

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022619\
 Data File : VN053950.D
 Acq On : 26 Feb 2019 13:03
 Operator : JC/SP
 Sample : VN0226WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/28/2019 10:49:57 AM

Quant Time: Feb 27 02:45:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	625993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1001600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	874851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	382645	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	370186	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
35) Dibromofluoromethane	7.59	113	323213	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	10.09	98	1182049	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.40	95	386734	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	113828	19.758	ug/l	98
3) Chloromethane	2.06	50	165467	20.706	ug/l	98
4) Vinyl Chloride	2.19	62	162946	20.351	ug/l	100
5) Bromomethane	2.57	94	105508	19.897	ug/l	97
6) Chloroethane	2.71	64	100951	20.273	ug/l	99
7) Trichlorofluoromethane	3.02	101	203086	19.854	ug/l	97
8) Diethyl Ether	3.41	74	77539	20.233	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	126287	19.548	ug/l	93
10) Methyl Iodide	3.96	142	170781	20.118	ug/l	98
11) Tert butyl alcohol	4.77	59	44922	96.568	ug/l	98
12) 1,1-Dichloroethene	3.74	96	122342	19.798	ug/l	94
13) Acrolein	3.61	56	49895	103.597	ug/l	98
14) Allyl chloride	4.33	41	222529	20.532	ug/l	95
15) Acrylonitrile	4.99	53	254706	103.887	ug/l	100
16) Acetone	3.82	43	207031	99.250	ug/l	96
17) Carbon Disulfide	4.06	76	378997	19.011	ug/l	99
18) Methyl Acetate	4.33	43	106360	20.729	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	340490	20.540	ug/l	98
20) Methylene Chloride	4.55	84	143555	19.766	ug/l	88
21) trans-1,2-Dichloroethene	5.04	96	133699	19.990	ug/l	94
22) Diisopropyl ether	5.95	45	434504	20.780	ug/l	96
23) Vinyl Acetate	5.90	43	1546193	102.793	ug/l	95
24) 1,1-Dichloroethane	5.85	63	260772	20.337	ug/l	99
25) 2-Butanone	6.83	43	292131	101.389	ug/l	95
26) 2,2-Dichloropropane	6.82	77	187179	20.547	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	149587	20.111	ug/l	93
28) Bromochloromethane	7.19	49	128175	21.839	ug/l	82
29) Tetrahydrofuran	7.21	42	192739	100.451	ug/l	93
30) Chloroform	7.37	83	251931	20.262	ug/l	98
31) Cyclohexane	7.65	56	242457	20.419	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	206323	20.126	ug/l	96
36) 1,1-Dichloropropene	7.79	75	186891	20.064	ug/l	98
37) Ethyl Acetate	6.93	43	127848	19.223	ug/l	94
38) Carbon Tetrachloride	7.78	117	177402	18.313	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	211123	18.805	ug/l	94
40) Benzene	8.04	78	581874	20.335	ug/l	100
41) Methacrylonitrile	7.17	41	68475	15.989	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	182052	20.550	ug/l	97
43) Isopropyl Acetate	8.16	43	215493	19.190	ug/l #	90
44) Trichloroethene	8.83	130	145429	19.171	ug/l	98
45) 1,2-Dichloropropane	9.12	63	157279	20.373	ug/l	97
46) Dibromomethane	9.21	93	90057	20.093	ug/l	93
47) Bromodichloromethane	9.40	83	190834	20.204	ug/l	98
48) Methyl methacrylate	9.20	41	100736	19.503	ug/l	94
49) 1,4-Dioxane	9.20	88	26558	379.617	ug/l	91
51) 4-Methyl-2-Pentanone	9.98	43	591601	102.522	ug/l	96
52) Toluene	10.16	92	340250	20.194	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	182493	19.857	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	216586	19.991	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	126044	20.031	ug/l	99
56) Ethyl methacrylate	10.43	69	149136	19.324	ug/l	89
57) 1,3-Dichloropropane	10.71	76	218423	20.544	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	333709	95.760	ug/l	96
59) 2-Hexanone	10.75	43	375149	99.959	ug/l	93
60) Dibromochloromethane	10.90	129	135760	19.413	ug/l	99
61) 1,2-Dibromoethane	11.00	107	119171	19.632	ug/l	99
64) Tetrachloroethene	10.63	164	145551	19.648	ug/l	98
65) Chlorobenzene	11.43	112	361634	19.586	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	131712	19.794	ug/l	100
67) Ethyl Benzene	11.51	91	613524	19.821	ug/l	99
68) m/p-Xylenes	11.62	106	463348	39.663	ug/l	95
69) o-Xylene	11.95	106	227369	19.808	ug/l	99
70) Styrene	11.96	104	356404	20.187	ug/l	98
71) Bromoform	12.13	173	89930	19.426	ug/l #	99
73) Isopropylbenzene	12.25	105	596242	20.017	ug/l	99
74) N-amyl acetate	12.07	43	153872	19.710	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	149984	20.136	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	122581m	19.970	ug/l	
77) Bromobenzene	12.53	156	149306	19.743	ug/l	90
78) n-propylbenzene	12.59	91	682458	20.146	ug/l	98
79) 2-Chlorotoluene	12.67	91	410055	20.151	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	500701	20.533	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	37618	19.370	ug/l	92
82) 4-Chlorotoluene	12.77	91	409896	20.381	ug/l	96
83) tert-Butylbenzene	12.99	119	441216	20.458	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	500602	20.563	ug/l	99
85) sec-Butylbenzene	13.17	105	599930	20.366	ug/l	99
86) p-Isopropyltoluene	13.29	119	501487	20.138	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	256831	19.632	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	252119	19.864	ug/l	98
89) n-Butylbenzene	13.62	91	417164	19.878	ug/l	99
90) Hexachloroethane	13.88	117	91341	18.928	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	256376	20.245	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21139	20.082	ug/l	87

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Feb 26 05:37:40 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	114996	17.846	ug/l	99
94) Hexachlorobutadiene	15.01	225	91301	19.958	ug/l	98
95) Naphthalene	15.13	128	229071	17.360	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	116182	18.243	ug/l	99

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

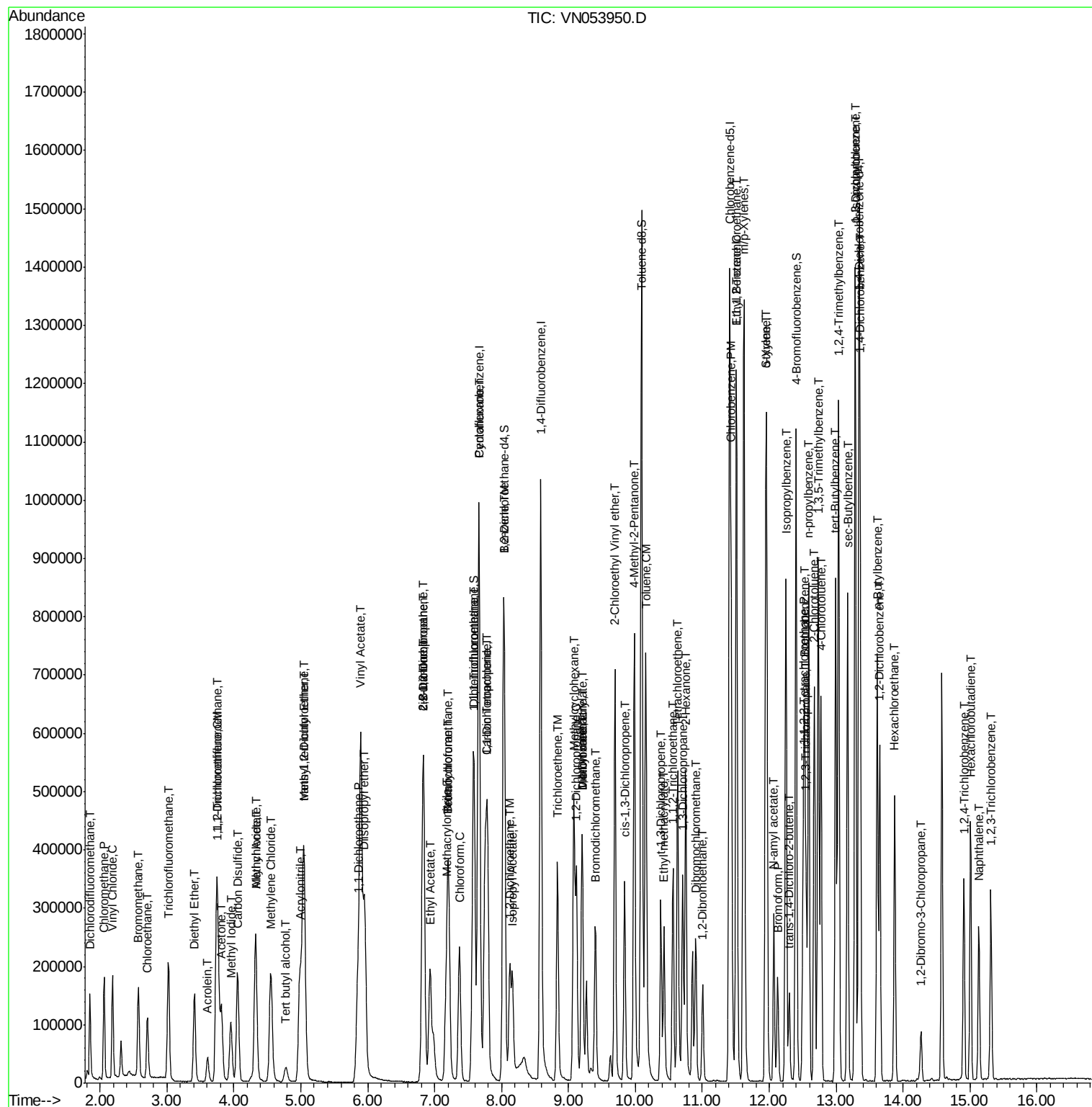
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 Data File : VN053950.D
 Acq On : 26 Feb 2019 13:03
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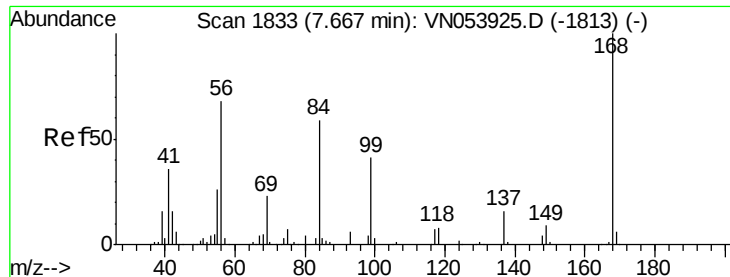
Instrument :
 MSVOA_N
 Client Sampled :
 VN0226WBSD01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tgt Ion: 168 Resp: 625993

Ion Ratio Lower Upper

168 100

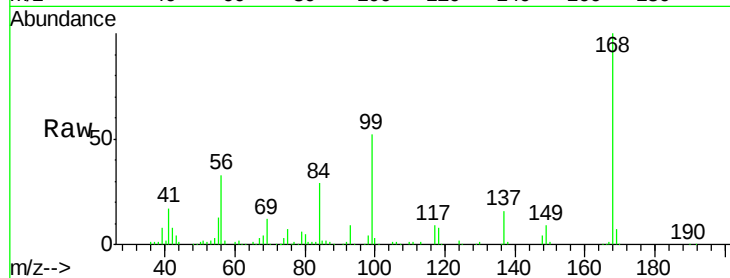
99 51.6 36.9 55.3

Manual Integrations

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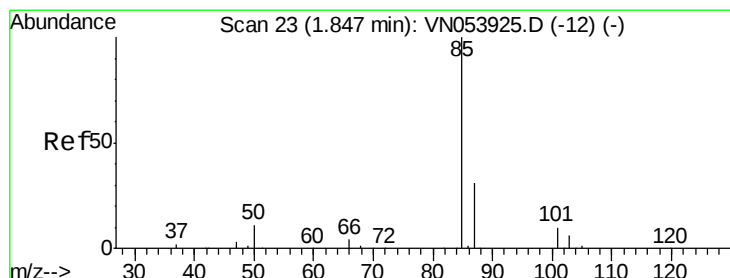
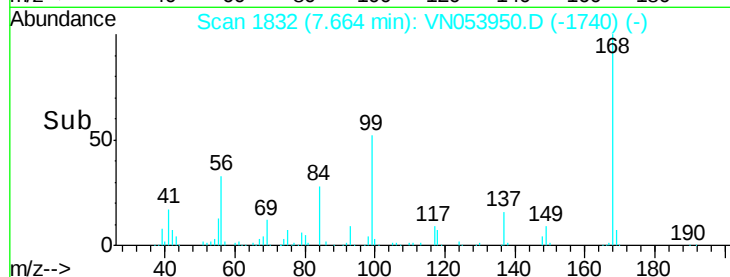
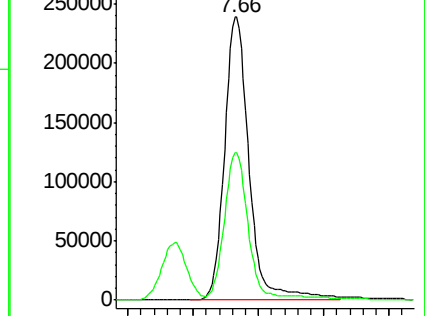
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.758 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN053950.D

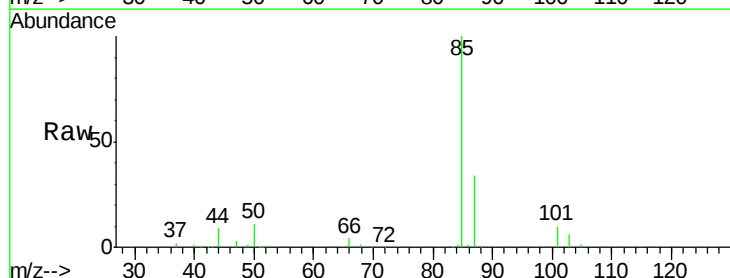
Acq: 26 Feb 2019 13:03

Tgt Ion: 85 Resp: 113828

Ion Ratio Lower Upper

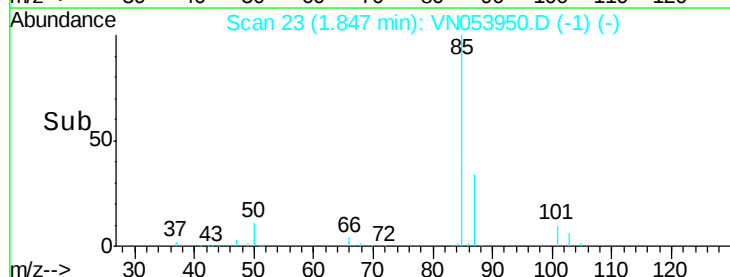
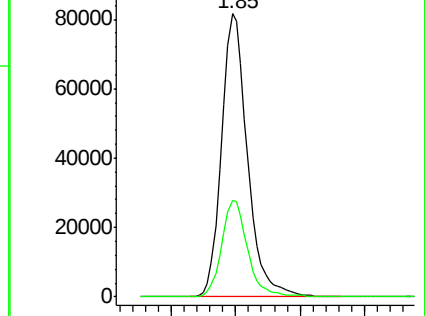
85 100

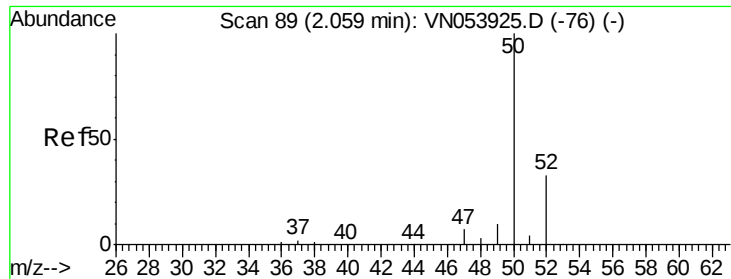
87 34.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 20.706 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tgt Ion: 50 Resp: 165467

Ion Ratio Lower Upper

50 100

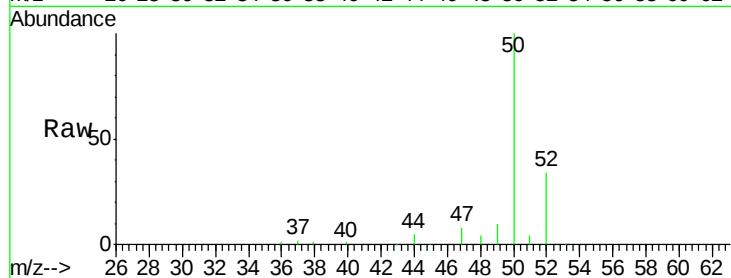
52 33.7 26.0 39.0

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

120000

100000

80000

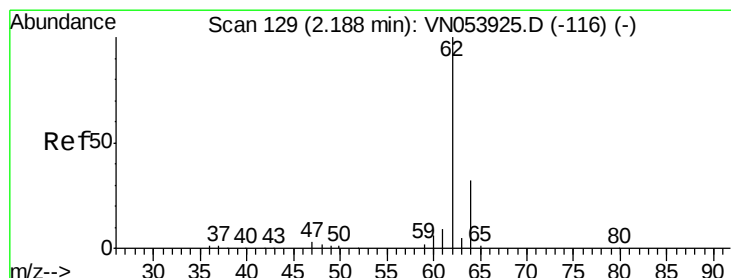
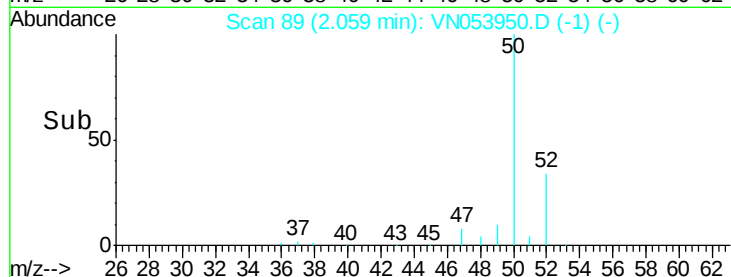
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 20.351 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053950.D

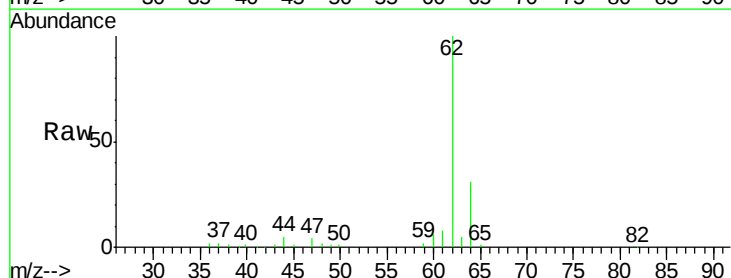
Acq: 26 Feb 2019 13:03

Tgt Ion: 62 Resp: 162946

Ion Ratio Lower Upper

62 100

64 31.3 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

120000

100000

80000

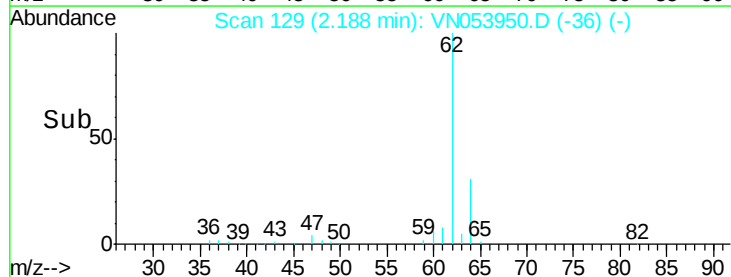
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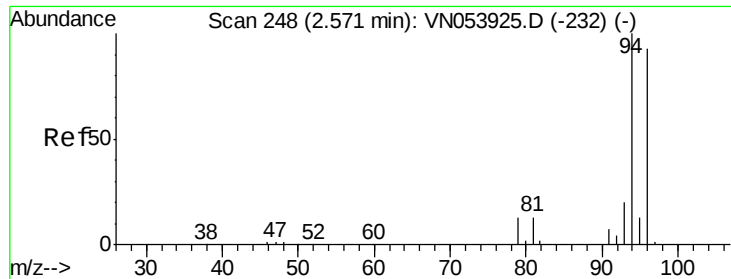
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20000

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Time-->





#5

Bromomethane

Concen: 19.897 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

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Tgt Ion: 94 Resp: 105508

Ion Ratio Lower Upper

94 100

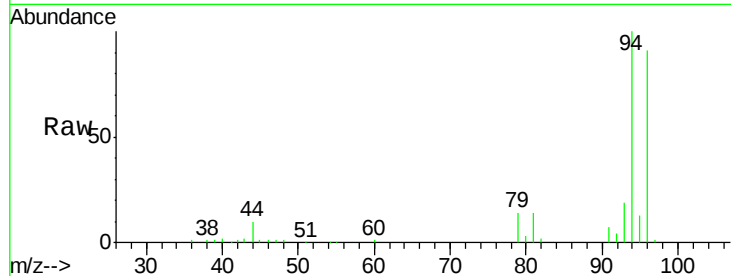
96 90.6 74.9 112.3

Manual Integrations

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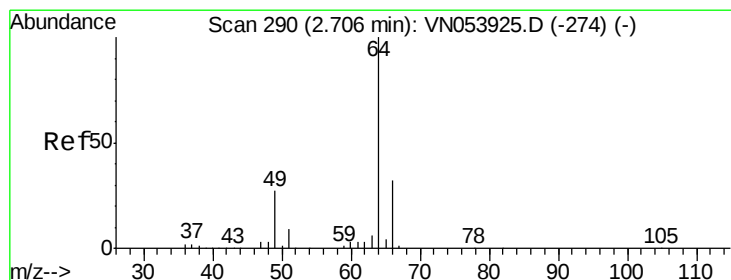
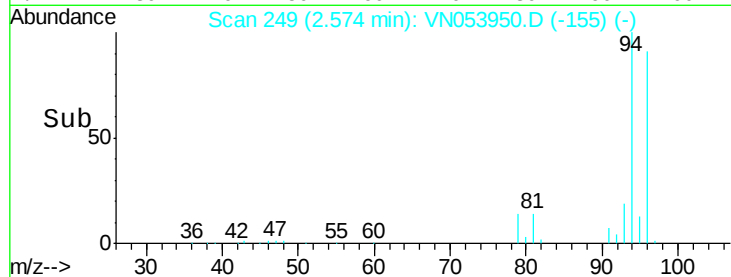
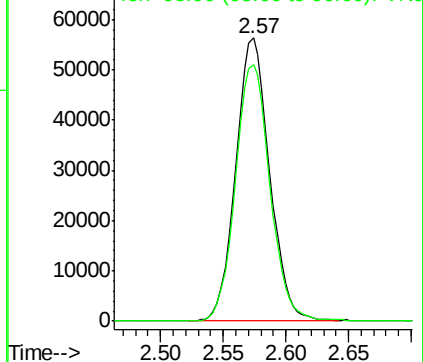
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.273 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053950.D

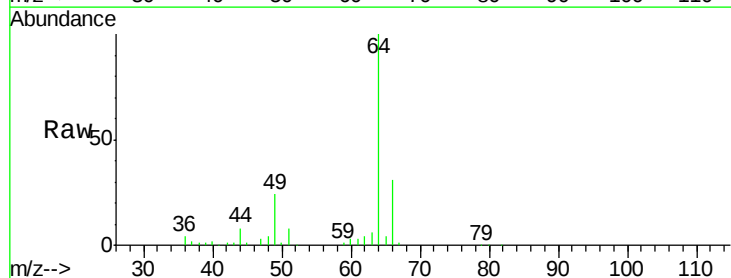
Acq: 26 Feb 2019 13:03

Tgt Ion: 64 Resp: 100951

Ion Ratio Lower Upper

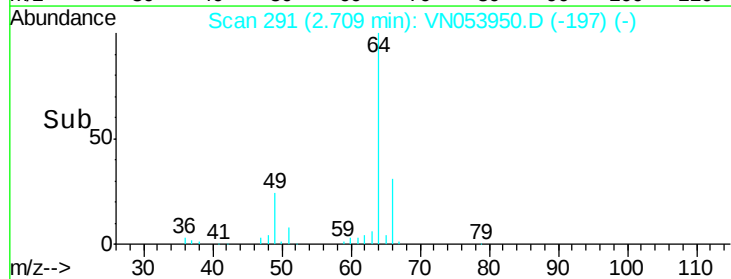
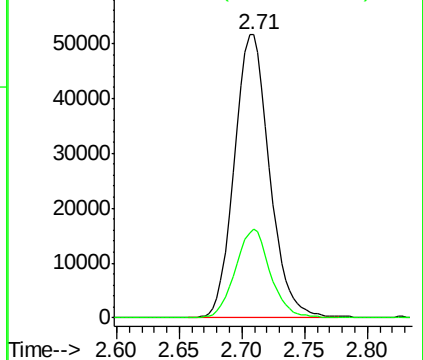
64 100

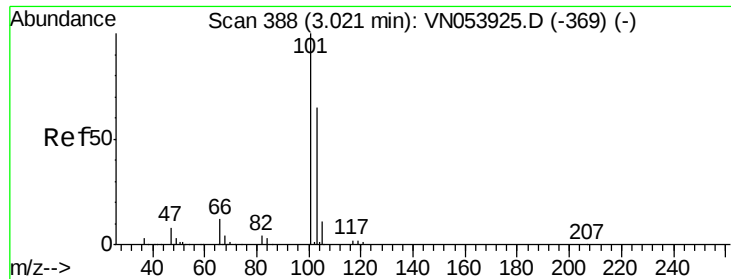
66 31.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

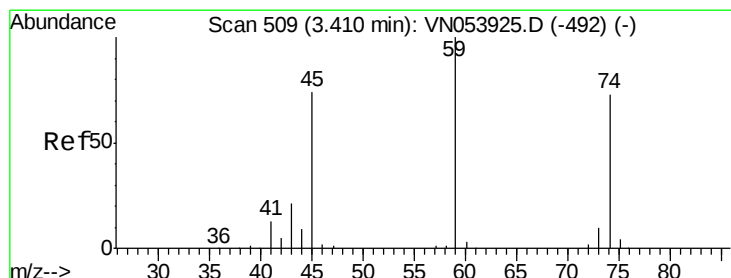
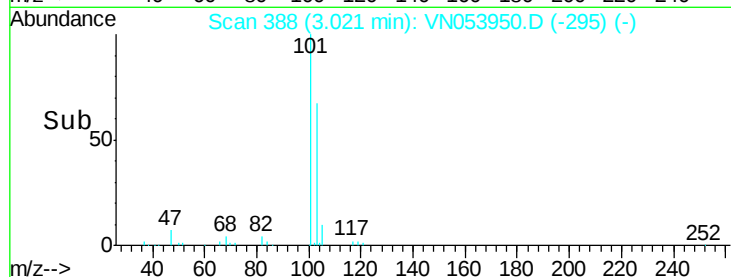
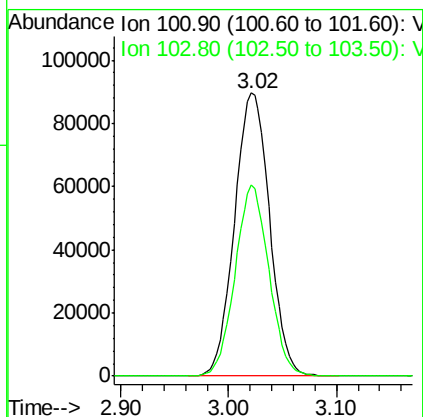
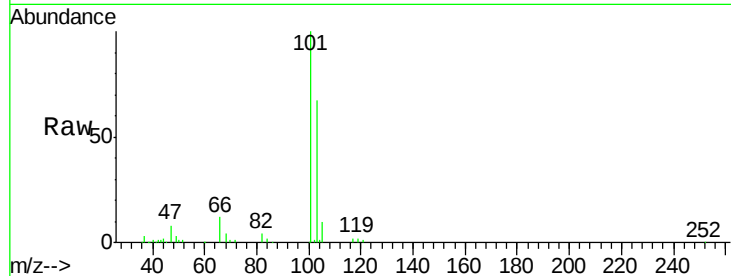
Trichlorofluoromethane
 Concen: 19.854 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Instrument :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	67.4	51.9	77.9

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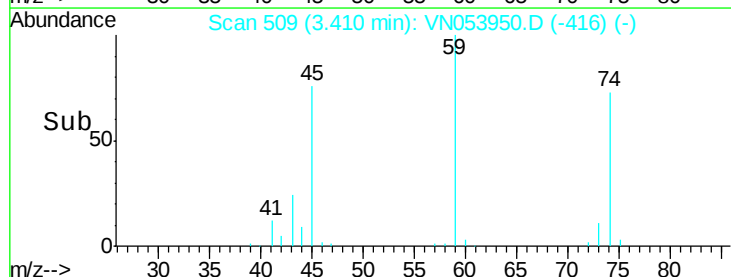
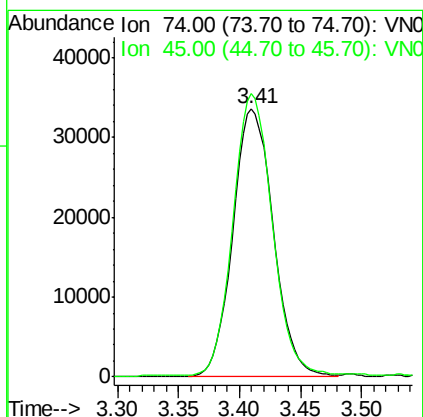
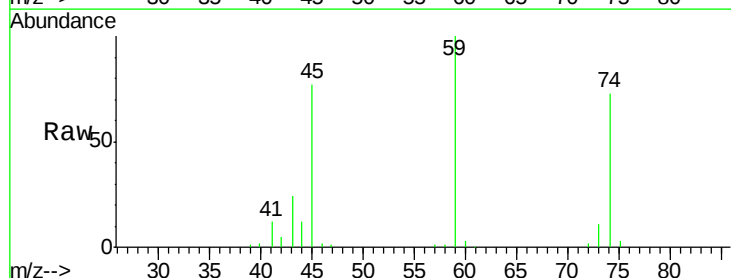
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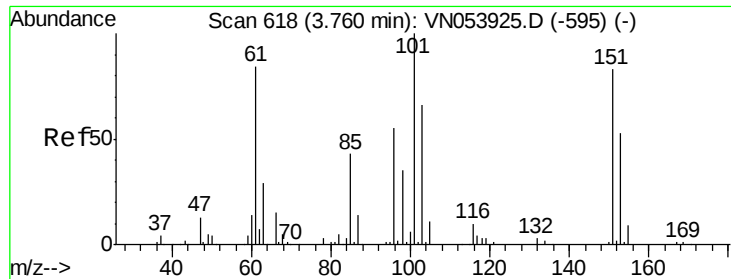


#8

Diethyl Ether
 Concen: 20.233 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.5	46.9	140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.548 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

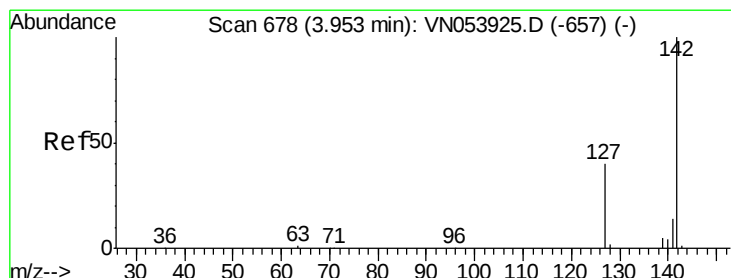
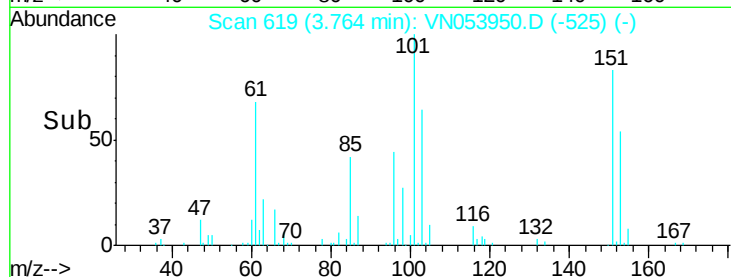
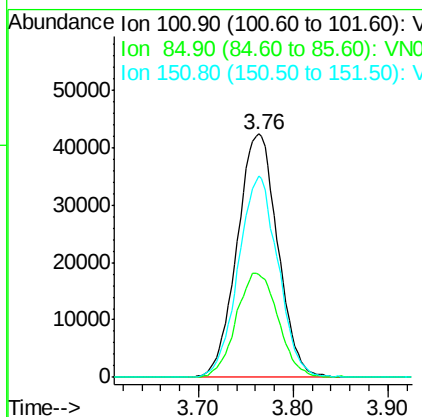
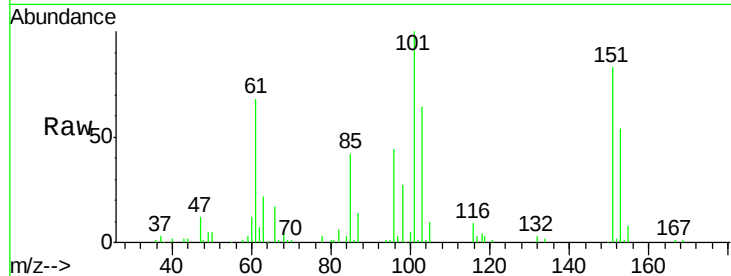
ClientSampleId :

