

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122218\
 Data File : VN053151.D
 Acq On : 23 Dec 2018 00:19
 Operator : MD\SY
 Sample : VN1222MBSD02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 31 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 9:11:04 AM

Quant Time: Dec 24 01:24:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	960280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1490181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1336029	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	577772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	538652	55.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.54%	
35) Dibromofluoromethane	7.59	113	433732	63.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.44%	
50) Toluene-d8	10.09	98	1948824	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
62) 4-Bromofluorobenzene	12.40	95	668221	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	183026	18.832	ug/l	96
3) Chloromethane	2.06	50	232124	19.710	ug/l	99
4) Vinyl Chloride	2.19	62	233659	19.590	ug/l	100
5) Bromomethane	2.57	94	152275	18.427	ug/l	100
6) Chloroethane	2.71	64	140635	19.909	ug/l	99
7) Trichlorofluoromethane	3.02	101	298572	20.094	ug/l	100
8) Diethyl Ether	3.41	74	117905	21.034	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	188326	19.879	ug/l	98
10) Methyl Iodide	3.96	142	254797	19.152	ug/l	98
11) Tert butyl alcohol	4.78	59	63494	106.784	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	184218	20.127	ug/l	97
13) Acrolein	3.61	56	64081	118.855	ug/l	100
14) Allyl chloride	4.33	41	299045	21.093	ug/l	95
15) Acrylonitrile	4.99	53	357093	108.101	ug/l	99
16) Acetone	3.81	43	226981	118.795	ug/l	96
17) Carbon Disulfide	4.06	76	496801	16.644	ug/l	99
18) Methyl Acetate	4.33	43	192046	22.698	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	535874	21.878	ug/l	99
20) Methylene Chloride	4.56	84	217113	20.831	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	198633	20.199	ug/l	99
22) Diisopropyl ether	5.95	45	666836	22.036	ug/l	99
23) Vinyl Acetate	5.90	43	1910994	109.819	ug/l	100
24) 1,1-Dichloroethane	5.85	63	381366	21.208	ug/l	100
25) 2-Butanone	6.84	43	370722	115.612	ug/l	99
26) 2,2-Dichloropropane	6.83	77	228614	16.654	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	231619	20.805	ug/l	98
28) Bromochloromethane	7.20	49	164637	21.129	ug/l	98
29) Tetrahydrofuran	7.21	42	266758	111.385	ug/l	99
30) Chloroform	7.37	83	370313	20.963	ug/l	100
31) Cyclohexane	7.66	56	346856	19.934	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	302650	20.112	ug/l	99
36) 1,1-Dichloropropene	7.80	75	281976	19.714	ug/l	100
37) Ethyl Acetate	6.93	43	174269	21.825	ug/l	97
38) Carbon Tetrachloride	7.77	117	257660	19.653	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	314897	18.123	ug/l	99
40) Benzene	8.04	78	871138	20.476	ug/l	99
41) Methacrylonitrile	7.17	41	101740	22.053	ug/l	96
42) 1,2-Dichloroethane	8.12	62	260365	20.716	ug/l	99
43) Isopropyl Acetate	8.16	43	332335	20.900	ug/l	99
44) Trichloroethene	8.84	130	240666	19.558	ug/l	96
45) 1,2-Dichloropropane	9.12	63	233026	21.028	ug/l	100
46) Dibromomethane	9.21	93	131964	20.442	ug/l	99
47) Bromodichloromethane	9.40	83	275812	20.100	ug/l	100
48) Methyl methacrylate	9.20	41	162799	21.011	ug/l	98
49) 1,4-Dioxane	9.20	88	39172	399.671	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	880330	113.847	ug/l	100
52) Toluene	10.16	92	541376	20.530	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	273056	18.923	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	322607	19.478	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	193239	21.005	ug/l	99
56) Ethyl methacrylate	10.43	69	255599	20.991	ug/l	98
57) 1,3-Dichloropropane	10.71	76	330118	20.925	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	722459	108.072	ug/l	99
59) 2-Hexanone	10.75	43	579686	110.802	ug/l	98
60) Dibromochloromethane	10.90	129	206365	19.596	ug/l	100
61) 1,2-Dibromoethane	11.01	107	192693	20.624	ug/l	99
64) Tetrachloroethene	10.63	164	260047	17.969	ug/l	99
65) Chlorobenzene	11.44	112	593099	20.026	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	204818	19.887	ug/l	99
67) Ethyl Benzene	11.51	91	1029360	20.211	ug/l	100
68) m/p-Xylenes	11.62	106	774318	39.992	ug/l	99
69) o-Xylene	11.95	106	379000	20.399	ug/l	98
70) Styrene	11.96	104	620910	20.495	ug/l	99
71) Bromoform	12.13	173	138519	18.618	ug/l #	99
73) Isopropylbenzene	12.25	105	998631	22.091	ug/l	100
74) N-amyl acetate	12.07	43	282966	22.546	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	221953	25.027	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	189018m	19.434	ug/l	
77) Bromobenzene	12.53	156	257089	21.878	ug/l	99
78) n-propylbenzene	12.59	91	1090773	21.186	ug/l	99
79) 2-Chlorotoluene	12.68	91	667238	20.908	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	777630	21.105	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	55567	18.414	ug/l	99
82) 4-Chlorotoluene	12.77	91	661665	21.180	ug/l	100
83) tert-Butylbenzene	12.99	119	690911	21.202	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	788846	21.297	ug/l	99
85) sec-Butylbenzene	13.17	105	889358	20.177	ug/l	100
86) p-Isopropyltoluene	13.29	119	756522	19.863	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	418412	20.118	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	411501	19.538	ug/l	99
89) n-Butylbenzene	13.62	91	577358	17.620	ug/l	100
90) Hexachloroethane	13.88	117	113951	19.496	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	395870	20.225	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29785	19.424	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	179646	17.713	ug/l	100
94) Hexachlorobutadiene	15.01	225	111127	18.911	ug/l	99
95) Naphthalene	15.13	128	414212	18.962	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	166522	18.159	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

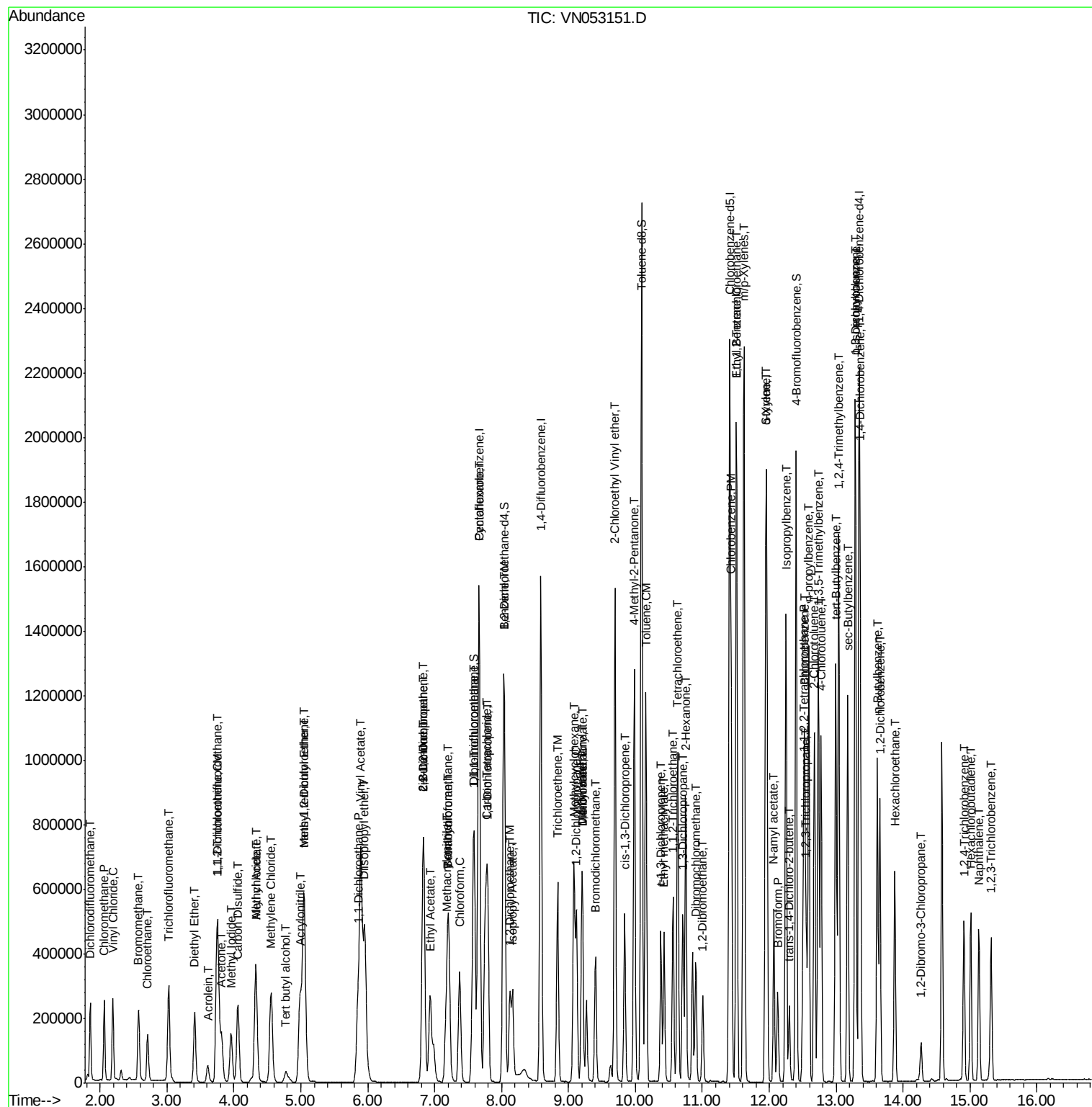
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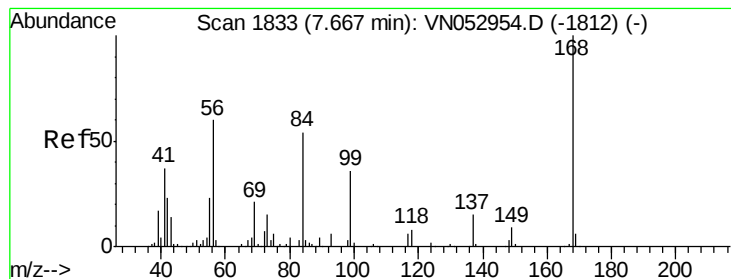
Instrument :
MSVOA_N
Client Sample ID :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion:168 Resp: 960280

Ion Ratio Lower Upper

168 100

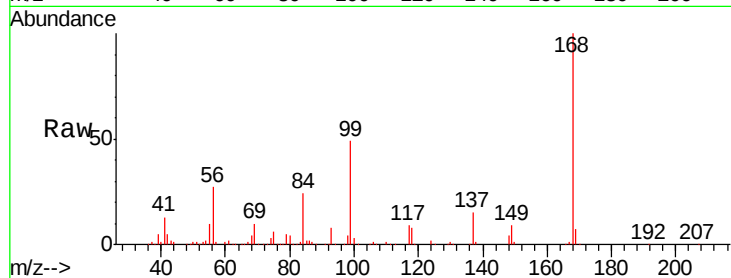
99 48.9 40.2 60.2

Manual Integrations

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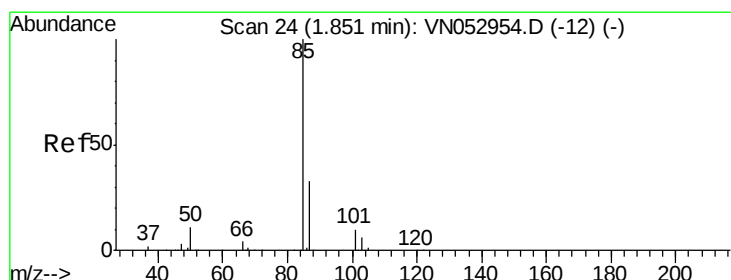
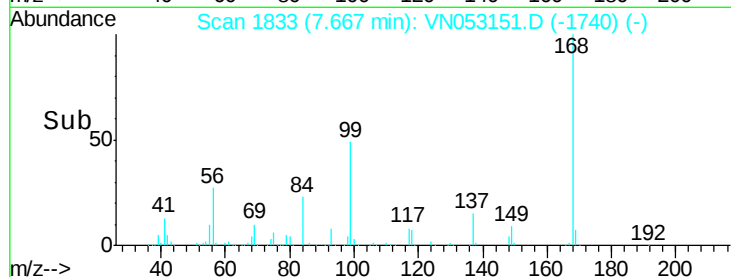
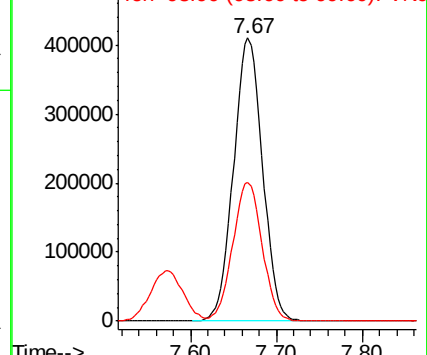
MMDadoda

12/24/2018 9:11:04 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.832 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053151.D

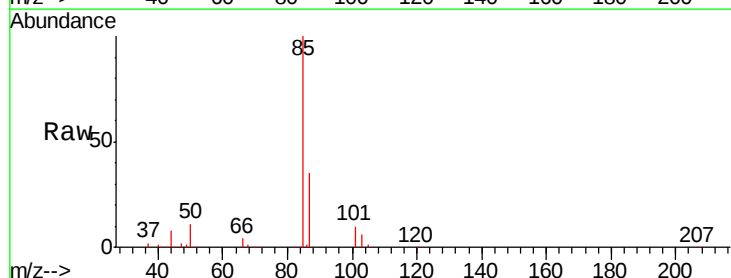
Acq: 23 Dec 2018 00:19

Tgt Ion: 85 Resp: 183026

Ion Ratio Lower Upper

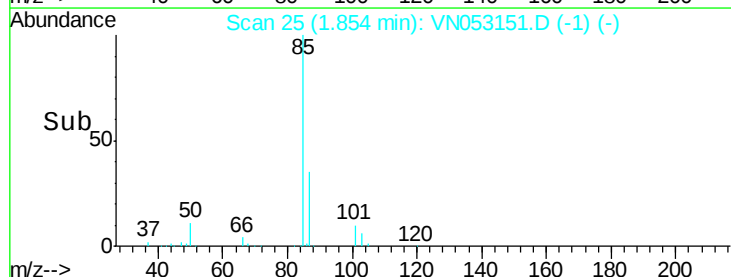
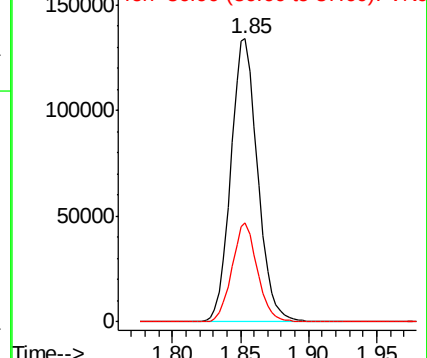
85 100

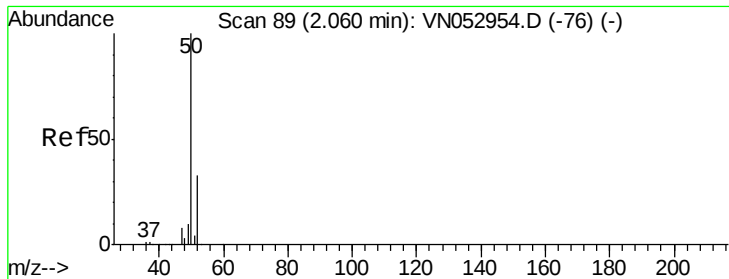
87 34.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 19.710 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion: 50 Resp: 232124

Ion Ratio Lower Upper

50 100

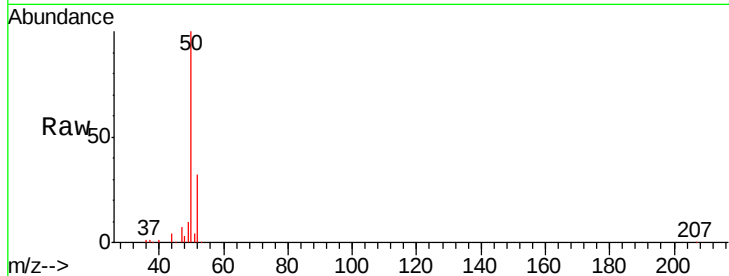
52 32.1 26.2 39.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

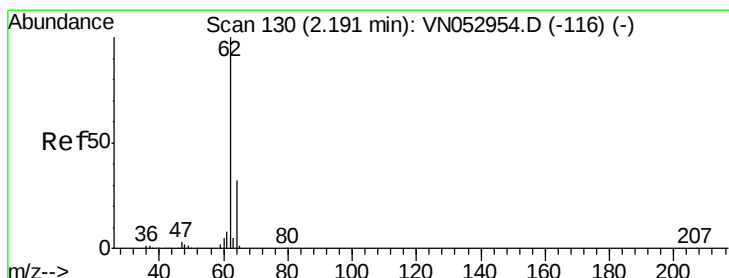
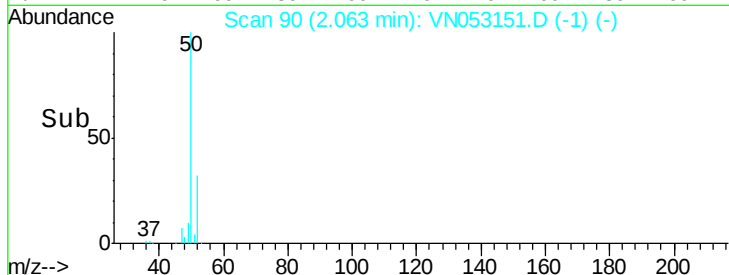
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100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 19.590 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053151.D

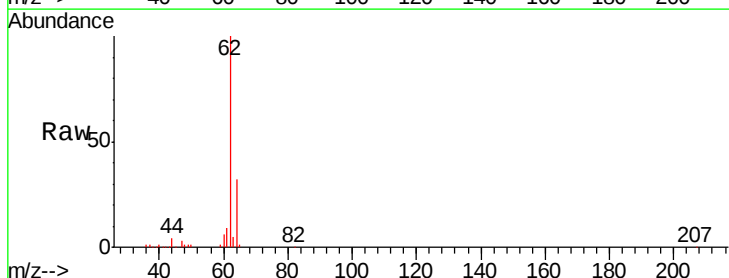
Acq: 23 Dec 2018 00:19

Tgt Ion: 62 Resp: 233659

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

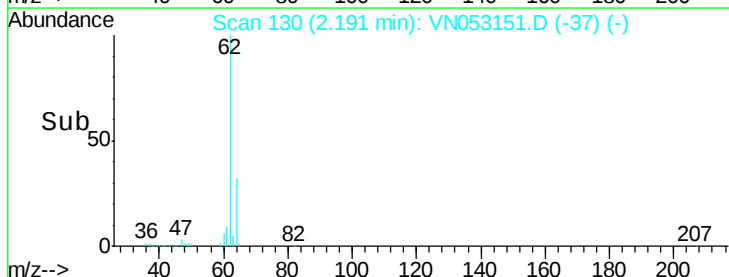
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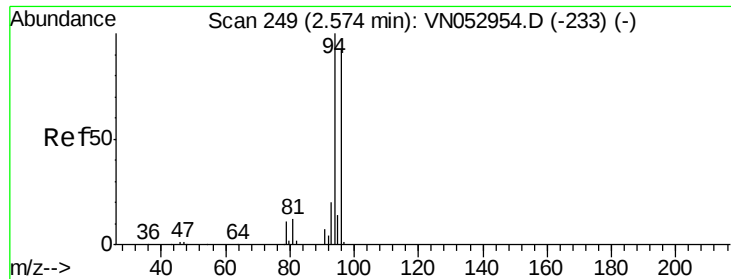
100000

50000

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Time-->





#5

Bromomethane

Concen: 18.427 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Instrument :

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ClientSampleId :

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Tgt Ion: 94 Resp: 152275

Ion Ratio Lower Upper

94 100

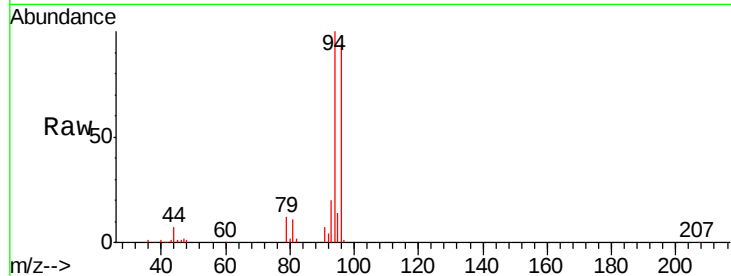
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Manual Integrations

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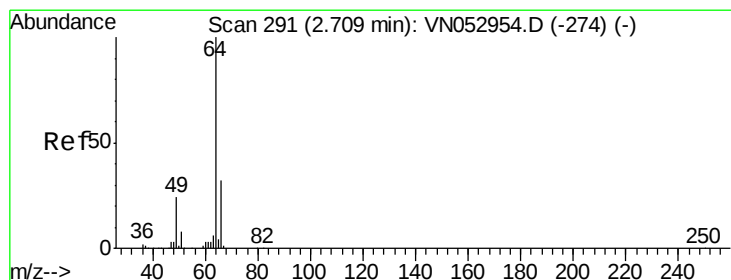
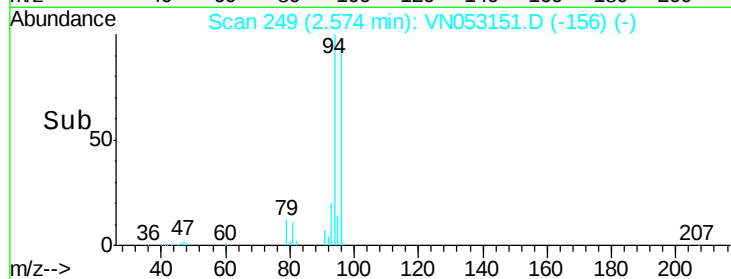
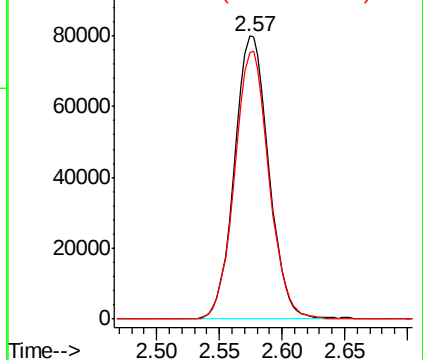
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.909 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053151.D

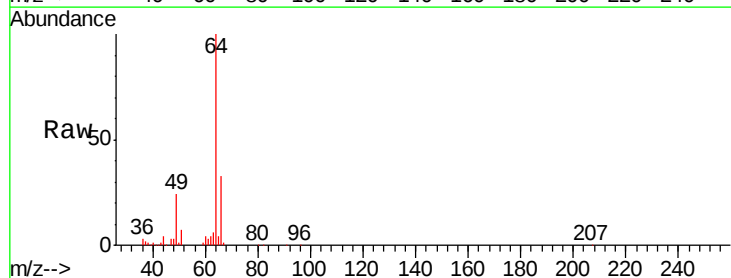
Acq: 23 Dec 2018 00:19

Tgt Ion: 64 Resp: 140635

Ion Ratio Lower Upper

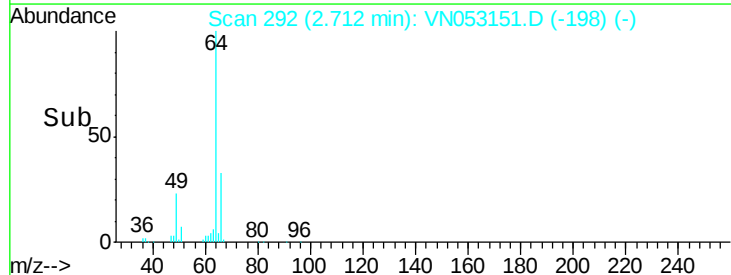
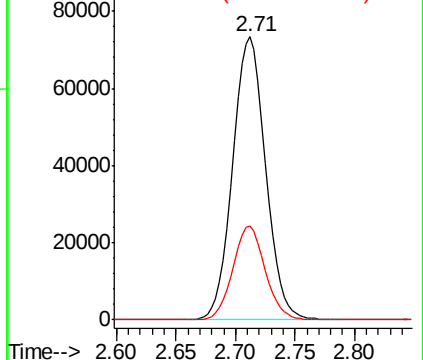
64 100

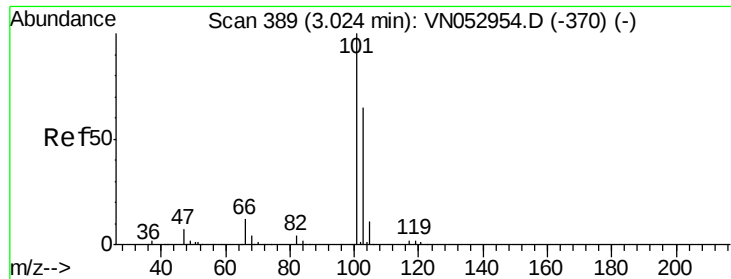
66 33.1 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

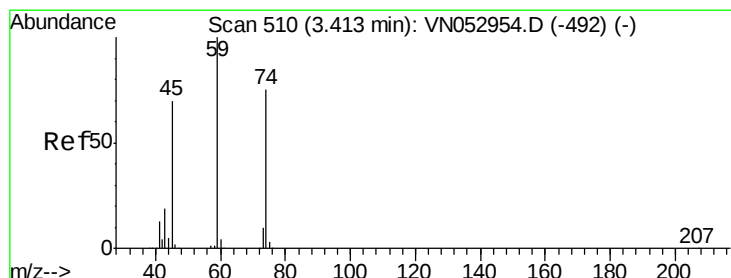
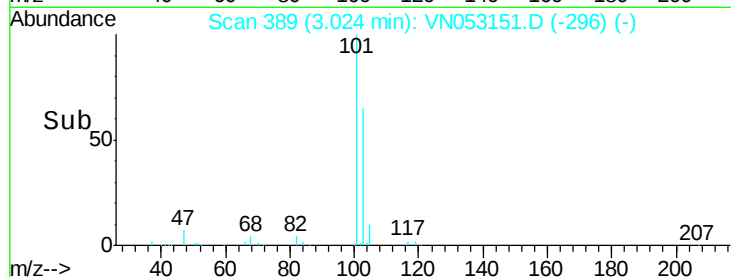
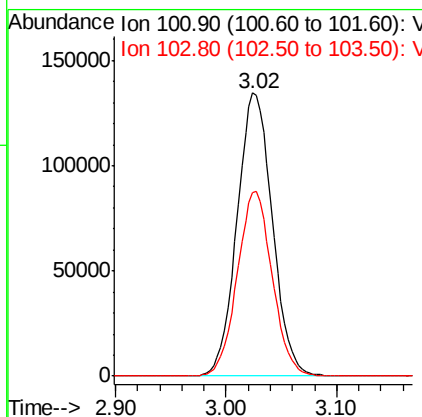
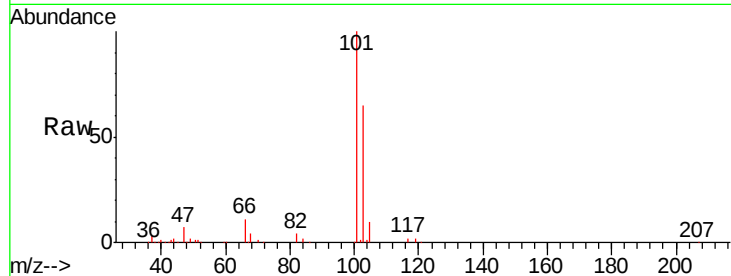
Trichlorofluoromethane
 Concen: 20.094 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053151.D
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.8	77.6

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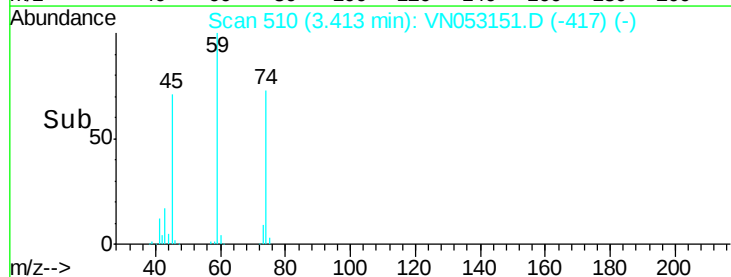
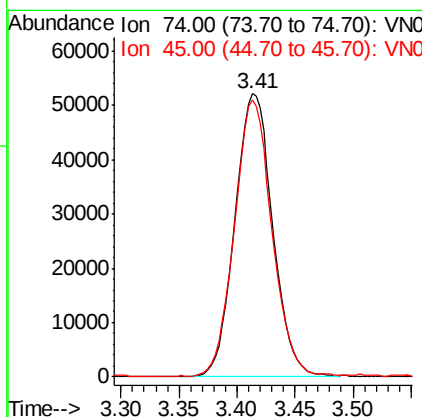
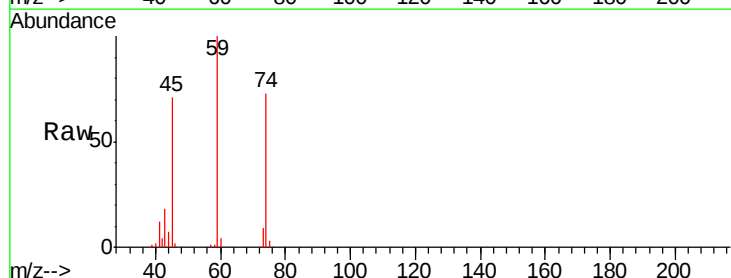
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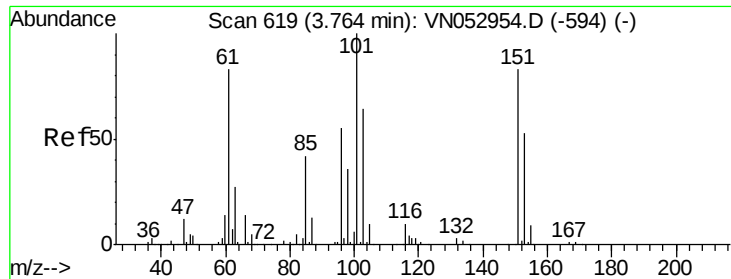


#8

Diethyl Ether
 Concen: 21.034 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.879 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Instrument :

MSVOA_N

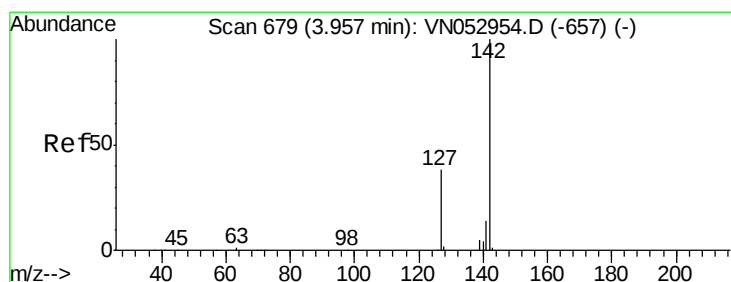
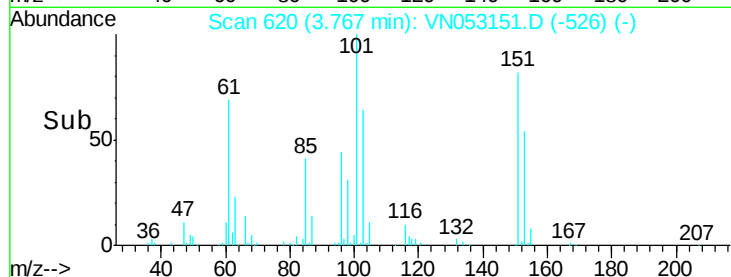
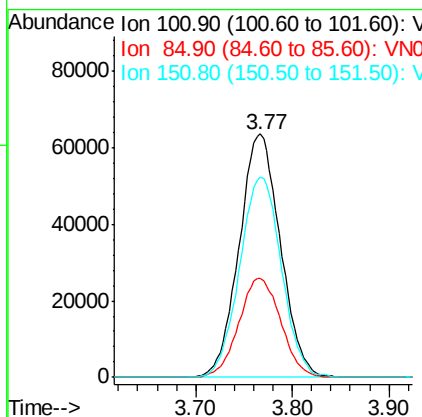
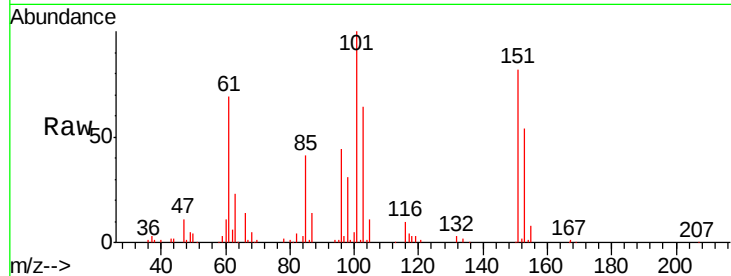
ClientSampleId :

VN1222MBS02

Tgt Ion:	101	Resp:	188326
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.6	50.4
151	83.5	65.5	98.3

