

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056151.D
 Acq On : 8 Jun 2019 14:07
 Operator : JC/SP
 Sample : K3225-04MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MSD

Quant Time: Jun 10 01:26:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	266601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	405708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	364606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	158933	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	155010	58.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.12%	
35) Dibromofluoromethane	7.59	113	138980	55.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.66%	
50) Toluene-d8	10.09	98	494974	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.40	95	170016	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	132822	45.382	ug/l	98
3) Chloromethane	2.06	50	166837	57.730	ug/l	99
4) Vinyl Chloride	2.18	62	155098	53.502	ug/l	99
5) Bromomethane	2.54	94	93346	50.975	ug/l	100
6) Chloroethane	2.69	64	90184	53.656	ug/l	99
7) Trichlorofluoromethane	3.00	101	176371	47.658	ug/l	98
8) Diethyl Ether	3.40	74	81423	53.501	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	101007	44.931	ug/l	100
10) Methyl Iodide	3.94	142	178098	49.853	ug/l	98
11) Tert butyl alcohol	4.82	59	114231	247.974	ug/l	100
12) 1,1-Dichloroethene	3.72	96	115115	51.435	ug/l	99
13) Acrolein	3.60	56	34140	256.968	ug/l	97
14) Allyl chloride	4.31	41	177748	50.296	ug/l	96
15) Acrylonitrile	4.99	53	350801	312.833	ug/l	99
16) Acetone	3.82	43	277709	219.353	ug/l	99
17) Carbon Disulfide	4.04	76	246674	46.032	ug/l	99
18) Methyl Acetate	4.33	43	118989	47.822	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	405870	56.893	ug/l	99
20) Methylene Chloride	4.54	84	145735	55.873	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	126650	52.815	ug/l	97
22) Diisopropyl ether	5.96	45	410255	56.158	ug/l	95
23) Vinyl Acetate	5.90	43	1082908	188.234	ug/l	100
24) 1,1-Dichloroethane	5.84	63	236180	56.046	ug/l	99
25) 2-Butanone	6.84	43	440625	275.460	ug/l	99
26) 2,2-Dichloropropane	6.82	77	68335	20.781	ug/l	88
27) cis-1,2-Dichloroethene	6.83	96	157107	55.736	ug/l	93
28) Bromochloromethane	7.19	49	120239	60.336	ug/l	100
29) Tetrahydrofuran	7.22	42	295833	299.191	ug/l	99
30) Chloroform	7.37	83	237143	55.941	ug/l	100
31) Cyclohexane	7.65	56	179537	42.743	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	183655	51.880	ug/l	99
36) 1,1-Dichloropropene	7.79	75	161007	46.153	ug/l	100
37) Ethyl Acetate	6.93	43	132428	42.664	ug/l	98
38) Carbon Tetrachloride	7.77	117	147816	45.959	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	164733	37.907	ug/l	98
40) Benzene	8.04	78	548877	51.803	ug/l	99
41) Methacrylonitrile	7.22	41	261988	183.451	ug/l #	19
42) 1,2-Dichloroethane	8.12	62	178194	52.284	ug/l	99
43) Isopropyl Acetate	8.17	43	221280	43.994	ug/l #	92
44) Trichloroethene	8.83	130	147973	48.602	ug/l	99
45) 1,2-Dichloropropane	9.12	63	147329	54.286	ug/l	100
46) Dibromomethane	9.21	93	97904	55.166	ug/l	99
47) Bromodichloromethane	9.40	83	171065	53.183	ug/l	99
48) Methyl methacrylate	9.20	41	140726	57.189	ug/l	98
49) 1,4-Dioxane	9.20	88	54567	1027.154	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	905473	287.871	ug/l	100
52) Toluene	10.16	92	331774	50.321	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	153990	41.274	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	181772	47.015	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	144679	55.398	ug/l	98
56) Ethyl methacrylate	10.43	69	214494	56.296	ug/l	99
57) 1,3-Dichloropropane	10.71	76	232298	54.715	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.74	63	1093	15.555	ug/l #	46
59) 2-Hexanone	10.75	43	627651	275.319	ug/l	100
60) Dibromochloromethane	10.90	129	139593	48.539	ug/l	100
61) 1,2-Dibromoethane	11.01	107	150018	56.189	ug/l	99
64) Tetrachloroethene	10.63	164	132134	41.867	ug/l	98
65) Chlorobenzene	11.43	112	356826	49.174	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	132417	52.850	ug/l	99
67) Ethyl Benzene	11.51	91	598683	47.448	ug/l	99
68) m/p-Xylenes	11.62	106	458631	95.150	ug/l	98
69) o-Xylene	11.95	106	232617	49.061	ug/l	99
70) Styrene	11.96	104	389429	51.694	ug/l	99
71) Bromoform	12.13	173	99237	47.331	ug/l #	100
73) Isopropylbenzene	12.25	105	582158	51.458	ug/l	100
74) N-amyl acetate	12.07	43	156090	36.843	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	201950	54.736	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	215660	73.744	ug/l #	100
77) Bromobenzene	12.53	156	171319	50.348	ug/l	95
78) n-propylbenzene	12.59	91	609171	45.306	ug/l	100
79) 2-Chlorotoluene	12.67	91	387819	52.099	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	482452	45.148	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	33901	38.605	ug/l	88
82) 4-Chlorotoluene	12.77	91	369493	46.972	ug/l	99
83) tert-Butylbenzene	12.99	119	421936	50.941	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	475613	46.934	ug/l	99
85) sec-Butylbenzene	13.17	105	528258	44.364	ug/l	100
86) p-Isopropyltoluene	13.29	119	474773	44.552	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	260282	49.423	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	249203	49.191	ug/l	100
89) n-Butylbenzene	13.61	91	335010	42.437	ug/l	99
90) Hexachloroethane	13.88	117	74050	46.076	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	270175	50.813	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29066	55.079	ug/l	93

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QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

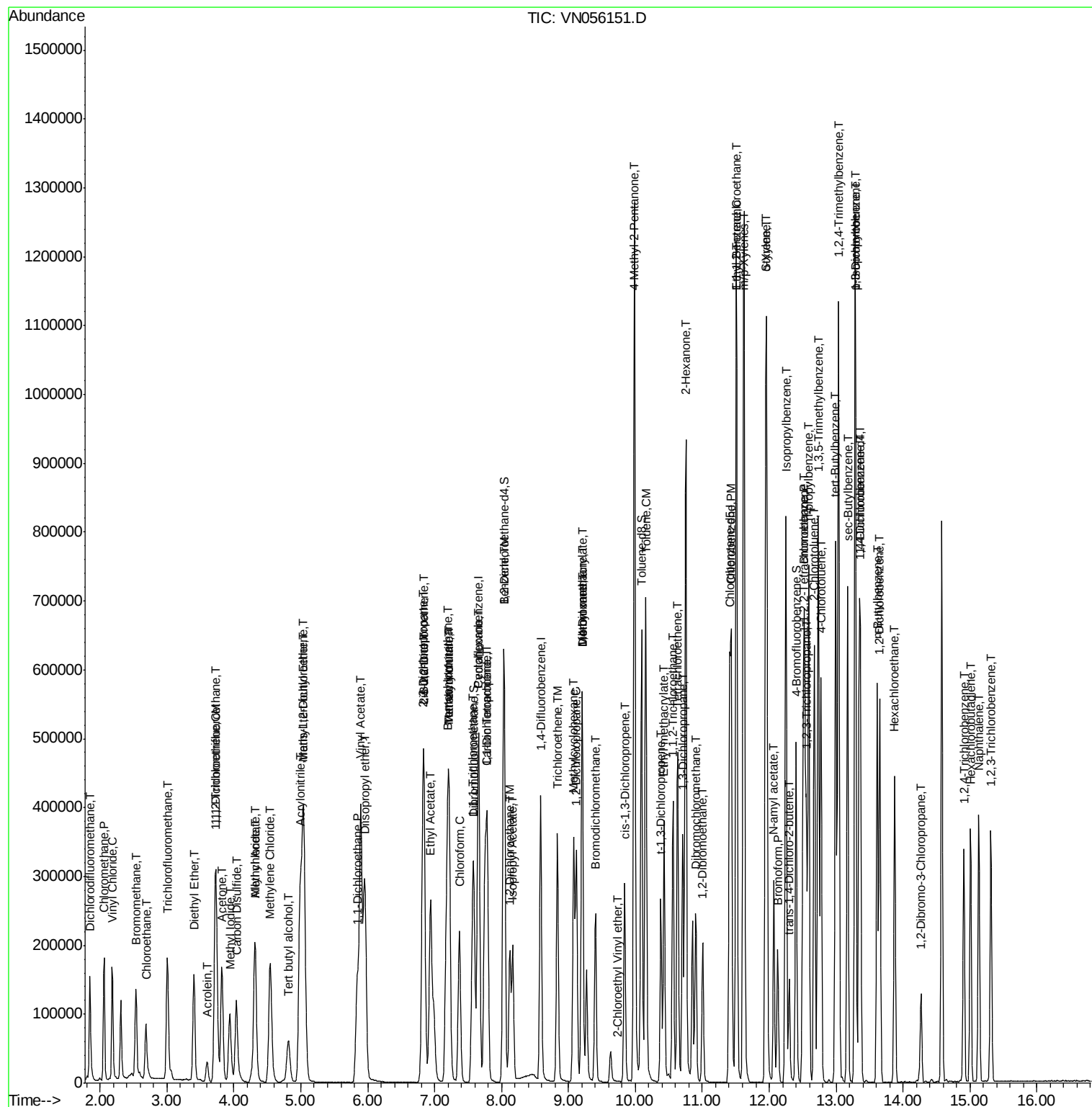
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	121754	42.275	ug/l	99
94) Hexachlorobutadiene	15.01	225	82894	45.258	ug/l	98
95) Naphthalene	15.13	128	358783	47.413	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	140404	47.201	ug/l	99

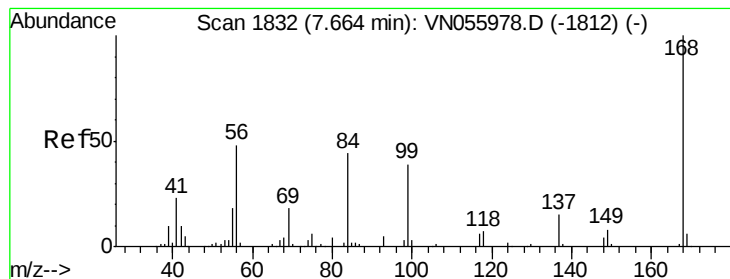
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

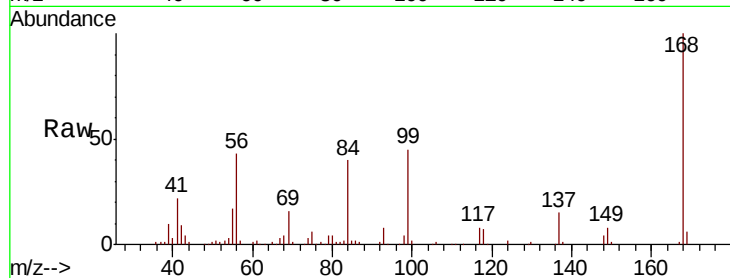
SP19-MMW-3414MSD

Tot Ion:168 Resp: 266601

Ion Ratio Lower Upper

168 100

99 44.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

120000

100000

80000

60000

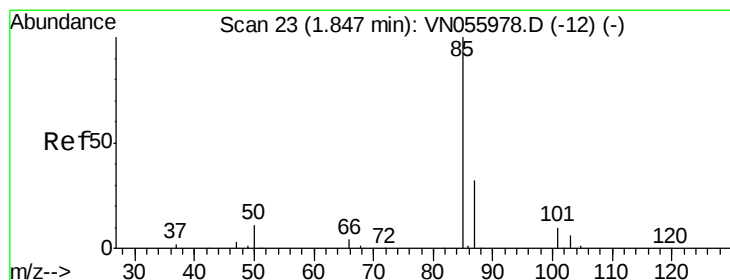
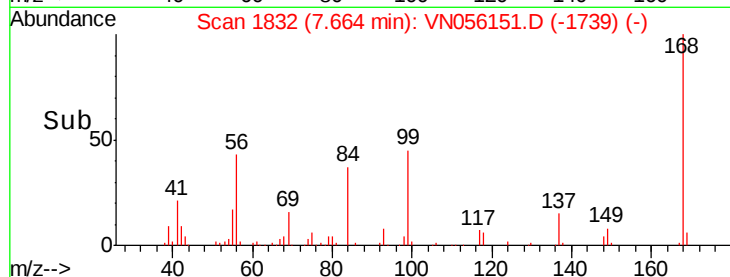
40000

20000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.382 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056151.D

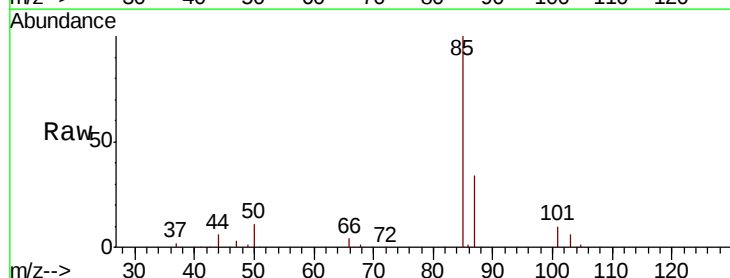
Acq: 8 Jun 2019 14:07

Tgt Ion: 85 Resp: 132822

Ion Ratio Lower Upper

85 100

87 33.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

60000

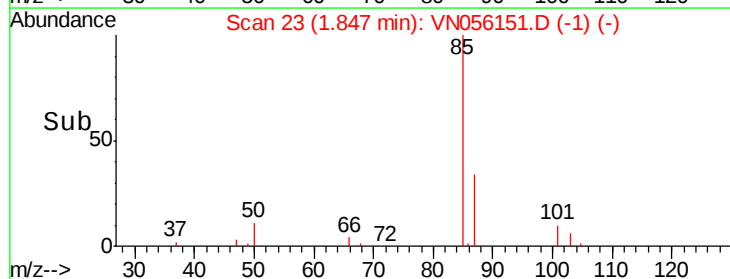
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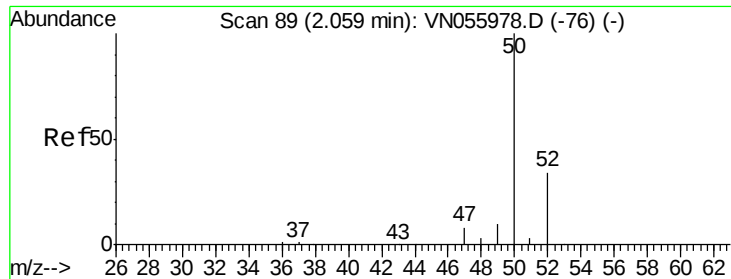
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 57.730 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

