

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121918\
 Data File : VN053026.D
 Acq On : 19 Dec 2018 22:50
 Operator : MD\SY
 Sample : VN1219MBS02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 33 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS02

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 4:58:40 PM

Quant Time: Dec 20 06:53:59 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	1072366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1663781	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1467721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	664715	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	567976	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
35) Dibromofluoromethane	7.59	113	451464	59.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.80%	
50) Toluene-d8	10.09	98	2085579	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.40	95	714272	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	208890	19.247	ug/l	100
3) Chloromethane	2.06	50	261859	19.911	ug/l	99
4) Vinyl Chloride	2.19	62	263320	19.769	ug/l	99
5) Bromomethane	2.58	94	177891	19.277	ug/l	99
6) Chloroethane	2.71	64	156230	19.805	ug/l	97
7) Trichlorofluoromethane	3.03	101	332604	20.045	ug/l	97
8) Diethyl Ether	3.41	74	126998	20.288	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	205550	19.429	ug/l	98
10) Methyl Iodide	3.96	142	290261	19.537	ug/l	100
11) Tert butyl alcohol	4.77	59	62928	94.770	ug/l	100
12) 1,1-Dichloroethene	3.74	96	201901	19.753	ug/l	99
13) Acrolein	3.61	56	64600	107.294	ug/l	99
14) Allyl chloride	4.33	41	326430	20.618	ug/l	96
15) Acrylonitrile	4.99	53	362878	98.371	ug/l	100
16) Acetone	3.82	43	220182	103.192	ug/l	96
17) Carbon Disulfide	4.06	76	574728	17.242	ug/l	99
18) Methyl Acetate	4.33	43	184663	19.682	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	558457	20.417	ug/l	99
20) Methylene Chloride	4.56	84	236542	20.323	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	212997	19.396	ug/l	100
22) Diisopropyl ether	5.95	45	708622	20.969	ug/l	97
23) Vinyl Acetate	5.90	43	2024922	104.203	ug/l	99
24) 1,1-Dichloroethane	5.85	63	408938	20.364	ug/l	99
25) 2-Butanone	6.83	43	369590	103.212	ug/l	98
26) 2,2-Dichloropropane	6.83	77	262421	17.119	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	250412	20.142	ug/l	98
28) Bromochloromethane	7.20	49	181520	20.861	ug/l	96
29) Tetrahydrofuran	7.21	42	263424	98.496	ug/l	97
30) Chloroform	7.37	83	399453	20.249	ug/l	99
31) Cyclohexane	7.66	56	384594	19.785	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	331821	19.746	ug/l	99
36) 1,1-Dichloropropene	7.79	75	311767	19.523	ug/l	99
37) Ethyl Acetate	6.93	43	175961	19.738	ug/l	98
38) Carbon Tetrachloride	7.78	117	282497	19.300	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	358863	18.498	ug/l	97
40) Benzene	8.04	78	946687	19.930	ug/l	100
41) Methacrylonitrile	7.17	41	104669	20.320	ug/l	93
42) 1,2-Dichloroethane	8.13	62	277544	19.779	ug/l	98
43) Isopropyl Acetate	8.16	43	342490	19.209	ug/l	99
44) Trichloroethene	8.83	130	264945	19.284	ug/l	96
45) 1,2-Dichloropropane	9.12	63	248839	20.112	ug/l	99
46) Dibromomethane	9.21	93	140712	19.523	ug/l	98
47) Bromodichloromethane	9.40	83	300478	19.612	ug/l	99
48) Methyl methacrylate	9.20	41	167919	19.411	ug/l	99
49) 1,4-Dioxane	9.20	88	40351	368.743	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	862562	99.910	ug/l	99
52) Toluene	10.16	92	581285	19.743	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	298568	18.532	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	351645	19.016	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	203056	19.769	ug/l	99
56) Ethyl methacrylate	10.43	69	265978	19.564	ug/l	97
57) 1,3-Dichloropropane	10.71	76	351573	19.960	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	751847	100.733	ug/l	98
59) 2-Hexanone	10.75	43	574518	98.356	ug/l	99
60) Dibromochloromethane	10.90	129	224301	19.077	ug/l	99
61) 1,2-Dibromoethane	11.01	107	201099	19.278	ug/l	99
64) Tetrachloroethene	10.63	164	295730	18.601	ug/l	99
65) Chlorobenzene	11.43	112	645185	19.830	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	226904	20.055	ug/l	99
67) Ethyl Benzene	11.51	91	1099089	19.643	ug/l	98
68) m/p-Xylenes	11.62	106	832796	39.153	ug/l	100
69) o-Xylene	11.95	106	409412	20.059	ug/l	99
70) Styrene	11.96	104	655661	19.700	ug/l	99
71) Bromoform	12.13	173	146716	17.950	ug/l #	98
73) Isopropylbenzene	12.25	105	1071185	20.596	ug/l	99
74) N-amyl acetate	12.07	43	295282	20.450	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	223203	21.876	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	198836m	17.769	ug/l	
77) Bromobenzene	12.53	156	276006	20.416	ug/l	98
78) n-propylbenzene	12.59	91	1189687	20.085	ug/l	99
79) 2-Chlorotoluene	12.67	91	714906	19.472	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	845293	19.940	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	61173	17.620	ug/l	100
82) 4-Chlorotoluene	12.77	91	726146	20.204	ug/l	100
83) tert-Butylbenzene	12.99	119	751396	20.042	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	855097	20.066	ug/l	100
85) sec-Butylbenzene	13.17	105	981082	19.347	ug/l	100
86) p-Isopropyltoluene	13.29	119	843376	19.247	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	470059	19.645	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	462890	19.103	ug/l	98
89) n-Butylbenzene	13.62	91	668897	17.744	ug/l	100
90) Hexachloroethane	13.88	117	125544	18.670	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	449064	19.941	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33297	18.874	ug/l	99

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	214787	18.384	ug/l	99
94) Hexachlorobutadiene	15.01	225	133208	19.831	ug/l	98
95) Naphthalene	15.13	128	445378	17.797	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	192297	18.225	ug/l	99

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

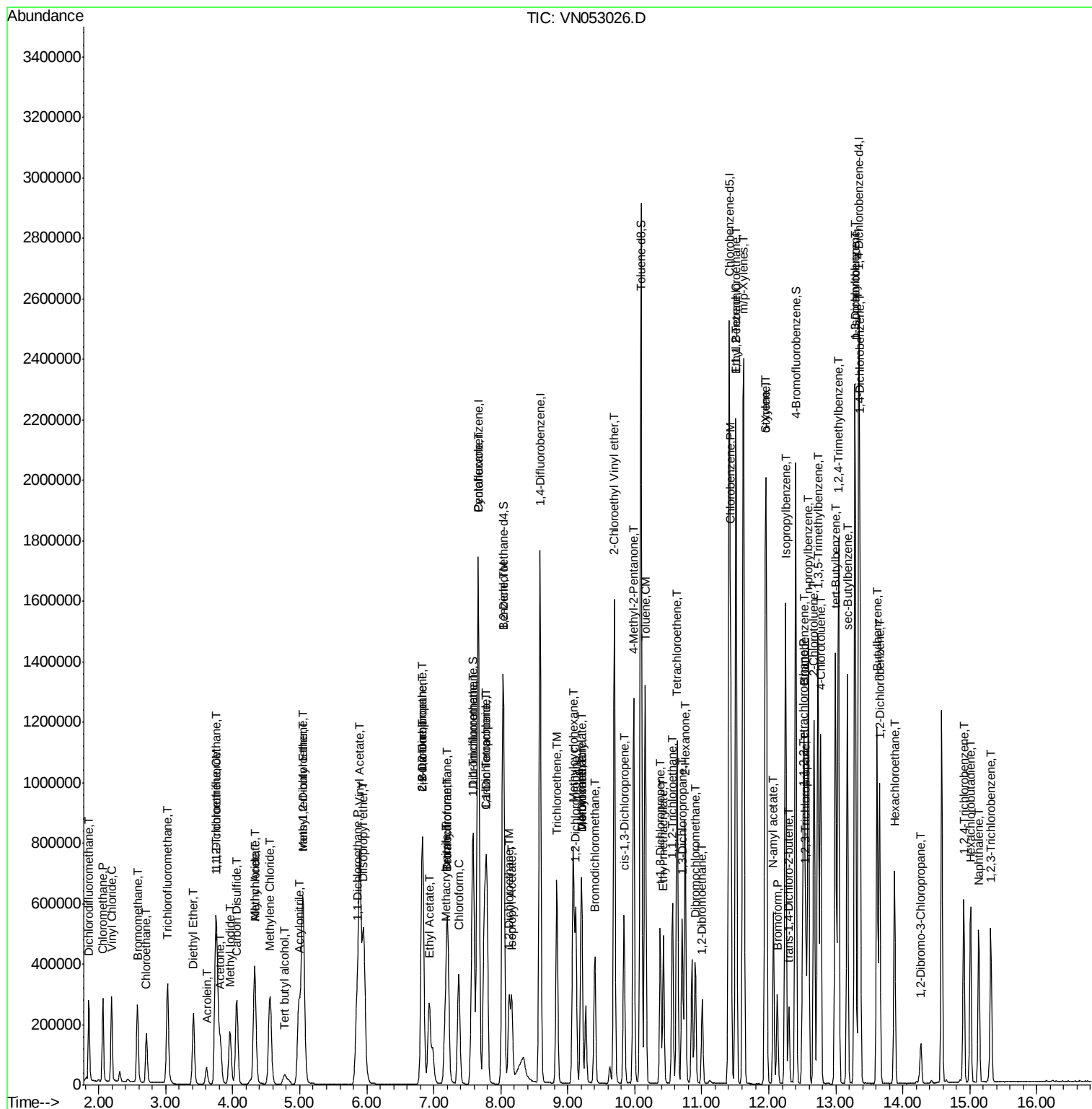
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121918\
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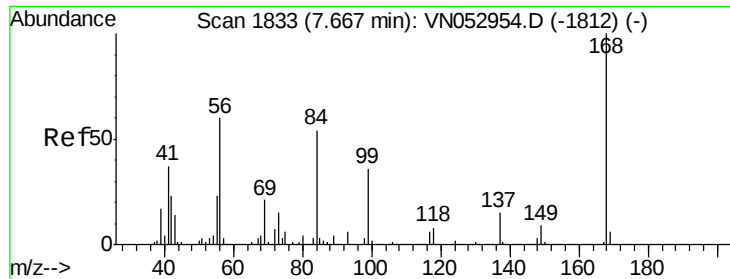
Instrument :
MSVOA_N
Client Sample Id :
VN1219MBS02

Manual Integrations
APPROVED

MMDadoda
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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: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

Tgt Ion:168 Resp: 1072366

Ion Ratio Lower Upper

168 100

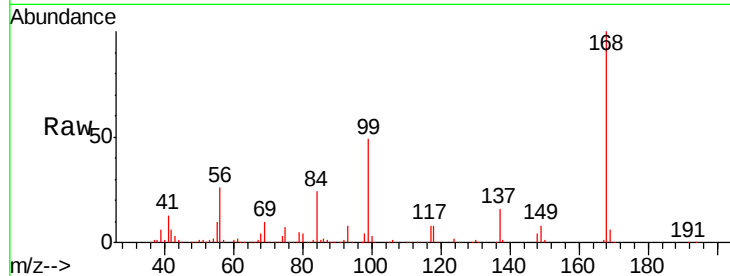
99 49.4 40.2 60.2

Manual Integrations

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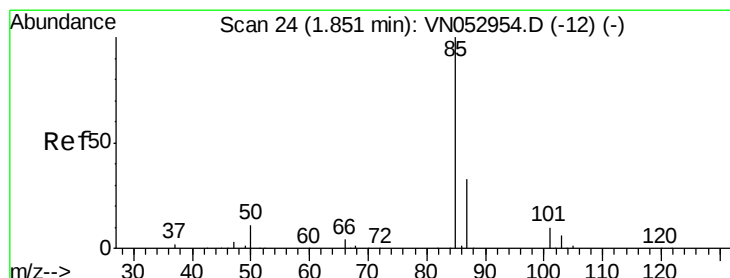
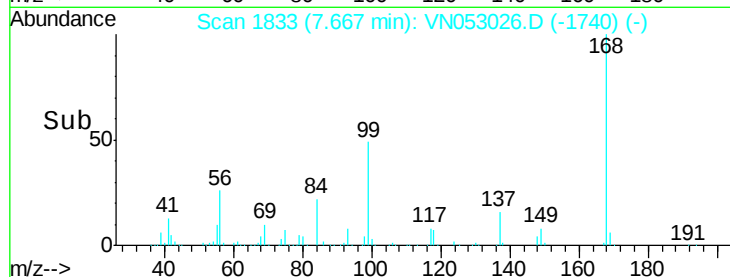
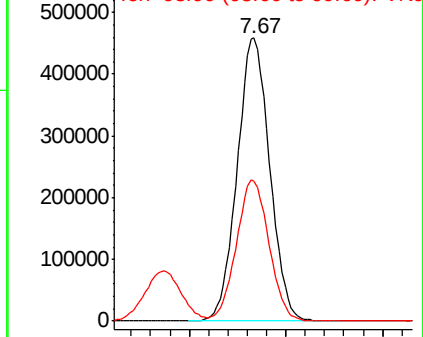
MMDadoda

12/20/2018 4:58:40 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.247 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053026.D

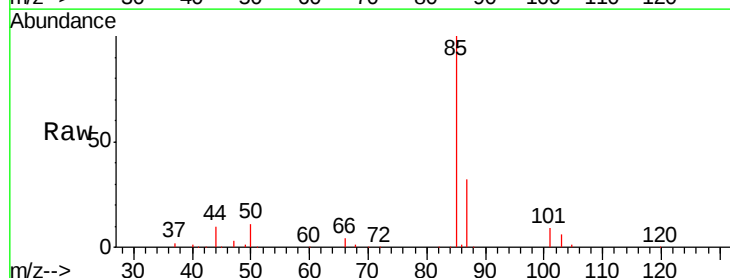
Acq: 19 Dec 2018 22:50

Tgt Ion: 85 Resp: 208890

Ion Ratio Lower Upper

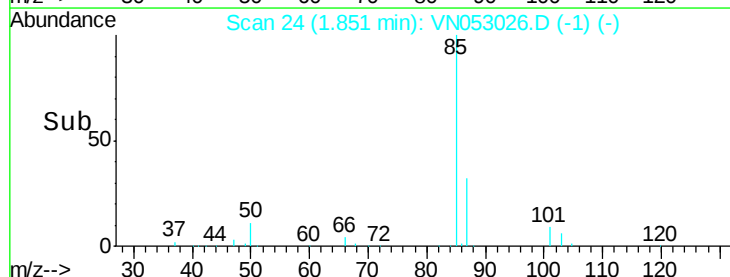
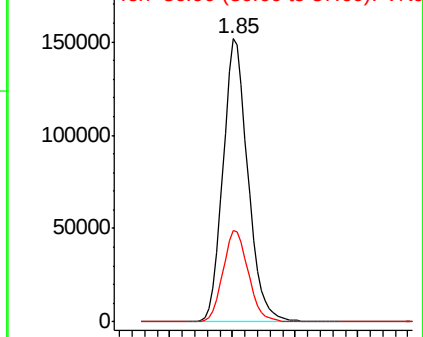
85 100

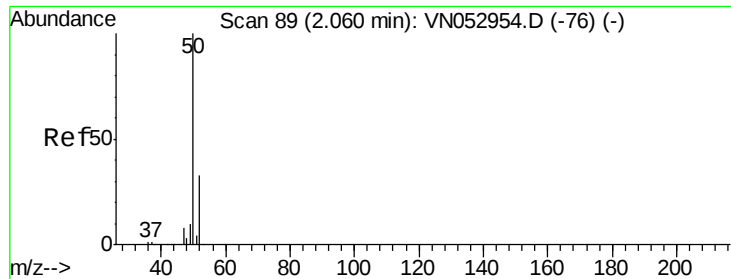
87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.911 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

Tgt Ion: 50 Resp: 261859

Ion Ratio Lower Upper

50 100

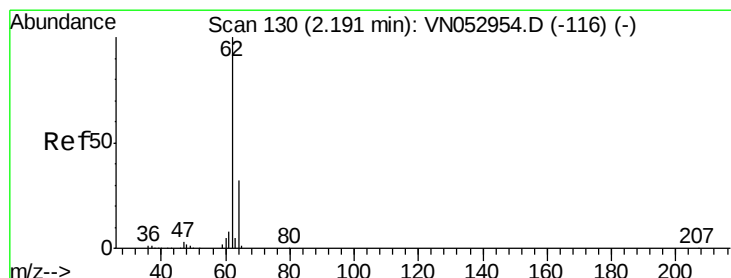
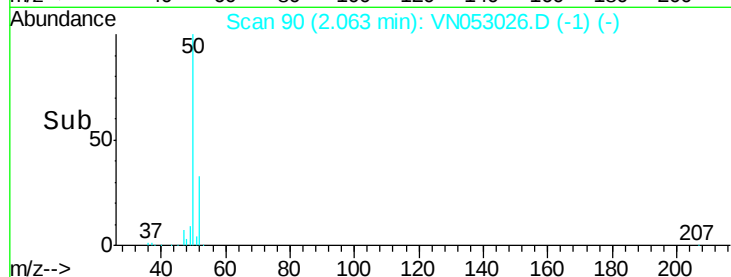
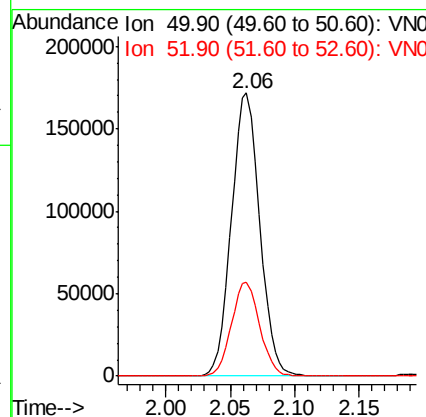
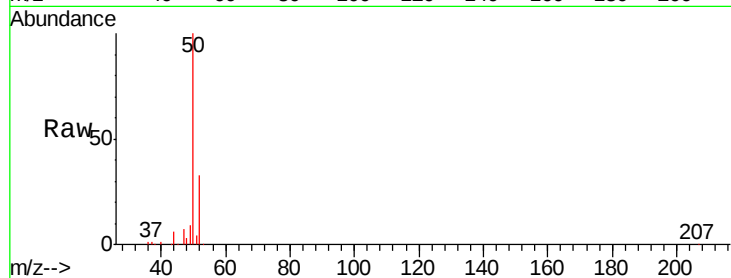
52 33.2 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.769 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053026.D

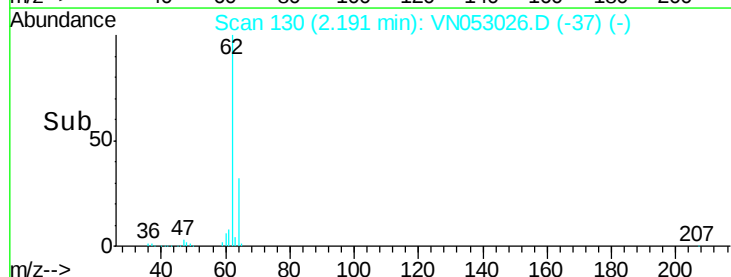
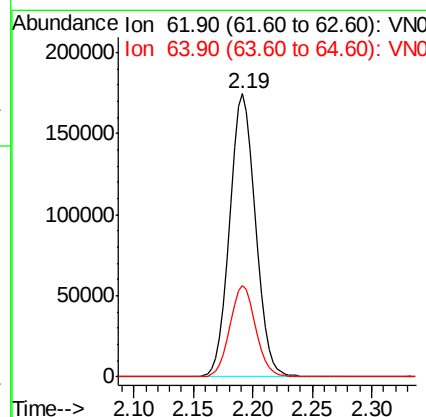
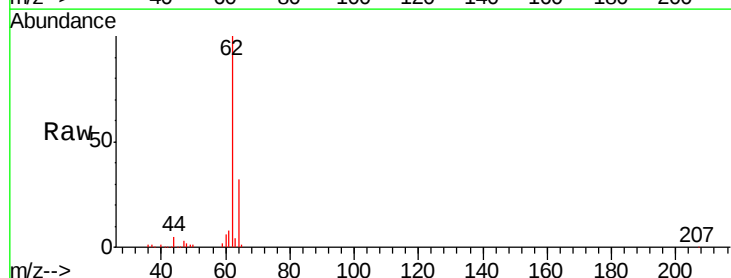
Acq: 19 Dec 2018 22:50

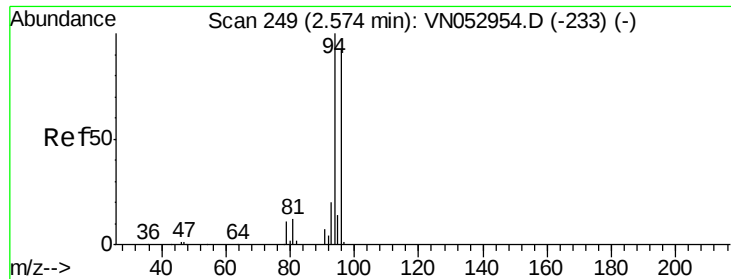
Tgt Ion: 62 Resp: 263320

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 19.277 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

Tgt Ion: 94 Resp: 177891

Ion Ratio Lower Upper

94 100

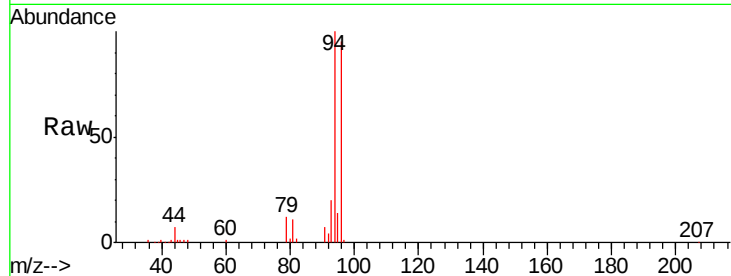
96 95.1 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

100000

80000

60000

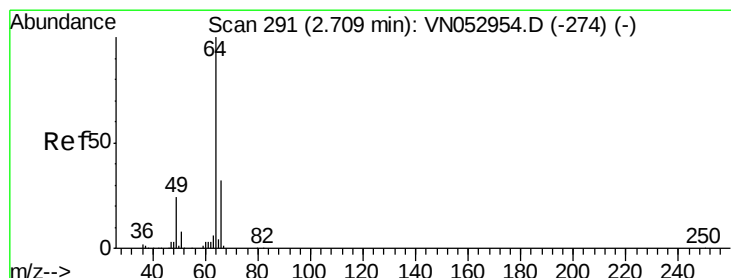
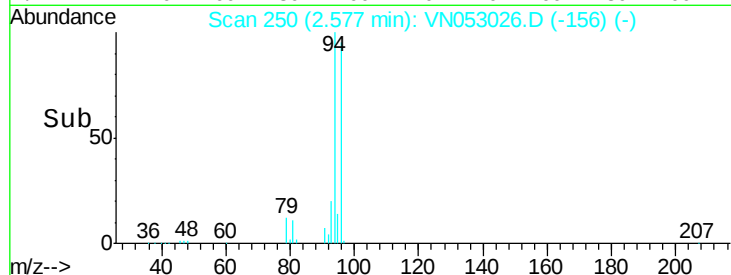
40000

20000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 19.805 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053026.D

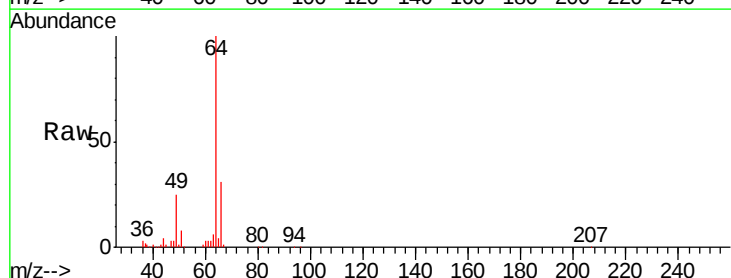
Acq: 19 Dec 2018 22:50

Tgt Ion: 64 Resp: 156230

Ion Ratio Lower Upper

64 100

66 31.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

80000

60000

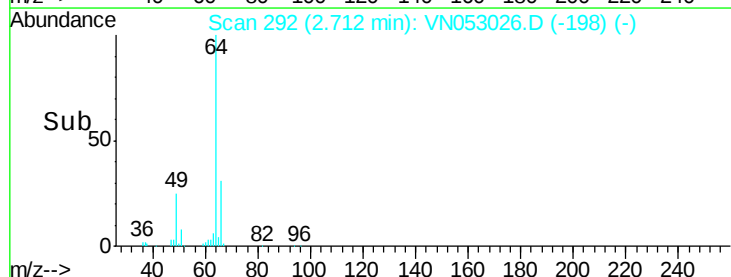
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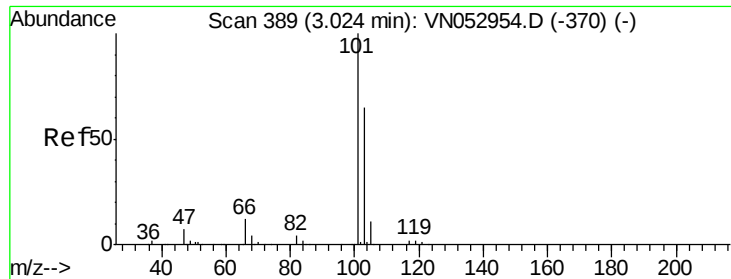
20000

0

2.60 2.70 2.80

Time-->





#7

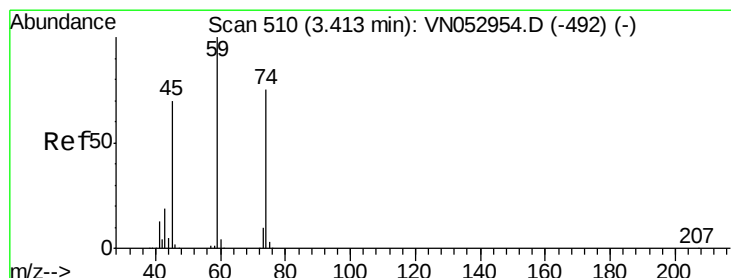
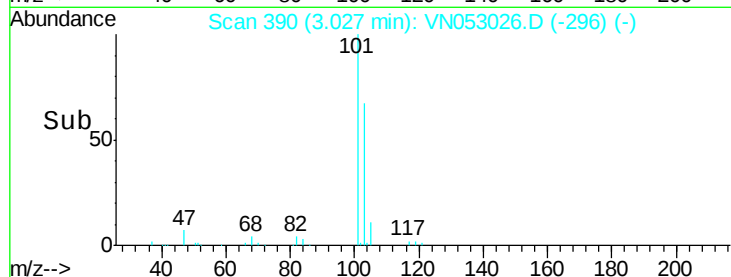
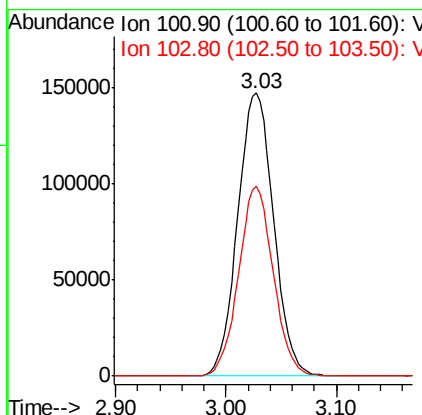
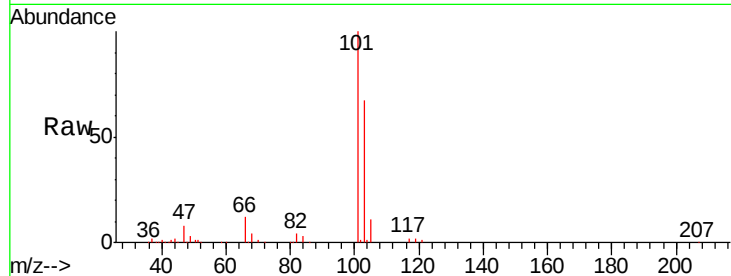
Trichlorofluoromethane
 Concen: 20.045 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Instrument :
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 ClientSampleId :
 VN1219MBS02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.9	51.8	77.6

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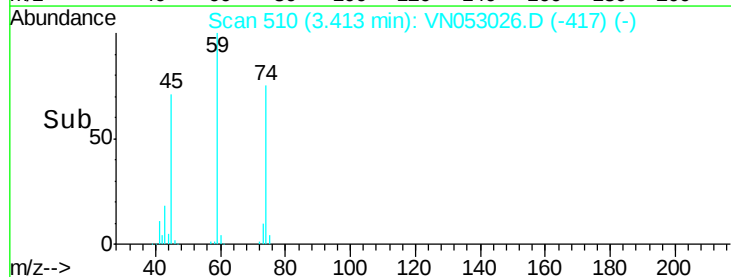
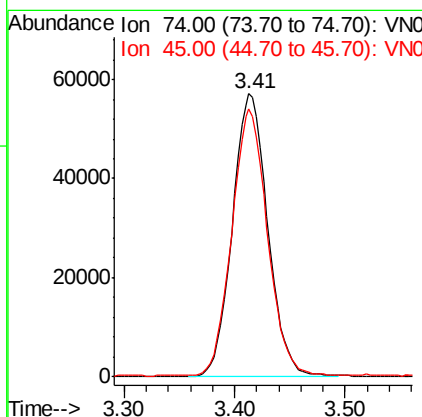
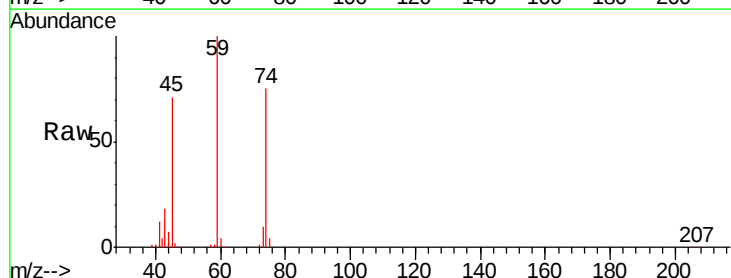
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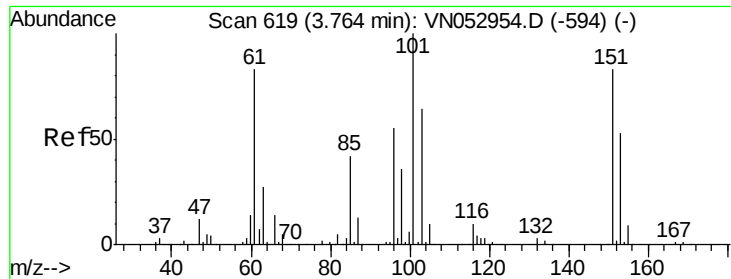


#8

Diethyl Ether
 Concen: 20.288 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.6	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.429 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

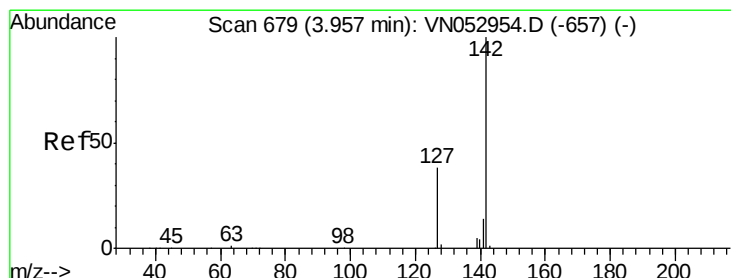
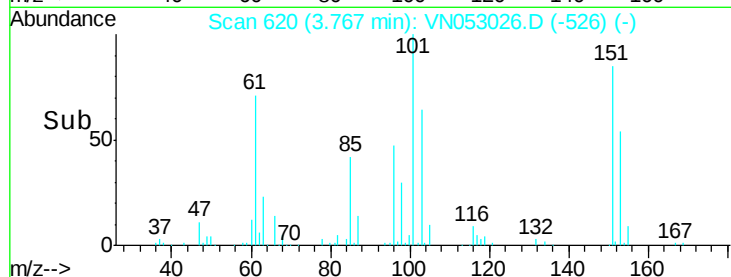
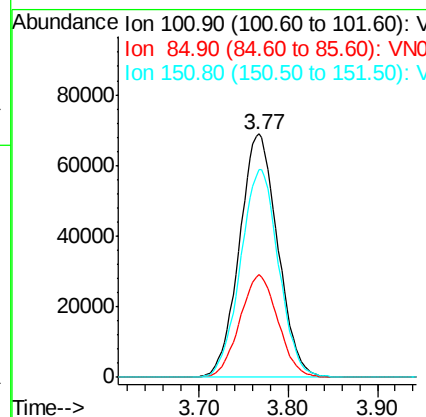
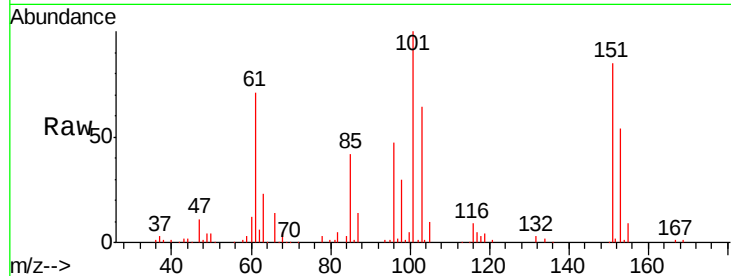
ClientSampleId :