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#10

Methyl Iodide

Concen: 19.152 ug/l

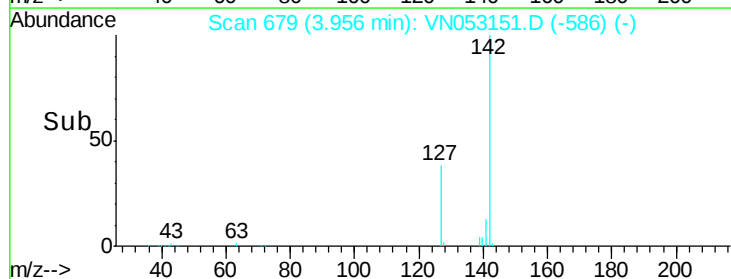
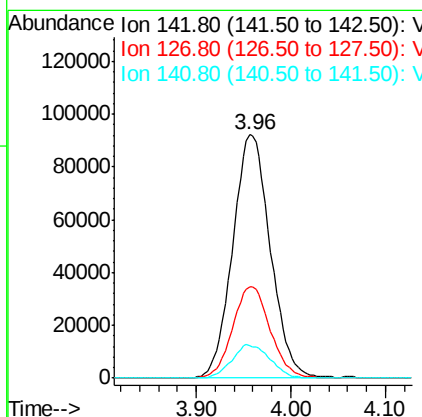
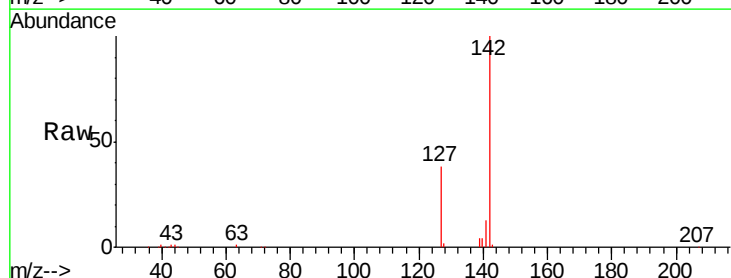
RT: 3.96 min Scan# 679

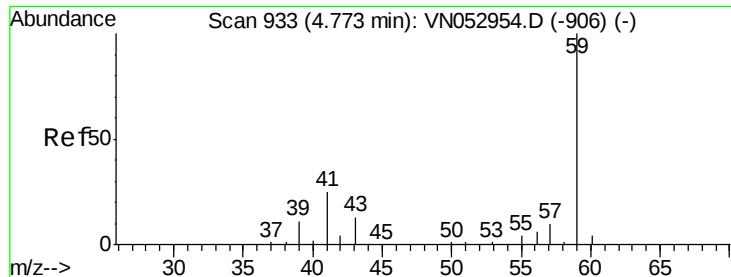
Delta R.T. -0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Tgt Ion:	142	Resp:	254797
Ion Ratio	Lower	Upper	
142	100		
127	37.6	31.0	46.6
141	13.9	11.2	16.8





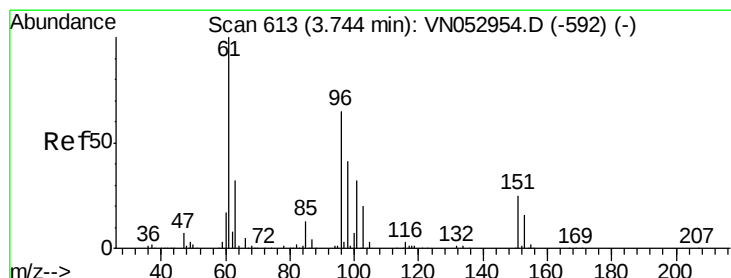
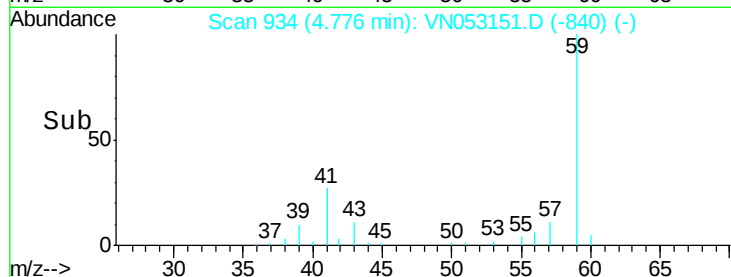
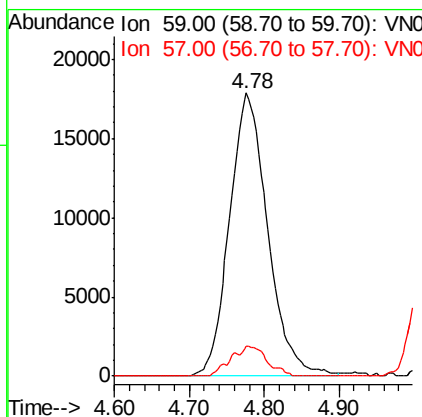
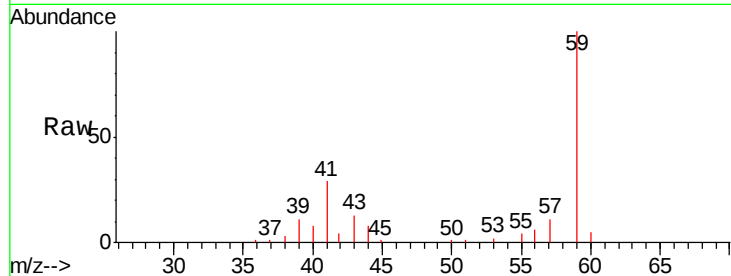
#11
Tert butyl alcohol
Concen: 106.784 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion: 59 Resp: 63494
Ion Ratio Lower Upper
59 100
57 6.9 7.7 11.5#

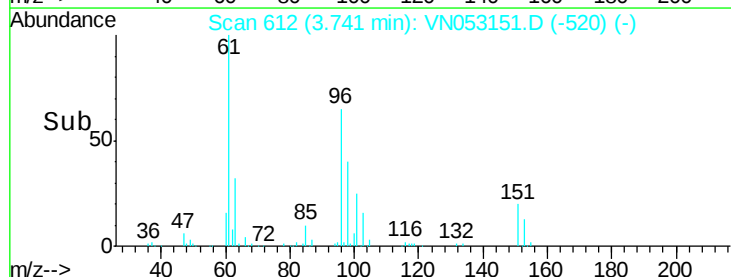
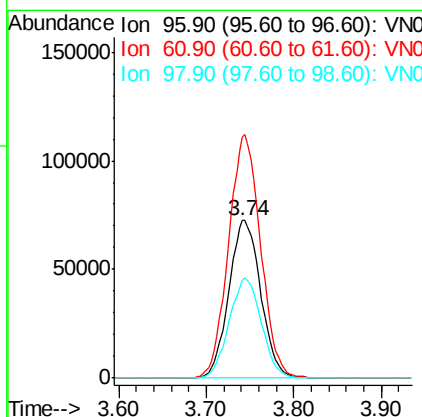
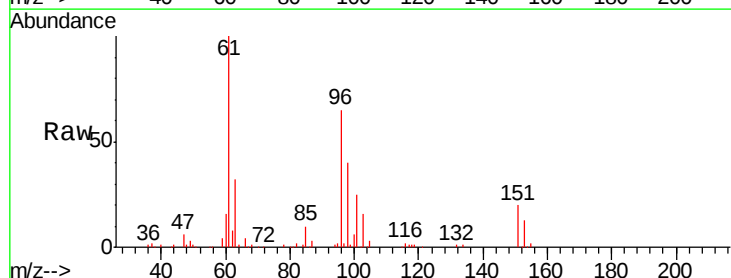
Manual Integrations
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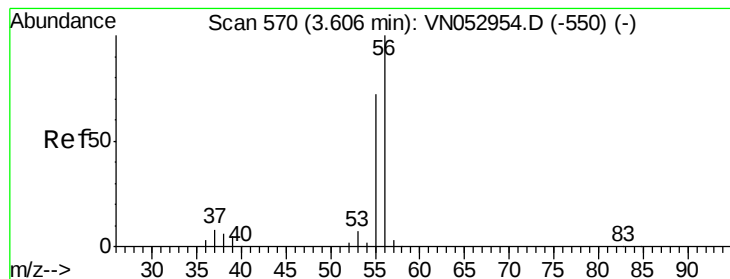
MMDadoda
12/24/2018 9:11:04 AM



#12
1,1-Dichloroethene
Concen: 20.127 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Tgt Ion: 96 Resp: 184218
Ion Ratio Lower Upper
96 100
61 152.8 125.6 188.4
98 61.7 50.6 75.8





#13

Acrolein

Concen: 118.855 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion: 56 Resp: 64081

Ion Ratio Lower Upper

56 100

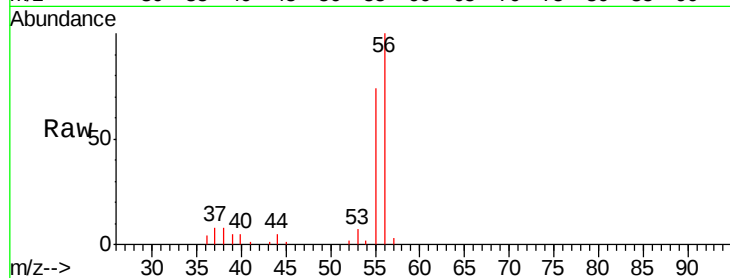
55 71.1 56.6 85.0

Manual Integrations

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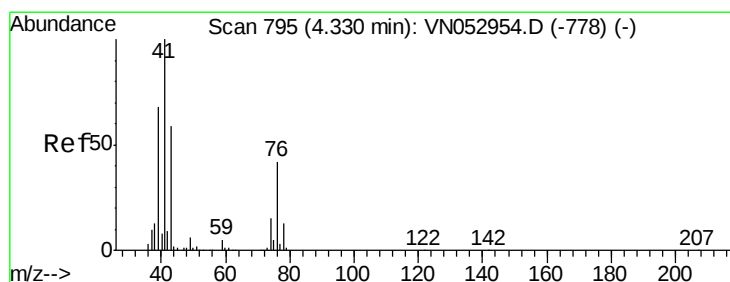
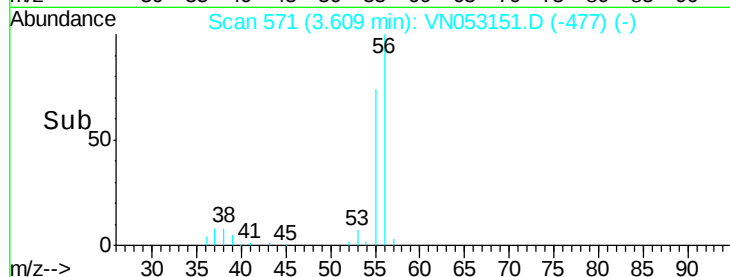
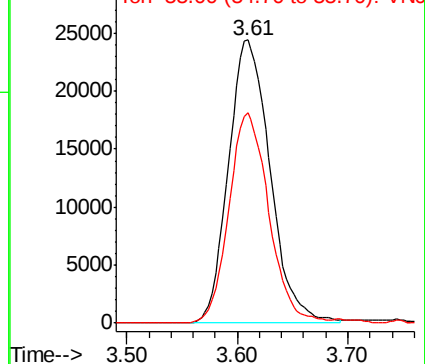
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.093 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

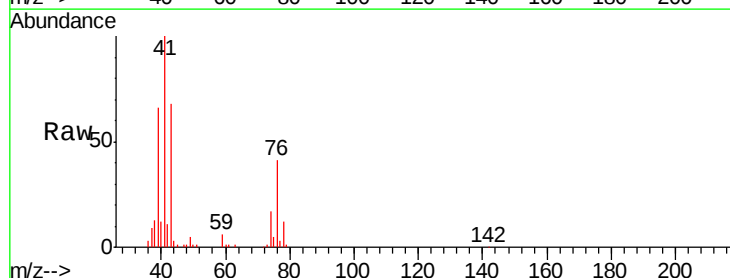
Tgt Ion: 41 Resp: 299045

Ion Ratio Lower Upper

41 100

39 62.1 54.1 81.1

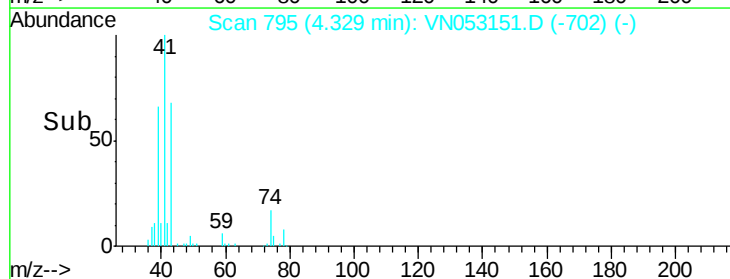
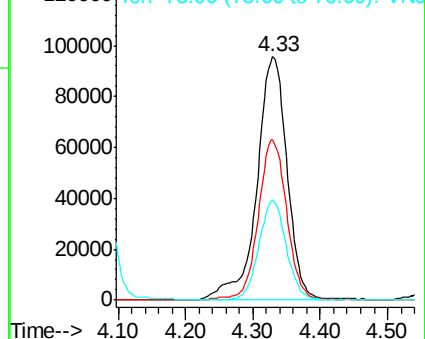
76 36.5 30.3 45.5

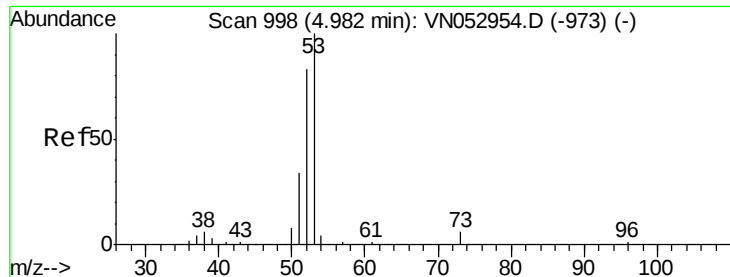


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 108.101 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Instrument :

MSVOA_N

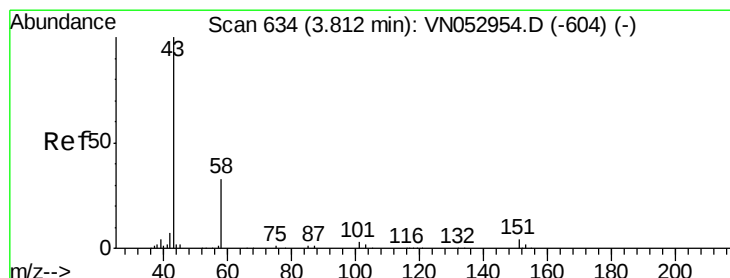
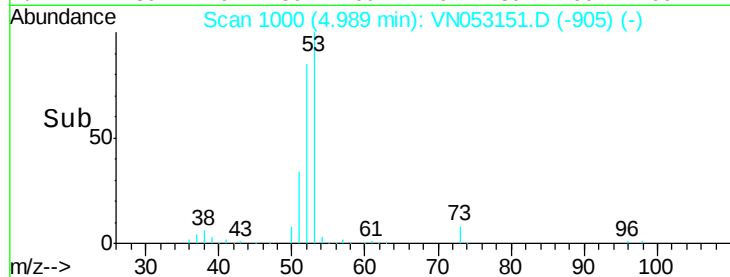
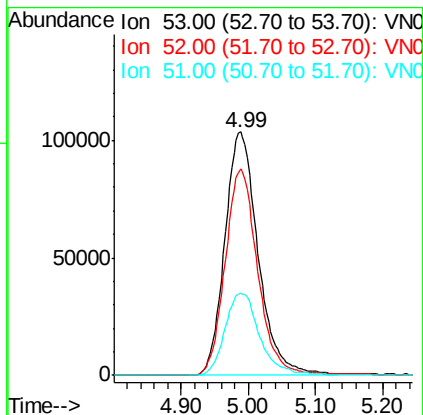
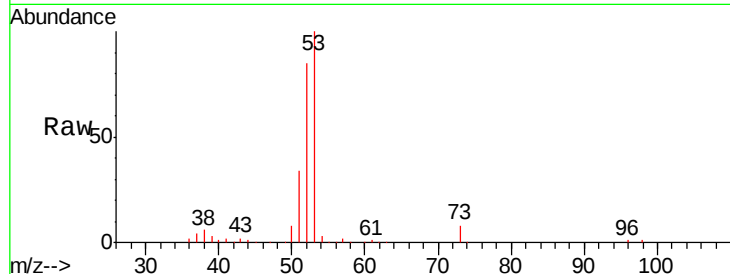
ClientSampleId :

VN1222MBS02

Tgt Ion:	53	Resp:	357093
Ion Ratio	Lower	Upper	
53	100		
52	82.9	65.1	97.7
51	35.0	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 118.795 ug/l

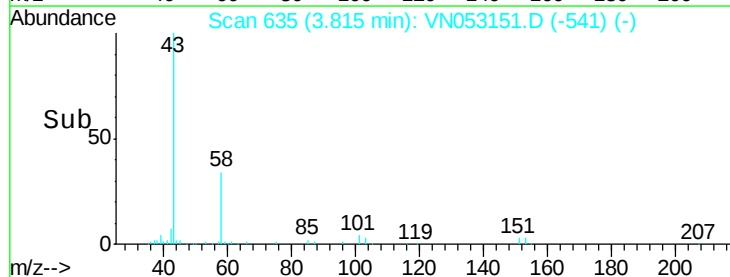
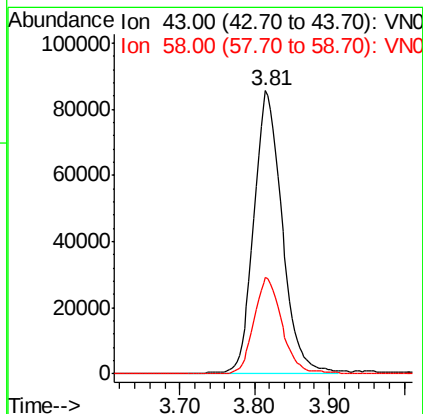
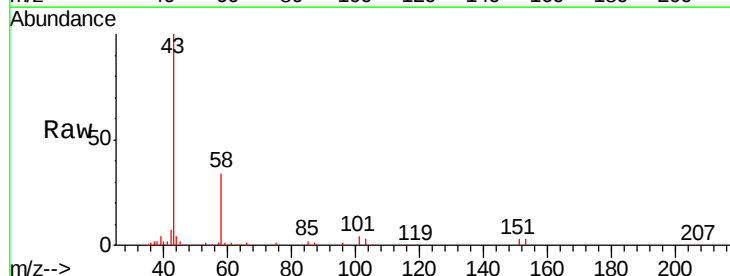
RT: 3.81 min Scan# 635

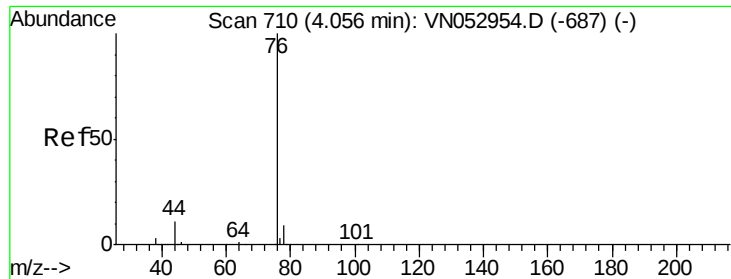
Delta R.T. 0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Tgt Ion:	43	Resp:	226981
Ion Ratio	Lower	Upper	
43	100		
58	34.0	25.4	38.0





#17

Carbon Disulfide

Concen: 16.644 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion: 76 Resp: 496801

Ion Ratio Lower Upper

76 100

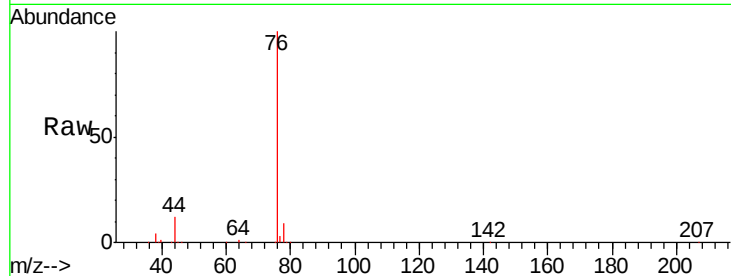
78 9.3 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

200000

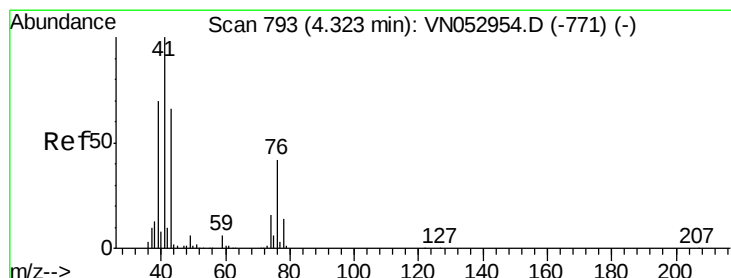
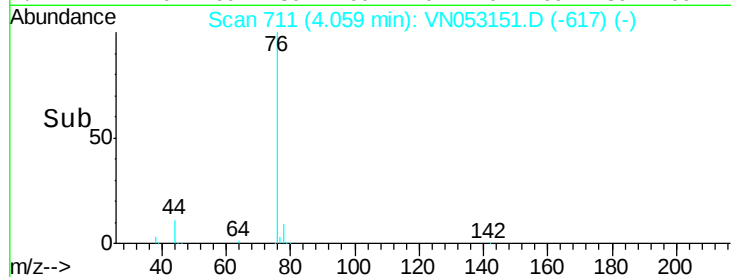
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.698 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053151.D

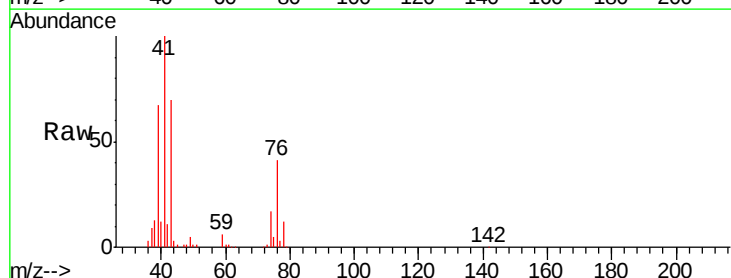
Acq: 23 Dec 2018 00:19

Tgt Ion: 43 Resp: 192046

Ion Ratio Lower Upper

43 100

74 24.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

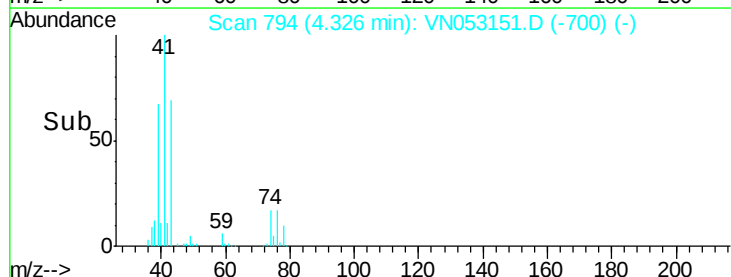
60000

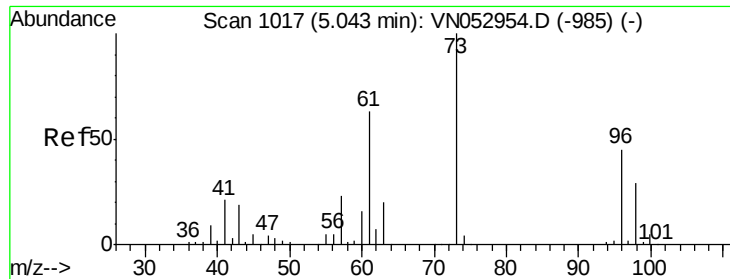
40000

20000

0

Time-->





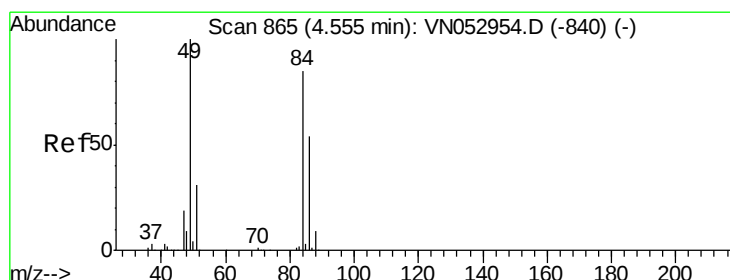
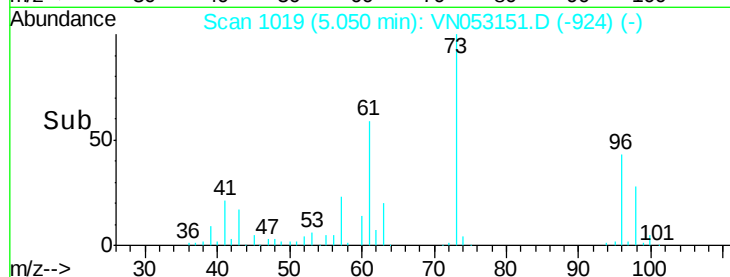
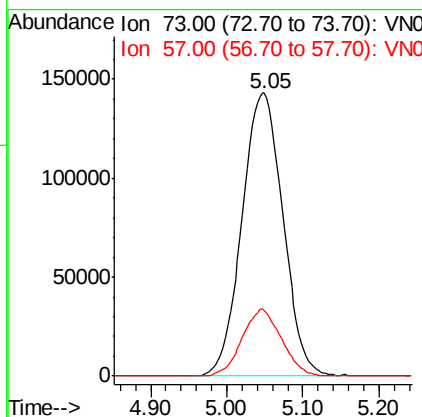
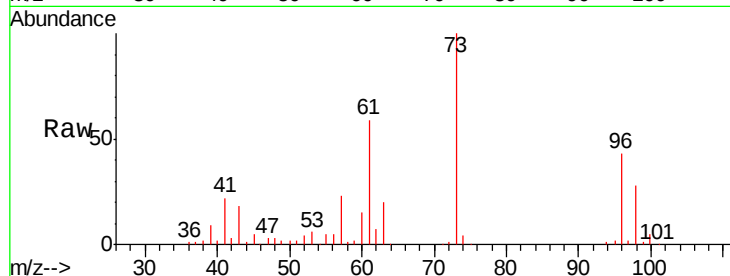
#19
Methyl tert-butyl Ether
Concen: 21.878 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion: 73 Resp: 535874
Ion Ratio Lower Upper
73 100
57 23.2 18.4 27.6

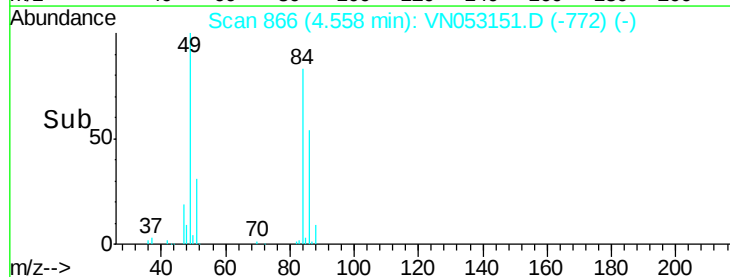
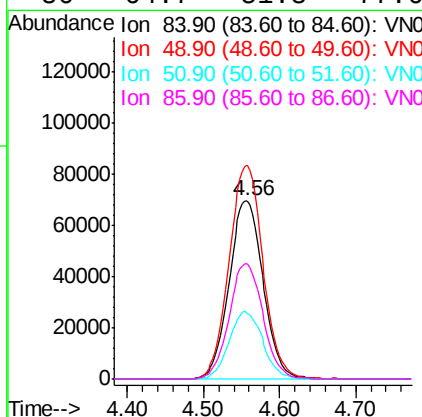
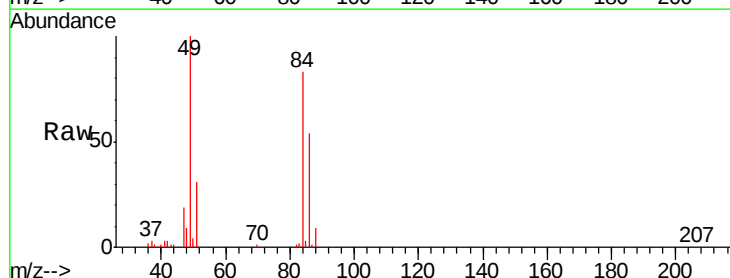
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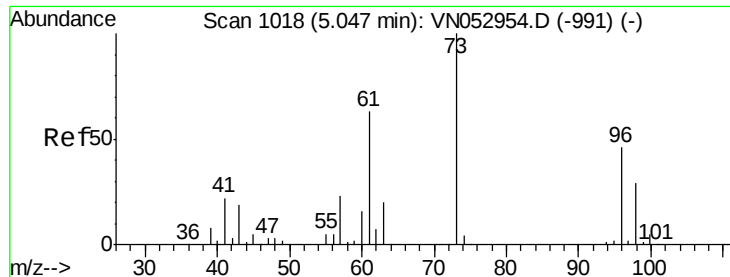
MMDadoda
12/24/2018 9:11:04 AM



#20
Methylene Chloride
Concen: 20.831 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Tgt Ion: 84 Resp: 217113
Ion Ratio Lower Upper
84 100
49 119.9 96.8 145.2
51 37.0 29.9 44.9
86 64.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.199 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Instrument :

MSVOA_N

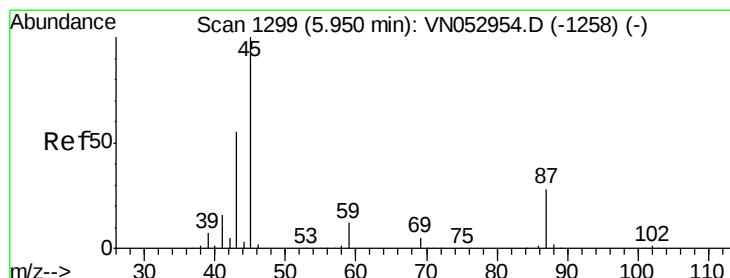
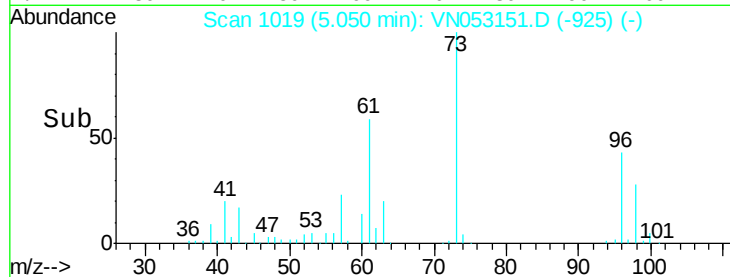
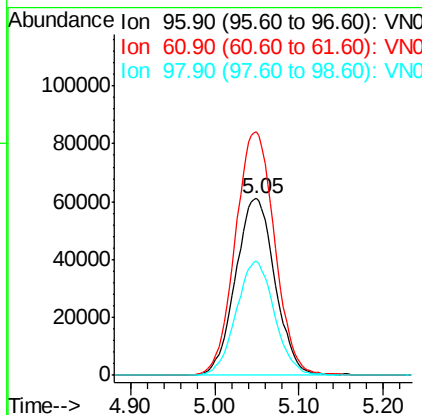
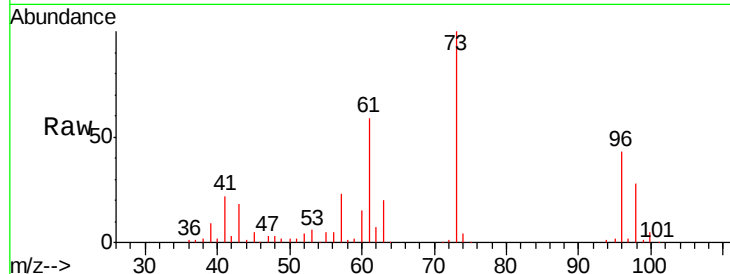
ClientSampleId :

VN1222MBS02

Tgt Ion:	96	Resp:	198633
Ion	Ratio	Lower	Upper
96	100		
61	137.5	110.8	166.2
98	64.5	51.4	77.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.036 ug/l

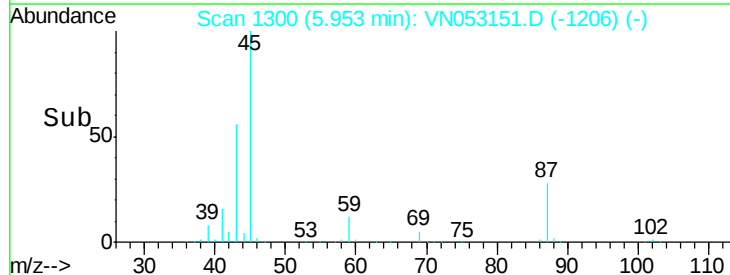
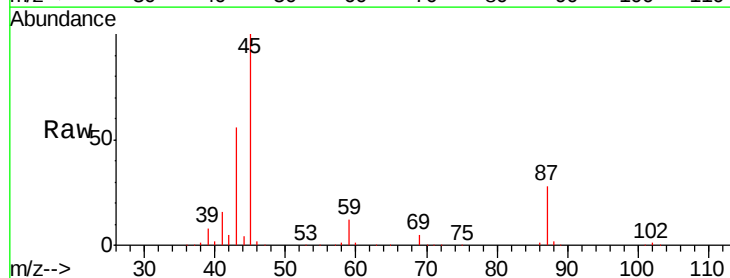
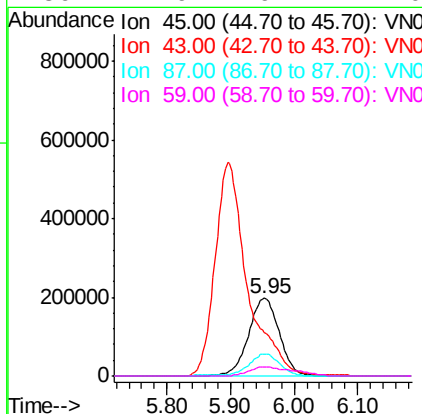
RT: 5.95 min Scan# 1300