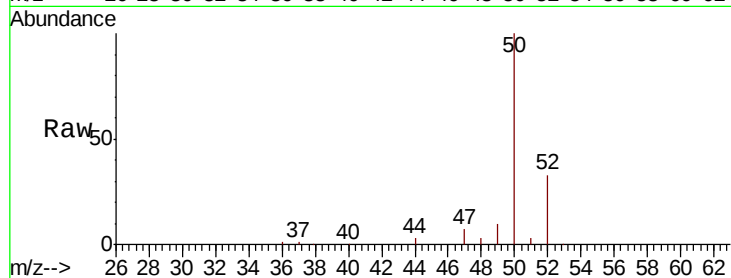
SP19-MMW-3414MSD

Tot Ion: 50 Resp: 166837

Ion Ratio Lower Upper

50 100

52 32.8 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

120000

100000

80000

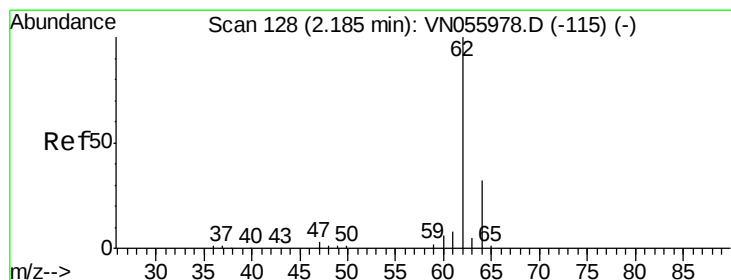
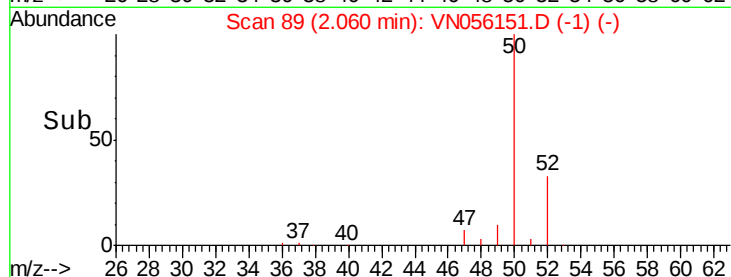
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 53.502 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056151.D

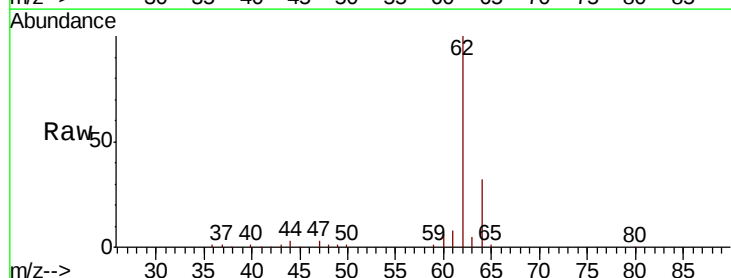
Acq: 8 Jun 2019 14:07

Tgt Ion: 62 Resp: 155098

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

120000

100000

80000

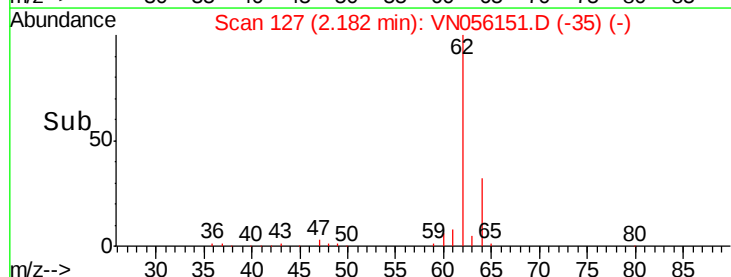
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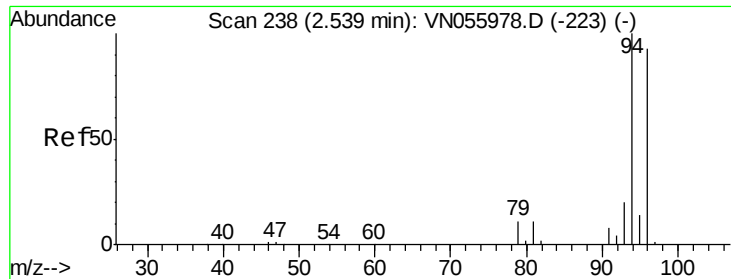
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20000

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Time-->

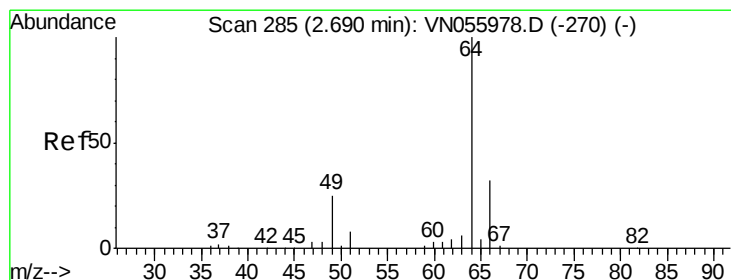
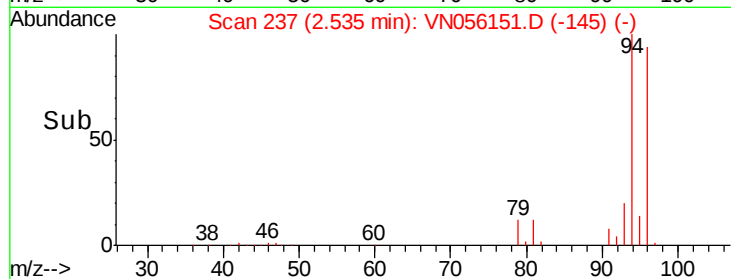
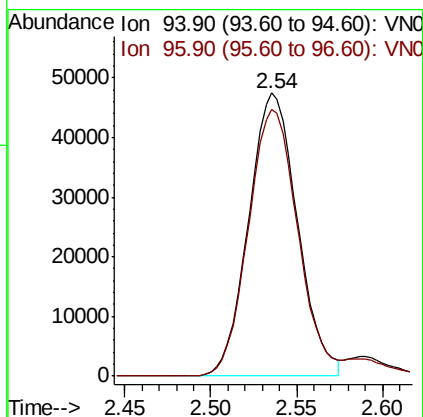
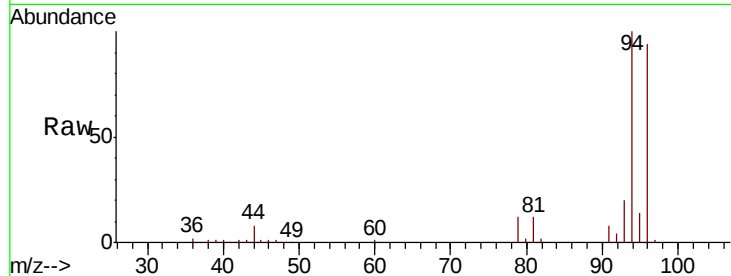




#5
Bromomethane
Concen: 50.975 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.00 min
Lab File: VN056151.D
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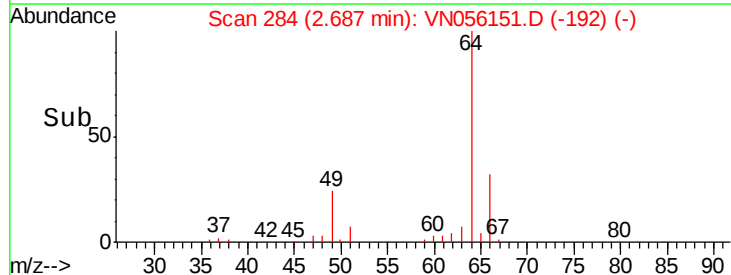
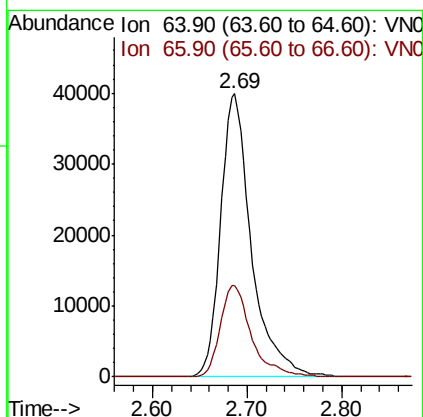
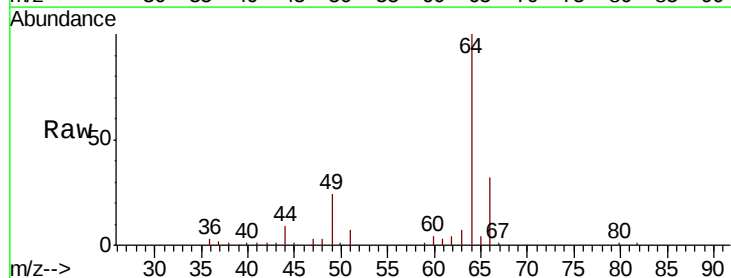
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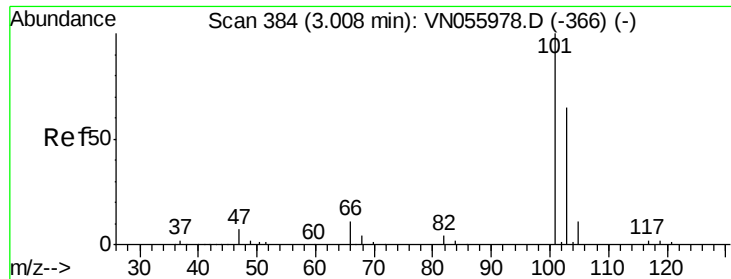
Tot Ion: 94 Resp: 93346
Ion Ratio Lower Upper
94 100
96 94.4 75.5 113.3



#6
Chloroethane
Concen: 53.656 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion: 64 Resp: 90184
Ion Ratio Lower Upper
64 100
66 32.4 25.4 38.0



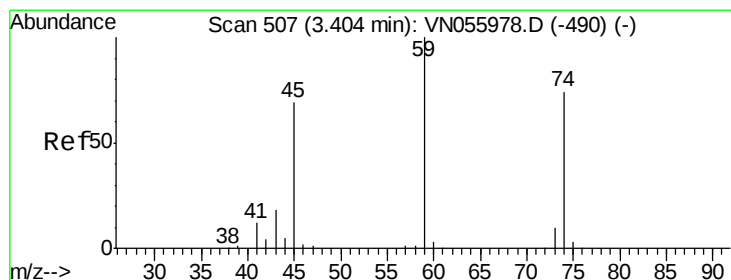
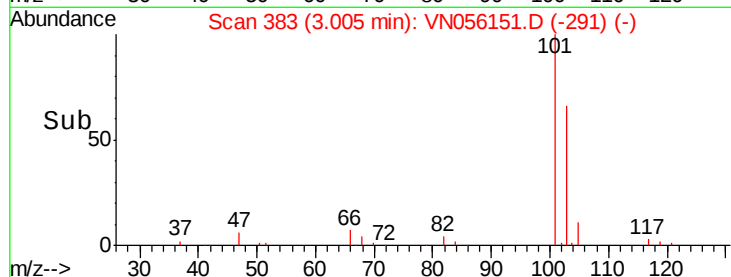
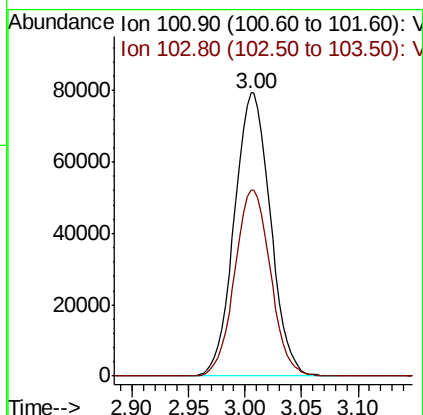
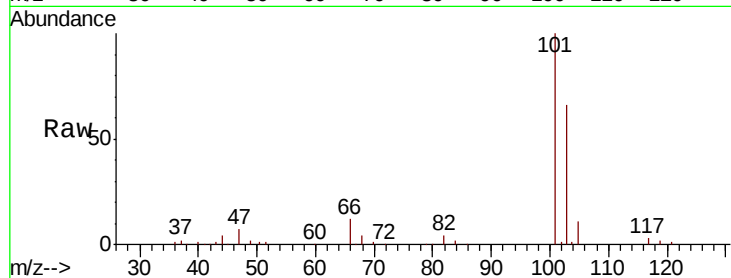


#7

Trichlorofluoromethane
Concen: 47.658 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

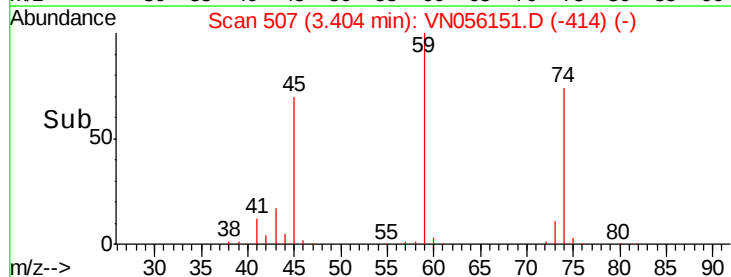
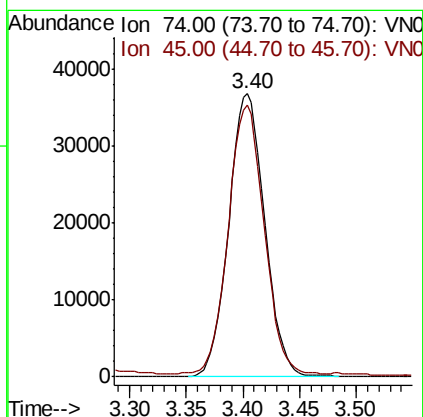
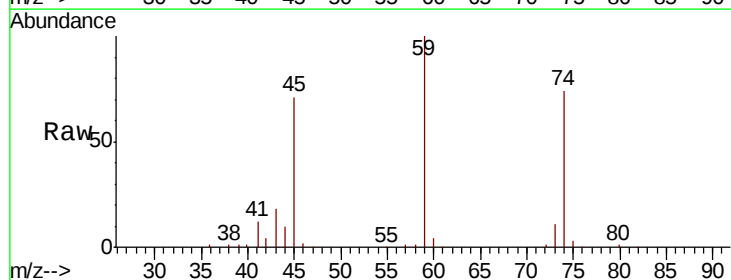
Tot Ion:101 Resp: 176371
Ion Ratio Lower Upper
101 100
103 65.8 51.2 76.8