VN1219MBS02

Tgt	Ion	101	Resp:	205550
Ion	Ratio	Lower	Upper	
101	100			
85	41.9	33.6	50.4	
151	85.2	65.5	98.3	

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#10

Methyl Iodide

Concen: 19.537 ug/l

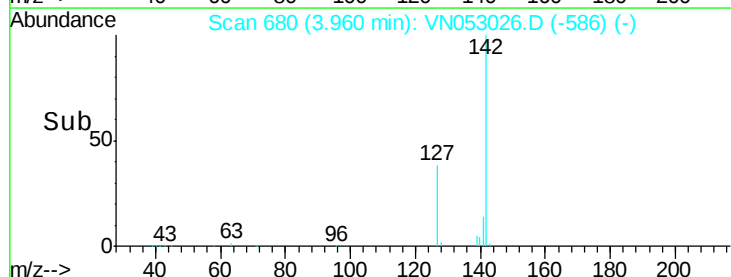
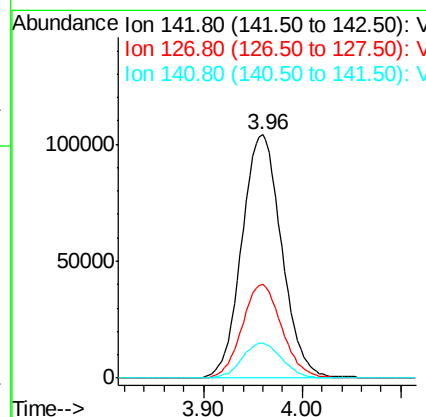
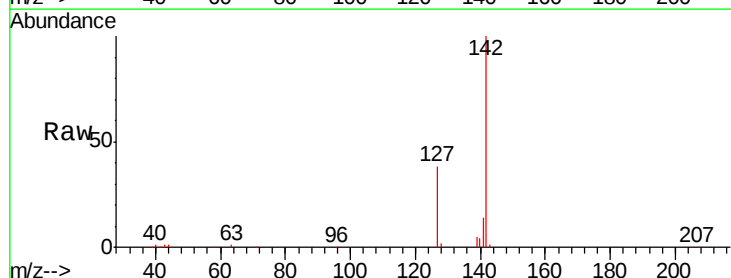
RT: 3.96 min Scan# 680

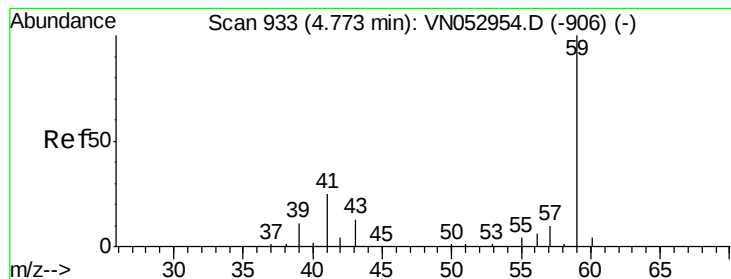
Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Tgt	Ion	142	Resp:	290261
Ion	Ratio	Lower	Upper	
142	100			
127	38.6	31.0	46.6	
141	14.4	11.2	16.8	





#11

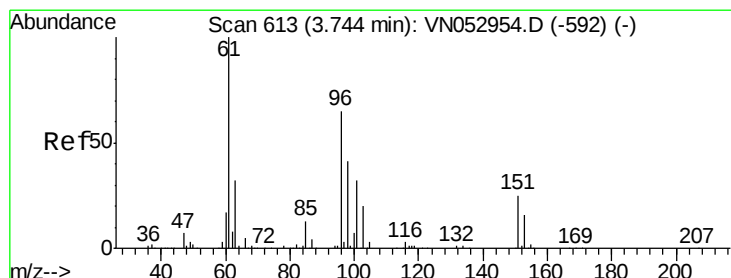
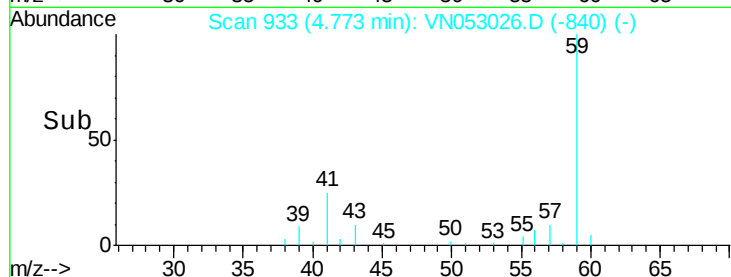
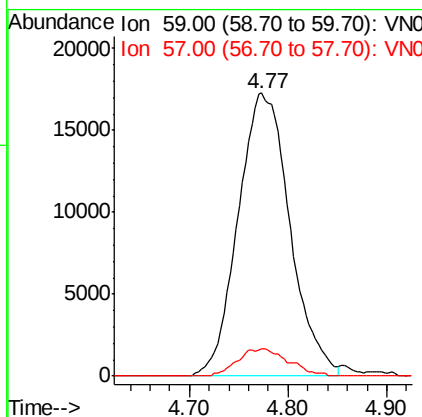
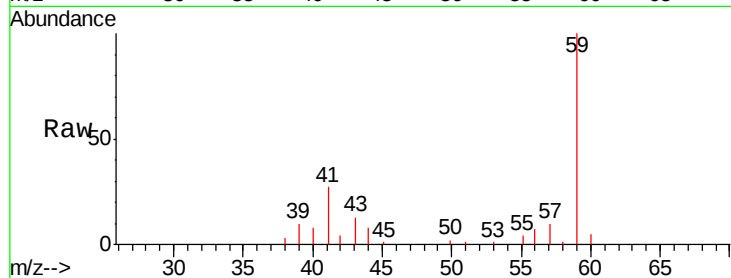
Tert butyl alcohol
 Concen: 94.770 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.7	11.5

Manual Integrations
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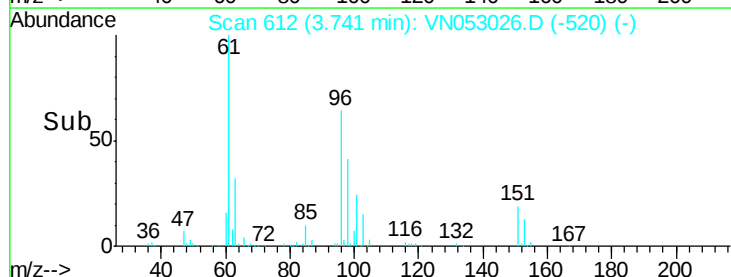
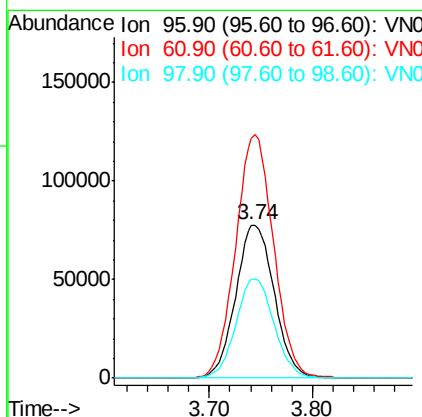
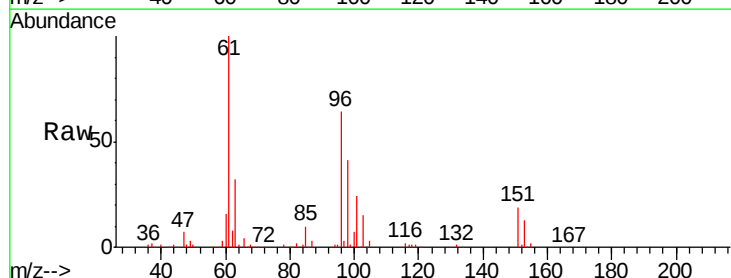
MMDadoda
 12/20/2018 4:58:40 PM

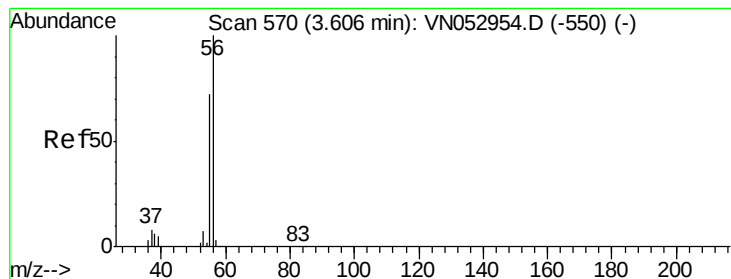


#12

1,1-Dichloroethene
 Concen: 19.753 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.0	125.6	188.4
98	64.7	50.6	75.8





#13

Acrolein

Concen: 107.294 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

Tgt Ion: 56 Resp: 64600

Ion Ratio Lower Upper

56 100

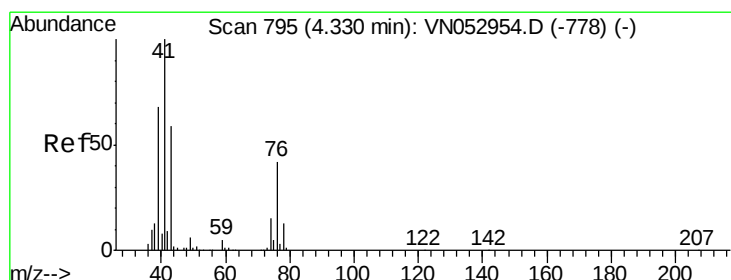
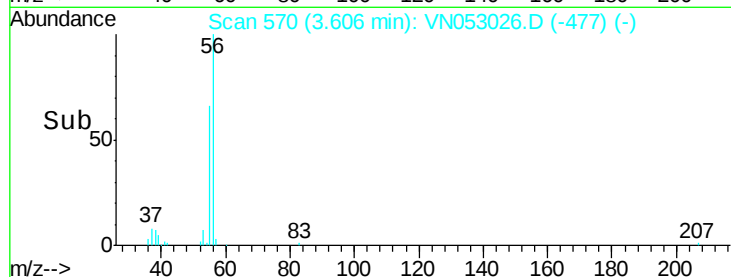
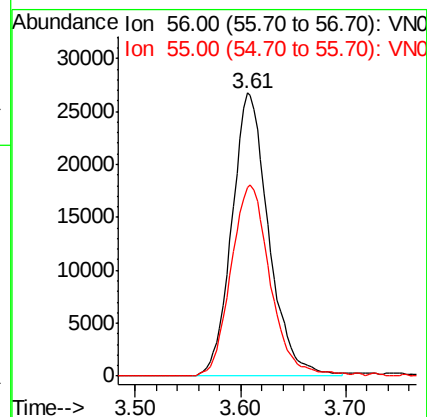
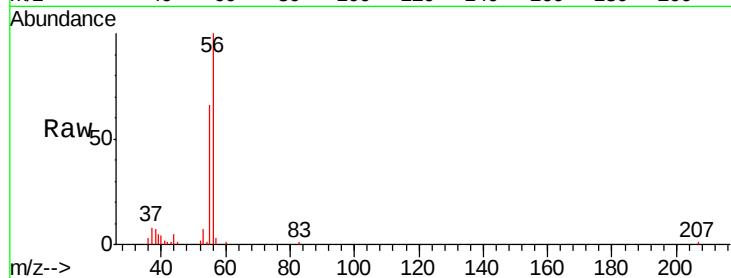
55 72.0 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.618 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

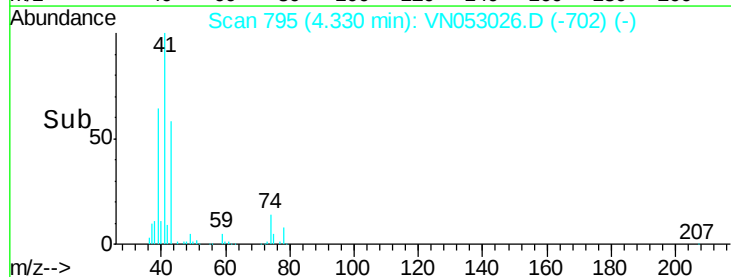
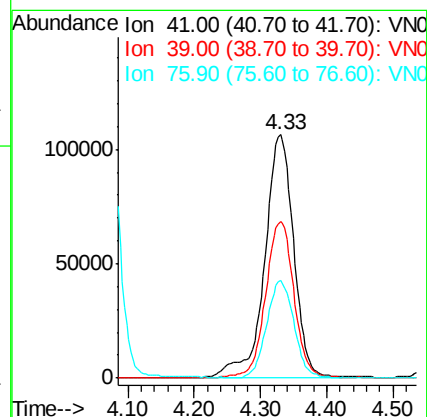
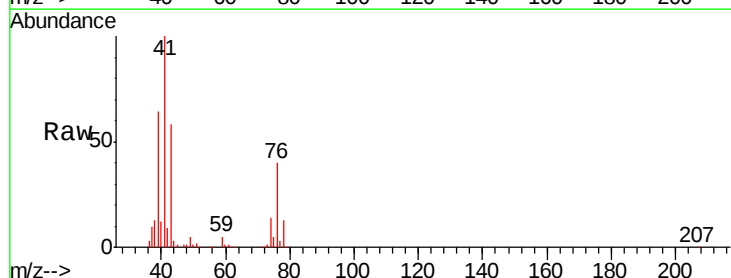
Tgt Ion: 41 Resp: 326430

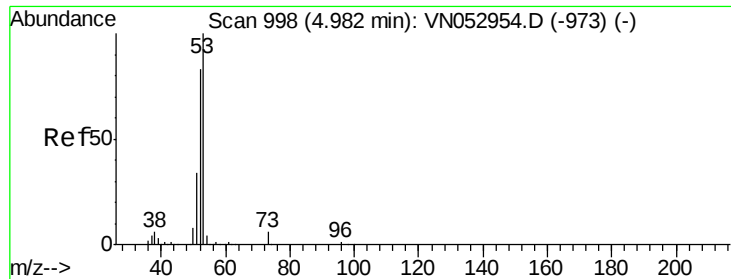
Ion Ratio Lower Upper

41 100

39 62.6 54.1 81.1

76 37.1 30.3 45.5





#15

Acrylonitrile

Concen: 98.371 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

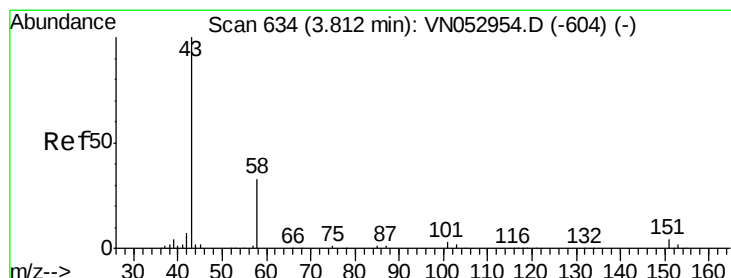
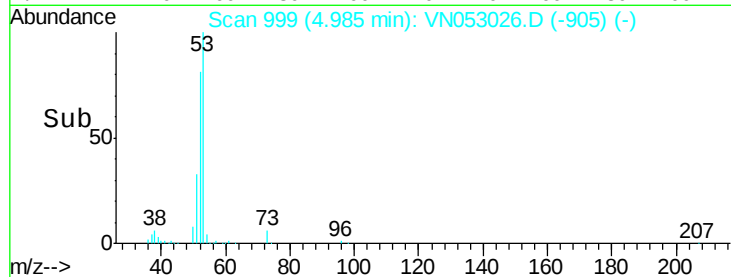
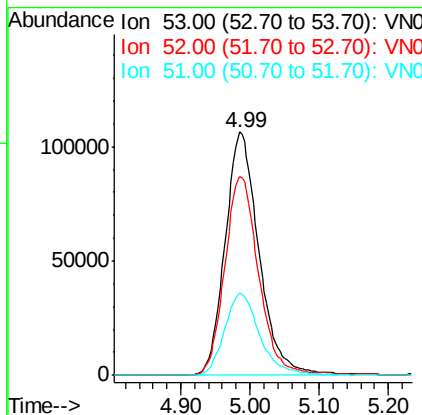
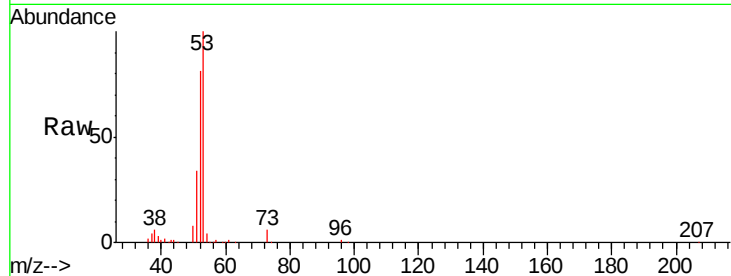
ClientSampleId :

VN1219MBS02

Tgt Ion:	53	Resp:	362878
Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.1	97.7
51	35.1	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 103.192 ug/l

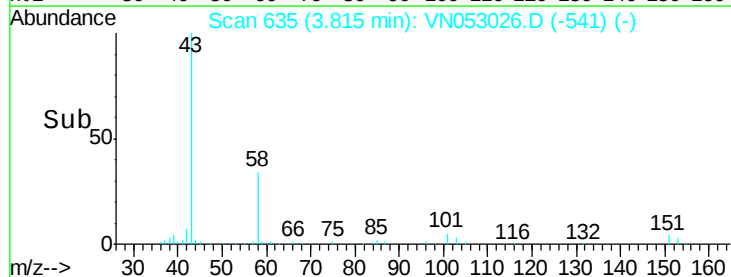
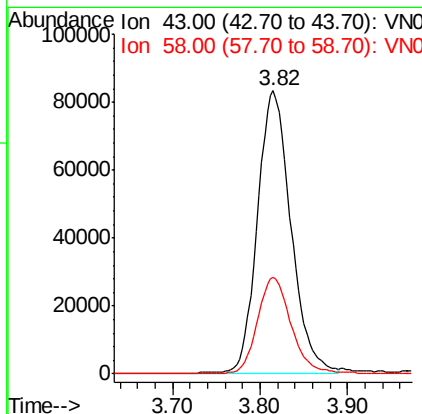
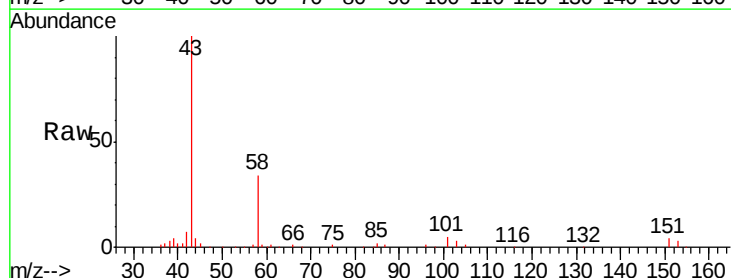
RT: 3.82 min Scan# 635

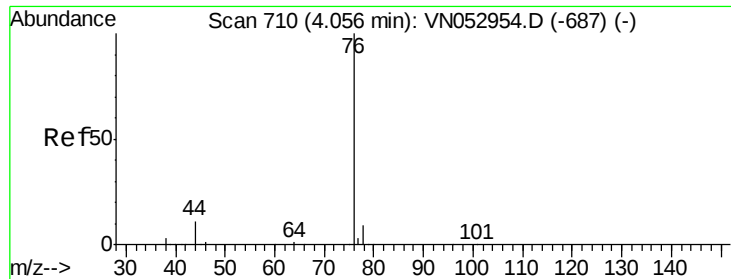
Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Tgt Ion:	43	Resp:	220182
Ion	Ratio	Lower	Upper
43	100		
58	34.2	25.4	38.0





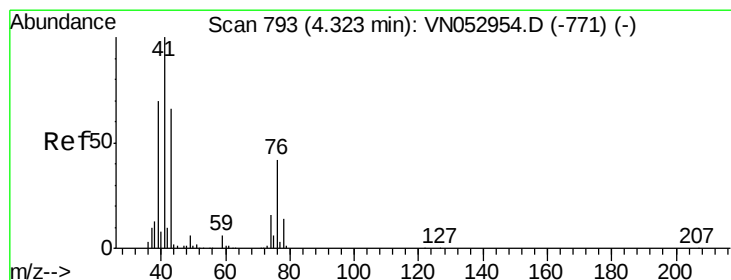
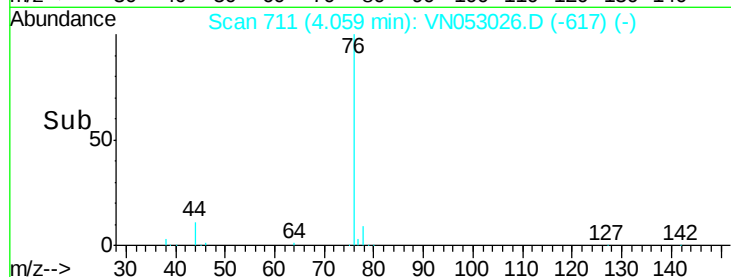
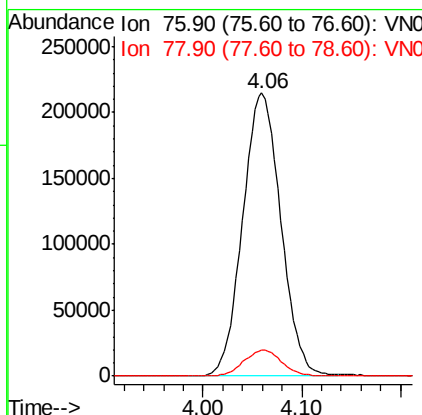
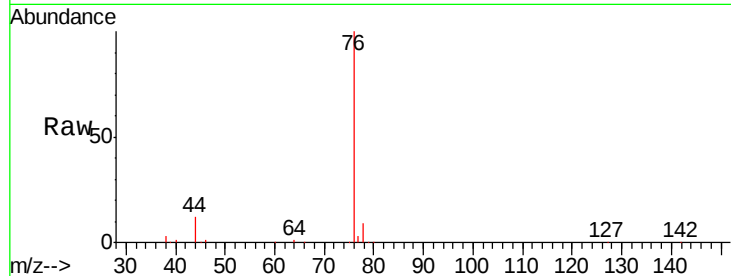
#17
Carbon Disulfide
Concen: 17.242 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tgt Ion: 76 Resp: 574728
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

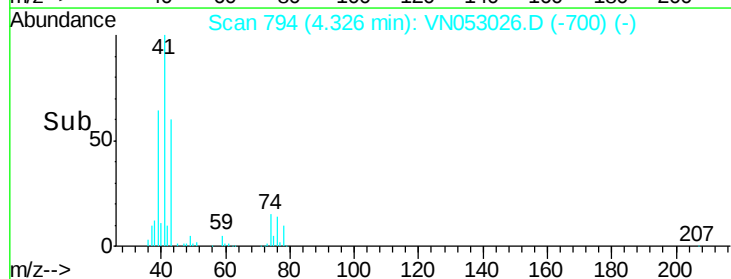
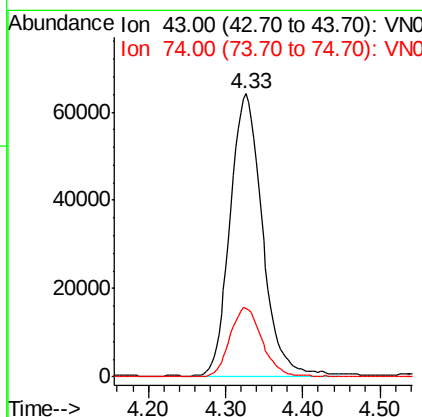
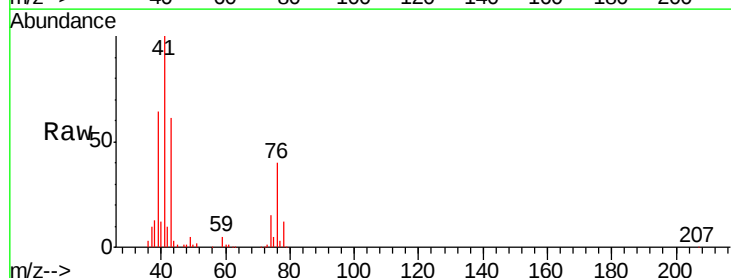
Manual Integrations
APPROVED

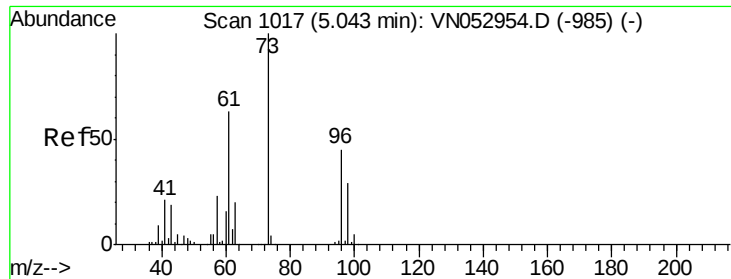
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#18
Methyl Acetate
Concen: 19.682 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion: 43 Resp: 184663
Ion Ratio Lower Upper
43 100
74 24.3 19.2 28.8





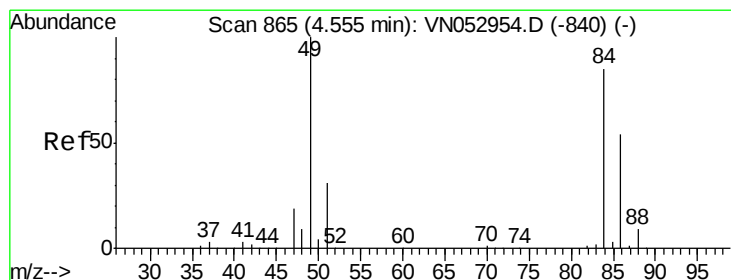
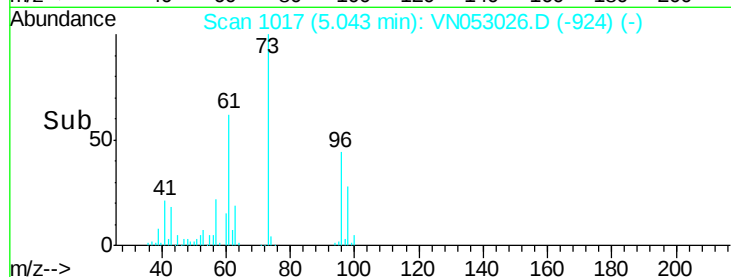
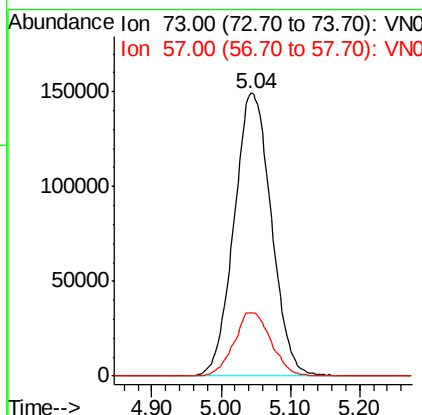
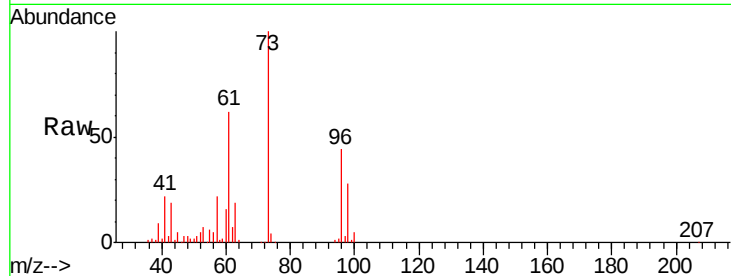
#19
Methyl tert-butyl Ether
Concen: 20.417 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tgt Ion: 73 Resp: 558457
Ion Ratio Lower Upper
73 100
57 22.3 18.4 27.6

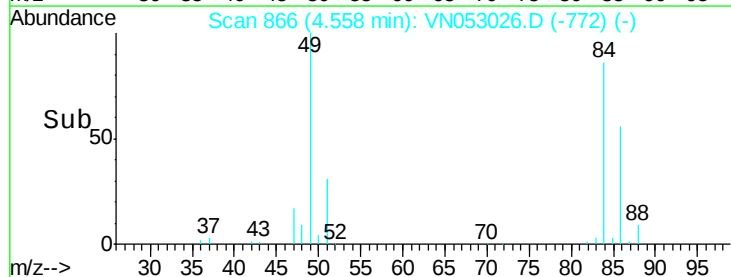
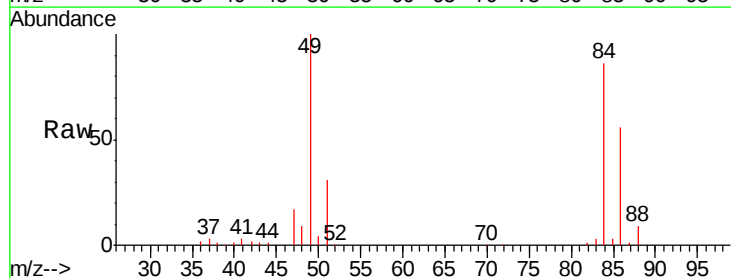
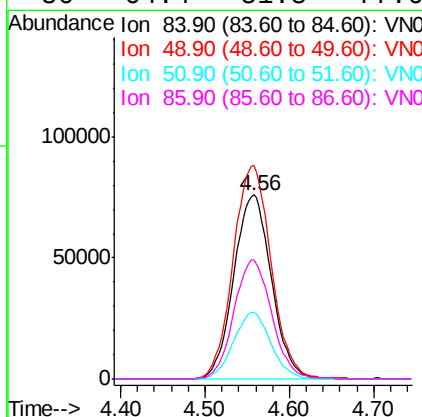
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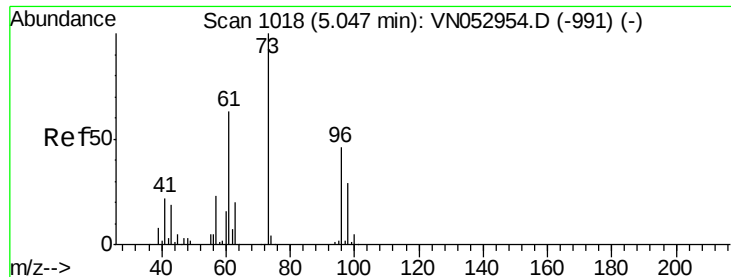
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#20
Methylene Chloride
Concen: 20.323 ug/l
RT: 4.56 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion: 84 Resp: 236542
Ion Ratio Lower Upper
84 100
49 116.0 96.8 145.2
51 36.4 29.9 44.9
86 64.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.396 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