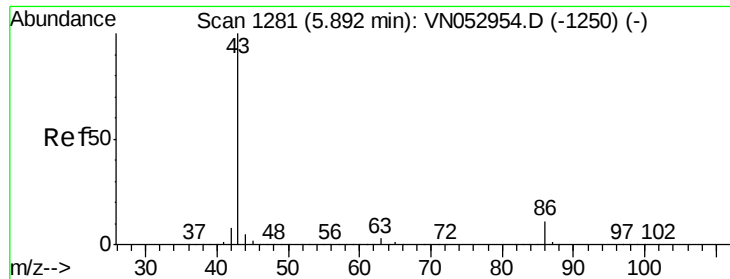
Delta R.T. 0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Tgt Ion:	45	Resp:	666836
Ion	Ratio	Lower	Upper
45	100		
43	55.6	45.5	68.3
87	28.2	22.0	33.0
59	11.9	9.4	14.0





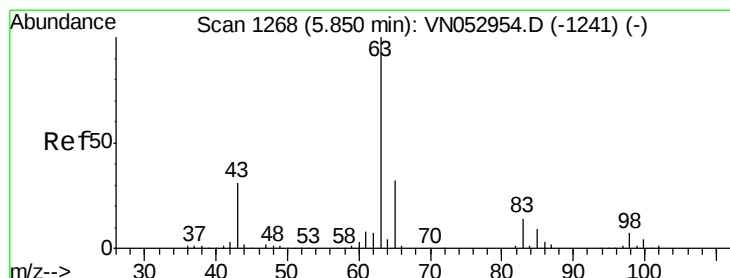
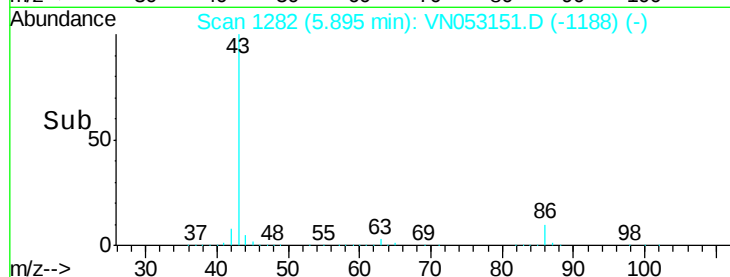
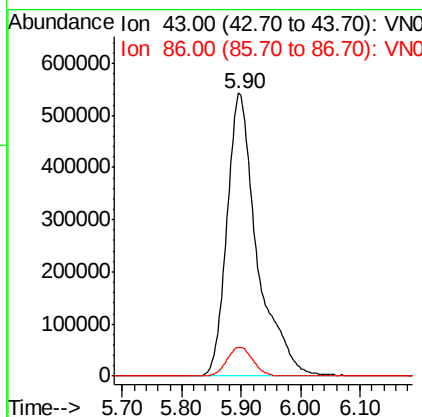
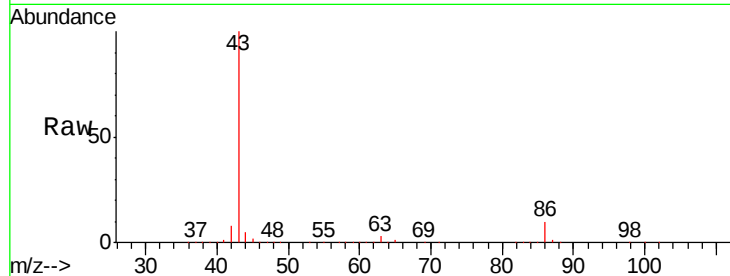
#23
 Vinyl Acetate
 Concen: 109.819 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

Tgt Ion: 43 Resp: 1910994
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.1 12.1

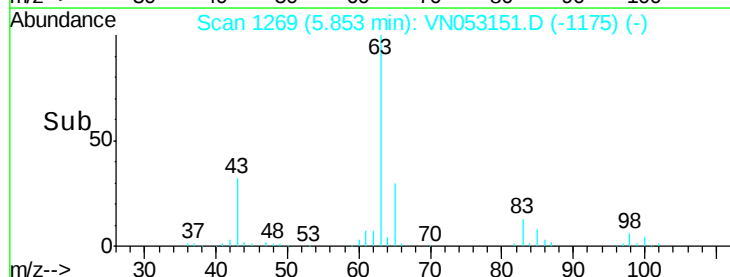
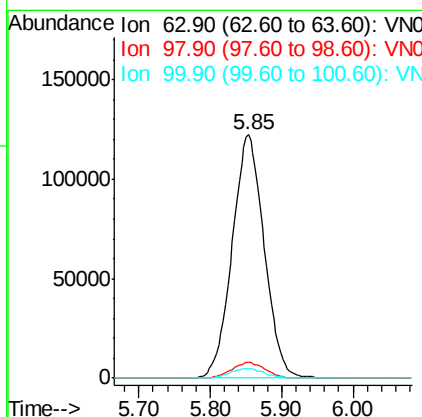
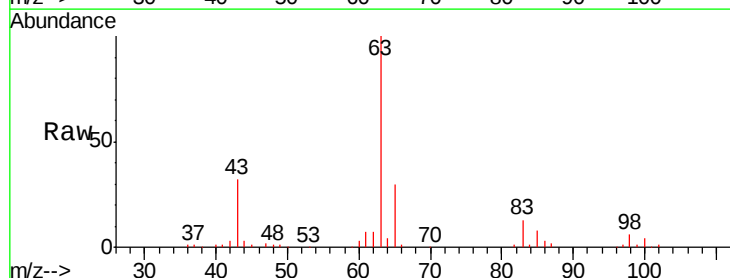
Manual Integrations
 APPROVED

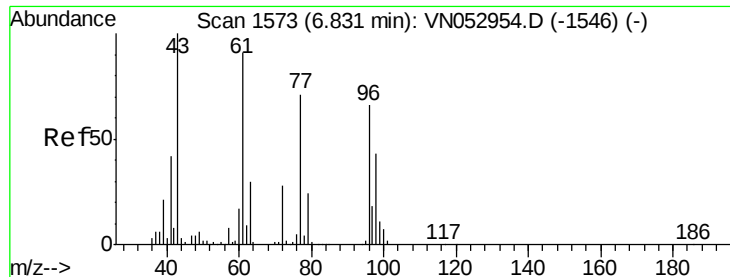
MMDadoda
 12/24/2018 9:11:04 AM



#24
 1,1-Dichloroethane
 Concen: 21.208 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Tgt Ion: 63 Resp: 381366
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.1 9.4
 100 3.9 2.0 5.8





#25

2-Butanone

Concen: 115.612 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion: 43 Resp: 370722

Ion Ratio Lower Upper

43 100

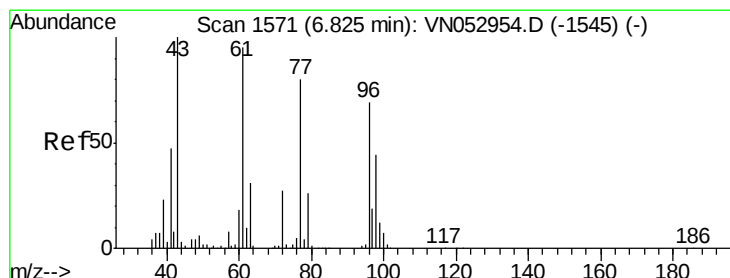
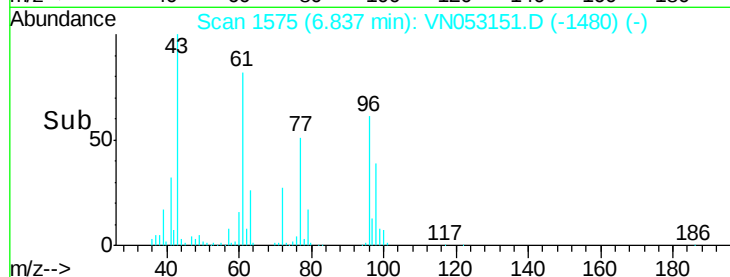
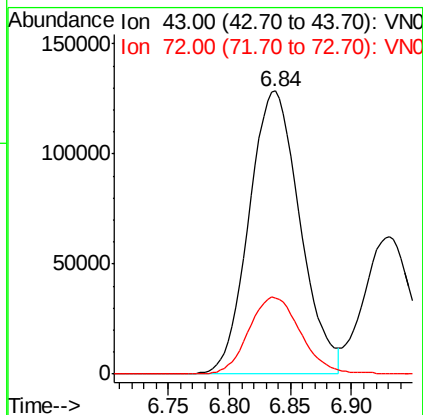
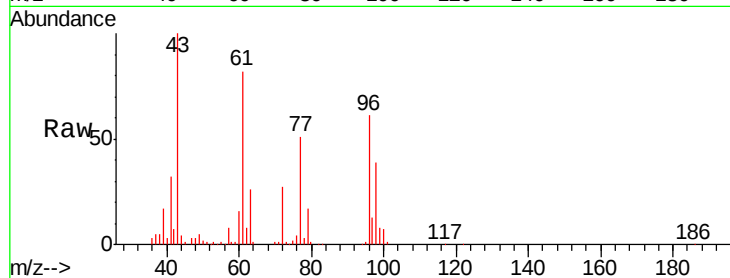
72 26.9 21.0 31.6

Manual Integrations

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12/24/2018 9:11:04 AM



#26

2,2-Dichloropropane

Concen: 16.654 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053151.D

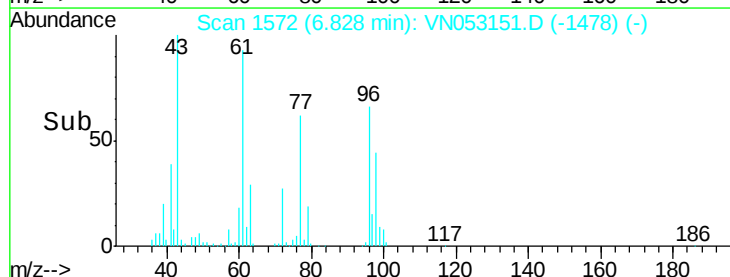
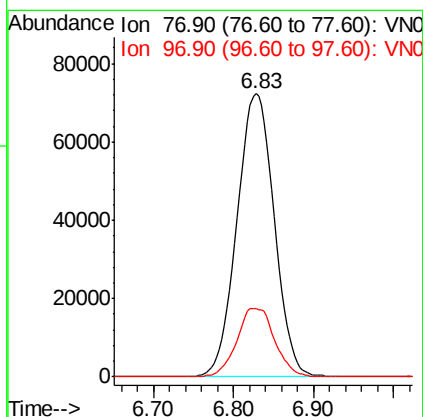
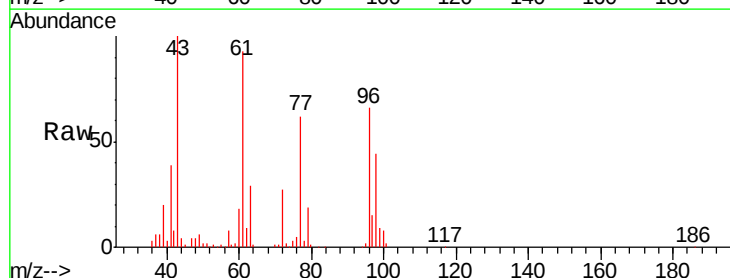
Acq: 23 Dec 2018 00:19

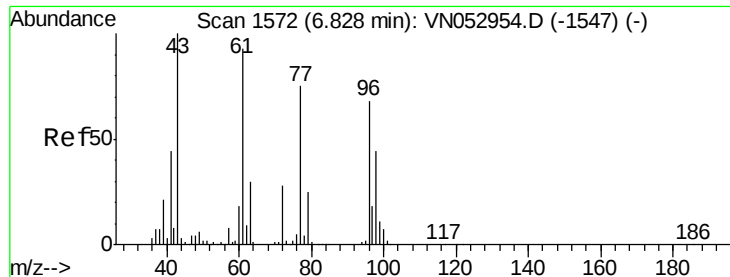
Tgt Ion: 77 Resp: 228614

Ion Ratio Lower Upper

77 100

97 24.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.805 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Instrument :

MSVOA_N

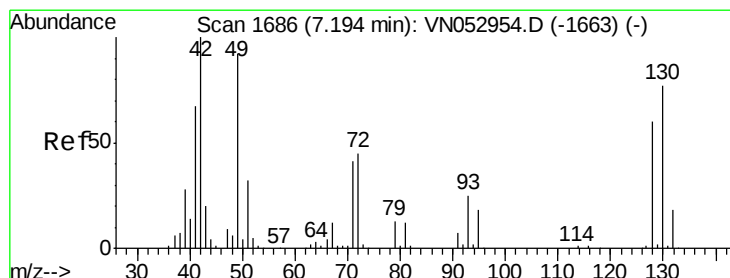
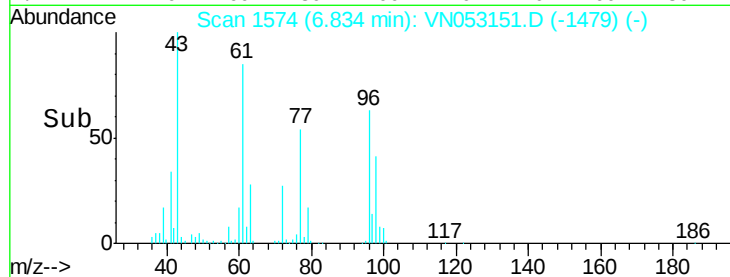
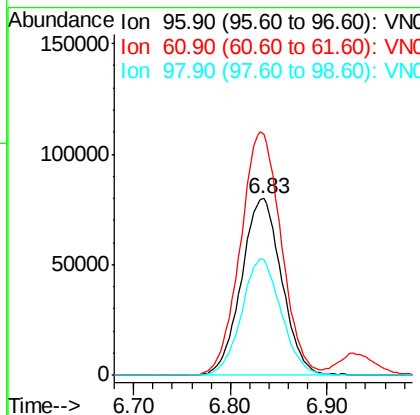
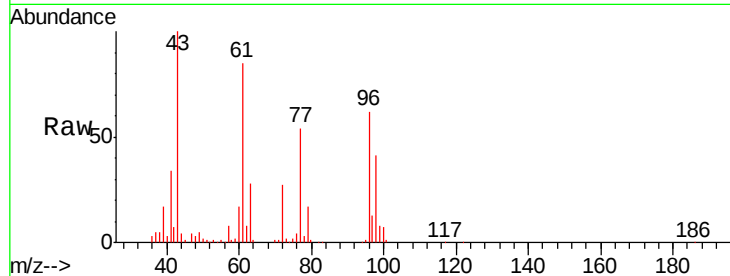
ClientSampleId :

VN1222MBS02

Tgt Ion:	96	Resp:	231619
Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	284.2
98	64.8	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 21.129 ug/l

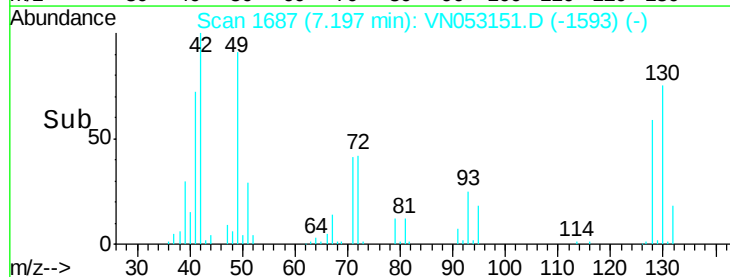
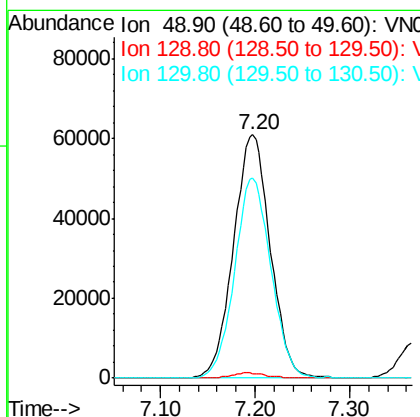
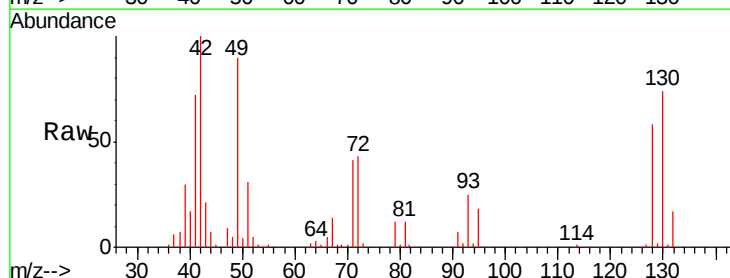
RT: 7.20 min Scan# 1687

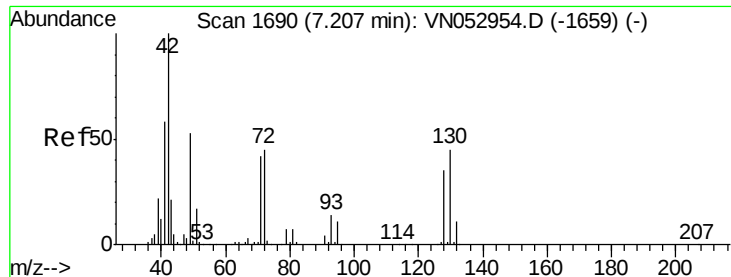
Delta R.T. 0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Tgt Ion:	49	Resp:	164637
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	81.1	63.3	94.9





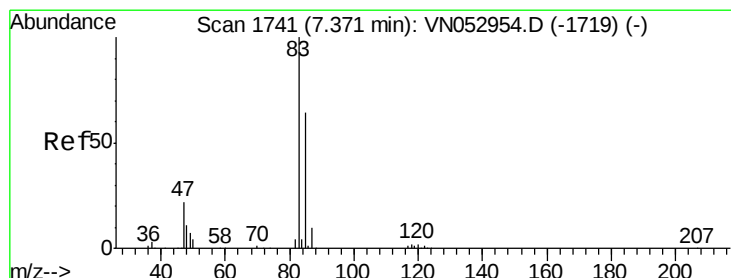
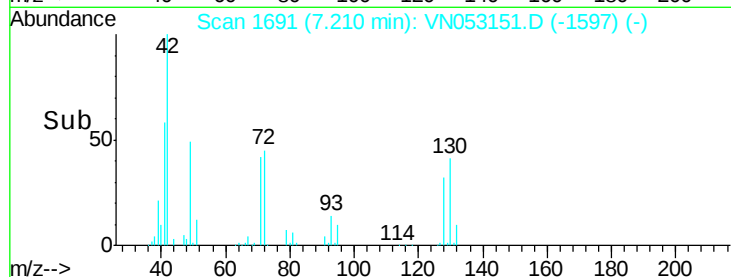
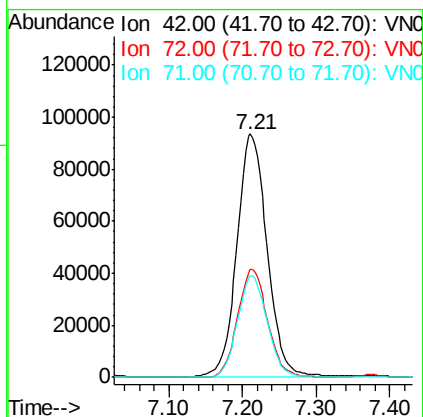
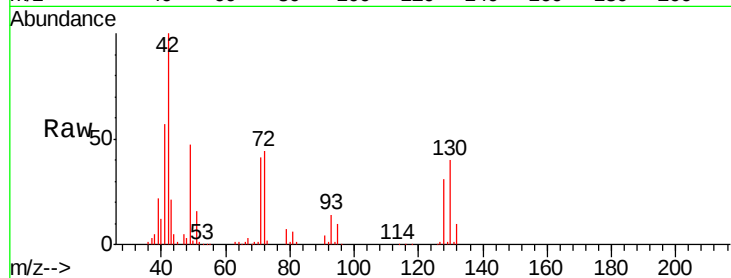
#29
Tetrahydrofuran
Concen: 111.385 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.7	52.1
71	41.0	32.3	48.5

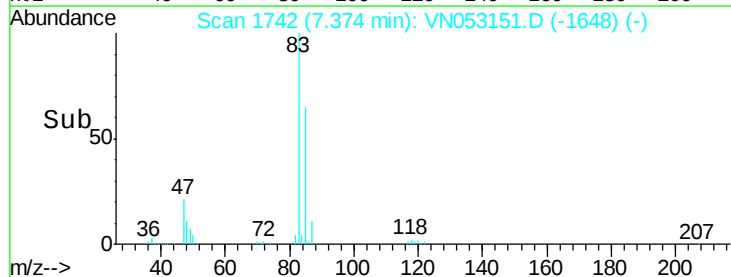
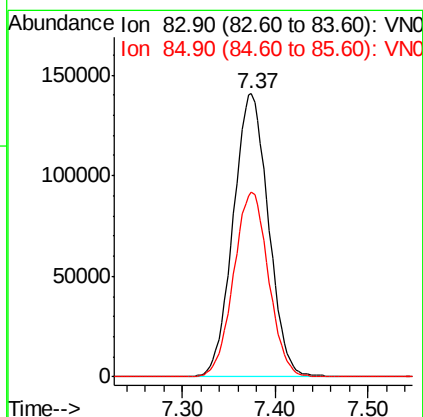
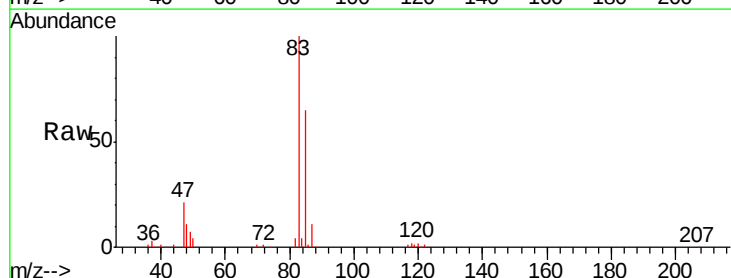
Manual Integrations
APPROVED

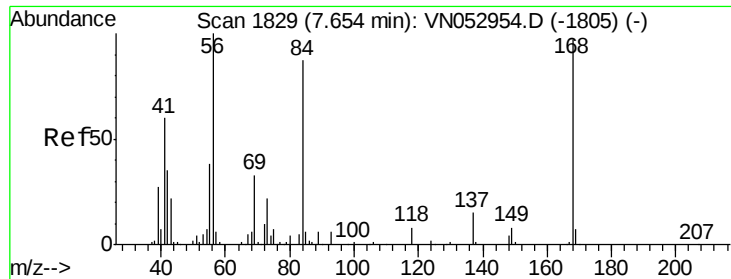
MMDadoda
12/24/2018 9:11:04 AM



#30
Chloroform
Concen: 20.963 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1





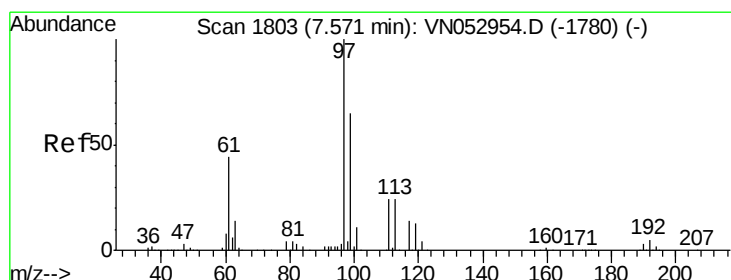
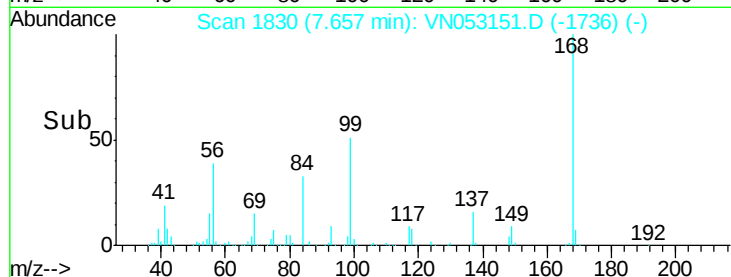
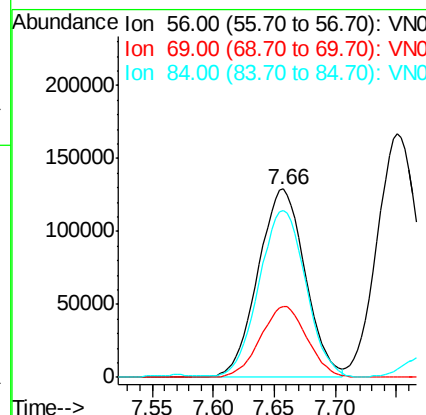
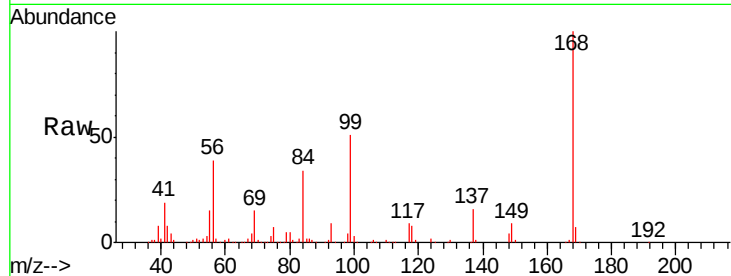
#31
Cyclohexane
Concen: 19.934 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	37.8	26.6	39.8
84	87.5	68.4	102.6

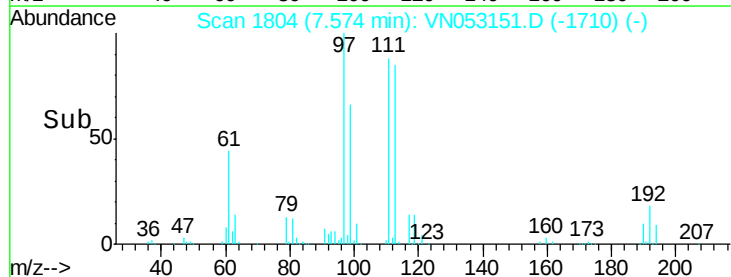
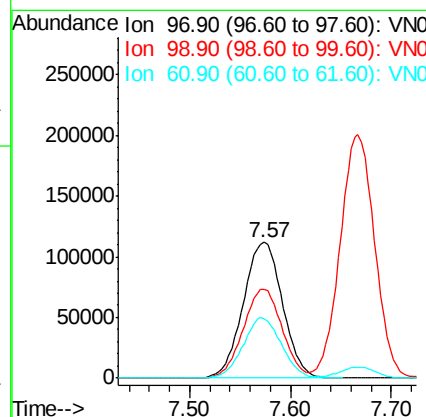
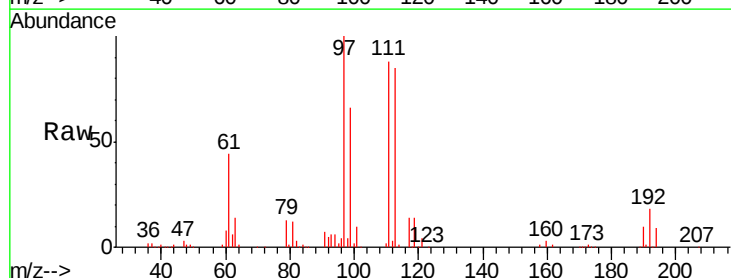
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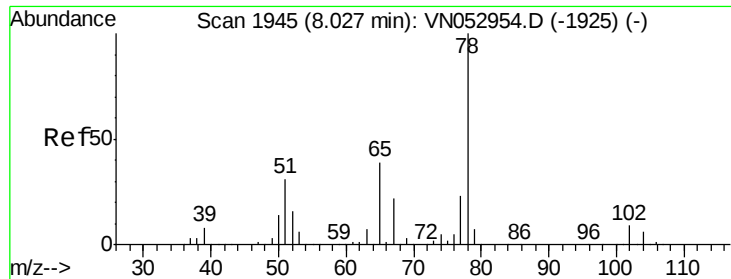
MMDadoda
12/24/2018 9:11:04 AM



#32
1,1,1-Trichloroethane
Concen: 20.112 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.1	76.7
61	43.4	35.0	52.6





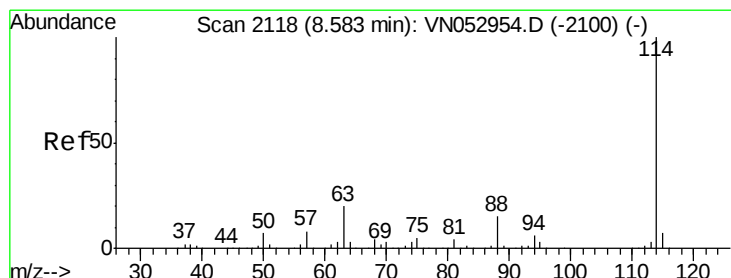
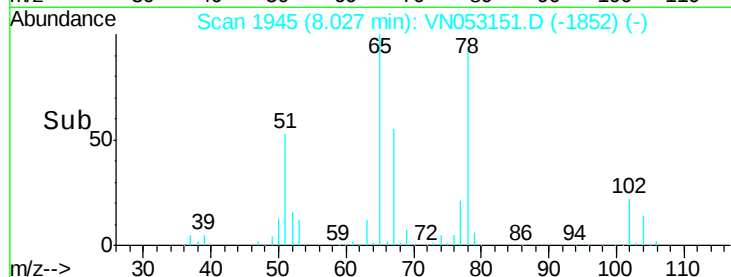
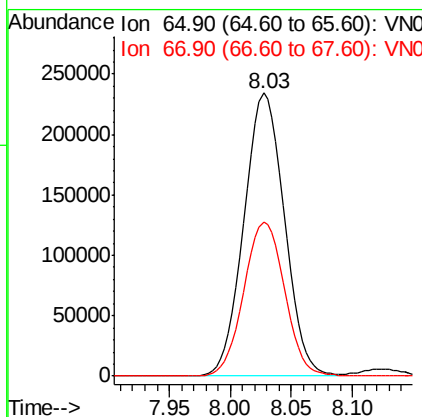
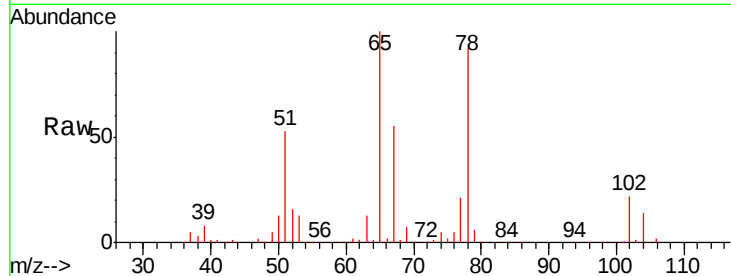
#33
 1,2-Dichloroethane-d4
 Concen: 20.112 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1222MBSD02

Tgt Ion: 65 Resp: 538652
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.4

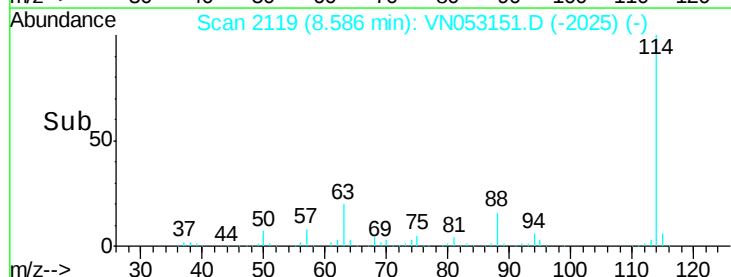
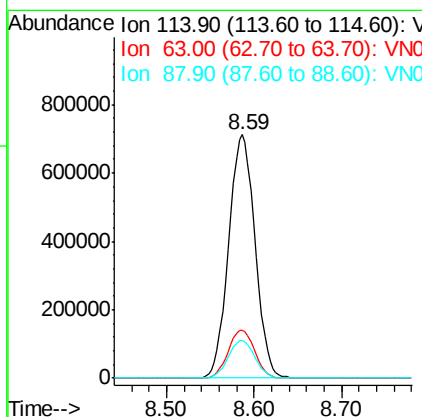
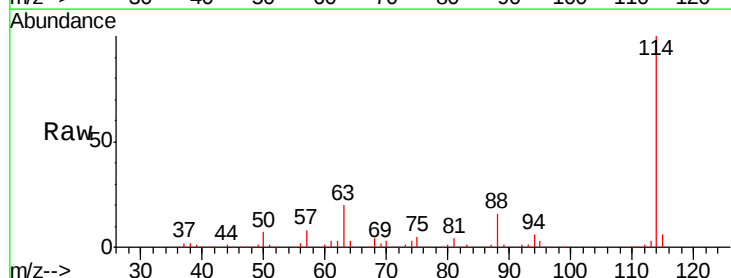
Manual Integrations
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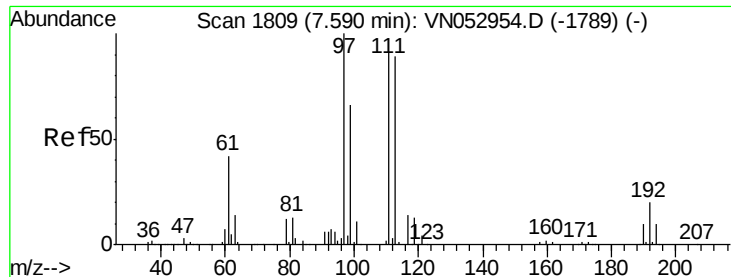
MMDadoda
 12/24/2018 9:11:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Tgt Ion: 114 Resp: 1490181
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.5 0.0 31.0