VN0226WBSD01

Tgt Ion:	101	Resp:	126287
Ion Ratio	Lower	Upper	
101	100		
85	44.1	32.5	48.7
151	81.2	70.2	105.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.118 ug/l

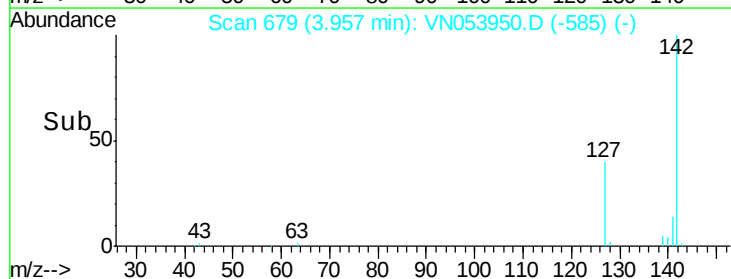
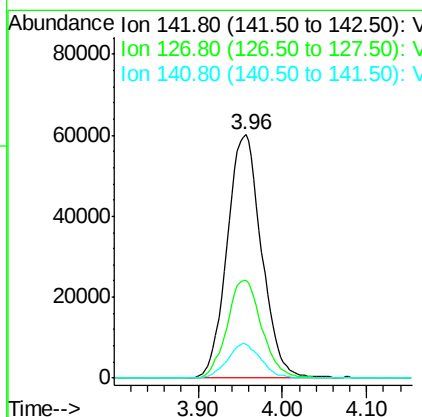
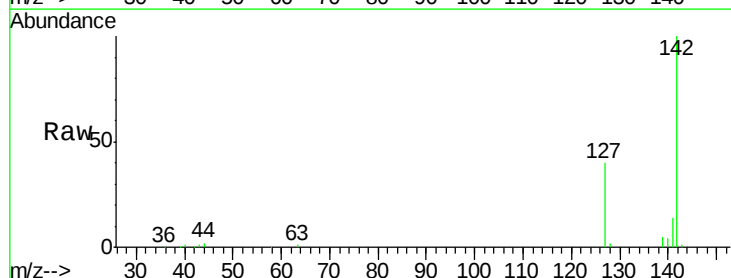
RT: 3.96 min Scan# 679

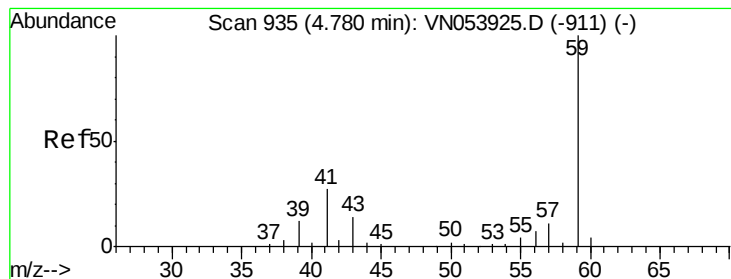
Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Tgt Ion:	142	Resp:	170781
Ion Ratio	Lower	Upper	
142	100		
127	40.5	31.0	46.4
141	13.7	11.3	16.9





#11

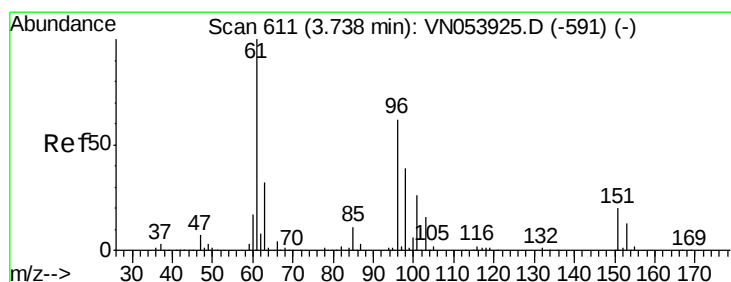
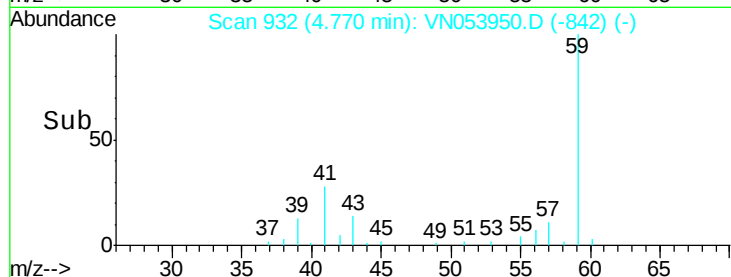
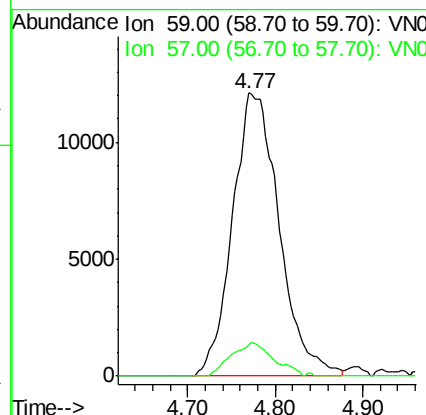
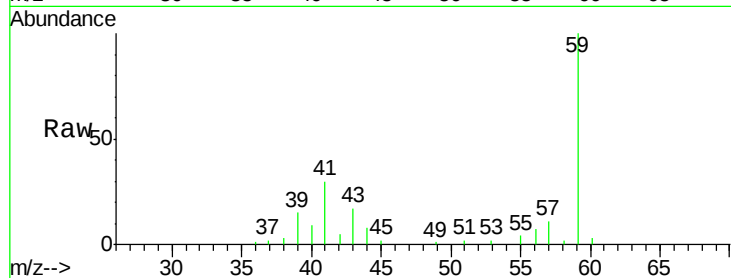
Tert butyl alcohol
 Concen: 96.568 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.01 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Tgt Ion: 59 Resp: 44922
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.1 12.1

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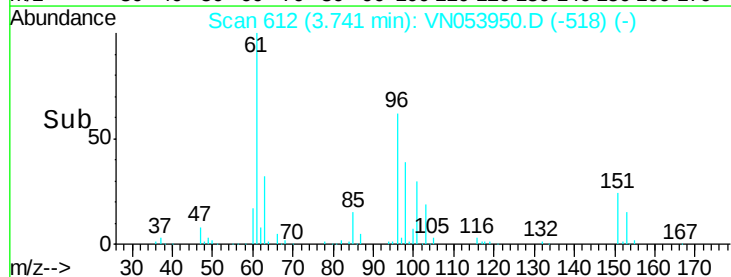
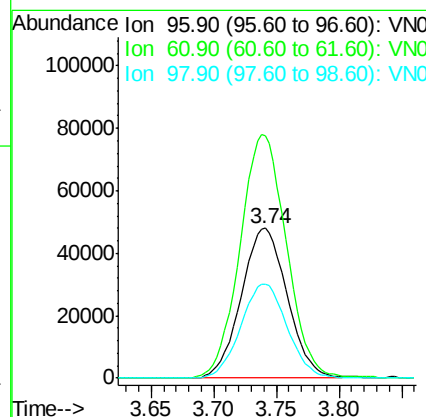
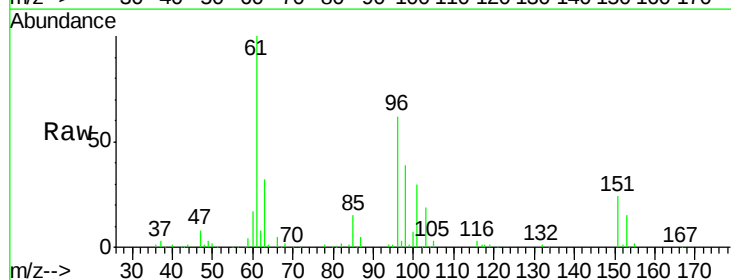
MMDadoda
 2/28/2019 10:49:57 AM

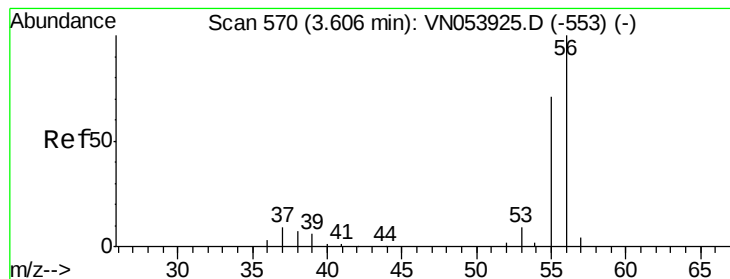


#12

1,1-Dichloroethene
 Concen: 19.798 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion: 96 Resp: 122342
 Ion Ratio Lower Upper
 96 100
 61 161.1 121.0 181.4
 98 62.9 52.2 78.2





#13

Acrolein

Concen: 103.597 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tgt Ion: 56 Resp: 49895

Ion Ratio Lower Upper

56 100

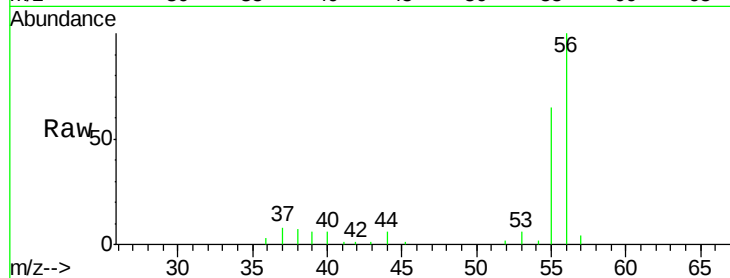
55 68.4 56.3 84.5

Manual Integrations

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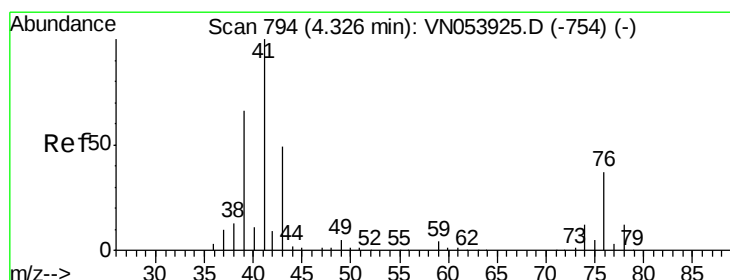
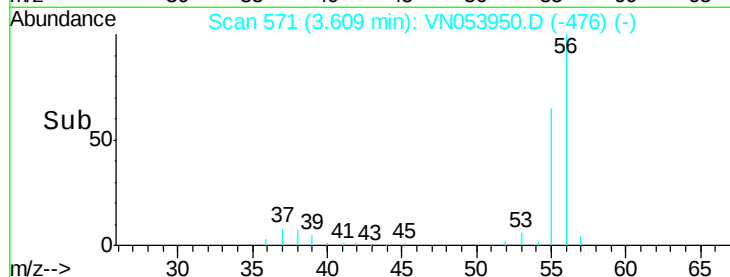
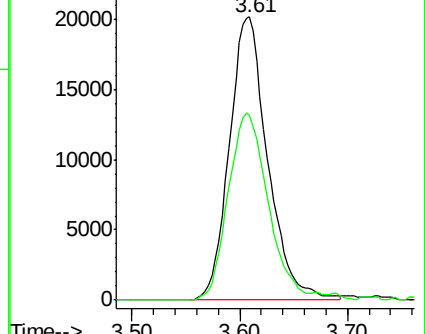
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.532 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

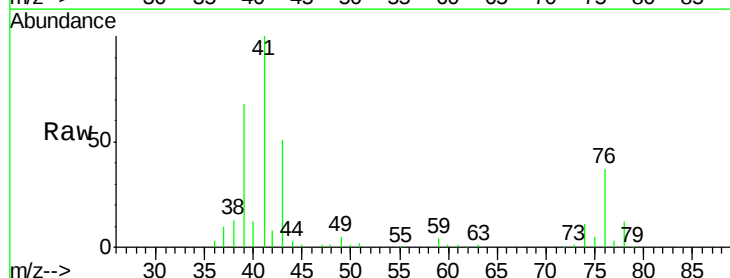
Tgt Ion: 41 Resp: 222529

Ion Ratio Lower Upper

41 100

39 63.3 48.8 73.2

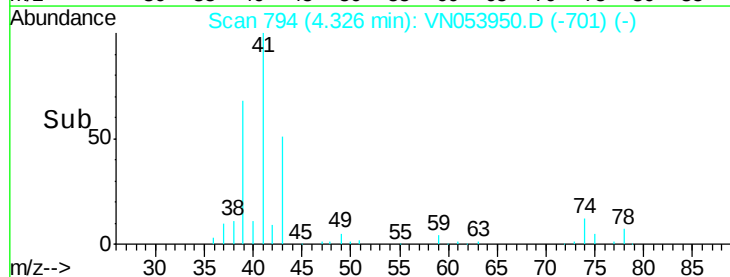
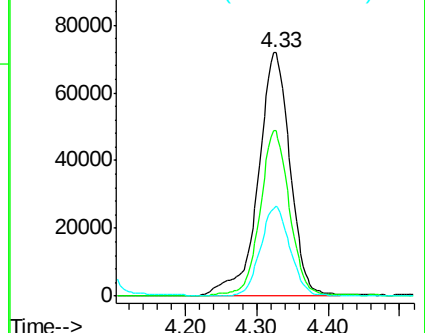
76 34.1 30.9 46.3

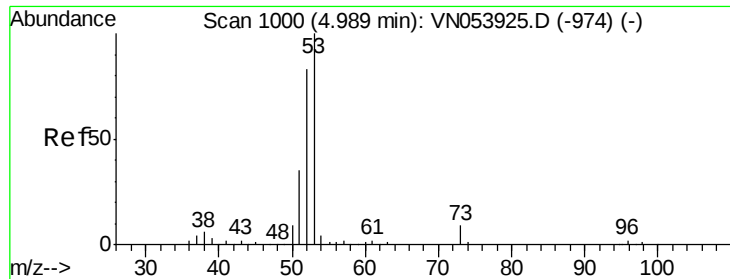


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 103.887 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

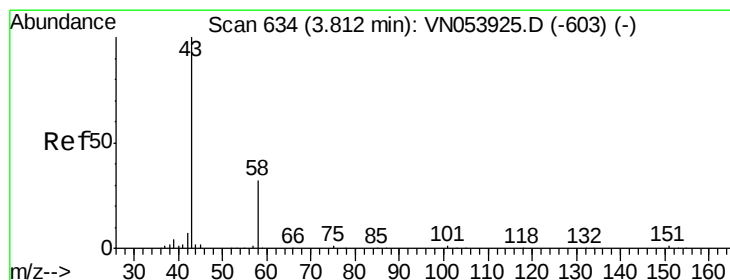
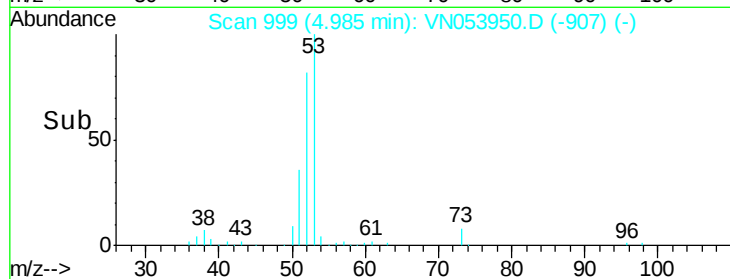
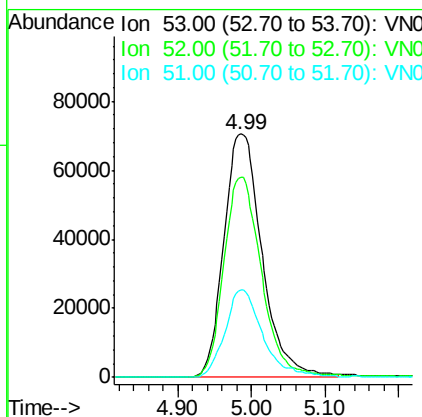
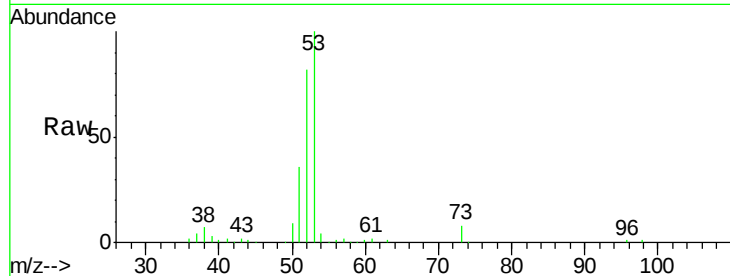
ClientSampleId :

VN0226WBSD01

Tgt Ion:	53	Resp:	254706
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.1	97.7
51	35.7	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 99.250 ug/l

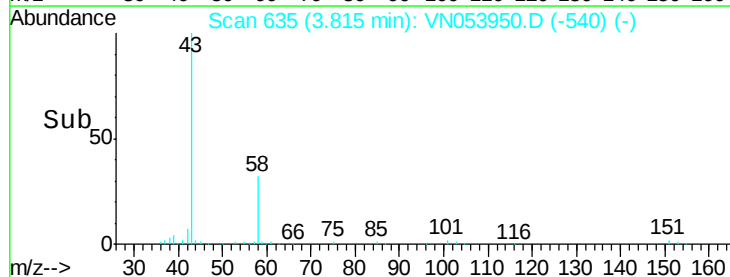
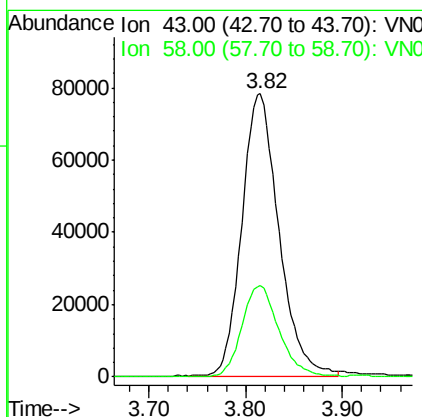
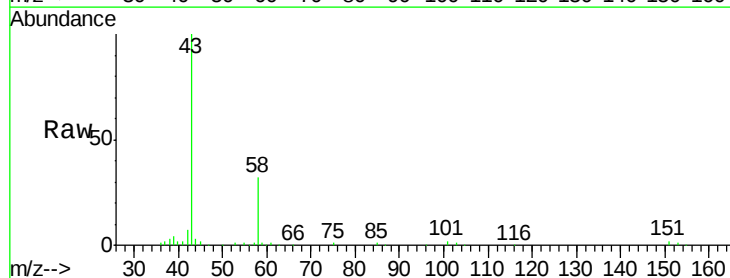
RT: 3.82 min Scan# 635

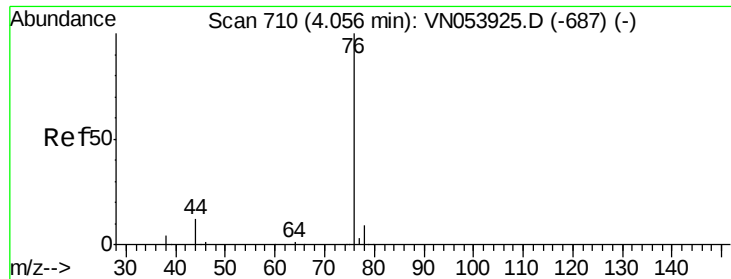
Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Tgt Ion:	43	Resp:	207031
Ion	Ratio	Lower	Upper
43	100		
58	32.2	27.6	41.4





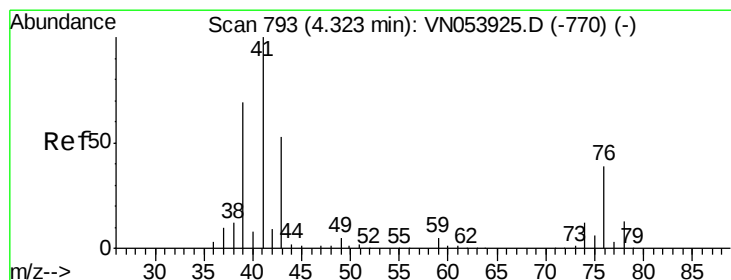
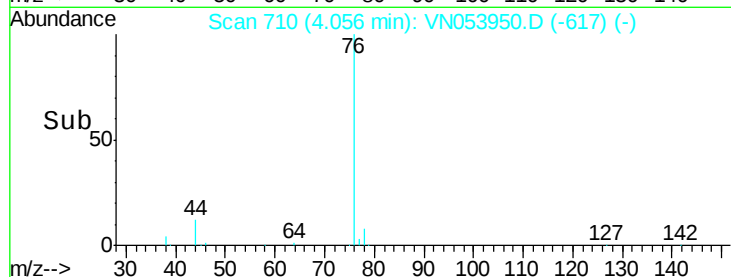
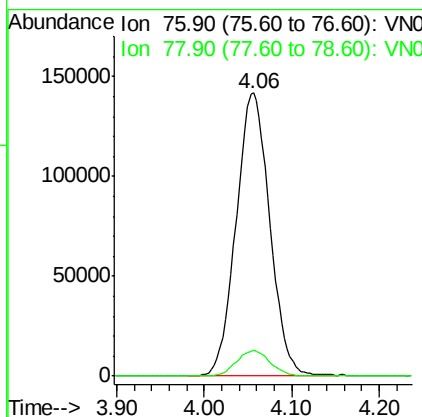
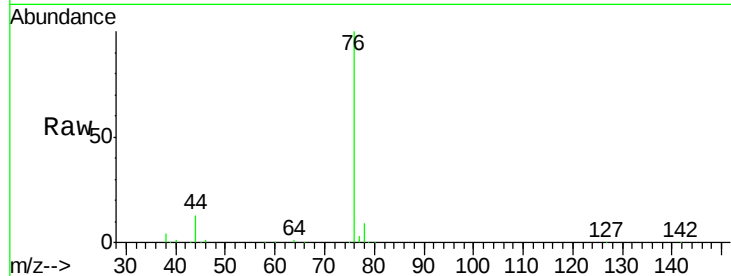
#17
Carbon Disulfide
Concen: 19.011 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tgt Ion: 76 Resp: 378997
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3

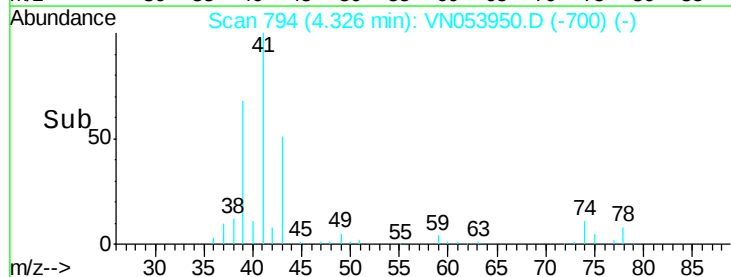
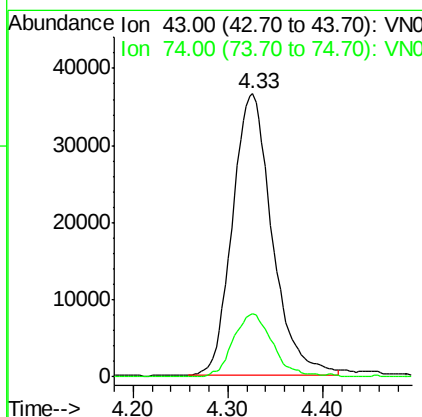
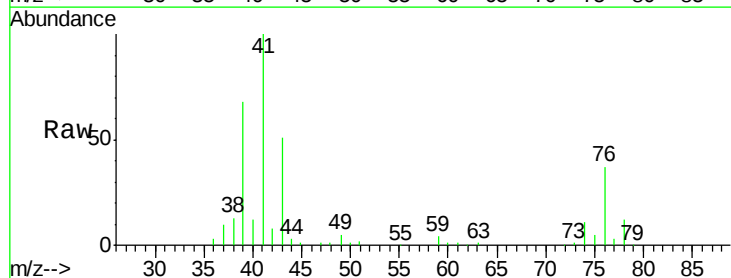
Manual Integrations
APPROVED

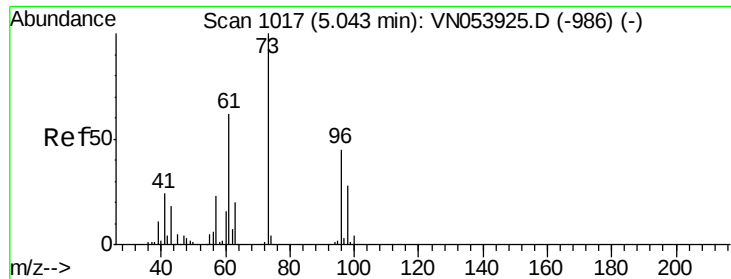
MMDadoda
2/28/2019 10:49:57 AM



#18
Methyl Acetate
Concen: 20.729 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion: 43 Resp: 106360
Ion Ratio Lower Upper
43 100
74 22.2 20.5 30.7





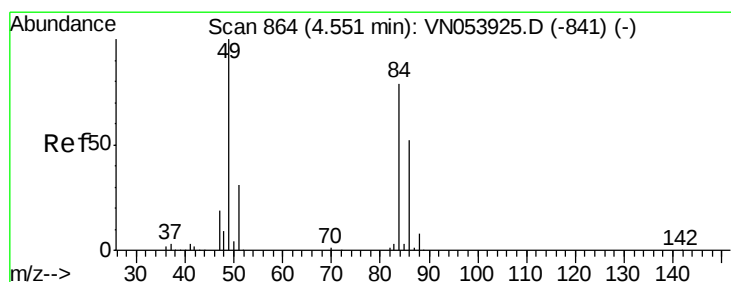
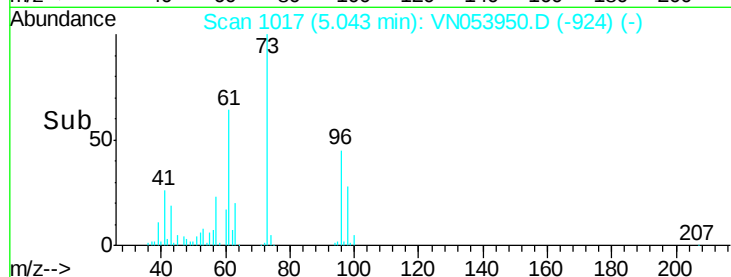
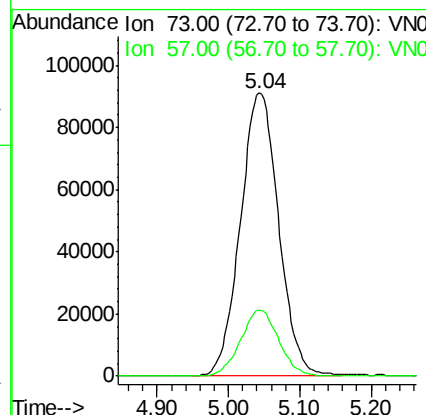
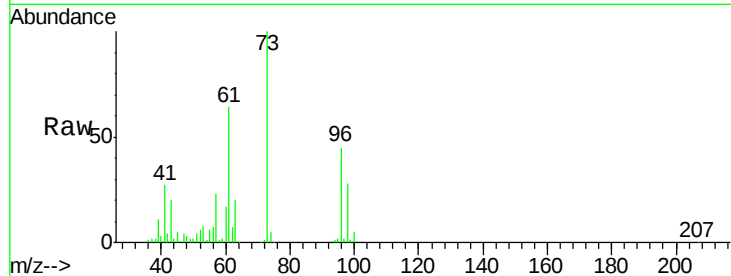
#19
Methyl tert-butyl Ether
Concen: 20.540 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tgt Ion: 73 Resp: 340490
Ion Ratio Lower Upper
73 100
57 23.4 18.0 27.0

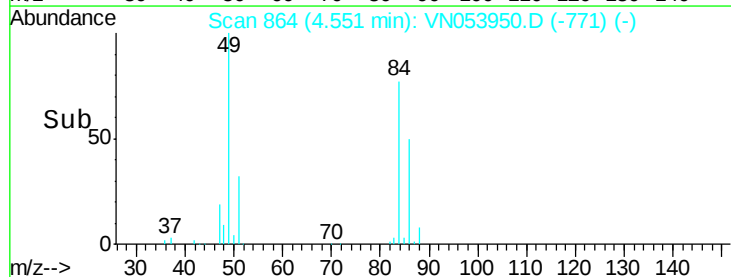
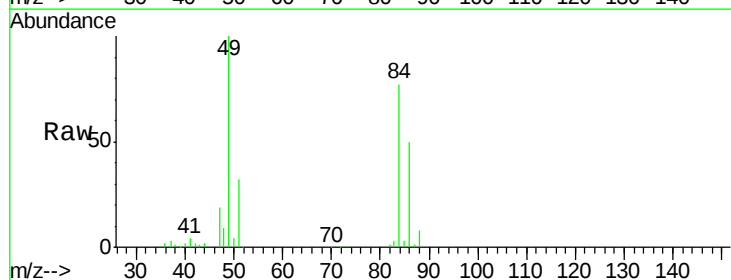
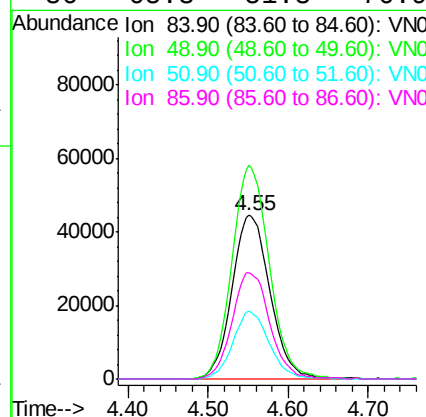
Manual Integrations
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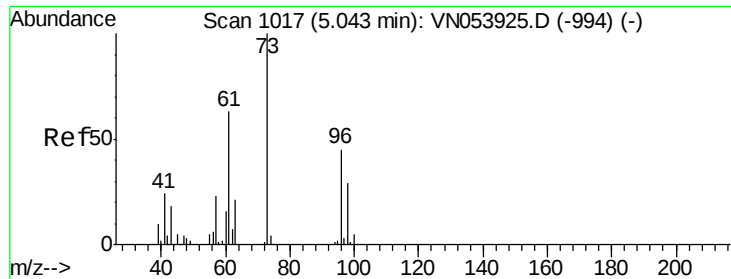
MMDadoda
2/28/2019 10:49:57 AM



#20
Methylene Chloride
Concen: 19.766 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion: 84 Resp: 143555
Ion Ratio Lower Upper
84 100
49 130.4 89.7 134.5
51 41.6 27.8 41.8
86 65.3 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 19.990 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

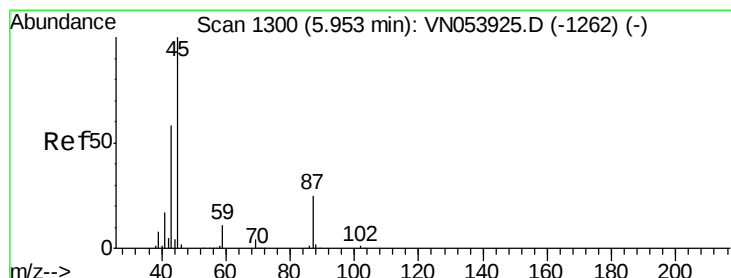
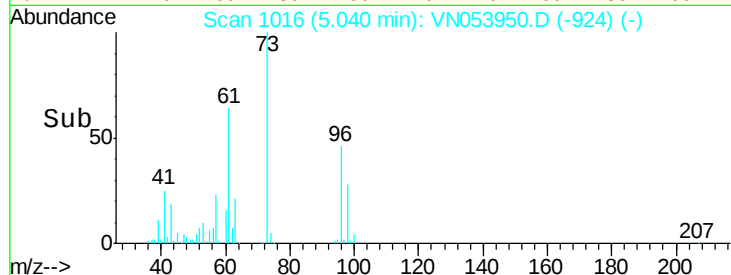
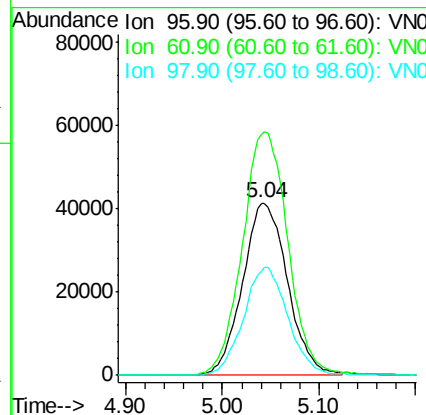
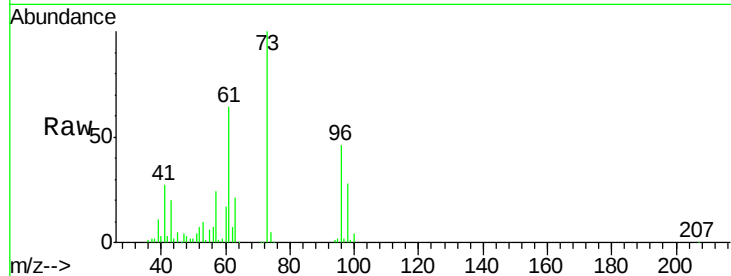
ClientSampleId :