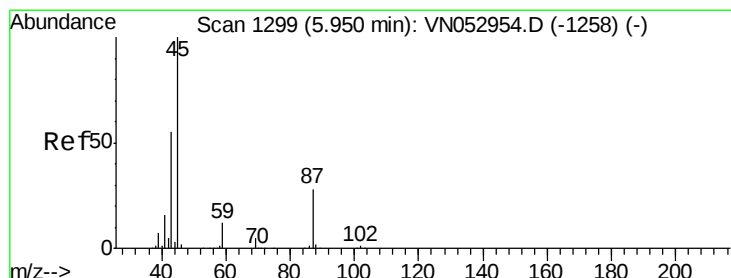
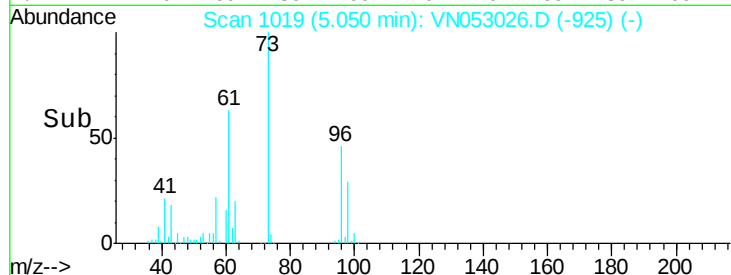
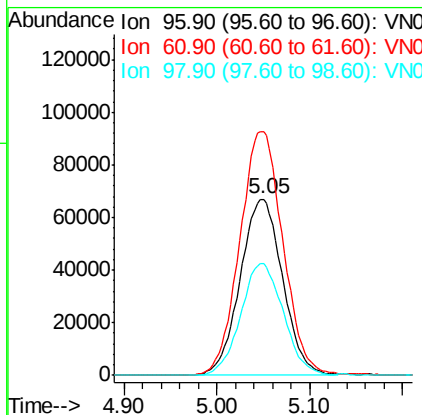
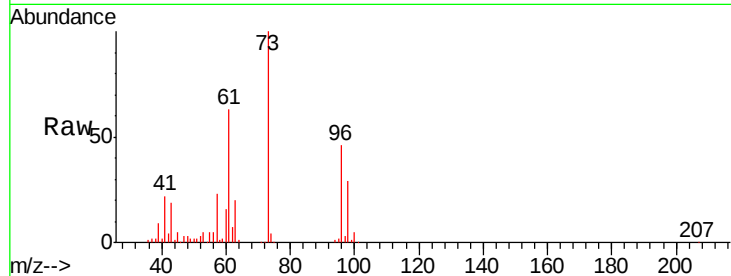
ClientSampleId :

VN1219MBS02

Tgt Ion:	96	Resp:	212997
Ion	Ratio	Lower	Upper
96	100		
61	138.4	110.8	166.2
98	63.6	51.4	77.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.969 ug/l

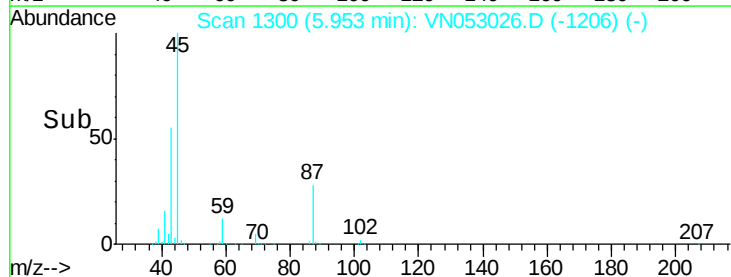
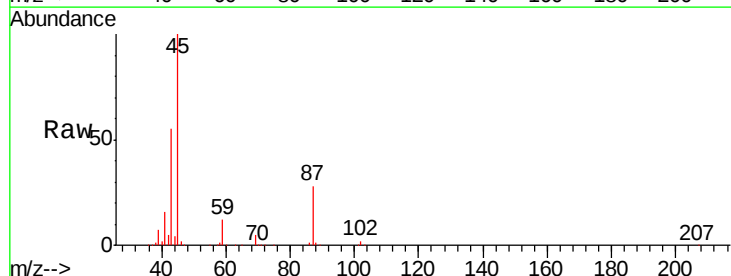
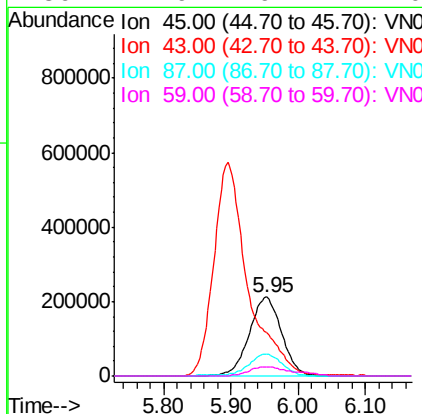
RT: 5.95 min Scan# 1300

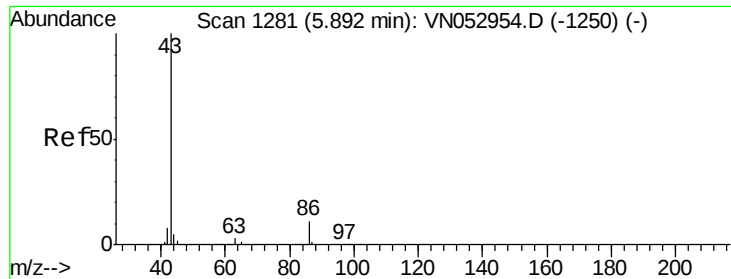
Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Tgt Ion:	45	Resp:	708622
Ion	Ratio	Lower	Upper
45	100		
43	53.9	45.5	68.3
87	28.2	22.0	33.0
59	11.9	9.4	14.0





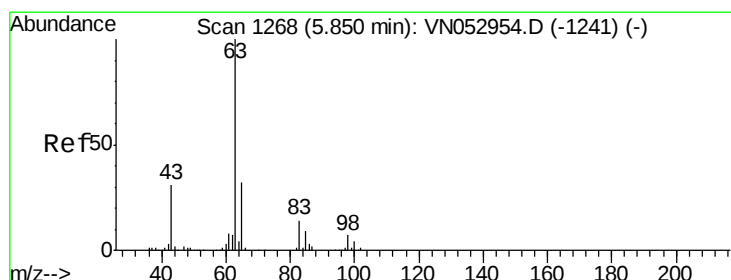
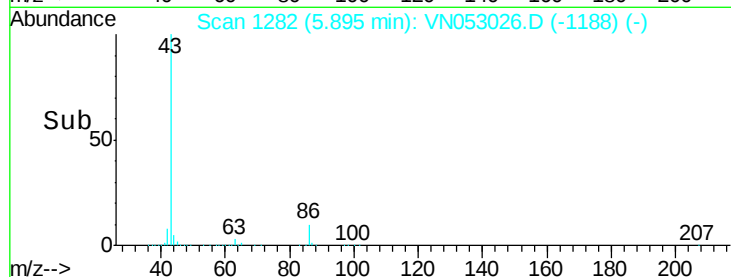
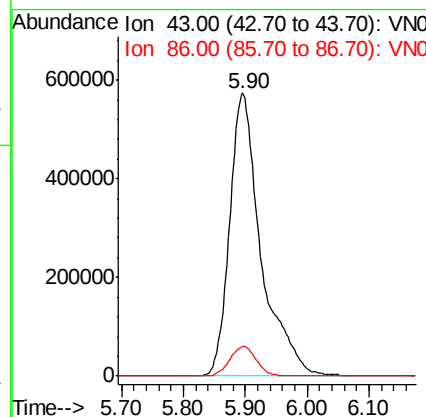
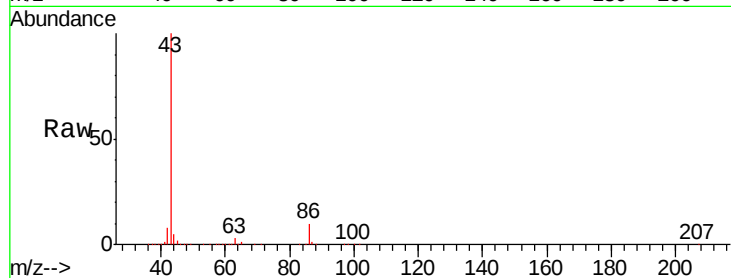
#23
 Vinyl Acetate
 Concen: 104.203 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS02

Tgt Ion: 43 Resp: 2024922
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.1 12.1

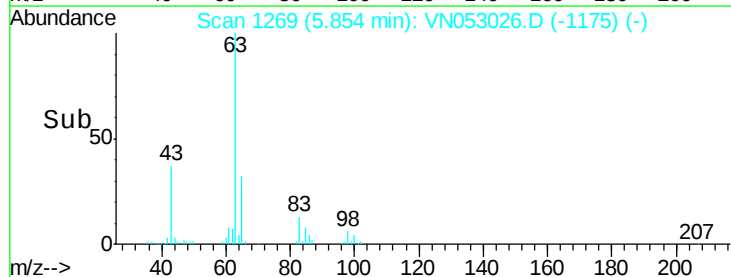
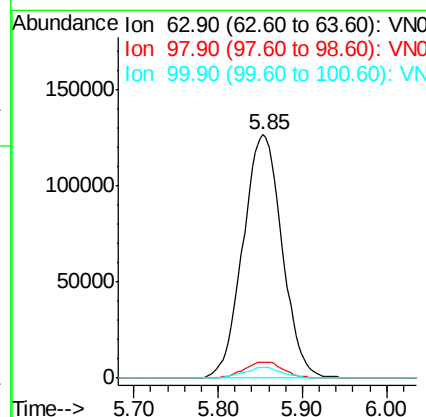
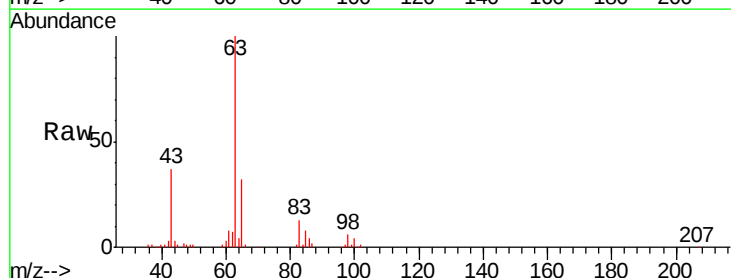
Manual Integrations
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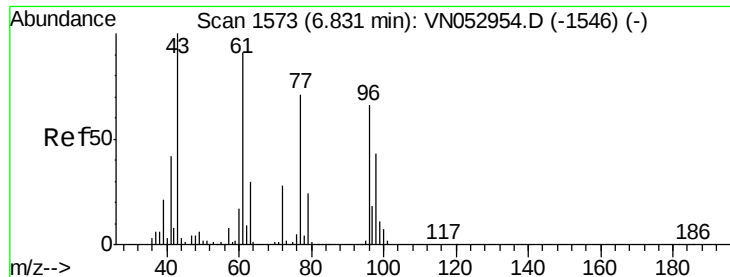
MMDadoda
 12/20/2018 4:58:40 PM



#24
 1,1-Dichloroethane
 Concen: 20.364 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Tgt Ion: 63 Resp: 408938
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.1 9.4
 100 4.3 2.0 5.8





#25

2-Butanone

Concen: 103.212 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

Tgt Ion: 43 Resp: 369590

Ion Ratio Lower Upper

43 100

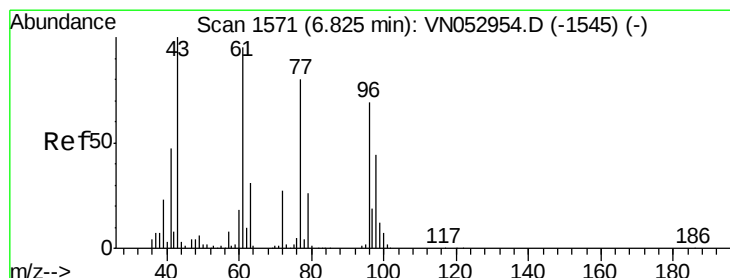
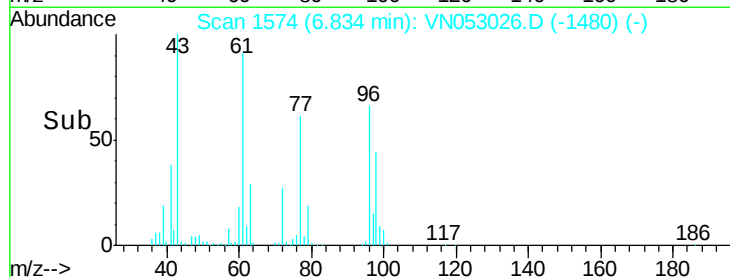
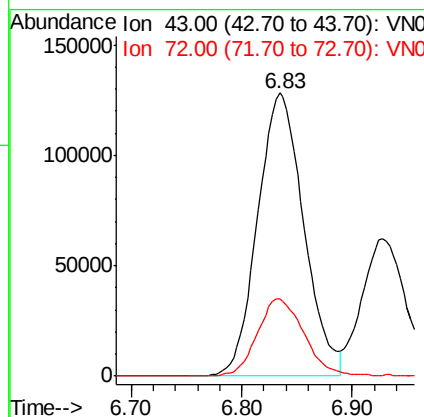
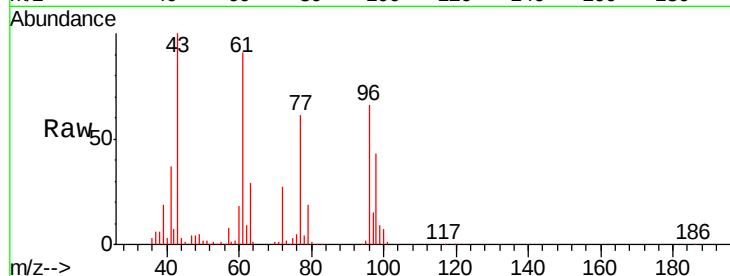
72 27.3 21.0 31.6

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#26

2,2-Dichloropropane

Concen: 17.119 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053026.D

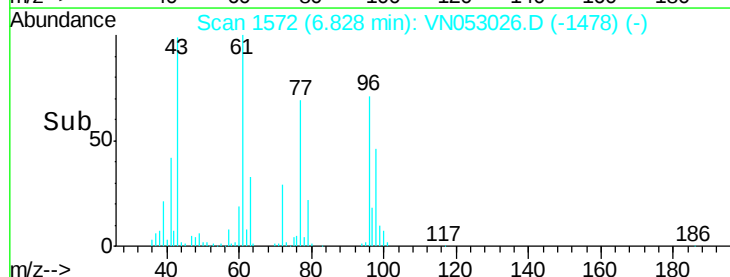
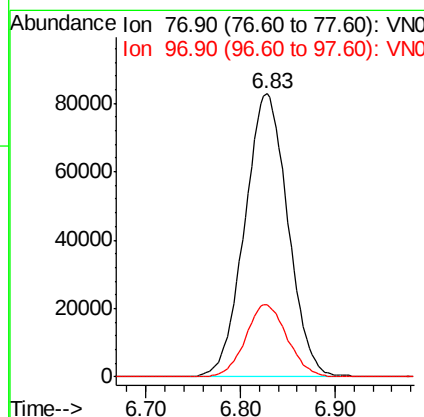
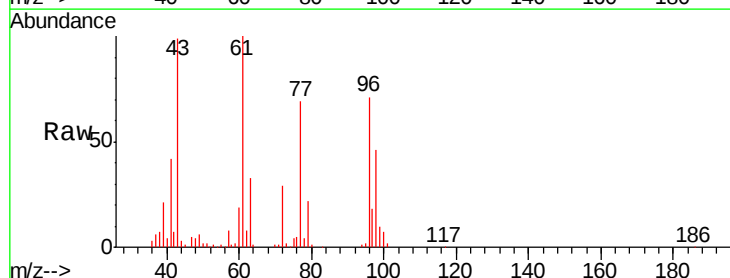
Acq: 19 Dec 2018 22:50

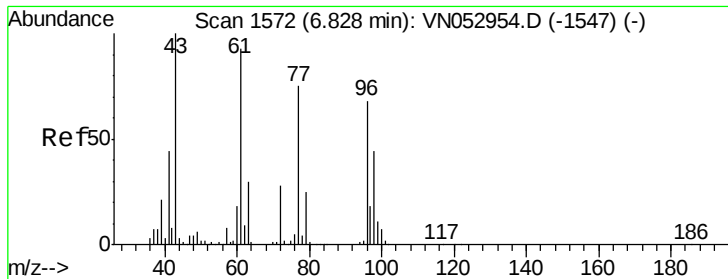
Tgt Ion: 77 Resp: 262421

Ion Ratio Lower Upper

77 100

97 24.7 11.9 35.9





#27

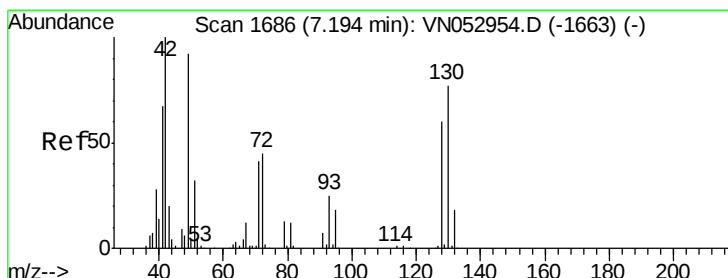
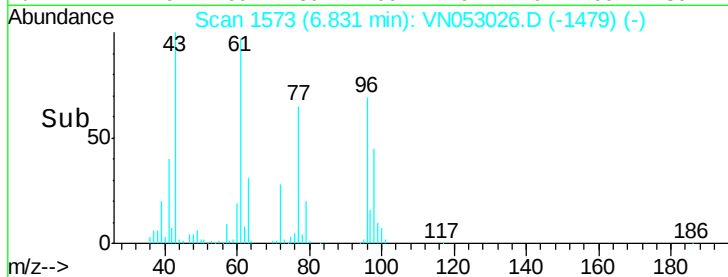
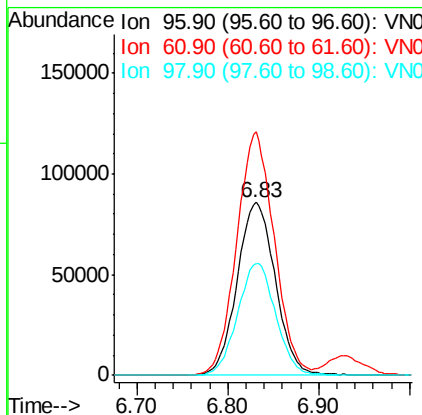
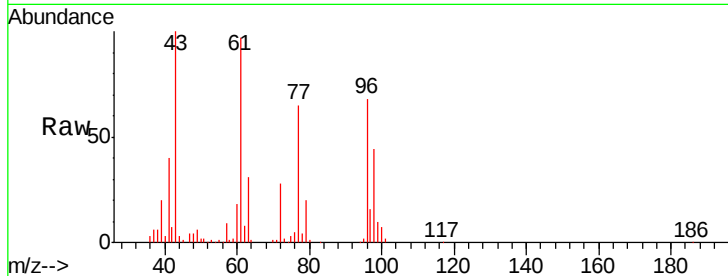
cis-1,2-Dichloroethene
Concen: 20.142 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	250412		
61	138.7	0.0	284.2	
98	65.0	0.0	129.2	

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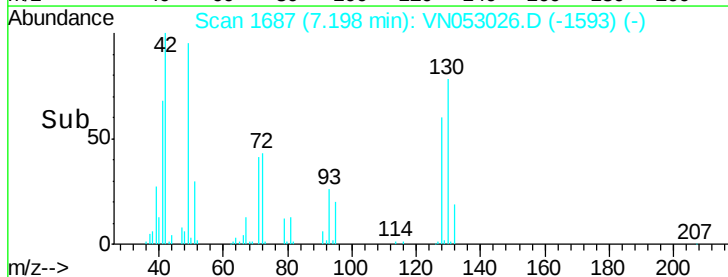
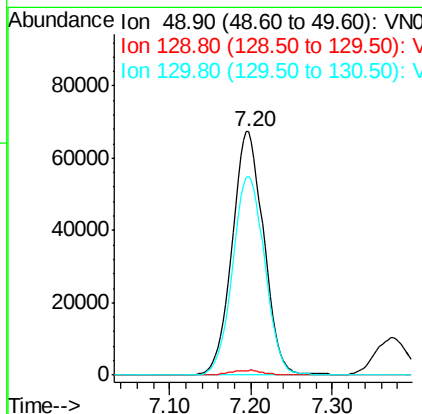
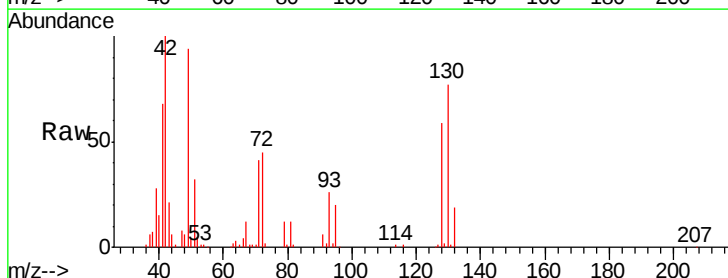
MMDadoda
12/20/2018 4:58:40 PM



#28

Bromochloromethane
Concen: 20.861 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	181520		
129	2.0	0.0	4.0	
130	83.0	63.3	94.9	





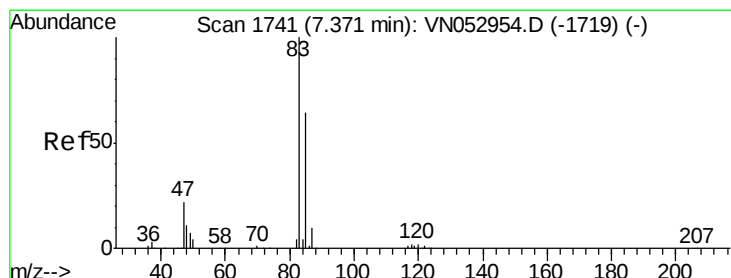
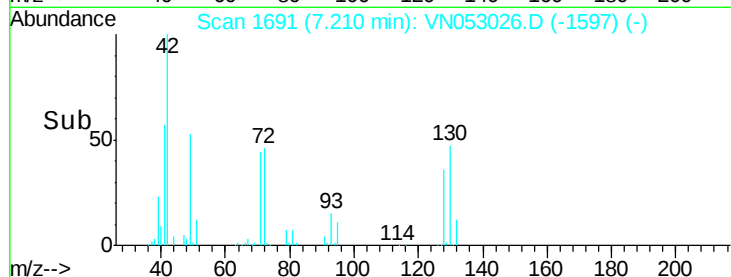
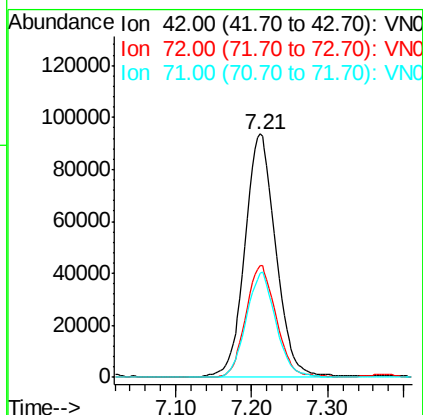
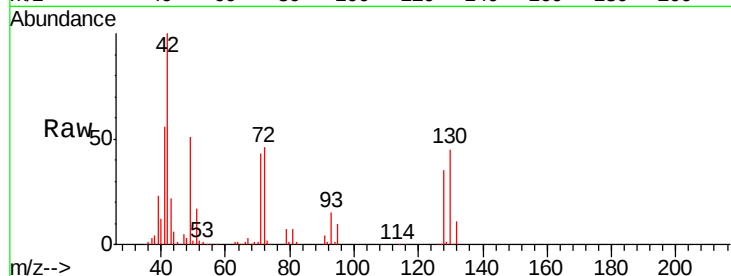
#29
Tetrahydrofuran
Concen: 98.496 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.5	34.7	52.1
71	41.5	32.3	48.5

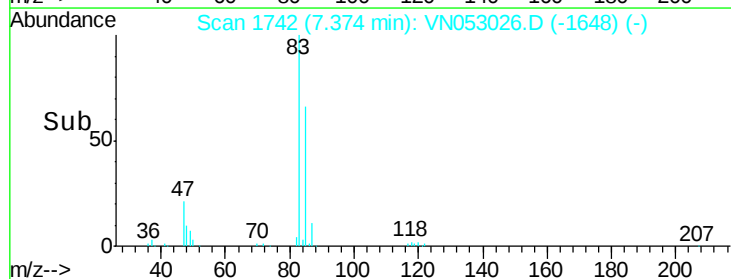
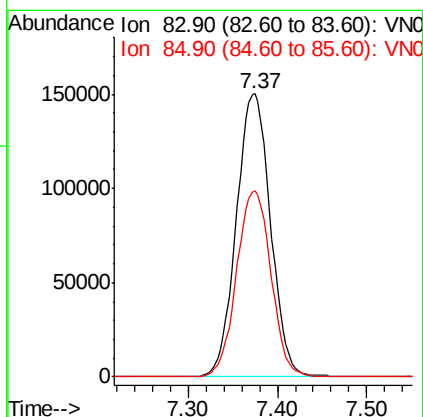
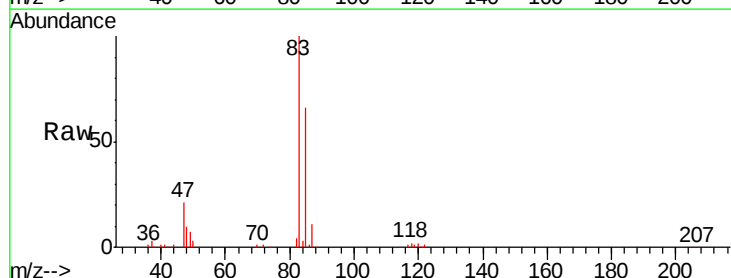
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#30
Chloroform
Concen: 20.249 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.1	78.1





#31

Cyclohexane

Concen: 19.785 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

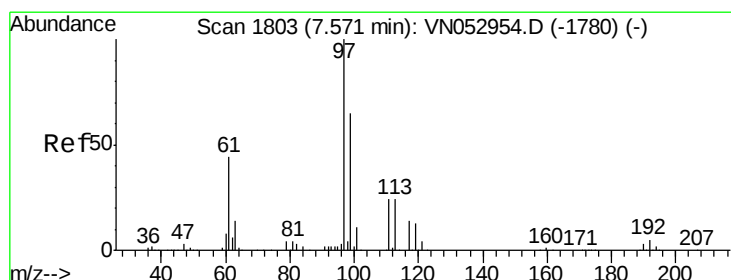
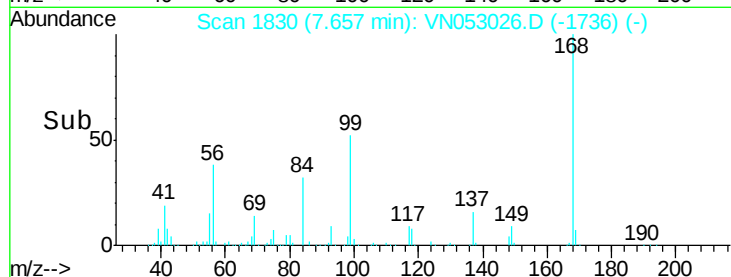
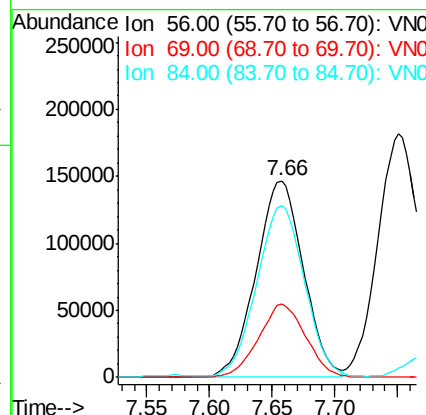
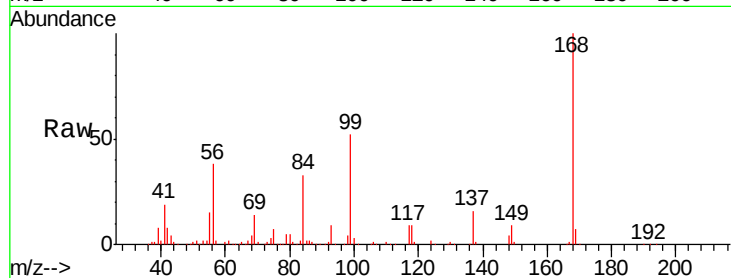
ClientSampleId :

VN1219MBS02

Tgt Ion:	56	Resp:	384594
Ion Ratio	Lower	Upper	
56	100		
69	37.3	26.6	39.8
84	86.8	68.4	102.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.746 ug/l

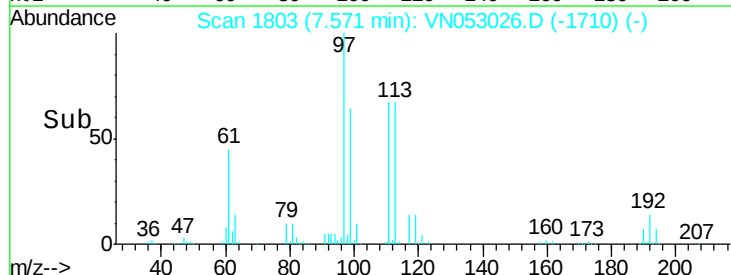
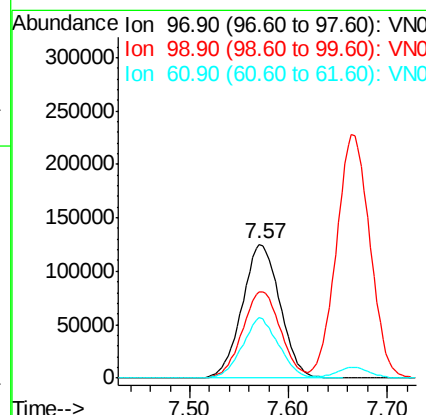
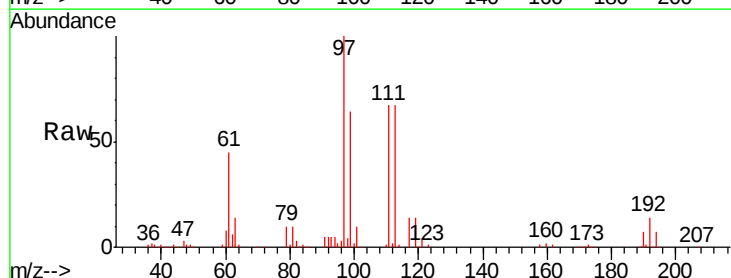
RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Tgt Ion:	97	Resp:	331821
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.1	76.7
61	43.6	35.0	52.6





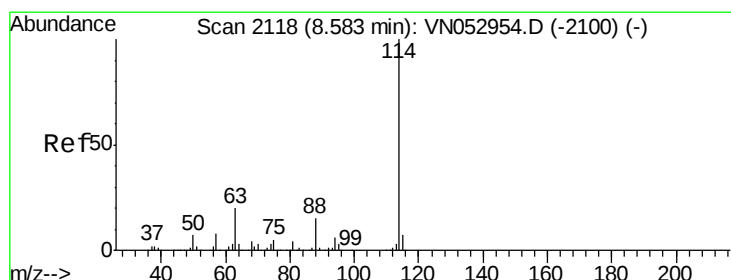
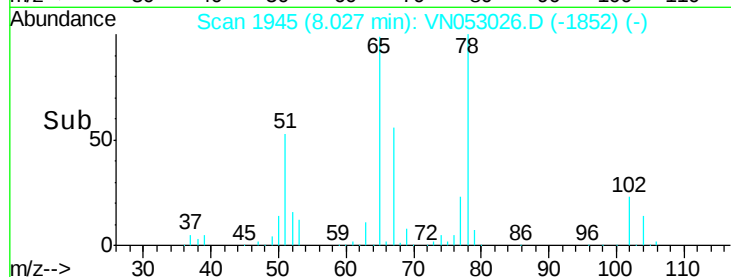
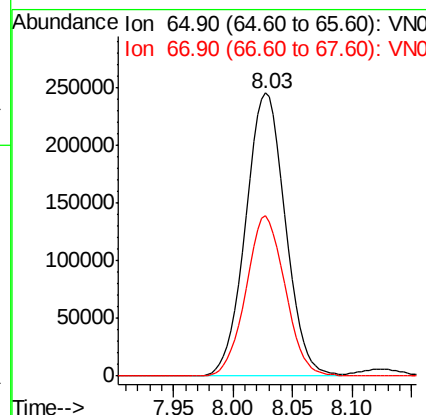
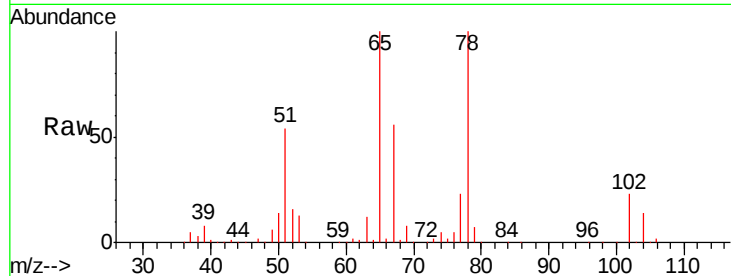
#33
 1,2-Dichloroethane-d4
 Concen: 19.746 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS02

Tgt Ion: 65 Resp: 567976
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 110.4