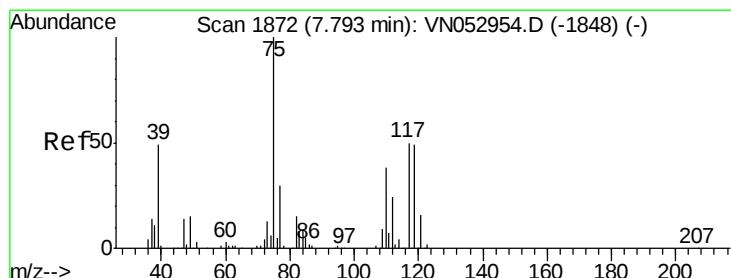
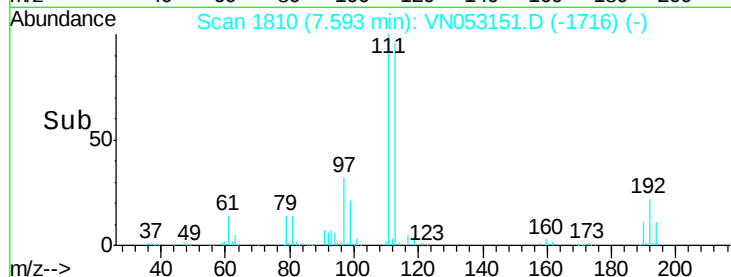
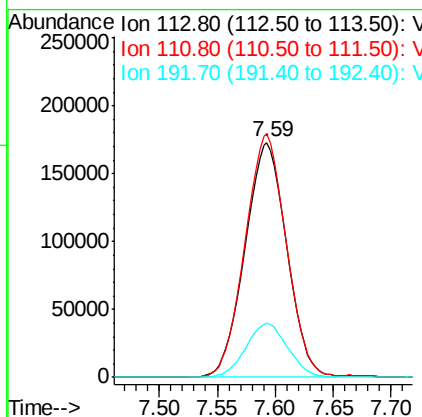
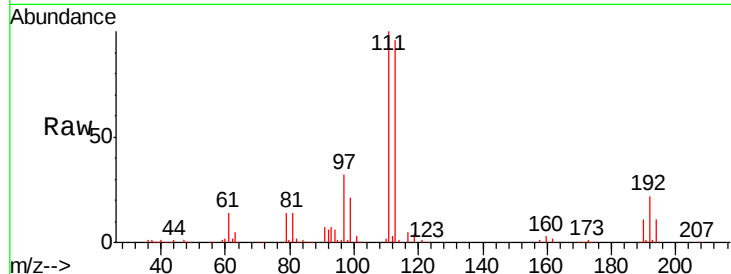
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	433732		
111	102.4	83.0	124.4	
192	23.2	17.5	26.3	

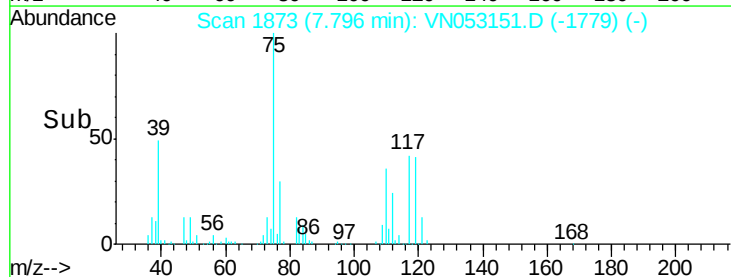
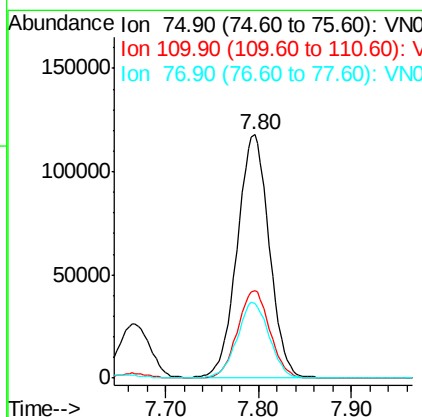
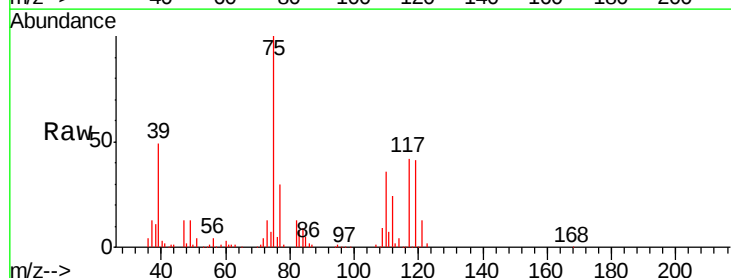
Manual Integrations
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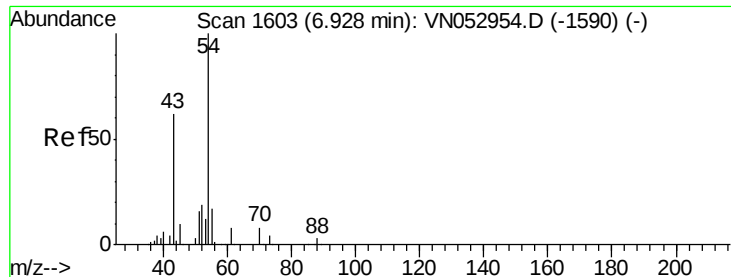
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#36
1,1-Dichloropropene
Concen: 19.714 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	281976		
110	36.3	18.2	54.6	
77	31.2	24.9	37.3	





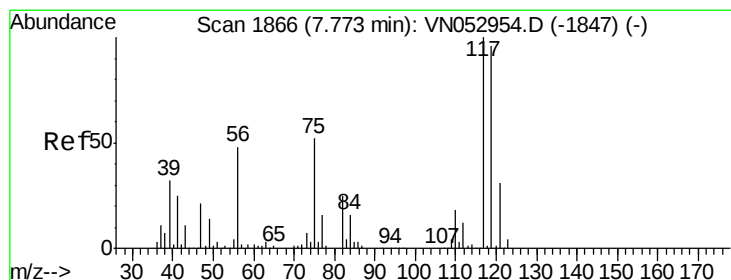
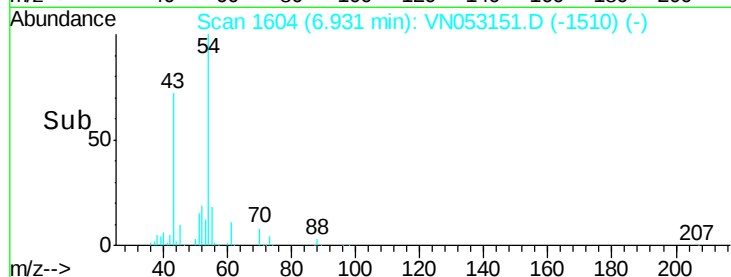
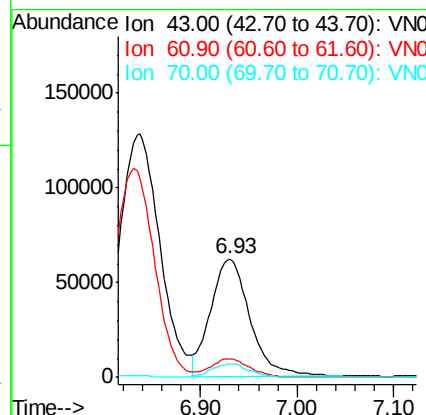
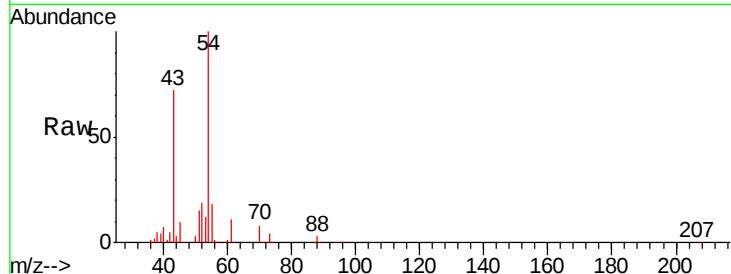
#37
Ethyl Acetate
Concen: 21.825 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.2	11.8	17.6
70	11.2	8.4	12.6

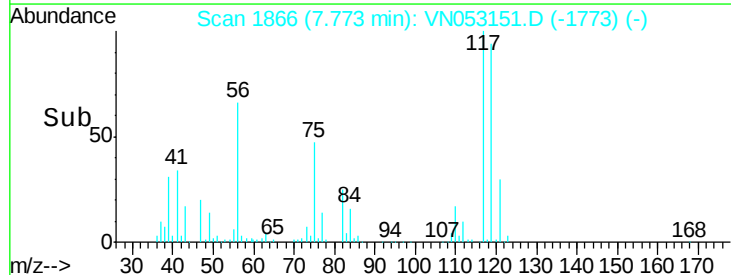
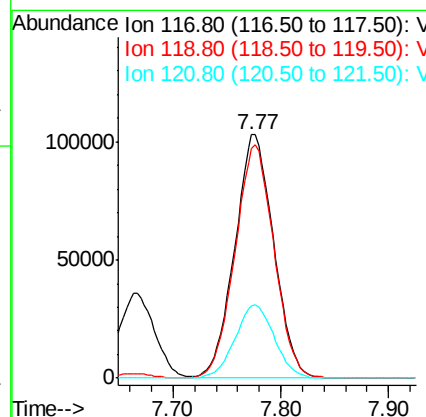
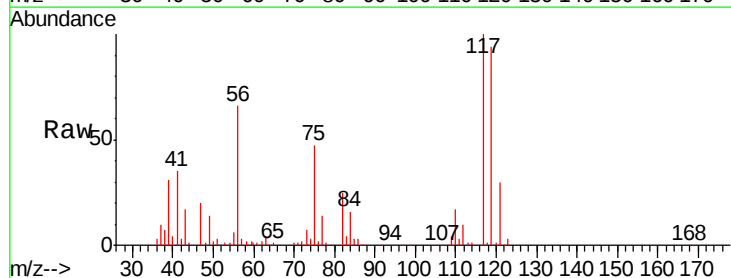
Manual Integrations
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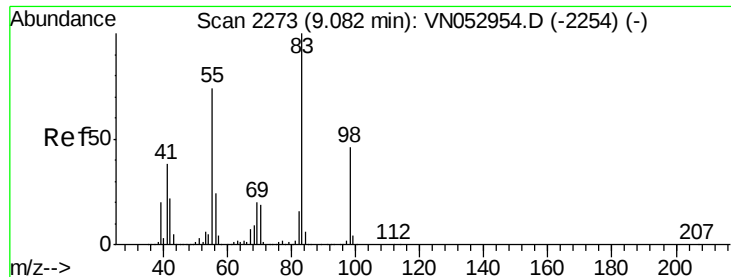
MMDadoda
12/24/2018 9:11:04 AM



#38
Carbon Tetrachloride
Concen: 19.653 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.1	115.7
121	29.9	24.9	37.3





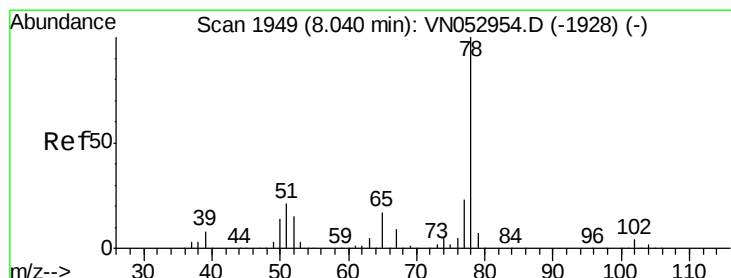
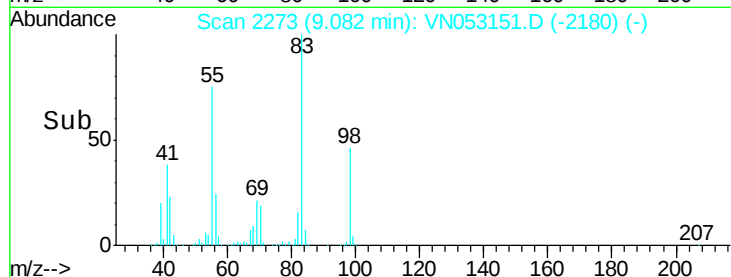
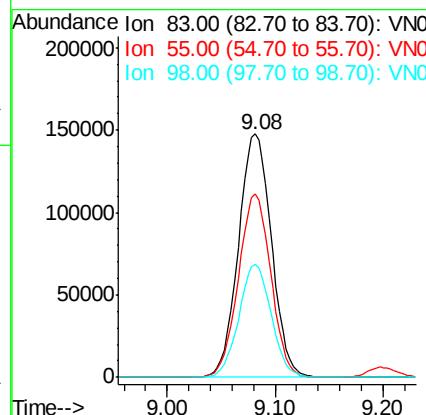
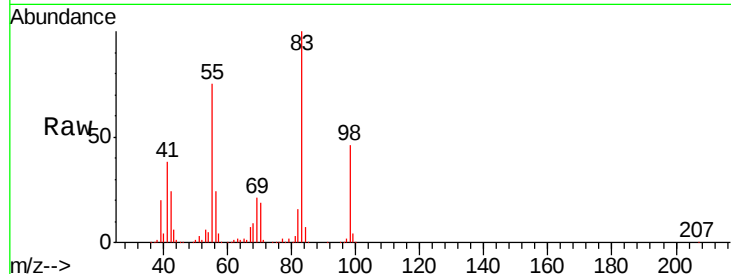
#39
Methylcyclohexane
Concen: 18.123 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBSD02

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	75.4	61.3	91.9
98	46.2	37.0	55.4

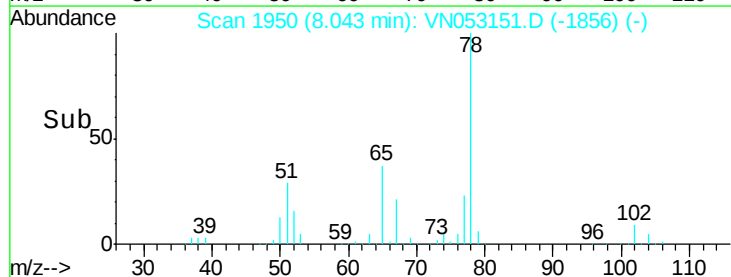
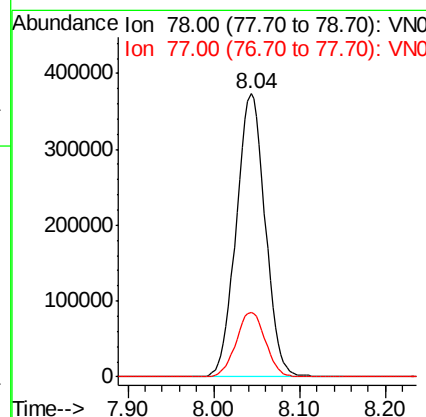
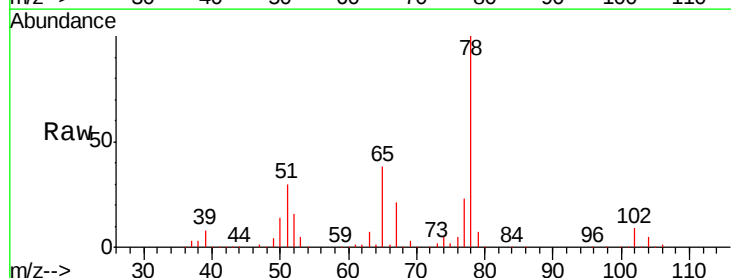
Manual Integrations
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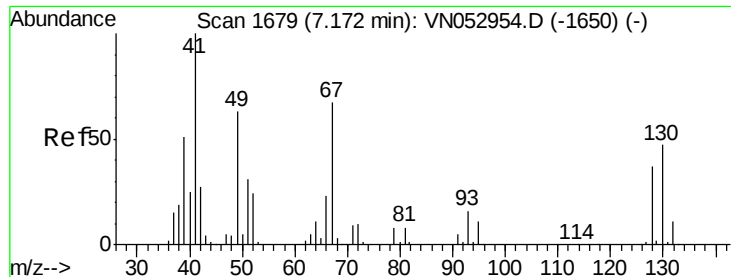
MMDadoda
12/24/2018 9:11:04 AM



#40
Benzene
Concen: 20.476 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	22.8	18.5	27.7





#41

Methacrylonitrile

Concen: 22.053 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion: 41 Resp: 101740
Ion Ratio Lower Upper

41 100

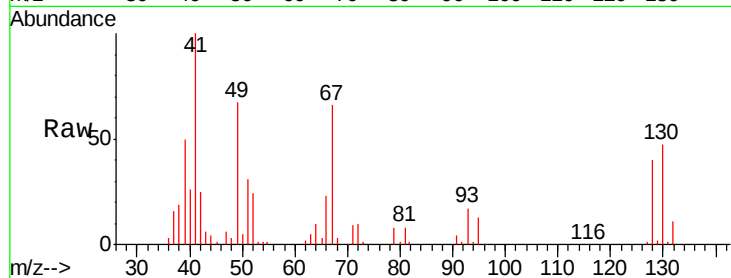
39 54.6 48.0 72.0

67 85.4 70.3 105.5

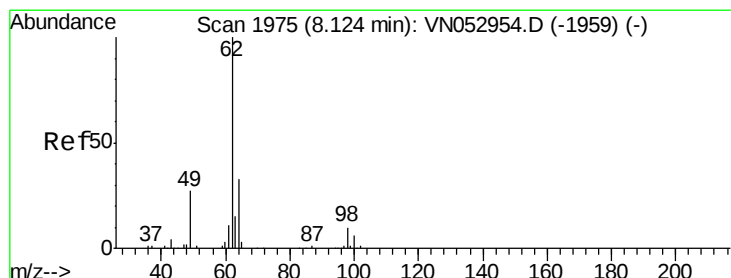
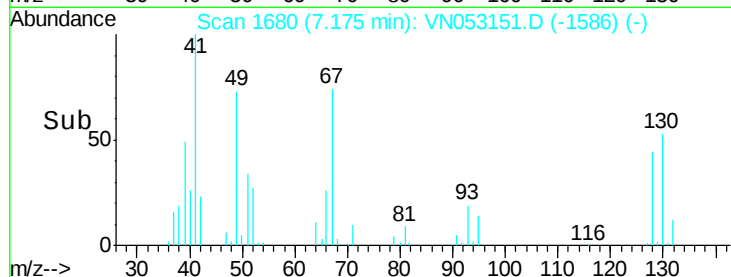
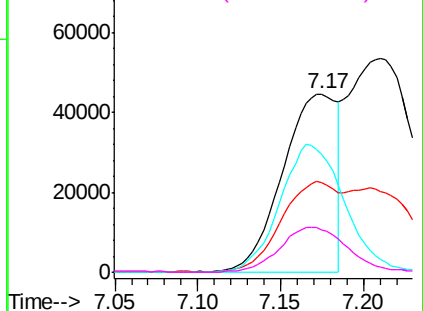
52 31.4 26.9 40.3

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Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 20.716 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

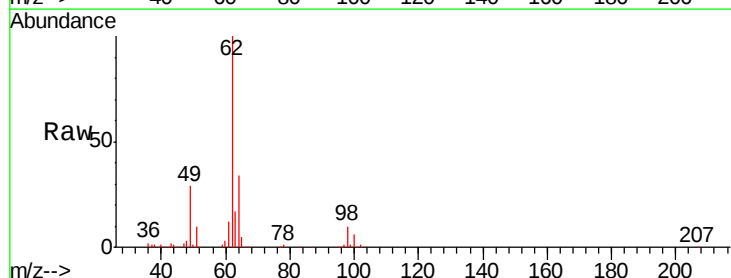
Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

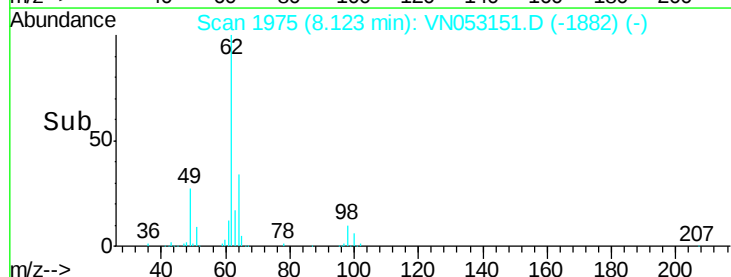
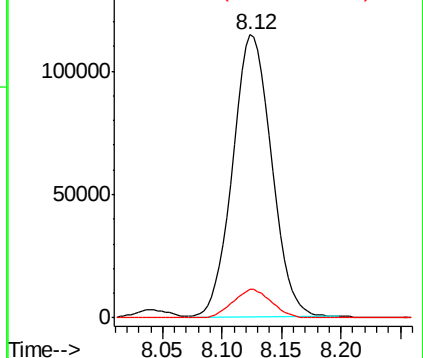
Tgt Ion: 62 Resp: 260365
Ion Ratio Lower Upper

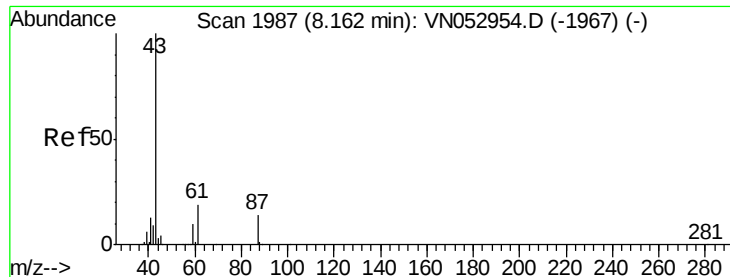
62 100

98 10.0 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





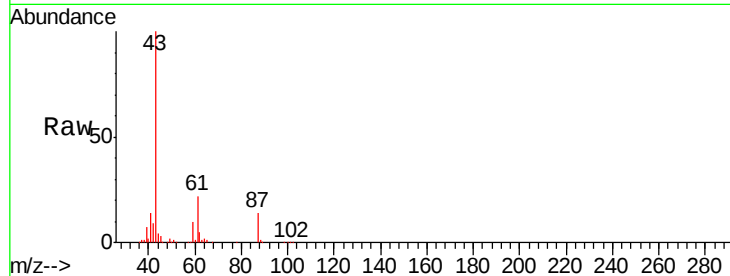
#43
Isopropyl Acetate
Concen: 20.900 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBSD02

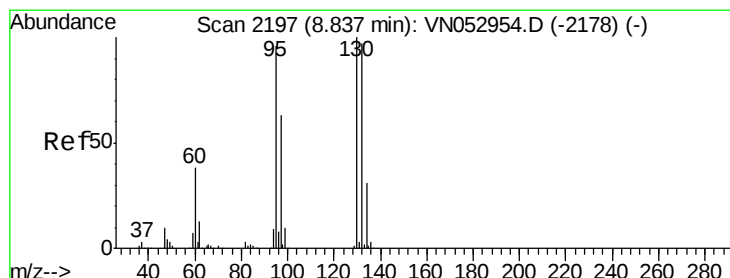
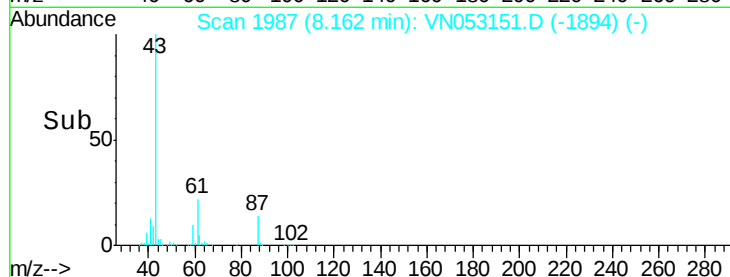
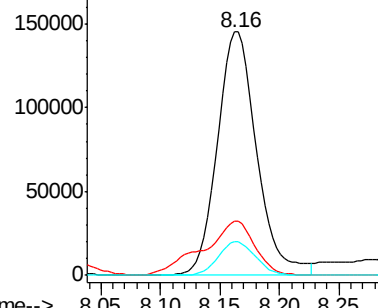
Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
61	29.1	22.9	34.3
87	13.2	10.6	15.8

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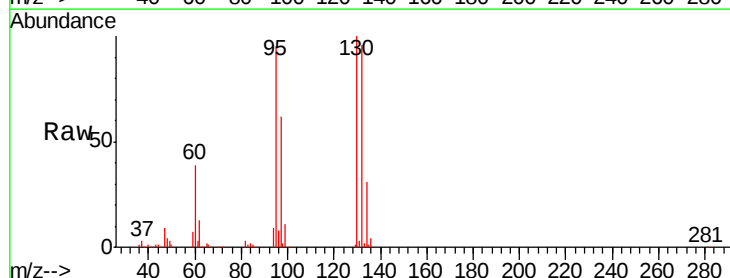


Abundance Ion 43.00 (42.70 to 43.70): VN053151.D (-1894) (-)
Ion 61.00 (60.70 to 61.70): VN053151.D (-1894) (-)
Ion 87.00 (86.70 to 87.70): VN053151.D (-1894) (-)

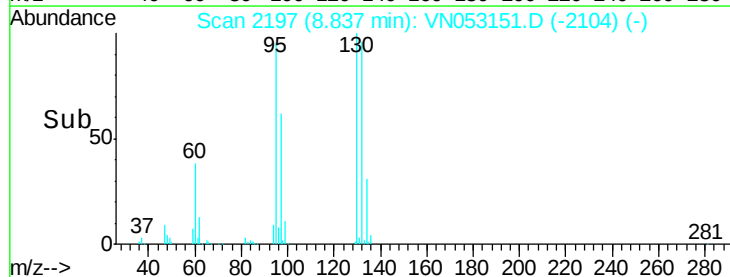
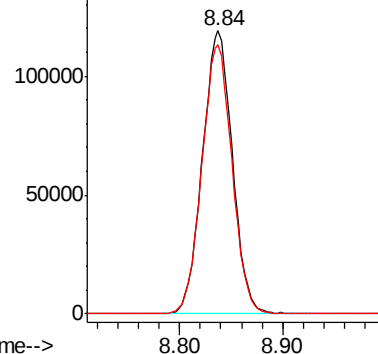


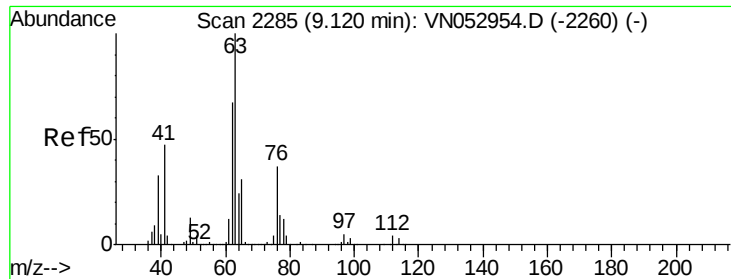
#44
Trichloroethene
Concen: 19.558 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
130	100		
95	95.2	0.0	197.8



Abundance Ion 129.80 (129.50 to 130.50): VN053151.D (-2104) (-)
Ion 94.90 (94.60 to 95.60): VN053151.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 21.028 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion: 63 Resp: 233026

Ion Ratio Lower Upper

63 100

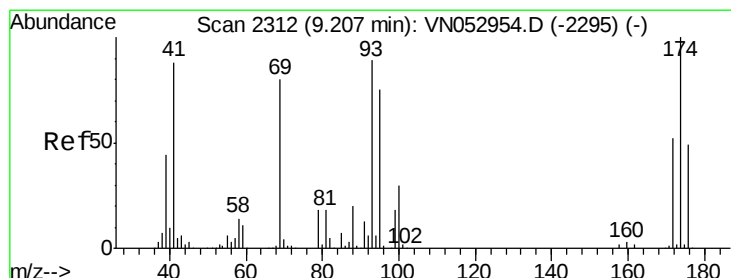
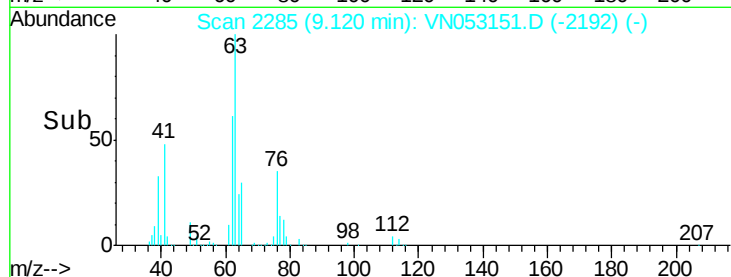
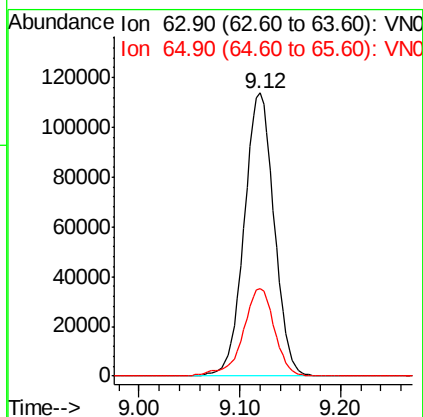
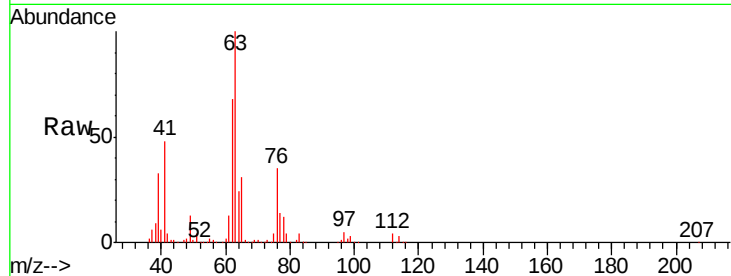
65 31.1 24.6 37.0

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#46

Dibromomethane

Concen: 20.442 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

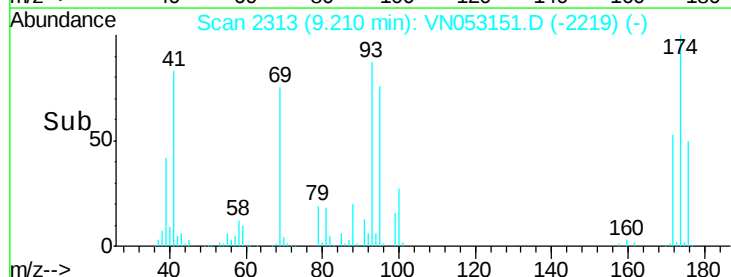
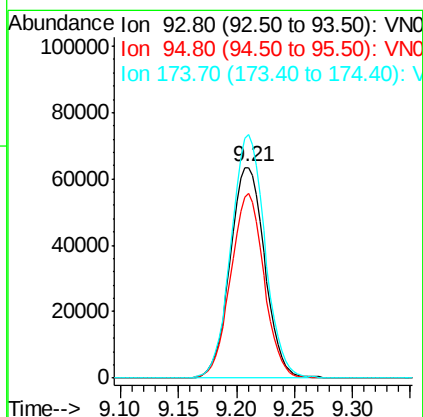
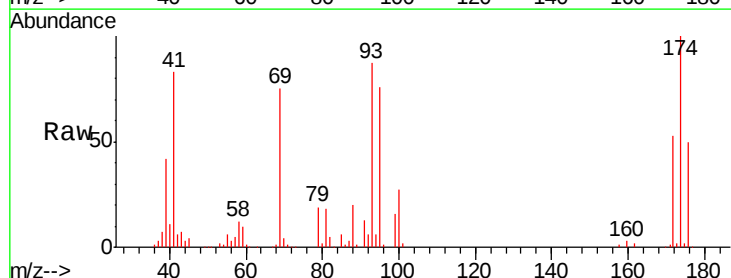
Tgt Ion: 93 Resp: 131964

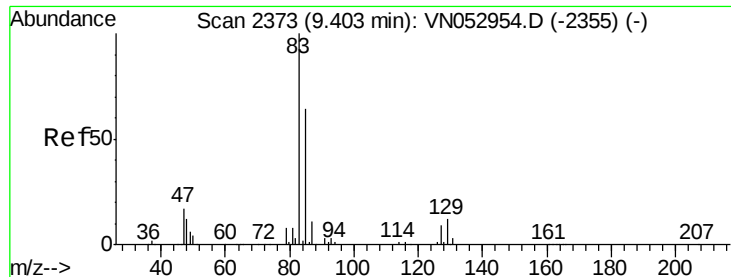
Ion Ratio Lower Upper

93 100

95 84.3 67.8 101.6

174 113.1 89.0 133.4





#47

Bromodichloromethane

Concen: 20.100 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Instrument :