VN0226WBSD01

Tgt Ion:	96	Resp:	133699
Ion	Ratio	Lower	Upper
96	100		
61	139.7	104.5	156.7
98	60.5	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.780 ug/l

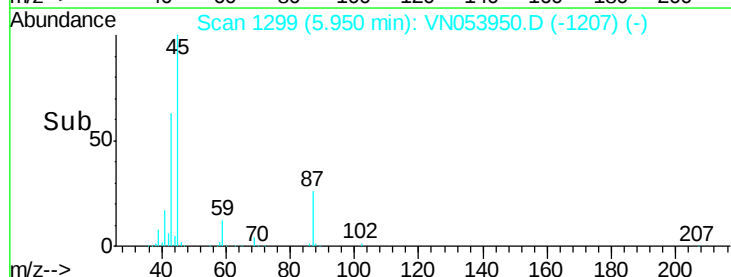
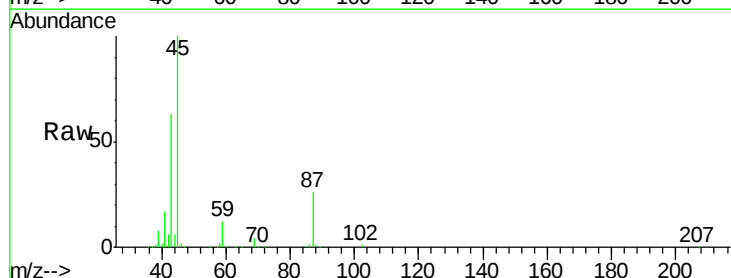
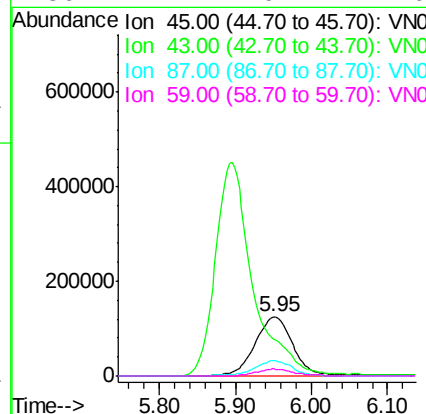
RT: 5.95 min Scan# 1299

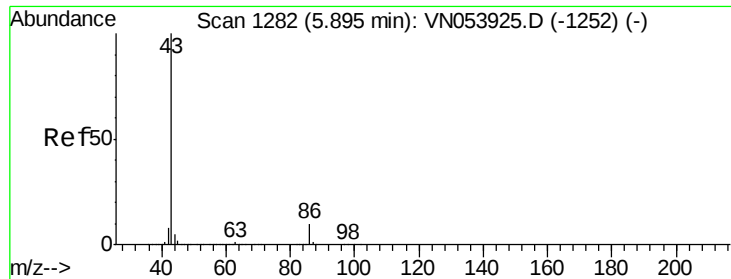
Delta R.T. -0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Tgt Ion:	45	Resp:	434504
Ion	Ratio	Lower	Upper
45	100		
43	59.6	46.2	69.4
87	25.3	23.4	35.0
59	11.7	9.4	14.0





#23

Vinyl Acetate

Concen: 102.793 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tgt Ion: 43 Resp: 1546193

Ion Ratio Lower Upper

43 100

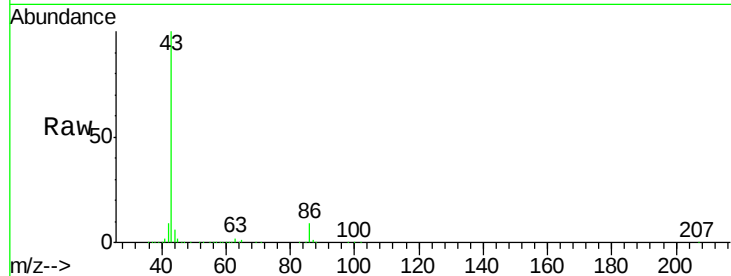
86 9.4 9.1 13.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

500000

400000

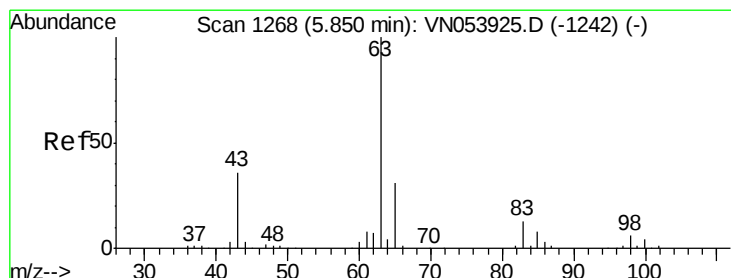
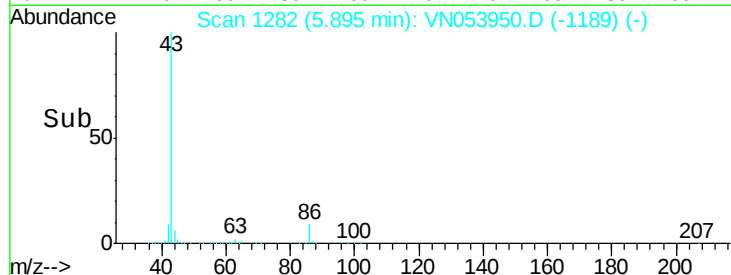
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.337 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

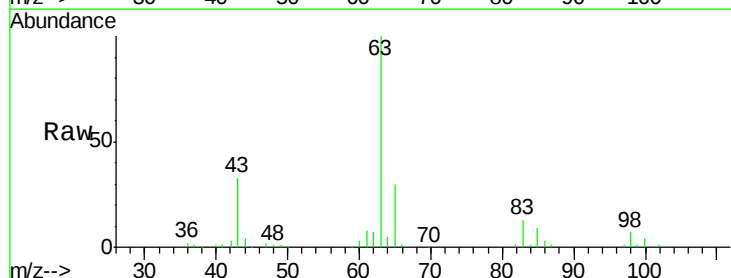
Tgt Ion: 63 Resp: 260772

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.1 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

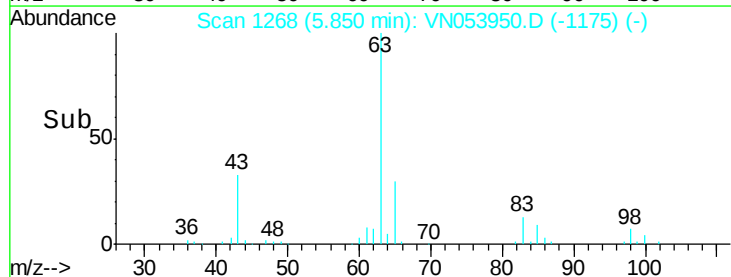
60000

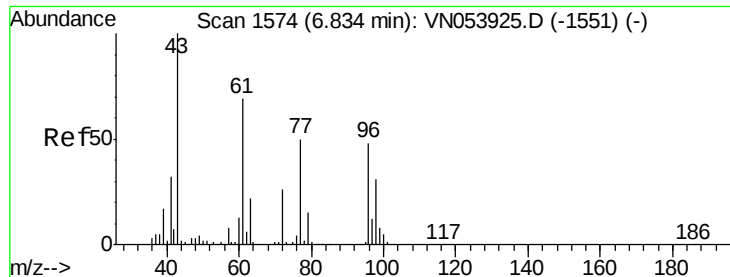
40000

20000

0

Time--> 5.70 5.80 5.90 6.00





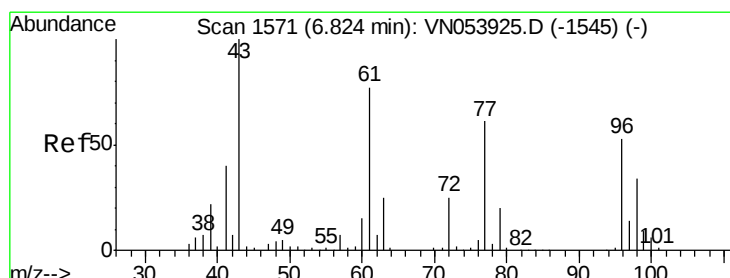
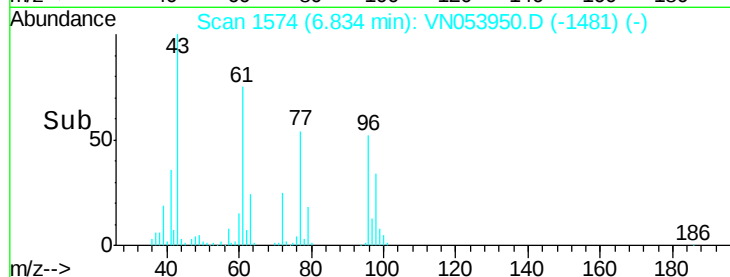
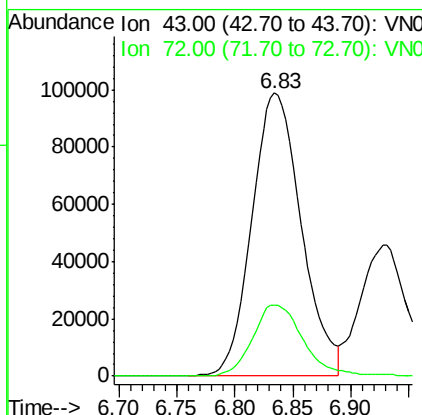
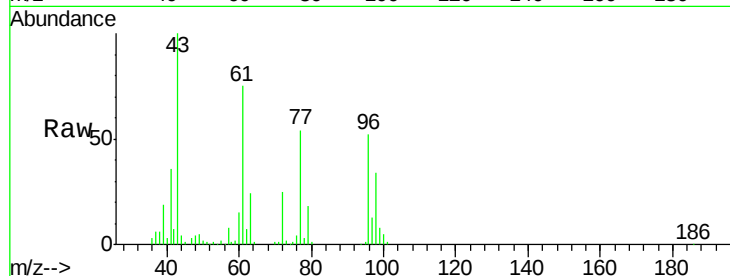
#25
2-Butanone
Concen: 101.389 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tgt Ion: 43 Resp: 292131
Ion Ratio Lower Upper
43 100
72 25.2 22.1 33.1

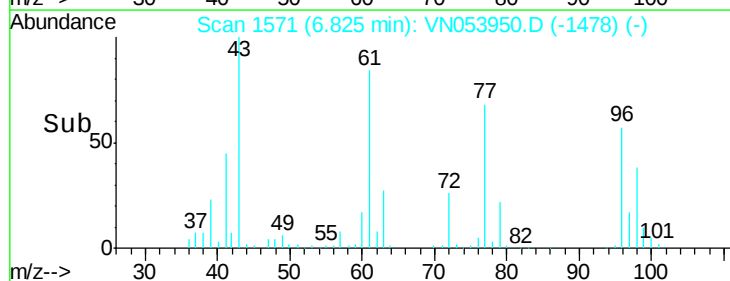
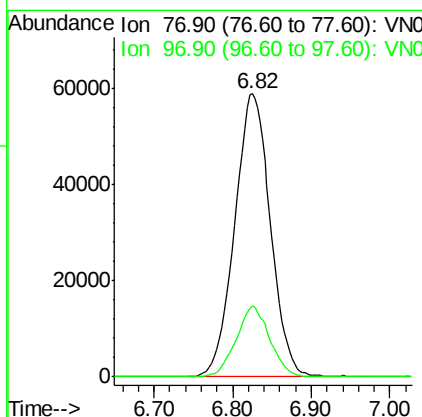
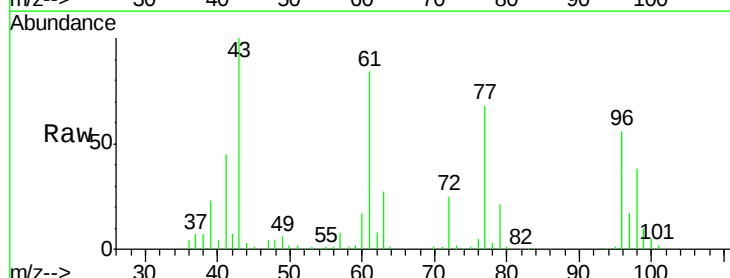
Manual Integrations
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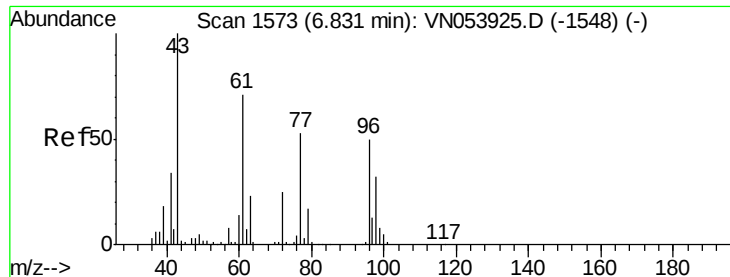
MMDadoda
2/28/2019 10:49:57 AM



#26
2,2-Dichloropropane
Concen: 20.547 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion: 77 Resp: 187179
Ion Ratio Lower Upper
77 100
97 23.6 12.3 36.9





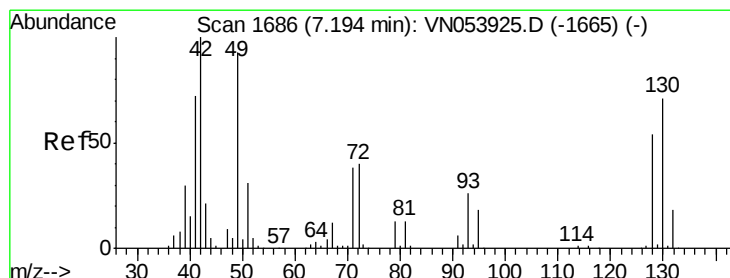
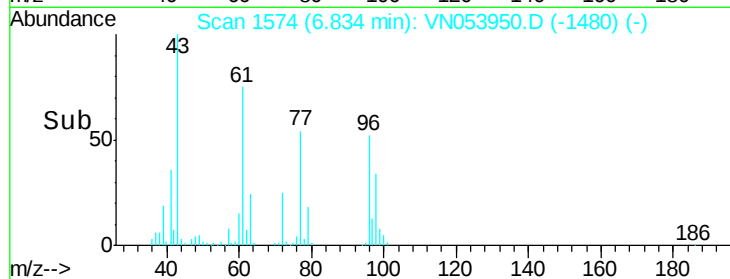
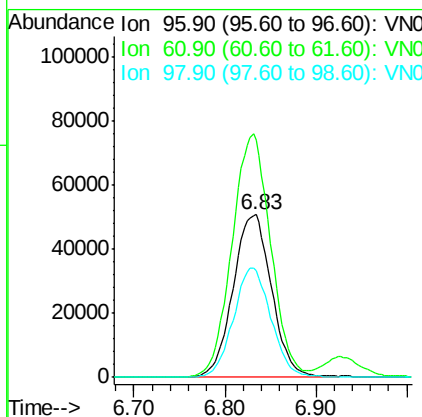
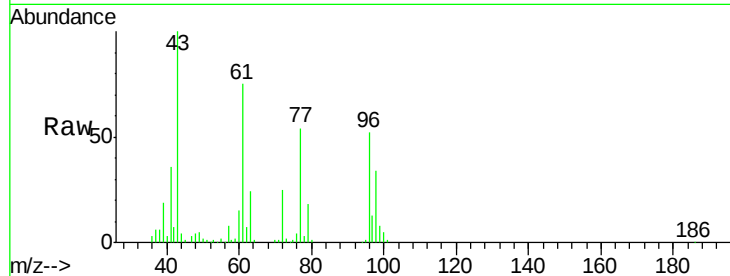
#27
 cis-1,2-Dichloroethene
 Concen: 20.111 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0226WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	149587		
61	149.7	0.0	275.6	
98	66.0	0.0	130.0	

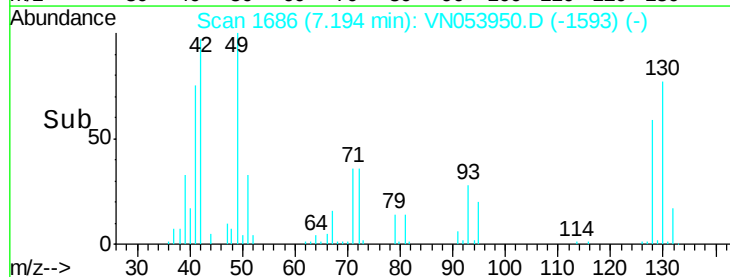
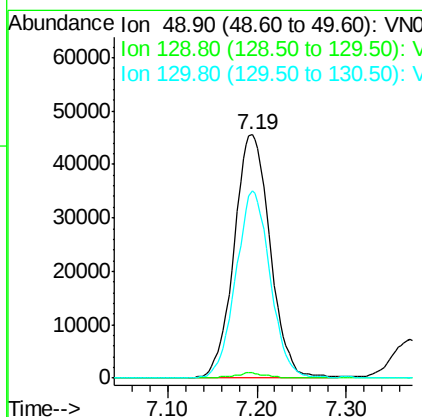
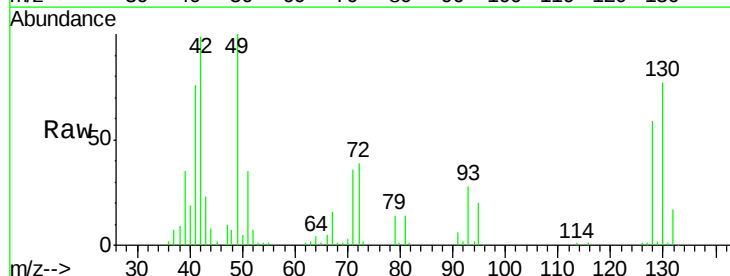
Manual Integrations
 APPROVED

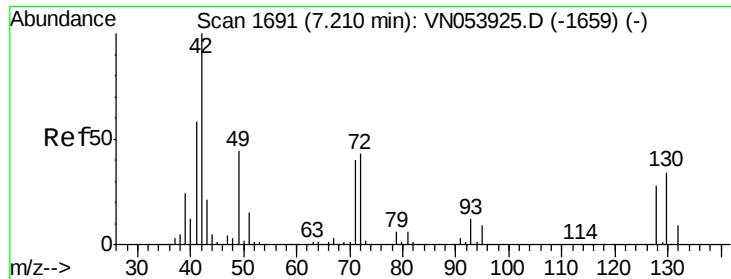
MMDadoda
 2/28/2019 10:49:57 AM



#28
 Bromochloromethane
 Concen: 21.839 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	128175		
129	1.9	0.0	4.6	
130	73.3	72.9	109.3	





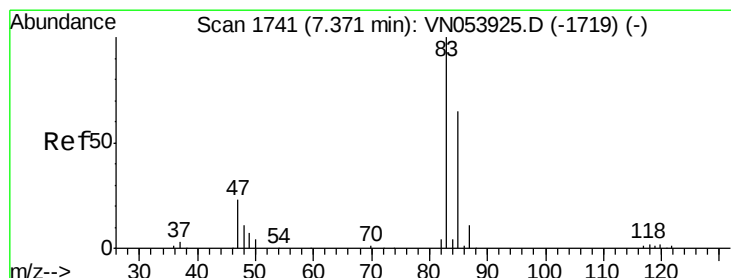
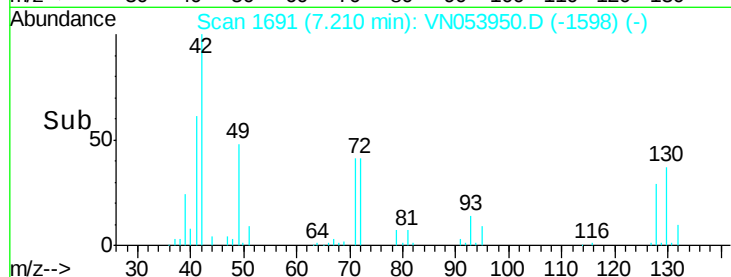
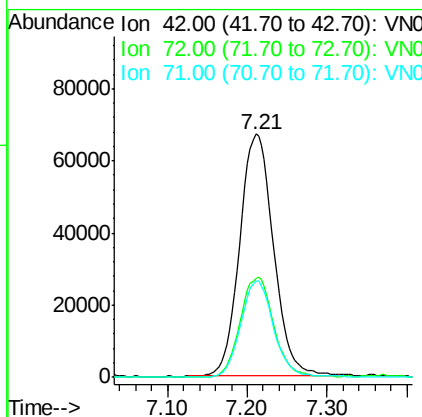
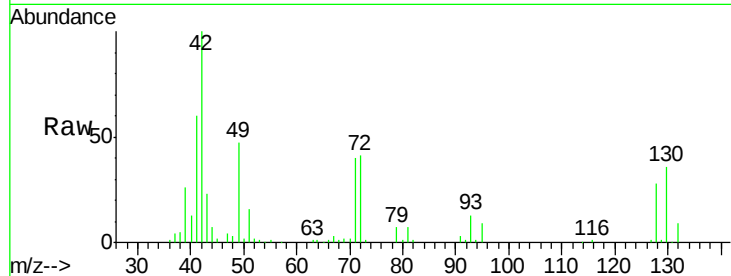
#29
Tetrahydrofuran
Concen: 100.451 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.2	36.9	55.3
71	38.5	34.6	52.0

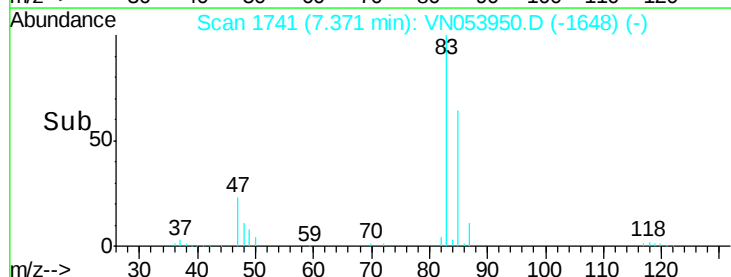
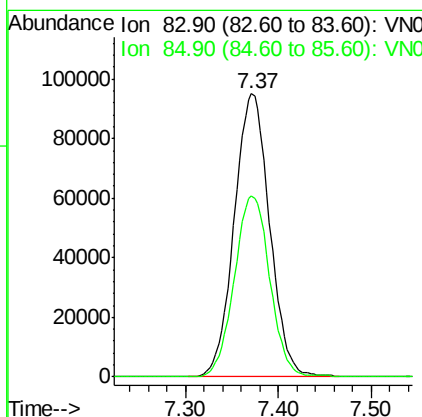
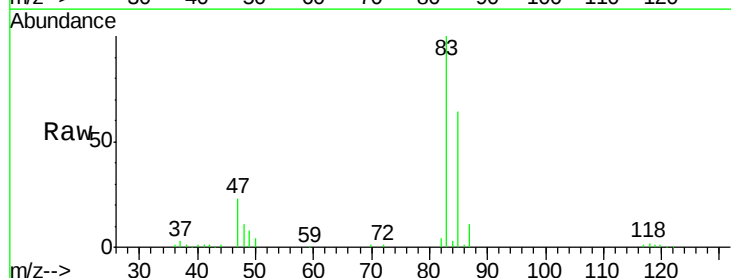
Manual Integrations
APPROVED

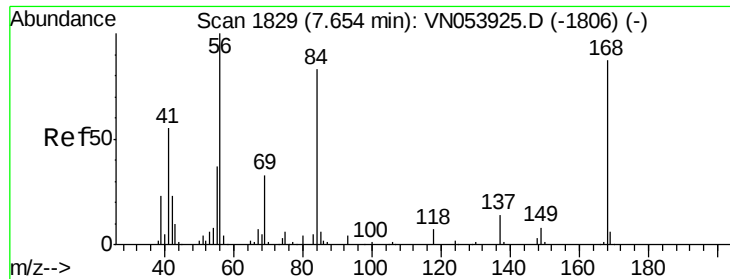
MMDadoda
2/28/2019 10:49:57 AM



#30
Chloroform
Concen: 20.262 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.6	78.8





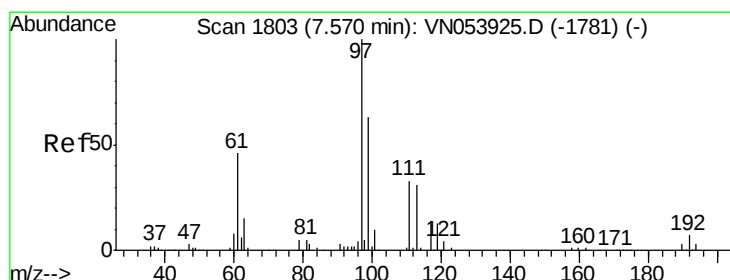
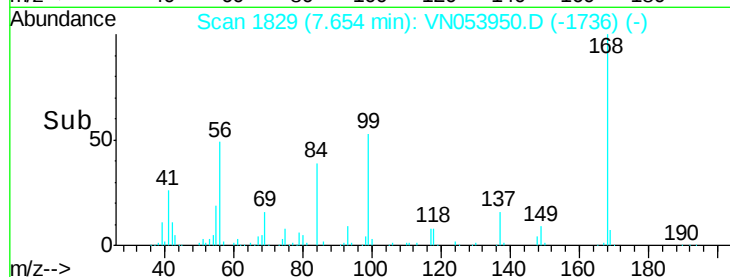
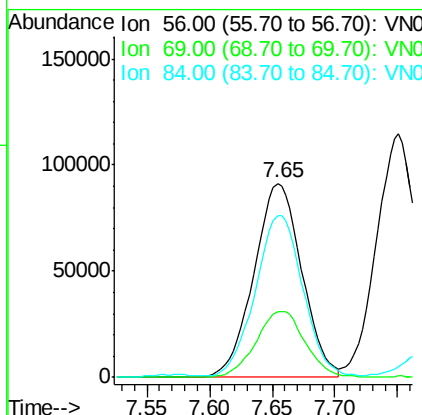
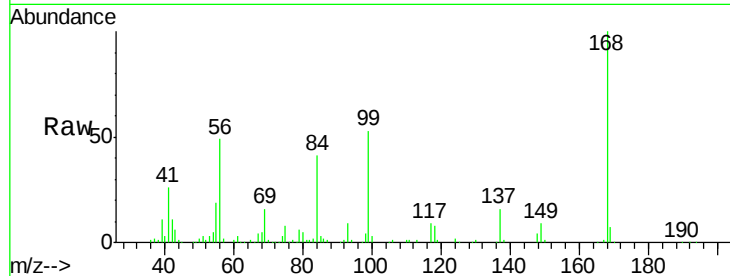
#31
Cyclohexane
Concen: 20.419 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.6	26.0	39.0
84	82.4	69.1	103.7

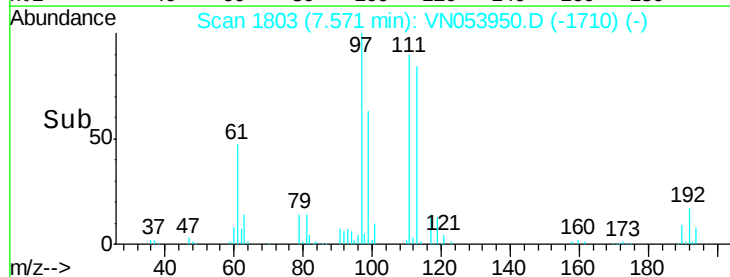
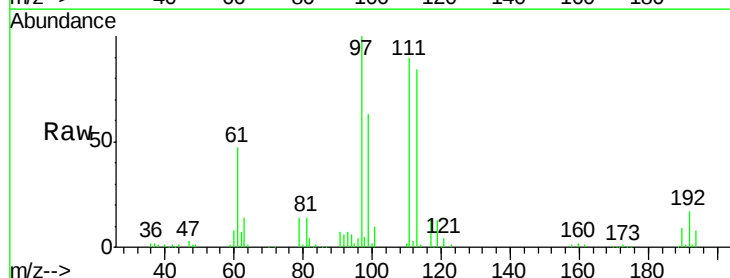
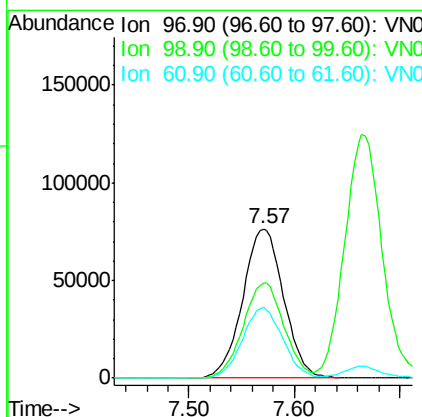
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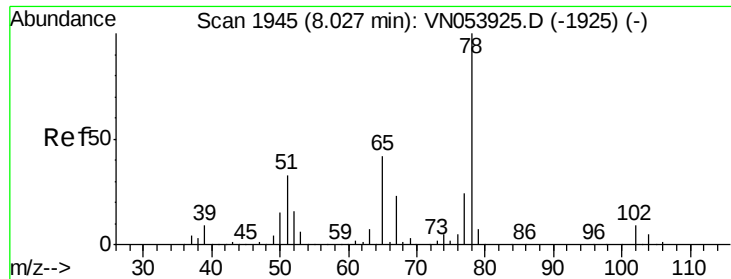
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#32
1,1,1-Trichloroethane
Concen: 20.126 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.8
61	46.5	33.2	49.8





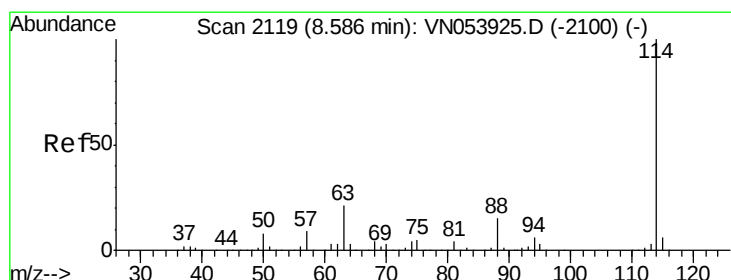
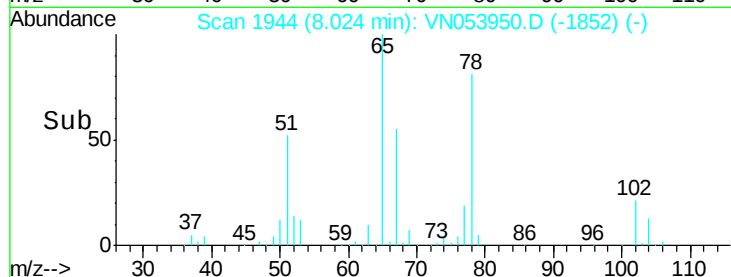
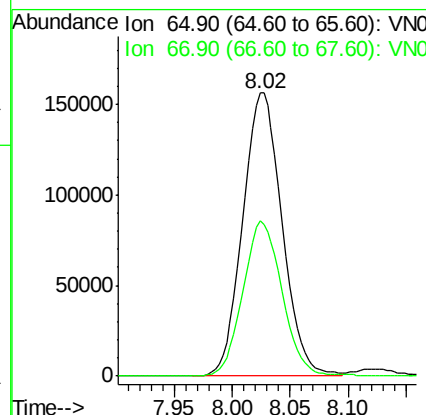
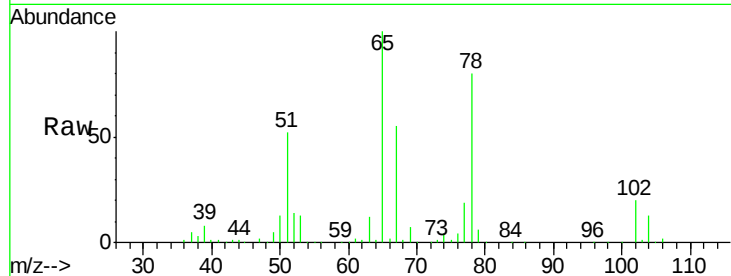
#33
 1,2-Dichloroethane-d4
 Concen: 50.448 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Tgt Ion: 65 Resp: 370186
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 111.8