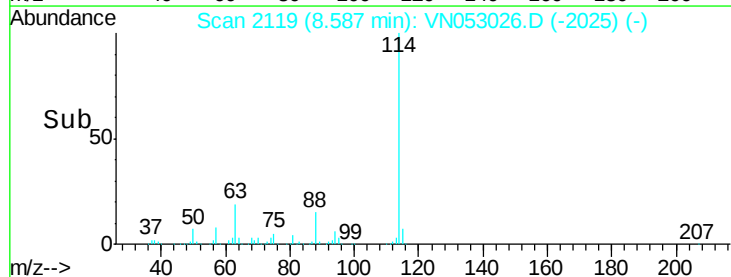
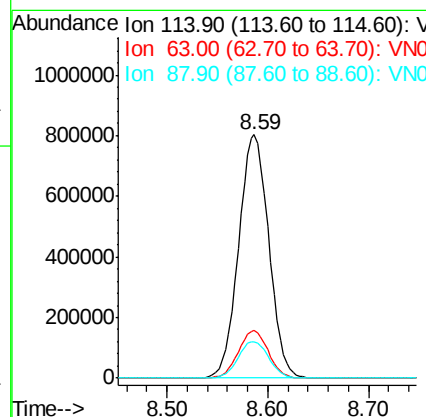
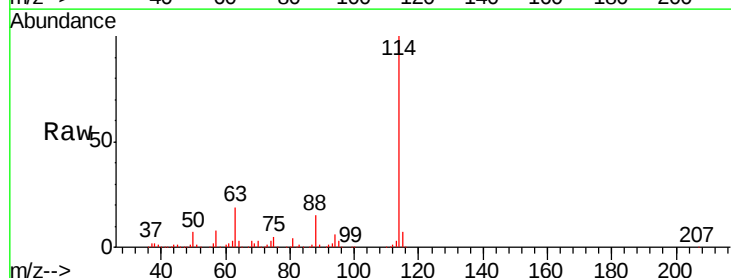
Manual Integrations
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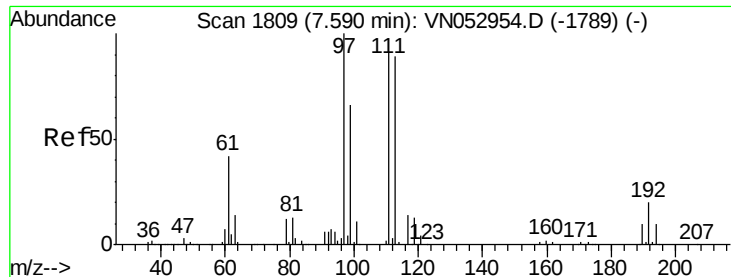
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Tgt Ion: 114 Resp: 1663781
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.1 0.0 31.0





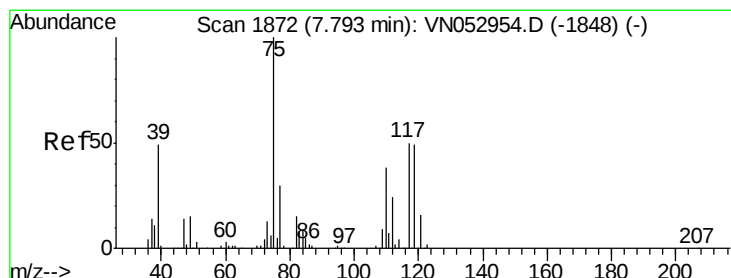
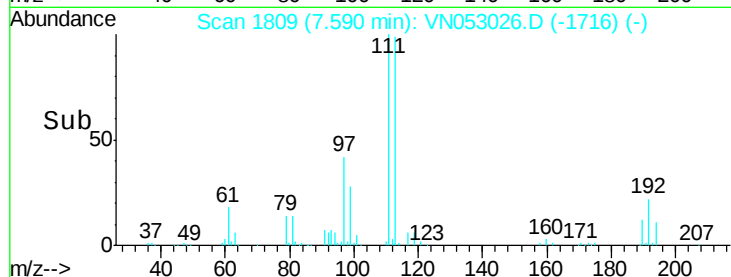
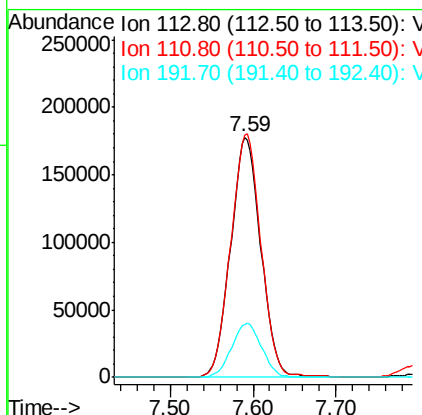
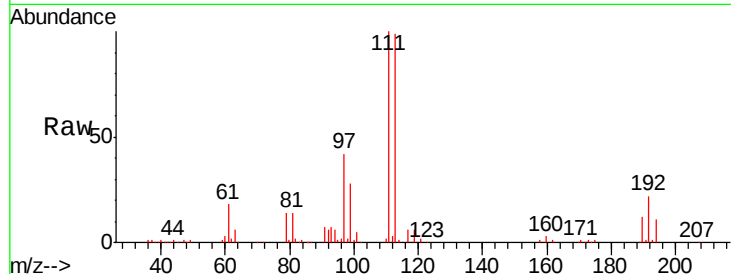
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	451464		
111	101.5	83.0	124.4	
192	22.4	17.5	26.3	

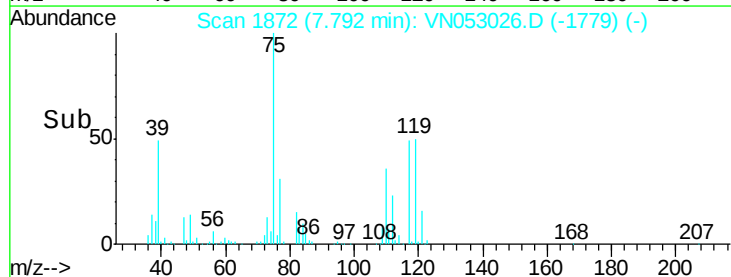
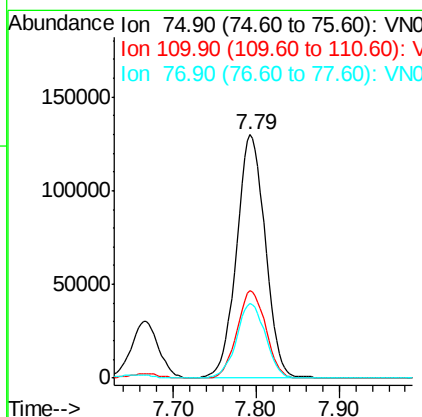
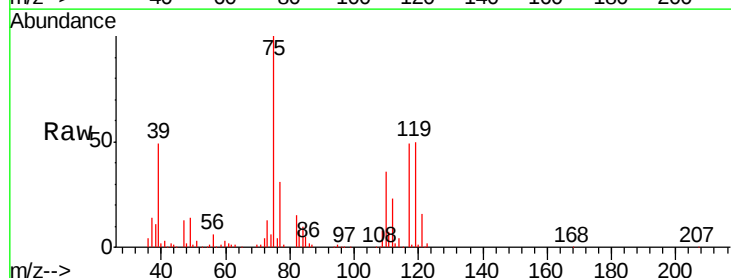
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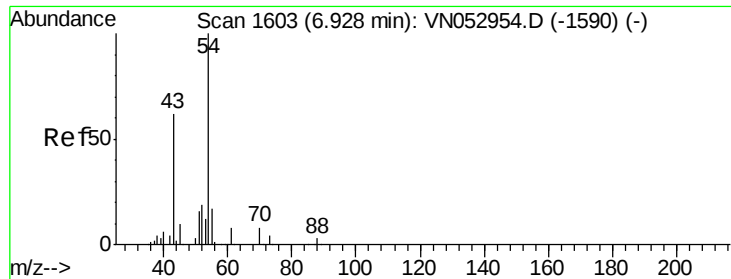
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#36
1,1-Dichloropropene
Concen: 19.523 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	311767		
110	36.1	18.2	54.6	
77	30.6	24.9	37.3	





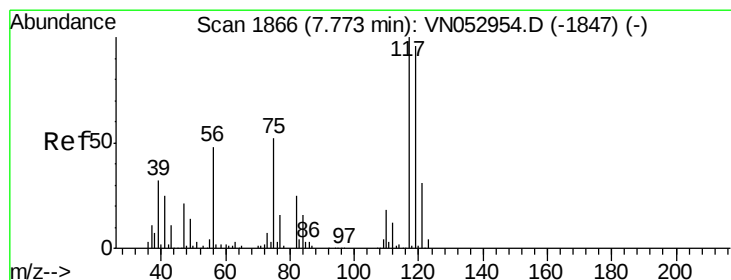
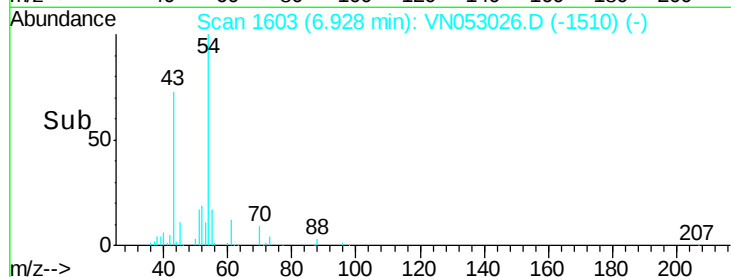
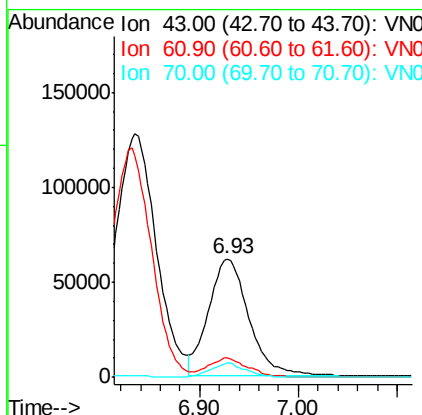
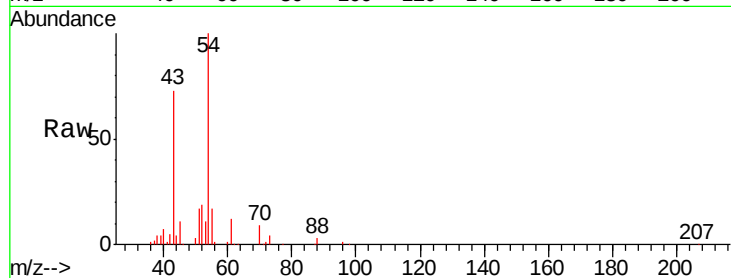
#37
Ethyl Acetate
Concen: 19.738 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.8	17.6
70	11.0	8.4	12.6

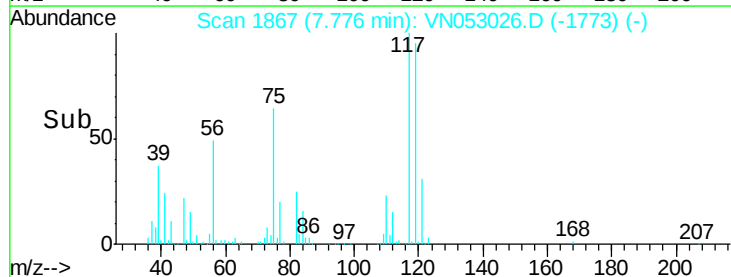
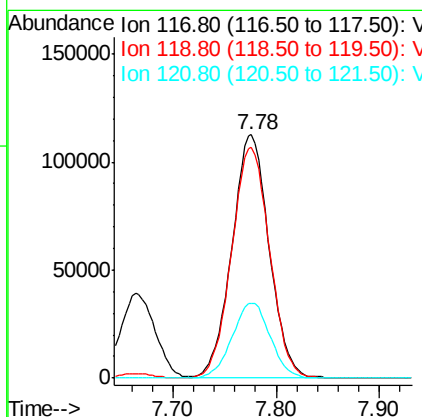
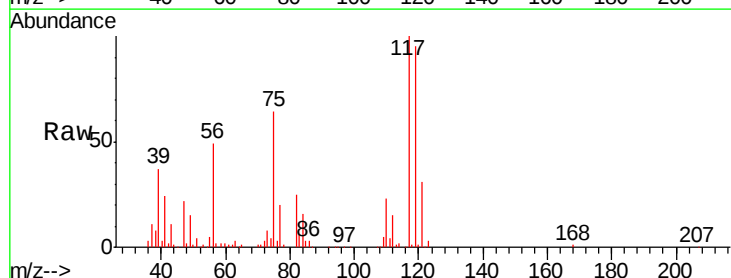
Manual Integrations
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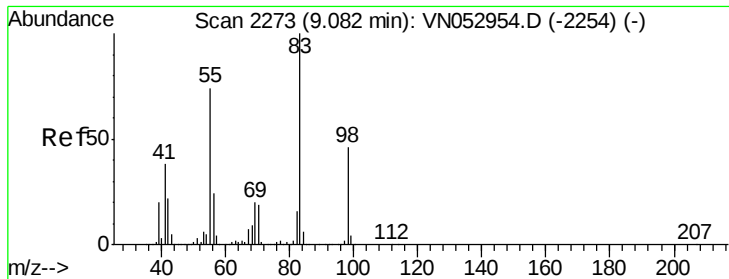
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.300 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.1	115.7
121	30.9	24.9	37.3





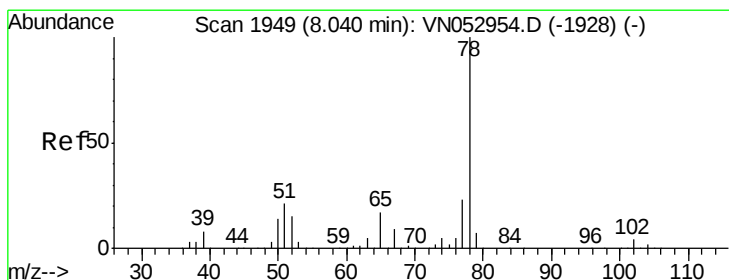
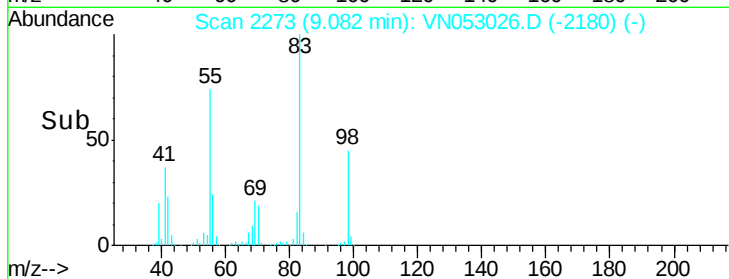
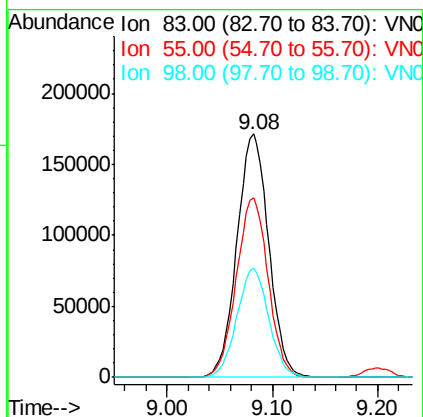
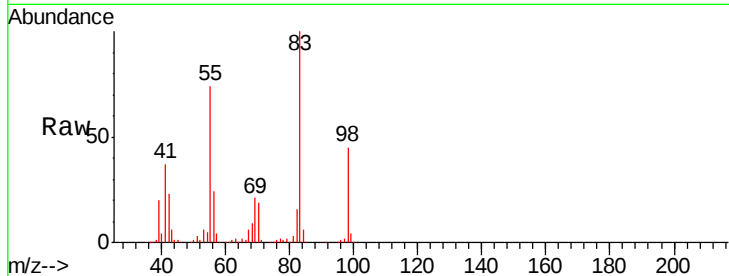
#39
Methylcyclohexane
Concen: 18.498 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	358863		
55	73.7	61.3	91.9	
98	45.1	37.0	55.4	

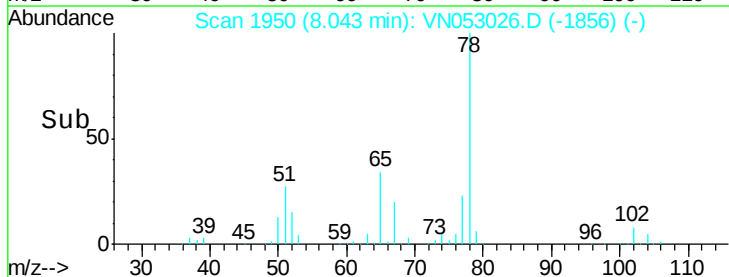
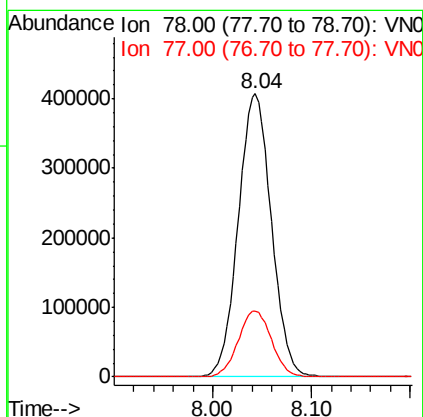
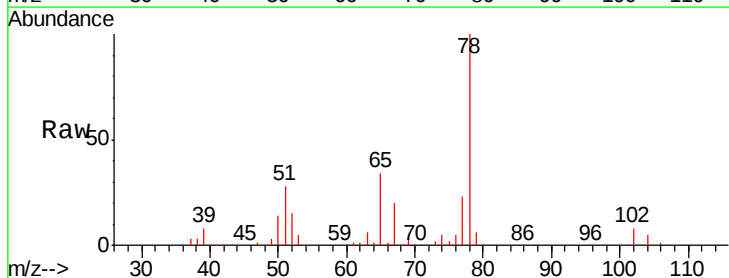
Manual Integrations
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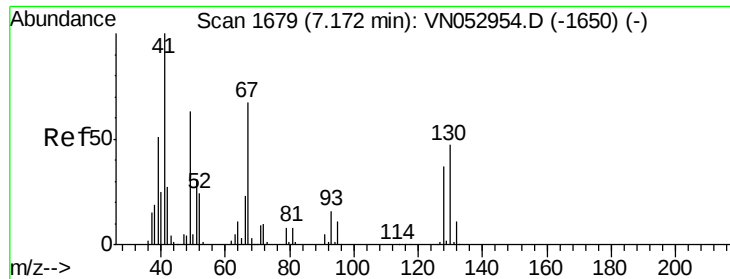
MMDadoda
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#40
Benzene
Concen: 19.930 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	946687		
77	23.3	18.5	27.7	





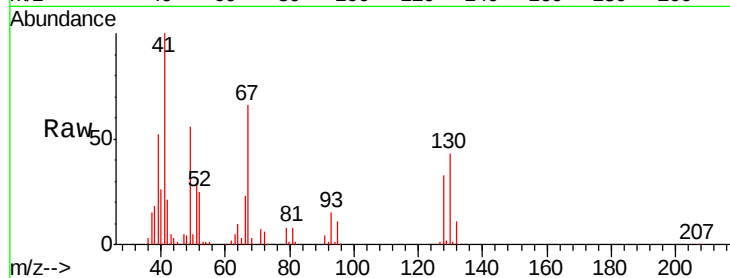
#41
Methacrylonitrile
Concen: 20.320 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	67.6	48.0	72.0	
67	82.0	70.3	105.5	
52	31.5	26.9	40.3	

Manual Integrations
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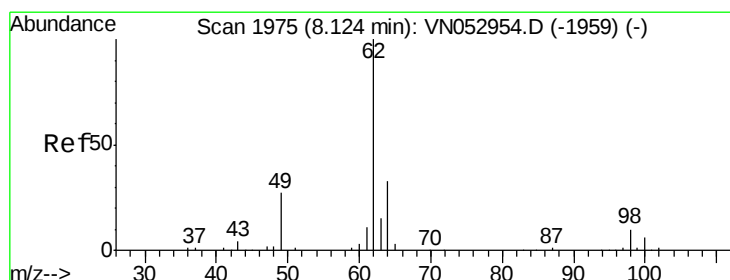
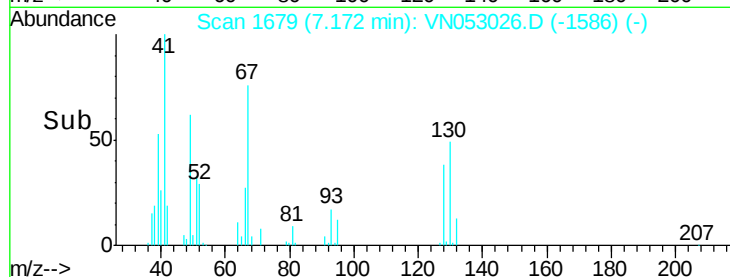
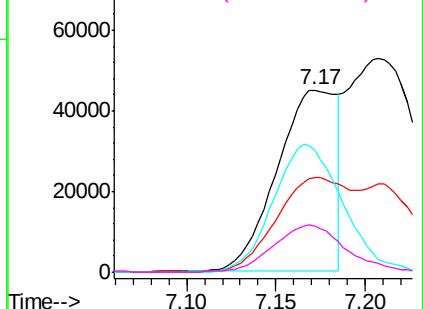


Abundance Ion 41.00 (40.70 to 41.70): VN052954.D (-1650) (-)

Ion 39.00 (38.70 to 39.70): VN052954.D (-1650) (-)

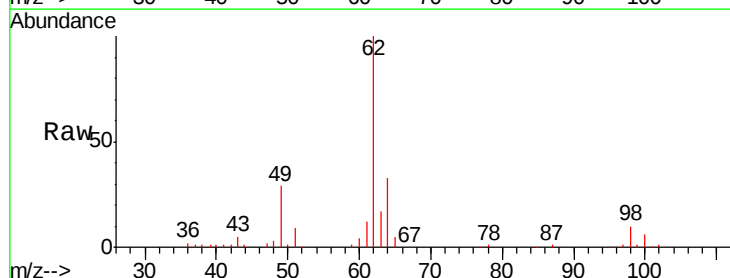
Ion 67.00 (66.70 to 67.70): VN052954.D (-1650) (-)

Ion 52.00 (51.70 to 52.70): VN052954.D (-1650) (-)



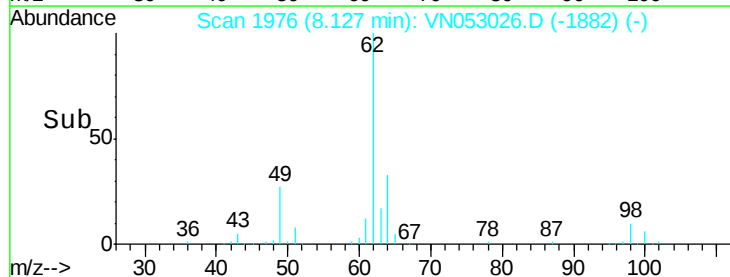
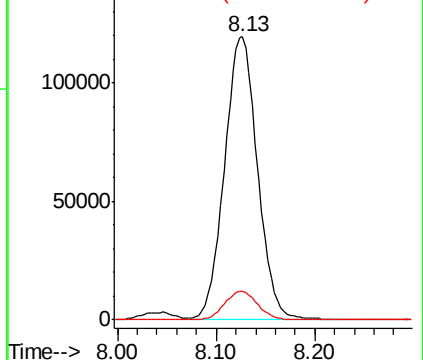
#42
1,2-Dichloroethane
Concen: 19.779 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

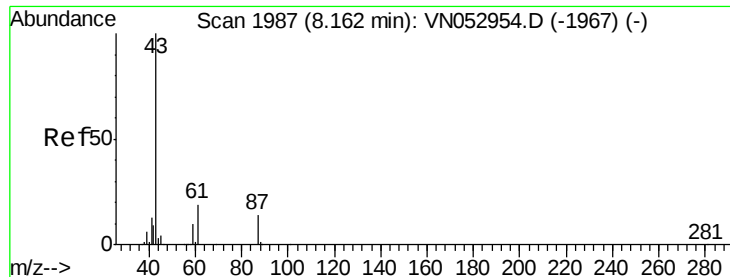
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	19.0	



Abundance Ion 61.90 (61.60 to 62.60): VN052954.D (-1959) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-1959) (-)





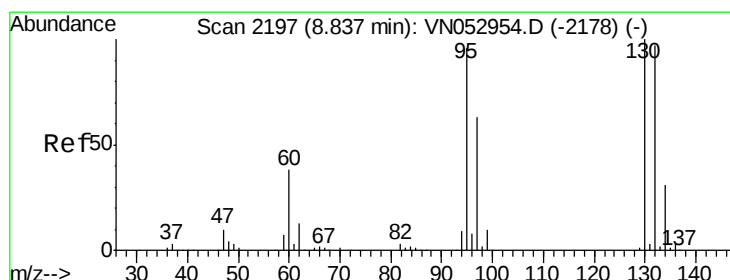
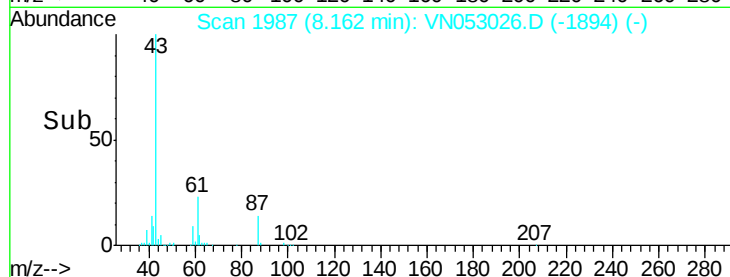
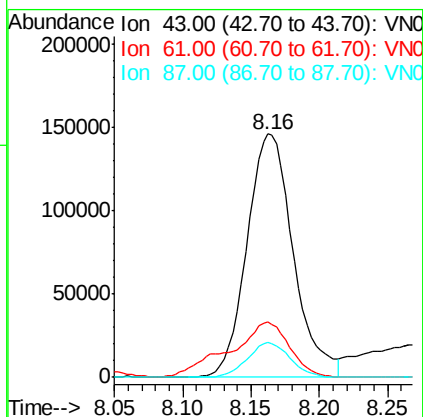
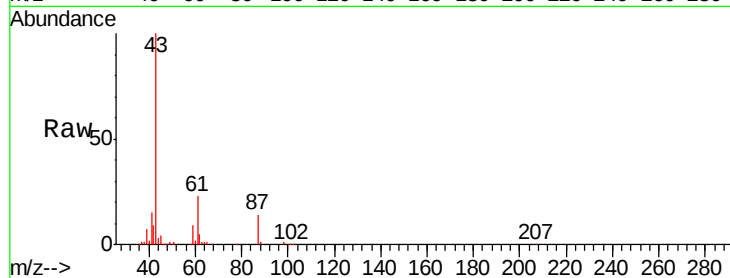
#43
Isopropyl Acetate
Concen: 19.209 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	29.2	22.9	34.3
87	13.3	10.6	15.8

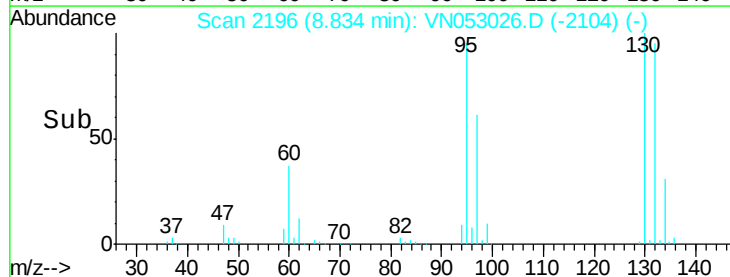
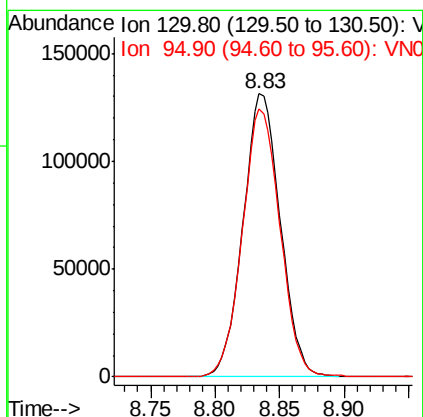
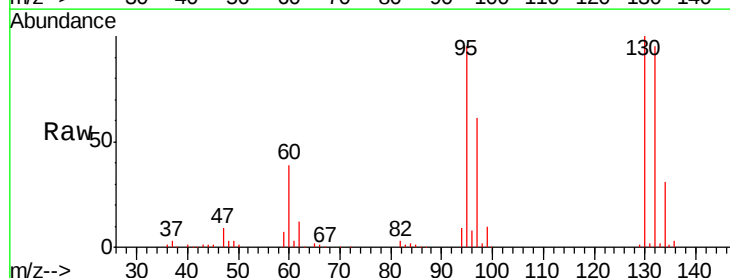
Manual Integrations
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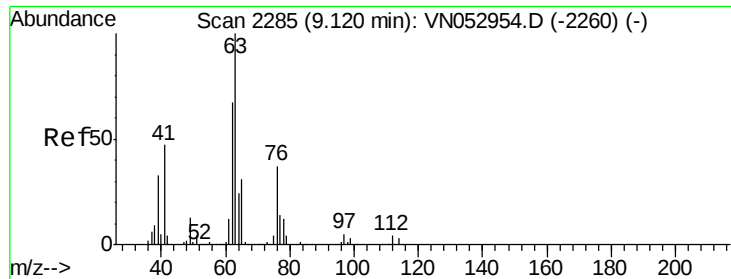
MMDadoda
12/20/2018 4:58:40 PM



#44
Trichloroethene
Concen: 19.284 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	197.8





#45

1,2-Dichloropropane

Concen: 20.112 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

Tgt Ion: 63 Resp: 248839

Ion Ratio Lower Upper

63 100

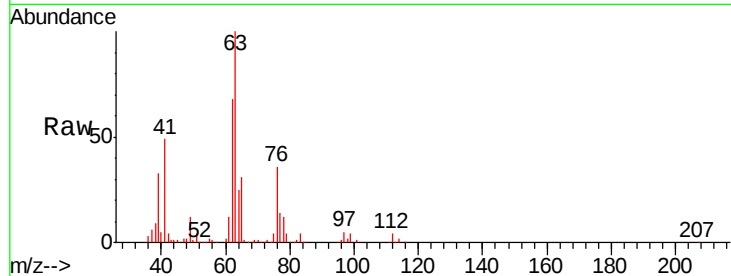
65 31.3 24.6 37.0

Manual Integrations

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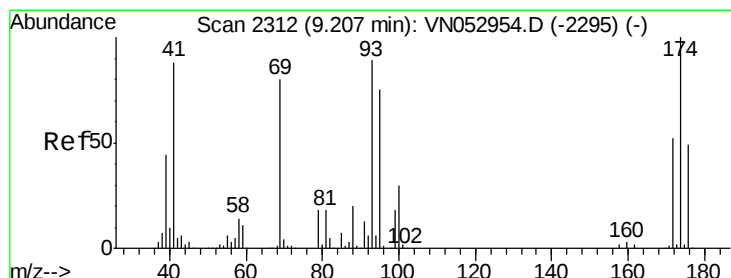
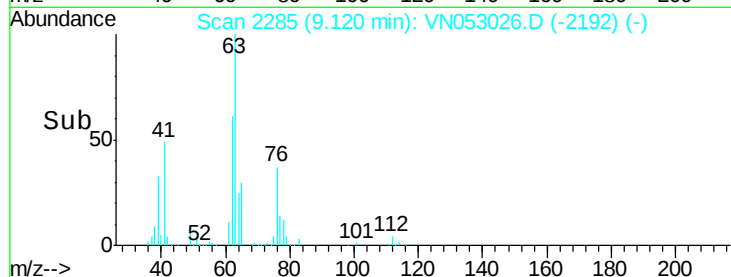
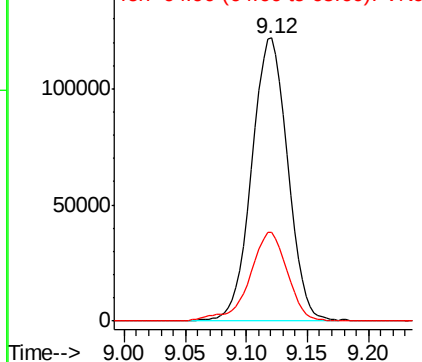
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.523 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