MSVOA_N

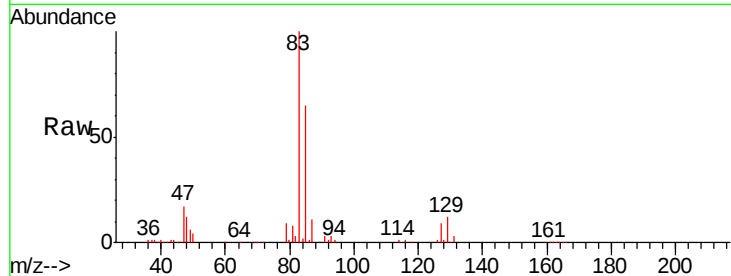
ClientSampleId :

VN1222MBS02

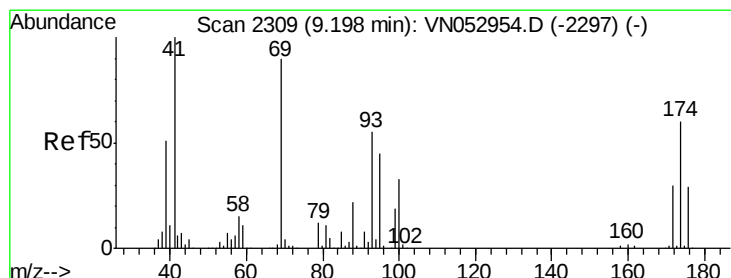
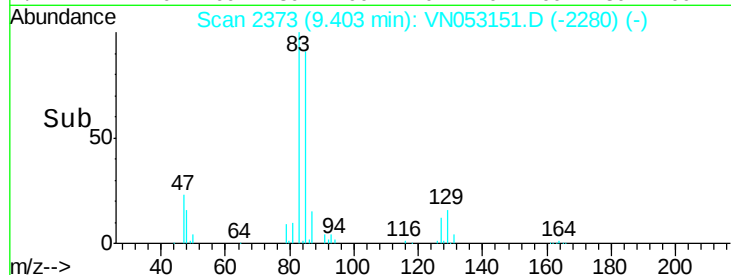
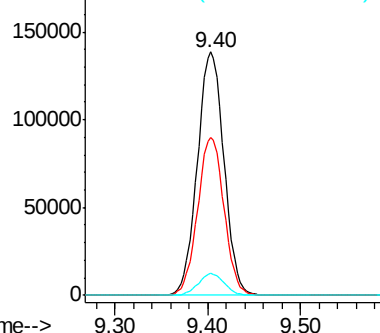
Tgt Ion:	83	Resp:	275812
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4
127	8.9	7.1	10.7

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Abundance Ion 82.90 (82.60 to 83.60): VN053151.D (-2280) (-)



#48

Methyl methacrylate

Concen: 21.011 ug/l

RT: 9.20 min Scan# 2309

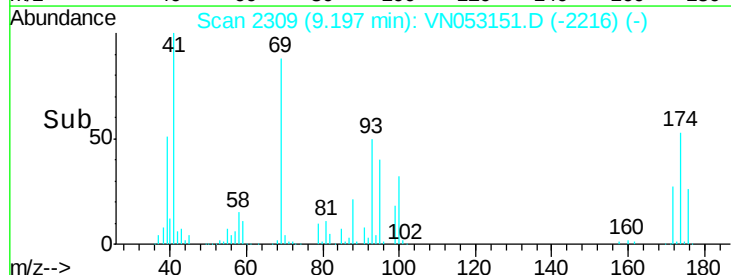
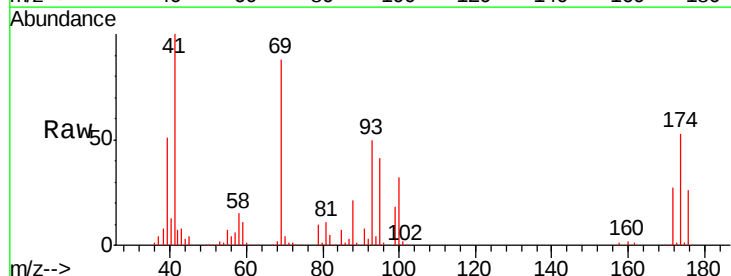
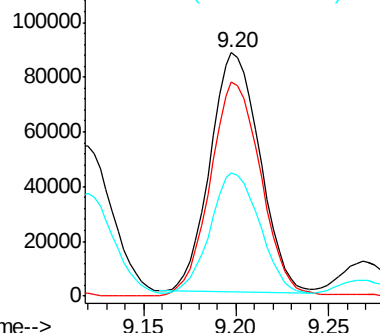
Delta R.T. -0.00 min

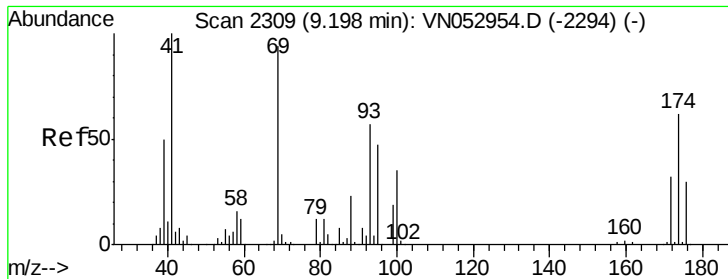
Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Tgt Ion:	41	Resp:	162799
Ion	Ratio	Lower	Upper
41	100		
69	91.9	72.2	108.2
39	50.3	41.9	62.9

Abundance Ion 41.00 (40.70 to 41.70): VN053151.D (-2216) (-)





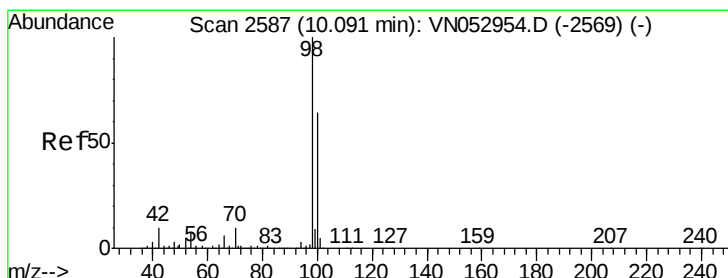
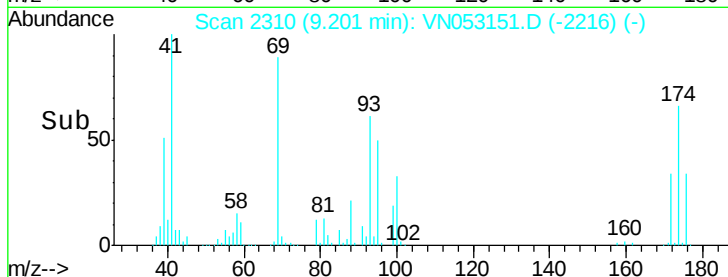
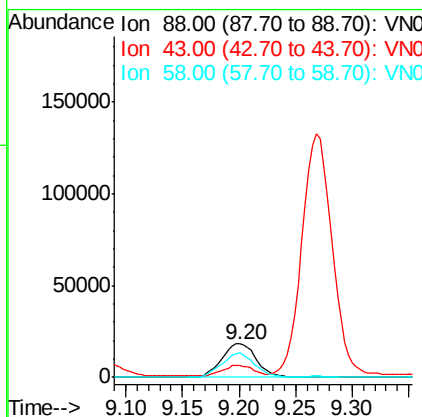
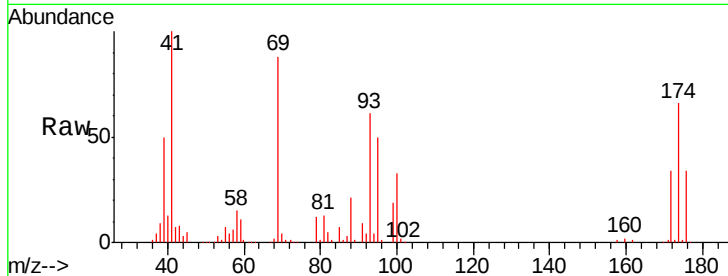
#49
1,4-Dioxane
Concen: 399.671 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	28.9	26.6	40.0
58	68.9	58.4	87.6

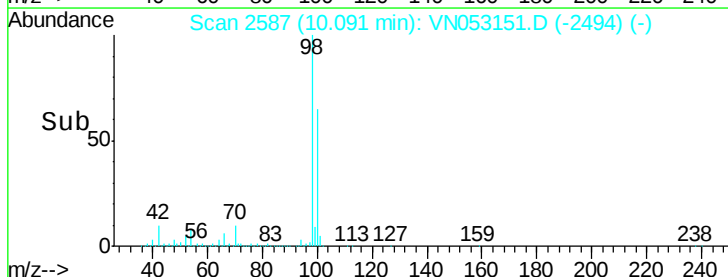
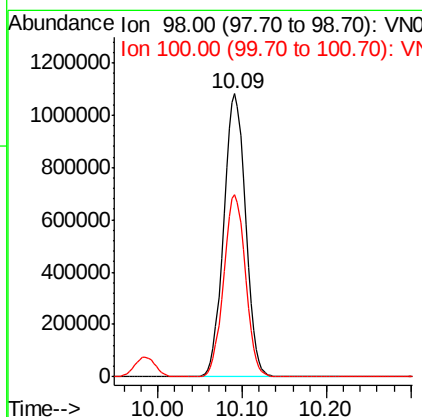
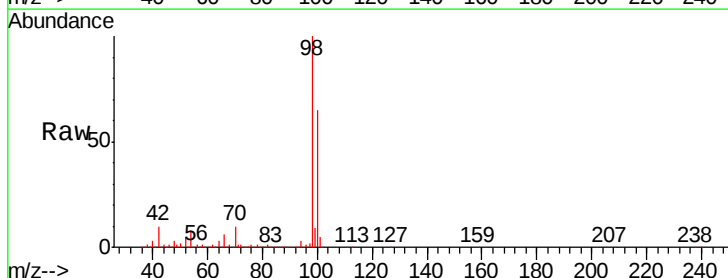
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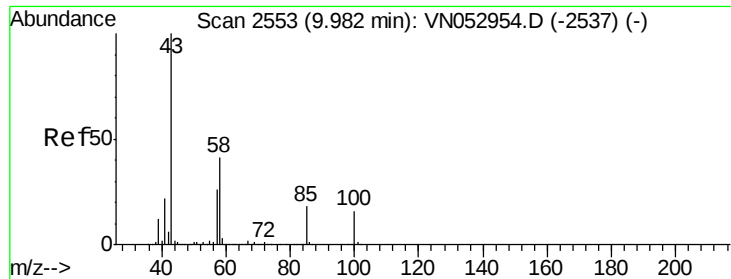
MMDadoda
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#50
Toluene-d8
Concen: 399.671 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4





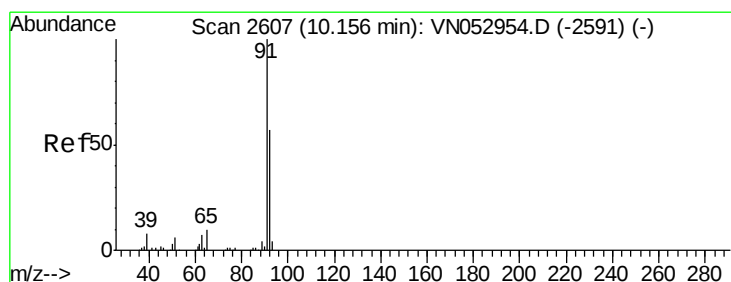
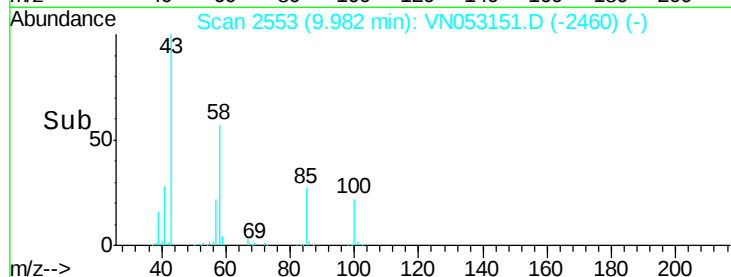
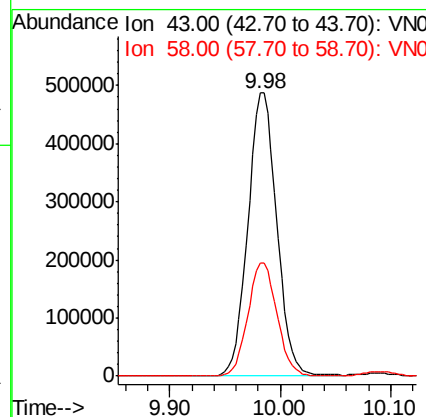
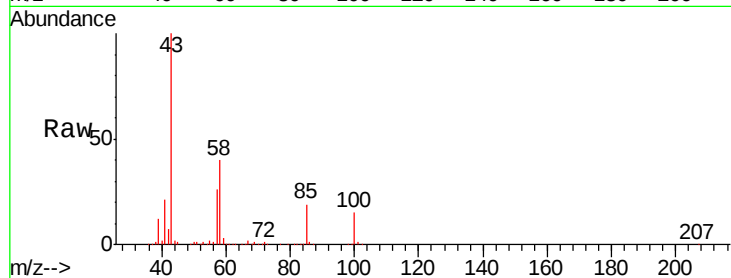
#51
 4-Methyl-2-Pentanone
 Concen: 113.847 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBSD02

Tgt Ion: 43 Resp: 880330
 Ion Ratio Lower Upper
 43 100
 58 40.3 32.2 48.4

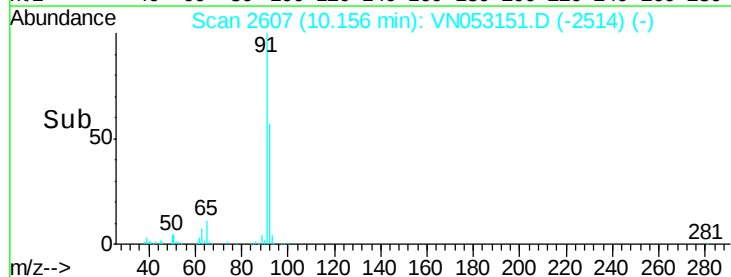
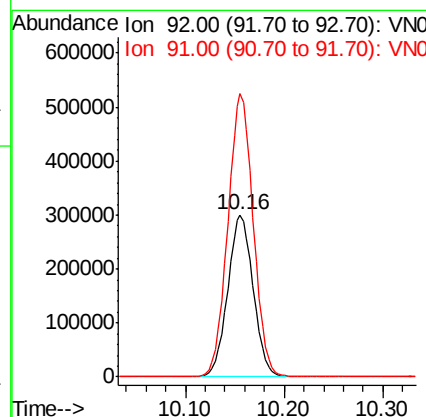
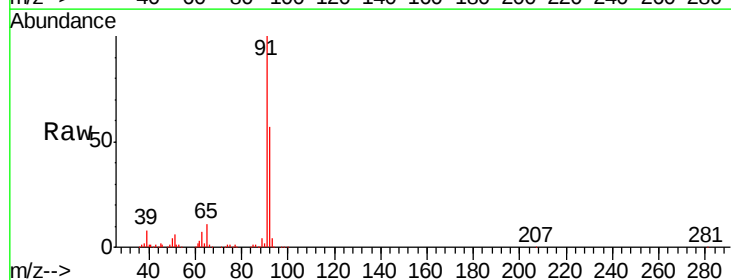
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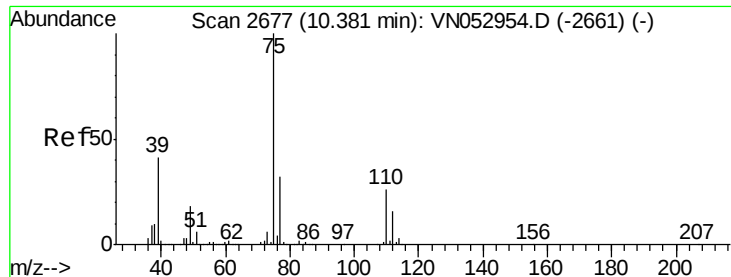
MMDadoda
 12/24/2018 9:11:04 AM



#52
 Toluene
 Concen: 20.530 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Tgt Ion: 92 Resp: 541376
 Ion Ratio Lower Upper
 92 100
 91 174.8 139.8 209.6





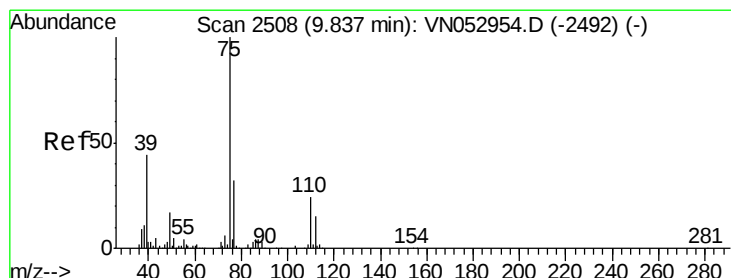
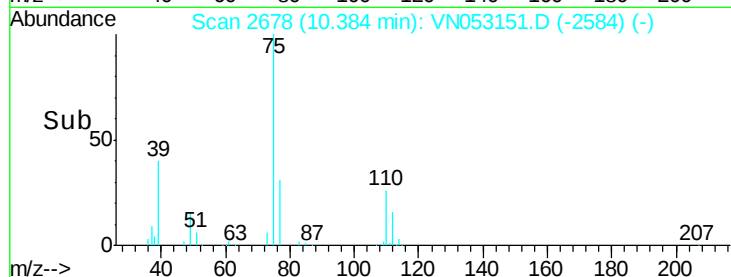
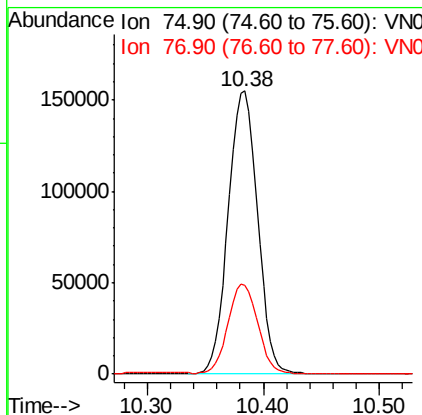
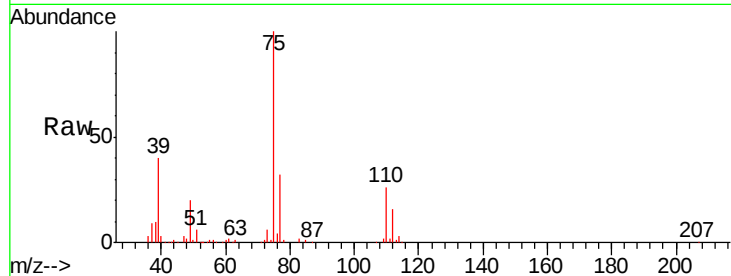
#53
 t-1,3-Dichloropropene
 Concen: 18.923 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1222MBS02

Tgt Ion: 75 Resp: 273056
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.6 38.4

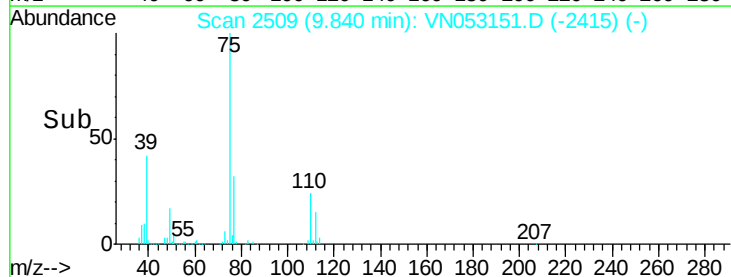
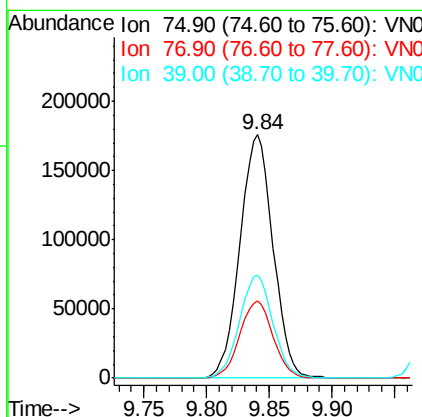
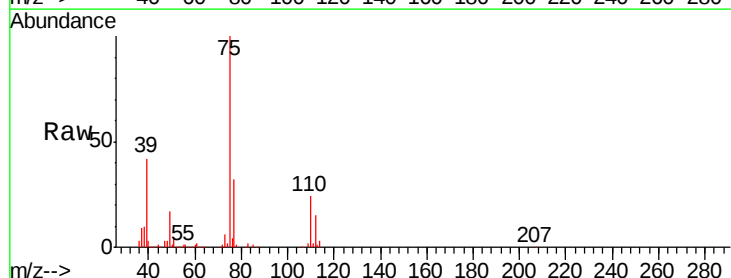
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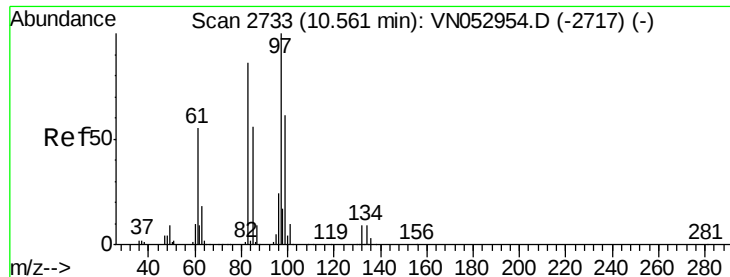
MMDadoda
 12/24/2018 9:11:04 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.478 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Tgt Ion: 75 Resp: 322607
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.8
 39 42.3 34.8 52.2





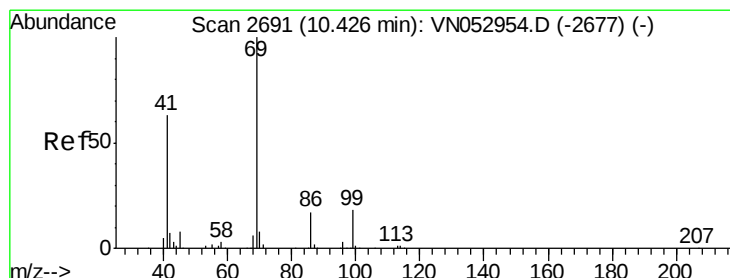
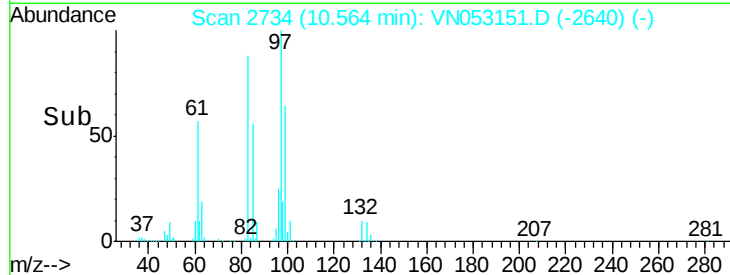
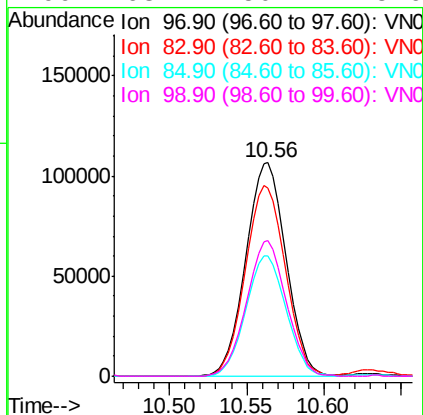
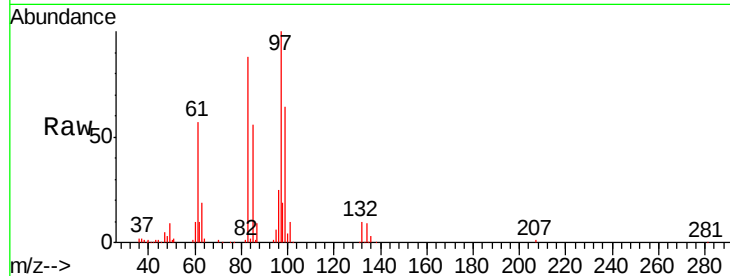
#55
 1,1,2-Trichloroethane
 Concen: 21.005 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBSD02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.9	106.3
85	56.4	45.4	68.2
99	63.7	50.4	75.6

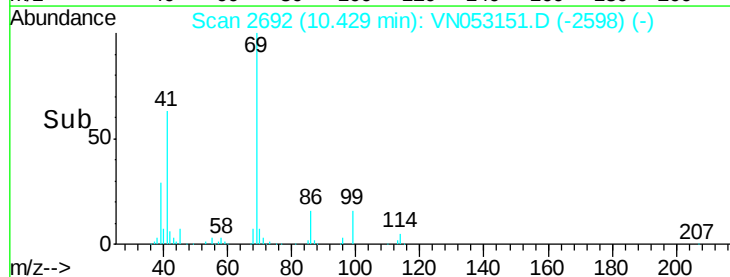
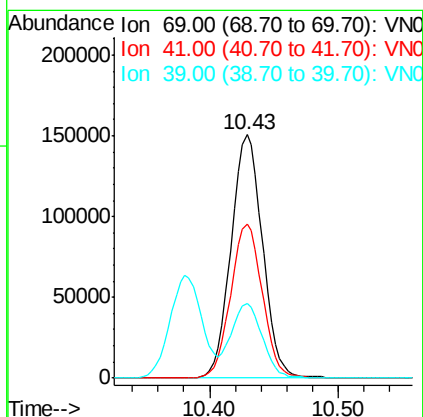
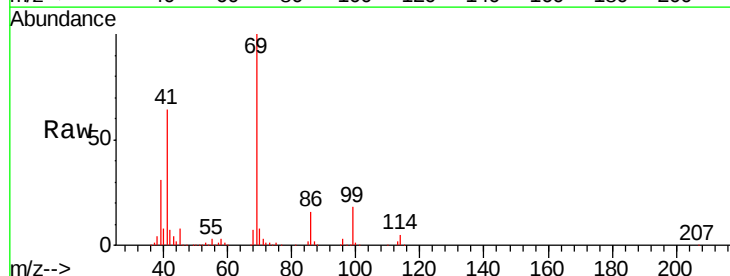
Manual Integrations
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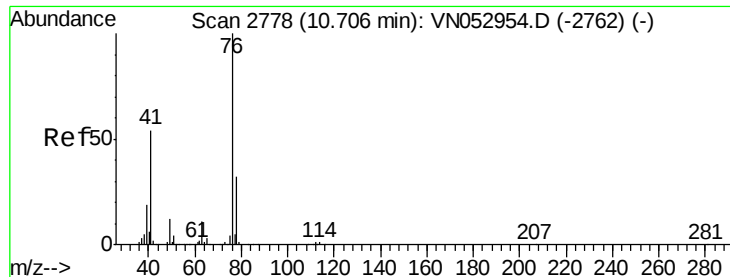
MMDadoda
 12/24/2018 9:11:04 AM



#56
 Ethyl methacrylate
 Concen: 20.991 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.7	77.5
39	30.3	24.6	37.0





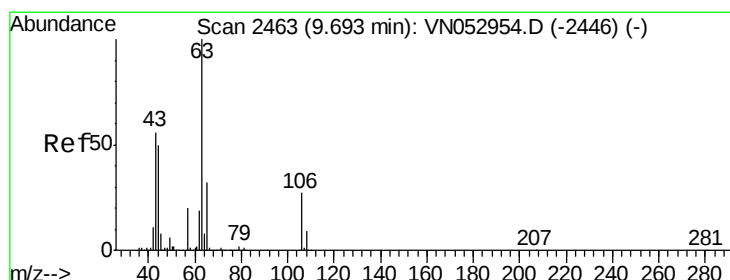
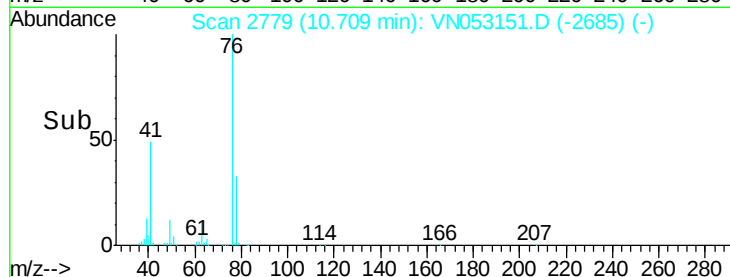
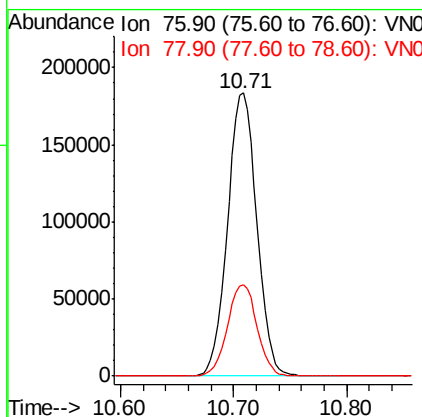
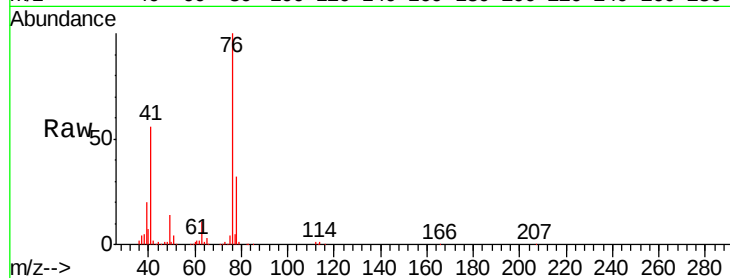
#57
 1,3-Dichloropropane
 Concen: 20.925 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

Tgt Ion: 76 Resp: 330118
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.8

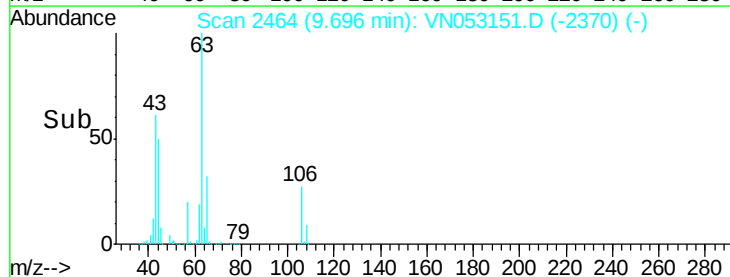
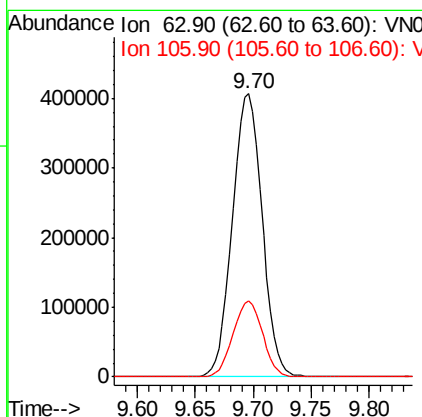
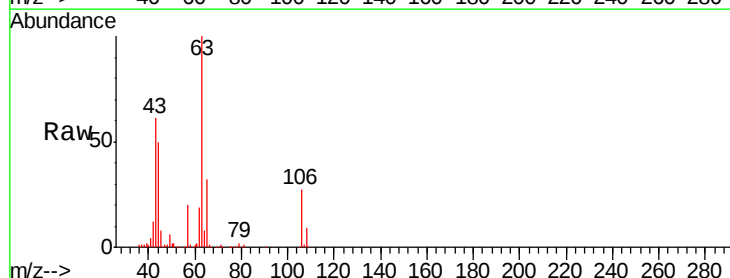
Manual Integrations
 APPROVED

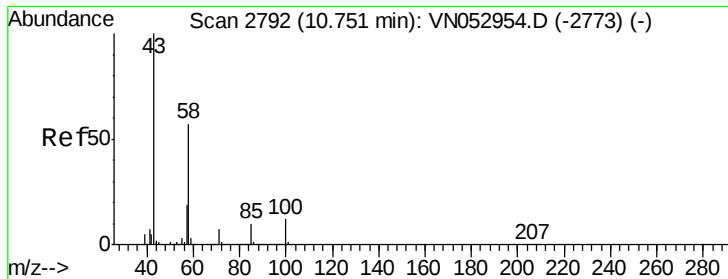
MMDadoda
 12/24/2018 9:11:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.072 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Tgt Ion: 63 Resp: 722459
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.0 31.6