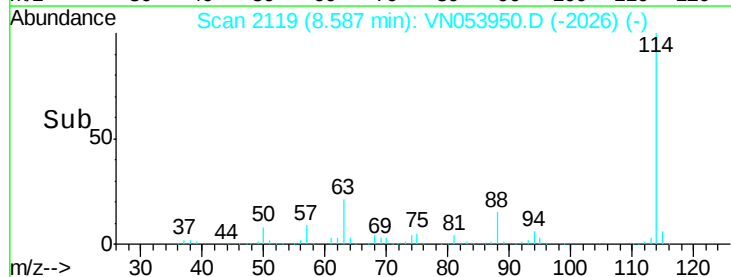
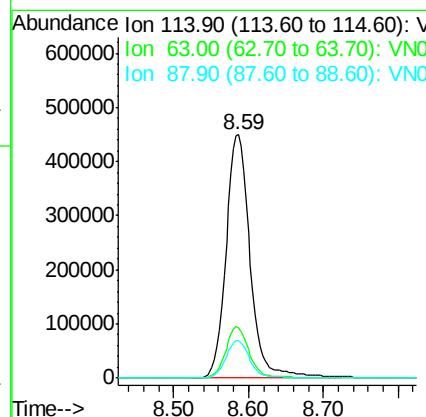
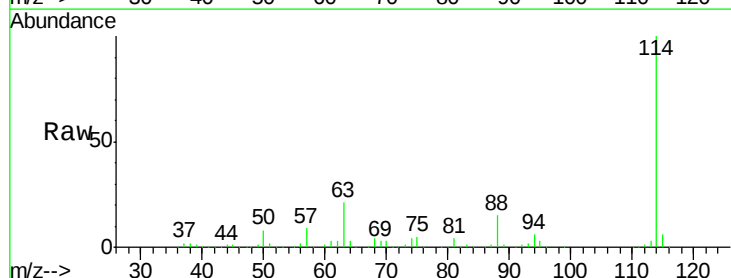
Manual Integrations
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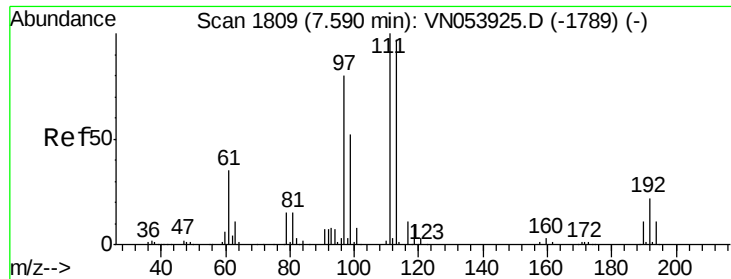
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion: 114 Resp: 1001600
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 37.4
 88 15.2 0.0 30.4





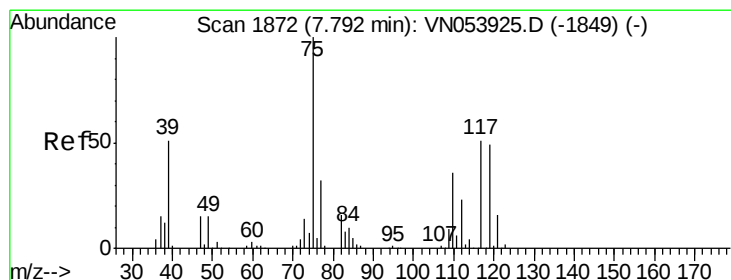
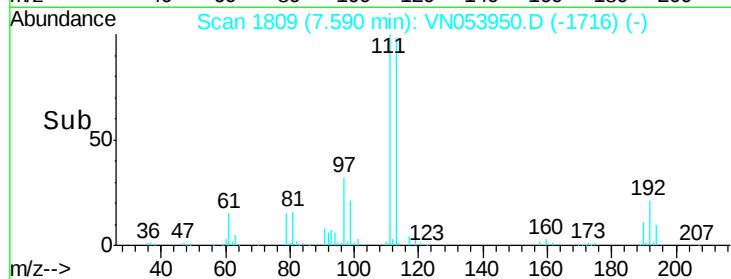
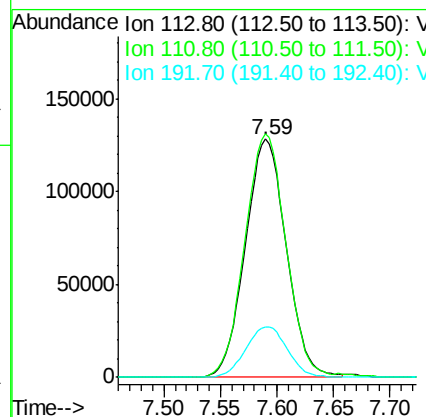
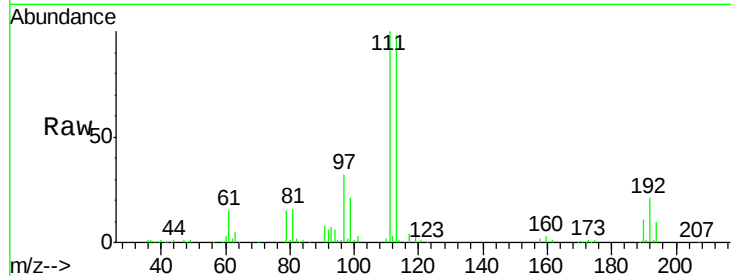
#35
 Dibromofluoromethane
 Concen: 49.902 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampled :
 VN0226WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	323213		
111	102.2	81.1	121.7	
192	21.6	18.8	28.2	

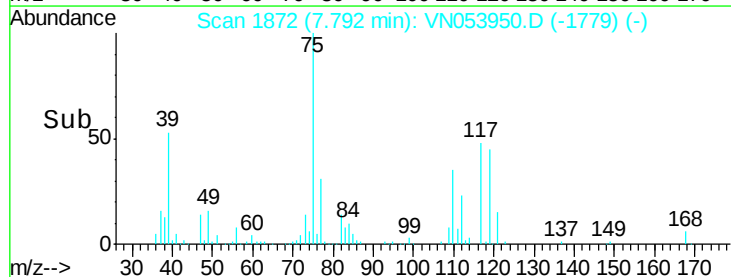
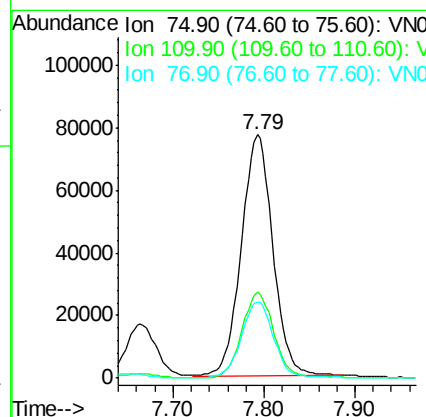
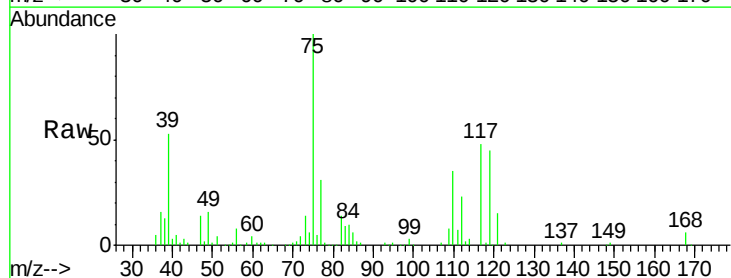
Manual Integrations
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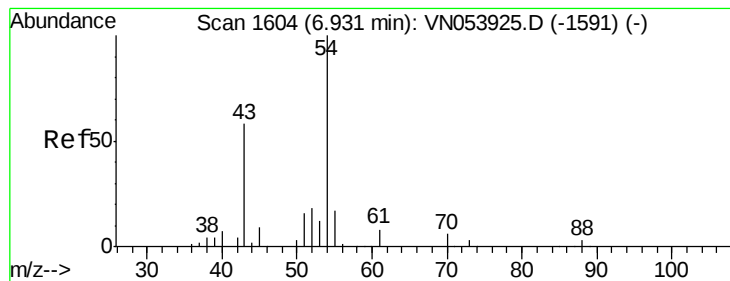
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 2/28/2019 10:49:57 AM



#36
 1,1-Dichloropropene
 Concen: 20.064 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	186891		
110	35.8	19.0	57.0	
77	32.2	25.4	38.0	





#37

Ethyl Acetate

Concen: 19.223 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

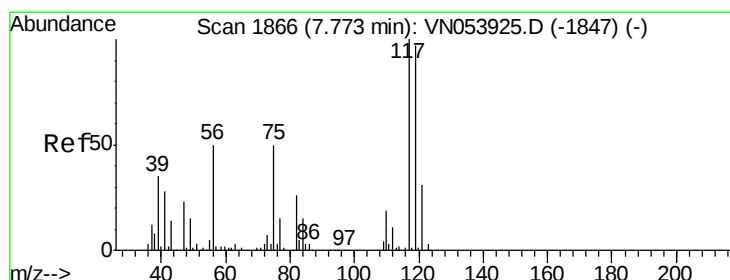
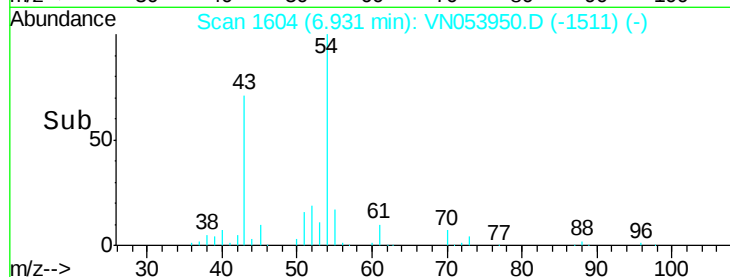
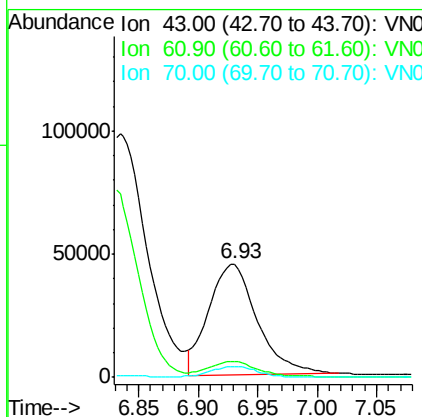
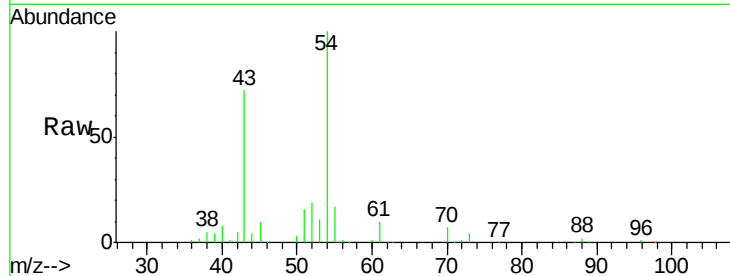
ClientSampleId :

VN0226WBSD01

Tgt Ion:	43	Resp:	127848
Ion Ratio	Lower	Upper	
43	100		
61	12.5	12.0	18.0
70	9.0	8.7	13.1

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 18.313 ug/l

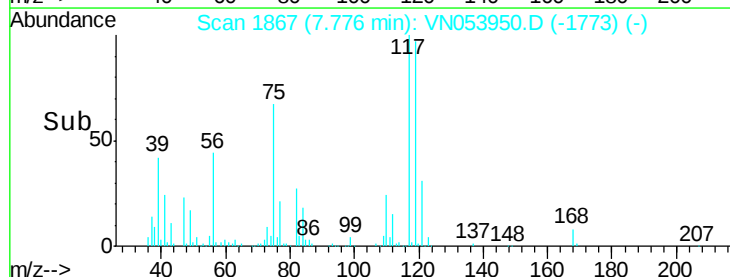
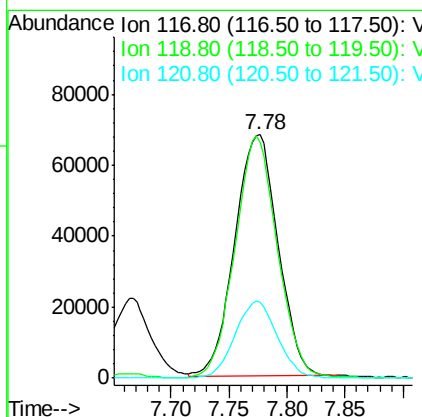
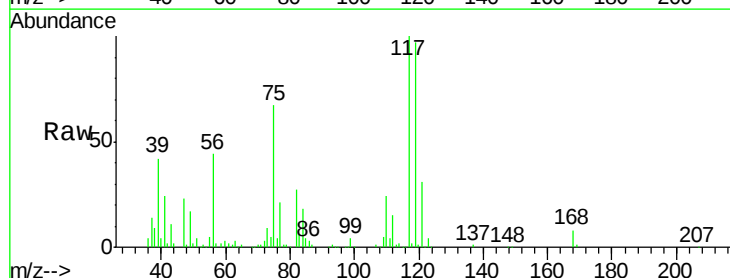
RT: 7.78 min Scan# 1867

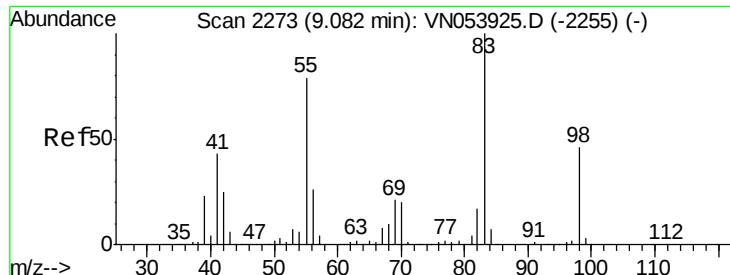
Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Tgt Ion:	117	Resp:	177402
Ion Ratio	Lower	Upper	
117	100		
119	97.7	76.2	114.2
121	31.3	24.6	36.8





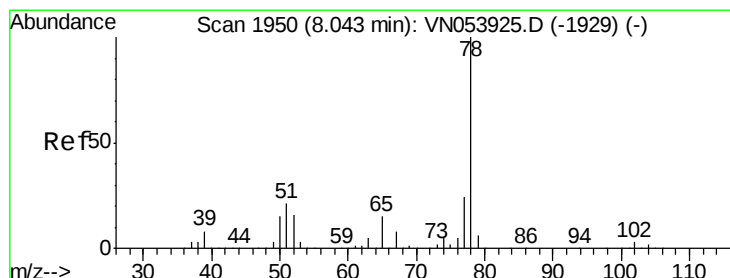
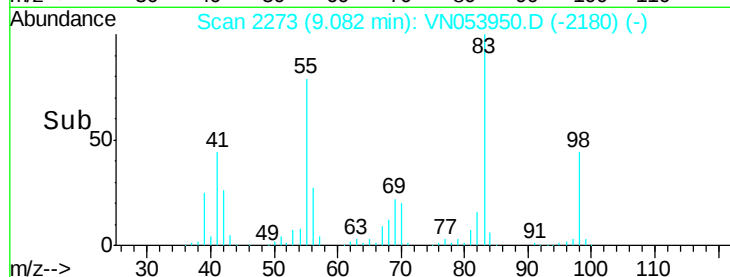
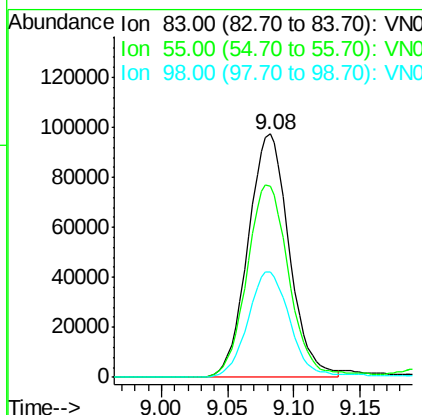
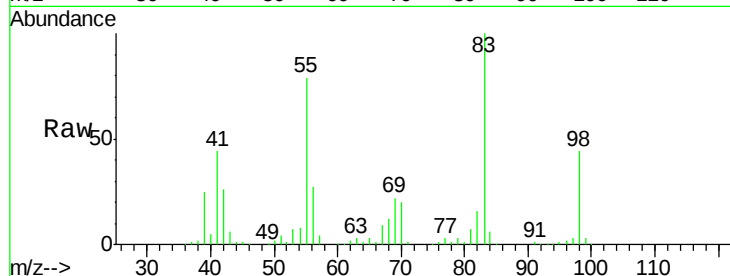
#39
Methylcyclohexane
Concen: 18.805 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.6	58.2	87.4
98	43.5	37.2	55.8

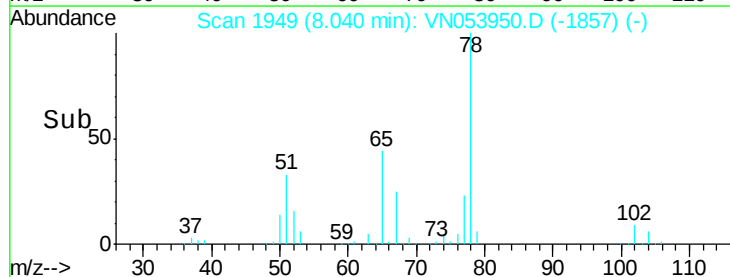
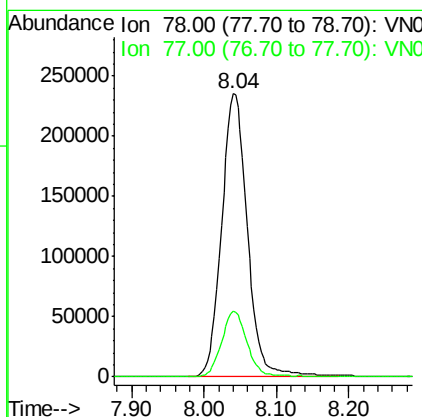
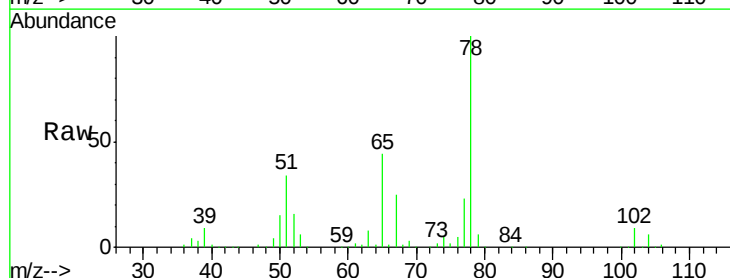
Manual Integrations
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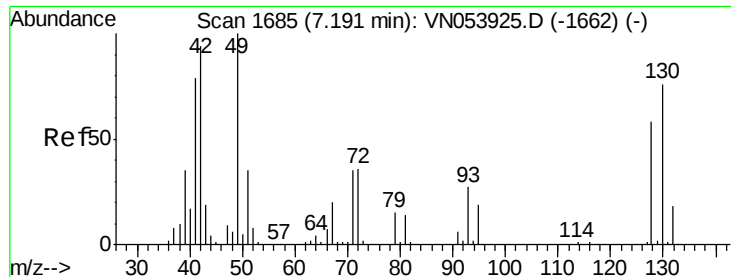
MMDadoda
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#40
Benzene
Concen: 20.335 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





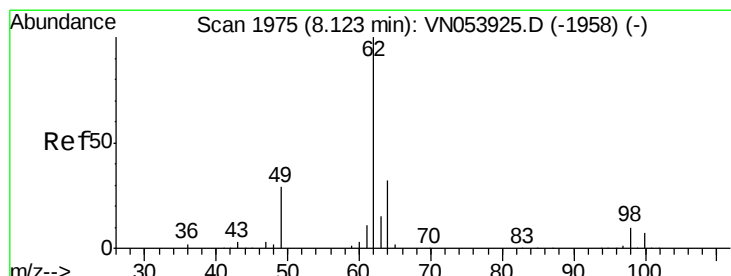
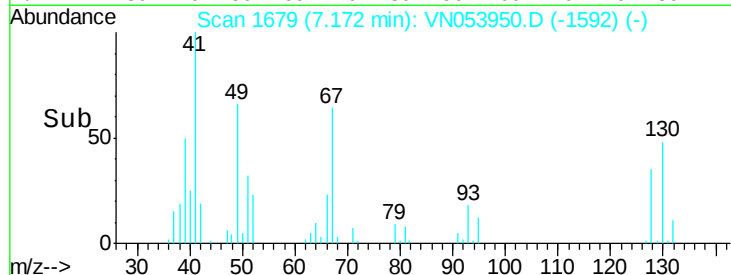
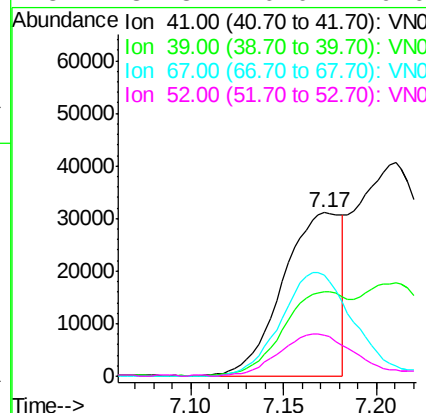
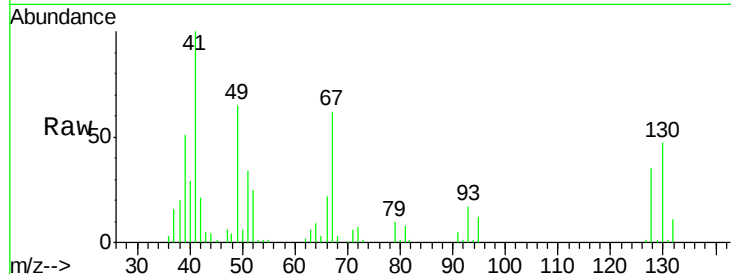
#41
Methacrylonitrile
Concen: 15.989 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.02 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.2	0.0	0.0#
67	80.6	0.0	0.0#
52	34.8	0.0	0.0#

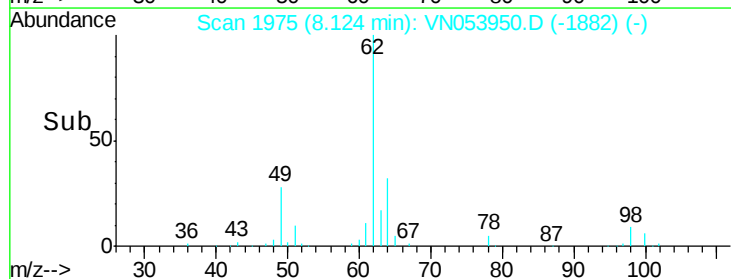
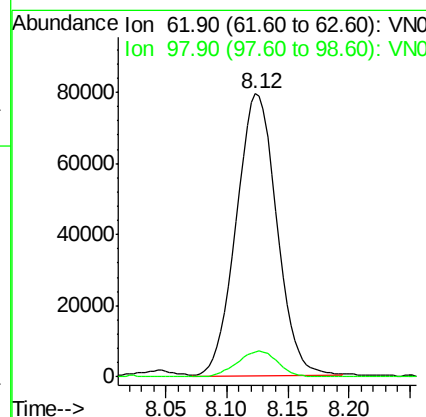
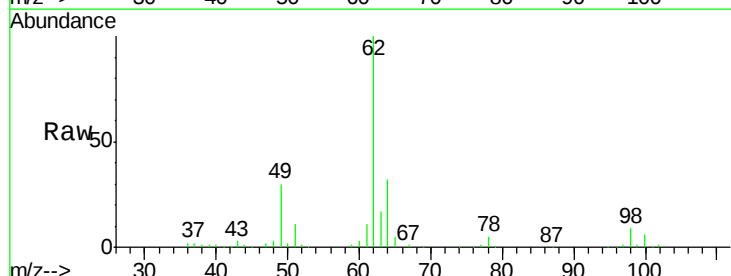
Manual Integrations
APPROVED

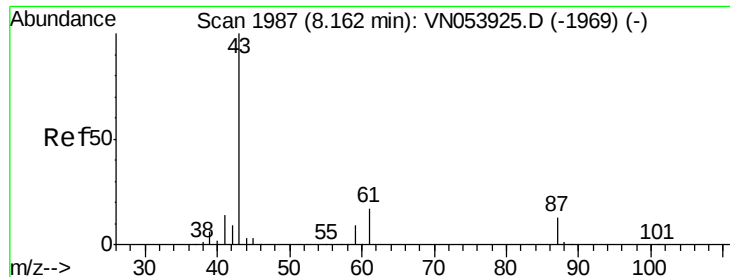
MMDadoda
2/28/2019 10:49:57 AM



#42
1,2-Dichloroethane
Concen: 20.550 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	20.8





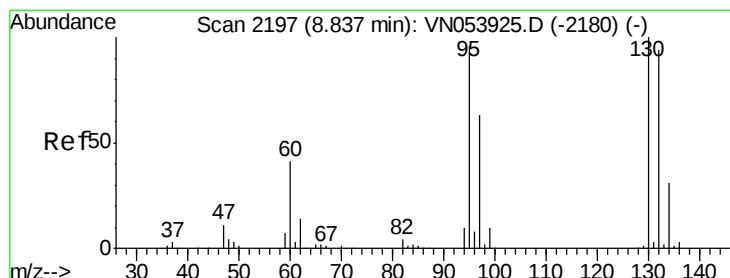
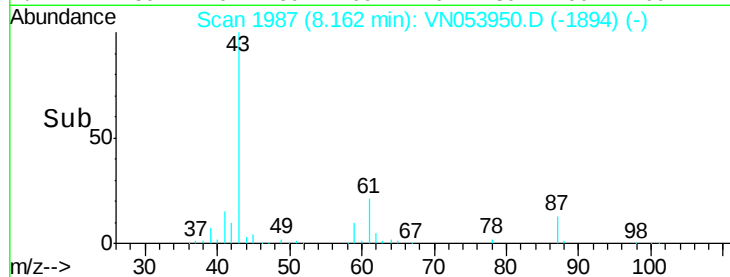
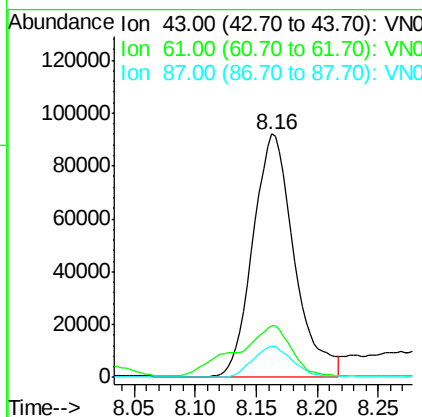
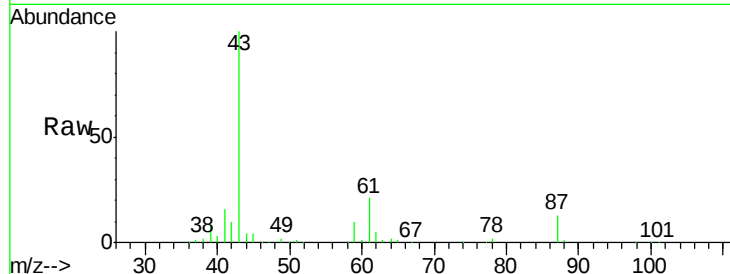
#43
Isopropyl Acetate
Concen: 19.190 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	28.0	17.4	26.0#
87	12.4	11.5	17.3

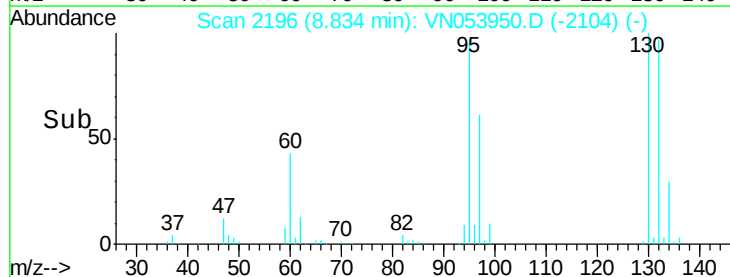
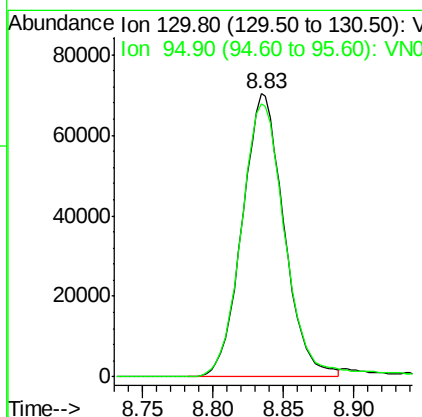
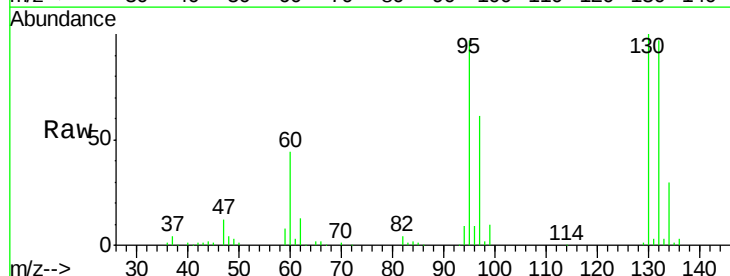
Manual Integrations
APPROVED

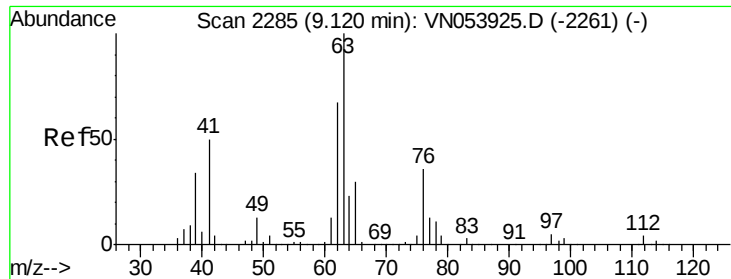
MMDadoda
2/28/2019 10:49:57 AM



#44
Trichloroethene
Concen: 19.171 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	190.0





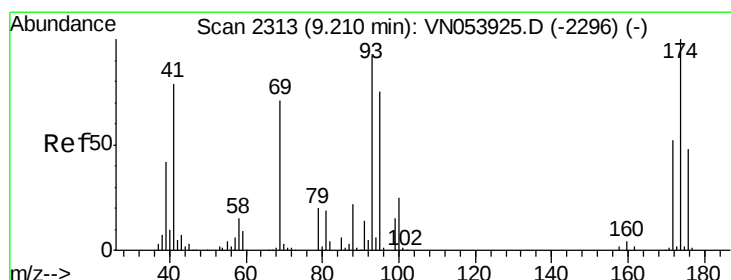
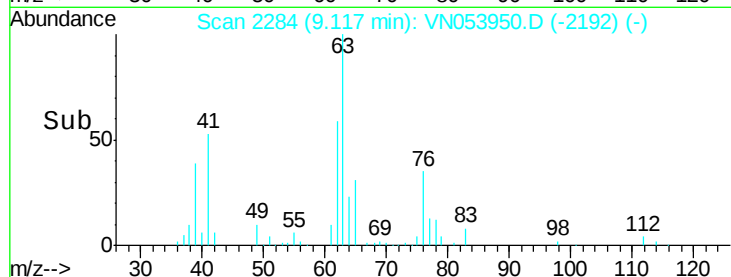
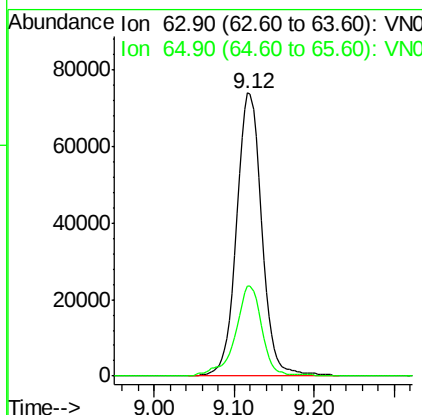
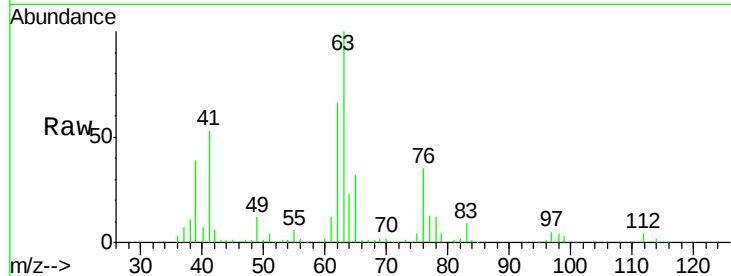
#45
 1,2-Dichloropropane
 Concen: 20.373 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Tgt Ion: 63 Resp: 157279
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.3 36.5

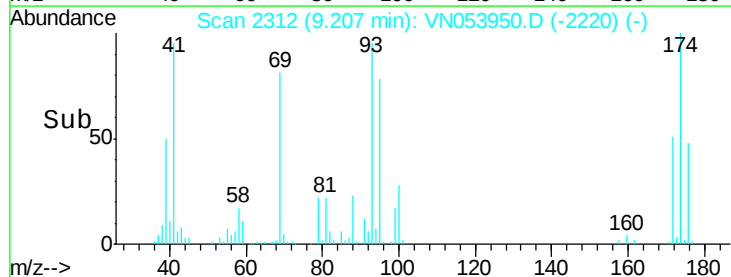
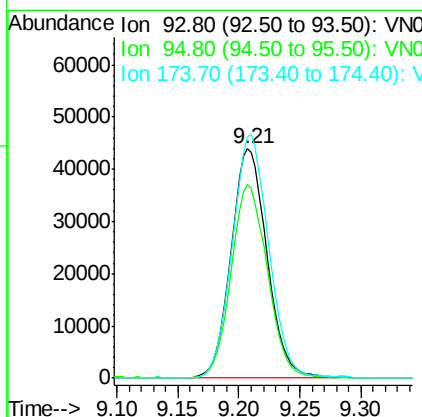
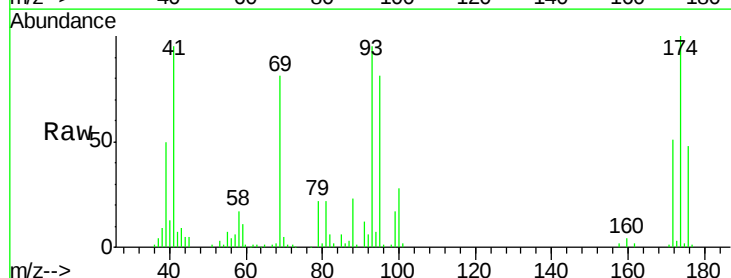
Manual Integrations
 APPROVED