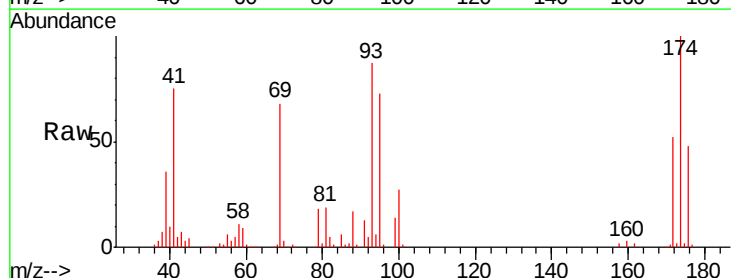
Tgt Ion: 93 Resp: 140712

Ion Ratio Lower Upper

93 100

95 84.3 67.8 101.6

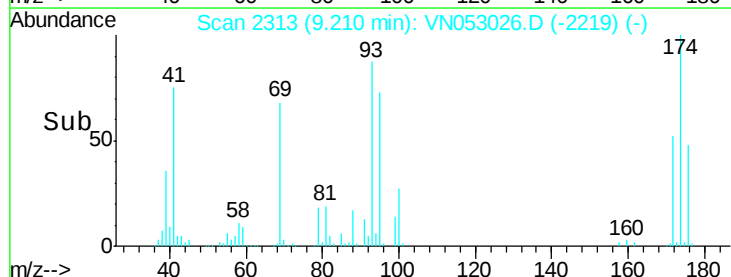
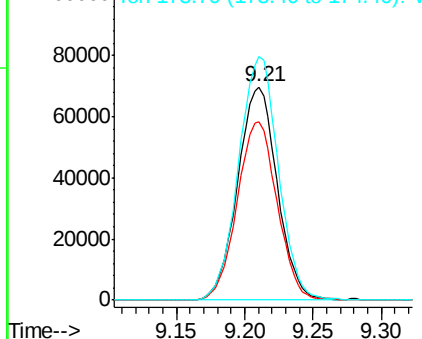
174 114.7 89.0 133.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





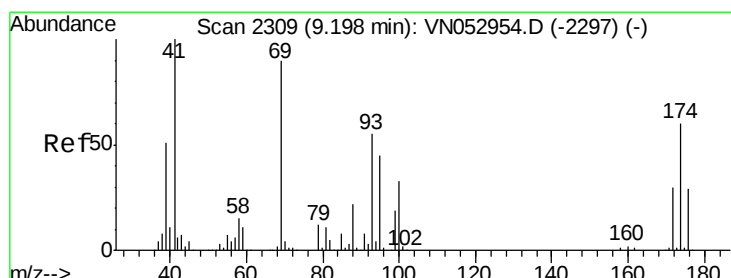
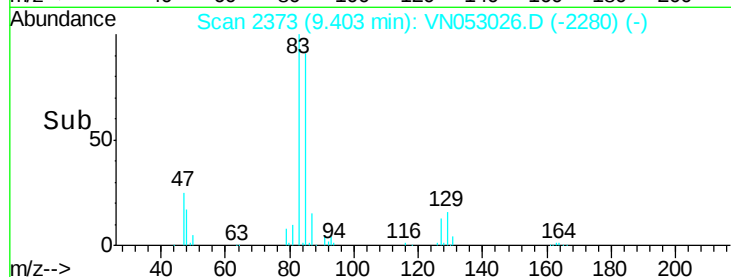
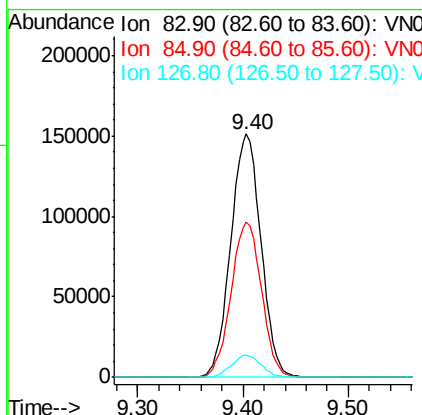
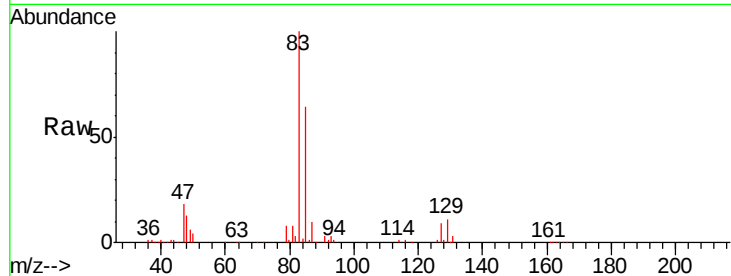
#47
Bromodichloromethane
Concen: 19.612 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.6	77.4
127	9.1	7.1	10.7

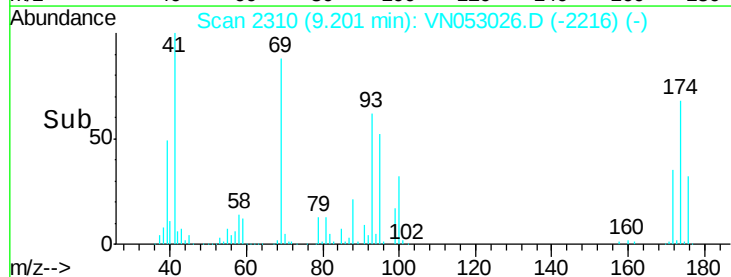
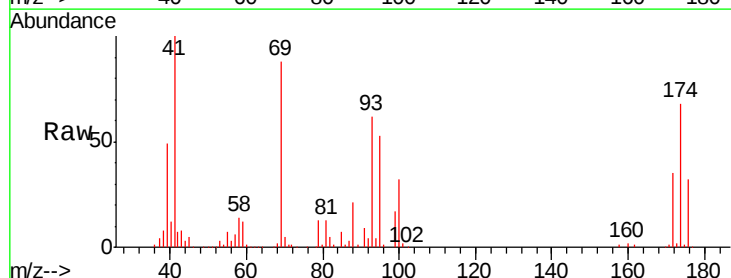
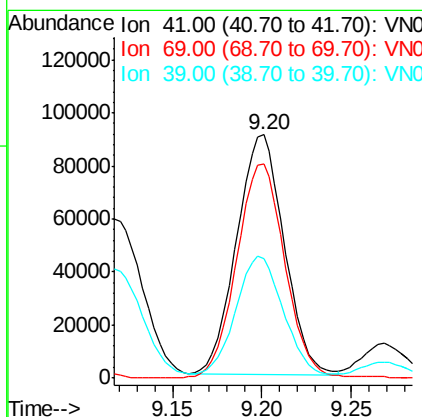
Manual Integrations
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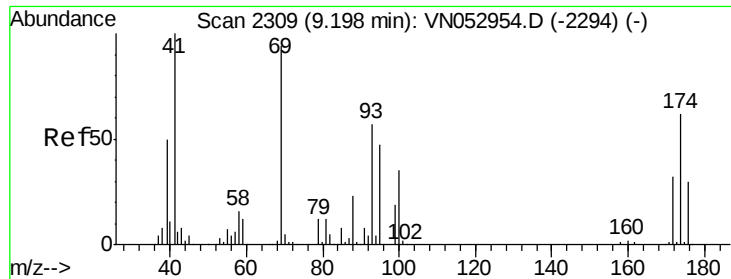
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12/20/2018 4:58:40 PM



#48
Methyl methacrylate
Concen: 19.411 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.3	72.2	108.2
39	52.3	41.9	62.9





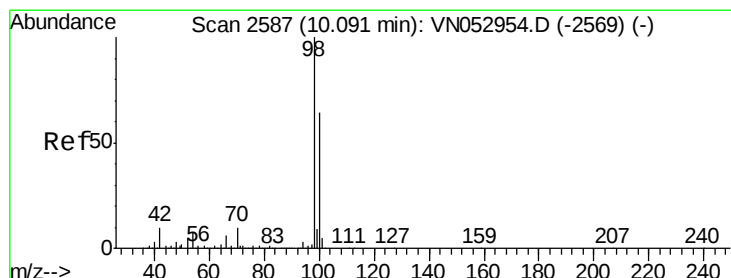
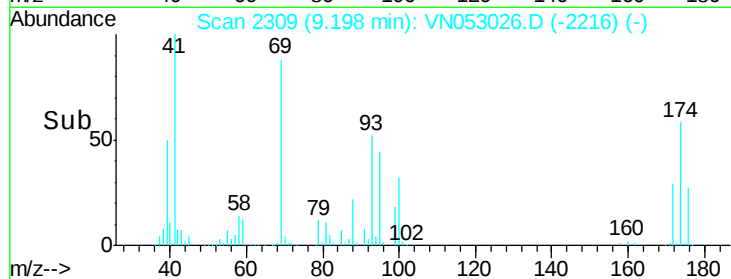
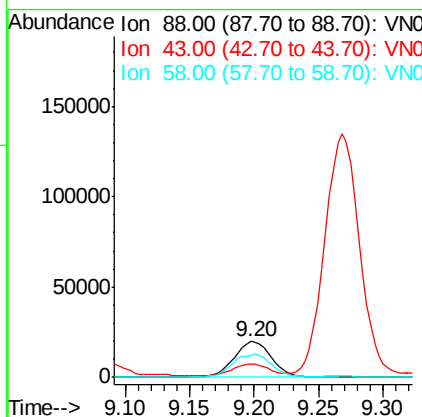
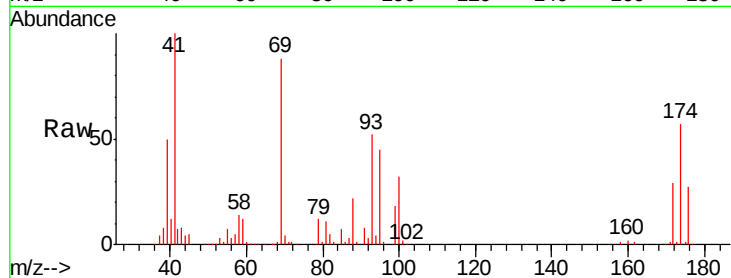
#49
 1,4-Dioxane
 Concen: 368.743 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.8	26.6	40.0
58	68.5	58.4	87.6

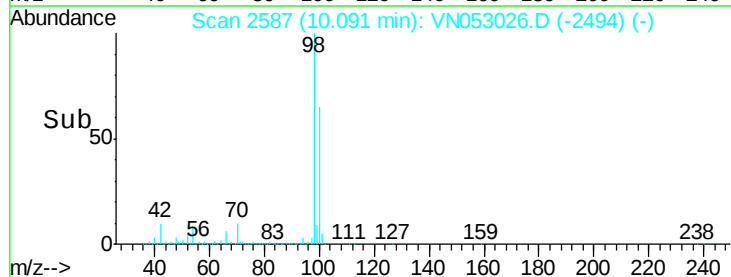
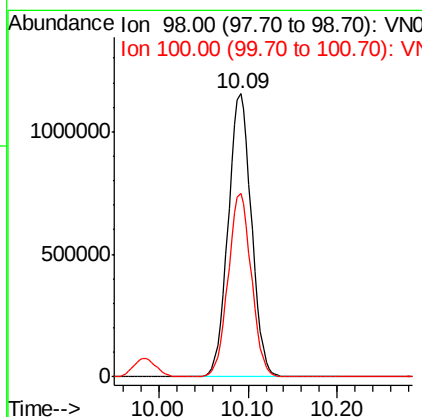
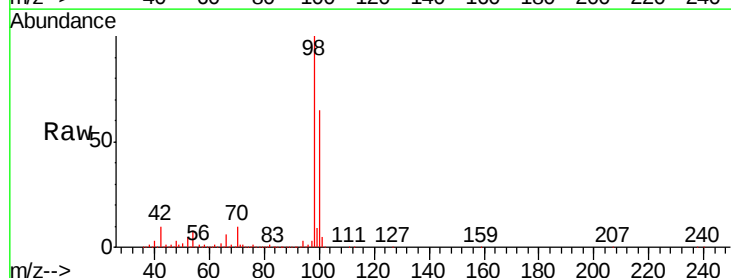
Manual Integrations
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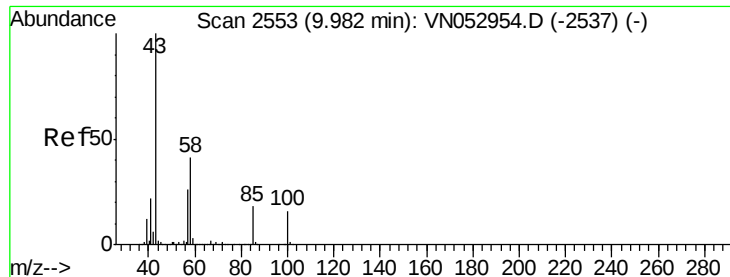
MMDadoda
 12/20/2018 4:58:40 PM



#50
 Toluene-d8
 Concen: 368.743 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.6	77.4





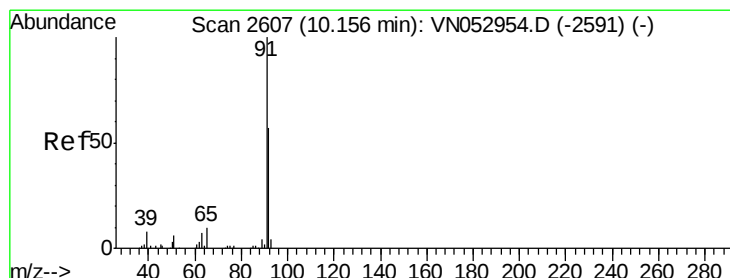
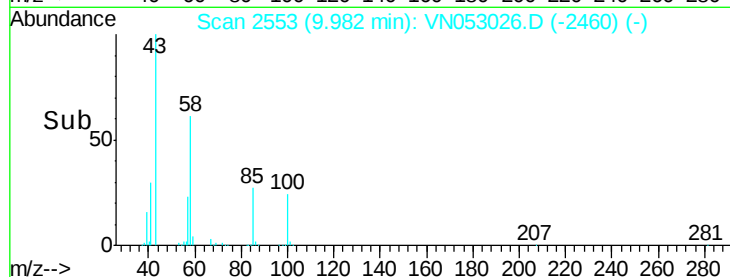
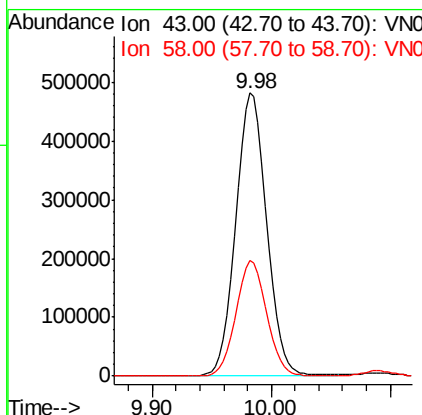
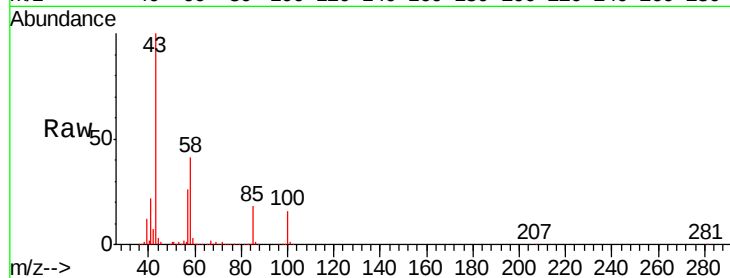
#51
4-Methyl-2-Pentanone
Concen: 99.910 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampled :
VN1219MBS02

Tgt Ion: 43 Resp: 862562
Ion Ratio Lower Upper
43 100
58 40.8 32.2 48.4

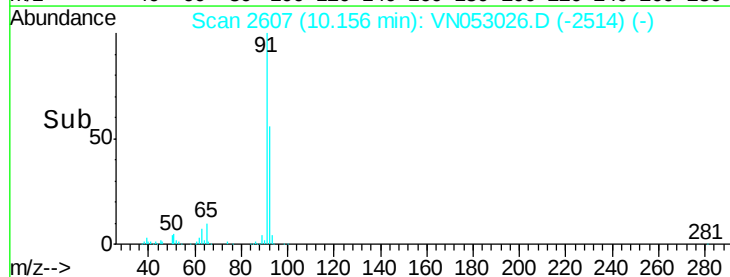
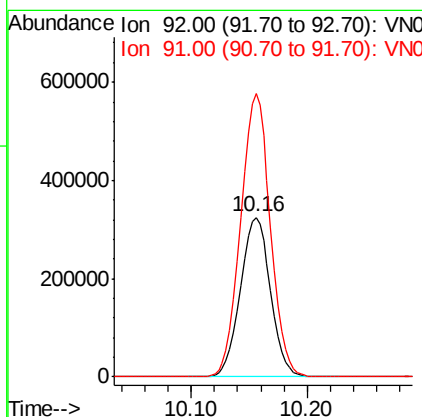
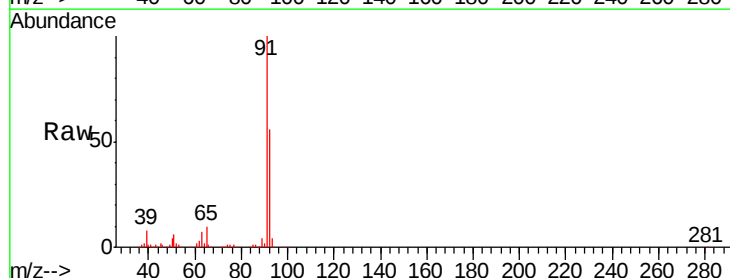
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#52
Toluene
Concen: 19.743 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion: 92 Resp: 581285
Ion Ratio Lower Upper
92 100
91 176.2 139.8 209.6





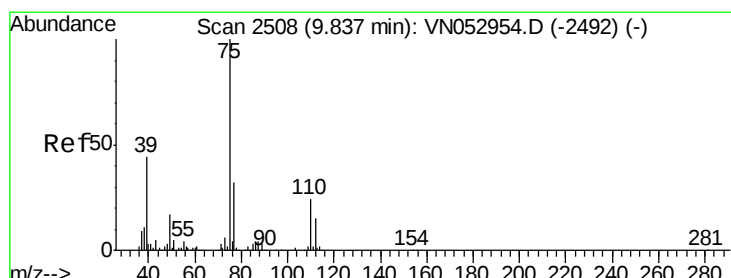
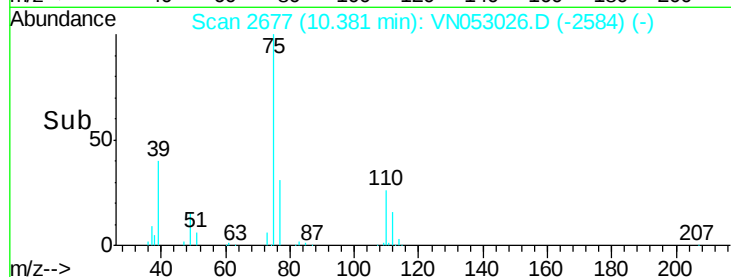
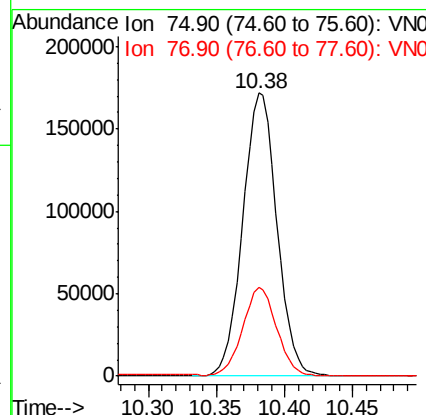
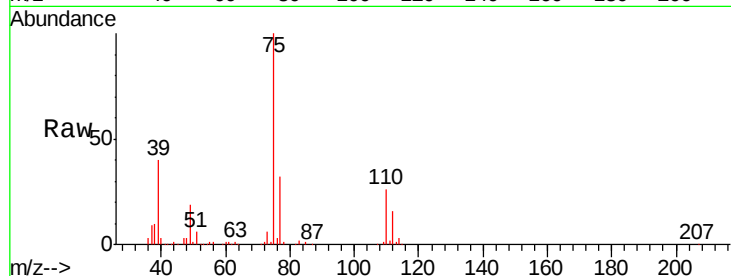
#53
t-1,3-Dichloropropene
Concen: 18.532 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tgt Ion: 75 Resp: 298568
Ion Ratio Lower Upper
75 100
77 31.4 25.6 38.4

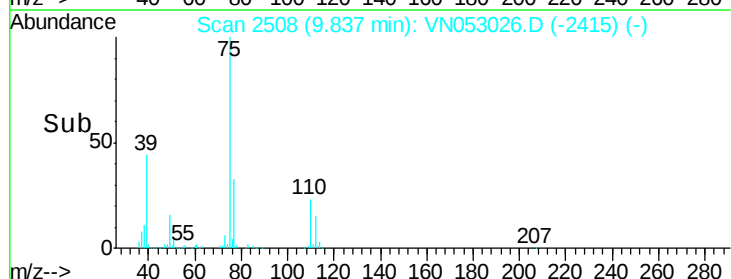
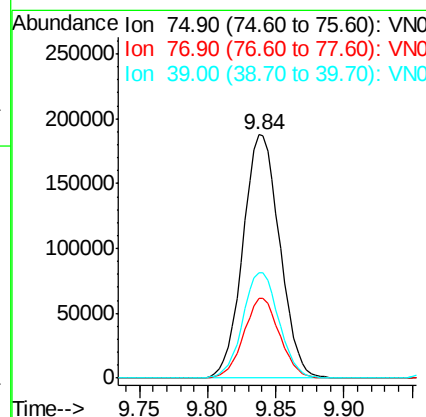
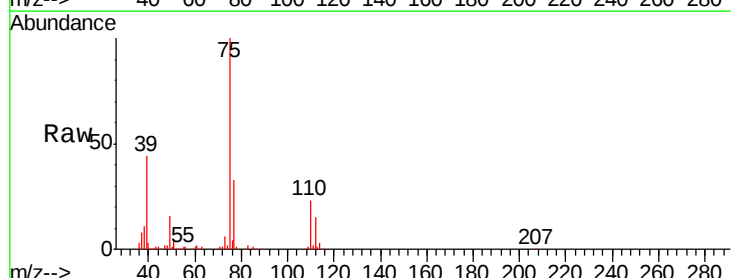
Manual Integrations
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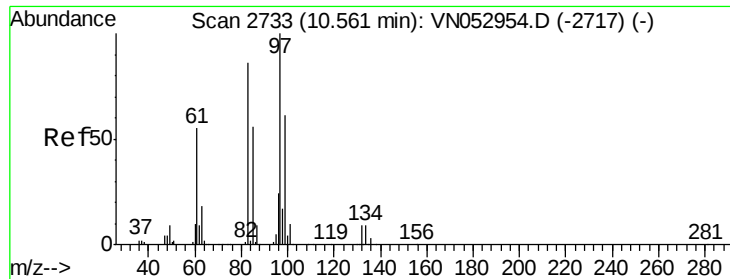
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#54
cis-1,3-Dichloropropene
Concen: 19.016 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion: 75 Resp: 351645
Ion Ratio Lower Upper
75 100
77 32.7 25.8 38.8
39 43.4 34.8 52.2





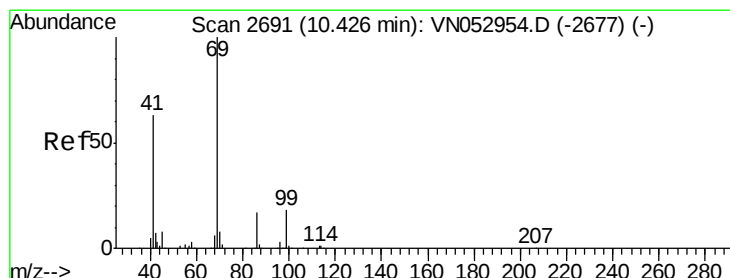
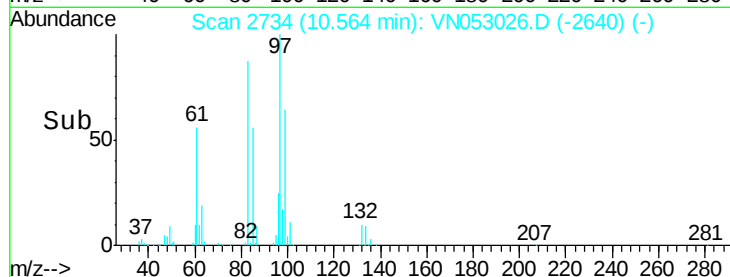
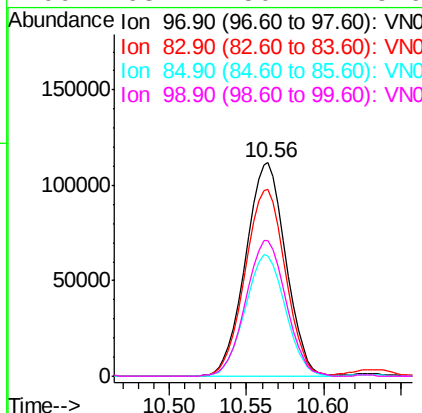
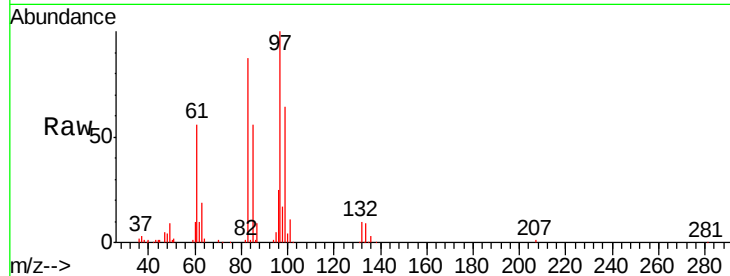
#55
 1,1,2-Trichloroethane
 Concen: 19.769 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.9	106.3
85	56.5	45.4	68.2
99	63.7	50.4	75.6

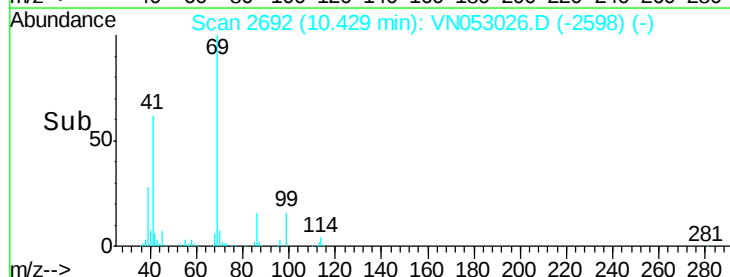
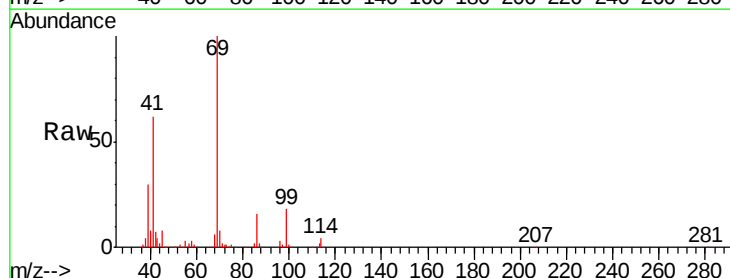
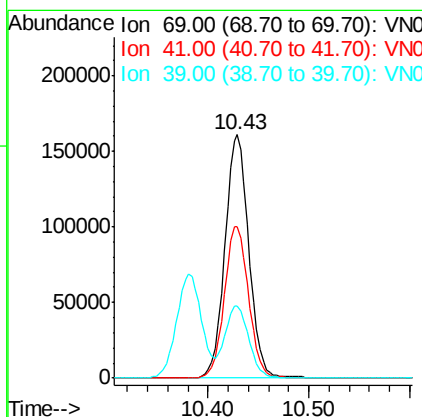
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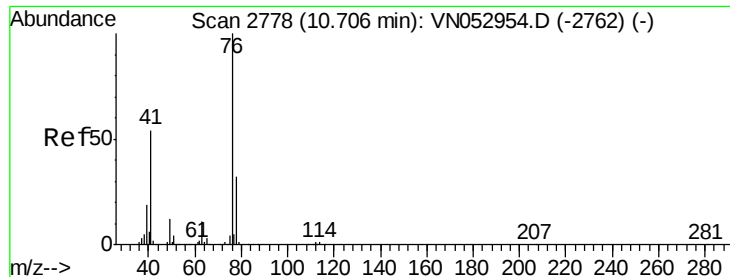
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#56
 Ethyl methacrylate
 Concen: 19.564 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.3	51.7	77.5
39	29.8	24.6	37.0





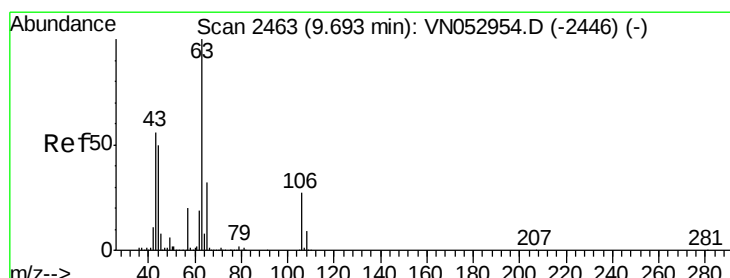
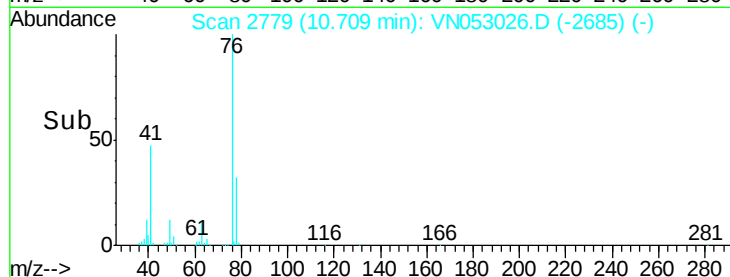
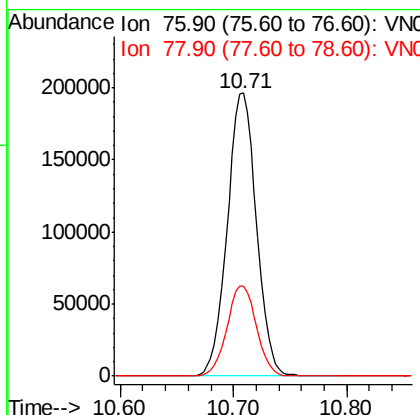
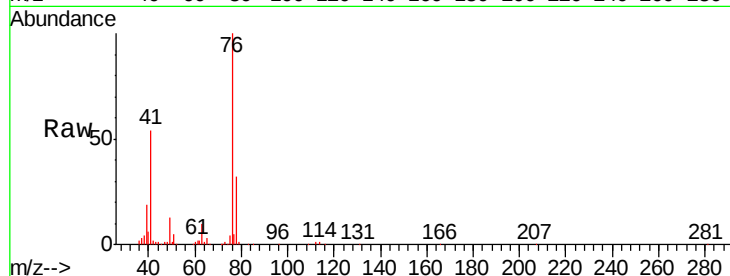
#57
 1,3-Dichloropropane
 Concen: 19.960 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS02

Tgt Ion: 76 Resp: 351573
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8

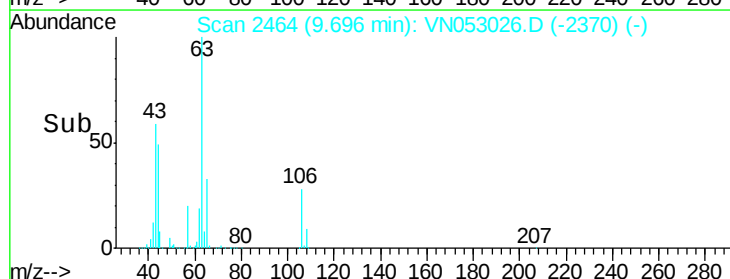
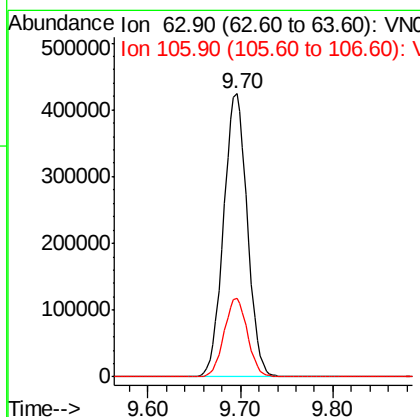
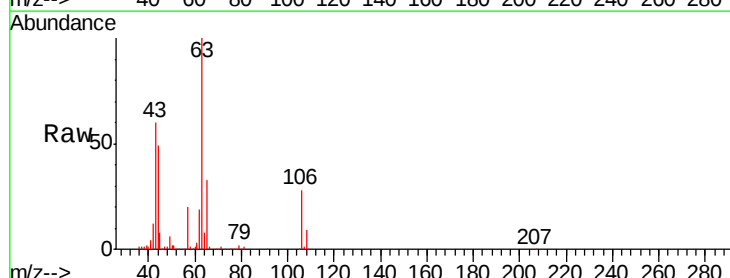
Manual Integrations
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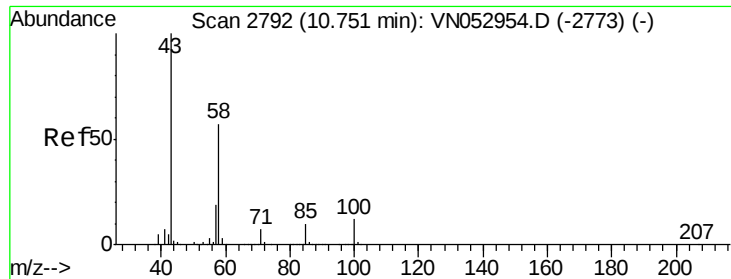
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#58
 2-Chloroethyl Vinyl ether
 Concen: 100.733 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Tgt Ion: 63 Resp: 751847
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.0 31.6