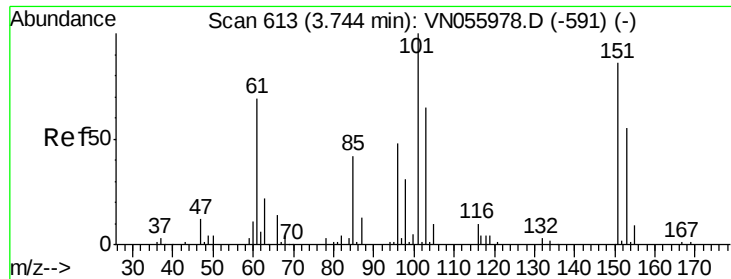


#8

Diethyl Ether
Concen: 53.501 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion: 74 Resp: 81423
Ion Ratio Lower Upper
74 100
45 94.8 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.931 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

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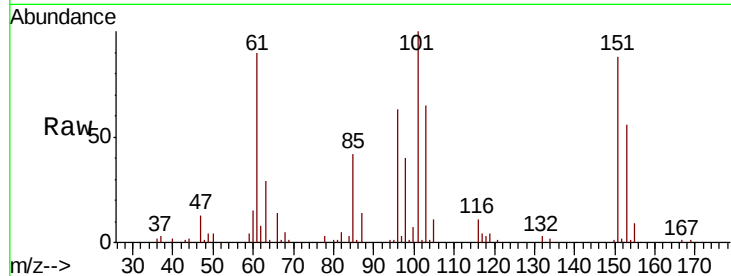
Tot Ion:101 Resp: 101007

Ion Ratio Lower Upper

101 100

85 41.9 33.4 50.2

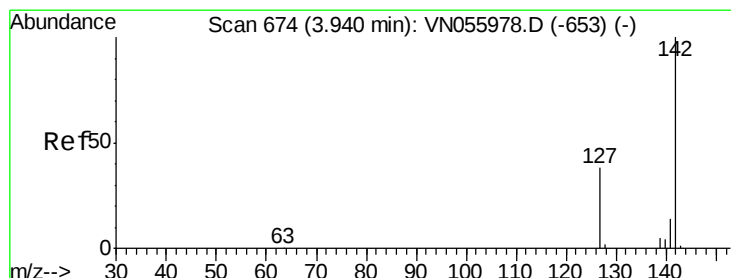
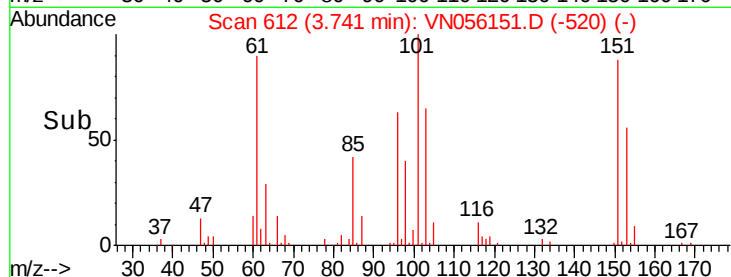
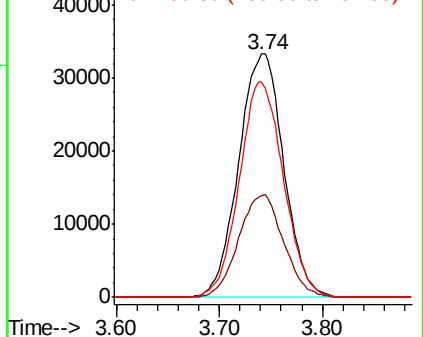
151 86.7 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.853 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

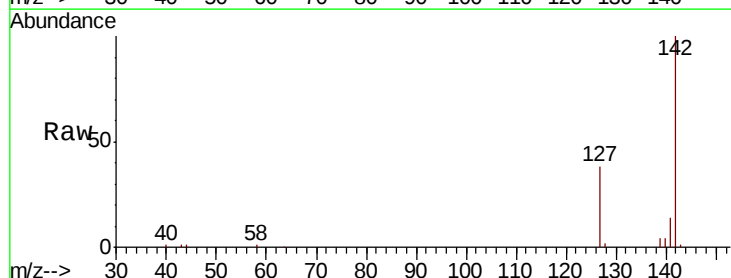
Tgt Ion:142 Resp: 178098

Ion Ratio Lower Upper

142 100

127 37.6 31.0 46.4

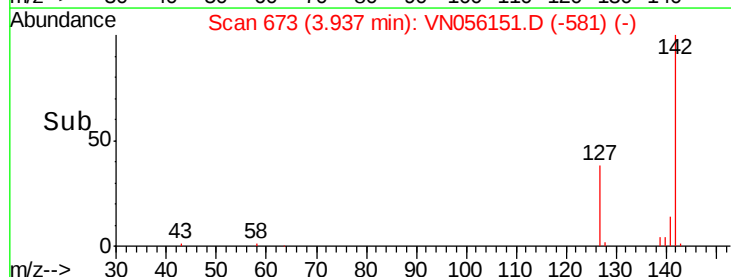
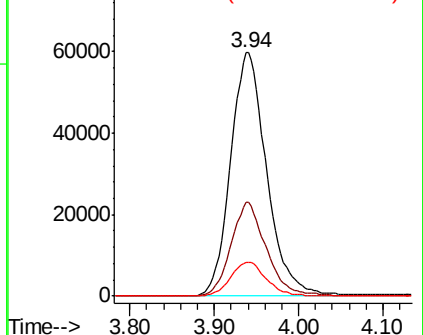
141 13.9 11.4 17.0

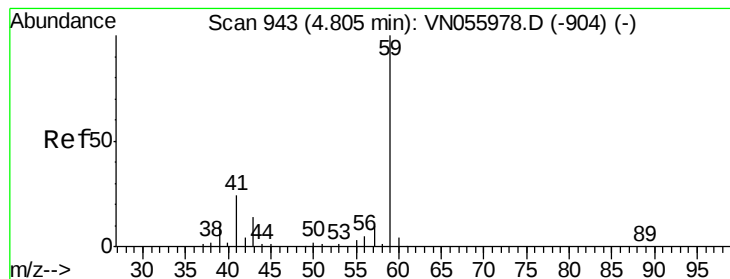


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



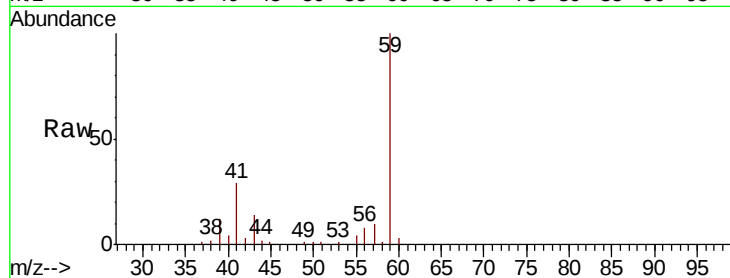


#11

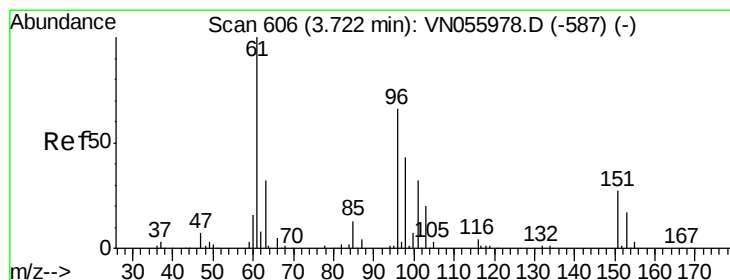
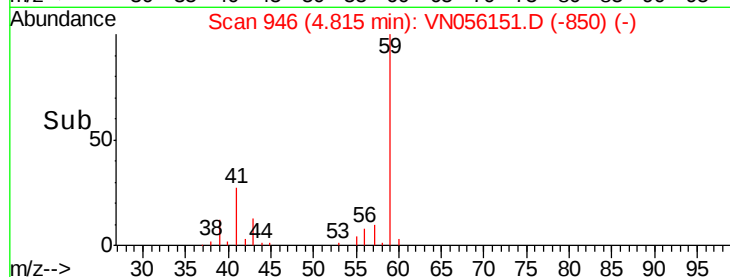
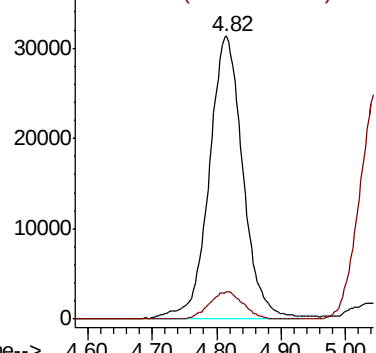
Tert butyl alcohol
 Concen: 247.974 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MSD

Tot Ion: 59 Resp: 114231
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.8 11.6



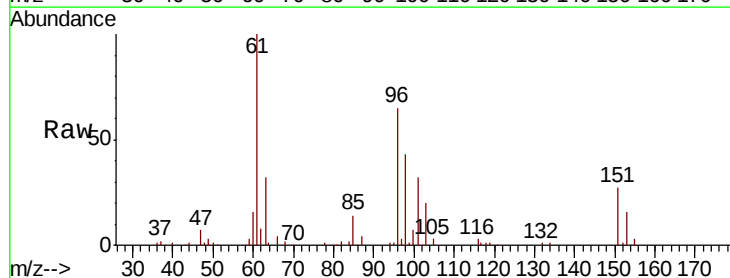
Abundance Ion 59.00 (58.70 to 59.70): VNO
 Ion 57.00 (56.70 to 57.70): VNO



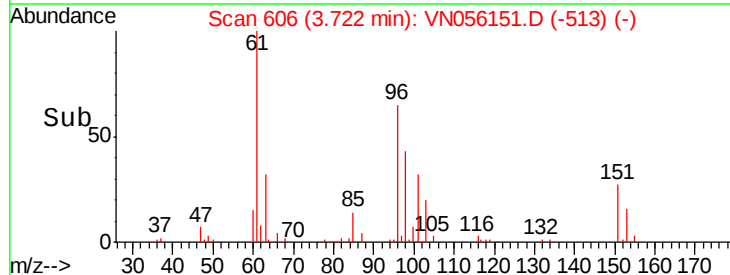
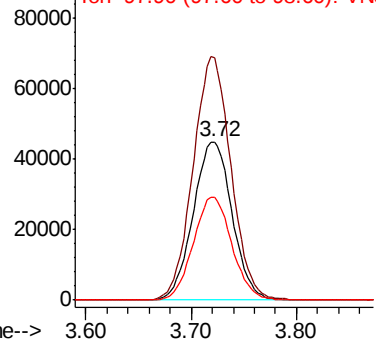
#12

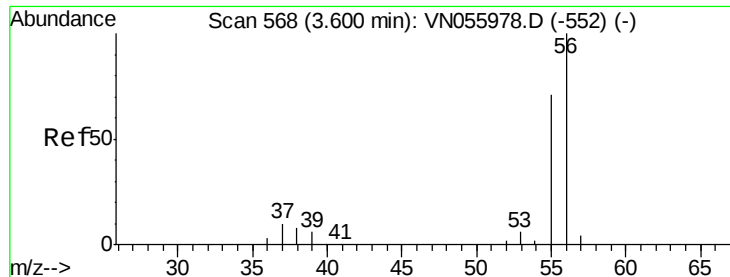
1,1-Dichloroethene
 Concen: 51.435 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Tgt Ion: 96 Resp: 115115
 Ion Ratio Lower Upper
 96 100
 61 153.1 123.2 184.8
 98 65.2 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VNO
 Ion 60.90 (60.60 to 61.60): VNO
 Ion 97.90 (97.60 to 98.60): VNO





#13

Acrolein

Concen: 256.968 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

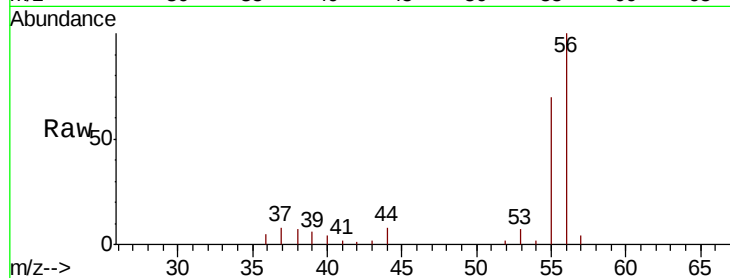
SP19-MMW-3414MSD

Tot Ion: 56 Resp: 34140

Ion Ratio Lower Upper

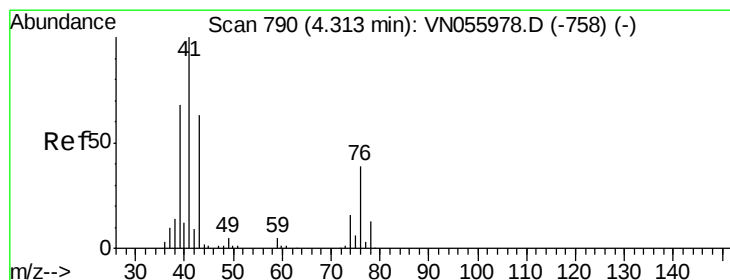
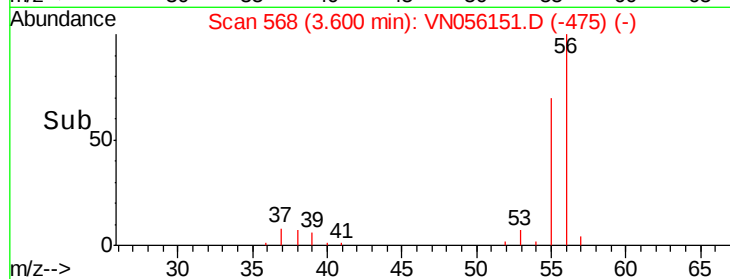
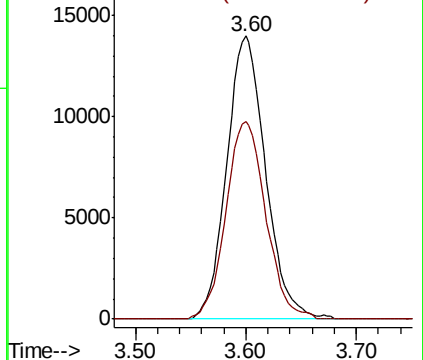
56 100

55 71.4 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.296 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