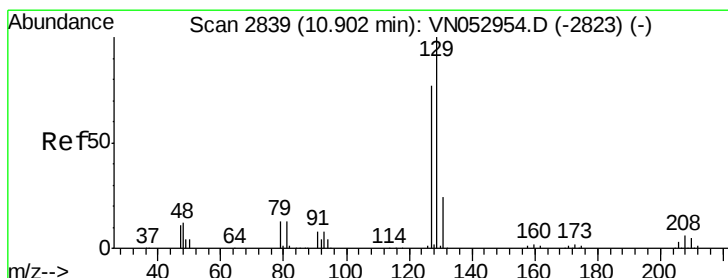
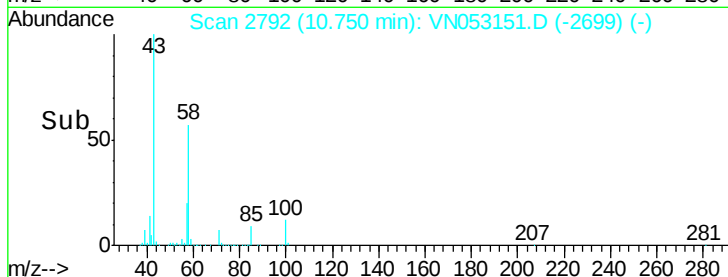
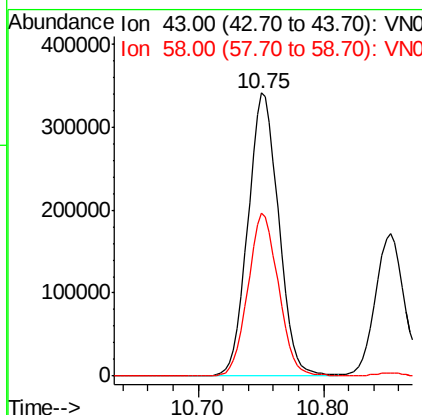
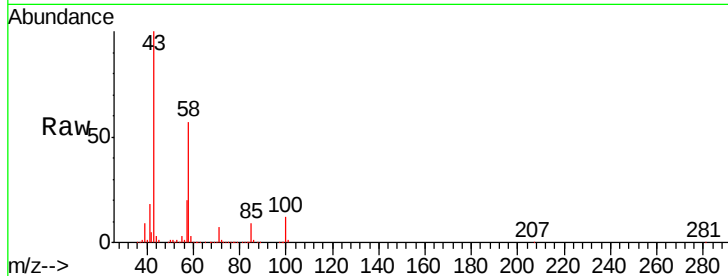
#59
2-Hexanone
Concen: 110.802 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBSD02

Tgt Ion: 43 Resp: 579686
Ion Ratio Lower Upper
43 100
58 57.6 28.1 84.3

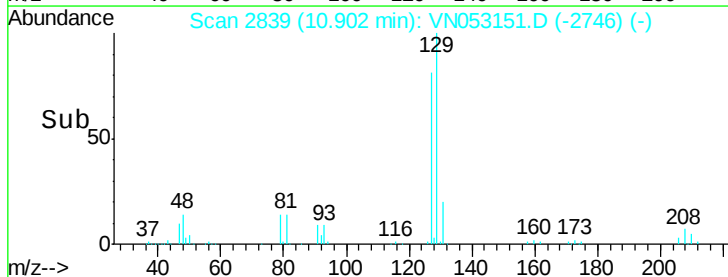
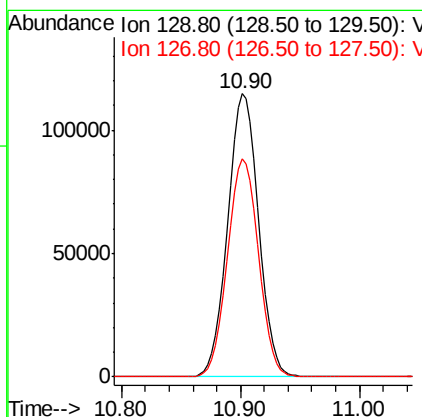
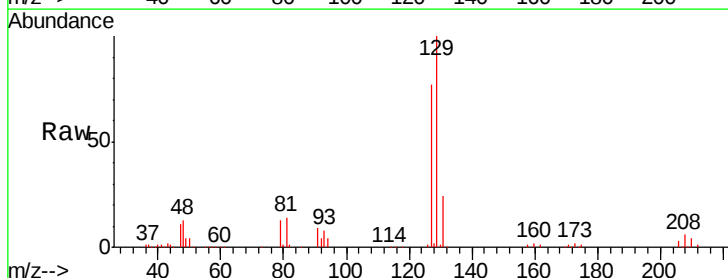
Manual Integrations
APPROVED

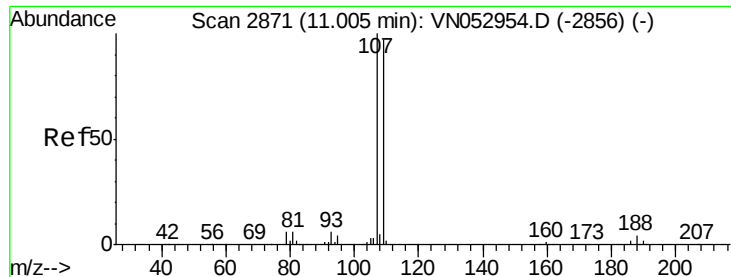
MMDadoda
12/24/2018 9:11:04 AM



#60
Dibromochloromethane
Concen: 19.596 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Tgt Ion: 129 Resp: 206365
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0





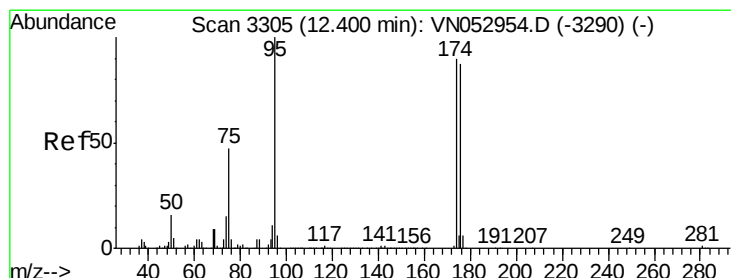
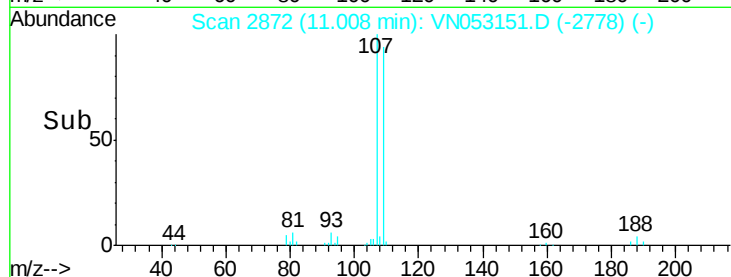
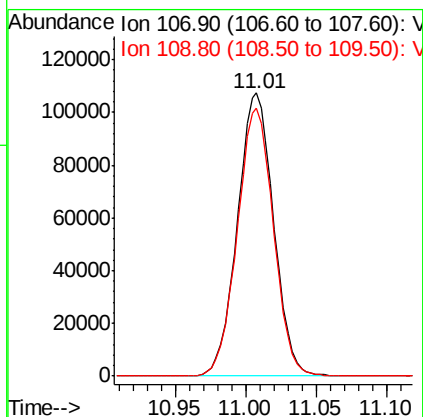
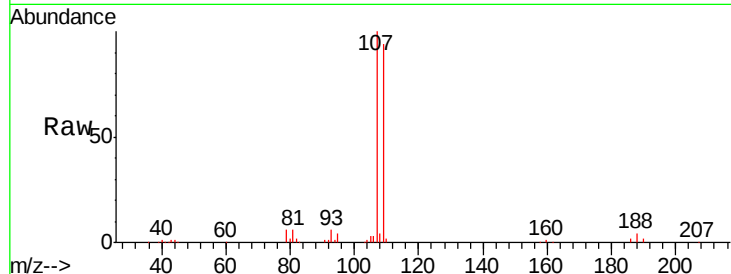
#61
1,2-Dibromoethane
Concen: 20.624 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion: 107 Resp: 192693
Ion Ratio Lower Upper
107 100
109 94.7 75.4 113.0

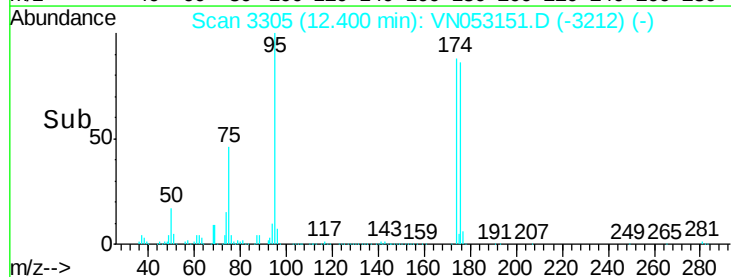
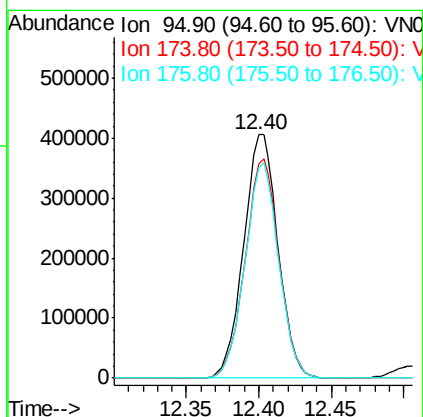
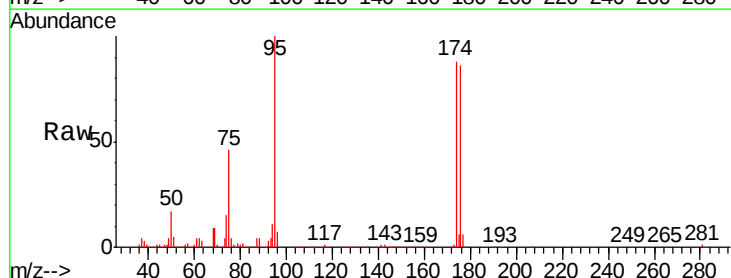
Manual Integrations
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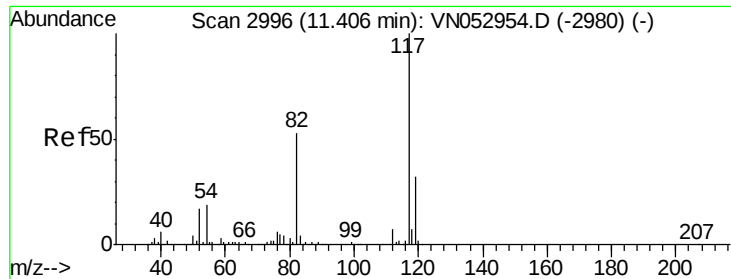
MMDadoda
12/24/2018 9:11:04 AM



#62
4-Bromofluorobenzene
Concen: 20.624 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Tgt Ion: 95 Resp: 668221
Ion Ratio Lower Upper
95 100
174 88.9 0.0 178.8
176 86.7 0.0 173.8





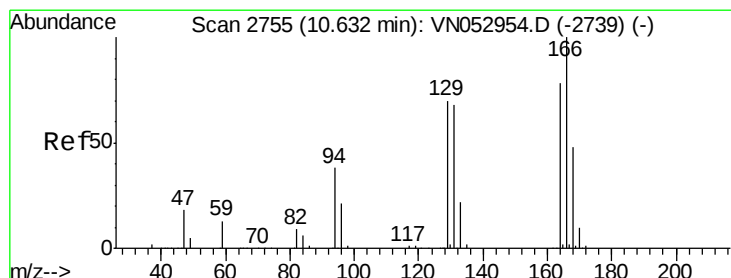
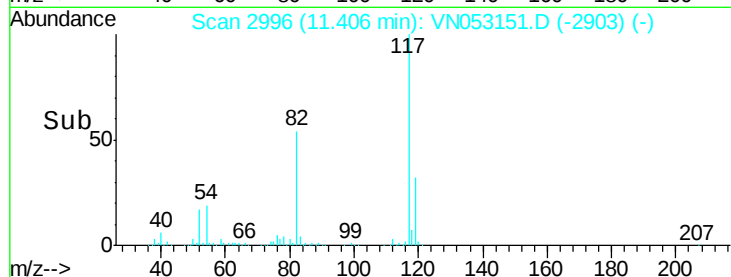
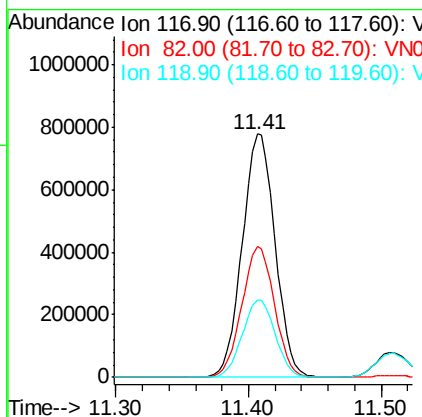
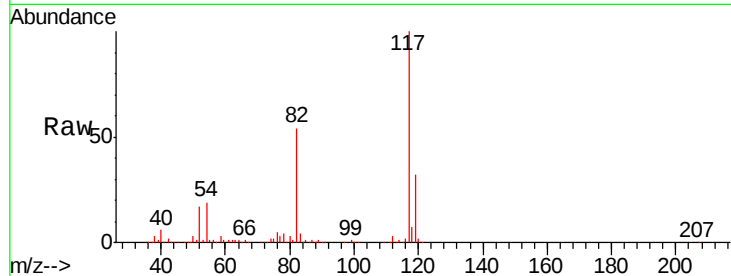
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion:117 Resp: 1336029
Ion Ratio Lower Upper
117 100
82 53.6 42.8 64.2
119 31.9 25.5 38.3

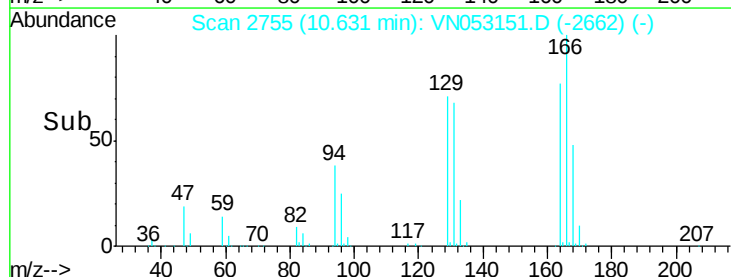
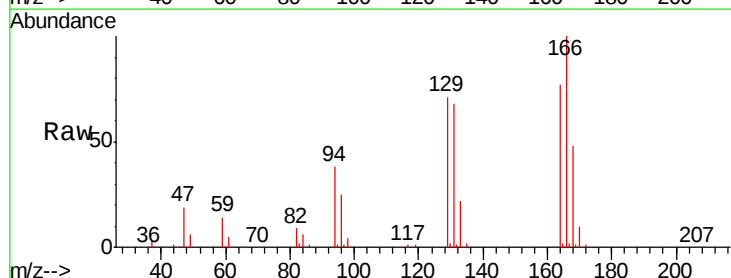
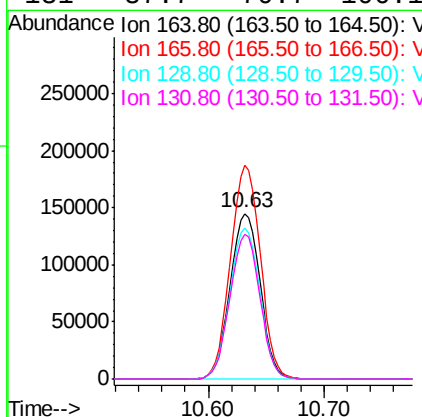
Manual Integrations
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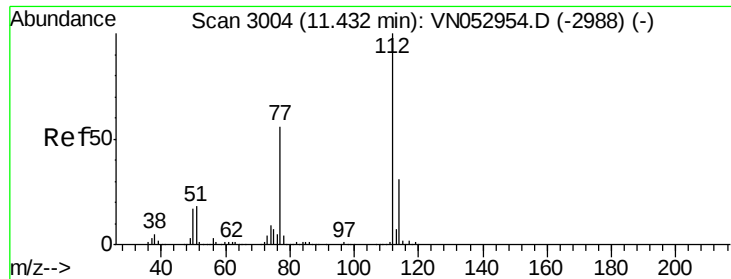
MMDadoda
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#64
Tetrachloroethene
Concen: 17.969 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Tgt Ion:164 Resp: 260047
Ion Ratio Lower Upper
164 100
166 129.2 102.9 154.3
129 91.6 73.7 110.5
131 87.7 70.7 106.1





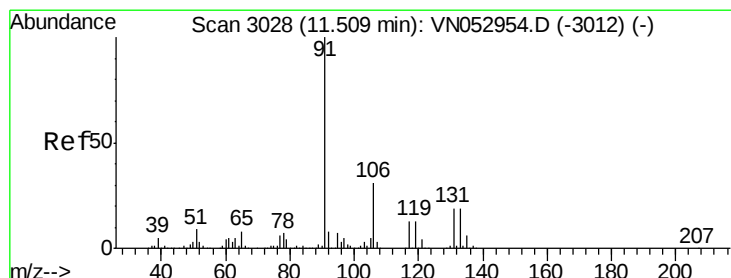
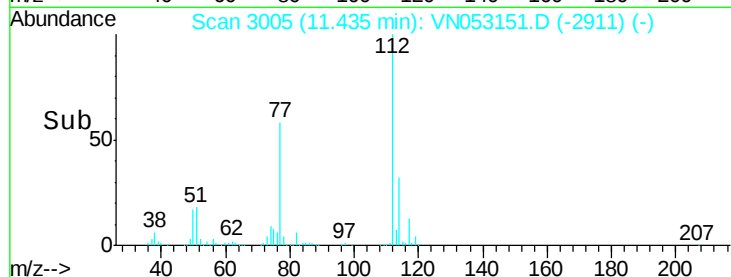
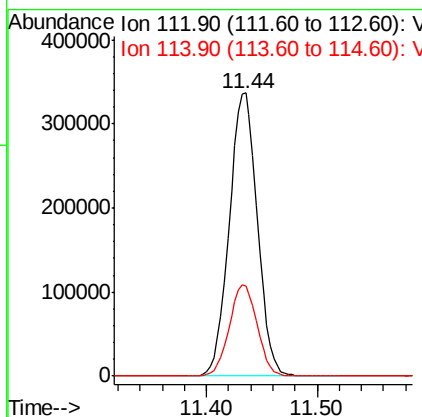
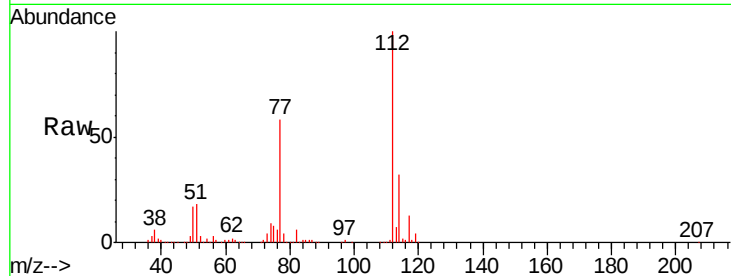
#65
Chlorobenzene
Concen: 20.026 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBSD02

Tgt Ion:112 Resp: 593099
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3

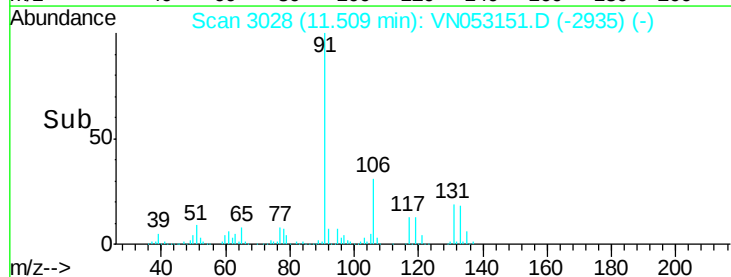
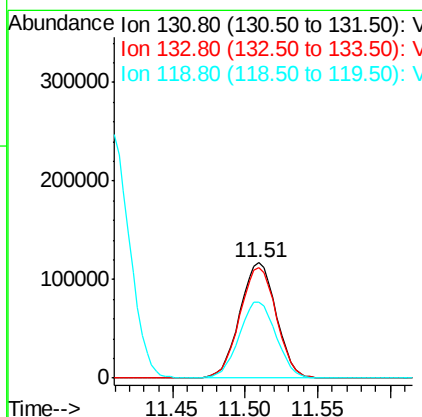
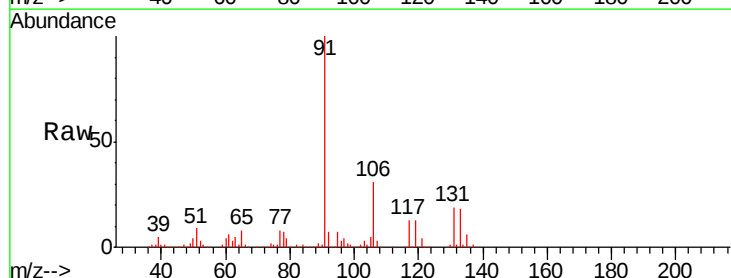
Manual Integrations
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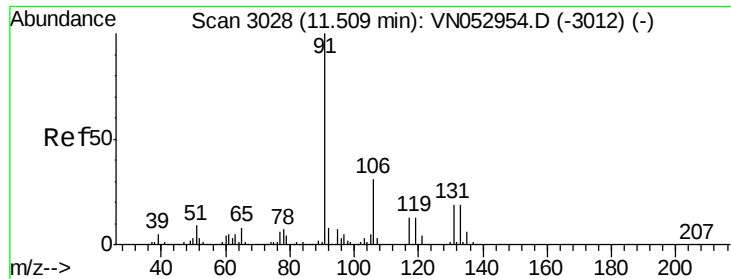
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.887 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Tgt Ion:131 Resp: 204818
Ion Ratio Lower Upper
131 100
133 96.4 47.6 142.9
119 67.0 33.3 99.8





#67

Ethyl Benzene

Concen: 20.211 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBSD02

Tgt Ion: 91 Resp: 1029360

Ion Ratio Lower Upper

91 100

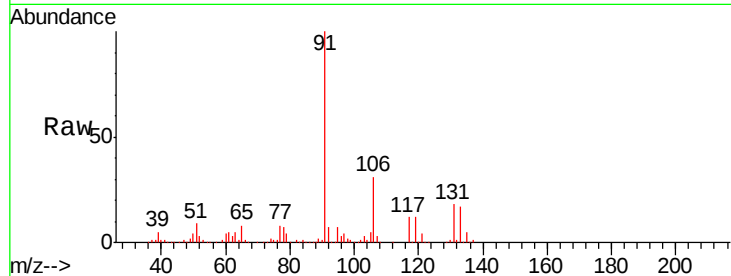
106 30.9 24.9 37.3

Manual Integrations

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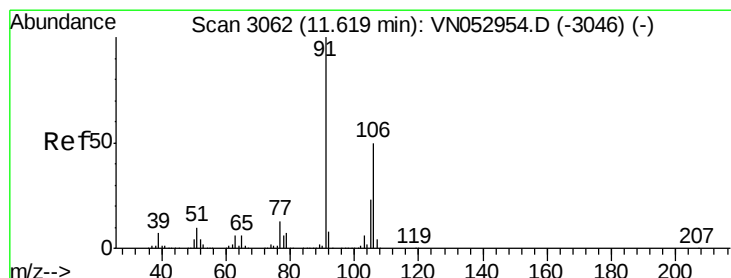
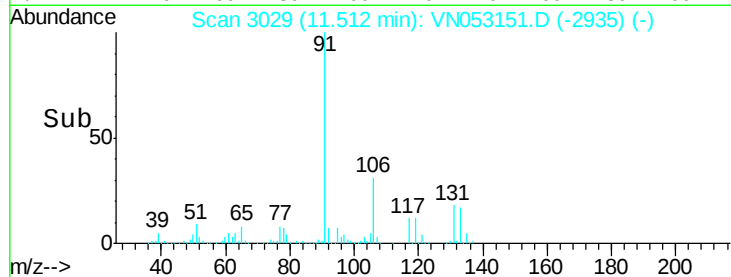
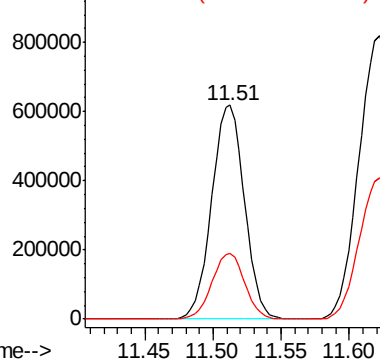
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN052954.D (-3012) (-)



#68

m/p-Xylenes

Concen: 39.992 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053151.D

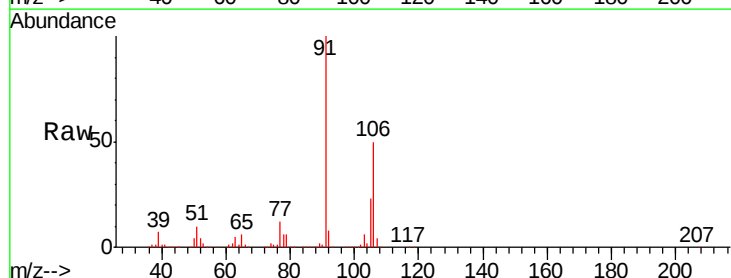
Acq: 23 Dec 2018 00:19

Tgt Ion: 106 Resp: 774318

Ion Ratio Lower Upper

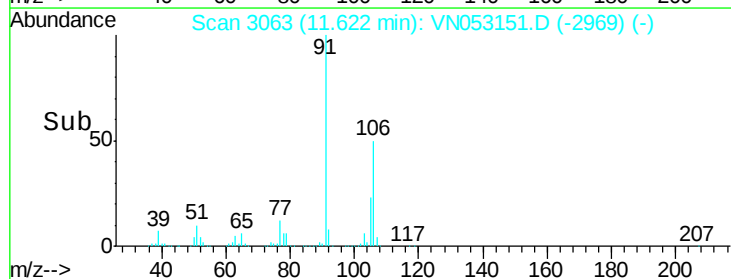
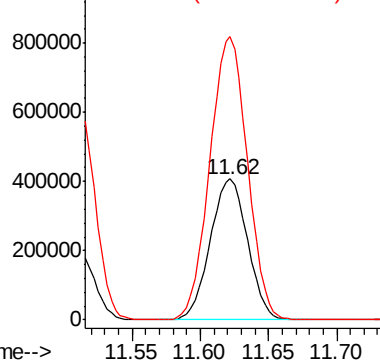
106 100

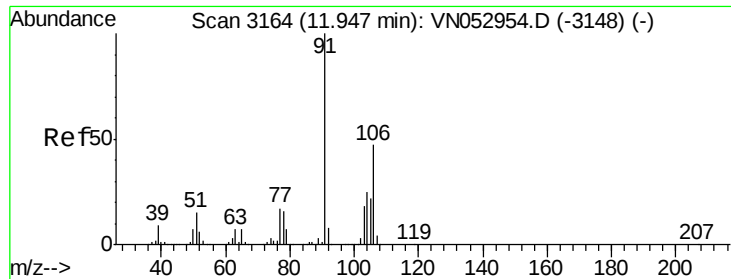
91 201.9 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): VN052954.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN052954.D (-3046) (-)





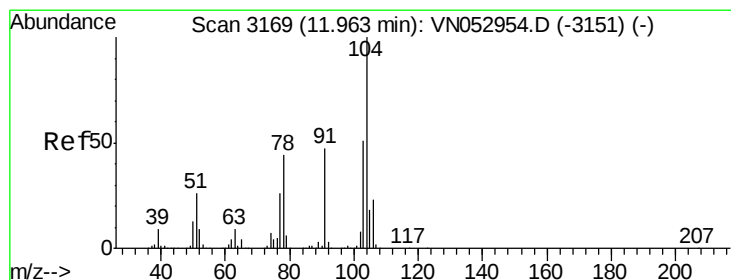
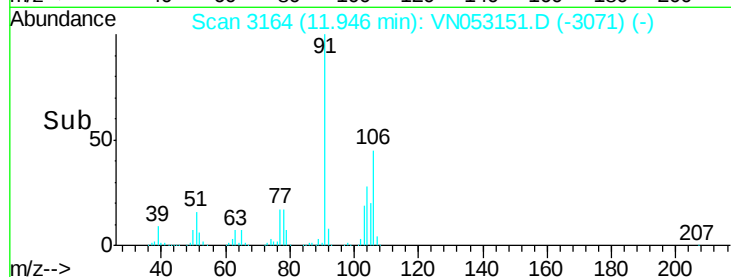
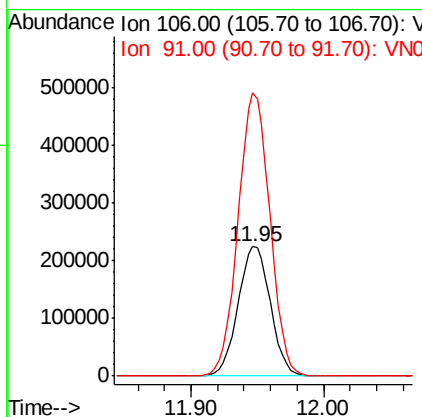
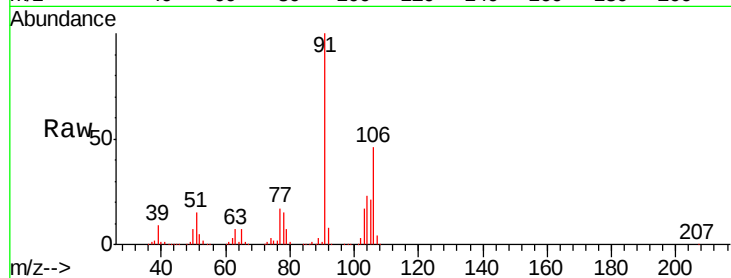
#69
o-Xylene
Concen: 20.399 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBSD02

Tgt Ion:106 Resp: 379000
Ion Ratio Lower Upper
106 100
91 215.7 106.6 319.8

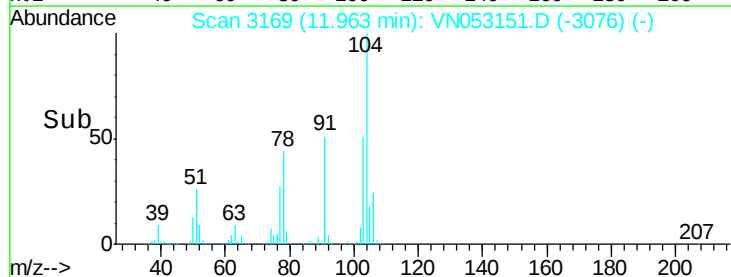
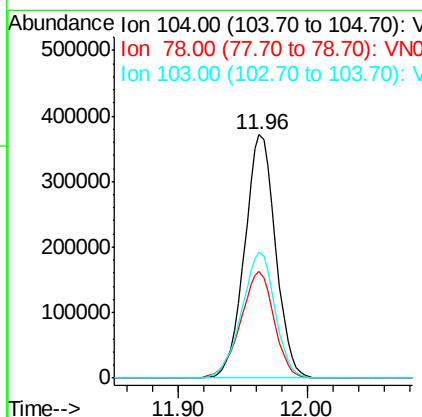
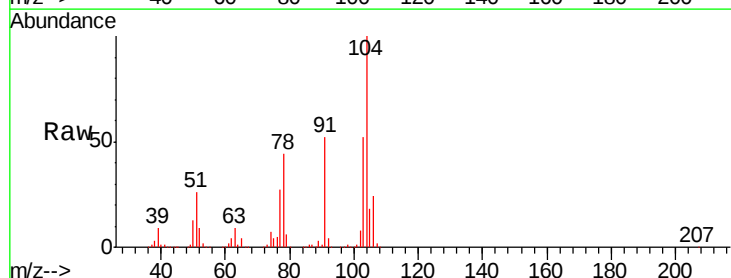
Manual Integrations
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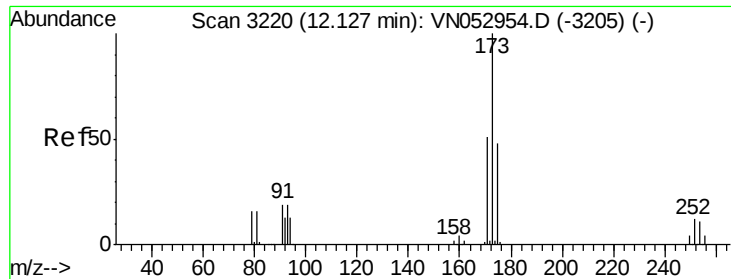
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#70
Styrene
Concen: 20.495 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Tgt Ion:104 Resp: 620910
Ion Ratio Lower Upper
104 100
78 47.4 38.9 58.3
103 55.5 44.3 66.5