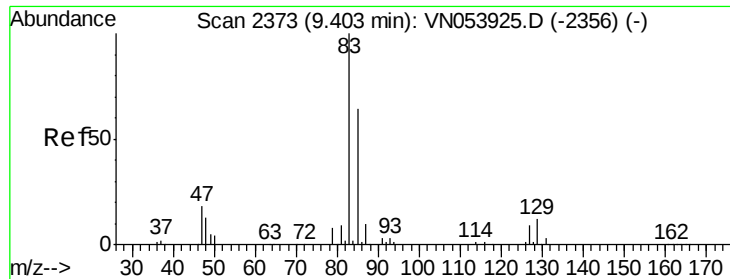
MMDadoda
 2/28/2019 10:49:57 AM



#46
 Dibromomethane
 Concen: 20.093 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion: 93 Resp: 90057
 Ion Ratio Lower Upper
 93 100
 95 85.0 66.6 100.0
 174 107.7 96.2 144.4





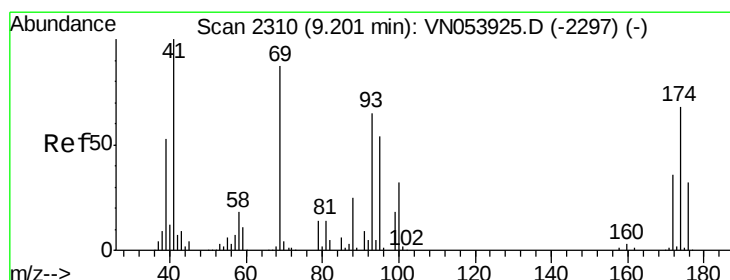
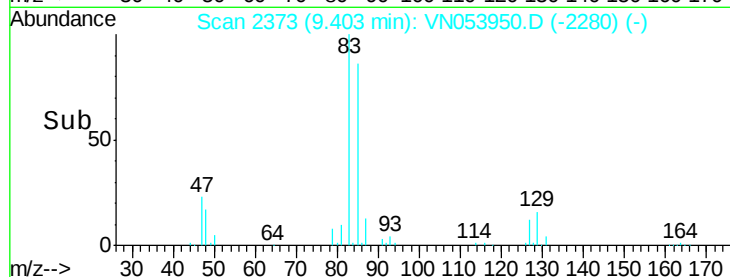
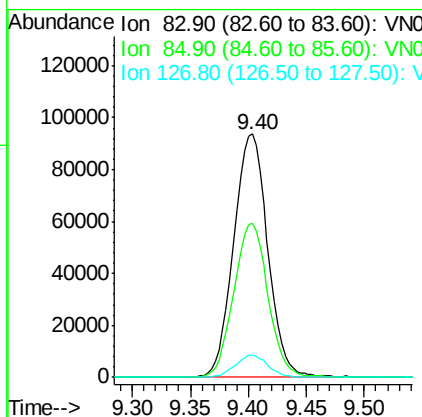
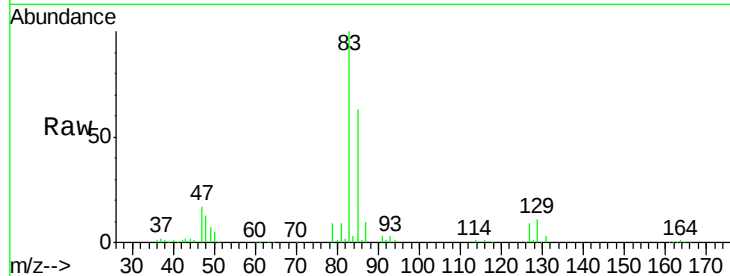
#47
Bromodichloromethane
Concen: 20.204 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	190834		
85	63.1	51.8	77.6	
127	8.9	7.4	11.0	

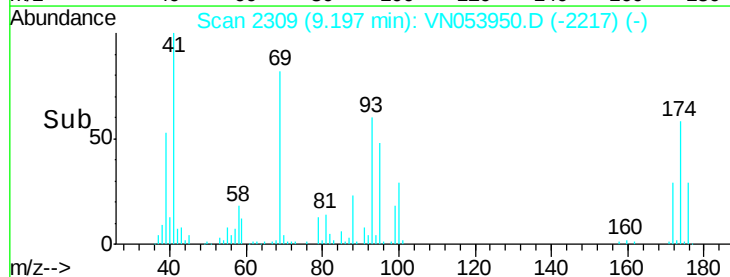
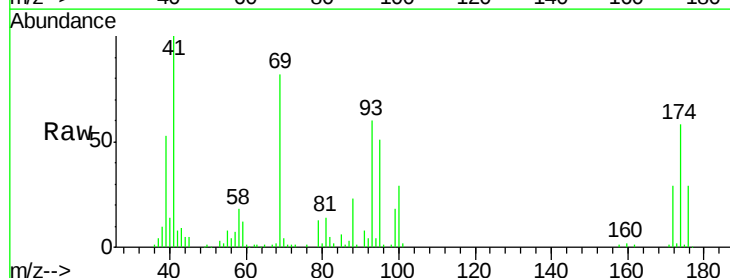
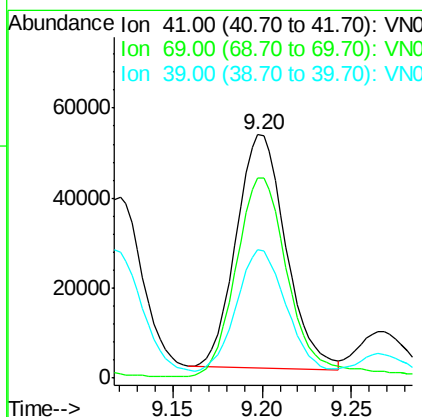
Manual Integrations
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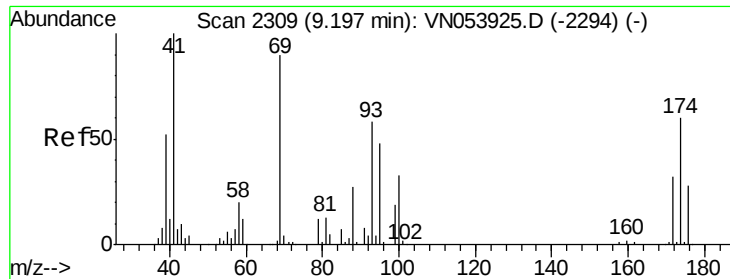
MMDadoda
2/28/2019 10:49:57 AM



#48
Methyl methacrylate
Concen: 19.503 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	100736		
69	91.0	74.8	112.2	
39	56.6	39.0	58.6	





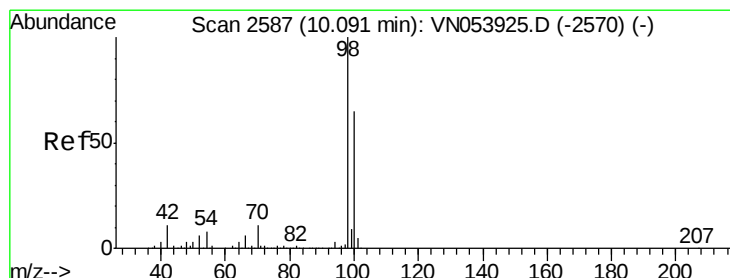
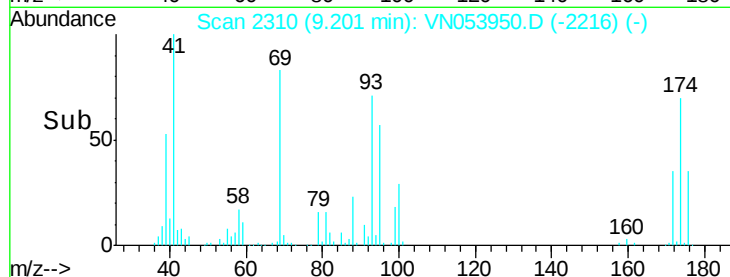
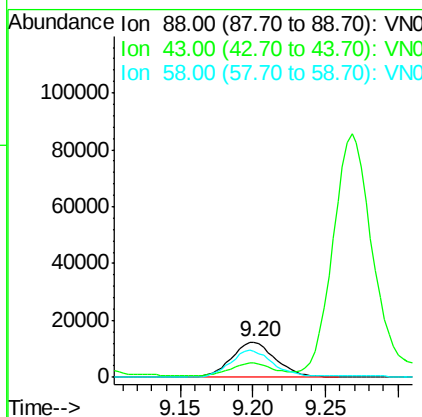
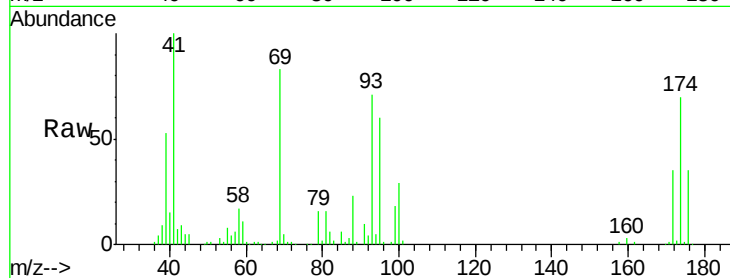
#49
1,4-Dioxane
Concen: 379.617 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.2	21.2	31.8
58	75.1	54.2	81.2

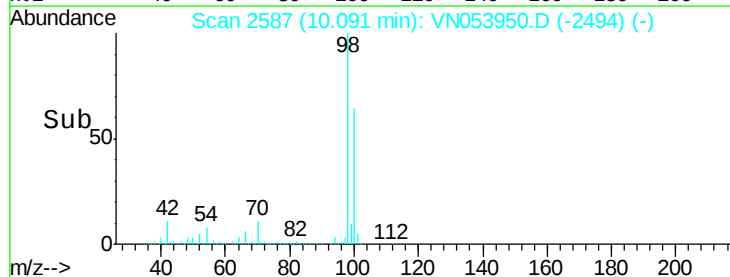
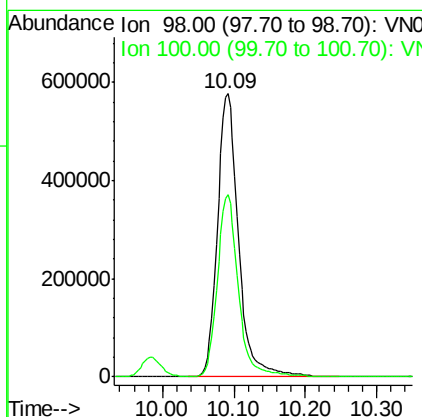
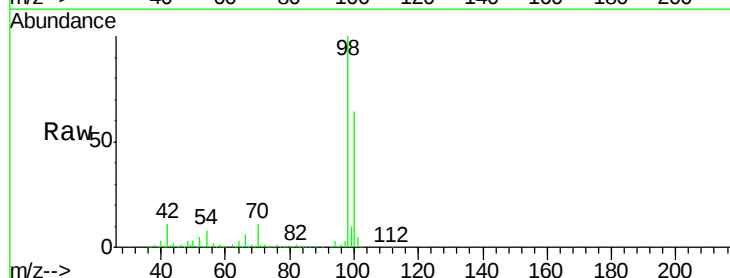
Manual Integrations
APPROVED

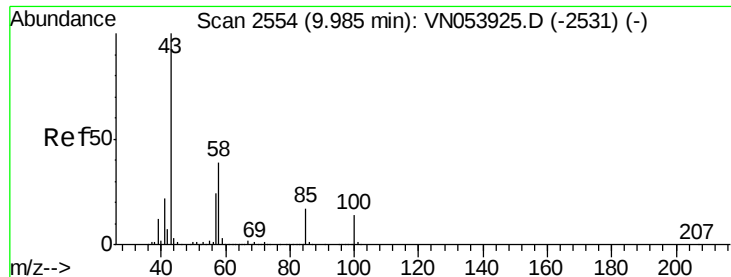
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#50
Toluene-d8
Concen: 49.026 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.9	77.9





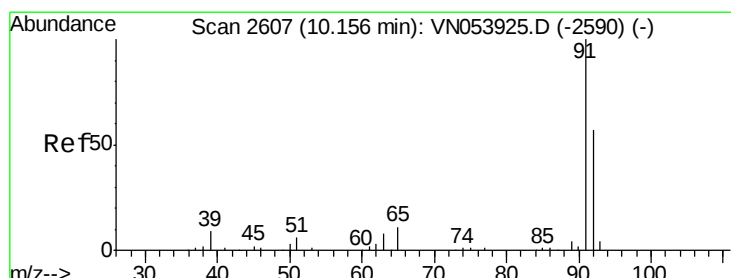
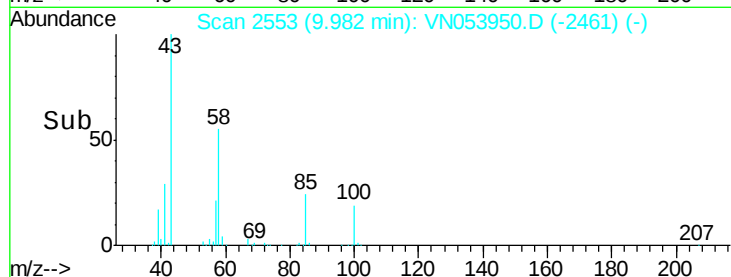
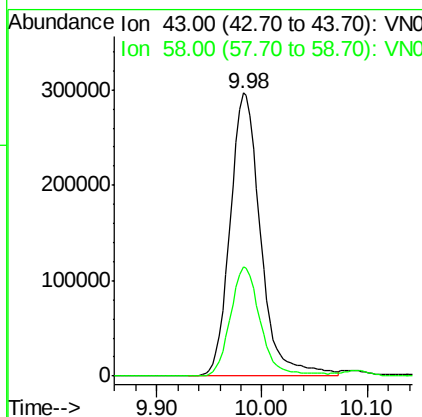
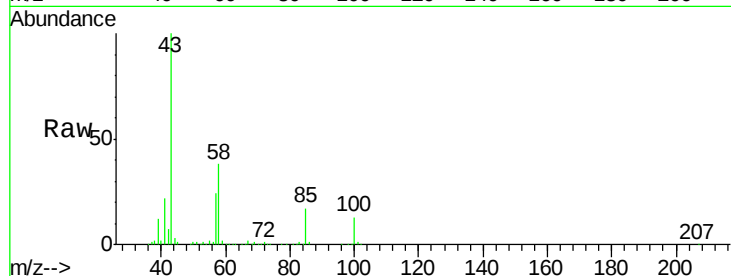
#51
4-Methyl-2-Pentanone
Concen: 102.522 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tgt Ion: 43 Resp: 591601
Ion Ratio Lower Upper
43 100
58 38.3 32.7 49.1

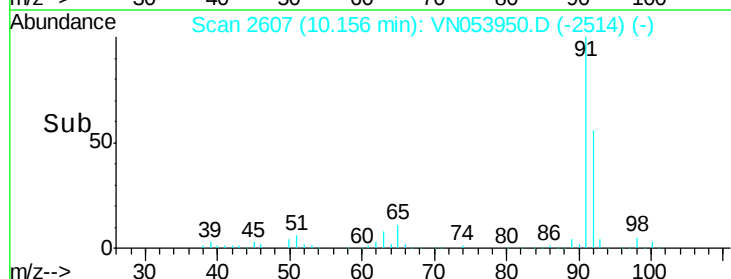
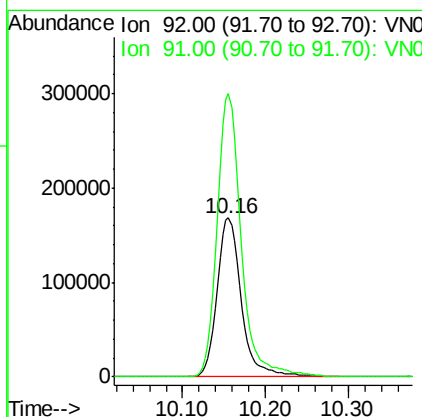
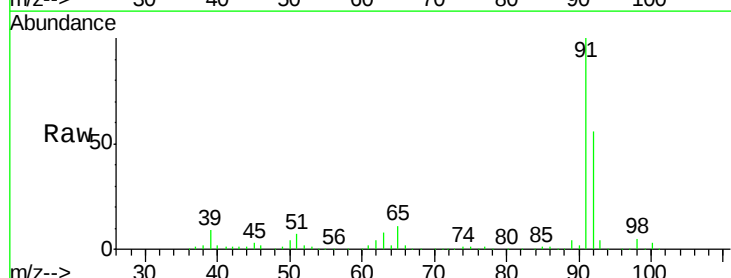
Manual Integrations
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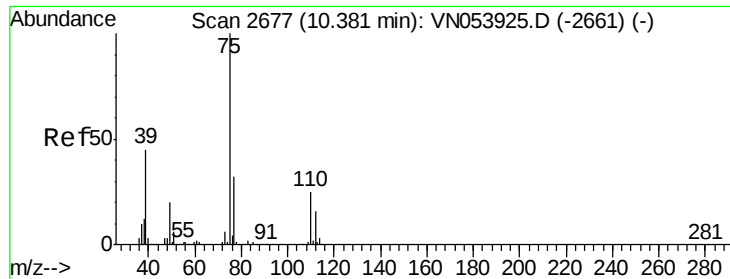
MMDadoda
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#52
Toluene
Concen: 20.194 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion: 92 Resp: 340250
Ion Ratio Lower Upper
92 100
91 177.1 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 19.857 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tgt Ion: 75 Resp: 182493

Ion Ratio Lower Upper

75 100

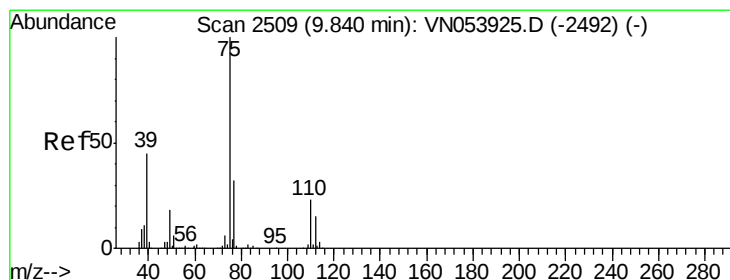
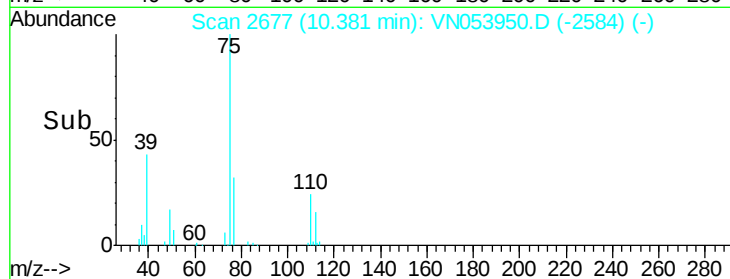
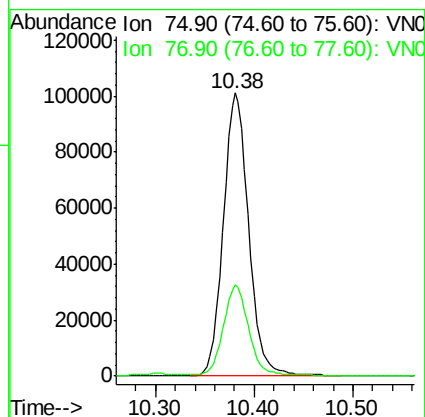
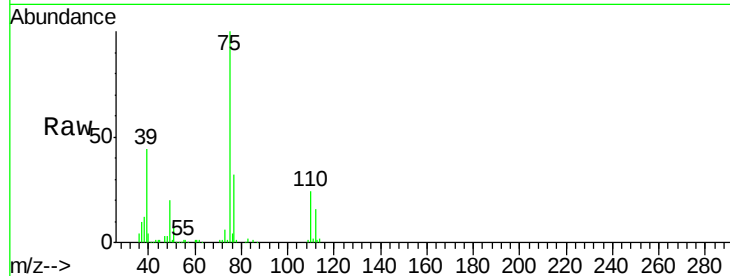
77 31.9 25.0 37.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.991 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

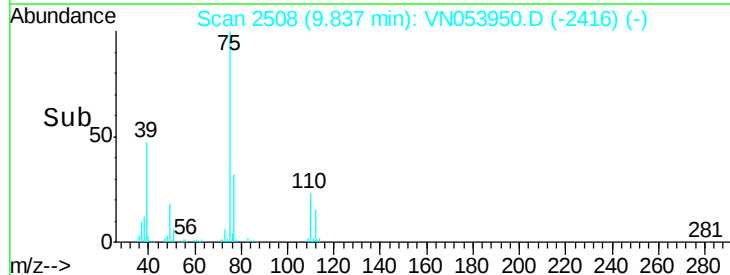
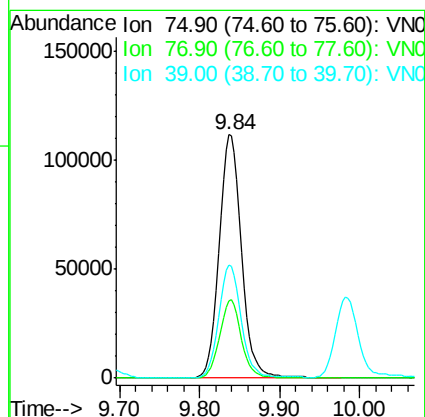
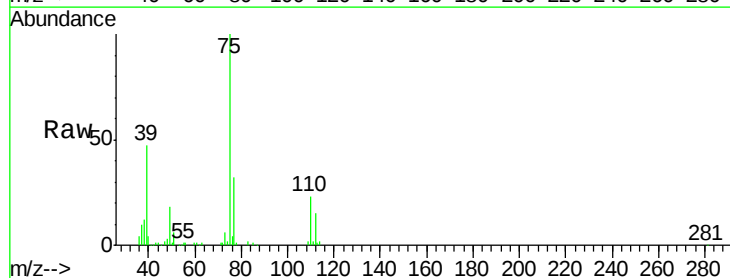
Tgt Ion: 75 Resp: 216586

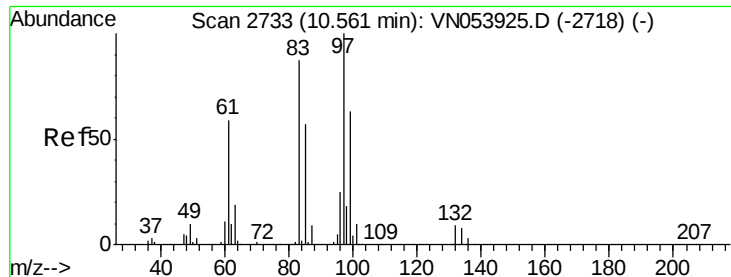
Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6

39 46.6 31.4 47.0





#55

1,1,2-Trichloroethane

Concen: 20.031 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

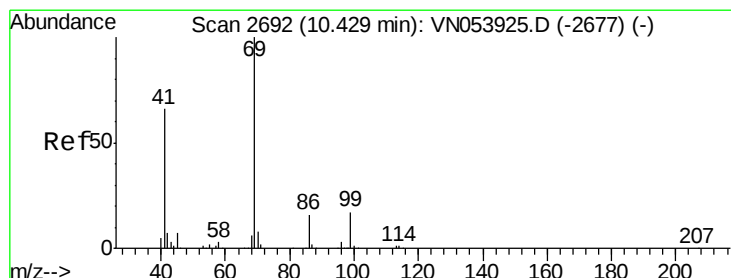
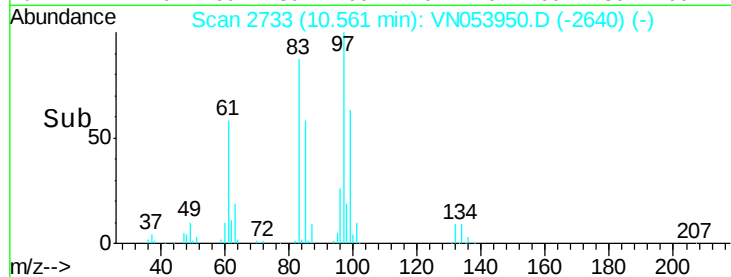
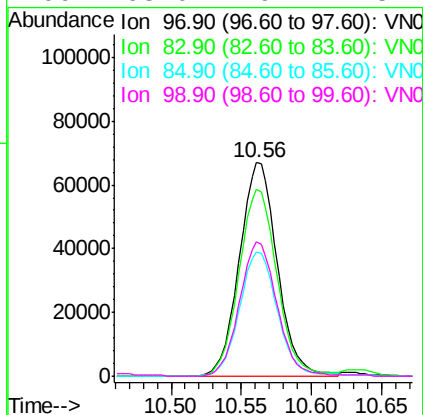
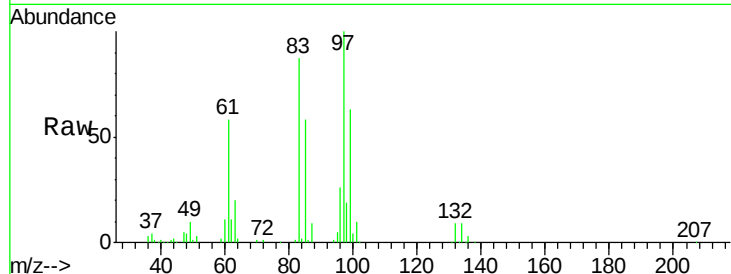
ClientSampleId :

VN0226WBSD01

Tgt Ion:	97	Resp:	126044
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.5	104.3
85	58.0	45.9	68.9
99	63.0	49.1	73.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.324 ug/l

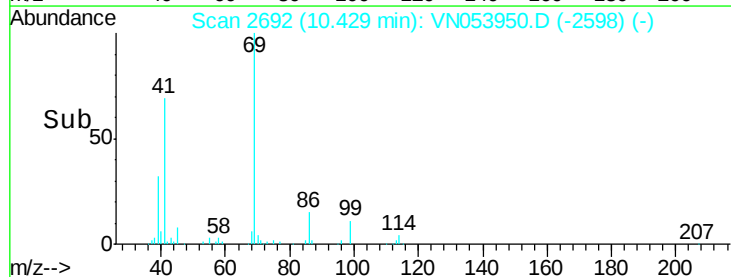
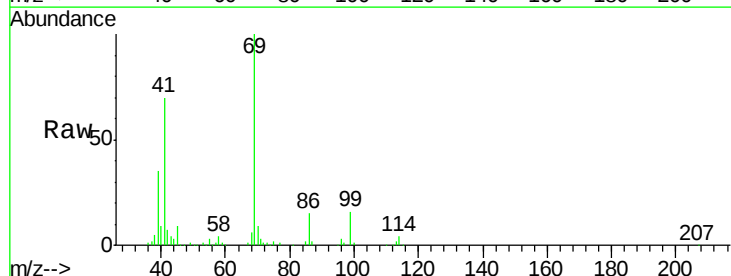
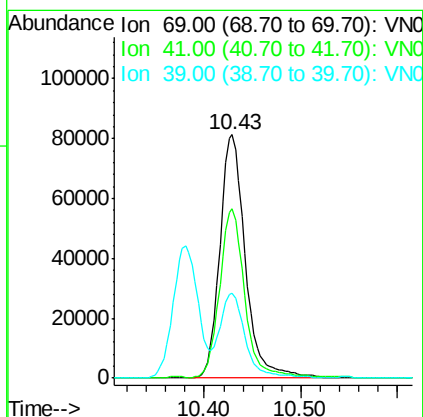
RT: 10.43 min Scan# 2692

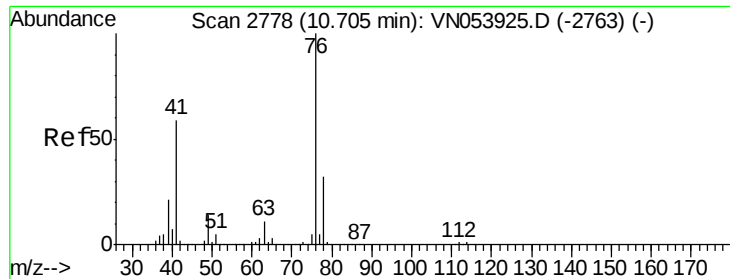
Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Tgt Ion:	69	Resp:	149136
Ion	Ratio	Lower	Upper
69	100		
41	67.6	47.5	71.3
39	34.5	23.4	35.0





#57

1,3-Dichloropropane

Concen: 20.544 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tgt Ion: 76 Resp: 218423

Ion Ratio Lower Upper

76 100

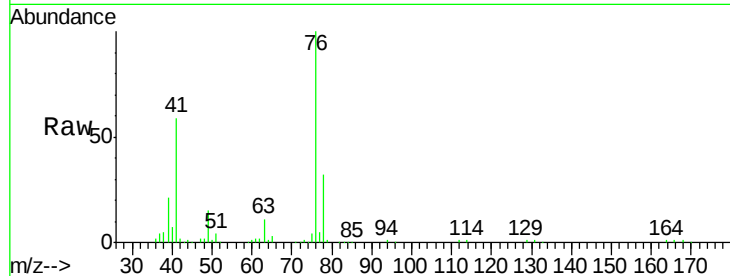
78 32.1 25.2 37.8

Manual Integrations

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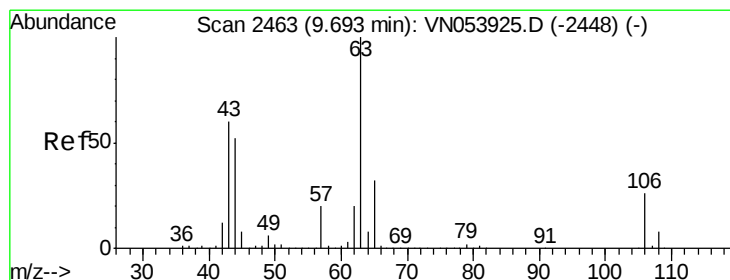
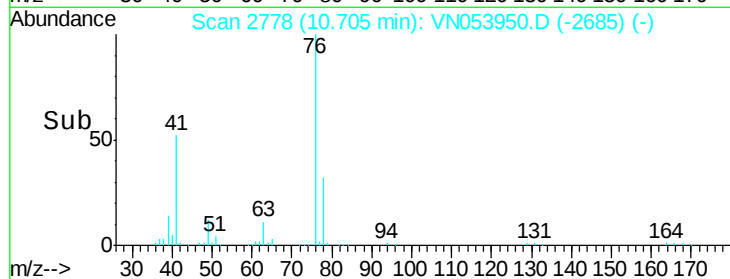
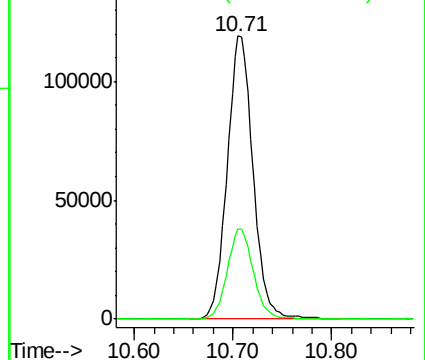
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 95.760 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053950.D

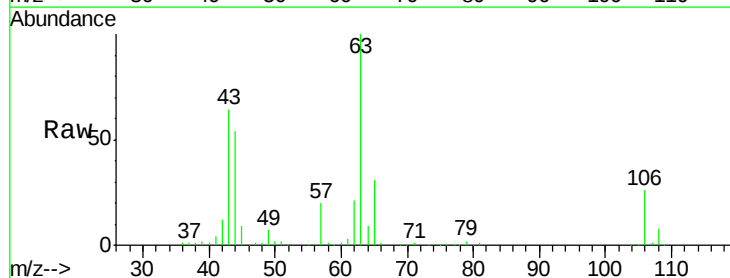
Acq: 26 Feb 2019 13:03

Tgt Ion: 63 Resp: 333709

Ion Ratio Lower Upper

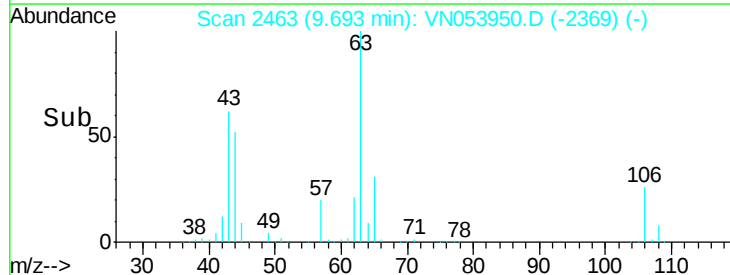
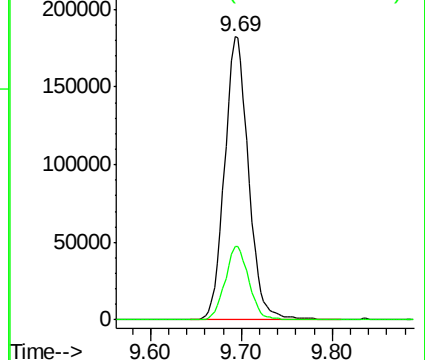
63 100