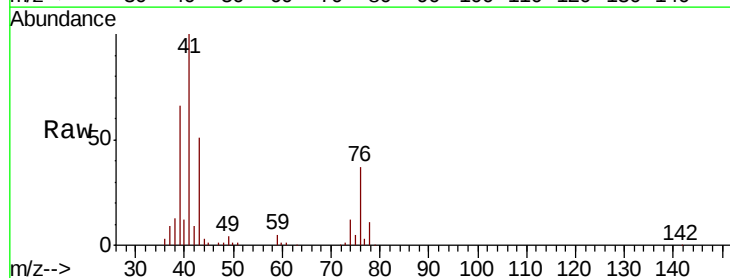
Tgt Ion: 41 Resp: 177748

Ion Ratio Lower Upper

41 100

39 59.4 50.0 75.0

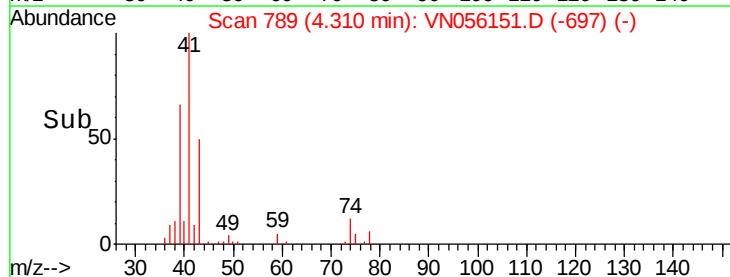
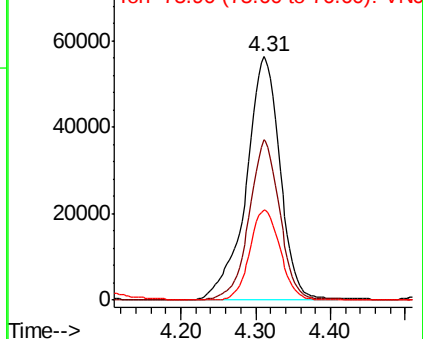
76 33.2 28.2 42.2

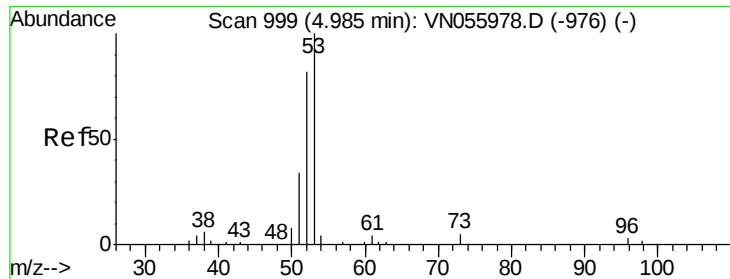


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 312.833 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

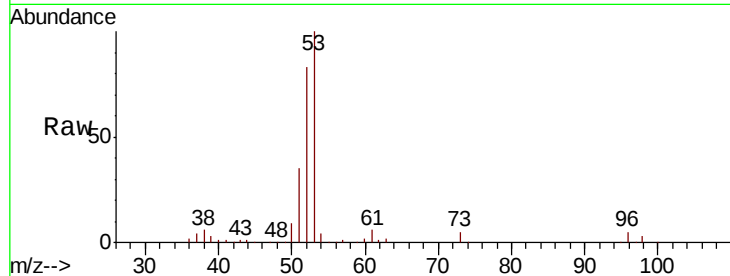
Tot Ion: 53 Resp: 350801

Ion Ratio Lower Upper

53 100

52 81.3 65.8 98.8

51 35.0 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN055978.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN055978.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN055978.D (-976) (-)

4.99

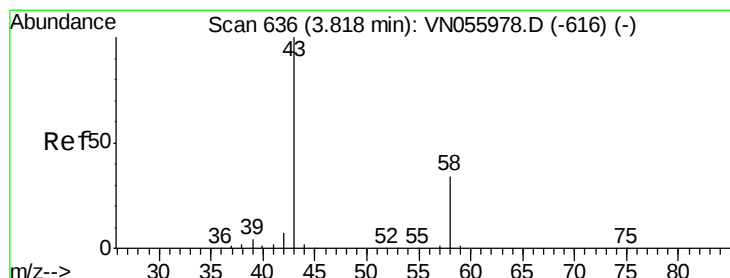
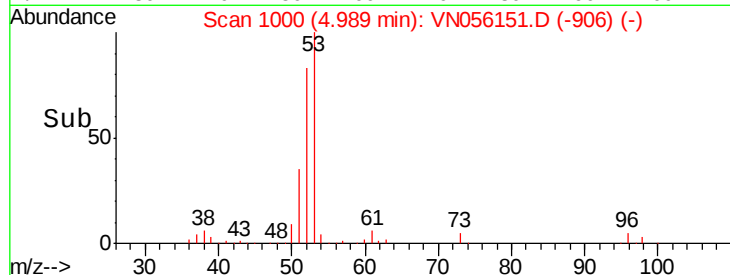
100000

50000

0

4.90 5.00 5.10 5.20

Time-->



#16

Acetone

Concen: 219.353 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056151.D

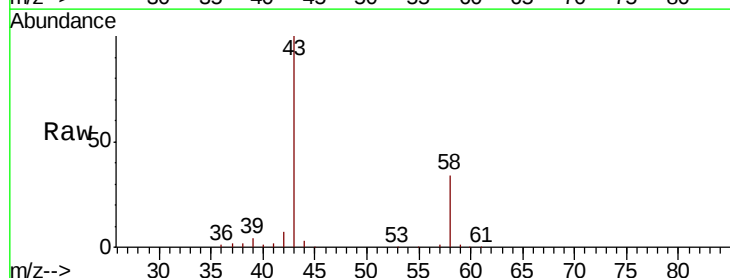
Acq: 8 Jun 2019 14:07

Tgt Ion: 43 Resp: 277709

Ion Ratio Lower Upper

43 100

58 33.7 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-616) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-616) (-)

3.82

120000

100000

80000

60000

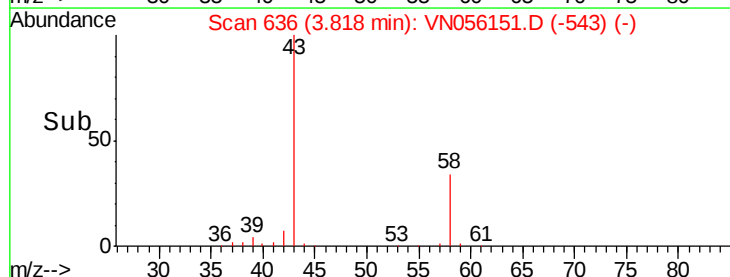
40000

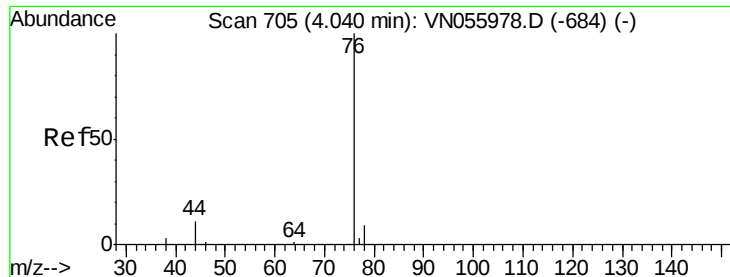
20000

0

3.70 3.80 3.90

Time-->

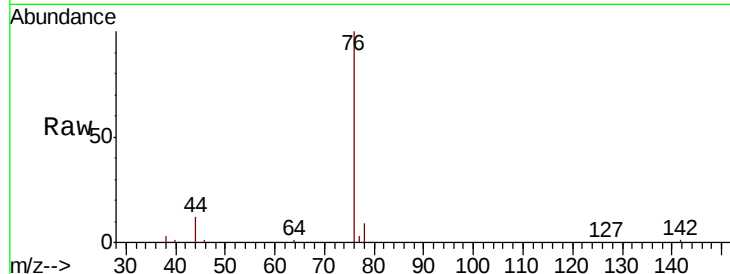




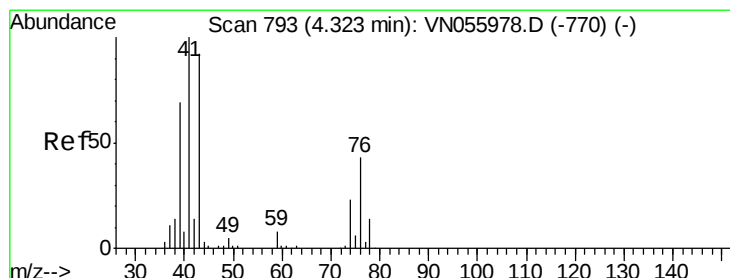
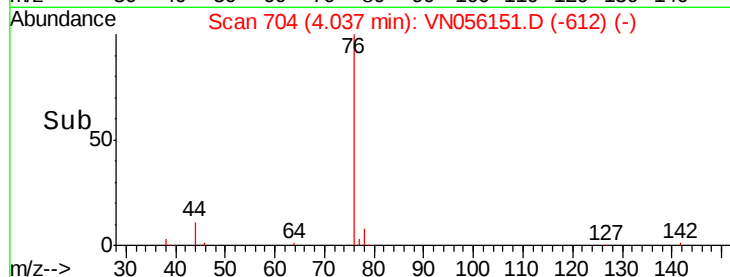
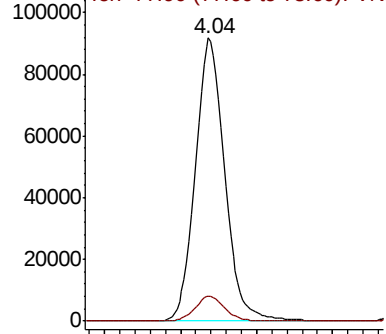
#17
Carbon Disulfide
Concen: 46.032 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion: 76 Resp: 246674
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2

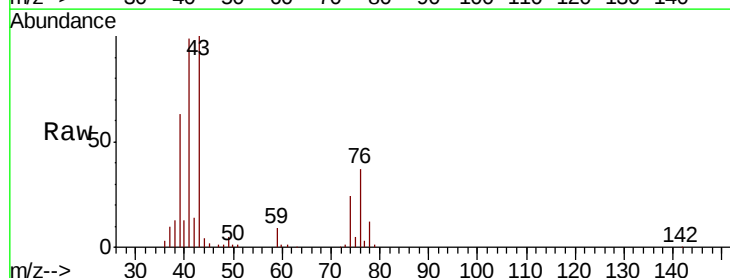


Abundance Ion 75.90 (75.60 to 76.60): VNC
Ion 77.90 (77.60 to 78.60): VNC

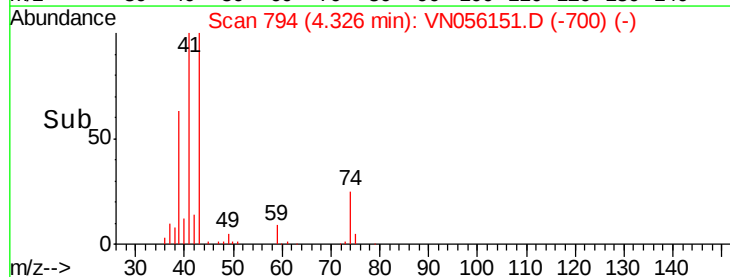
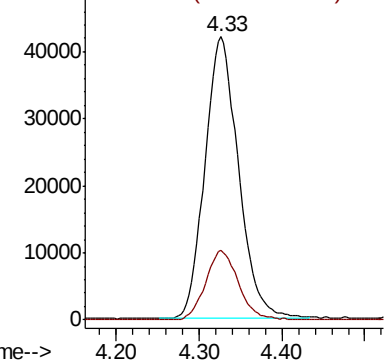


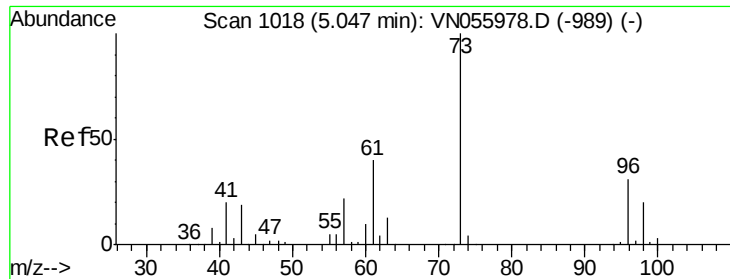
#18
Methyl Acetate
Concen: 47.822 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion: 43 Resp: 118989
Ion Ratio Lower Upper
43 100
74 23.9 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 74.00 (73.70 to 74.70): VNC

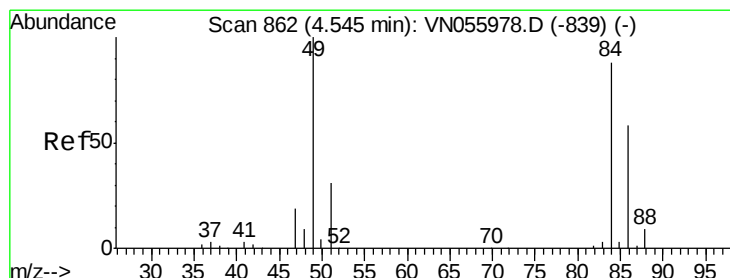
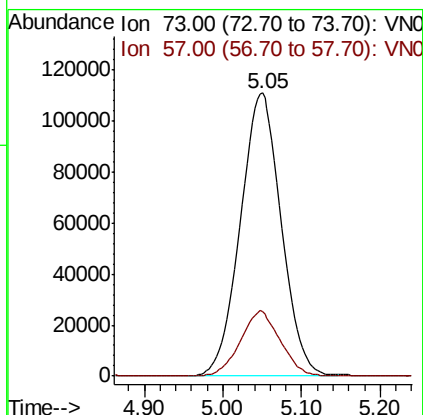
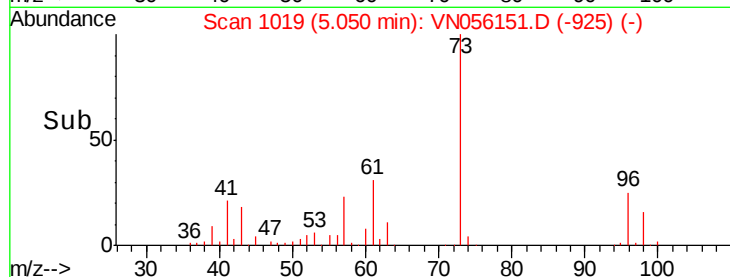
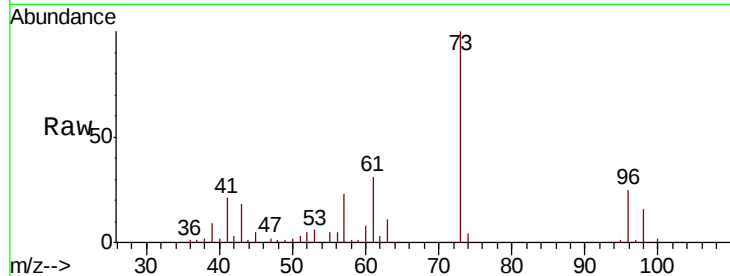