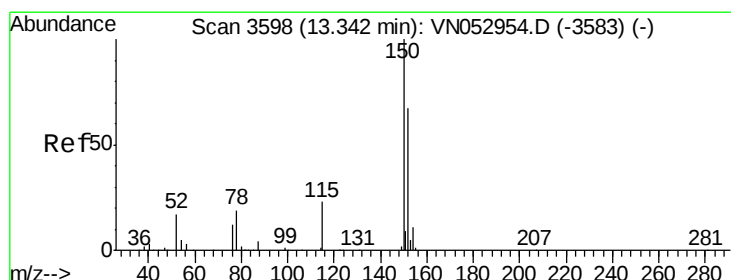
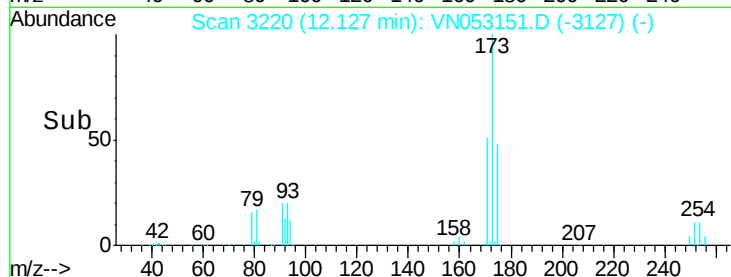
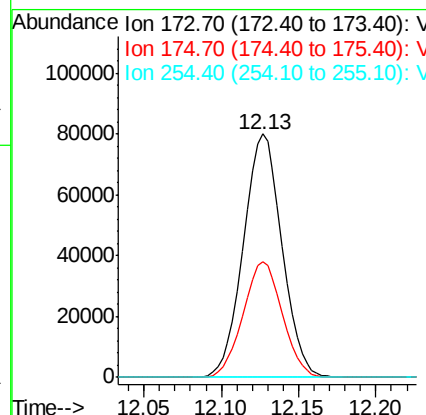
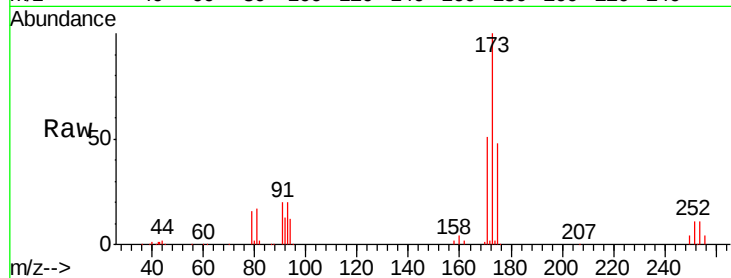
#71
Bromoform
Concen: 18.618 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.9
254	0.0	0.1	0.1#

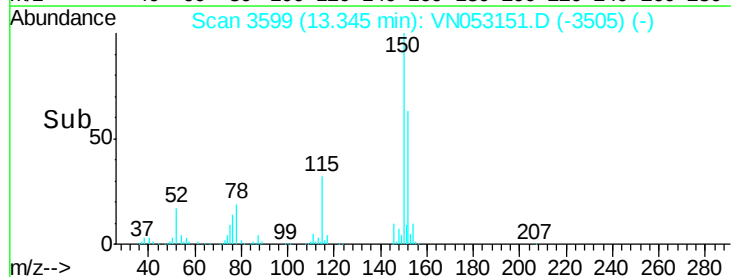
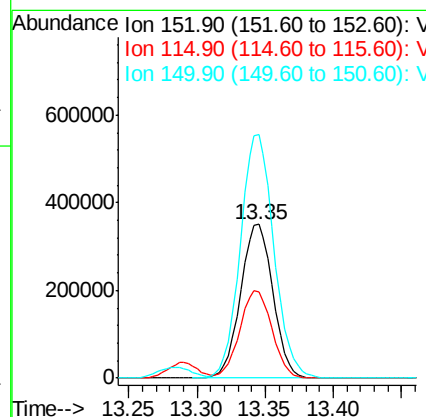
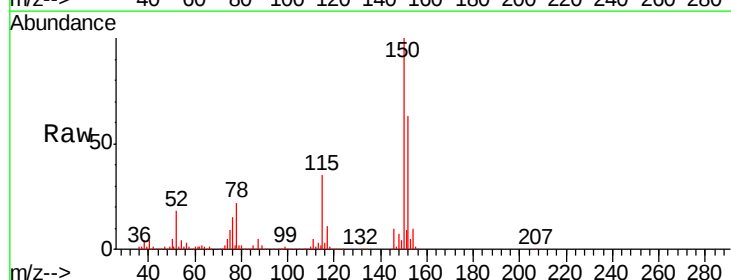
Manual Integrations
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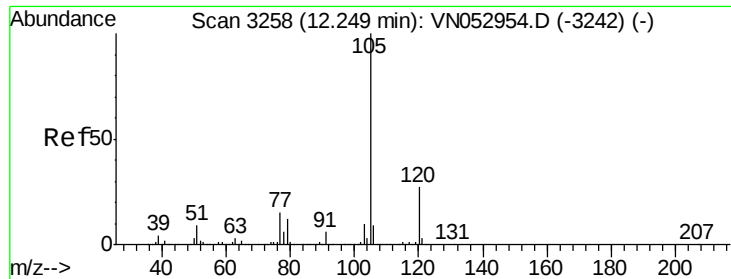
MMDadoda
12/24/2018 9:11:04 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.3	85.0
150	164.2	0.0	347.8





#73

Isopropylbenzene

Concen: 22.091 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion: 105 Resp: 998631

Ion Ratio Lower Upper

105 100

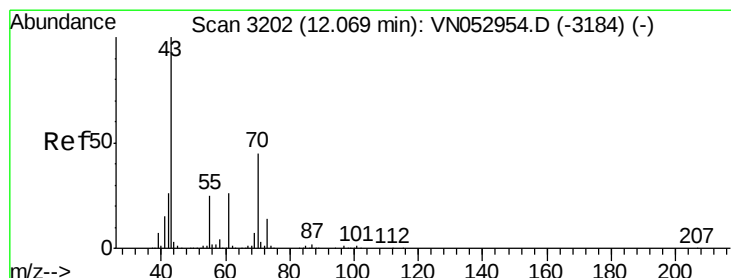
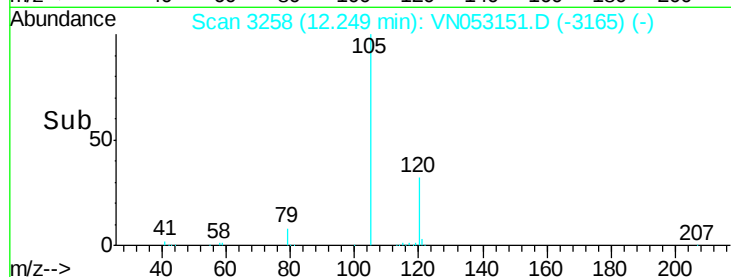
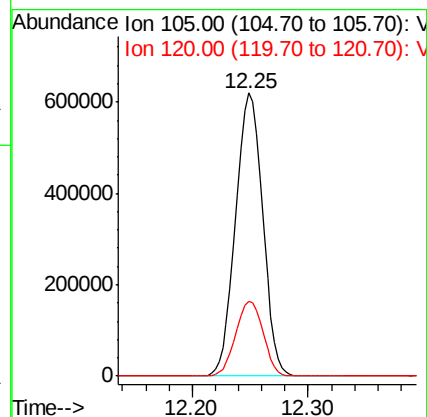
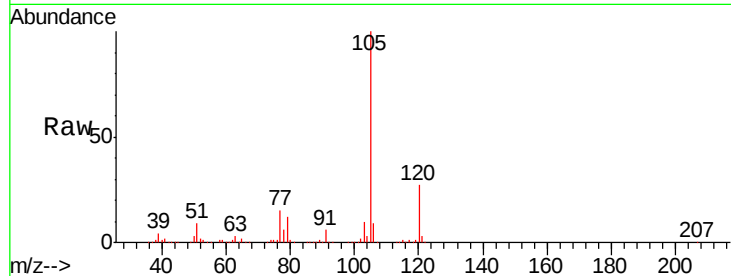
120 26.7 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 22.546 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Tgt Ion: 43 Resp: 282966

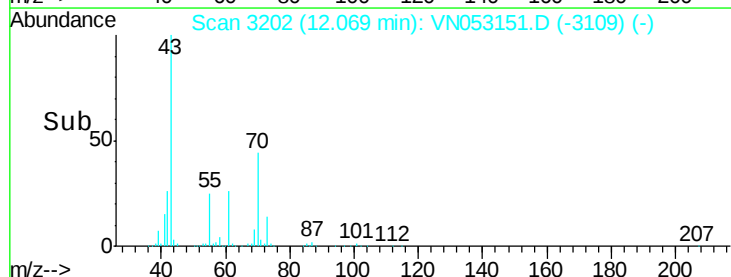
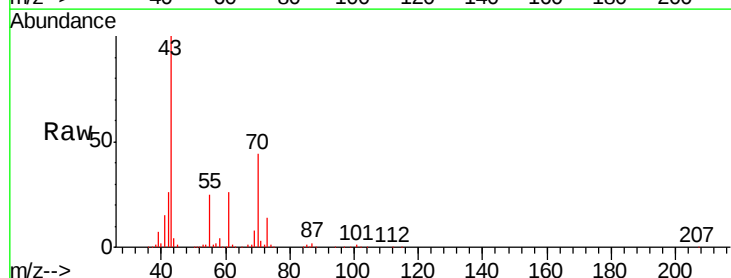
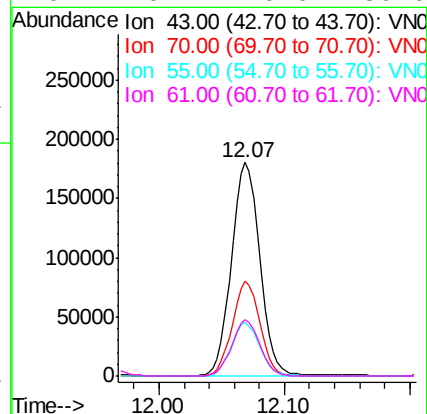
Ion Ratio Lower Upper

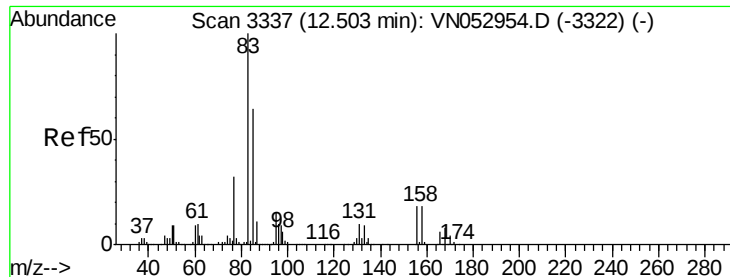
43 100

70 43.4 34.2 51.4

55 25.4 20.3 30.5

61 26.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 25.027 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion: 83 Resp: 221953
Ion Ratio Lower Upper

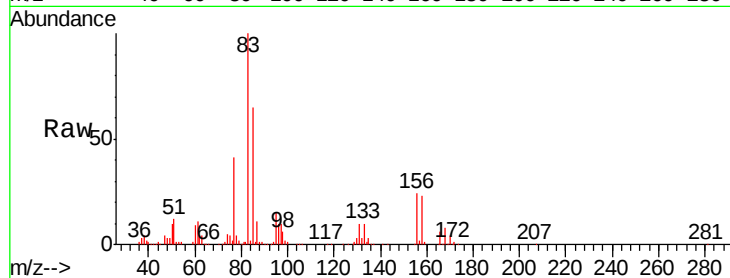
83 100

131 10.6 5.2 15.6

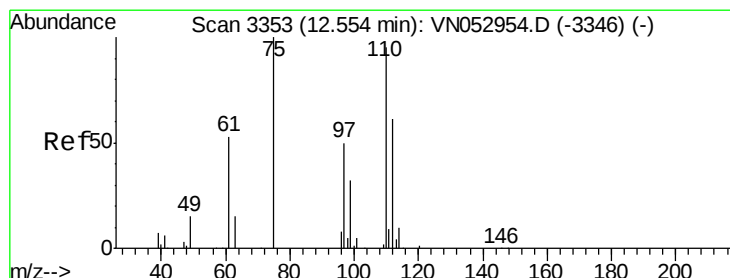
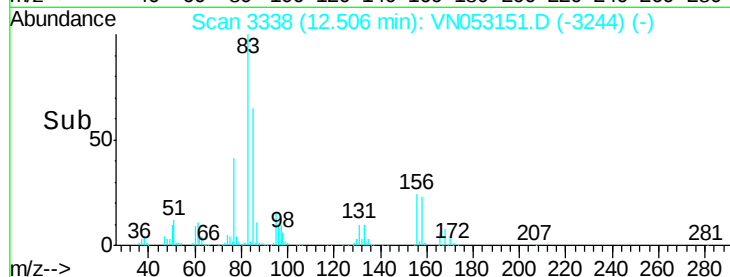
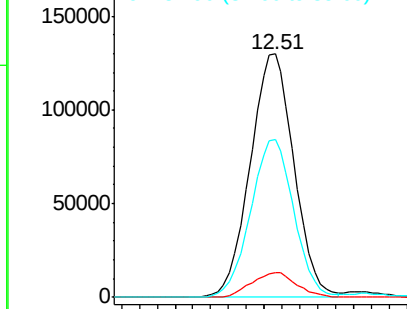
85 63.9 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 19.434 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

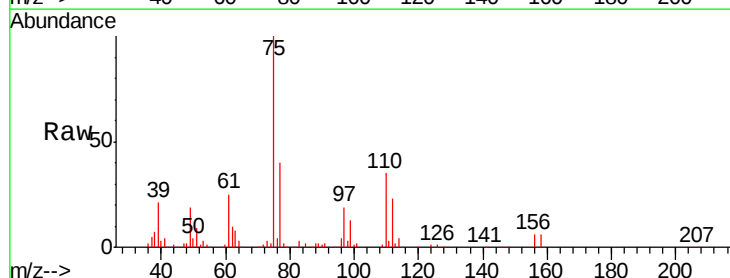
Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

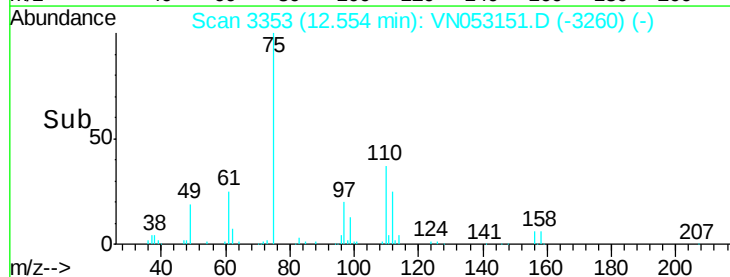
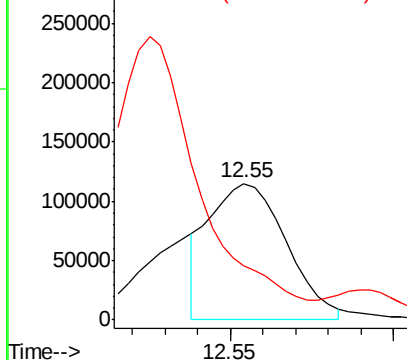
Tgt Ion: 75 Resp: 189018
Ion Ratio Lower Upper

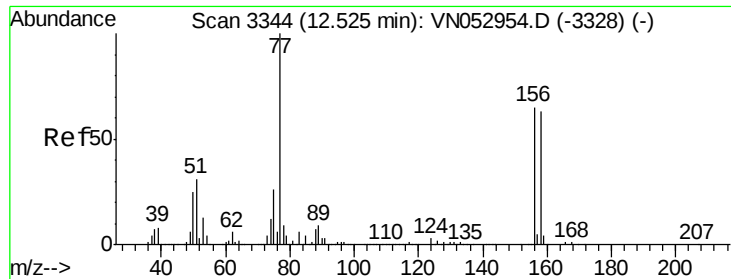
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 21.878 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Instrument :

MSVOA_N

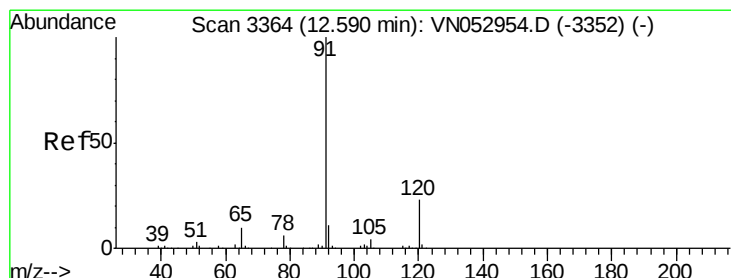
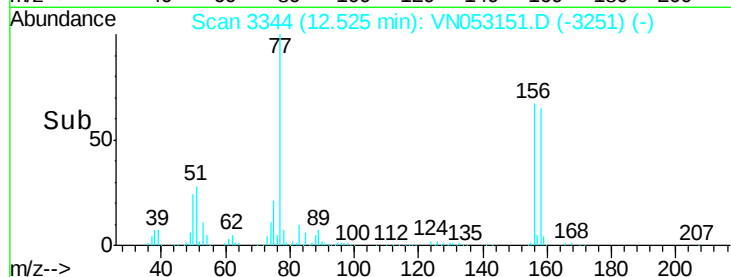
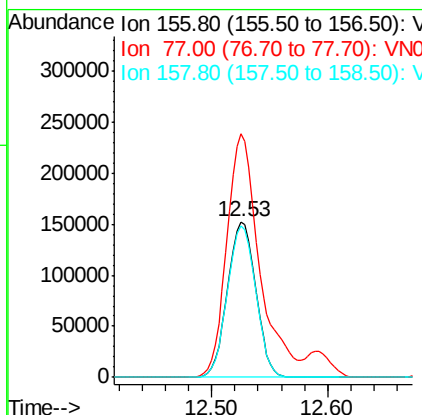
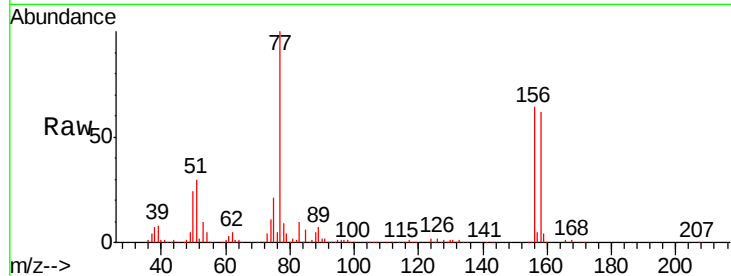
ClientSampleId :

VN1222MBS02

Tgt Ion	Ratio	Lower	Upper
156	100		
77	181.1	91.3	273.8
158	97.8	49.0	147.2

Manual Integrations
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12/24/2018 9:11:04 AM



#78

n-propylbenzene

Concen: 21.186 ug/l

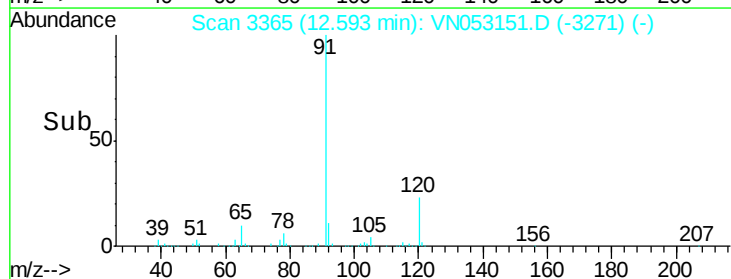
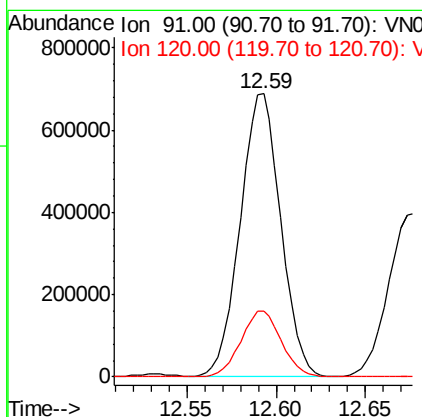
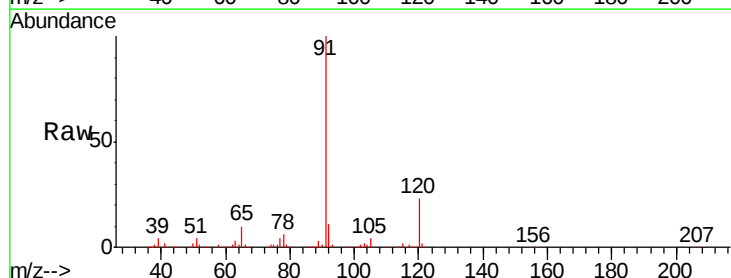
RT: 12.59 min Scan# 3365

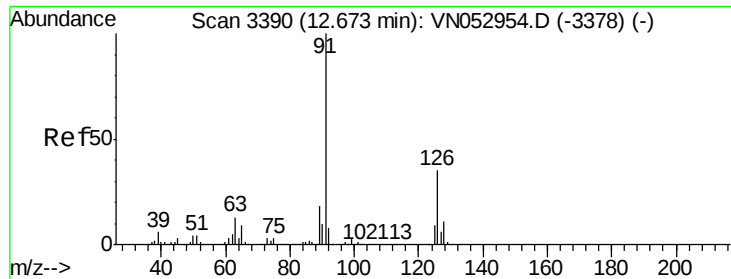
Delta R.T. 0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.5	34.5





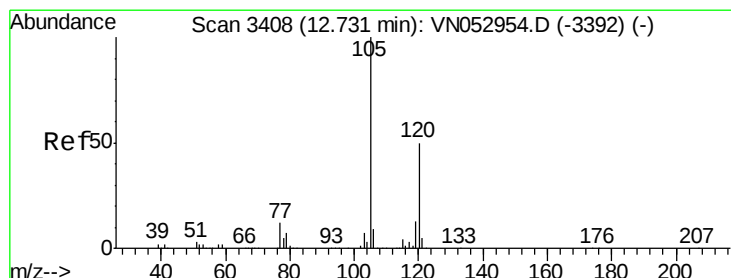
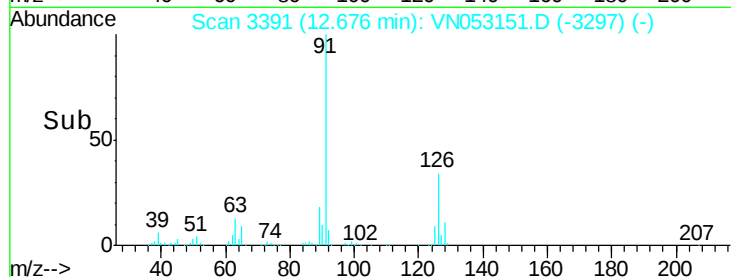
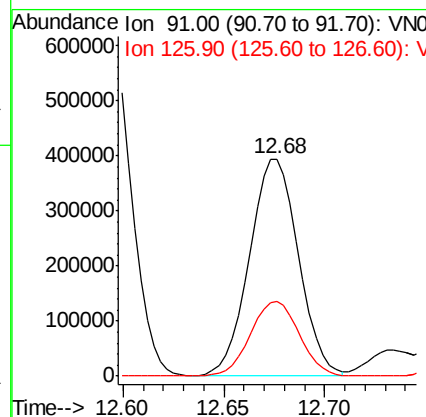
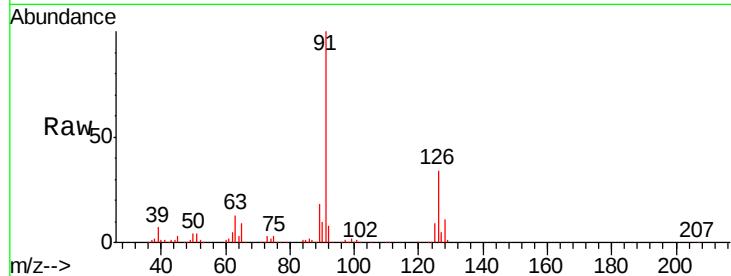
#79
 2-Chlorotoluene
 Concen: 20.908 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBSD02

Tgt Ion: 91 Resp: 667238
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.4 52.3

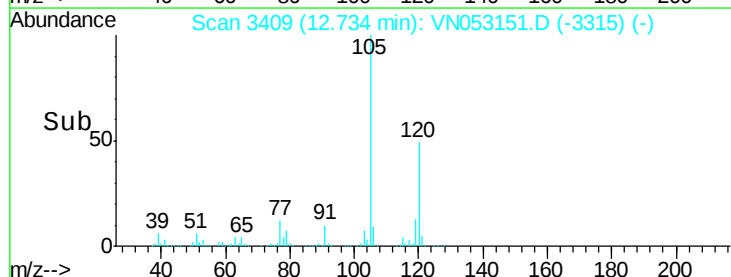
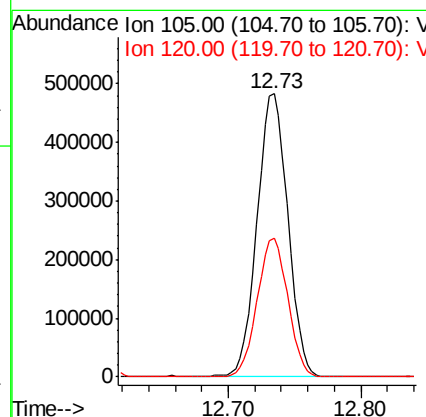
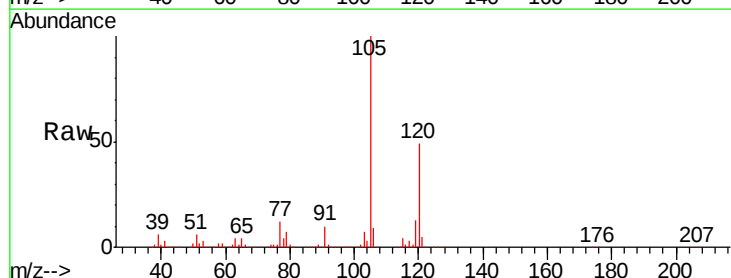
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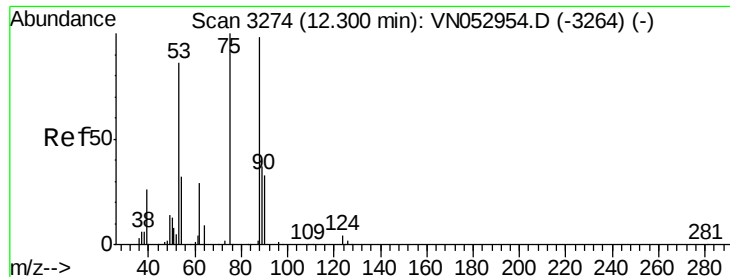
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 12/24/2018 9:11:04 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.105 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Tgt Ion: 105 Resp: 777630
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.4 73.2





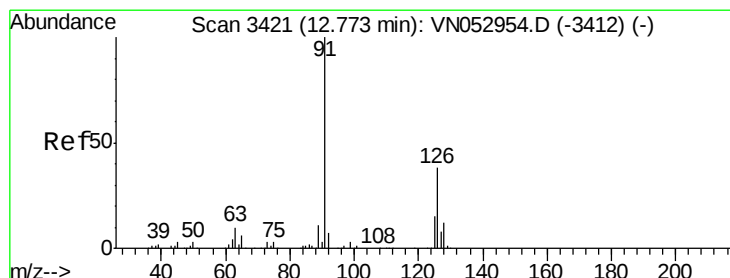
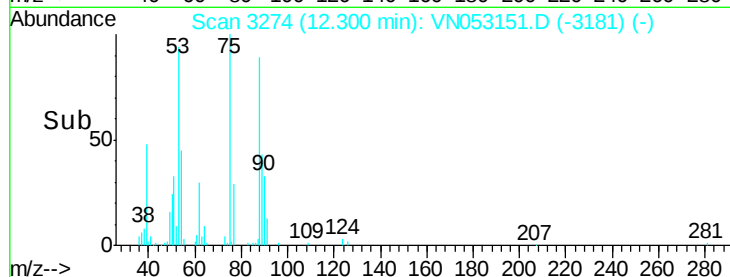
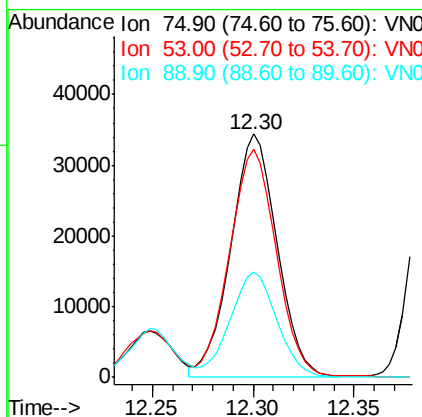
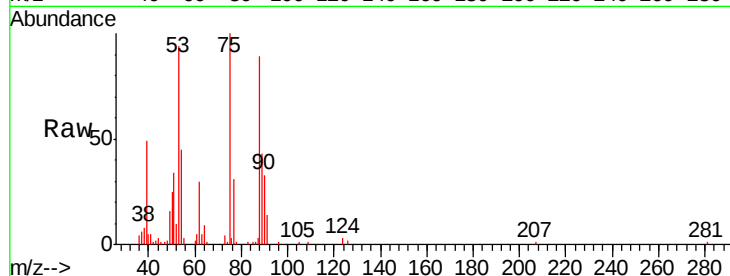
#81
trans-1,4-Dichloro-2-butene
Concen: 18.414 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion	Ratio	Lower	Upper
75	100		
53	93.0	74.7	112.1
89	43.6	36.1	54.1

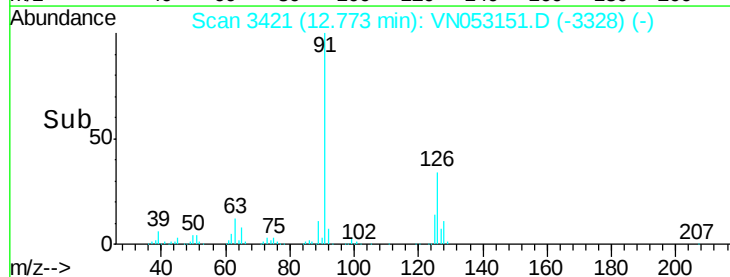
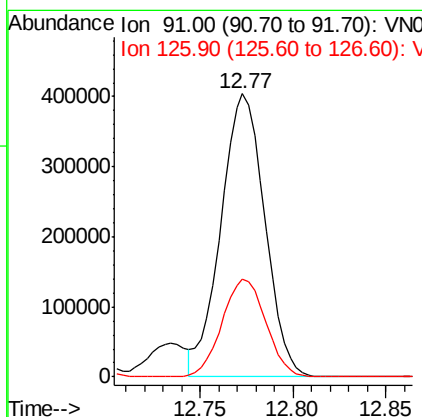
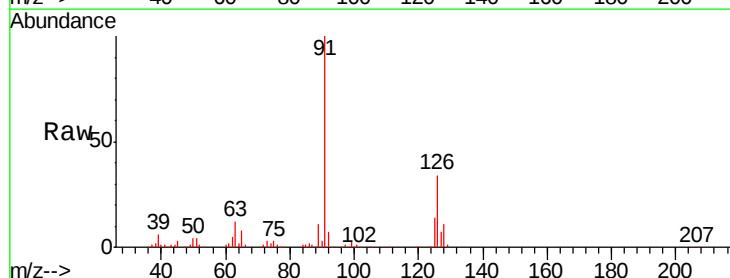
Manual Integrations
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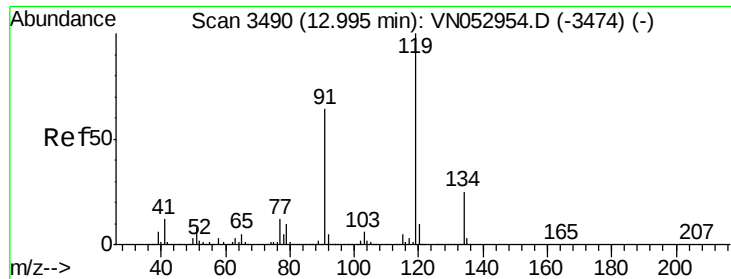
MMDadoda
12/24/2018 9:11:04 AM



#82
4-Chlorotoluene
Concen: 21.180 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.3	51.7





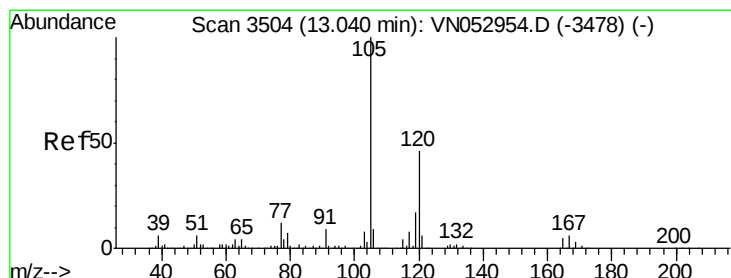
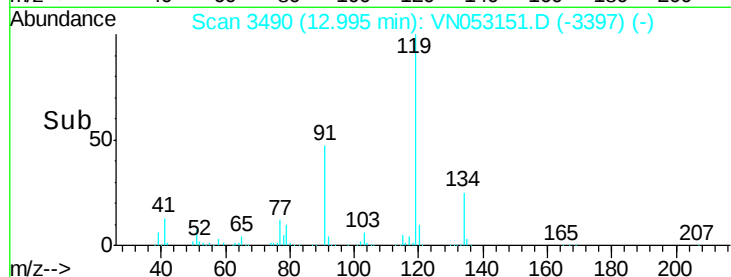
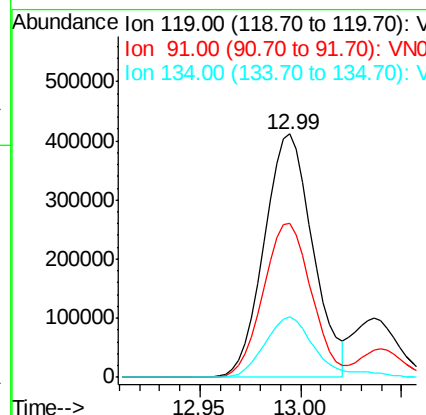
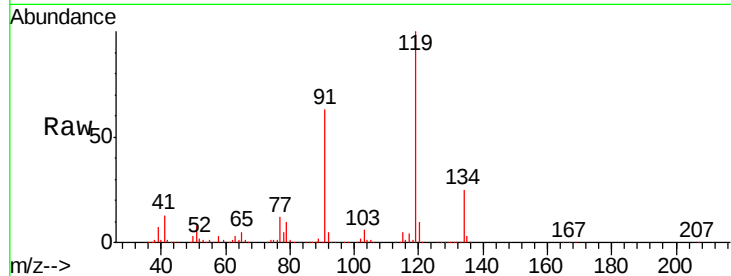
#83
 tert-Butylbenzene
 Concen: 21.202 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	690911		
91	62.6	31.9	95.5	
134	26.1	12.8	38.4	