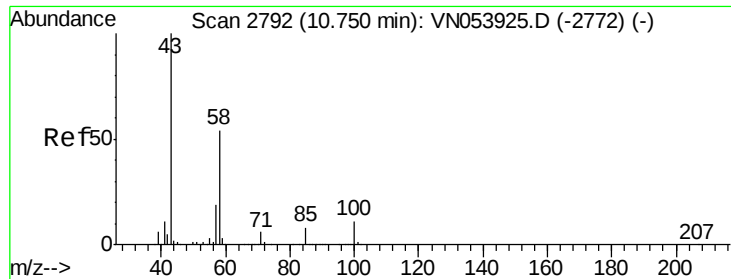
106 25.8 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





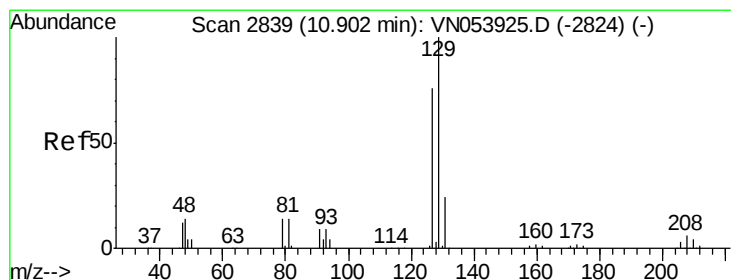
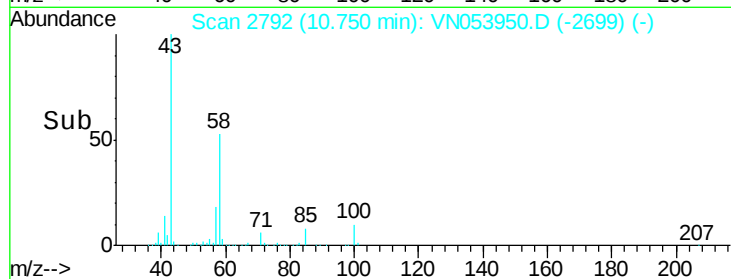
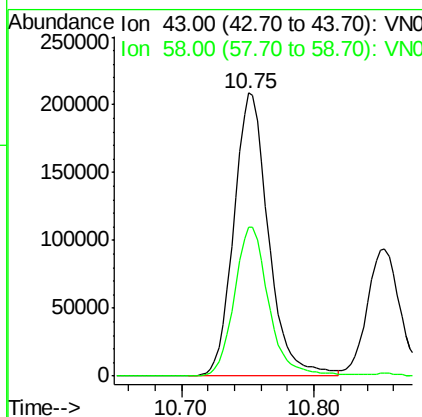
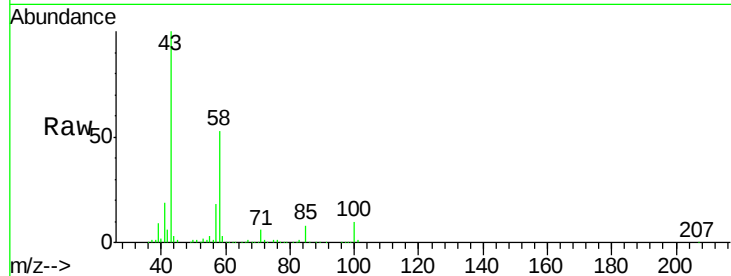
#59
2-Hexanone
Concen: 99.959 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tgt Ion: 43 Resp: 375149
Ion Ratio Lower Upper
43 100
58 52.9 29.1 87.4

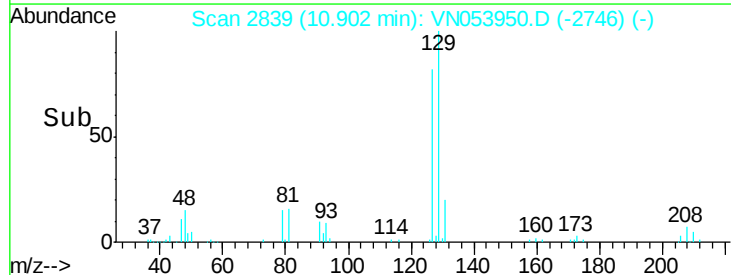
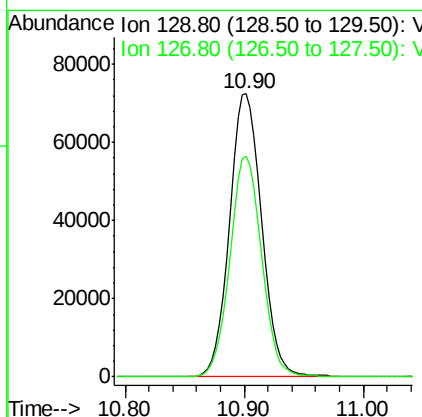
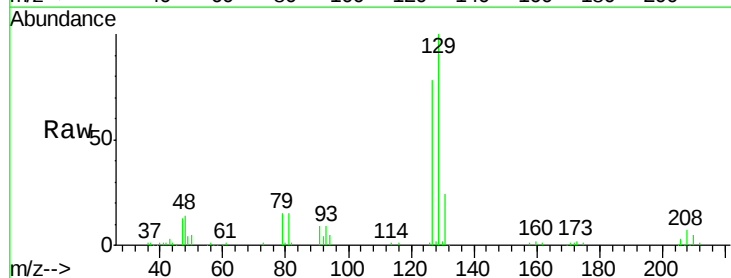
Manual Integrations
APPROVED

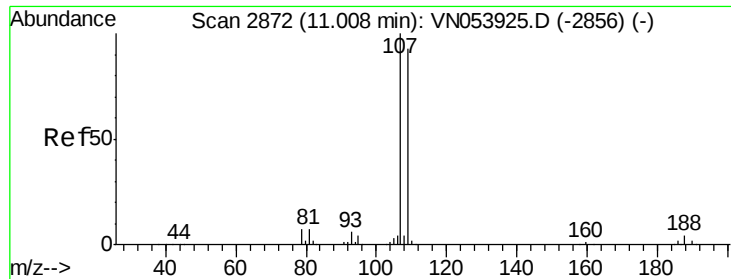
MMDadoda
2/28/2019 10:49:57 AM



#60
Dibromochloromethane
Concen: 19.413 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion: 129 Resp: 135760
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3





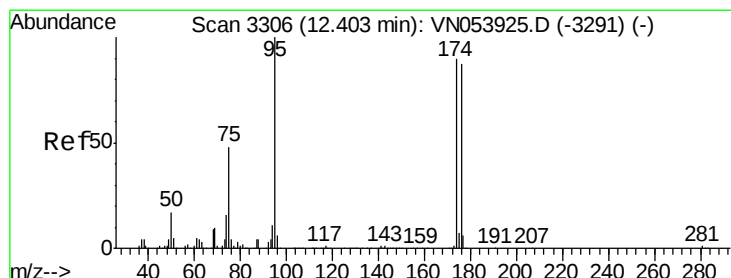
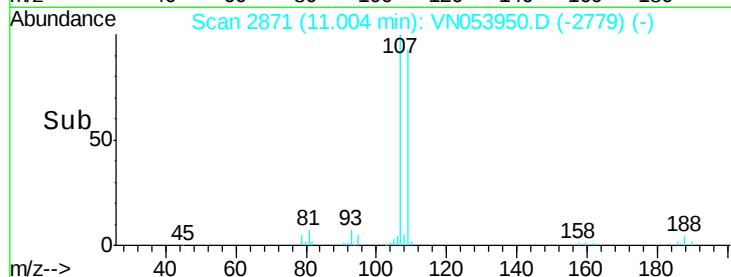
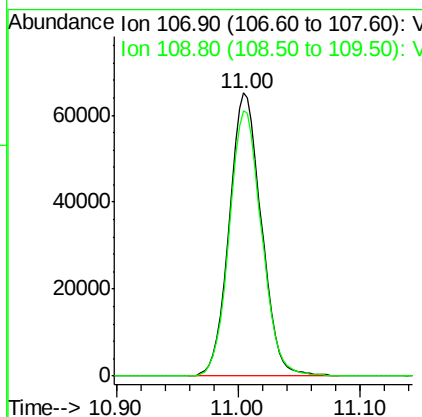
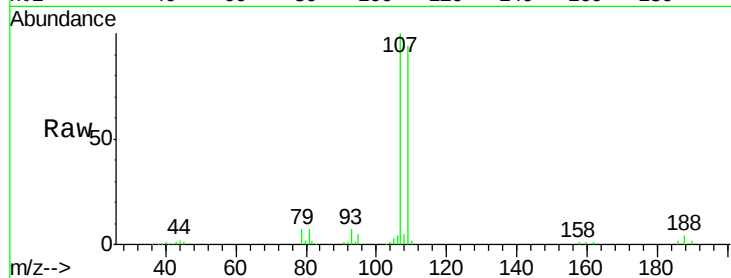
#61
1,2-Dibromoethane
Concen: 19.632 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tgt Ion: 107 Resp: 119171
Ion Ratio Lower Upper
107 100
109 94.7 76.3 114.5

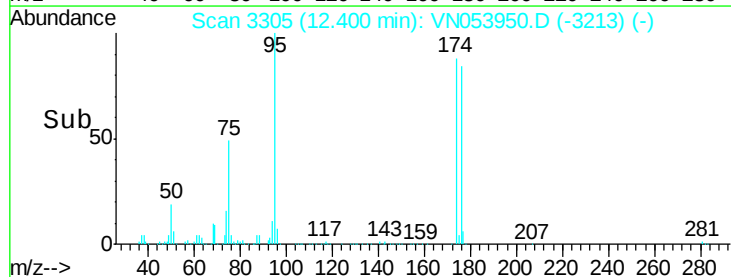
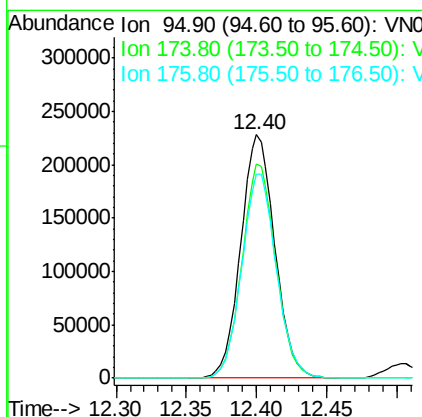
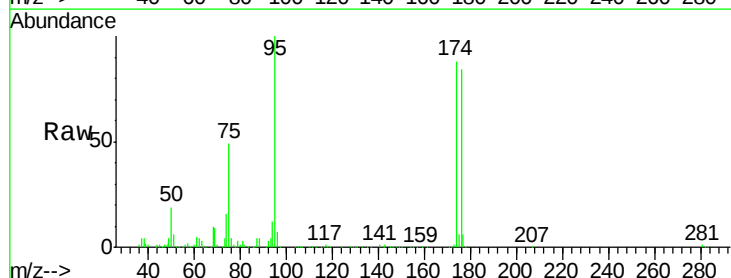
Manual Integrations
APPROVED

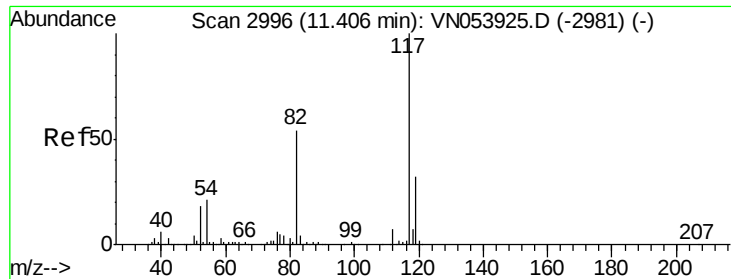
MMDadoda
2/28/2019 10:49:57 AM



#62
4-Bromofluorobenzene
Concen: 48.143 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion: 95 Resp: 386734
Ion Ratio Lower Upper
95 100
174 87.3 0.0 188.8
176 84.9 0.0 182.6





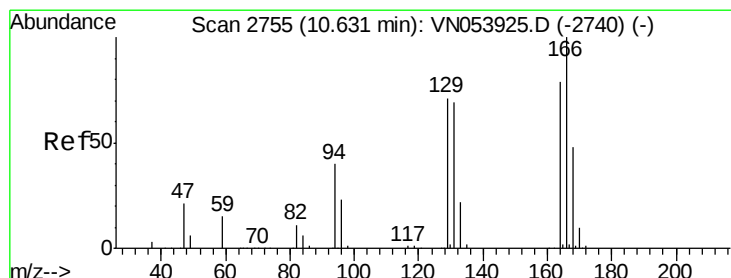
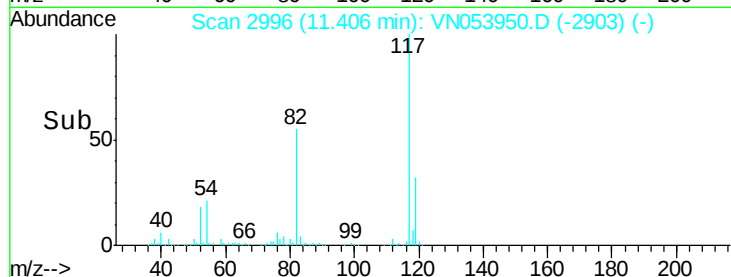
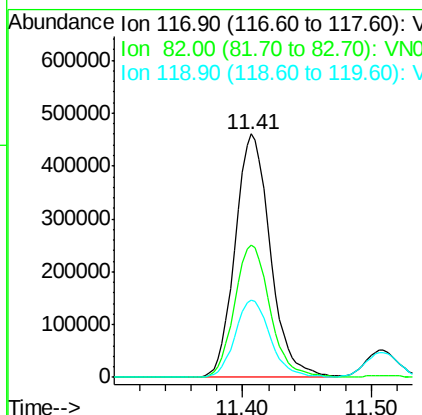
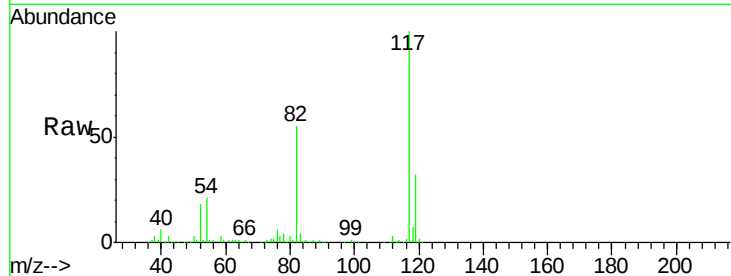
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	874851		
82	54.5	41.4	62.2	
119	31.8	25.3	37.9	

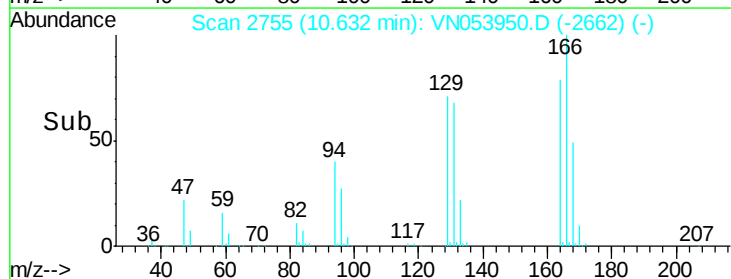
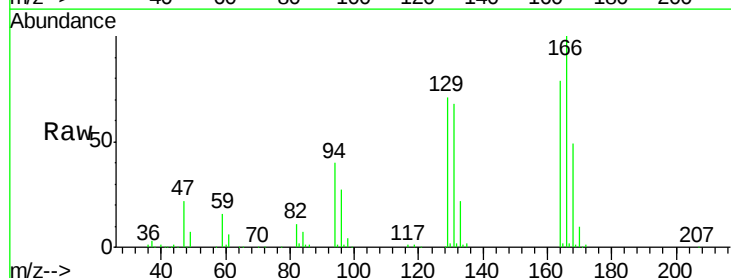
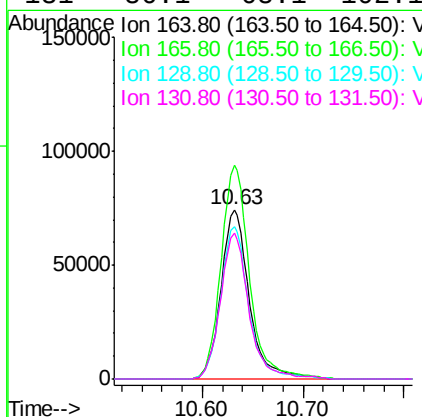
Manual Integrations
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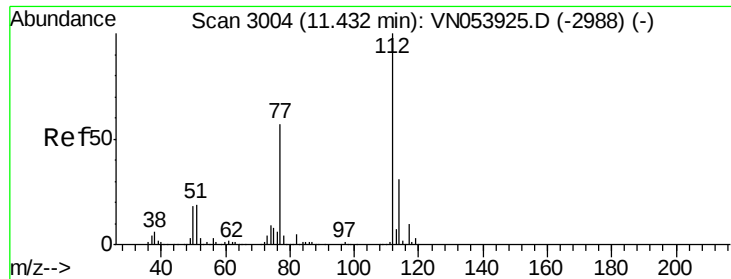
MMDadoda
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#64
Tetrachloroethene
Concen: 19.648 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	145551		
166	126.2	102.6	153.8	
129	90.0	69.4	104.0	
131	86.1	68.1	102.1	





#65

Chlorobenzene

Concen: 19.586 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tgt Ion:112 Resp: 361634

Ion Ratio Lower Upper

112 100

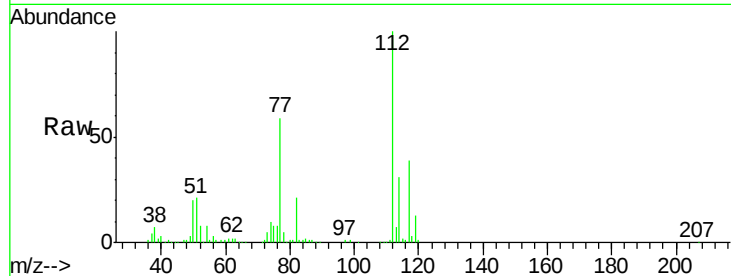
114 30.5 25.7 38.5

Manual Integrations

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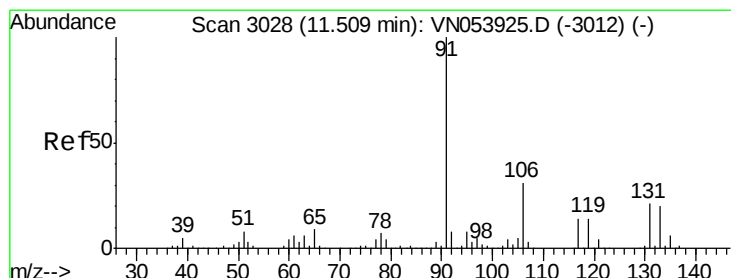
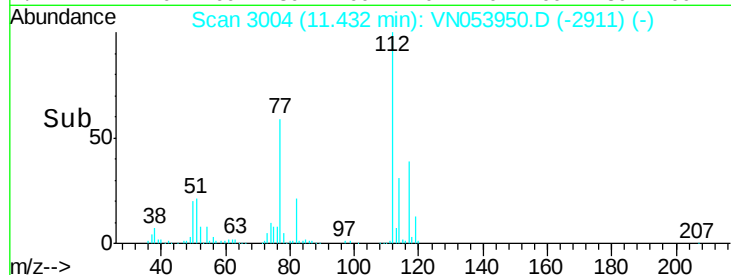
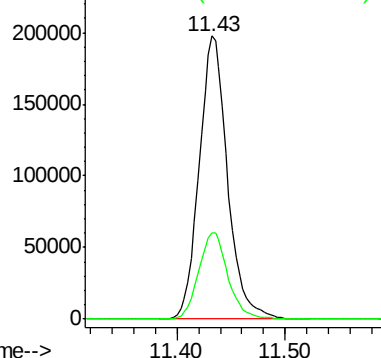
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.794 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

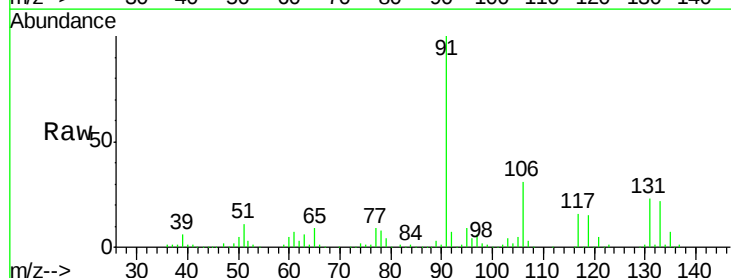
Tgt Ion:131 Resp: 131712

Ion Ratio Lower Upper

131 100

133 95.6 47.7 143.1

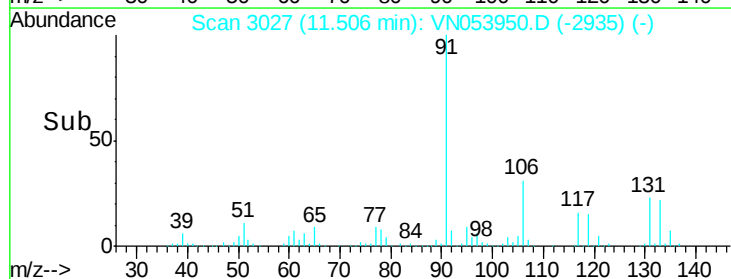
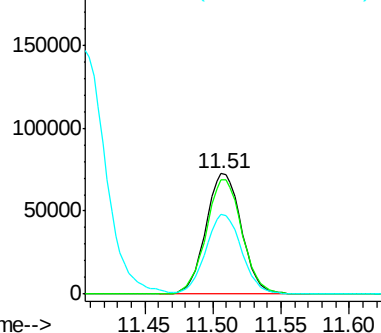
119 66.9 33.1 99.3

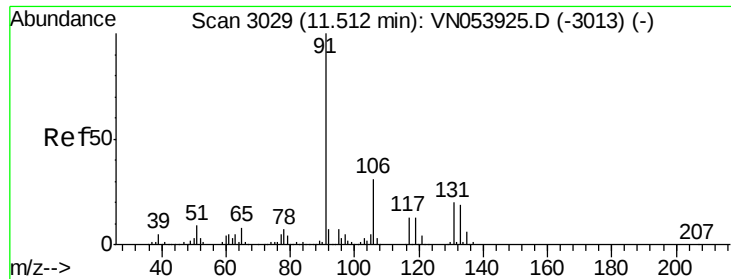


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





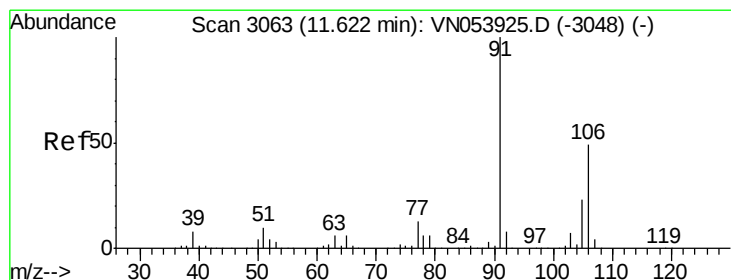
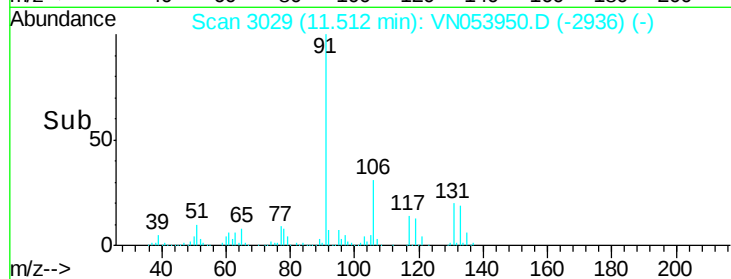
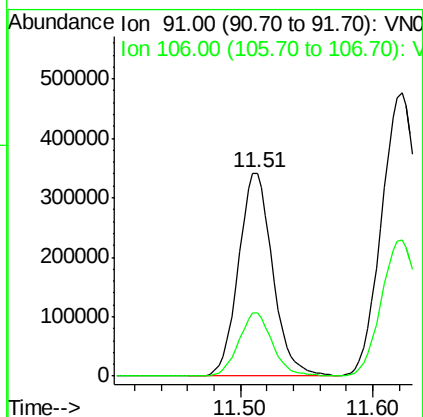
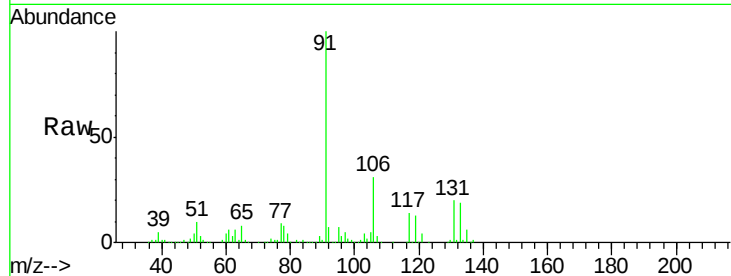
#67
Ethyl Benzene
Concen: 19.821 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tgt Ion: 91 Resp: 613524
Ion Ratio Lower Upper
91 100
106 30.9 25.2 37.8

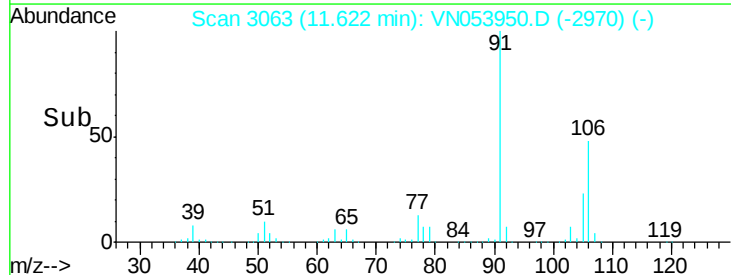
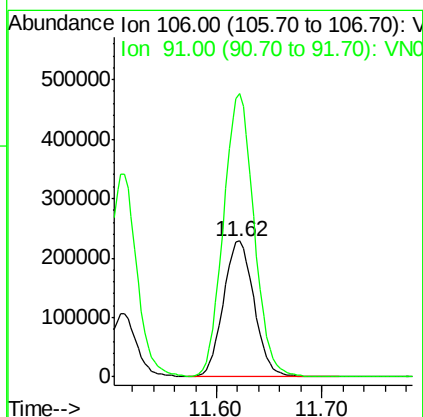
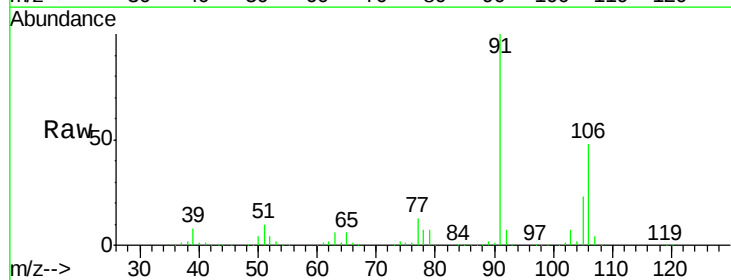
Manual Integrations
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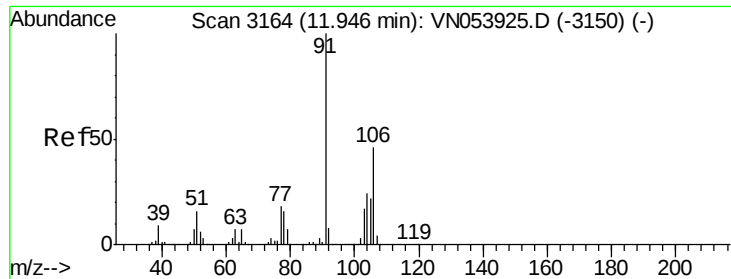
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#68
m/p-Xylenes
Concen: 39.663 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion: 106 Resp: 463348
Ion Ratio Lower Upper
106 100
91 206.5 158.9 238.3





#69

o-Xylene

Concen: 19.808 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tgt Ion:106 Resp: 227369

Ion Ratio Lower Upper

106 100

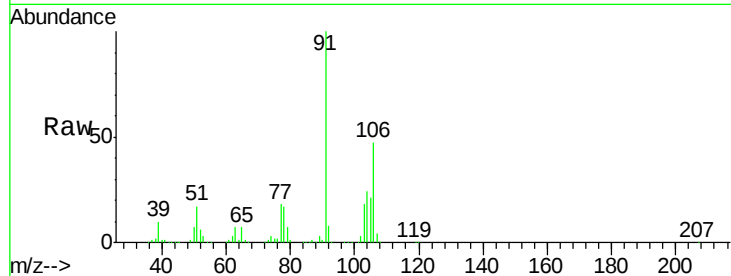
91 214.3 106.0 318.0

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

300000

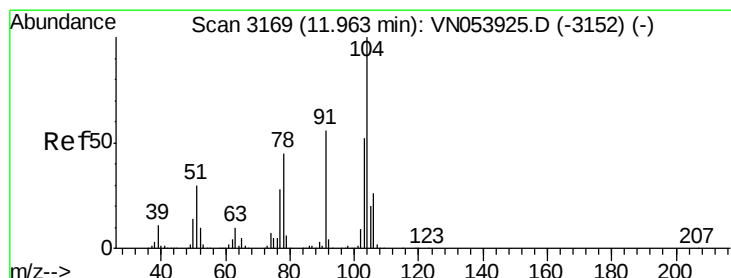
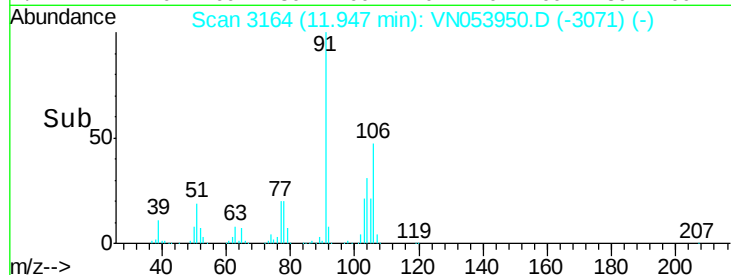
200000

100000

0

11.85 11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 20.187 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

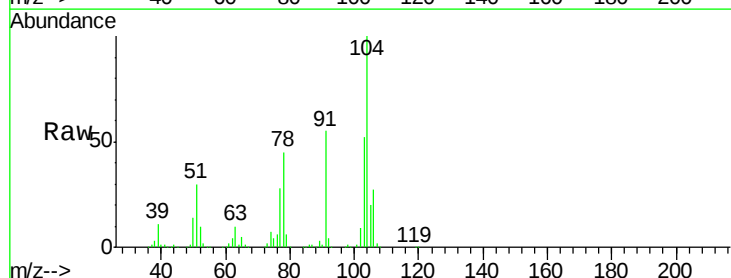
Tgt Ion:104 Resp: 356404

Ion Ratio Lower Upper

104 100

78 49.6 38.1 57.1

103 56.6 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

250000

200000

150000

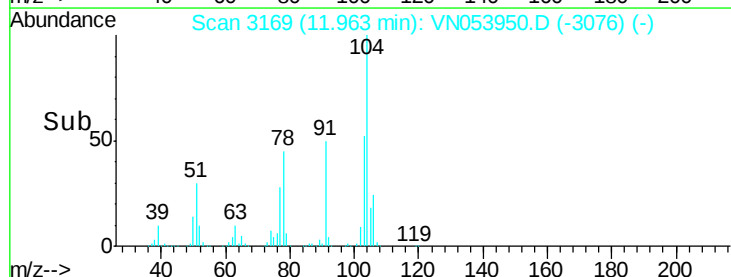
100000

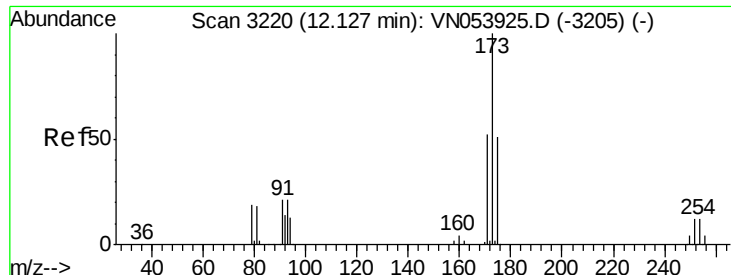
50000

0

11.90 11.95 12.00

Time-->





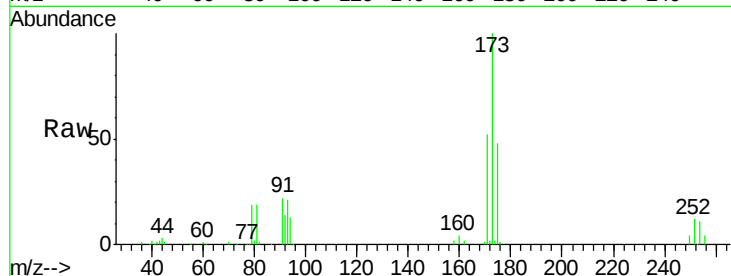
#71
Bromoform
Concen: 19.426 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