#19
Methvl tert-butvl Ether
Concen: 56.893 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

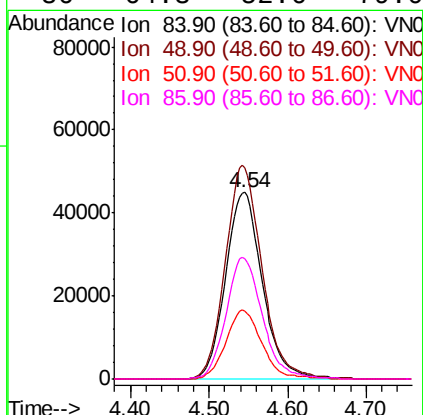
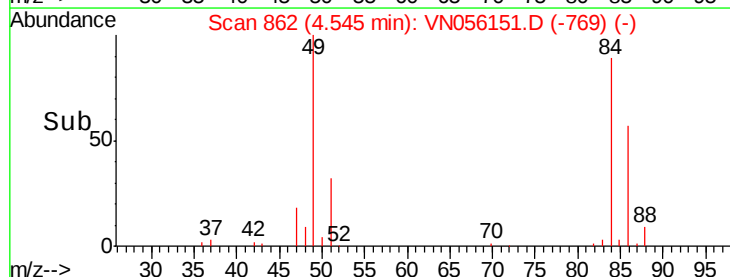
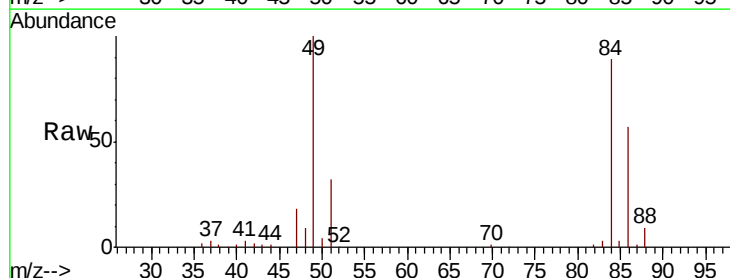
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

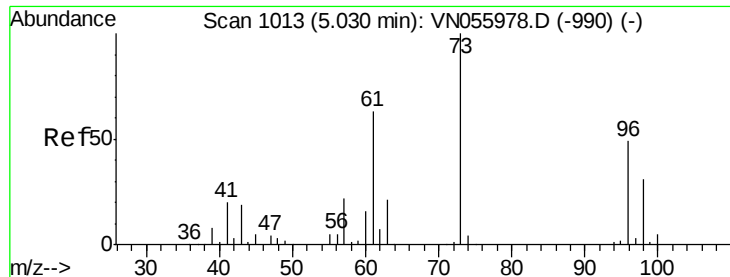
Tot Ion: 73 Resp: 405870
Ion Ratio Lower Upper
73 100
57 22.9 17.8 26.8



#20
Methylene Chloride
Concen: 55.873 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion: 84 Resp: 145735
Ion Ratio Lower Upper
84 100
49 112.9 93.5 140.3
51 36.1 28.6 43.0
86 64.3 52.6 79.0

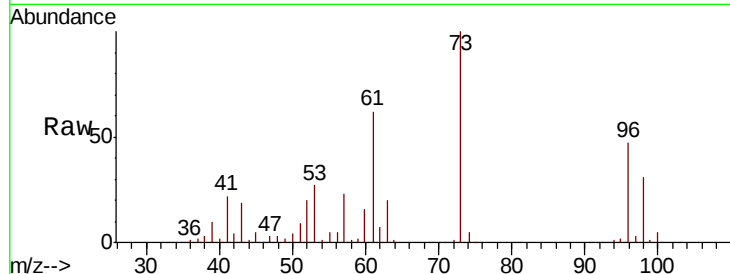




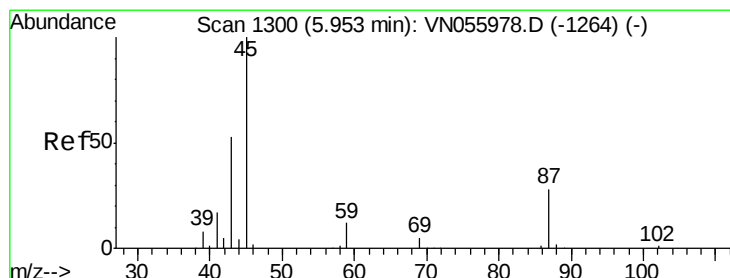
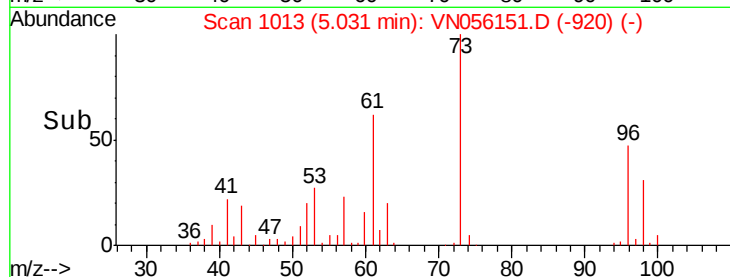
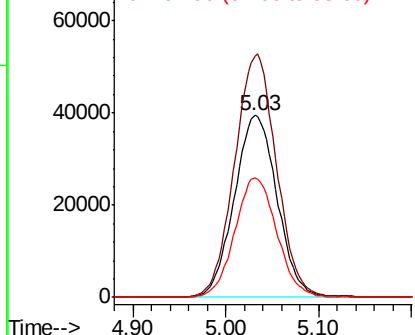
#21
trans-1,2-Dichloroethene
Concen: 52.815 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion: 96 Resp: 126650
Ion Ratio Lower Upper
96 100
61 132.4 107.8 161.8
98 65.9 49.8 74.8

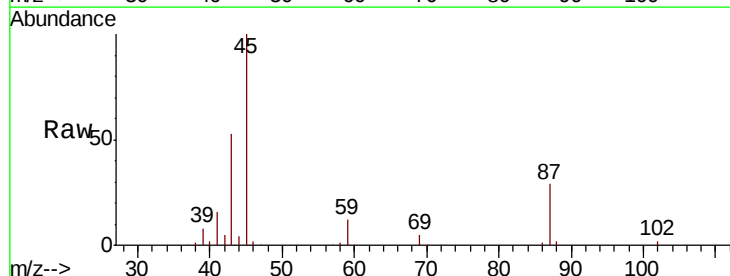


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

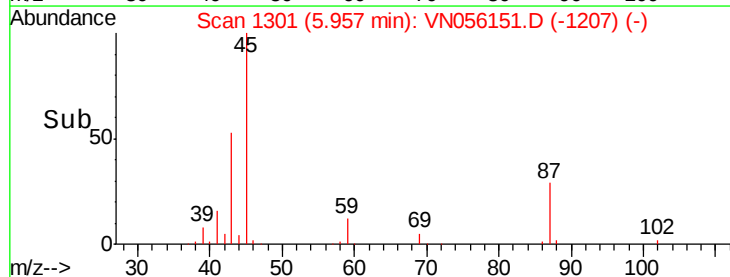
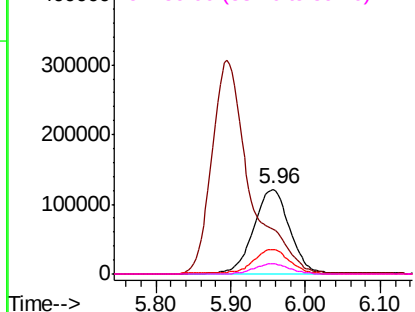


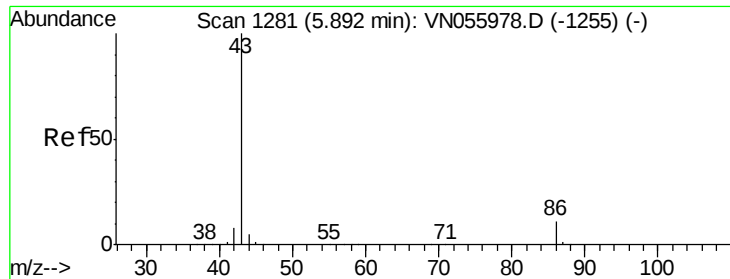
#22
Diisopropyl ether
Concen: 56.158 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion: 45 Resp: 410255
Ion Ratio Lower Upper
45 100
43 51.5 45.0 67.6
87 28.9 22.2 33.4
59 11.6 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 188.234 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

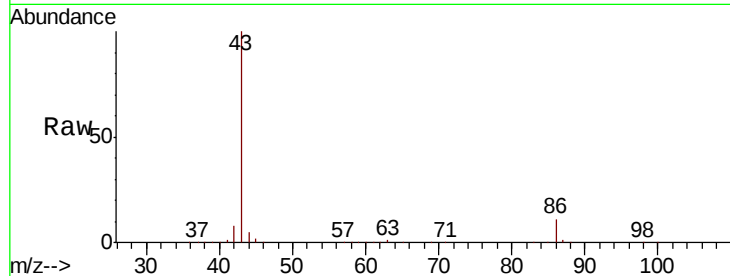
SP19-MMW-3414MSD

Tot Ion: 43 Resp: 1082908

Ion Ratio Lower Upper

43 100

86 10.9 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN055978.D (-1255) (-)

5.90

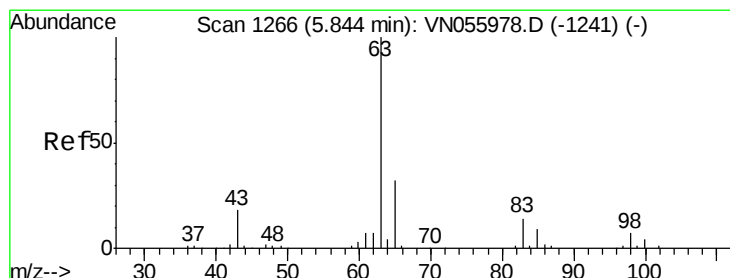
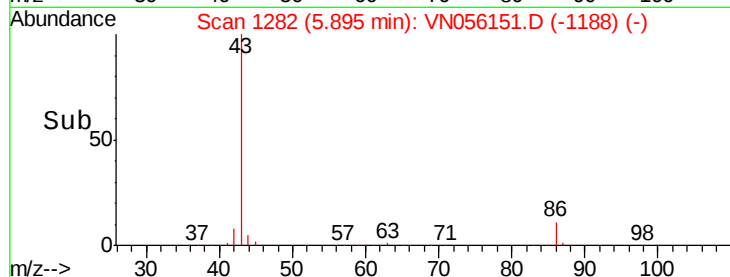
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 56.046 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

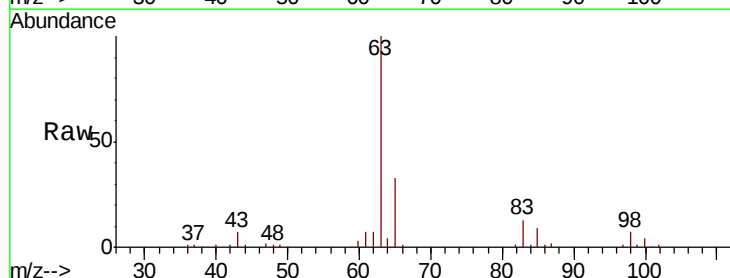
Tgt Ion: 63 Resp: 236180

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 4.2 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055978.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055978.D (-1241) (-)

5.84

100000

80000

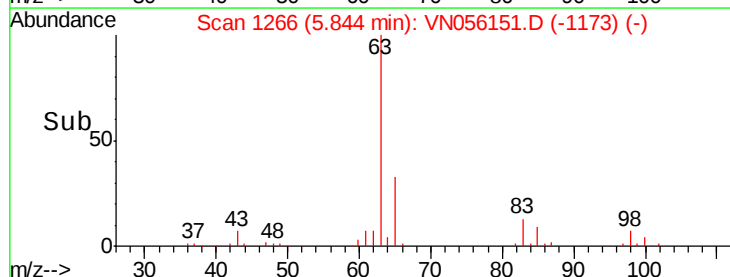
60000

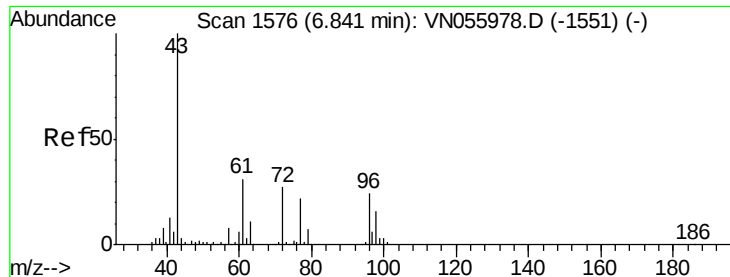
40000

20000

0

Time-->





#25

2-Butanone

Concen: 275.460 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

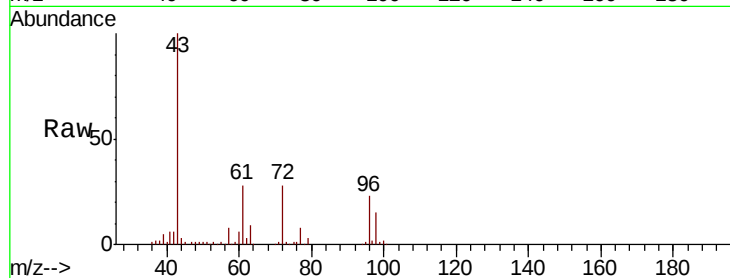
SP19-MMW-3414MSD

Tot Ion: 43 Resp: 440625

Ion Ratio Lower Upper

43 100

72 28.1 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

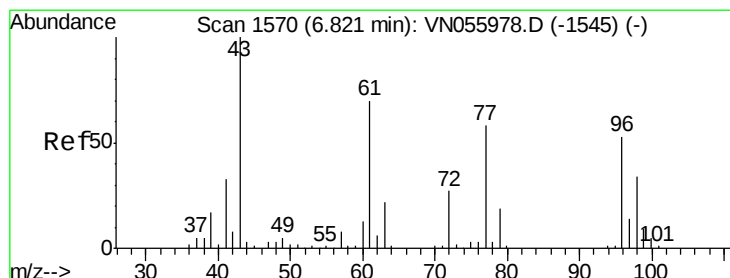
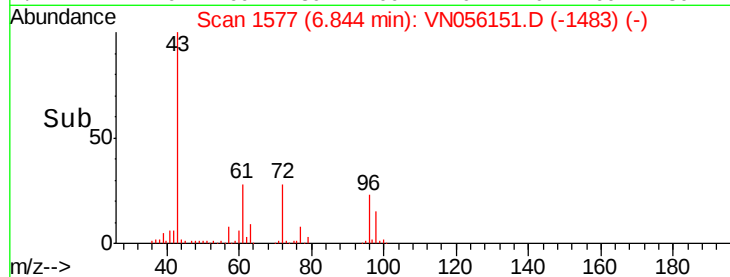
150000