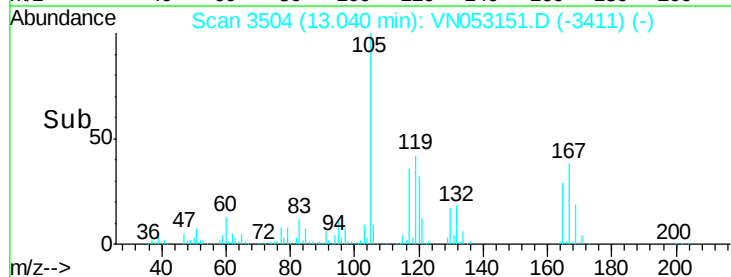
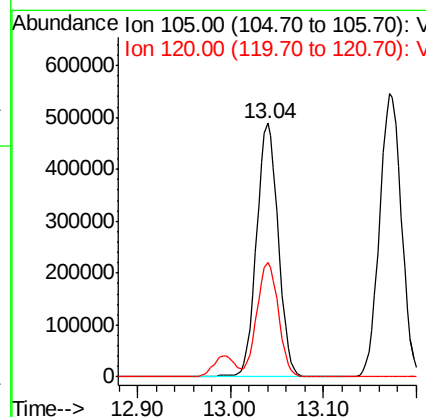
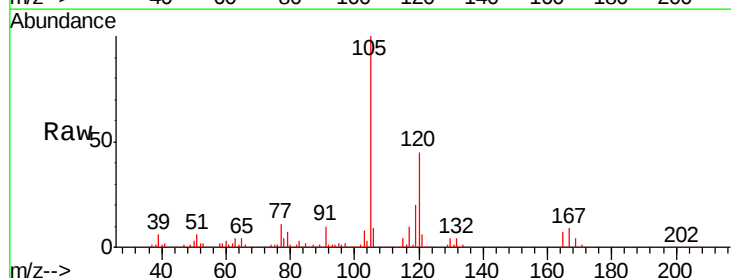
Manual Integrations
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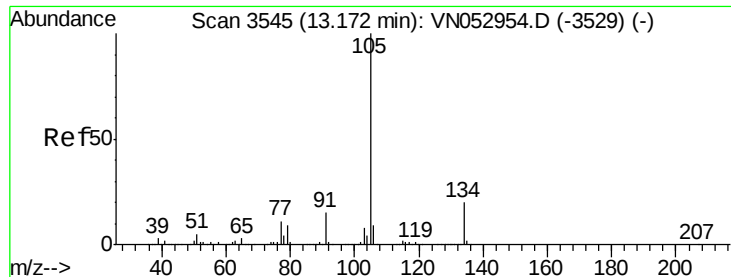
MMDadoda
 12/24/2018 9:11:04 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.297 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	788846		
120	45.2	22.9	68.8	





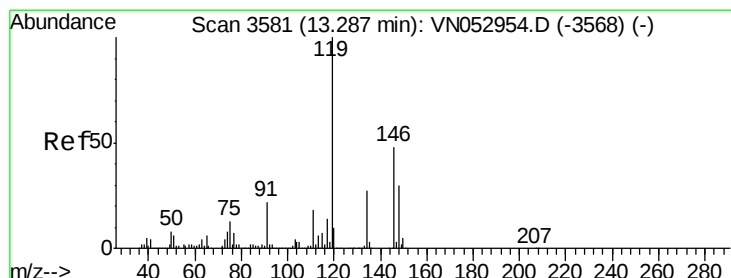
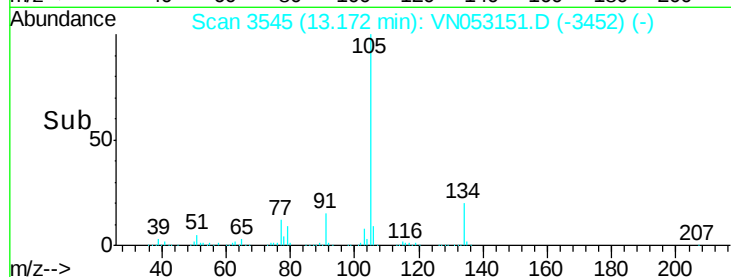
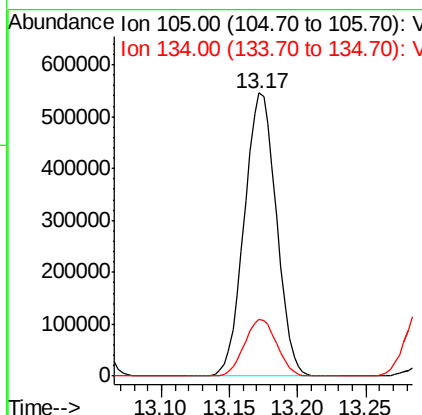
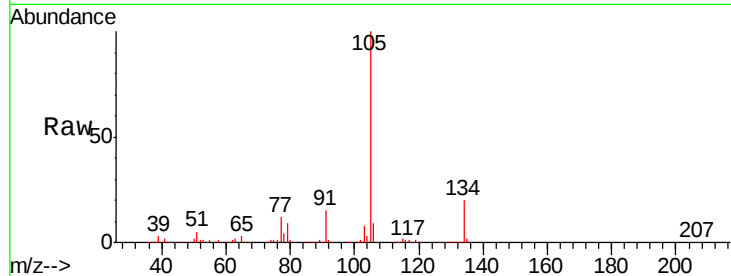
#85
 sec-Butylbenzene
 Concen: 20.177 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBSD02

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.3

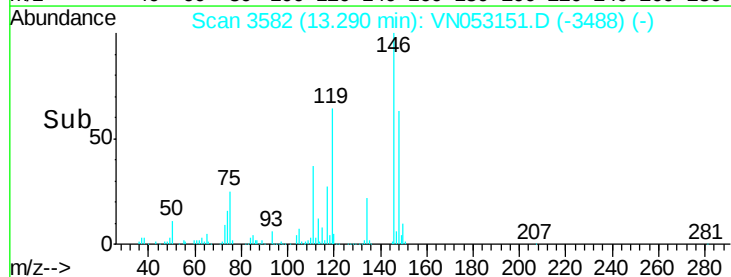
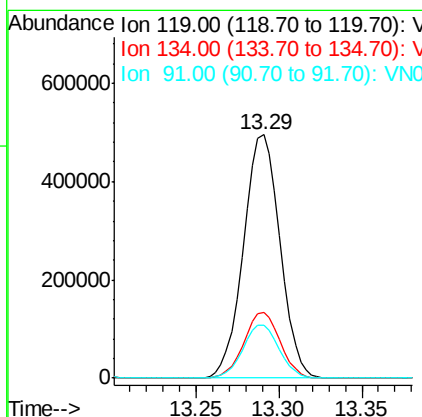
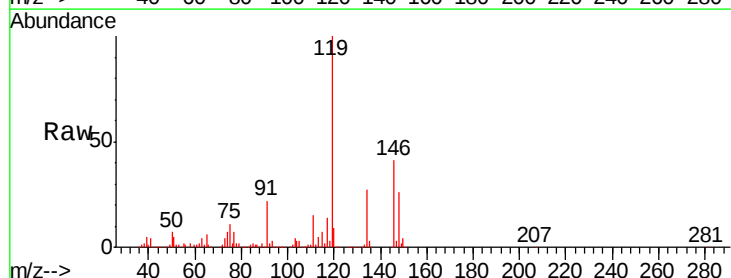
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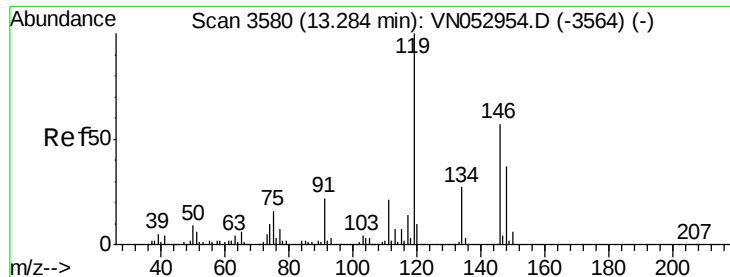
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 12/24/2018 9:11:04 AM



#86
 p-Isopropyltoluene
 Concen: 19.863 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.4	40.2
91	21.7	11.1	33.3





#87

1,3-Dichlorobenzene

Concen: 20.118 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Instrument :

MSVOA_N

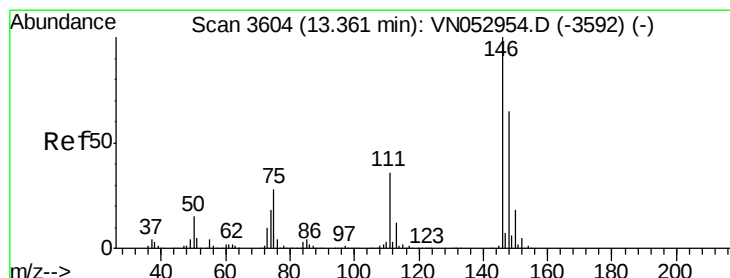
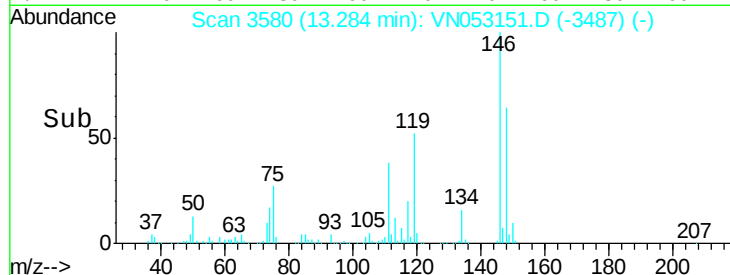
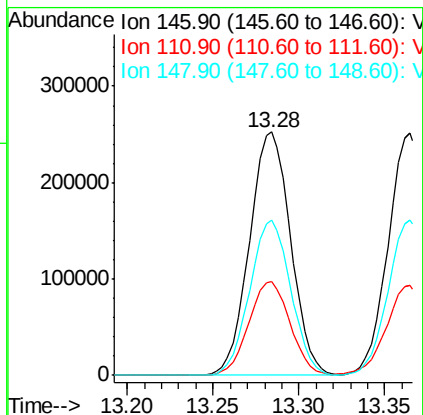
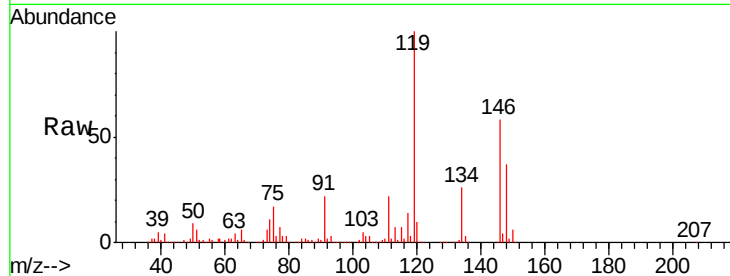
ClientSampleId :

VN1222MBS02

Tgt Ion:	146	Resp:	418412
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.1	57.1
148	63.7	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.538 ug/l

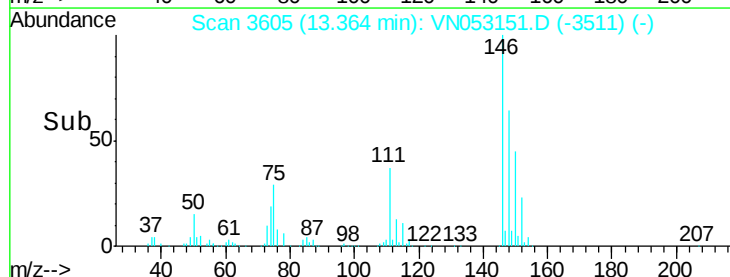
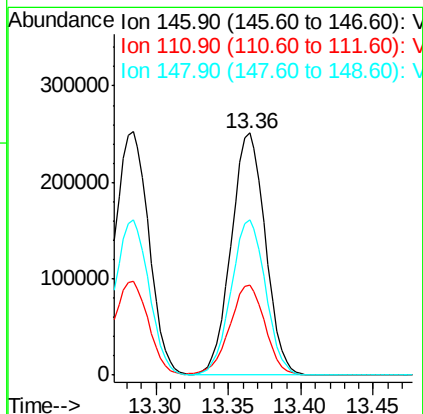
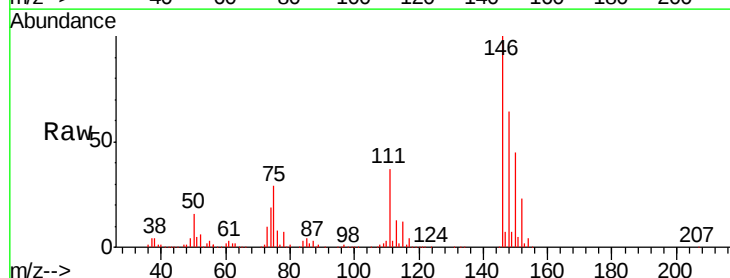
RT: 13.36 min Scan# 3605

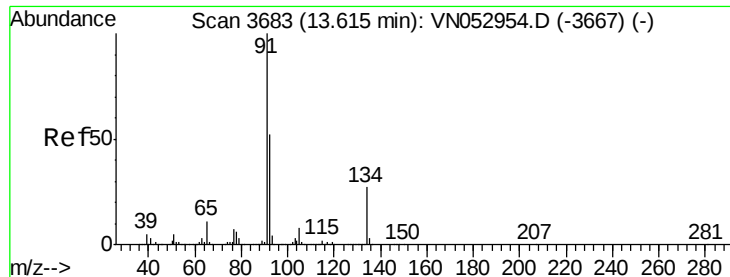
Delta R.T. 0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Tgt Ion:	146	Resp:	411501
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.6	55.8
148	64.6	32.1	96.5





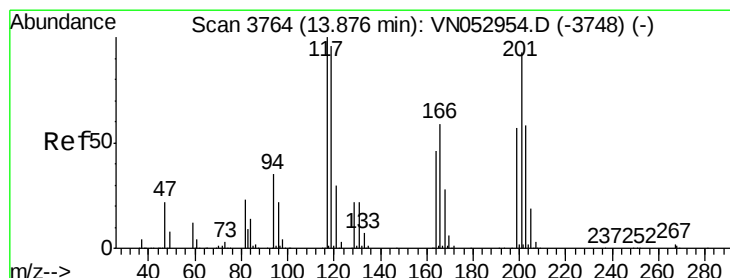
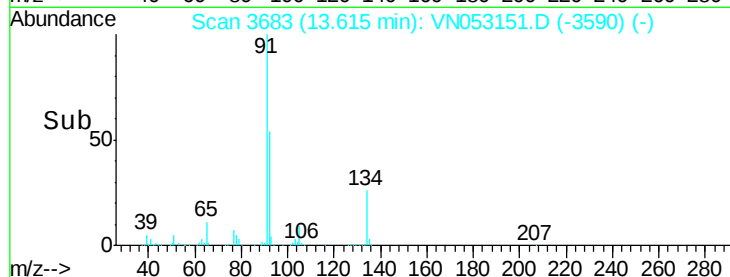
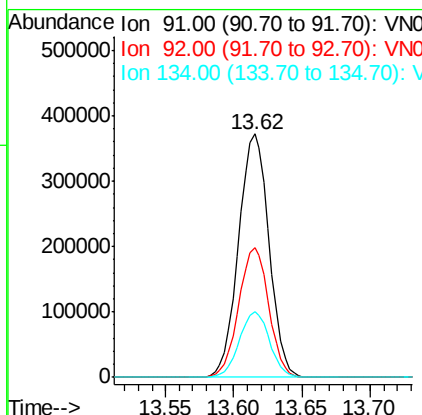
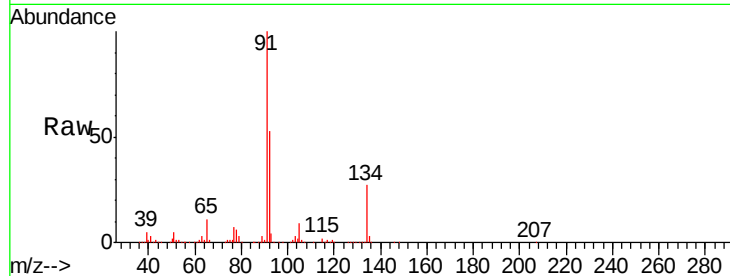
#89
n-Butylbenzene
Concen: 17.620 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.9
134	26.8	13.3	39.8

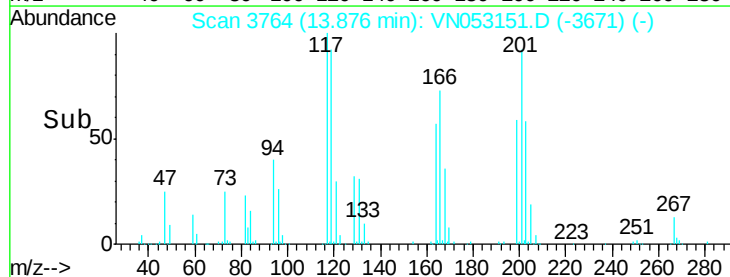
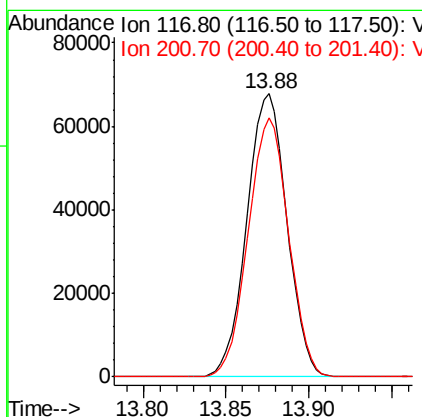
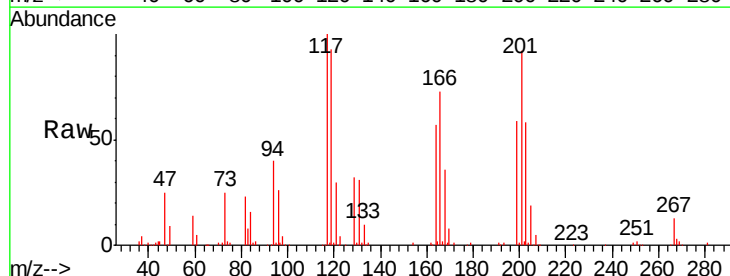
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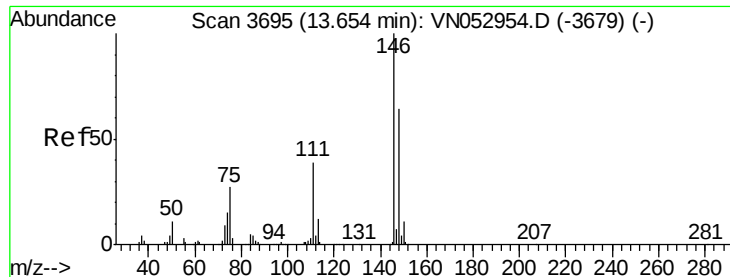
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12/24/2018 9:11:04 AM



#90
Hexachloroethane
Concen: 19.496 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.1	45.7	137.1





#91

1,2-Dichlorobenzene

Concen: 20.225 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Instrument :

MSVOA_N

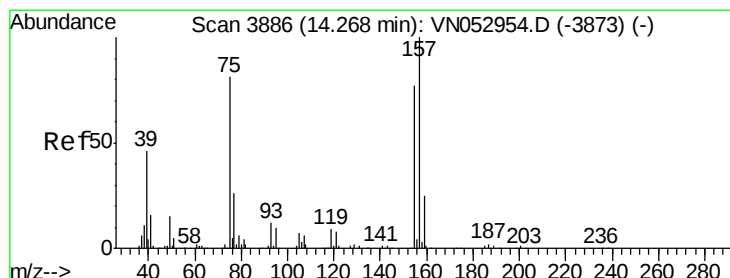
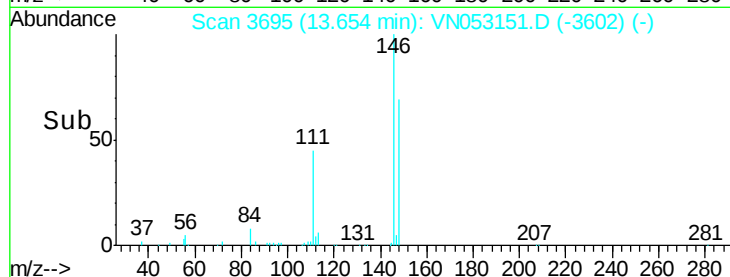
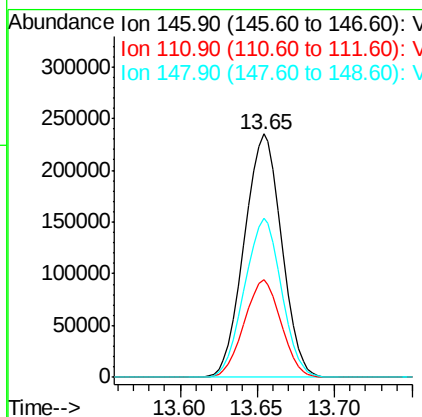
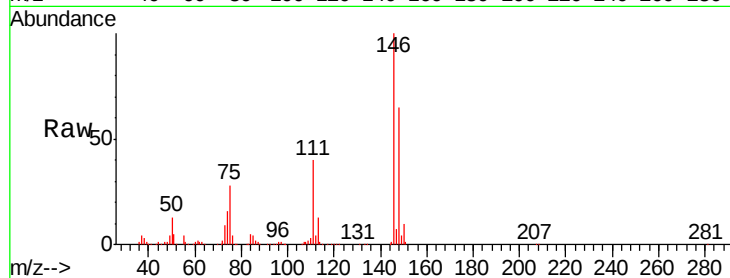
ClientSampleId :

VN1222MBS02

Tgt Ion:	146	Resp:	395870
Ion Ratio	Lower	Upper	
146	100		
111	39.6	19.7	59.0
148	64.8	32.0	96.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.424 ug/l

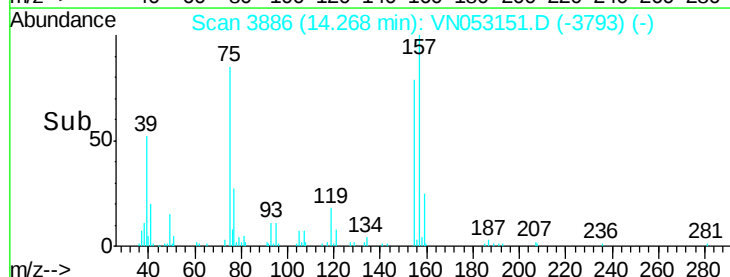
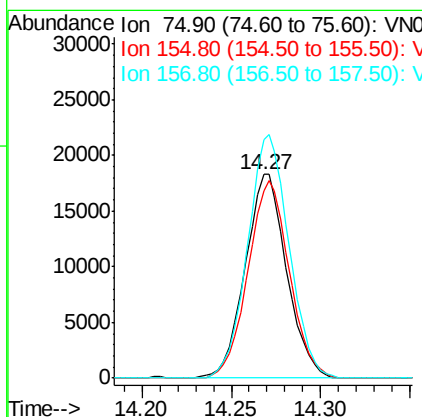
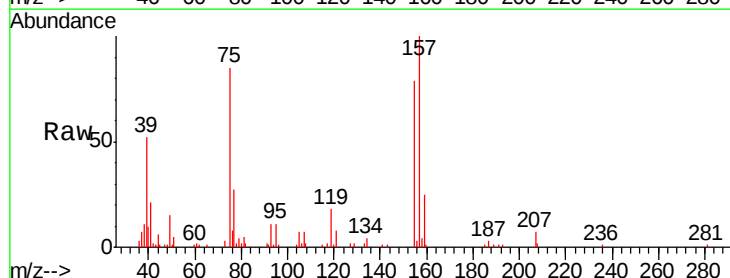
RT: 14.27 min Scan# 3886

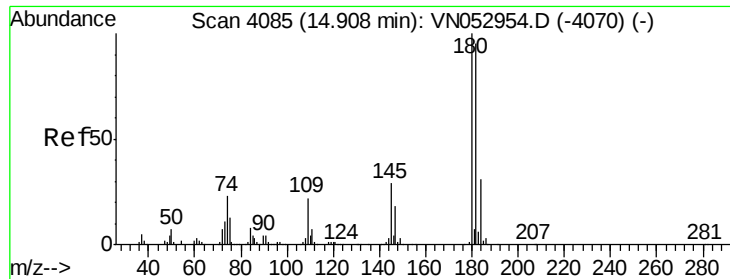
Delta R.T. -0.00 min

Lab File: VN053151.D

Acq: 23 Dec 2018 00:19

Tgt Ion:	75	Resp:	29785
Ion Ratio	Lower	Upper	
75	100		
155	96.5	48.2	144.6
157	119.3	61.2	183.5





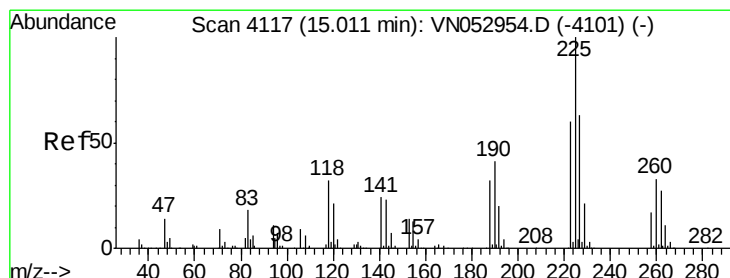
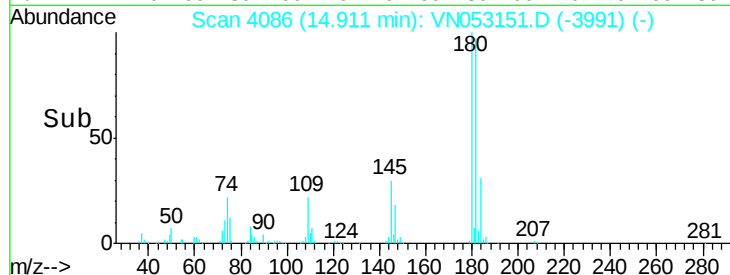
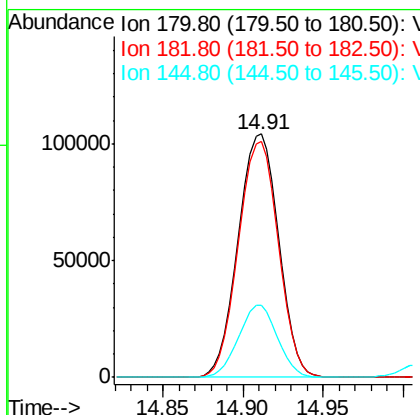
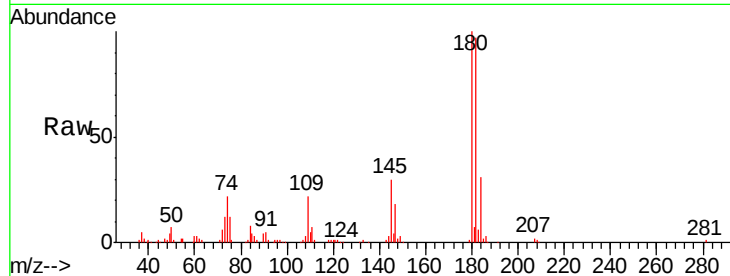
#93
 1,2,4-Trichlorobenzene
 Concen: 17.713 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	179646		
182	95.7	47.8	143.3	
145	28.5	14.2	42.6	

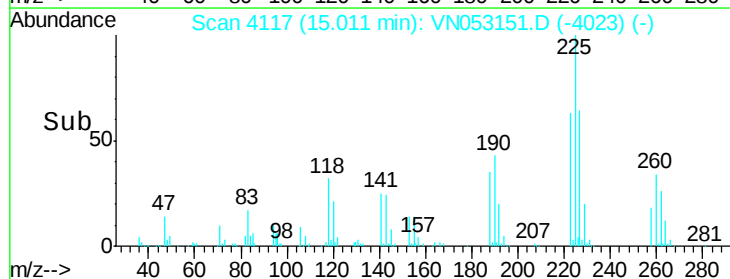
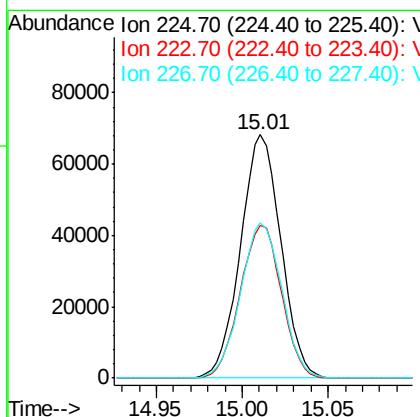
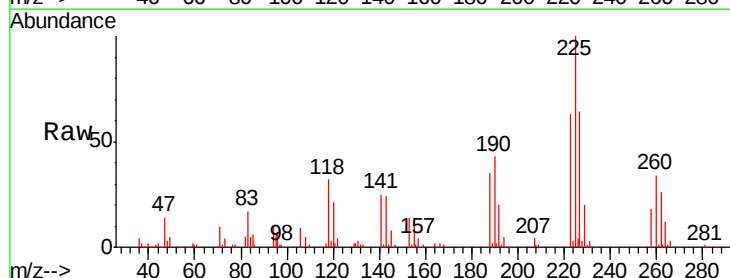
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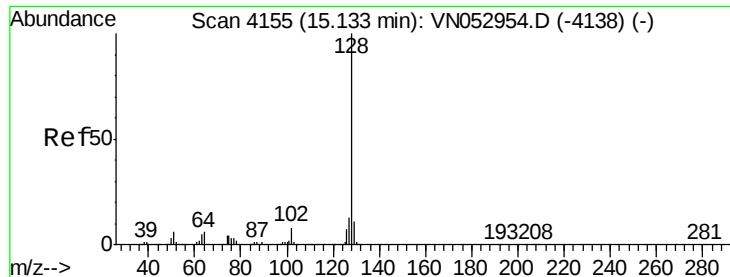
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#94
 Hexachlorobutadiene
 Concen: 18.911 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053151.D
 Acq: 23 Dec 2018 00:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	111127		
223	64.0	31.5	94.5	
227	65.0	31.9	95.7	





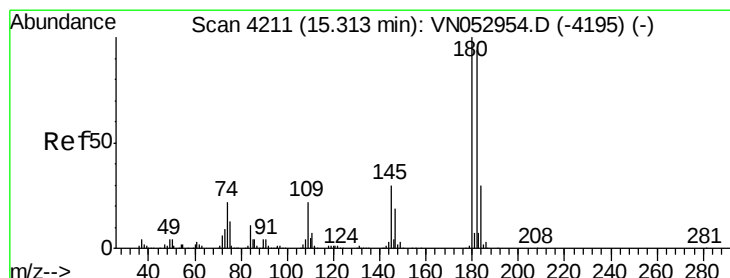
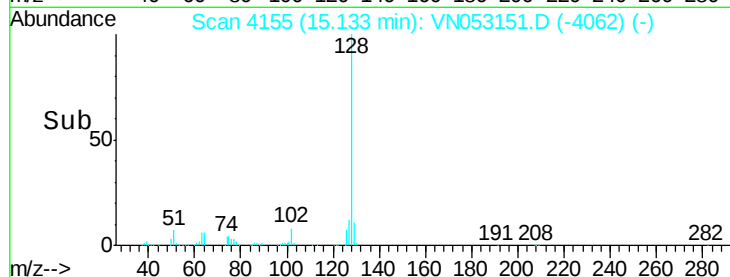
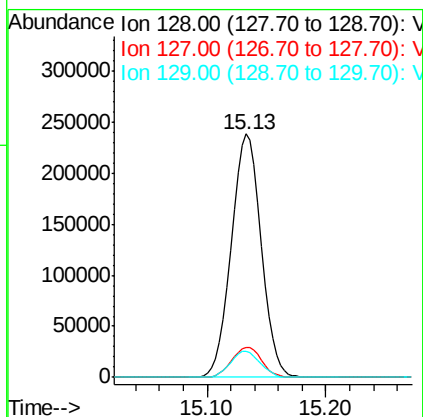
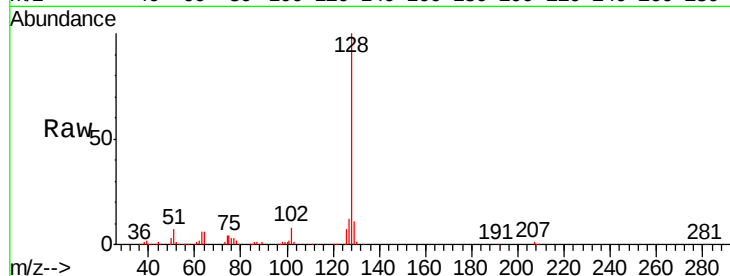
#95
Naphthalene
Concen: 18.962 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	10.7	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.159 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053151.D
Acq: 23 Dec 2018 00:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.7
145	29.5	15.0	45.0