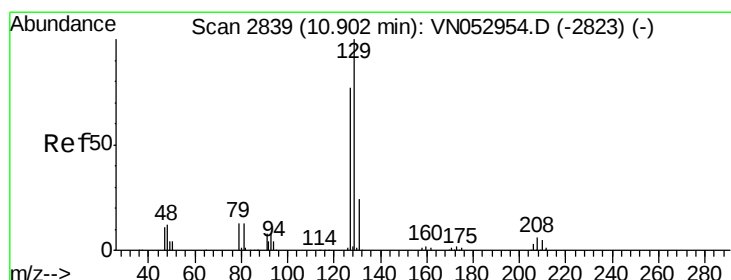
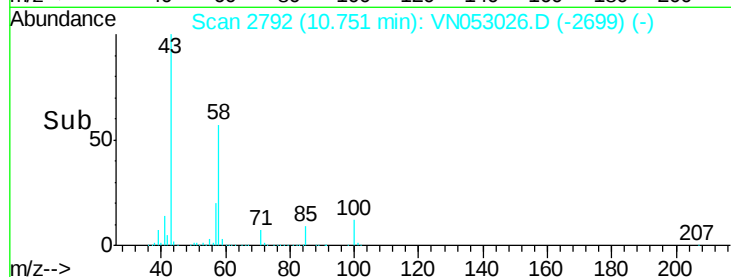
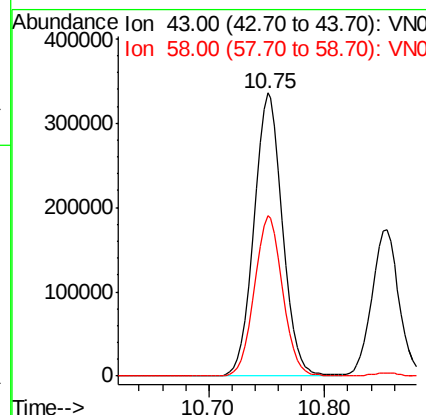
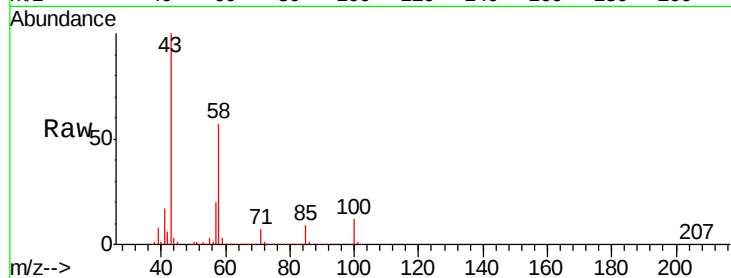
#59
2-Hexanone
Concen: 98.356 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tgt Ion: 43 Resp: 574518
Ion Ratio Lower Upper
43 100
58 56.6 28.1 84.3

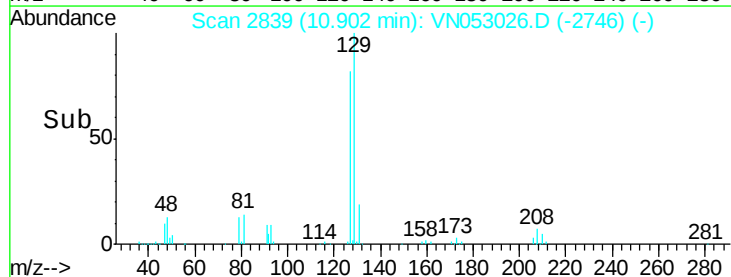
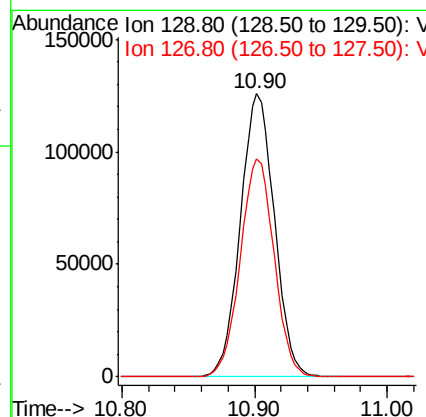
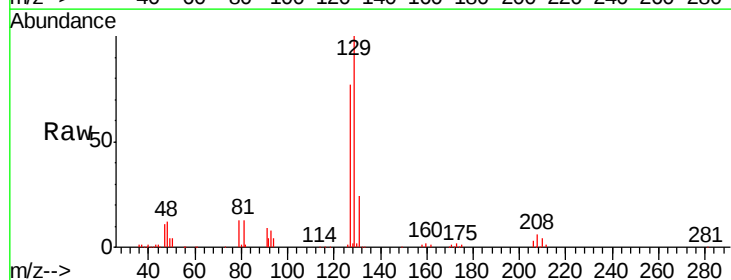
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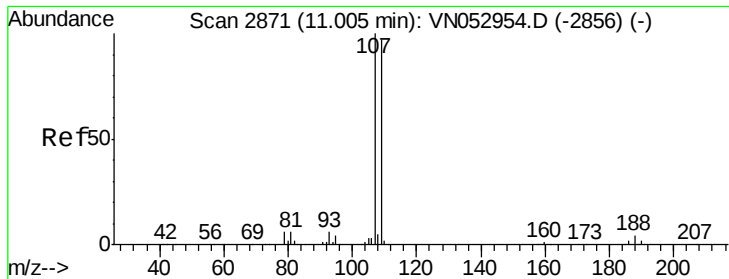
MMDadoda
12/20/2018 4:58:40 PM



#60
Dibromochloromethane
Concen: 19.077 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion: 129 Resp: 224301
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





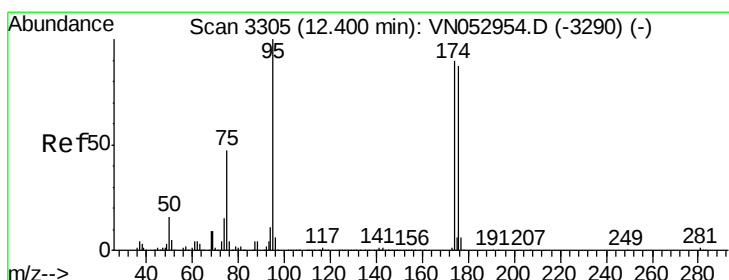
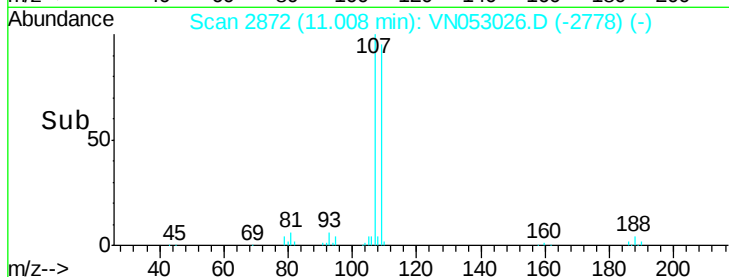
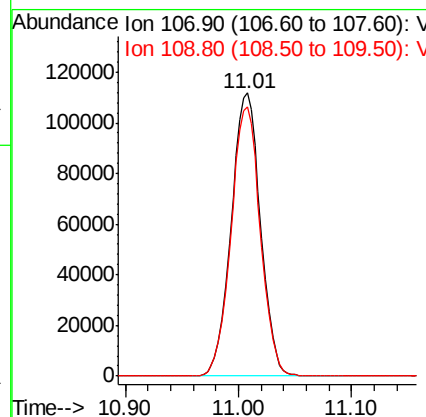
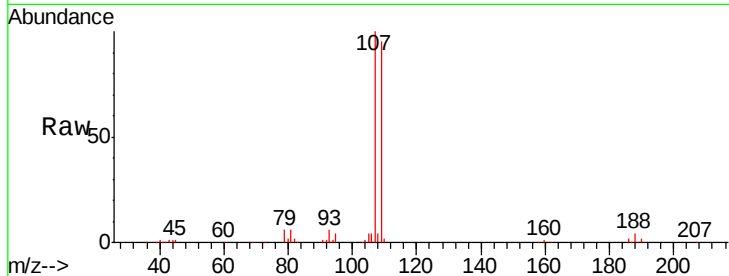
#61
 1,2-Dibromoethane
 Concen: 19.278 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS02

Tgt Ion: 107 Resp: 201099
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.4 113.0

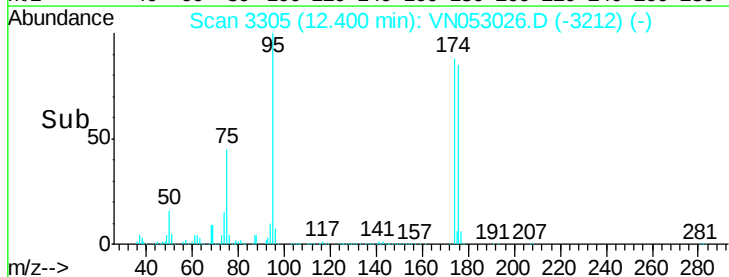
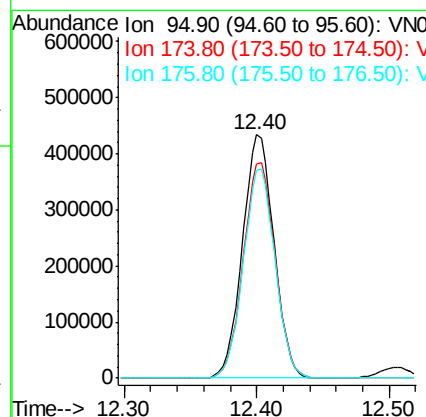
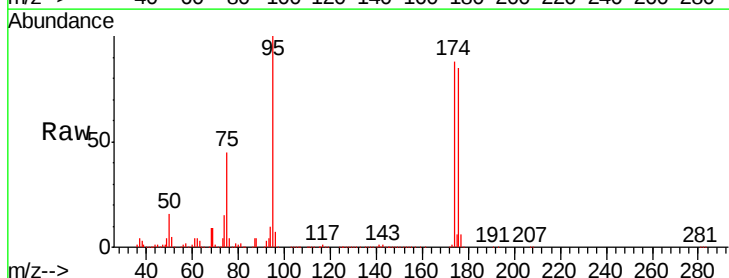
Manual Integrations
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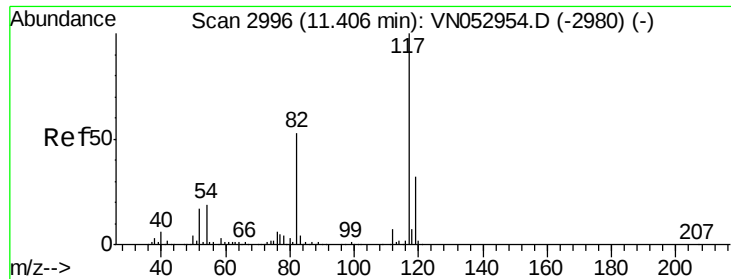
MMDadoda
 12/20/2018 4:58:40 PM



#62
 4-Bromofluorobenzene
 Concen: 19.278 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Tgt Ion: 95 Resp: 714272
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 178.8
 176 86.6 0.0 173.8





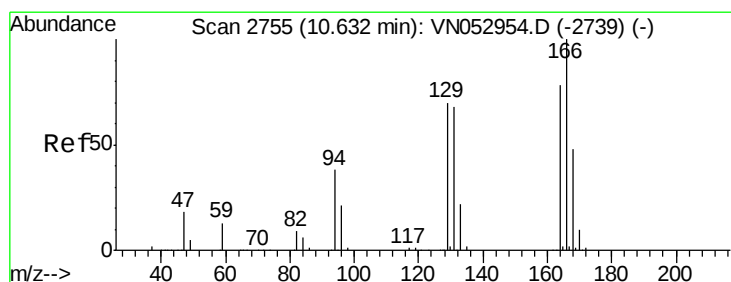
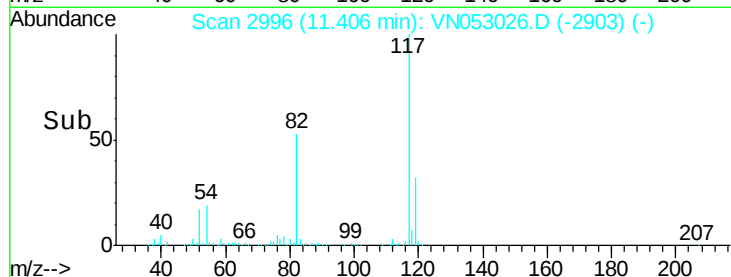
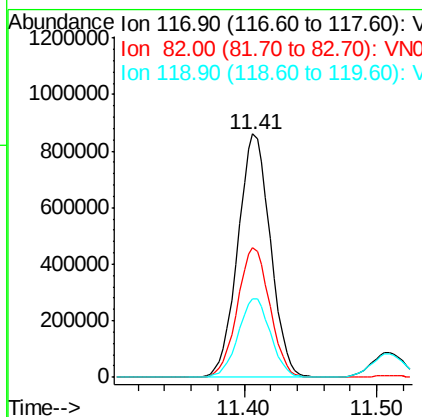
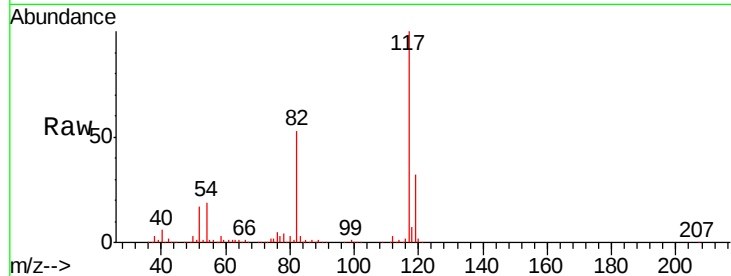
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tgt Ion:117 Resp: 1467721
Ion Ratio Lower Upper
117 100
82 53.4 42.8 64.2
119 32.5 25.5 38.3

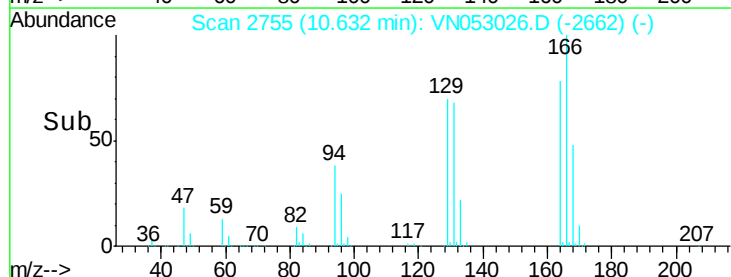
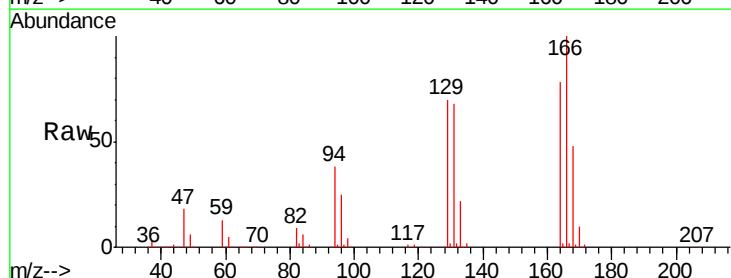
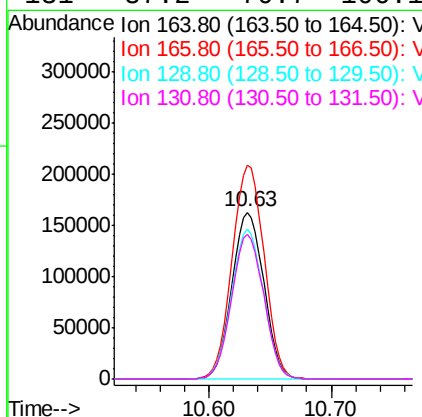
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#64
Tetrachloroethene
Concen: 18.601 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion:164 Resp: 295730
Ion Ratio Lower Upper
164 100
166 128.3 102.9 154.3
129 89.9 73.7 110.5
131 87.2 70.7 106.1





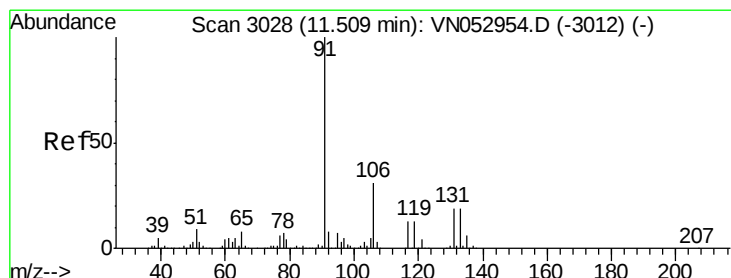
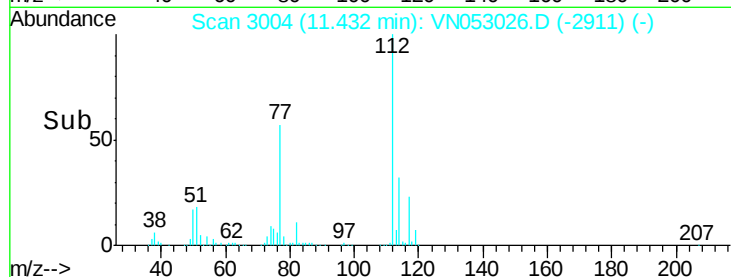
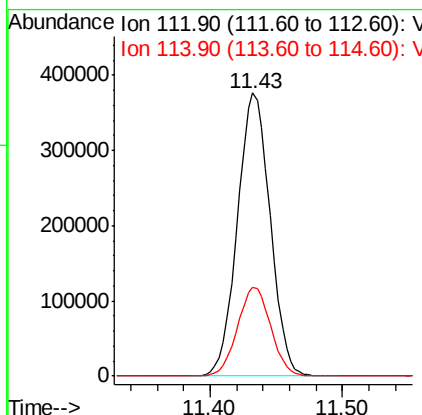
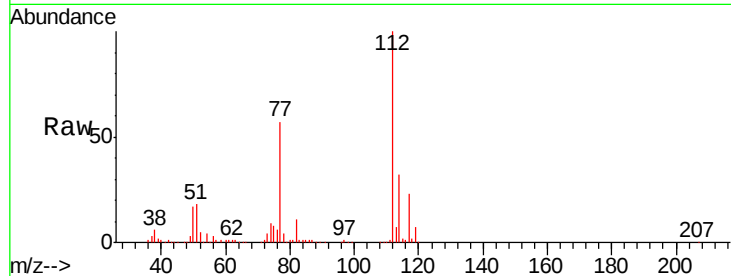
#65
Chlorobenzene
Concen: 19.830 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tgt Ion:112 Resp: 645185
Ion Ratio Lower Upper
112 100
114 31.6 25.5 38.3

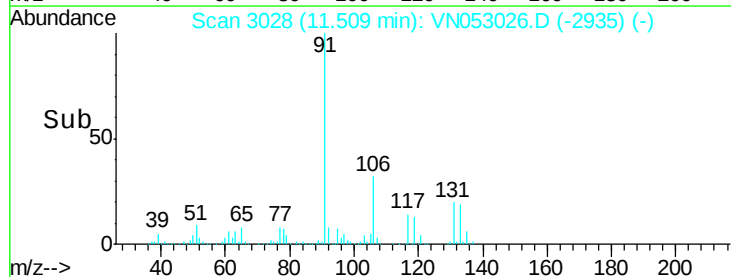
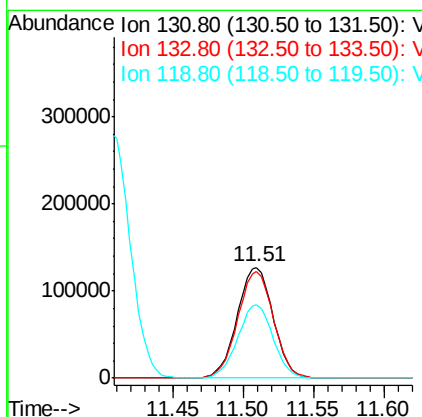
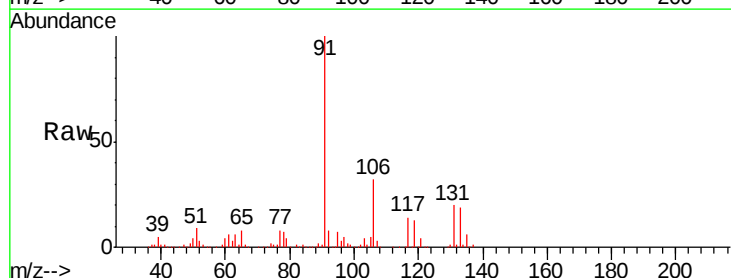
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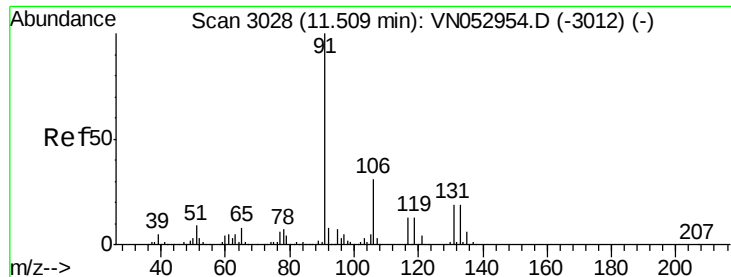
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.055 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion:131 Resp: 226904
Ion Ratio Lower Upper
131 100
133 95.8 47.6 142.9
119 65.3 33.3 99.8





#67

Ethyl Benzene

Concen: 19.643 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

Tgt Ion: 91 Resp: 1099089

Ion Ratio Lower Upper

91 100

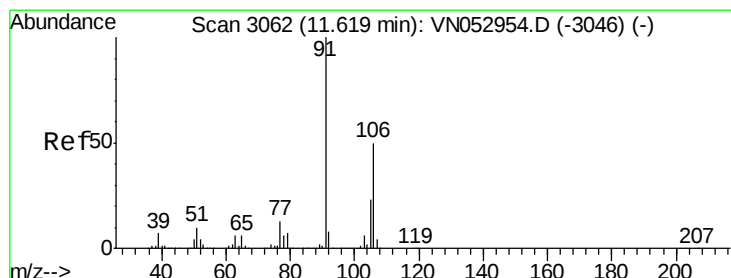
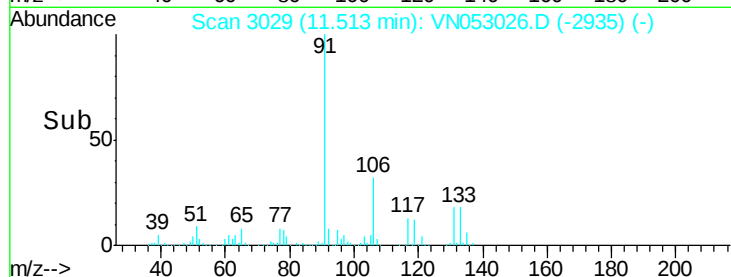
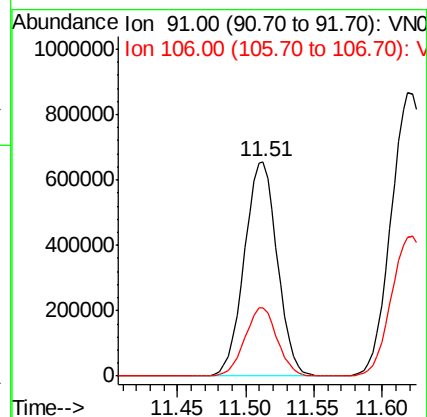
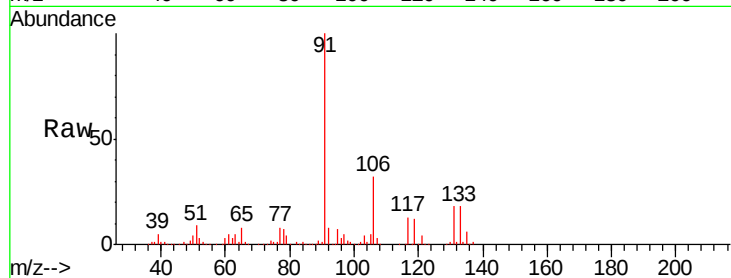
106 32.1 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.153 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053026.D

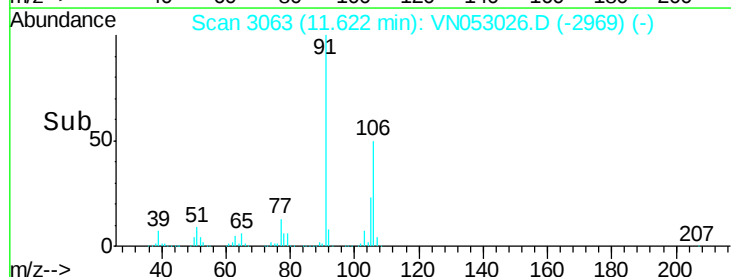
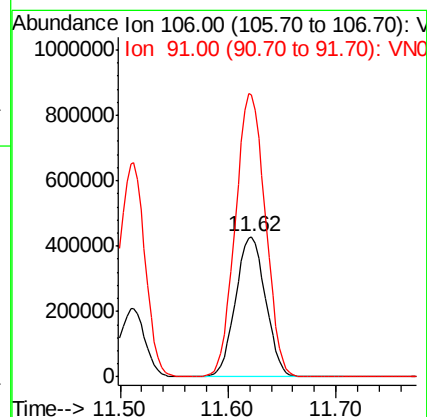
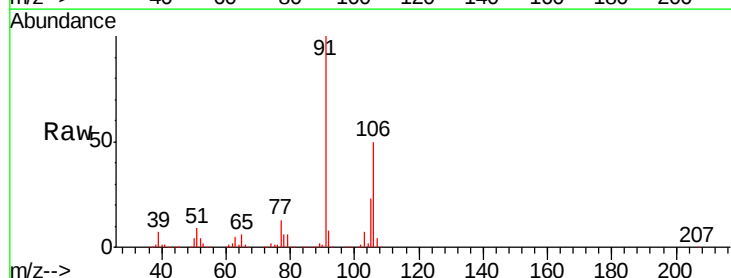
Acq: 19 Dec 2018 22:50

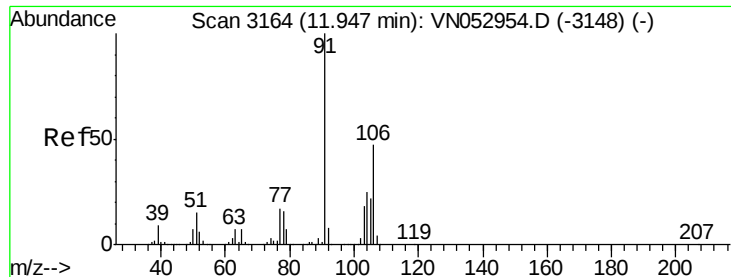
Tgt Ion: 106 Resp: 832796

Ion Ratio Lower Upper

106 100

91 202.4 162.2 243.4





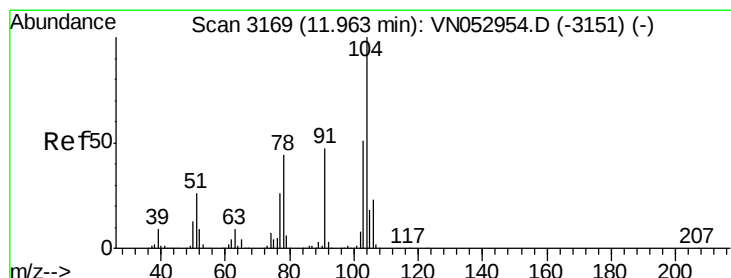
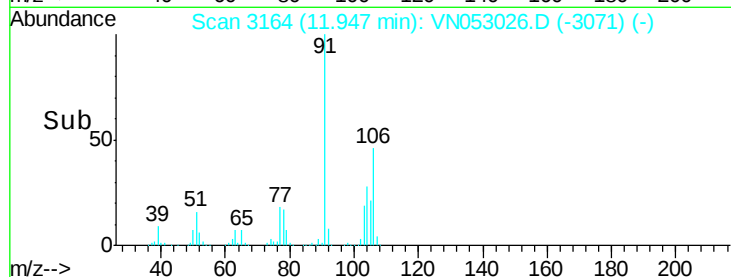
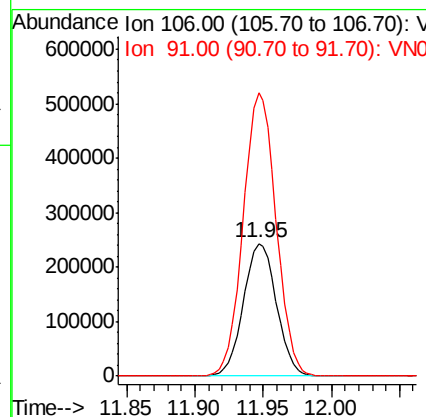
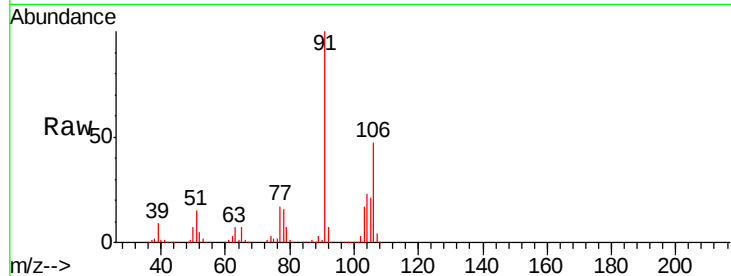
#69
o-Xylene
Concen: 20.059 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tgt Ion:106 Resp: 409412
Ion Ratio Lower Upper
106 100
91 211.9 106.6 319.8

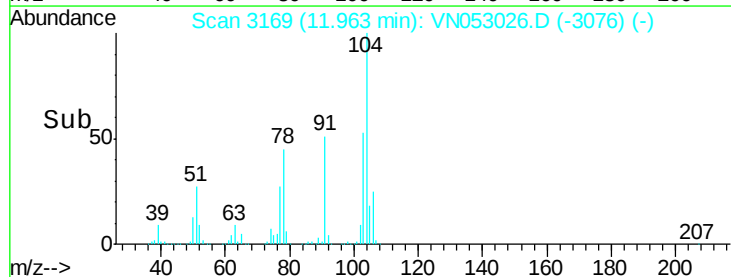
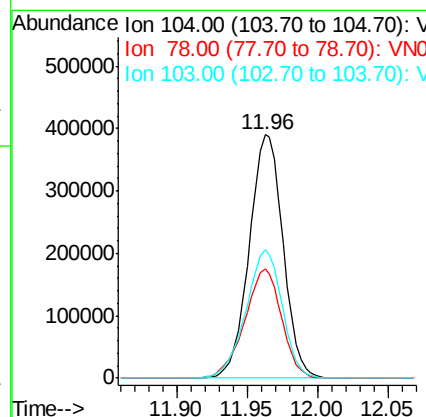
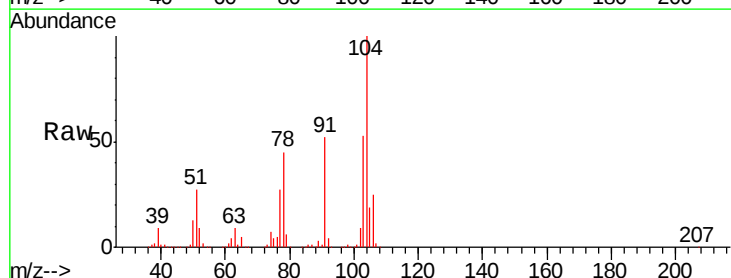
Manual Integrations
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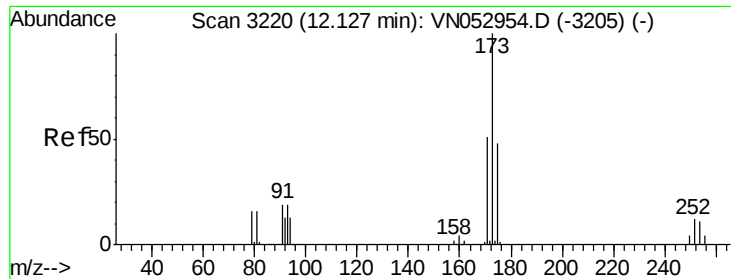
MMDadoda
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#70
Styrene
Concen: 19.700 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion:104 Resp: 655661
Ion Ratio Lower Upper
104 100
78 48.7 38.9 58.3
103 56.7 44.3 66.5