100000

50000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 20.781 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056151.D

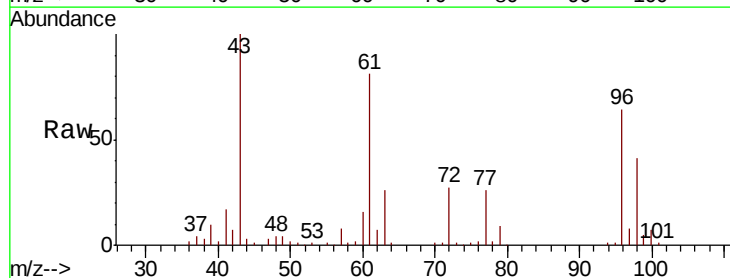
Acq: 8 Jun 2019 14:07

Tgt Ion: 77 Resp: 68335

Ion Ratio Lower Upper

77 100

97 30.3 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

25000

20000

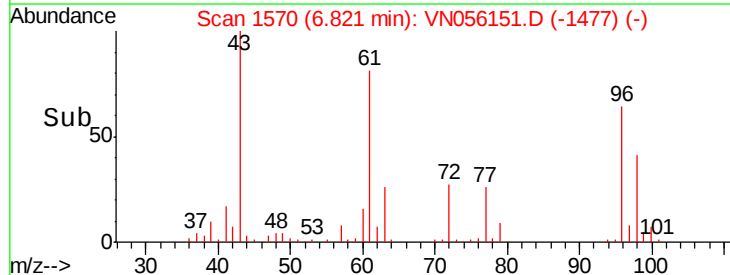
15000

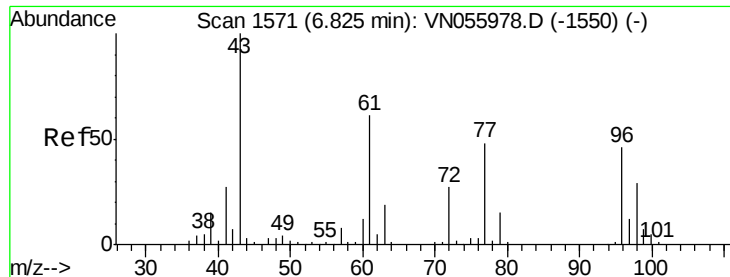
10000

5000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 55.736 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

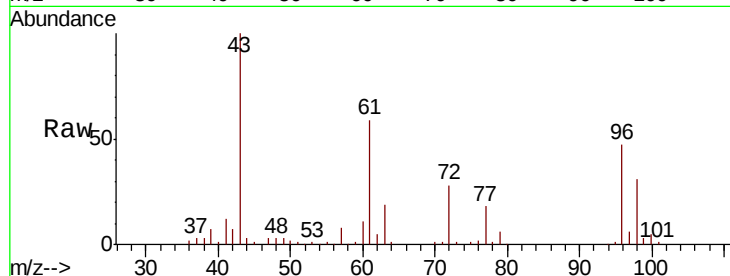
Tot Ion: 96 Resp: 157107

Ion Ratio Lower Upper

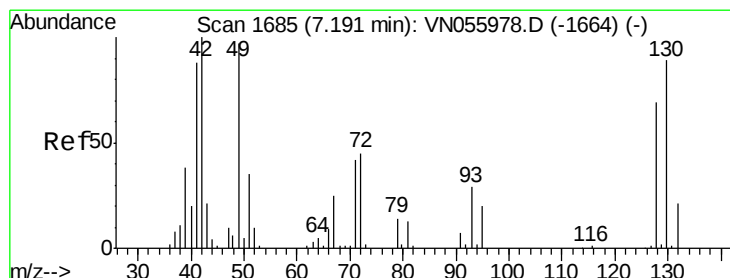
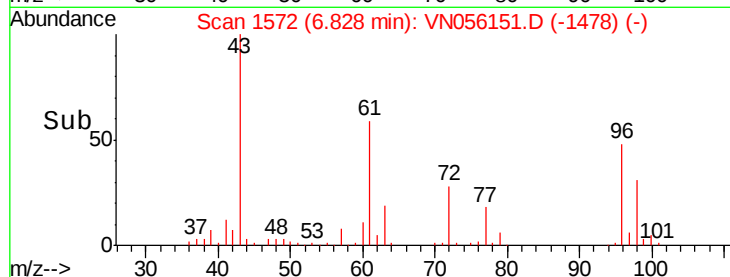
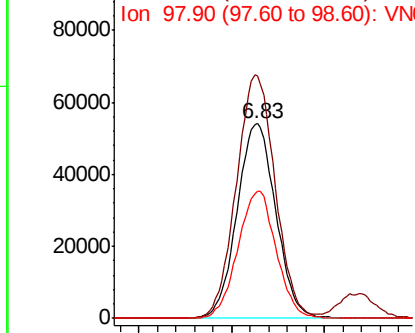
96 100

61 125.2 0.0 275.8

98 64.5 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 60.336 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

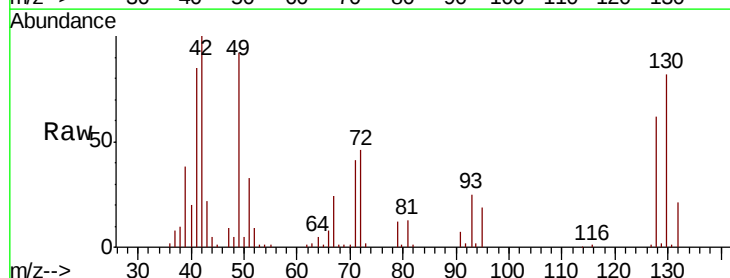
Tgt Ion: 49 Resp: 120239

Ion Ratio Lower Upper

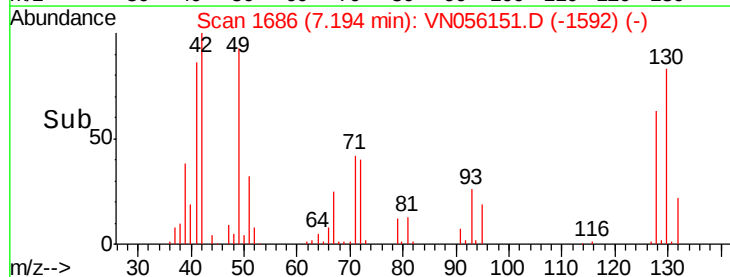
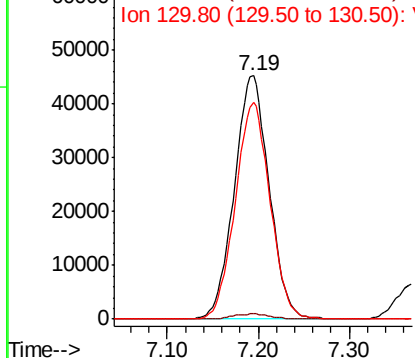
49 100

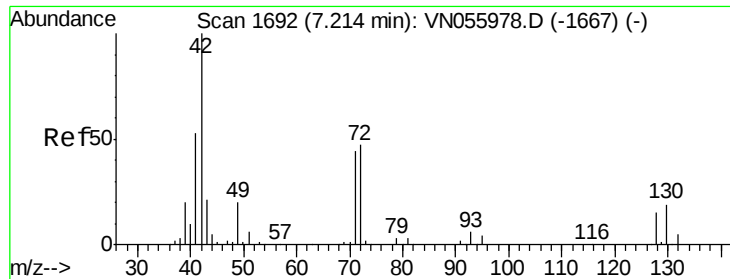
129 2.1 0.0 4.4

130 88.9 71.2 106.8



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

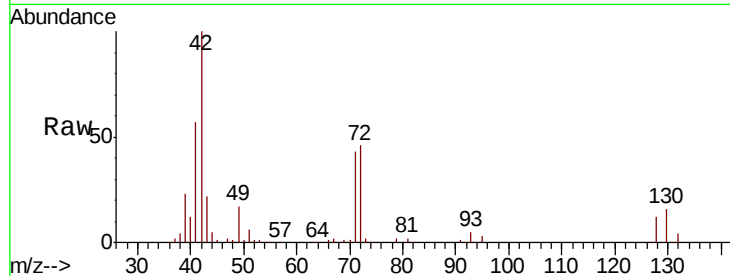




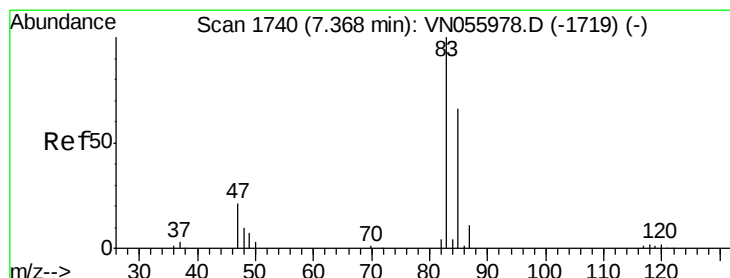
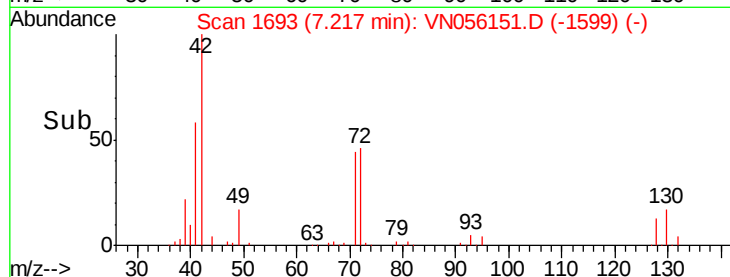
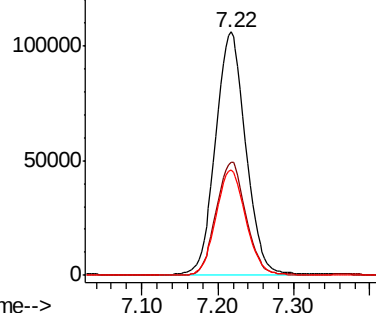
#29
Tetrahydrofuran
Concen: 299.191 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion: 42 Resp: 295833
Ion Ratio Lower Upper
42 100
72 45.8 35.9 53.9
71 42.7 34.0 51.0

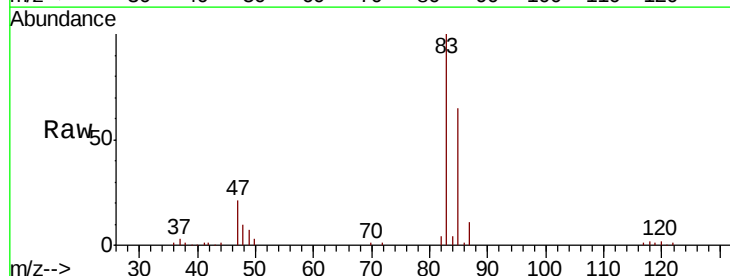


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

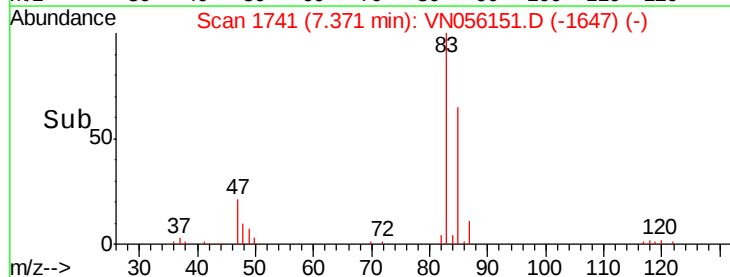
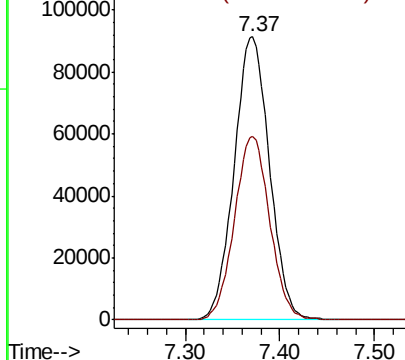


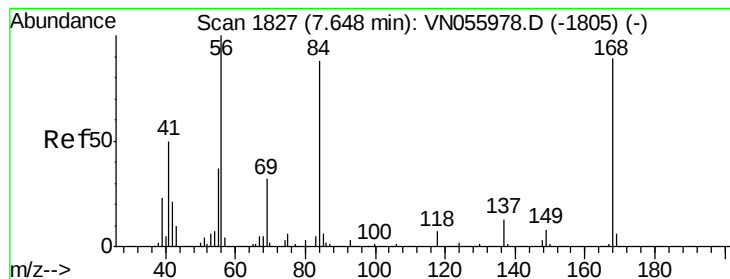
#30
Chloroform
Concen: 55.941 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion: 83 Resp: 237143
Ion Ratio Lower Upper
83 100
85 65.0 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 42.743 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

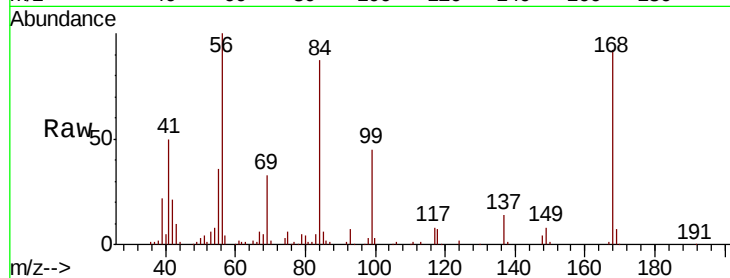
Tot Ion: 56 Resp: 179537

Ion Ratio Lower Upper

56 100

69 33.2 25.6 38.4

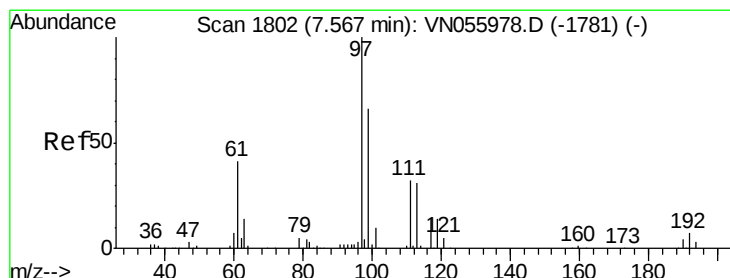
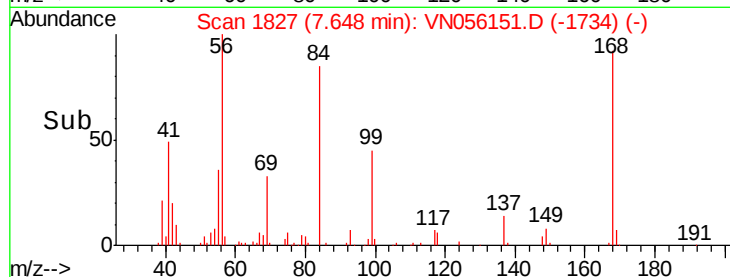
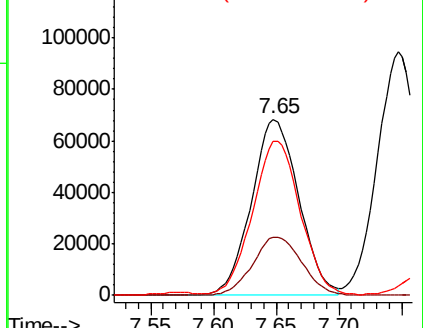
84 85.9 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN055978.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN055978.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN055978.D (-1805) (-)