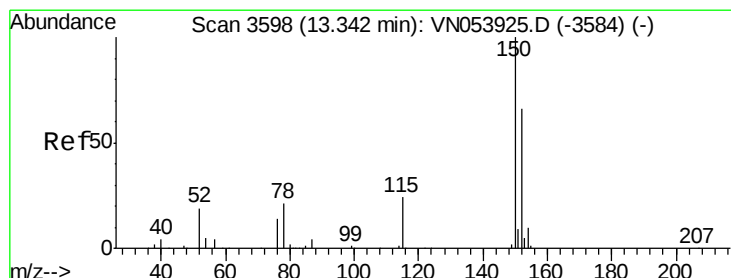
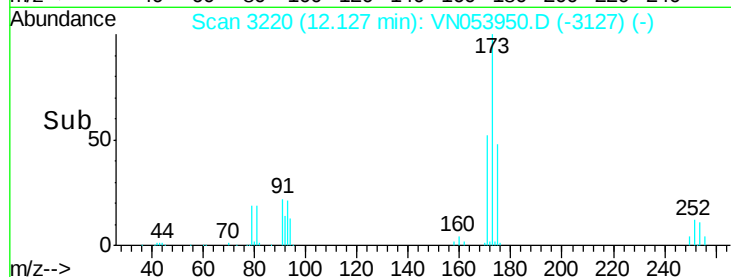
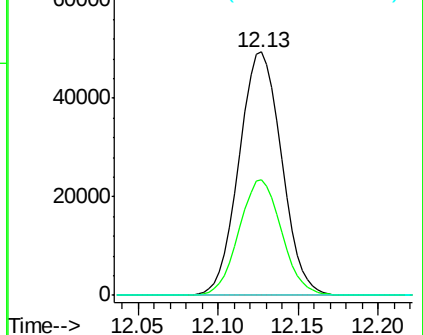
Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.3	72.8
254	0.0	0.2	0.2

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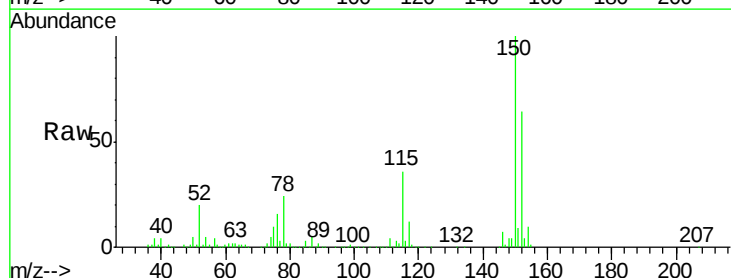


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

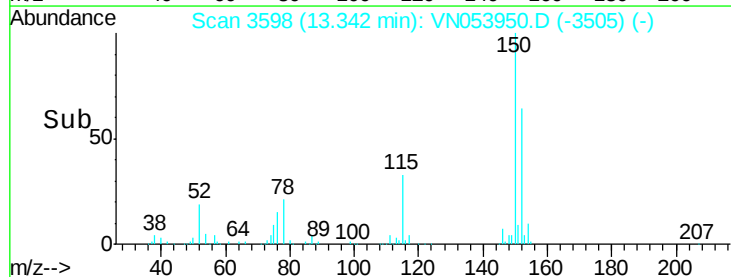
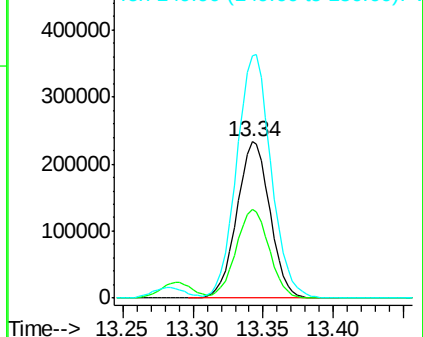


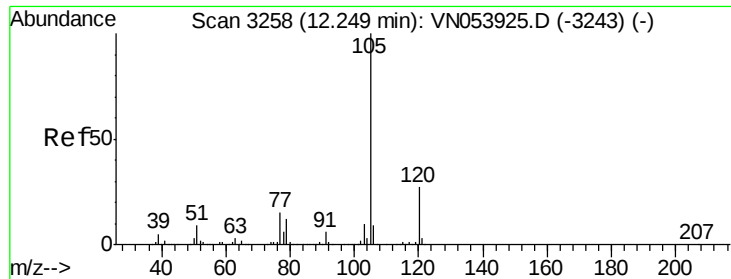
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	27.2	81.6
150	162.9	0.0	348.2



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: 20.017 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tgt Ion: 105 Resp: 596242

Ion Ratio Lower Upper

105 100

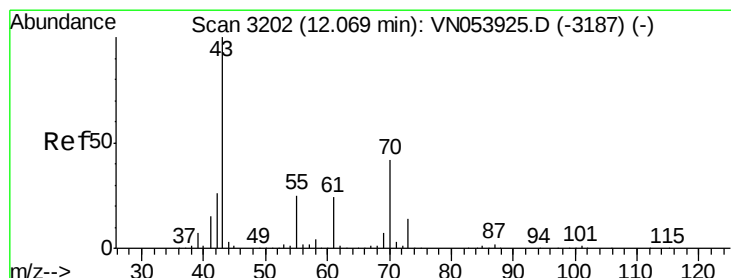
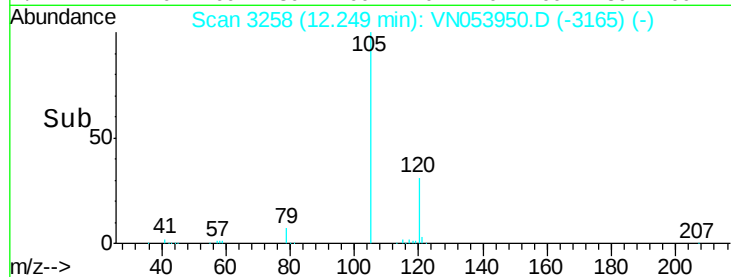
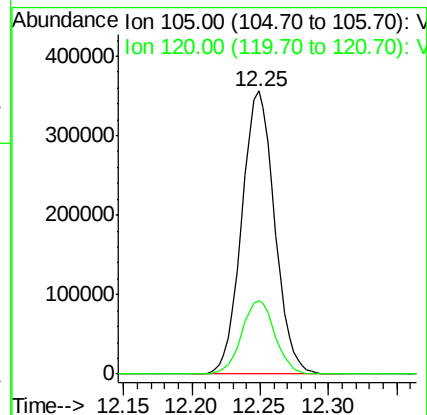
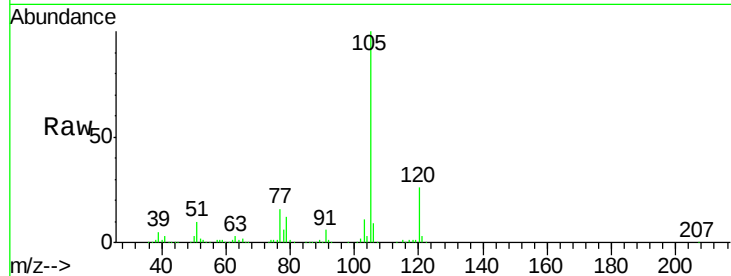
120 26.4 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.710 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Tgt Ion: 43 Resp: 153872

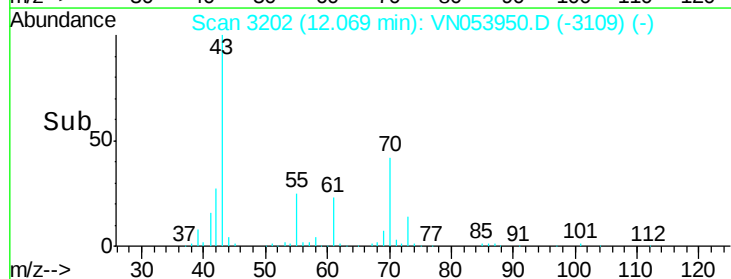
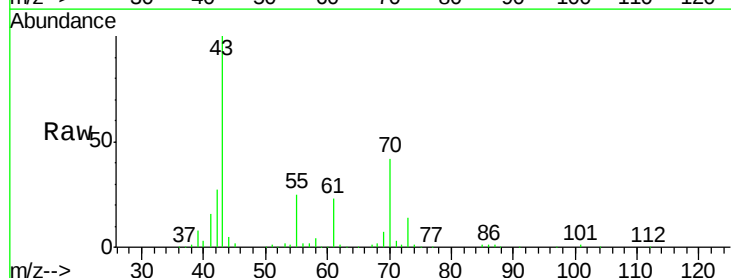
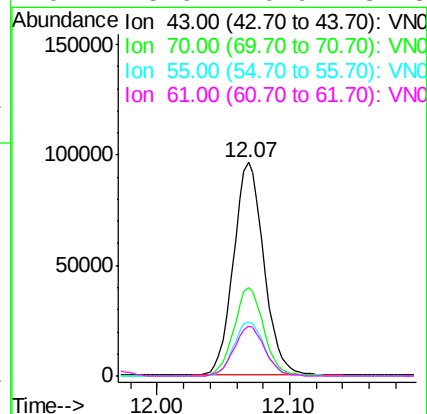
Ion Ratio Lower Upper

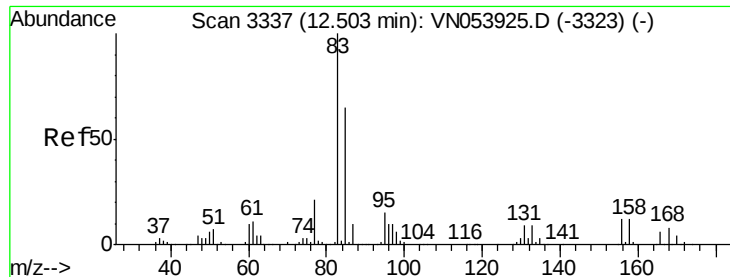
43 100

70 40.9 37.4 56.2

55 25.5 21.4 32.0

61 23.6 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.136 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

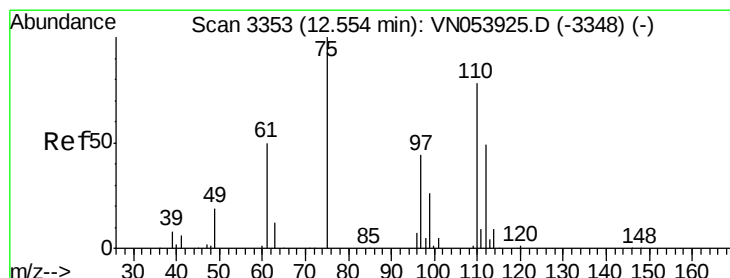
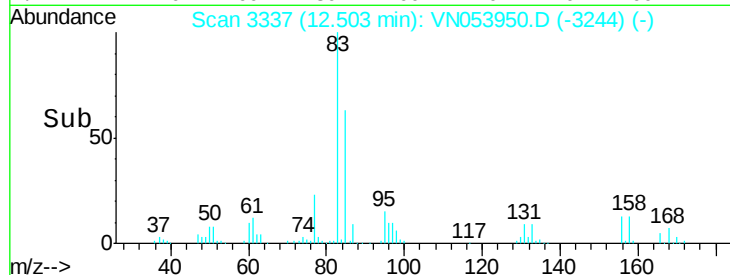
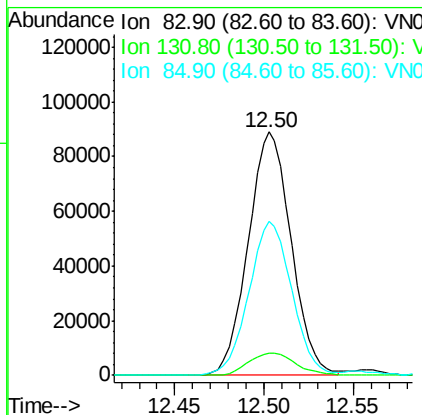
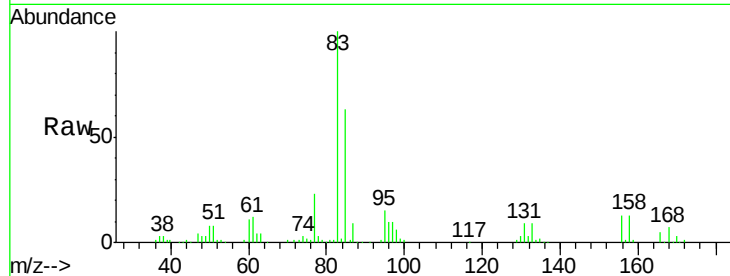
ClientSampleId :

VN0226WBSD01

Tgt Ion:	83	Resp:	149984
Ion Ratio		Lower	Upper
83	100		
131	10.0	5.3	16.1
85	63.2	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.970 ug/l m

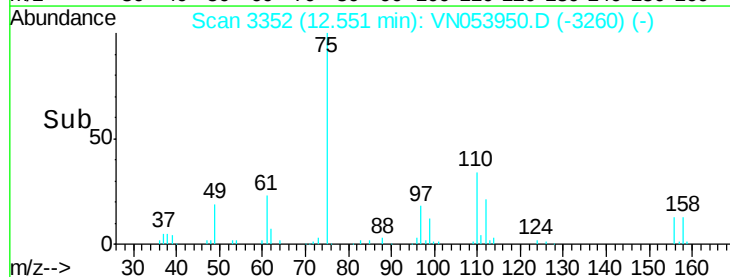
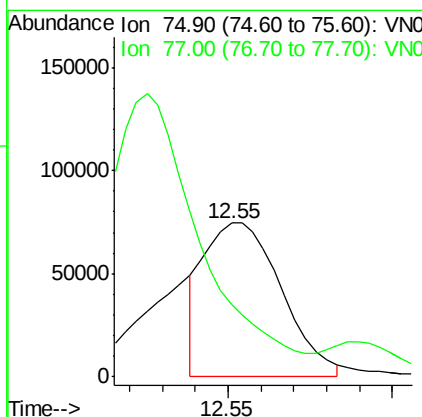
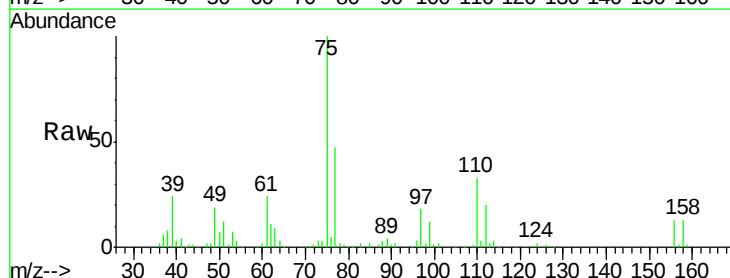
RT: 12.55 min Scan# 3352

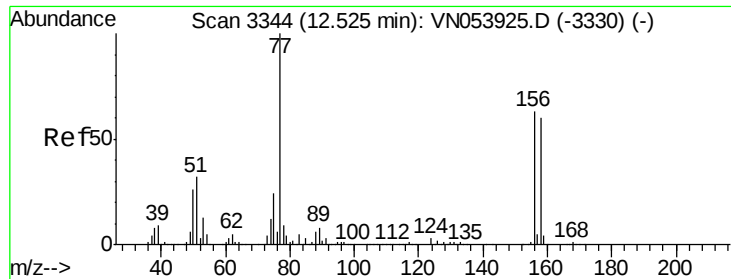
Delta R.T. -0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Tgt Ion:	75	Resp:	122581
Ion Ratio		Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.743 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

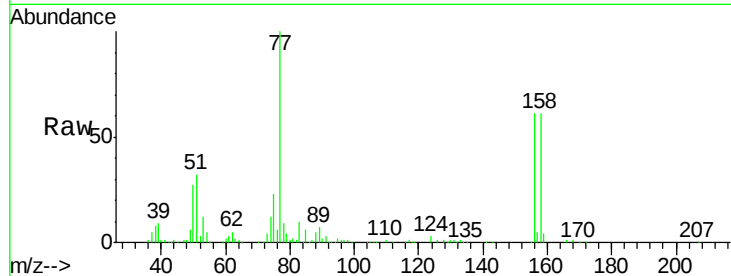
ClientSampleId :

VN0226WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	149306		
77	187.5	84.0	252.2	
158	98.3	48.5	145.6	

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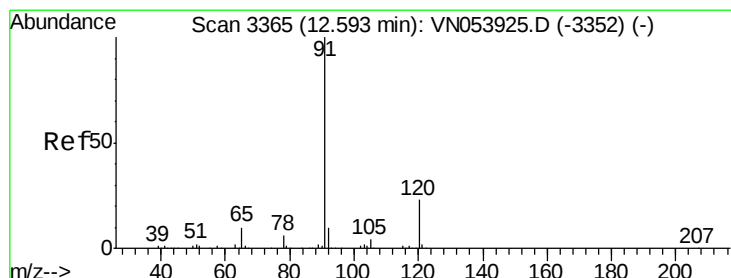
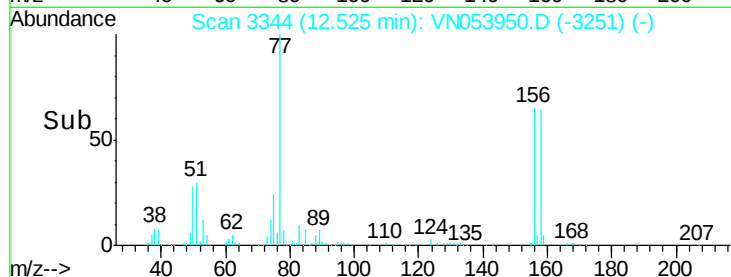
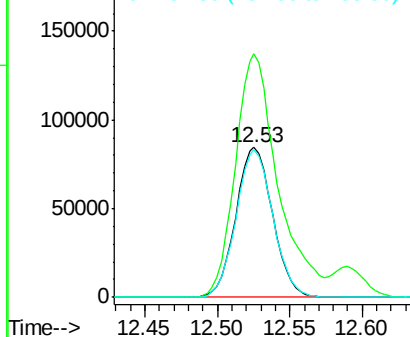
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.146 ug/l

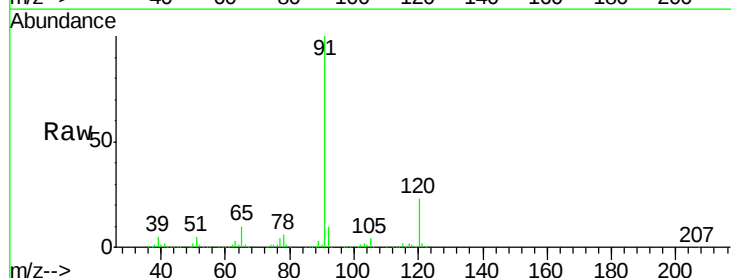
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053950.D

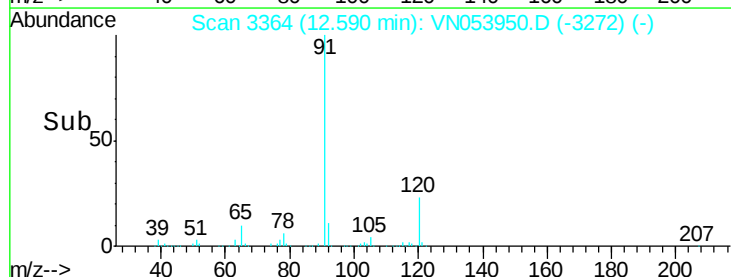
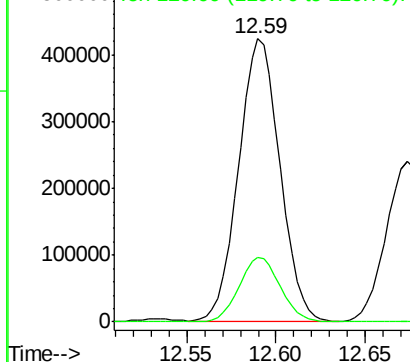
Acq: 26 Feb 2019 13:03

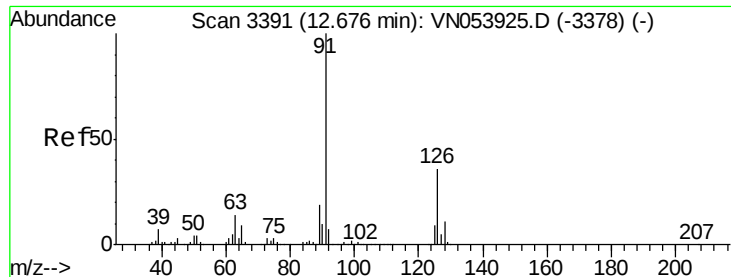
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	682458		
120	22.9	11.9	35.9	



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.151 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampled :

VN0226WBSD01

Tgt Ion: 91 Resp: 410055

Ion Ratio Lower Upper

91 100

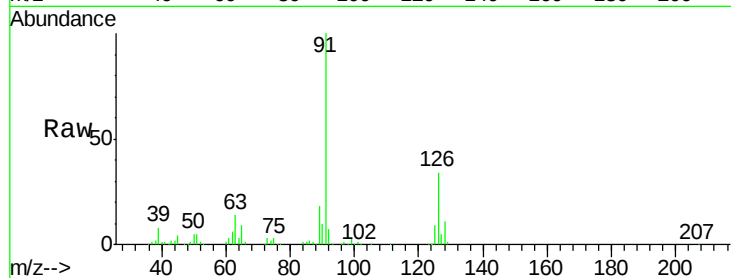
126 34.2 18.1 54.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN053925.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053925.D (-3378) (-)

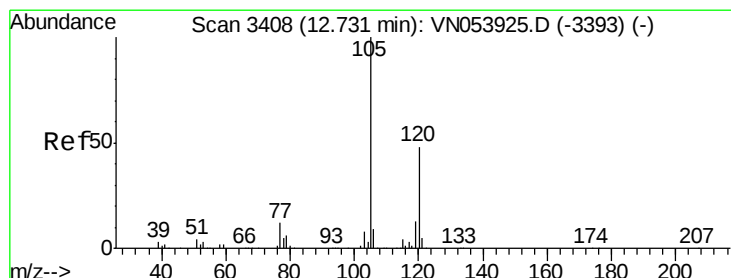
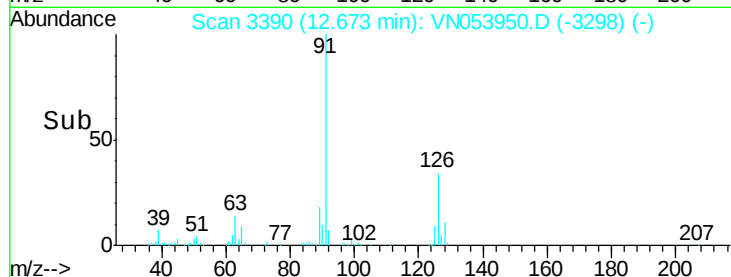
300000

200000

100000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 20.533 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053950.D

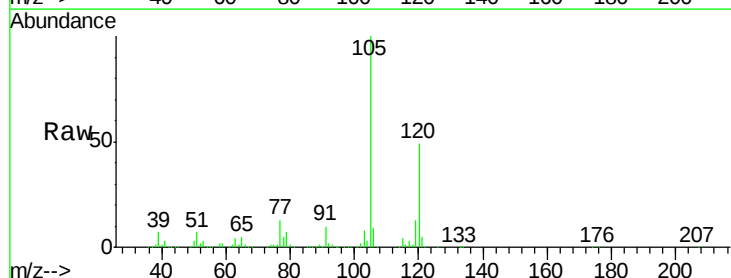
Acq: 26 Feb 2019 13:03

Tgt Ion: 105 Resp: 500701

Ion Ratio Lower Upper

105 100

120 48.8 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN053925.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053925.D (-3393) (-)

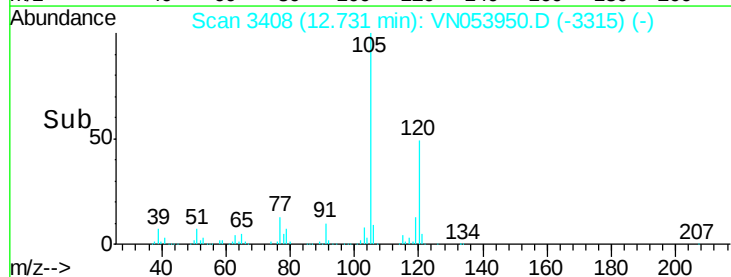
300000

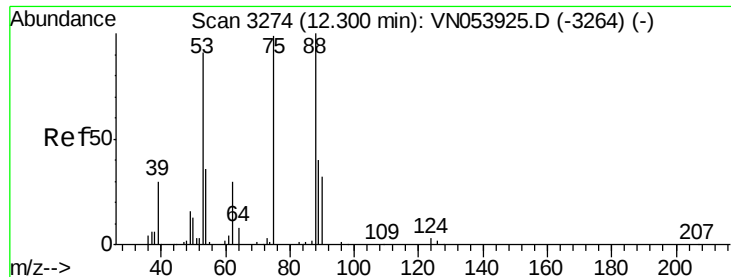
200000

100000

0

Time--> 12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 19.370 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

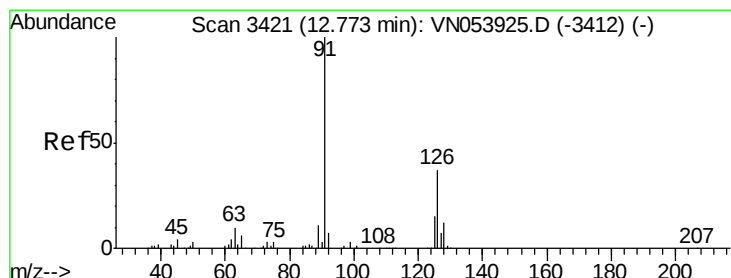
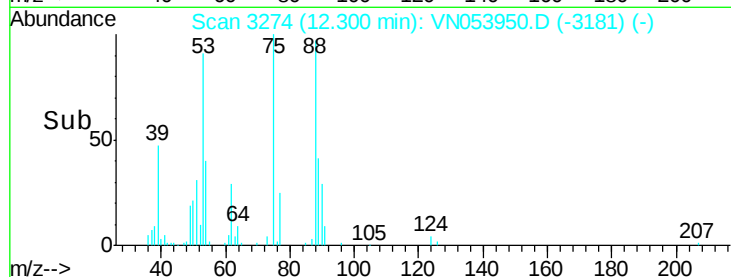
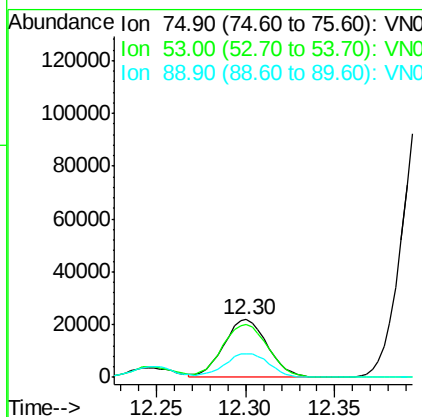
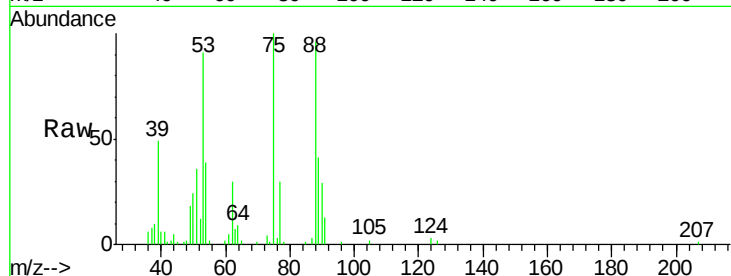
ClientSampleId :

VN0226WBSD01

Tgt Ion:	75	Resp:	37618
Ion	Ratio	Lower	Upper
75	100		
53	95.4	68.6	102.8
89	41.5	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.381 ug/l

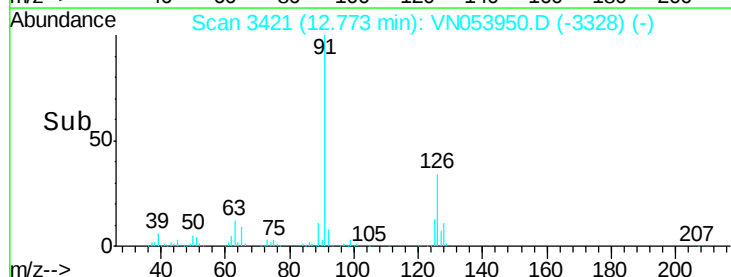
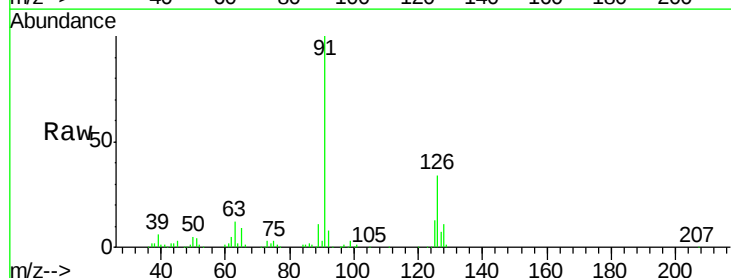
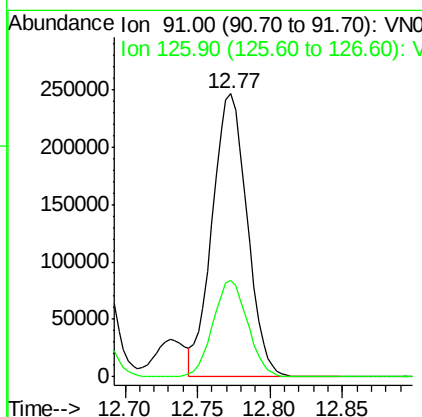
RT: 12.77 min Scan# 3421

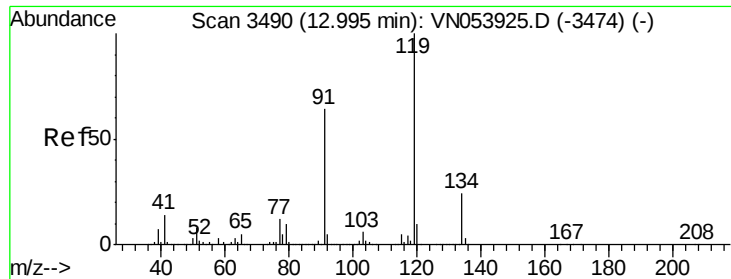
Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Tgt Ion:	91	Resp:	409896
Ion	Ratio	Lower	Upper
91	100		
126	33.9	18.0	54.0





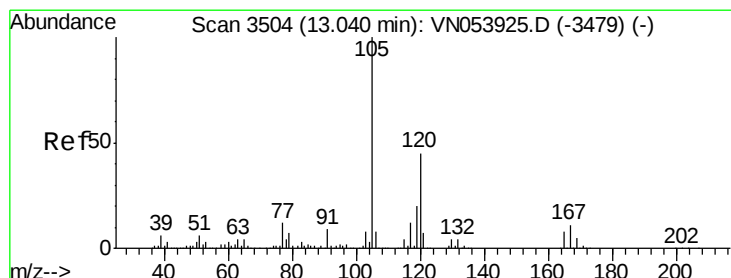
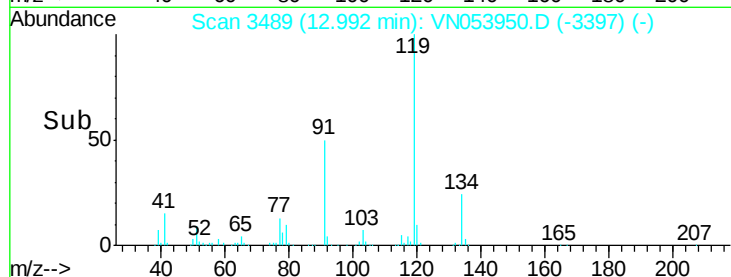
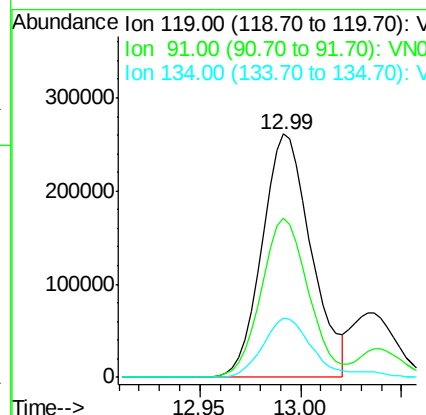
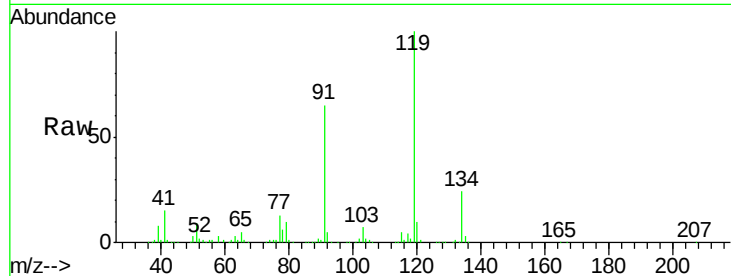
#83
 tert-Butylbenzene
 Concen: 20.458 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	441216		
91	63.1	30.6	91.8	
134	25.5	13.0	39.0	