#71

Bromoform

Concen: 17.950 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

Tgt Ion:173 Resp: 146716

Ion Ratio Lower Upper

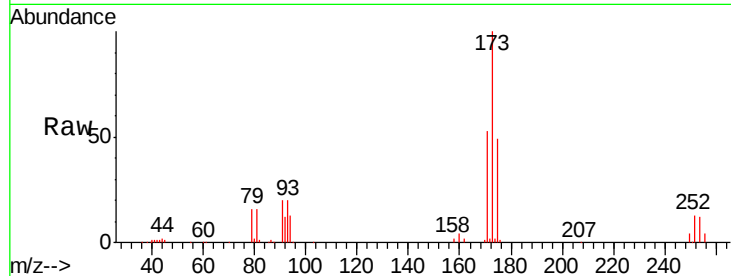
173 100

175 50.2 24.3 72.9

254 0.0 0.1 0.1#

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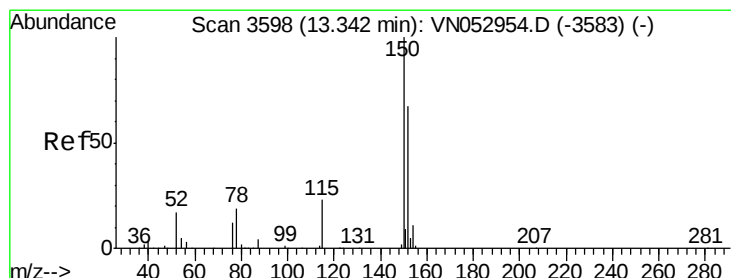
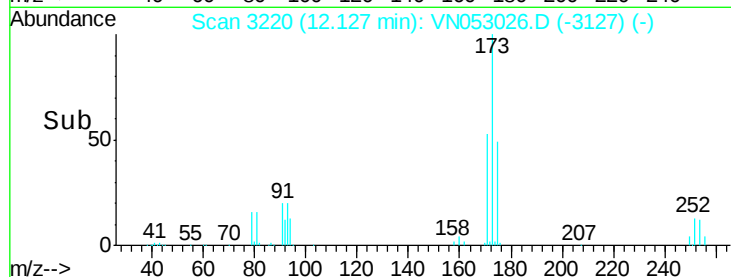
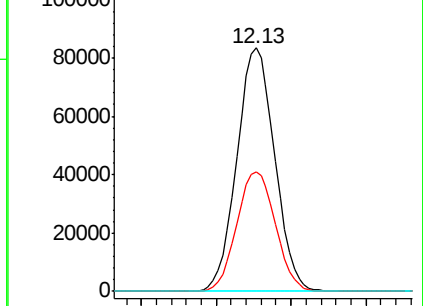
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

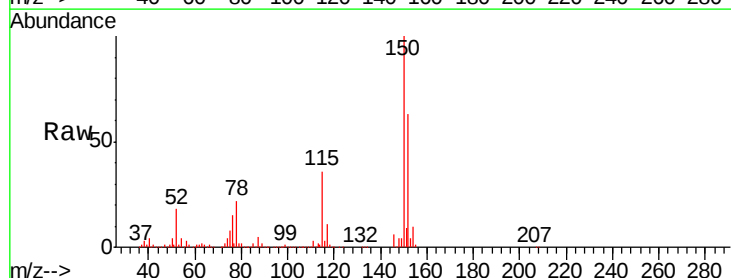
Tgt Ion:152 Resp: 664715

Ion Ratio Lower Upper

152 100

115 56.2 28.3 85.0

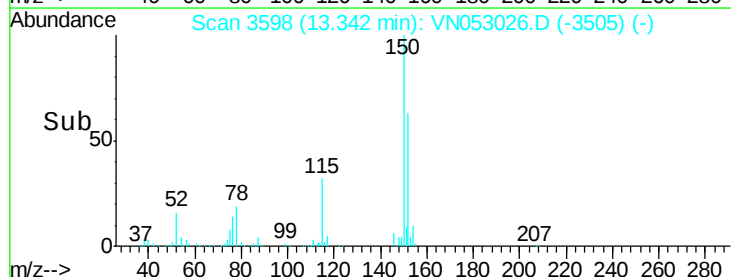
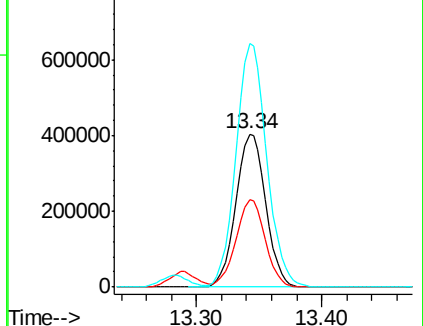
150 164.2 0.0 347.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.596 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

Tgt Ion: 105 Resp: 1071185

Ion Ratio Lower Upper

105 100

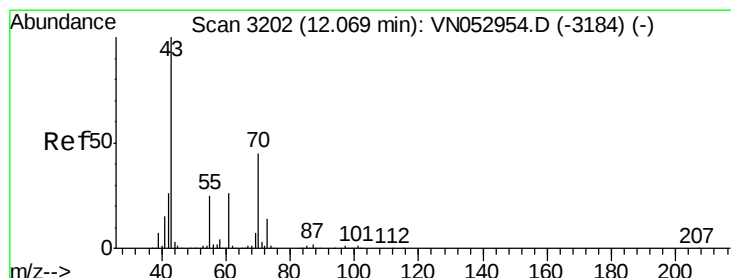
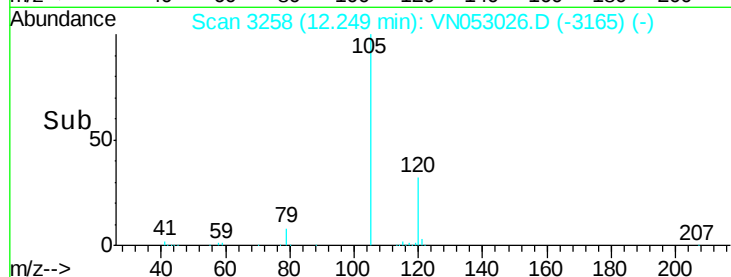
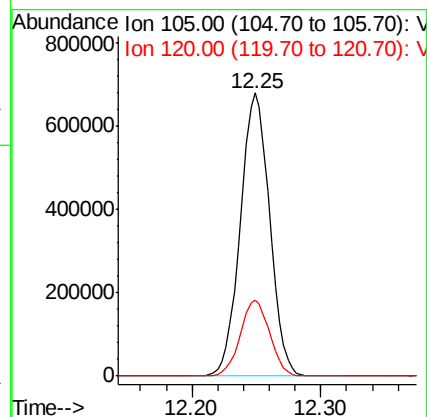
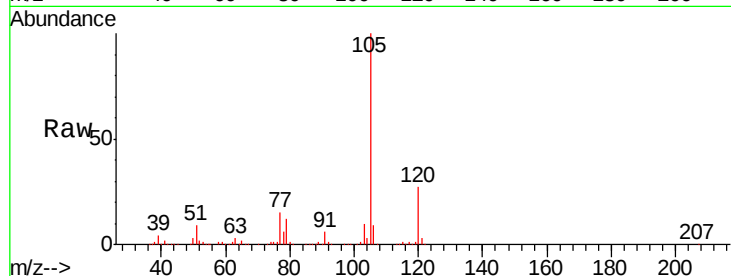
120 27.0 13.3 39.9

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#74

N-ethyl acetate

Concen: 20.450 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Tgt Ion: 43 Resp: 295282

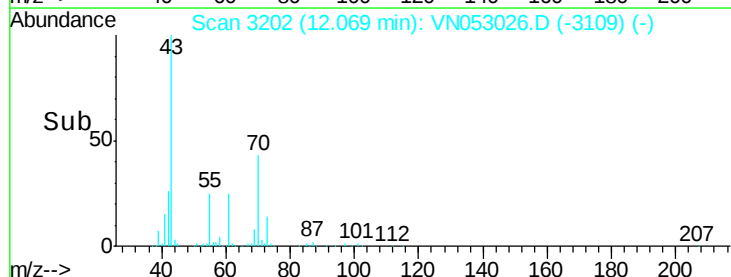
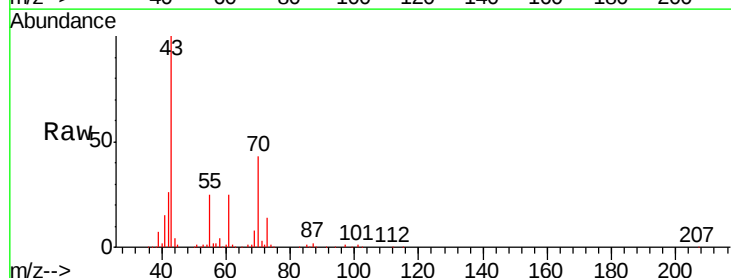
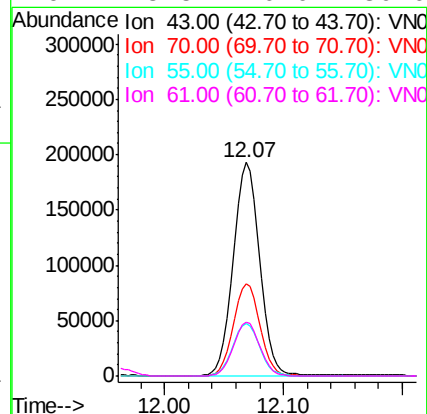
Ion Ratio Lower Upper

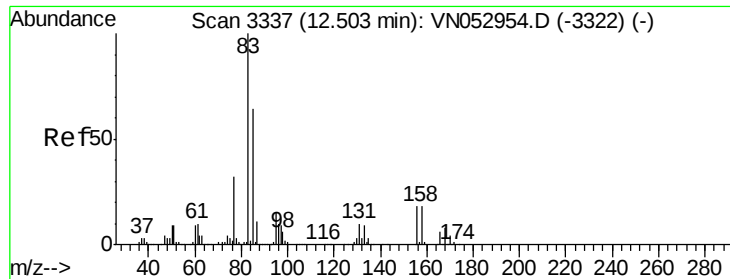
43 100

70 43.8 34.2 51.4

55 25.5 20.3 30.5

61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.876 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

Tgt Ion: 83 Resp: 223203
Ion Ratio Lower Upper

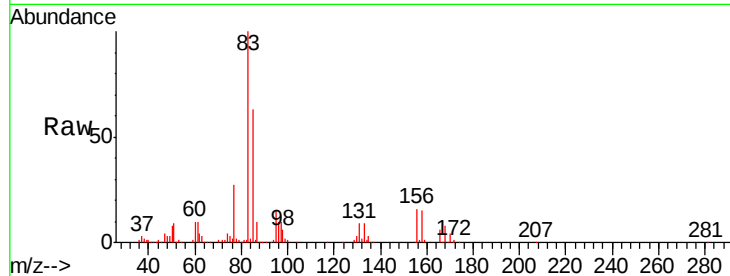
83 100

131 10.3 5.2 15.6

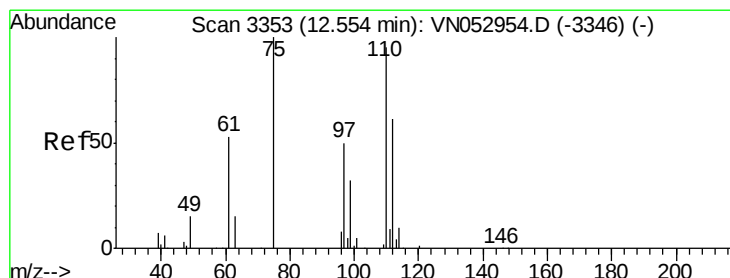
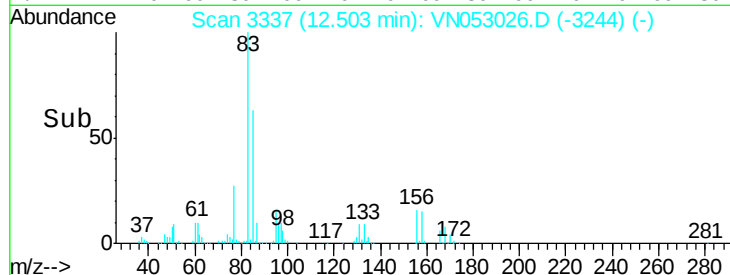
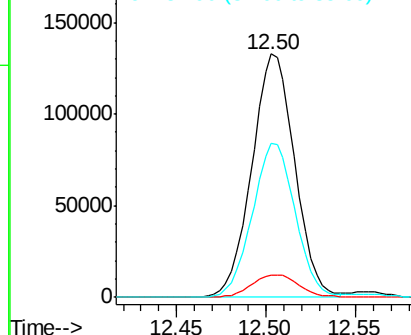
85 63.4 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VN053026.D (-3322) (-)
Ion 130.80 (130.50 to 131.50): VN053026.D (-3322) (-)
Ion 84.90 (84.60 to 85.60): VN053026.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 17.769 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

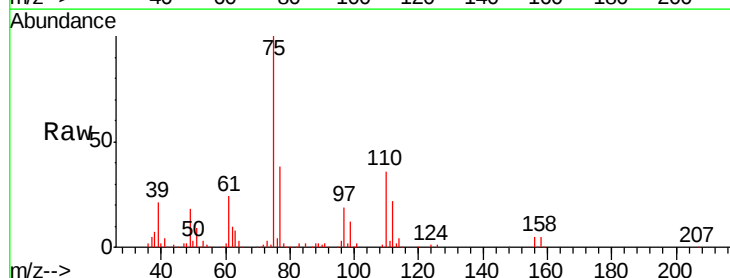
Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

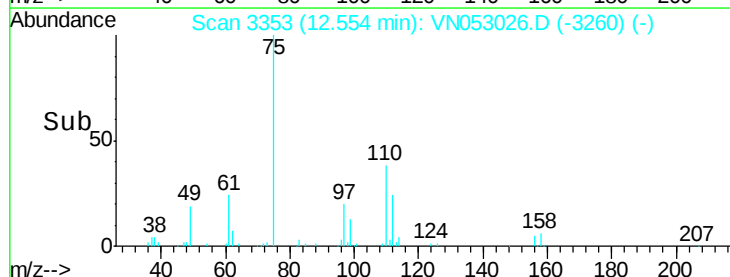
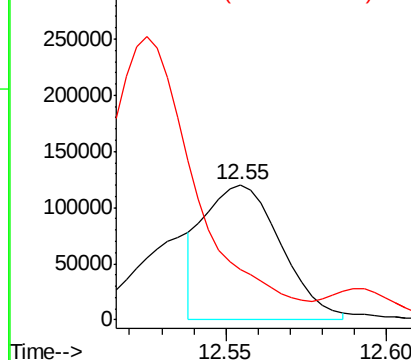
Tgt Ion: 75 Resp: 198836
Ion Ratio Lower Upper

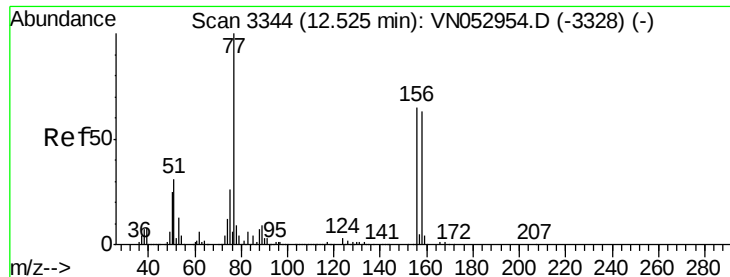
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053026.D (-3353) (-)
Ion 77.00 (76.70 to 77.70): VN053026.D (-3353) (-)





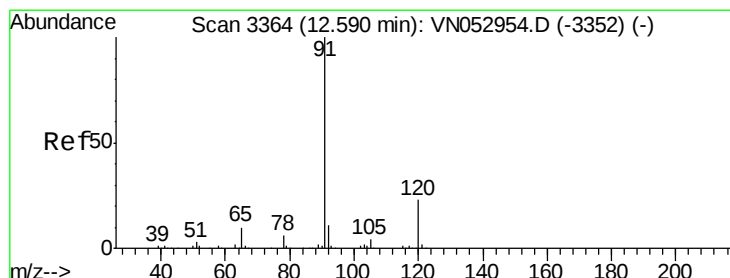
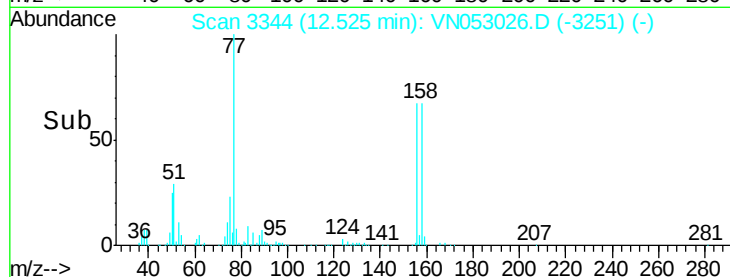
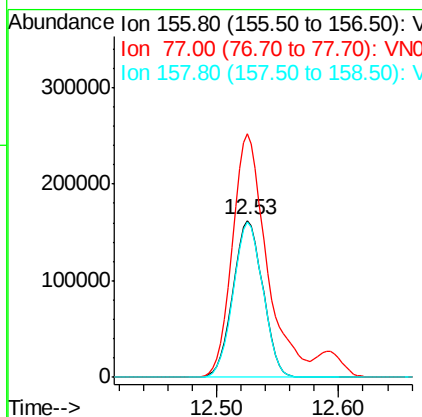
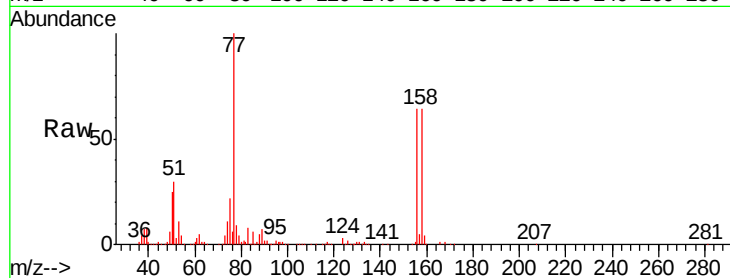
#77
Bromobenzene
Concen: 20.416 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tgt Ion	Ratio	Lower	Upper
156	100		
77	178.8	91.3	273.8
158	98.1	49.0	147.2

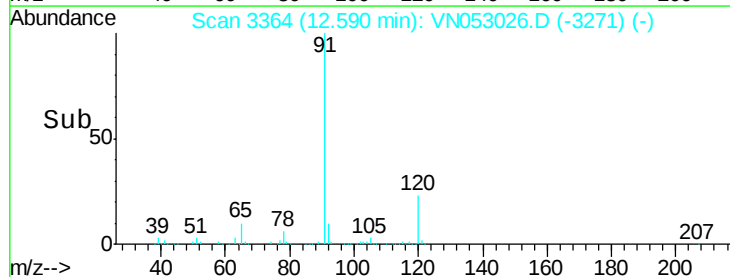
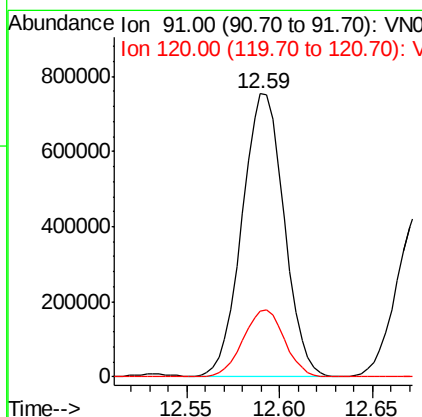
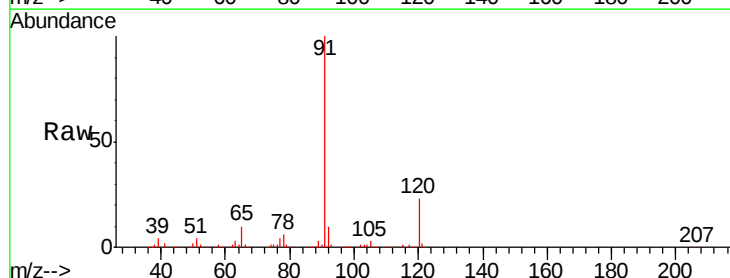
Manual Integrations
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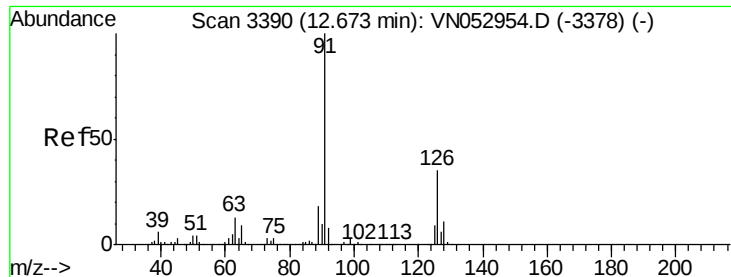
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#78
n-propylbenzene
Concen: 20.085 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.5	34.5





#79

2-Chlorotoluene

Concen: 19.472 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

Tgt Ion: 91 Resp: 714906

Ion Ratio Lower Upper

91 100

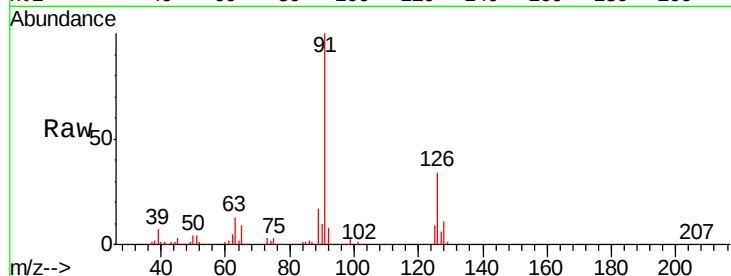
126 35.1 17.4 52.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN053026.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN053026.D (-3297) (-)

800000

600000

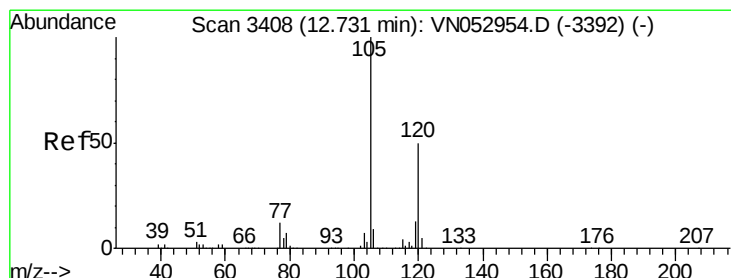
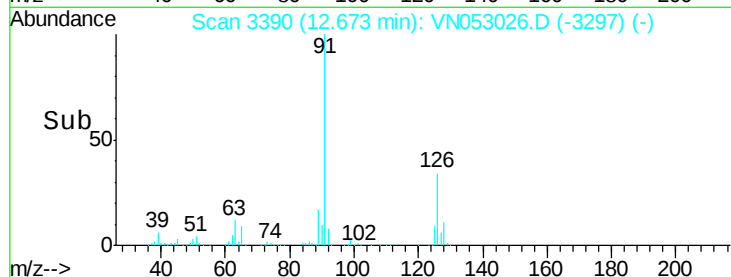
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.940 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053026.D

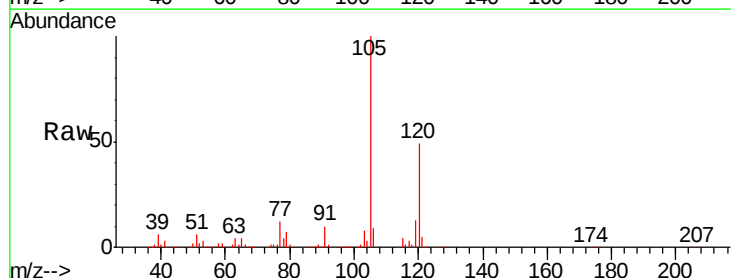
Acq: 19 Dec 2018 22:50

Tgt Ion: 105 Resp: 845293

Ion Ratio Lower Upper

105 100

120 49.9 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN053026.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN053026.D (-3315) (-)

600000

500000

400000

300000

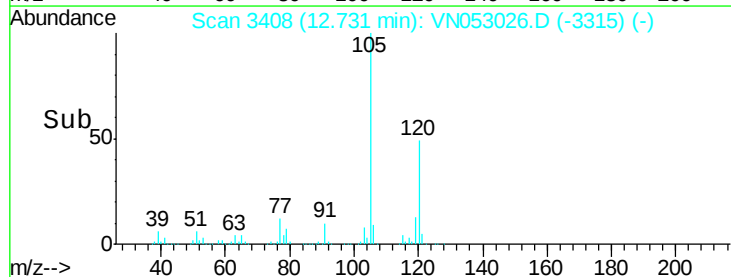
200000

100000

0

12.65 12.70 12.75 12.80

Time-->





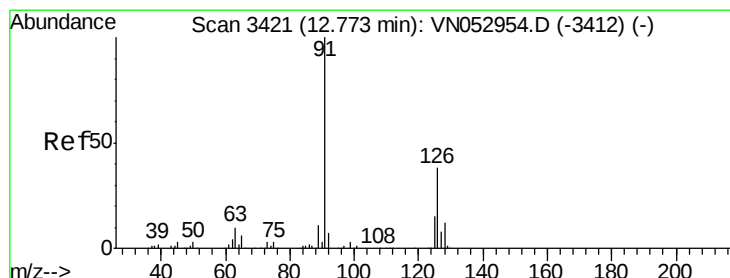
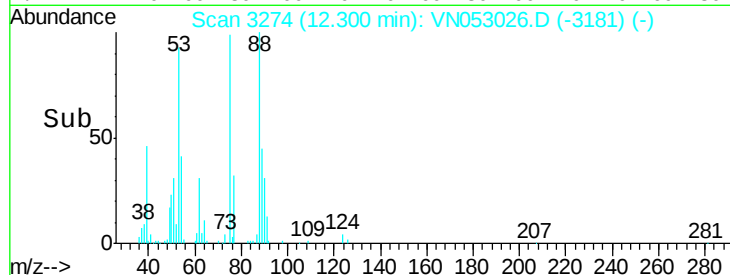
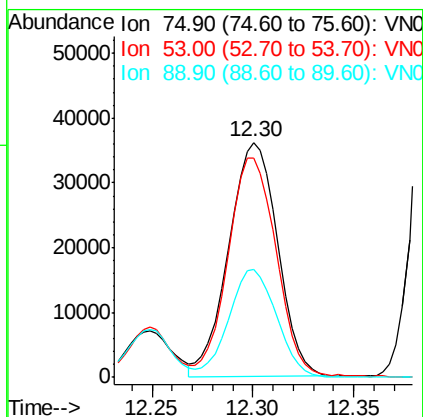
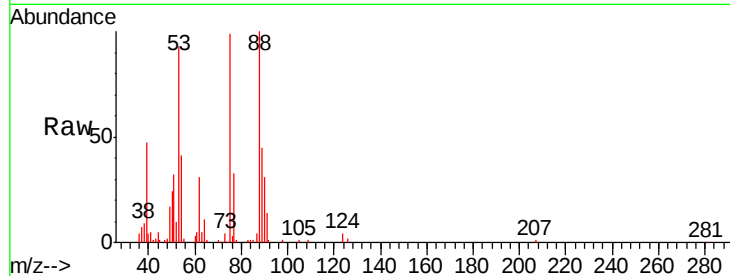
#81
trans-1,4-Dichloro-2-butene
Concen: 17.620 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tgt Ion	Ratio	Lower	Upper
75	100		
53	93.9	74.7	112.1
89	45.1	36.1	54.1

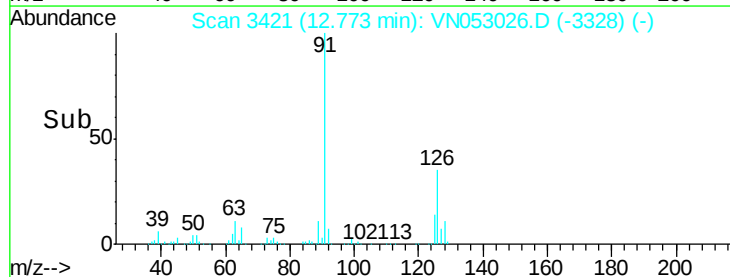
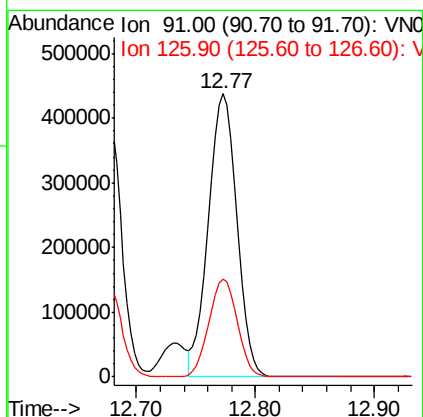
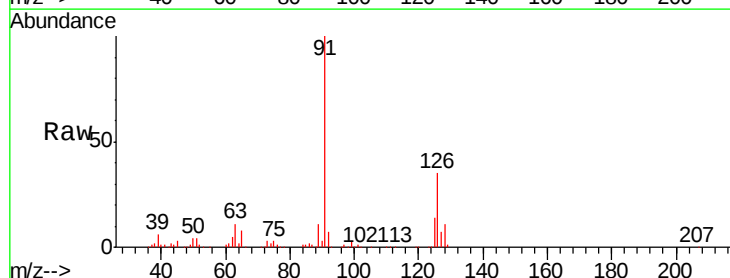
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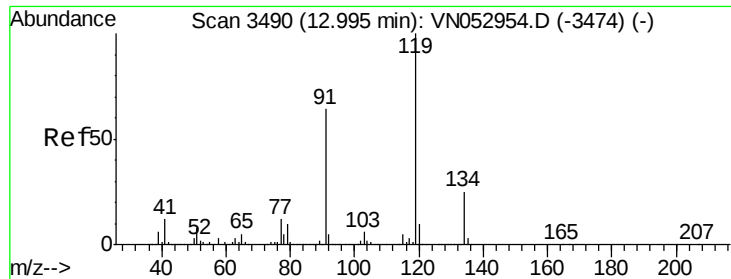
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#82
4-Chlorotoluene
Concen: 20.204 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.3	51.7





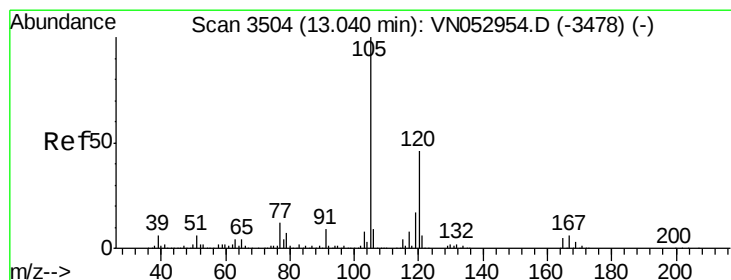
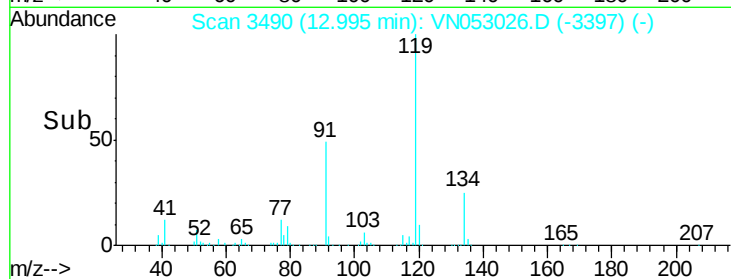
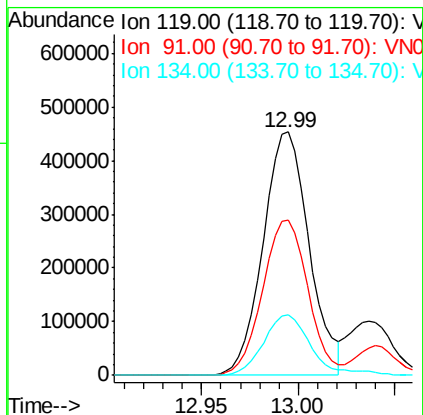
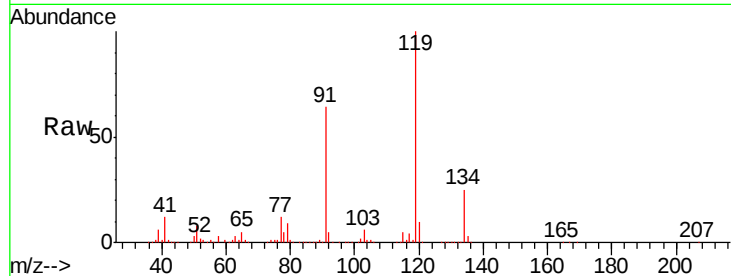
#83
 tert-Butylbenzene
 Concen: 20.042 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	751396		
91	62.7	31.9	95.5	
134	25.7	12.8	38.4	