#32

1,1,1-Trichloroethane

Concen: 51.880 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

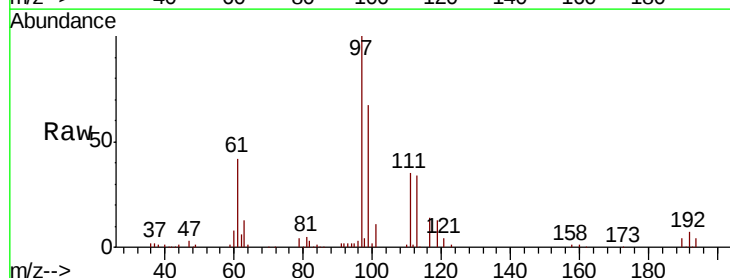
Tgt Ion: 97 Resp: 183655

Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

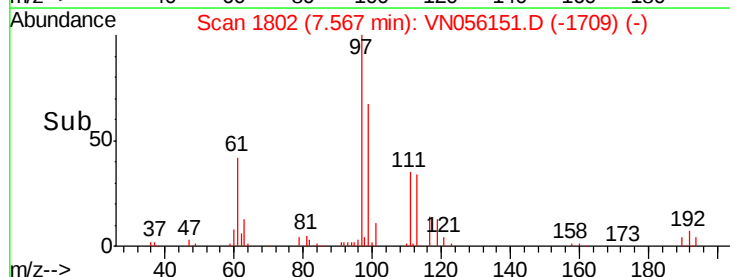
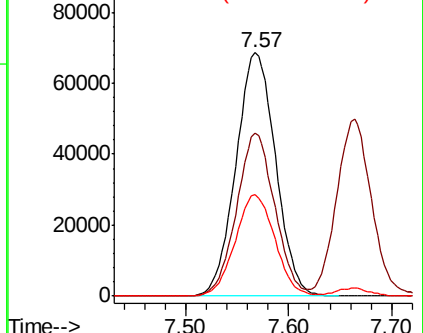
61 41.6 32.9 49.3

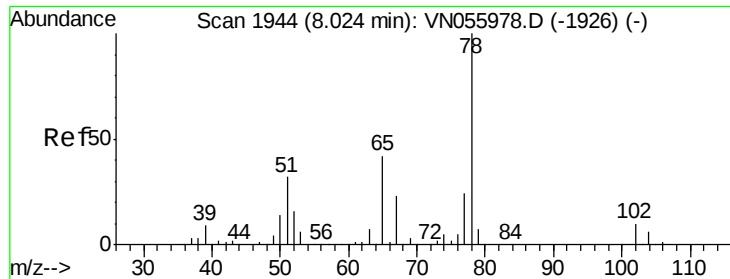


Abundance Ion 96.90 (96.60 to 97.60): VN055978.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN055978.D (-1781) (-)

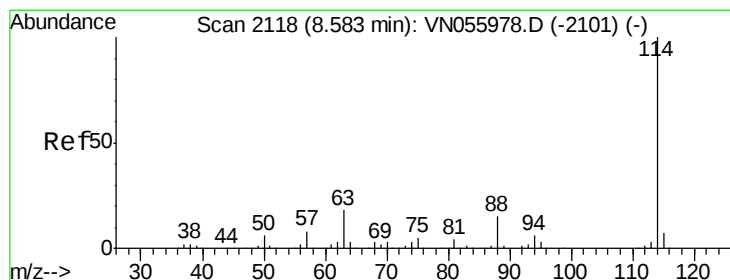
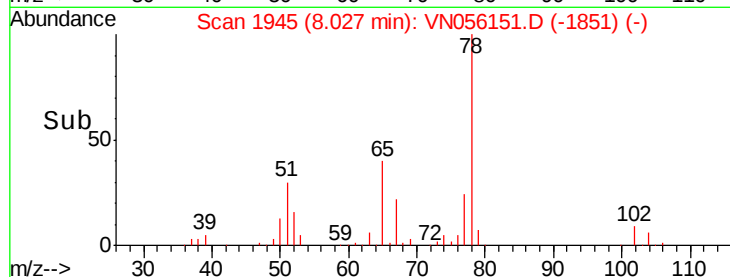
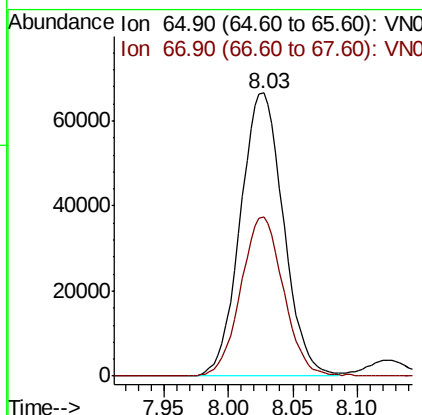
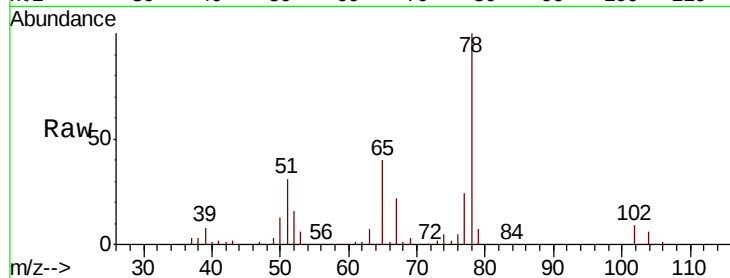




#33
 1,2-Dichloroethane-d4
 Concen: 58.558 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

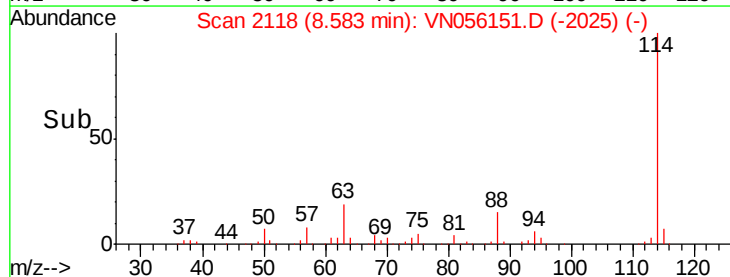
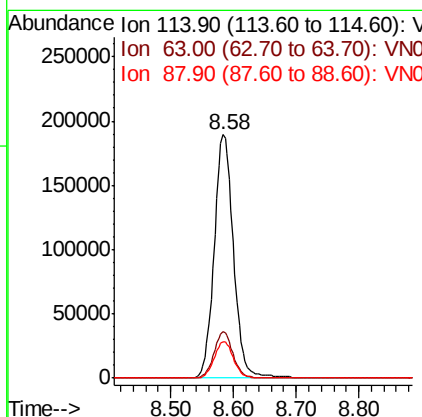
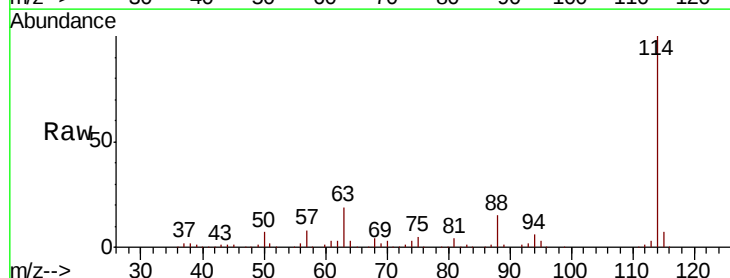
Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MSD

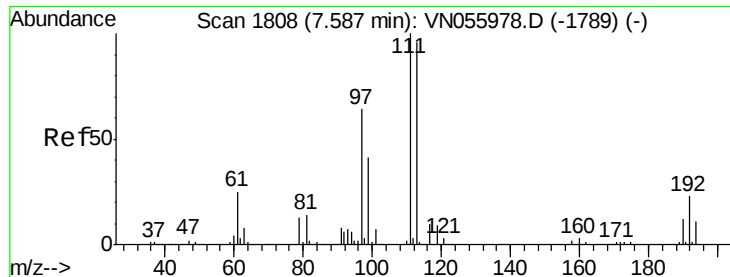
Tot Ion: 65 Resp: 155010
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Tgt Ion: 114 Resp: 405708
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 15.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 55.834 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

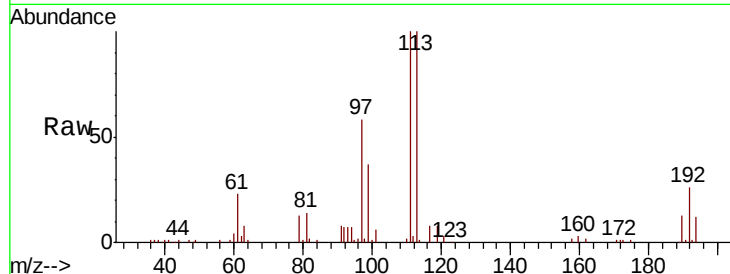
Tot Ion:113 Resp: 138980

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

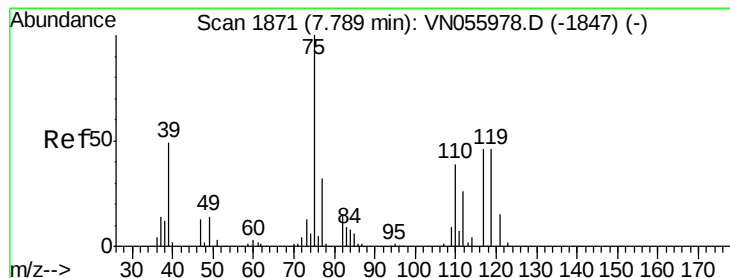
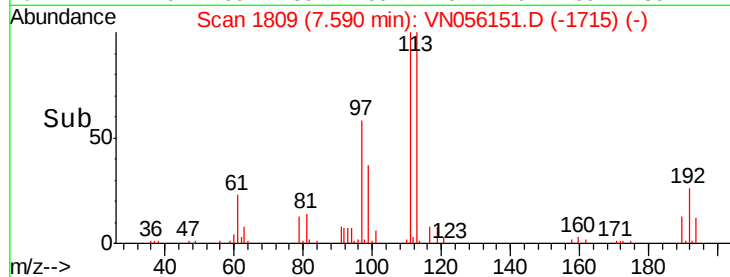
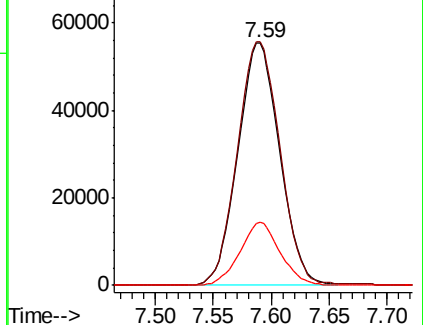
192 24.9 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.153 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

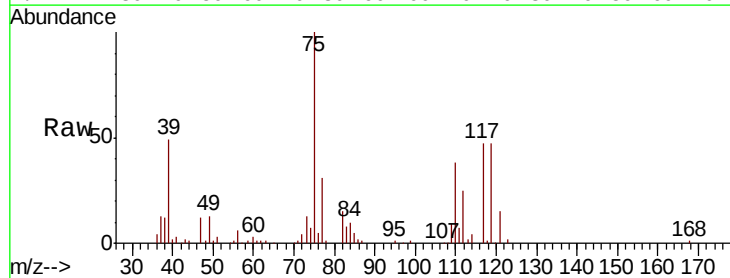
Tgt Ion: 75 Resp: 161007

Ion Ratio Lower Upper

75 100

110 37.9 19.0 57.0

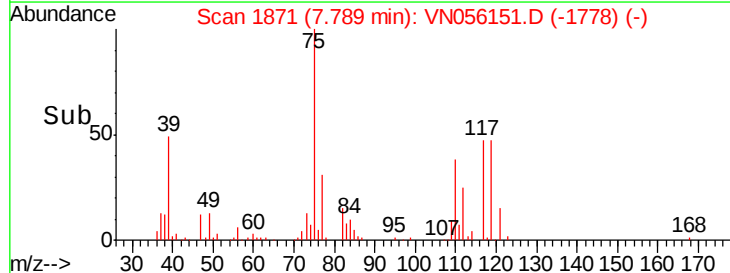
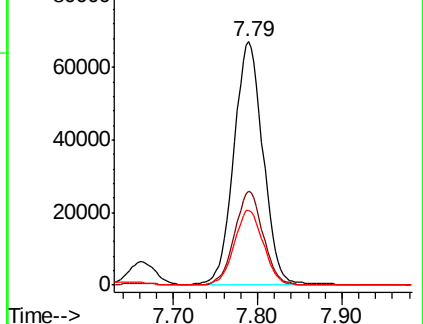
77 31.0 25.1 37.7