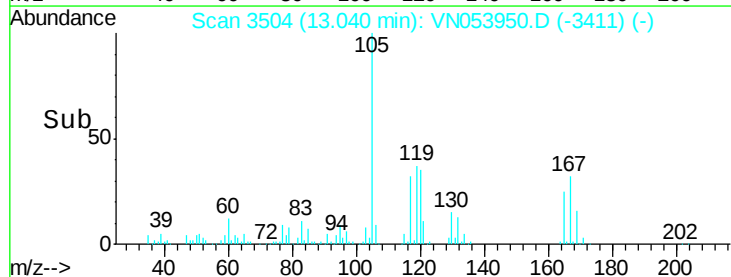
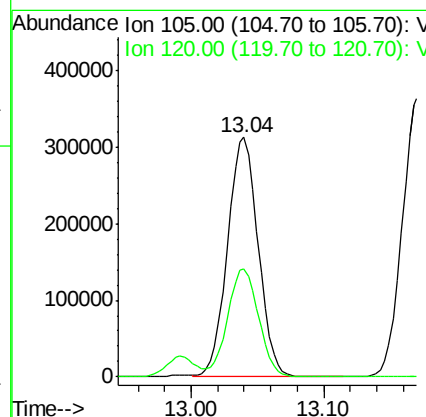
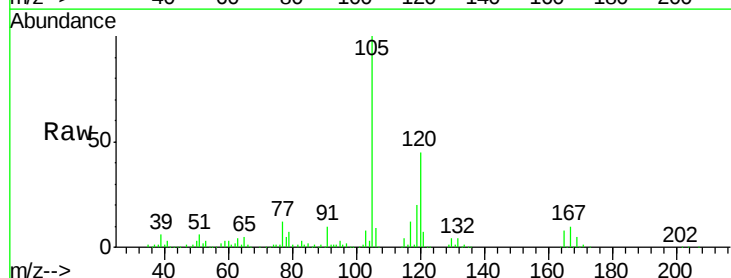
Manual Integrations
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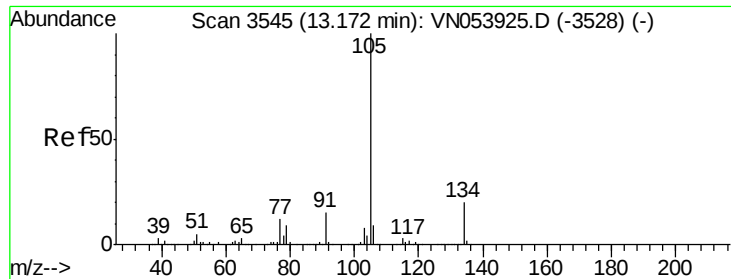
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.563 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	500602		
120	45.5	23.2	69.5	





#85

sec-Butylbenzene

Concen: 20.366 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tgt Ion:105 Resp: 599930

Ion Ratio Lower Upper

105 100

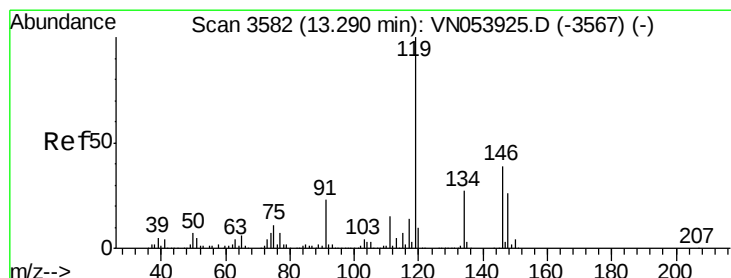
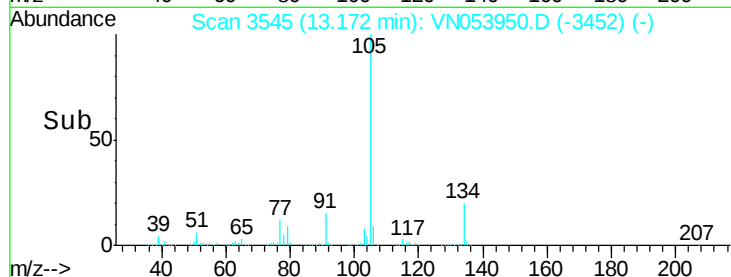
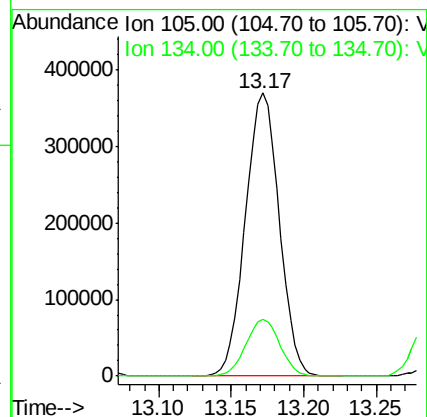
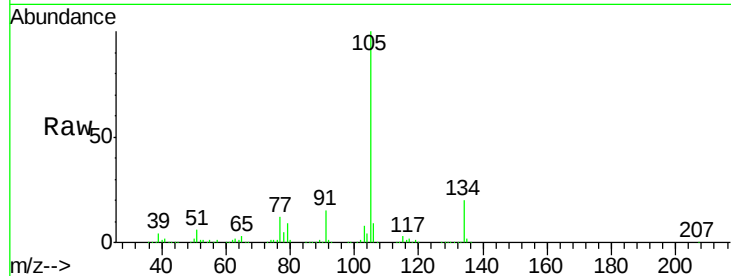
134 20.1 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.138 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

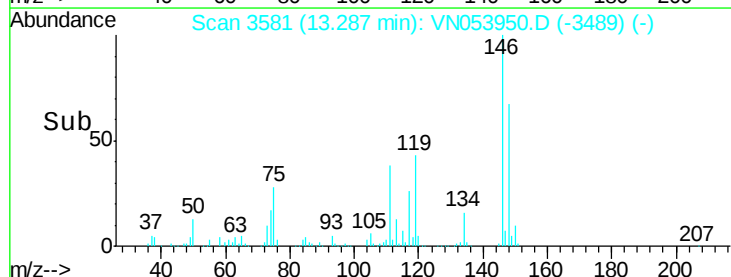
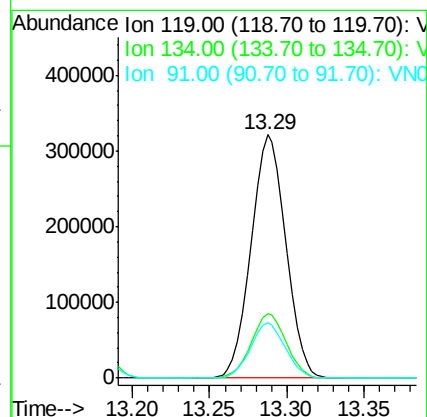
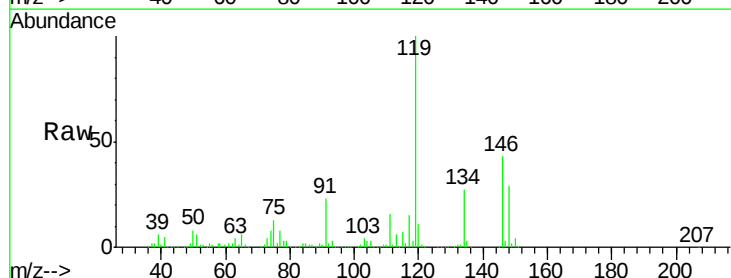
Tgt Ion:119 Resp: 501487

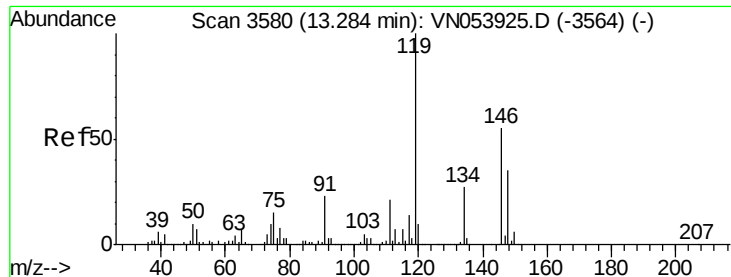
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.6 10.9 32.6





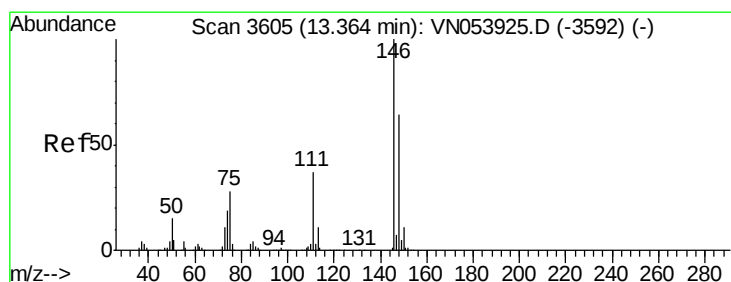
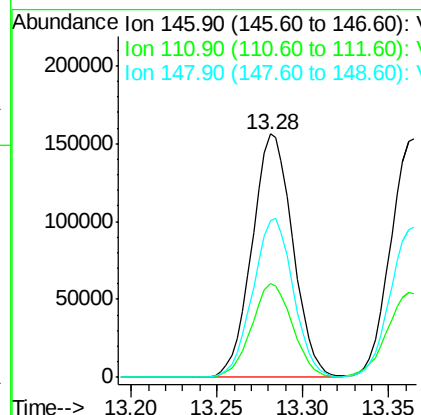
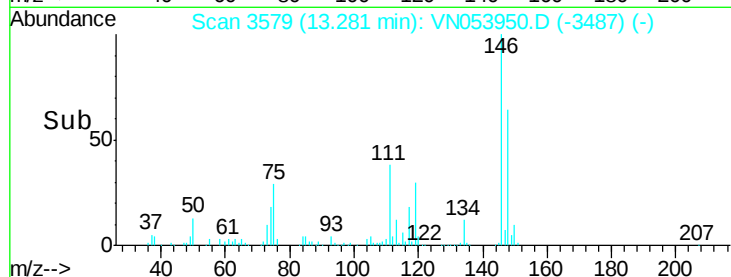
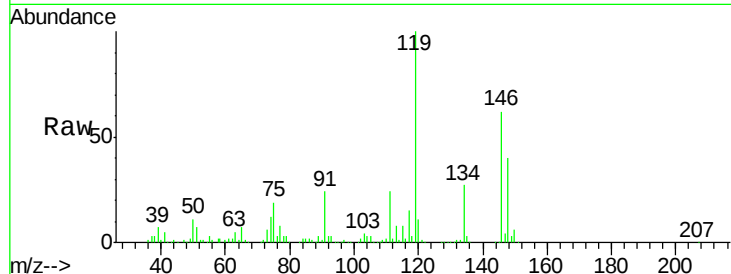
#87
 1,3-Dichlorobenzene
 Concen: 19.632 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.7	56.1
148	64.7	32.0	96.2

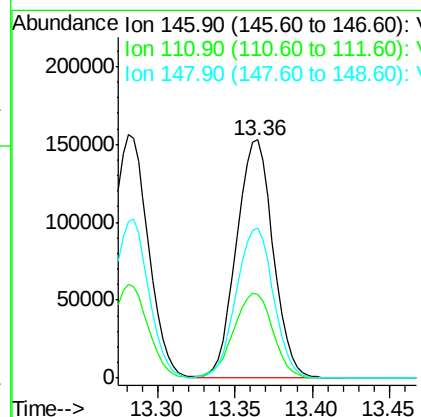
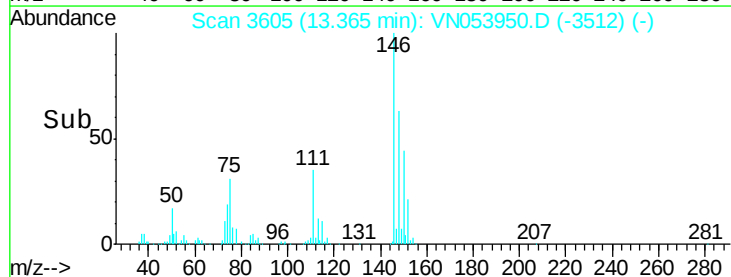
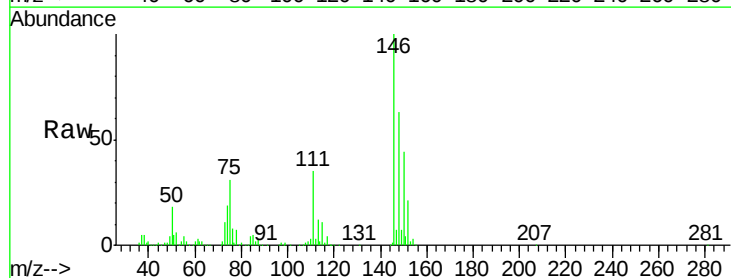
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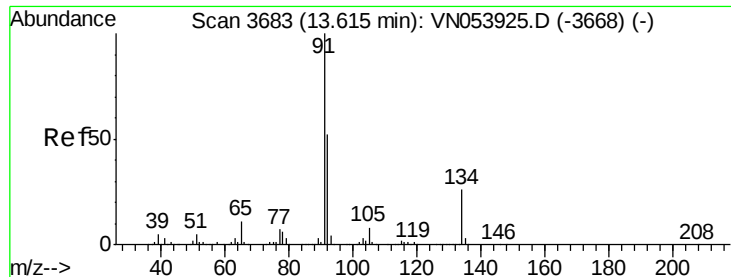
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#88
 1,4-Dichlorobenzene
 Concen: 19.864 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.0	54.0
148	64.1	32.1	96.5





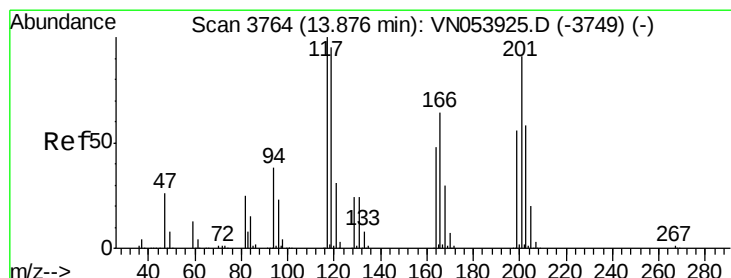
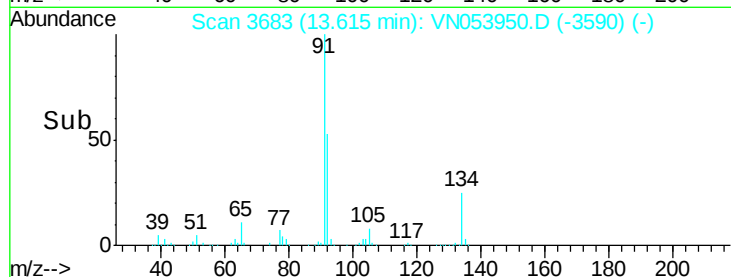
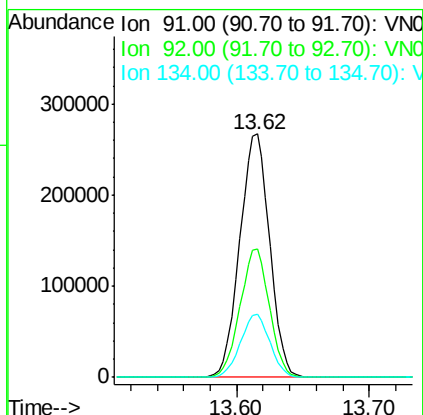
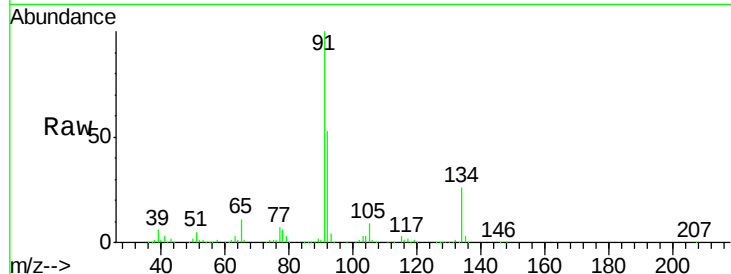
#89
n-Butylbenzene
Concen: 19.878 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampled :
VN0226WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.1	78.2
134	25.5	13.6	40.8

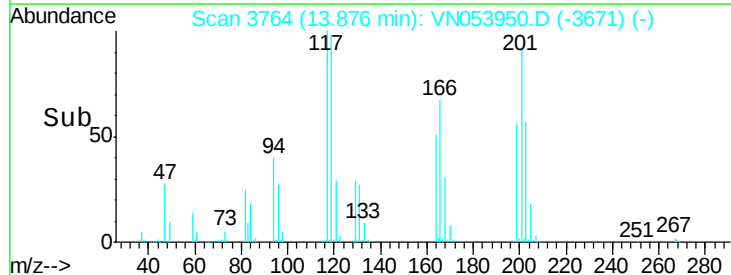
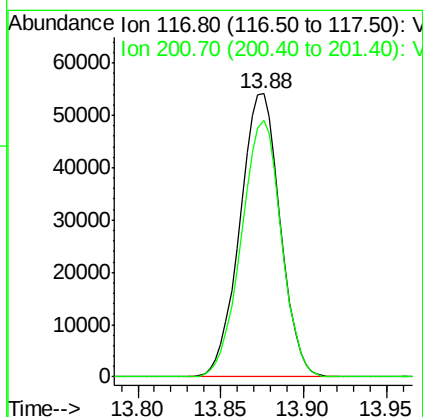
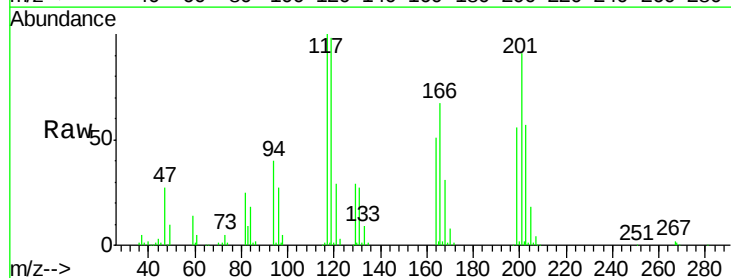
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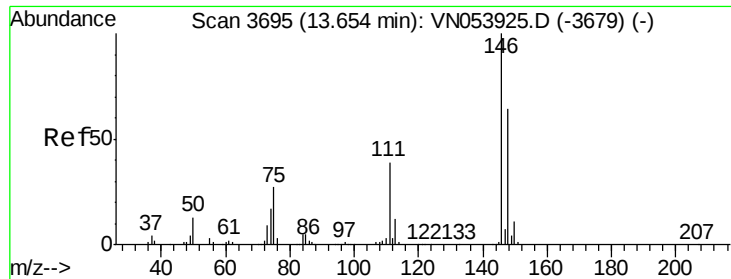
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#90
Hexachloroethane
Concen: 18.928 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.8	48.0	144.2





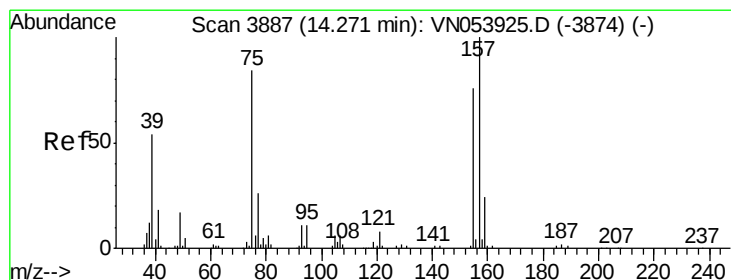
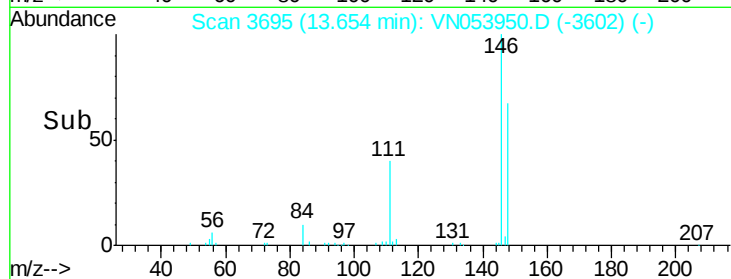
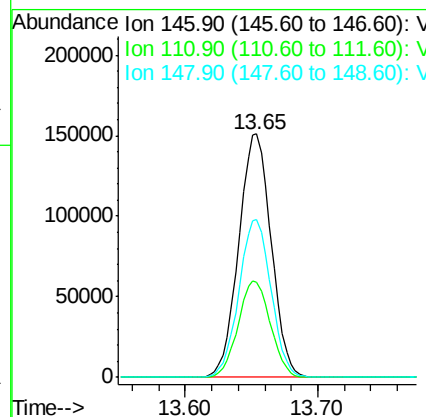
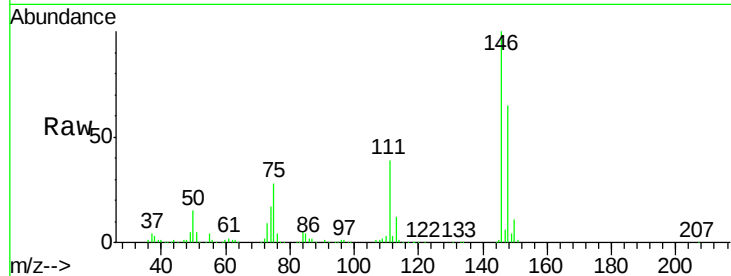
#91
 1,2-Dichlorobenzene
 Concen: 20.245 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	256376		
111	39.4	19.1	57.5	
148	64.2	32.1	96.5	

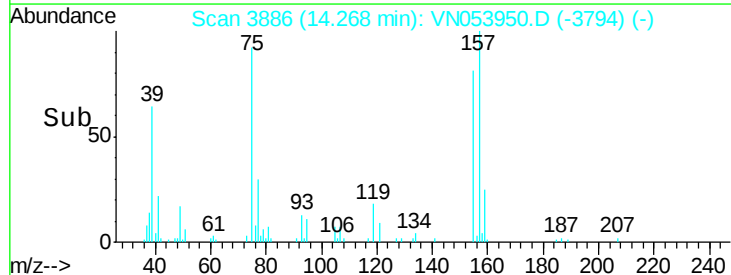
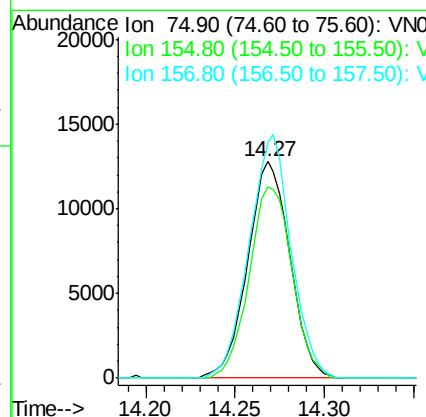
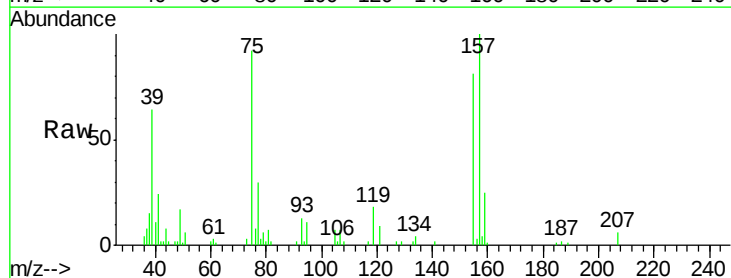
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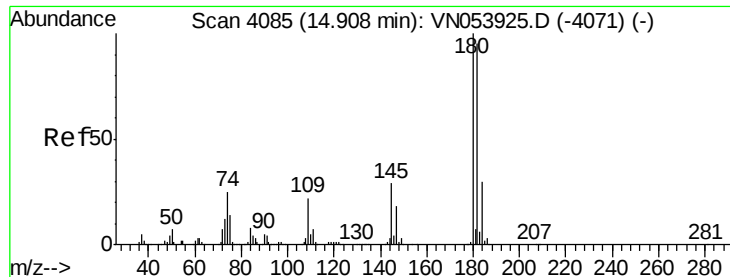
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 2/28/2019 10:49:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.082 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21139		
155	89.5	49.5	148.5	
157	111.6	64.8	194.6	





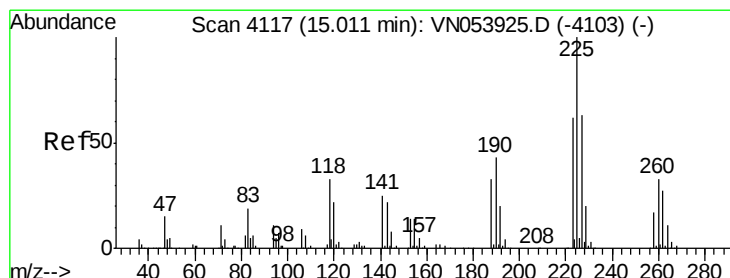
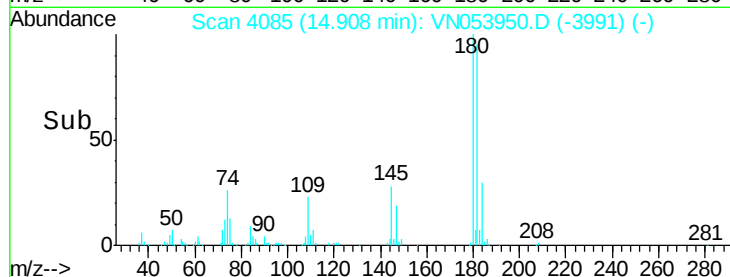
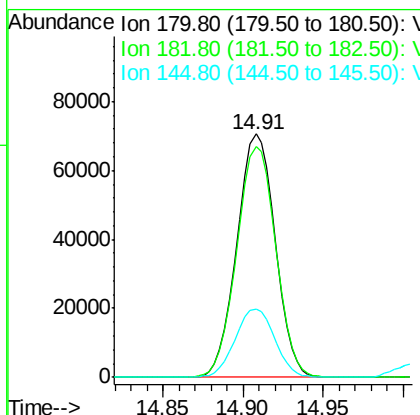
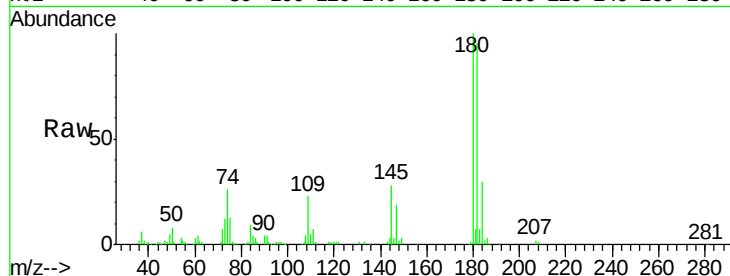
#93
 1,2,4-Trichlorobenzene
 Concen: 17.846 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	114996		
182	96.9	48.6	145.9	
145	29.1	13.8	41.3	

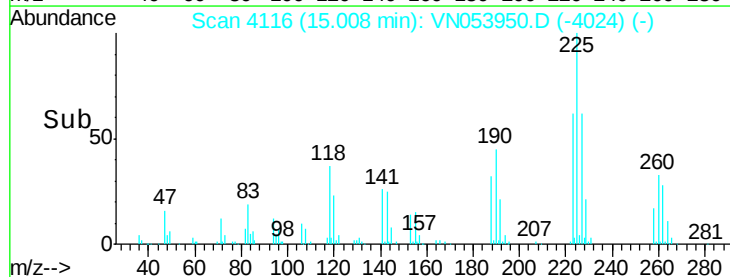
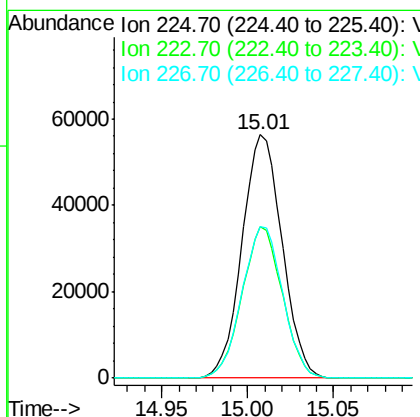
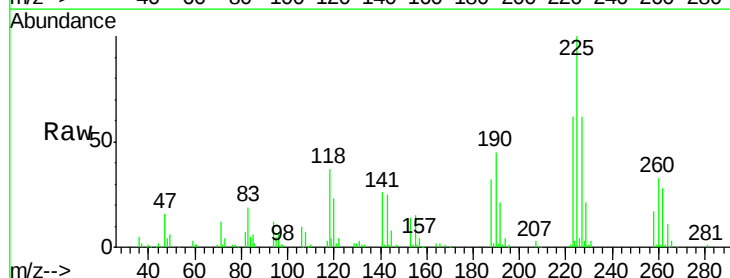
Manual Integrations
 APPROVED

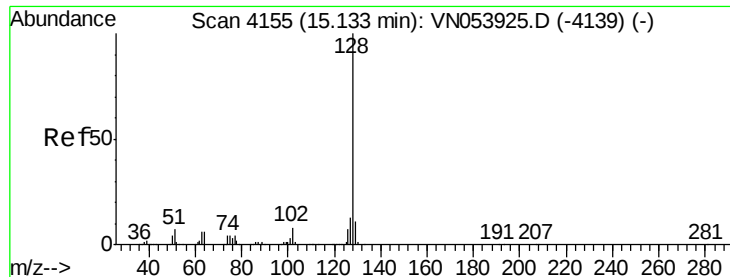
MMDadoda
 2/28/2019 10:49:57 AM



#94
 Hexachlorobutadiene
 Concen: 19.958 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91301		
223	62.2	30.9	92.5	
227	63.0	32.5	97.4	





#95

Naphthalene

Concen: 17.360 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

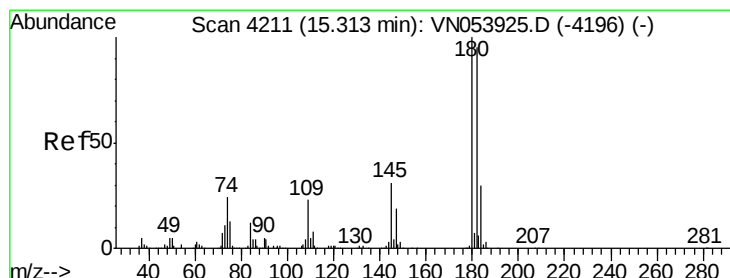
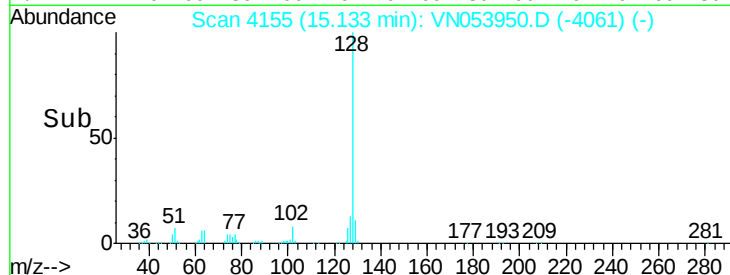
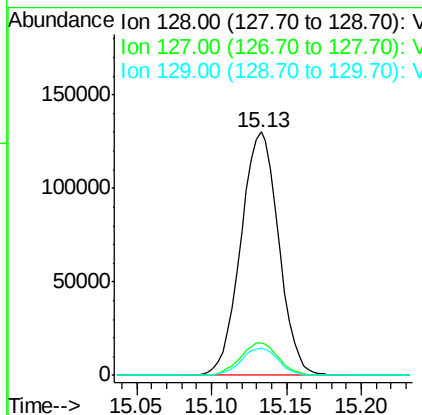
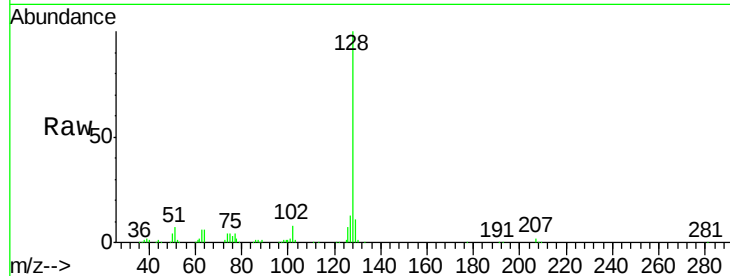
ClientSampleId :

VN0226WBSD01

Tgt Ion:	128	Resp:	229071
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.243 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Tgt Ion:	180	Resp:	116182
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.3	141.8
145	30.5	14.4	43.0