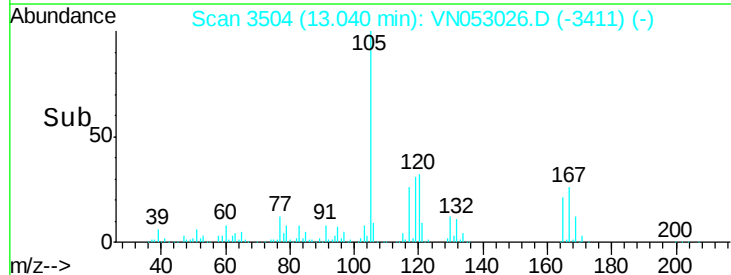
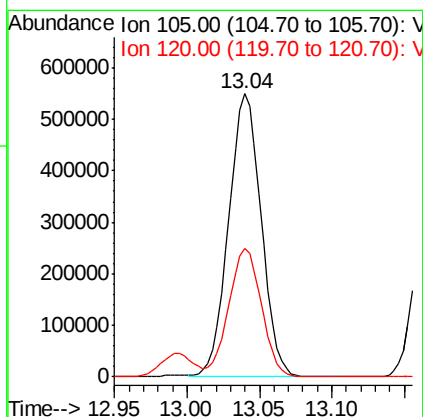
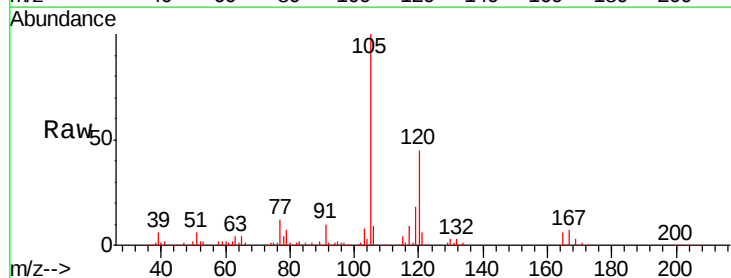
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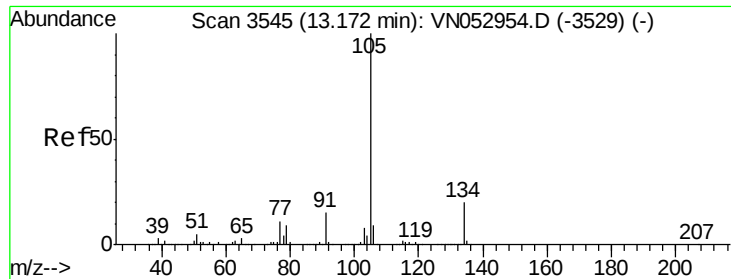
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.066 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	855097		
120	45.8	22.9	68.8	





#85

sec-Butylbenzene

Concen: 19.347 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

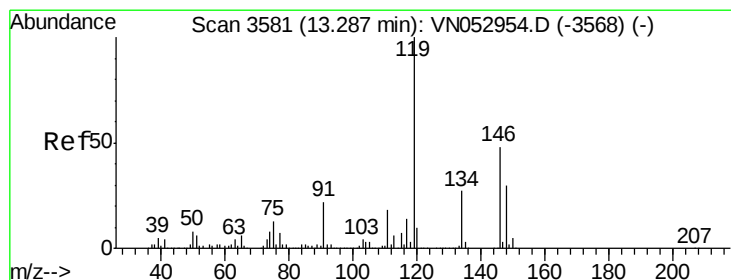
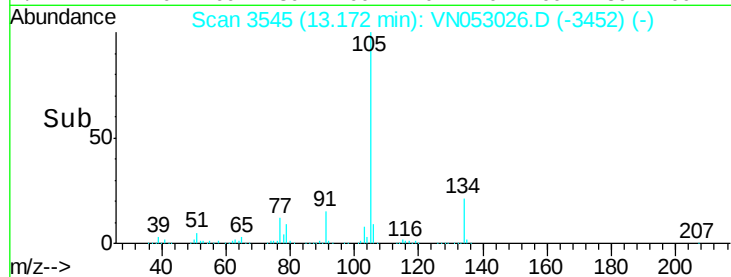
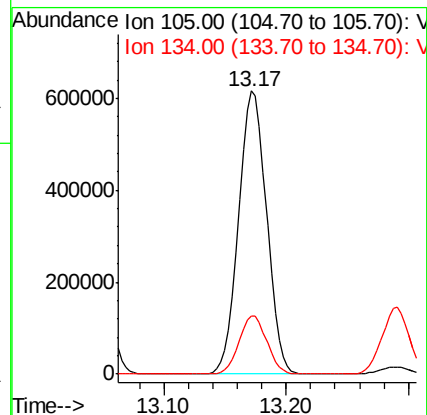
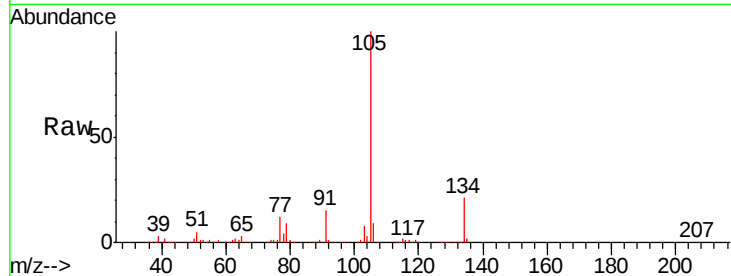
Tgt Ion:105 Resp: 981082
Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 19.247 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053026.D

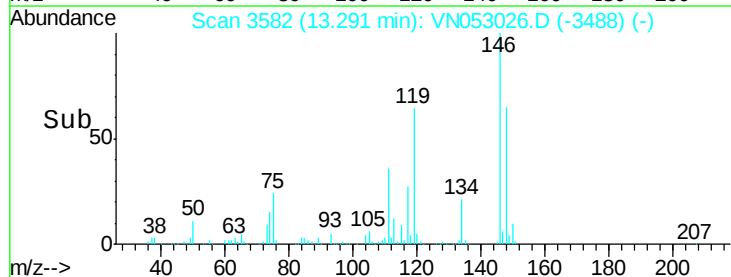
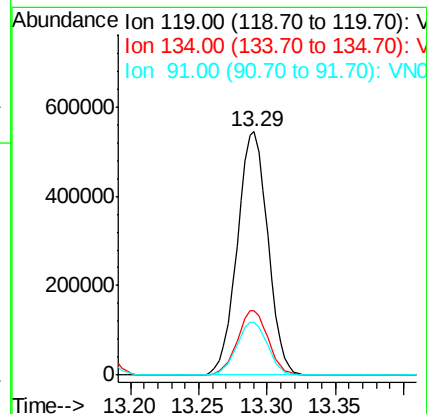
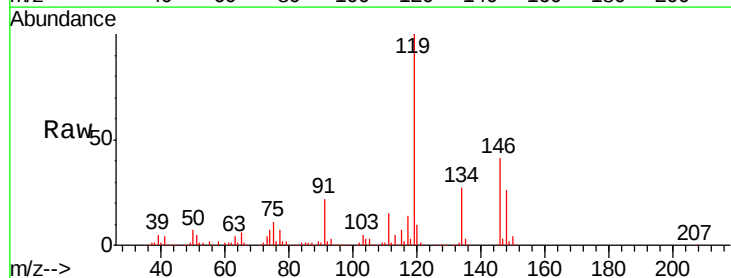
Acq: 19 Dec 2018 22:50

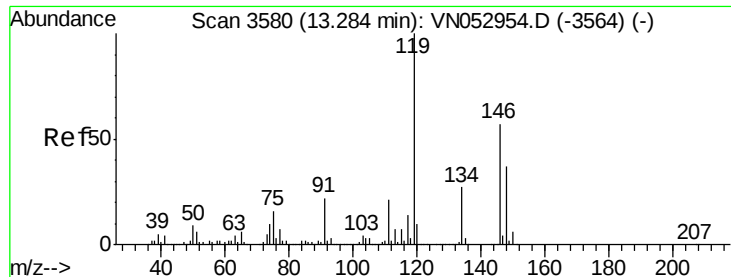
Tgt Ion:119 Resp: 843376
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.0 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 19.645 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

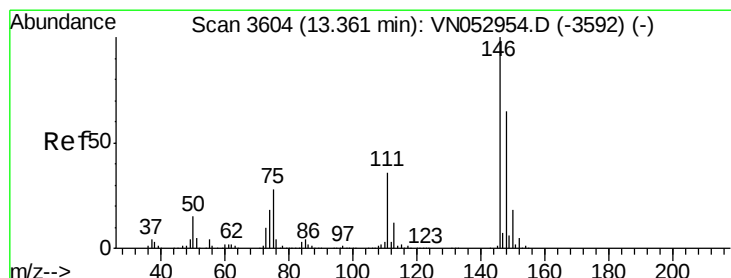
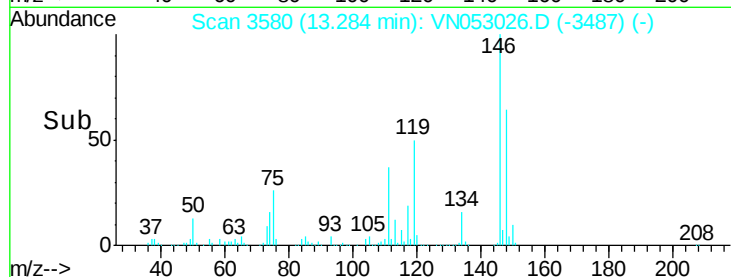
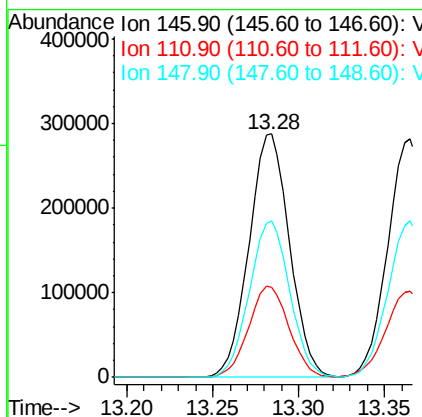
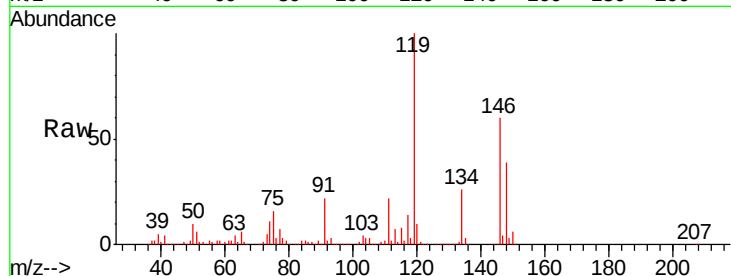
ClientSampleId :

VN1219MBS02

Tgt Ion:	146	Resp:	470059
Ion Ratio	Lower	Upper	
146	100		
111	37.4	19.1	57.1
148	64.0	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.103 ug/l

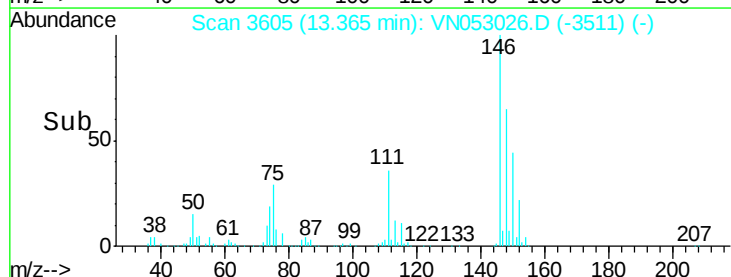
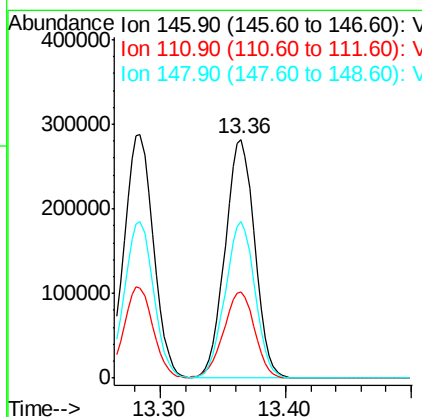
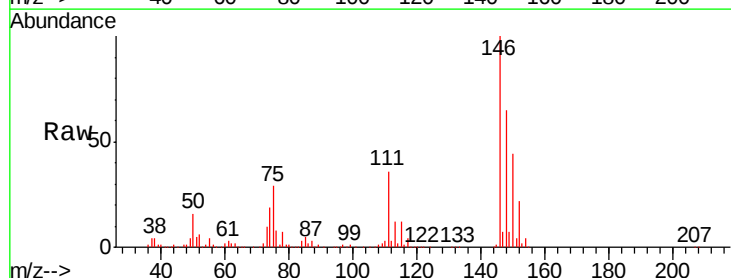
RT: 13.36 min Scan# 3605

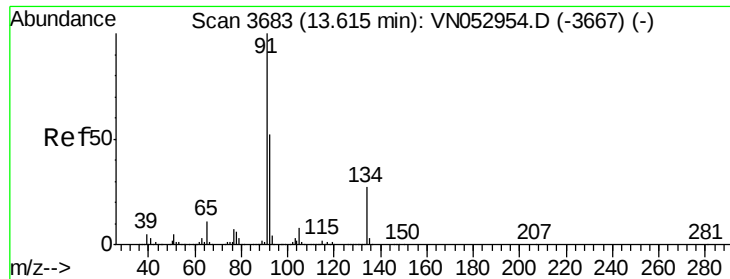
Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Tgt Ion:	146	Resp:	462890
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.6	55.8
148	65.7	32.1	96.5





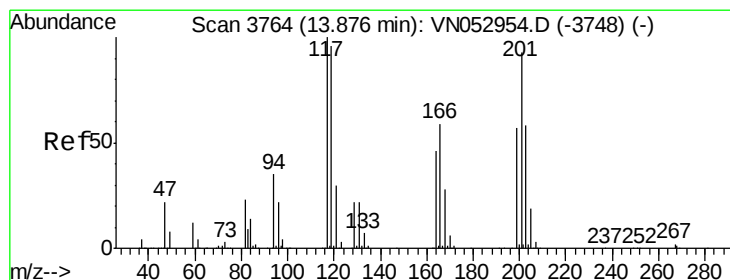
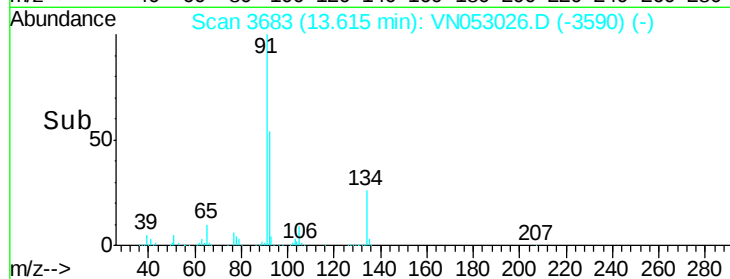
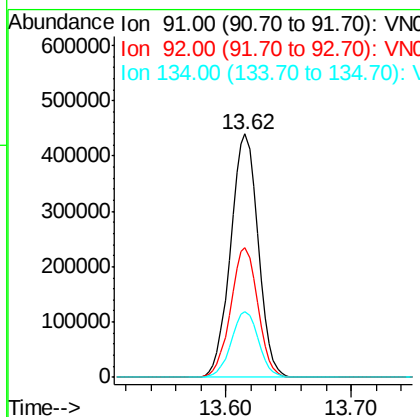
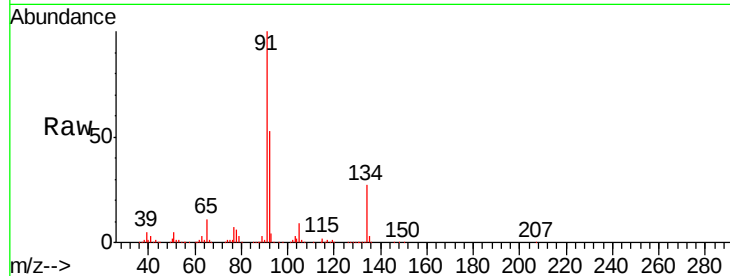
#89
n-Butylbenzene
Concen: 17.744 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	26.7	13.3	39.8

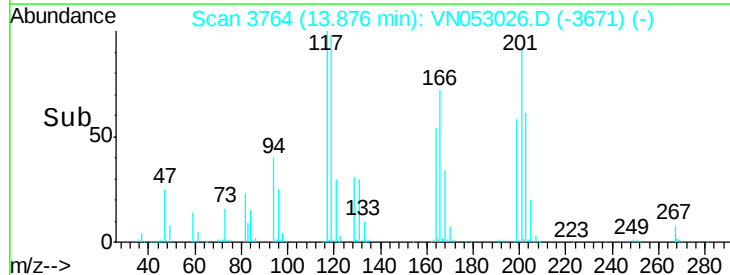
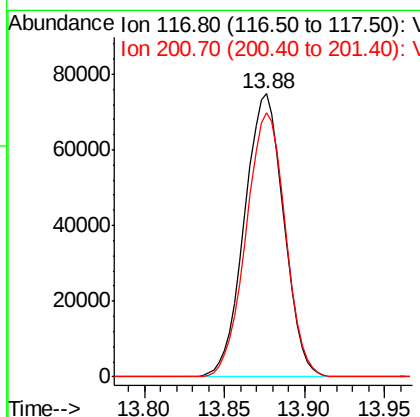
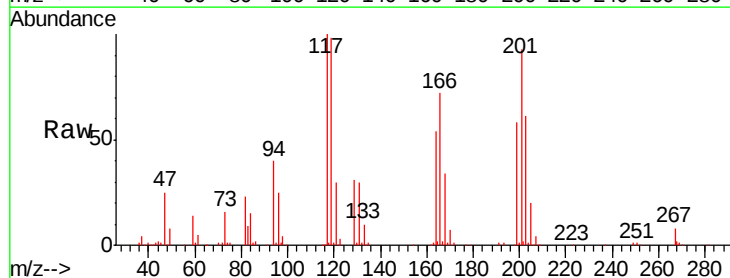
Manual Integrations
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#90
Hexachloroethane
Concen: 18.670 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.4	45.7	137.1





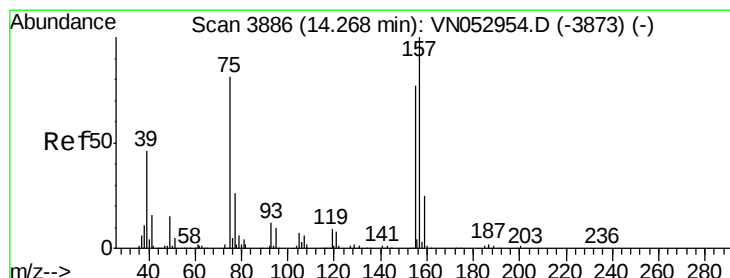
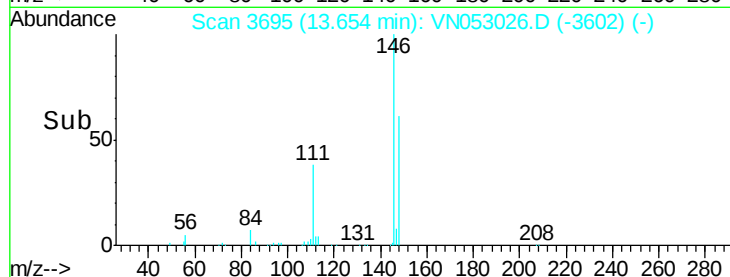
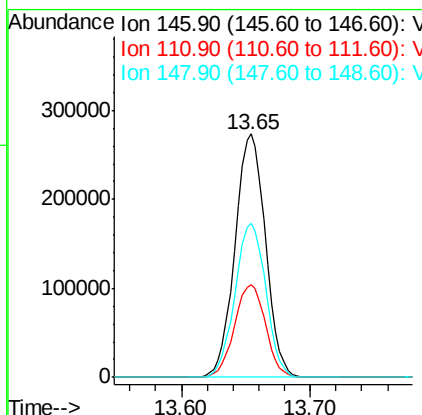
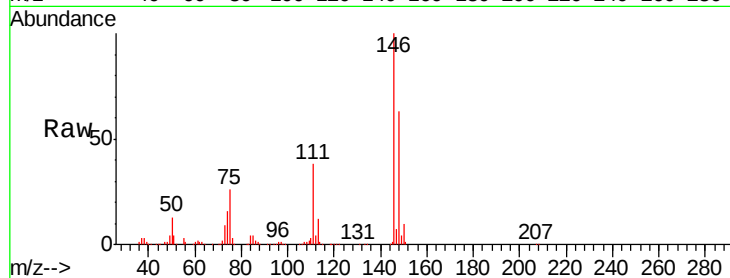
#91
 1,2-Dichlorobenzene
 Concen: 19.941 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	64.2	32.0	96.0

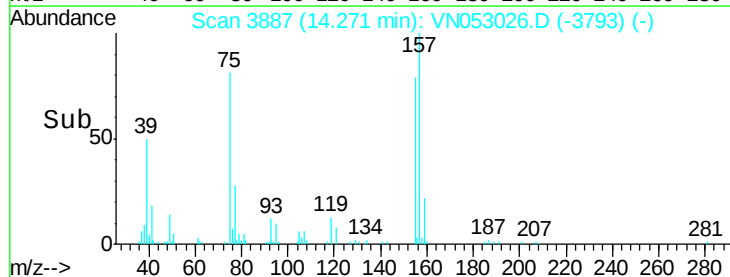
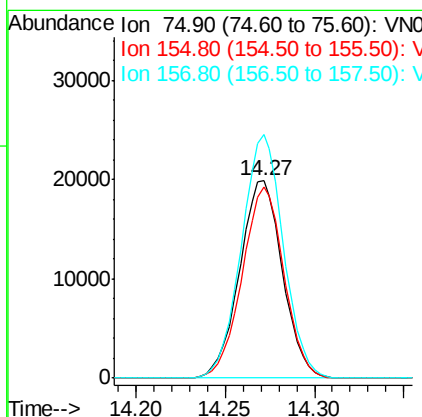
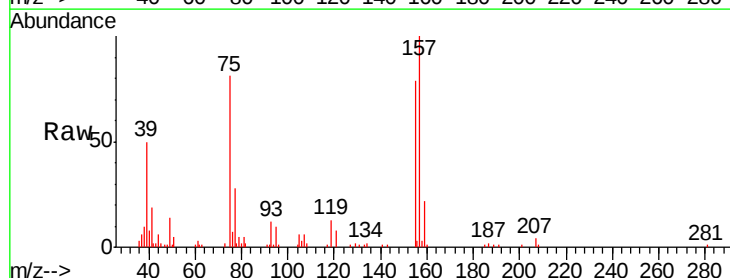
Manual Integrations
 APPROVED

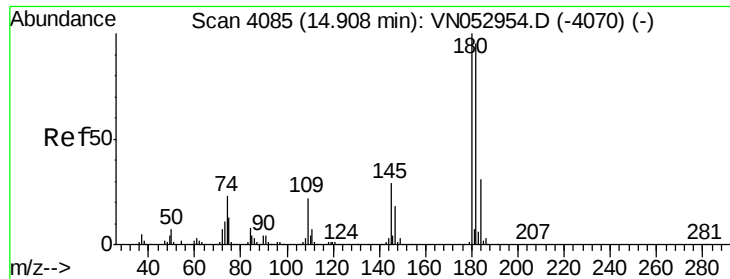
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 12/20/2018 4:58:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.874 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.6	48.2	144.6
157	121.0	61.2	183.5





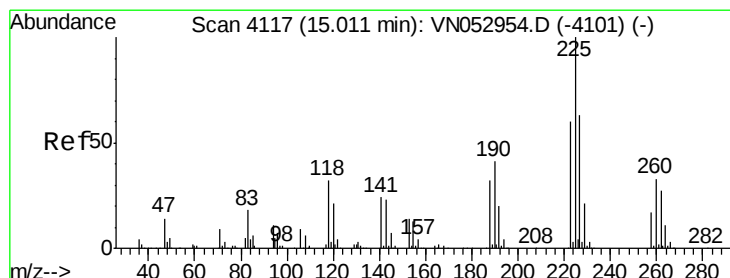
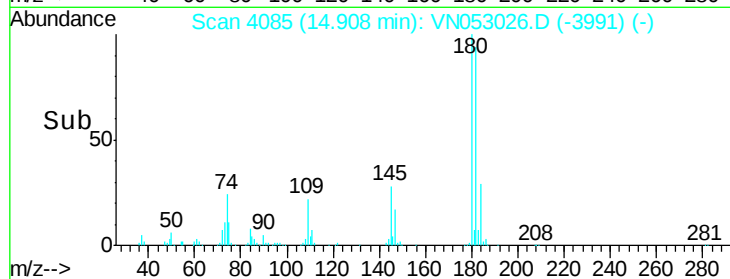
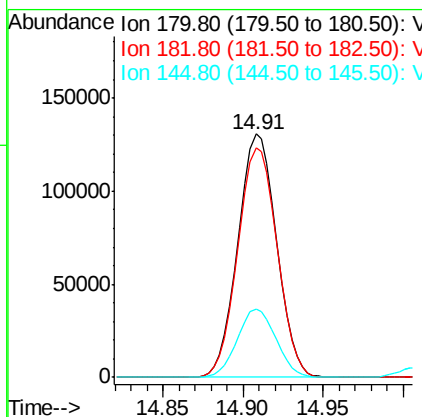
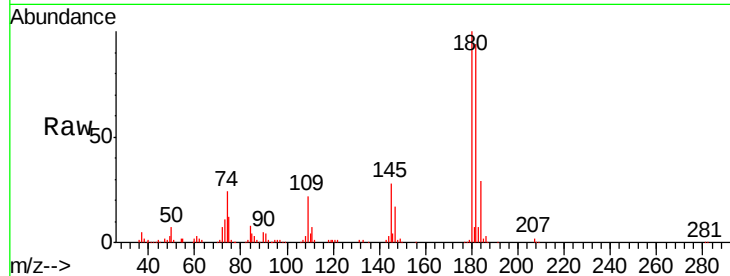
#93
 1,2,4-Trichlorobenzene
 Concen: 18.384 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	214787		
182	96.0	47.8	143.3	
145	28.1	14.2	42.6	

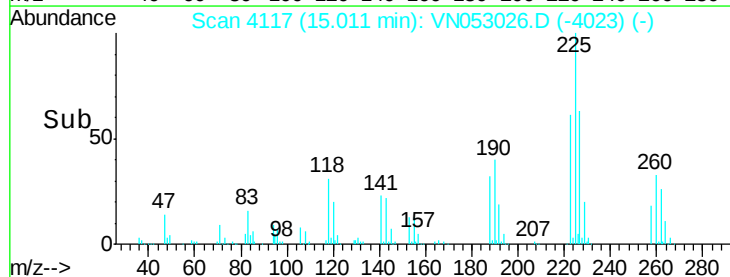
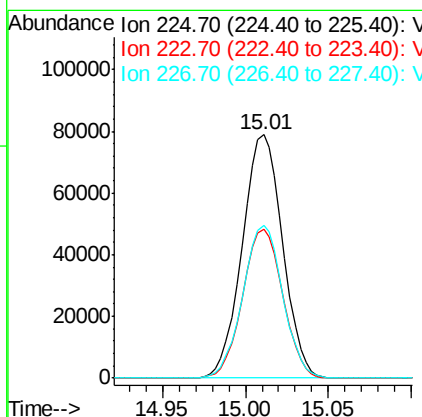
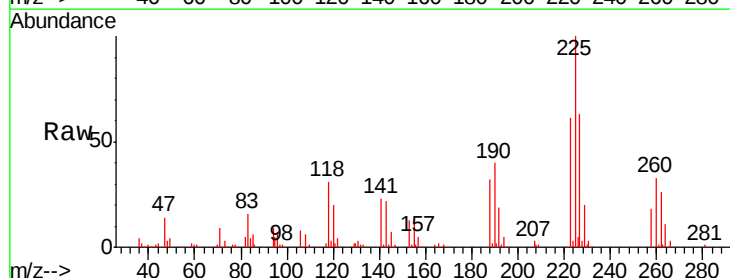
Manual Integrations
 APPROVED

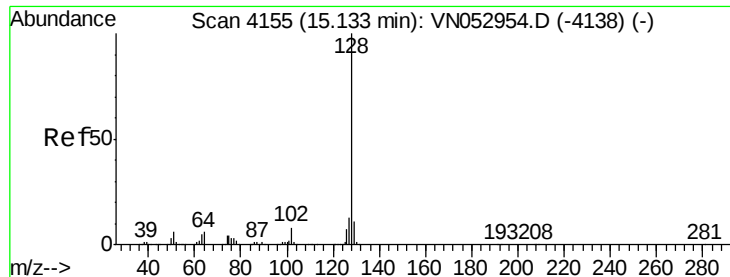
MMDadoda
 12/20/2018 4:58:40 PM



#94
 Hexachlorobutadiene
 Concen: 19.831 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	133208		
223	61.0	31.5	94.5	
227	62.2	31.9	95.7	





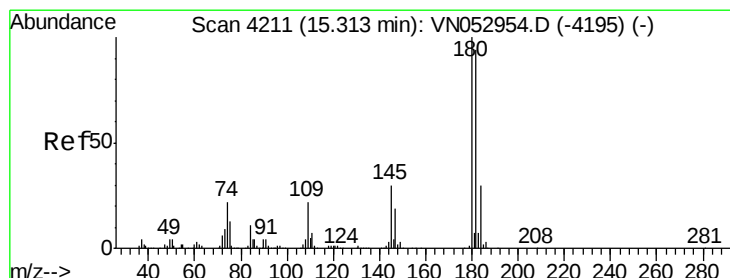
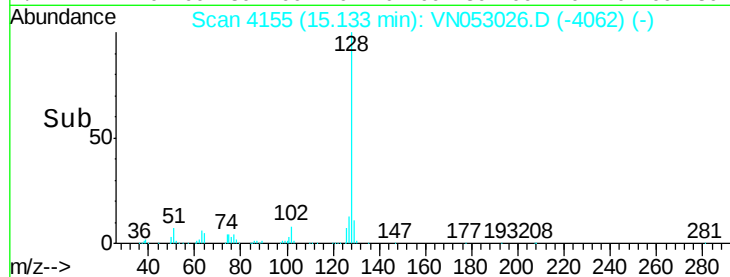
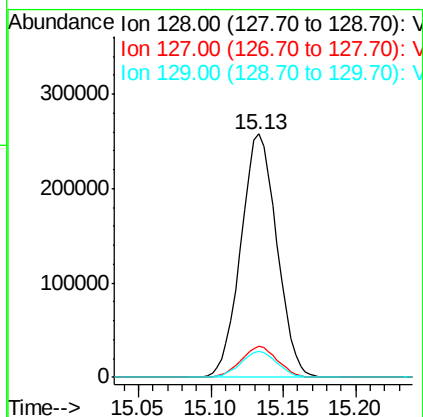
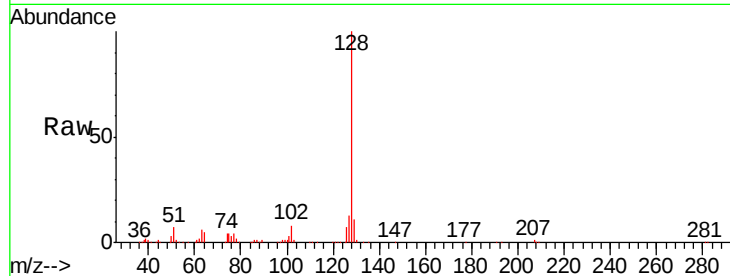
#95
Naphthalene
Concen: 17.797 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/20/2018 4:58:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.225 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.7
145	29.7	15.0	45.0