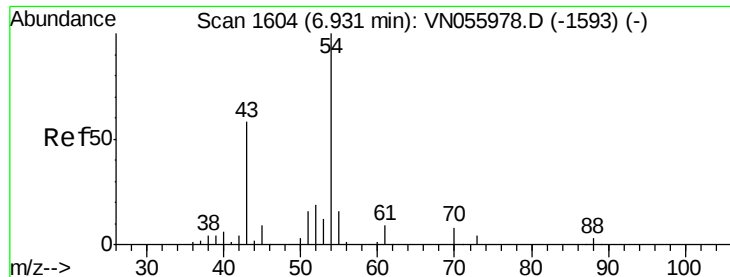


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

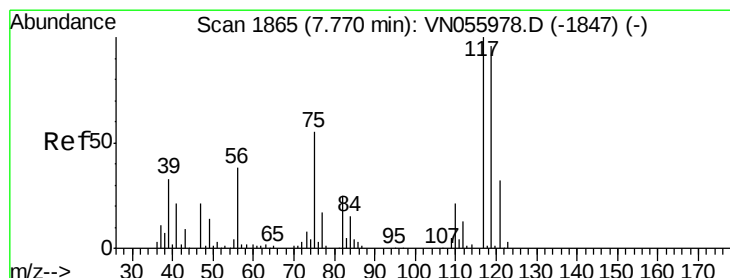
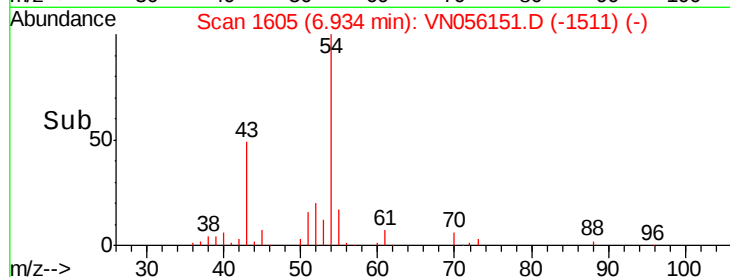
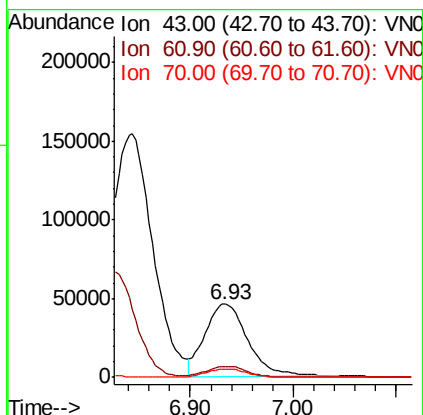
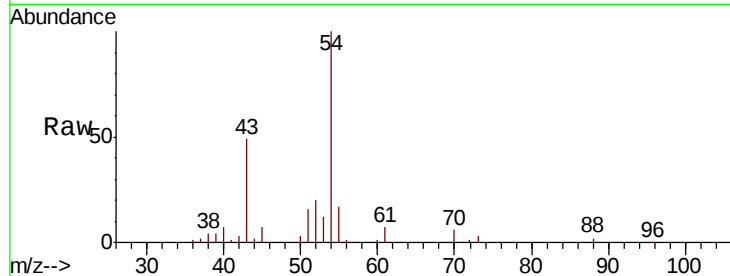




#37
Ethyl Acetate
Concen: 42.664 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

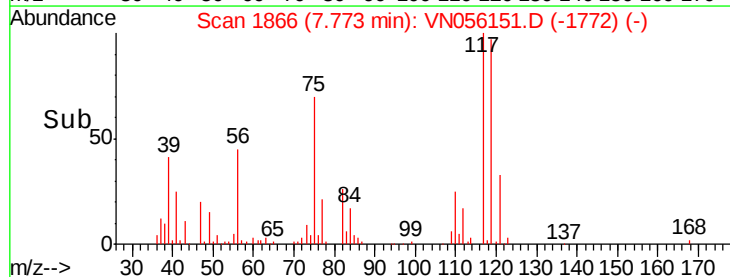
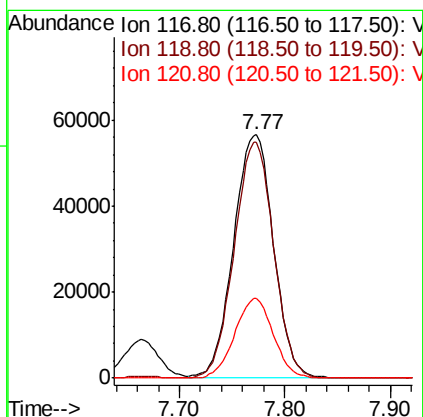
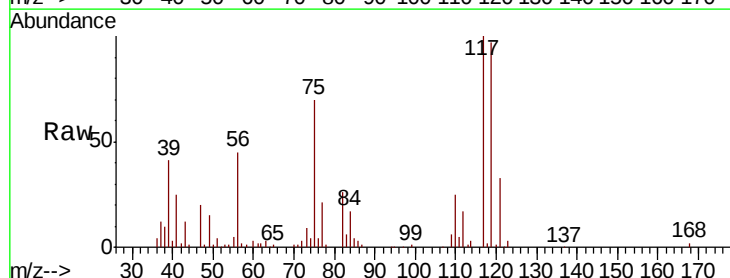
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

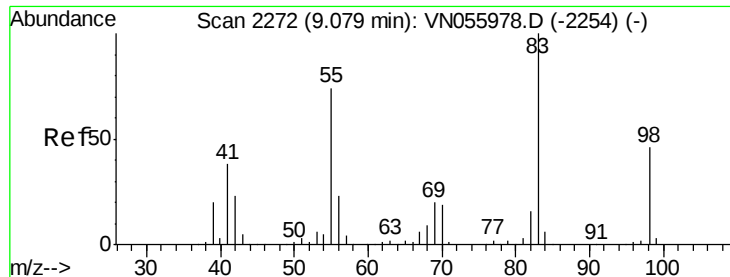
Tot Ion: 43 Resp: 132428
Ion Ratio Lower Upper
43 100
61 14.2 12.2 18.2
70 11.2 8.9 13.3



#38
Carbon Tetrachloride
Concen: 45.959 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion: 117 Resp: 147816
Ion Ratio Lower Upper
117 100
119 97.0 79.0 118.6
121 33.0 24.7 37.1

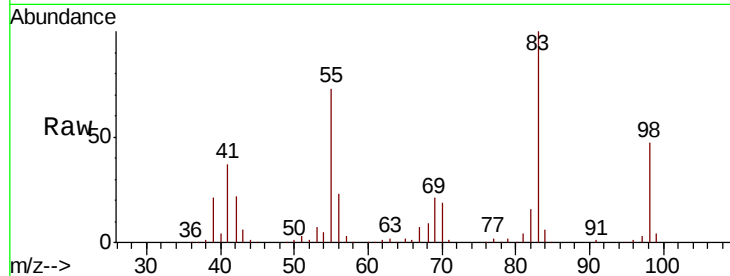




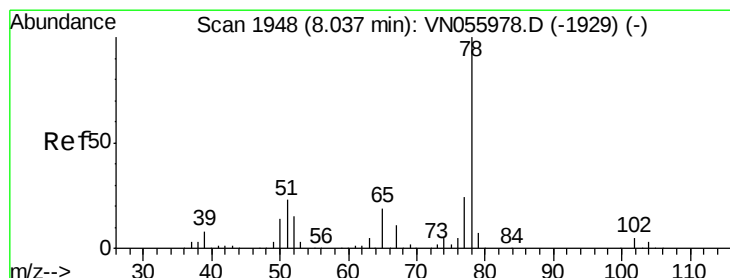
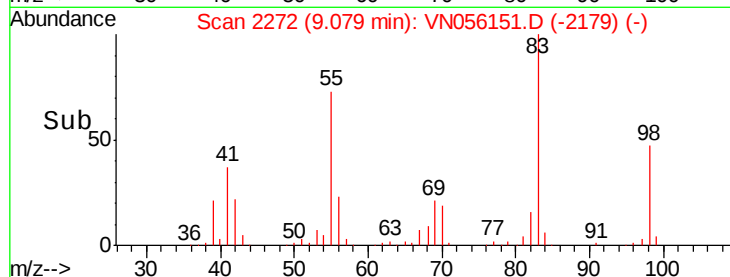
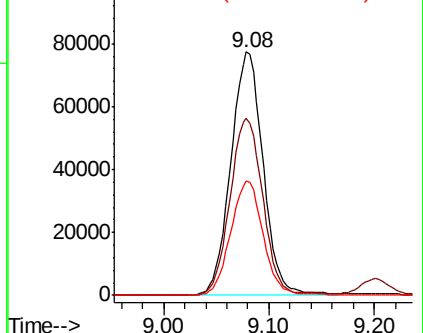
#39
Methvlcvclohexane
Concen: 37.907 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion: 83 Resp: 164733
Ion Ratio Lower Upper
83 100
55 72.6 59.3 88.9
98 46.8 36.6 54.8

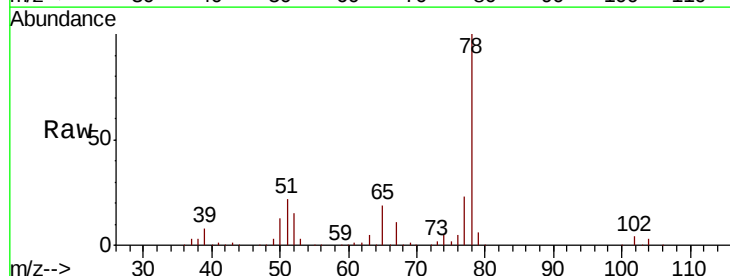


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

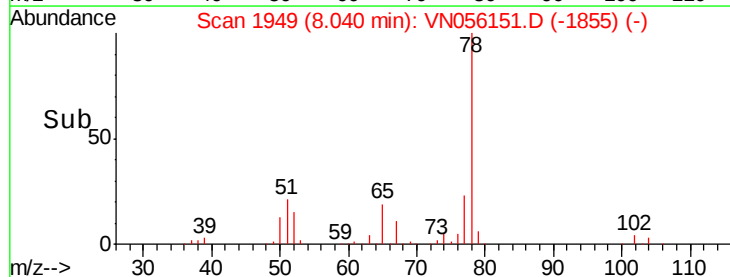
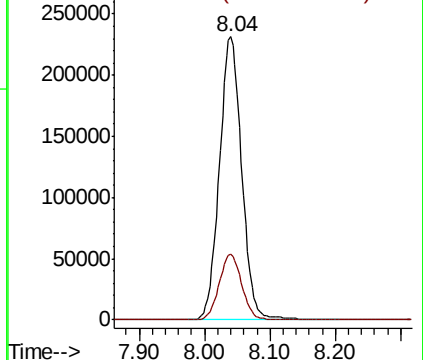


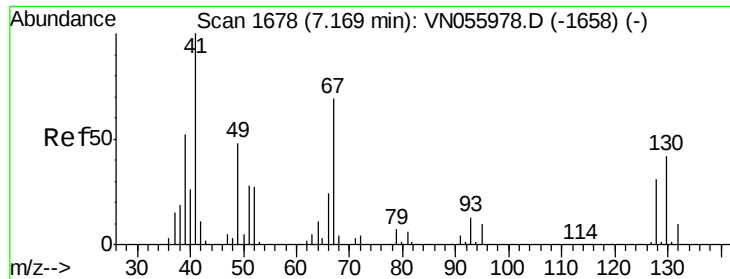
#40
Benzene
Concen: 51.803 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion: 78 Resp: 548877
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

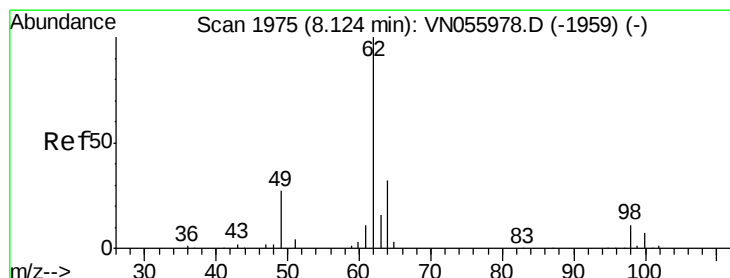
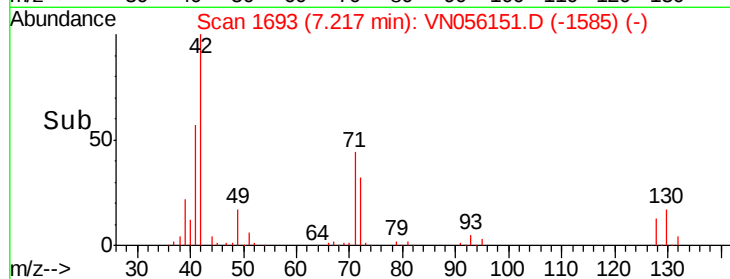
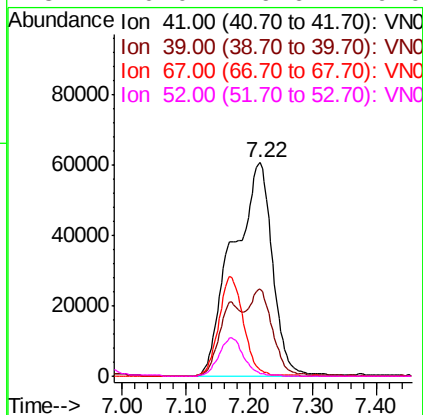
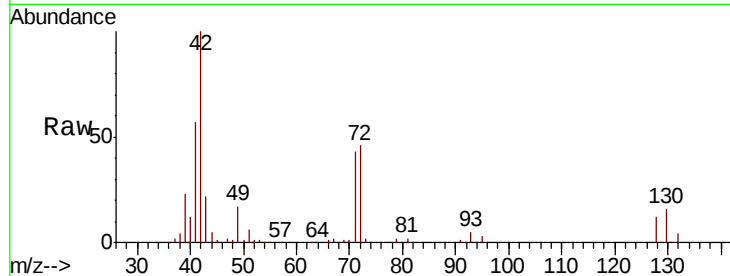




#41
Methacrylonitrile
Concen: 183.451 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.05 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

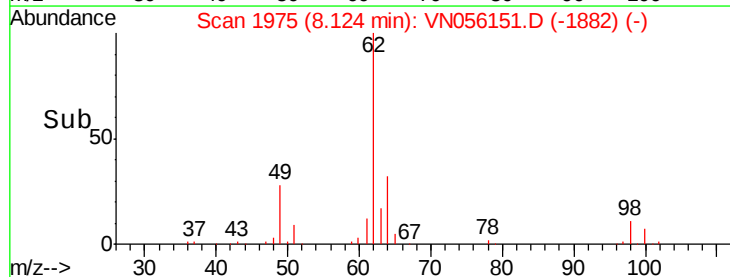
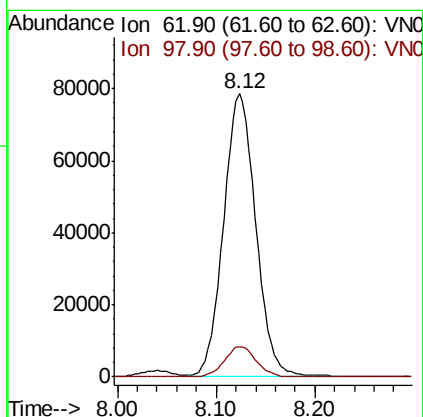
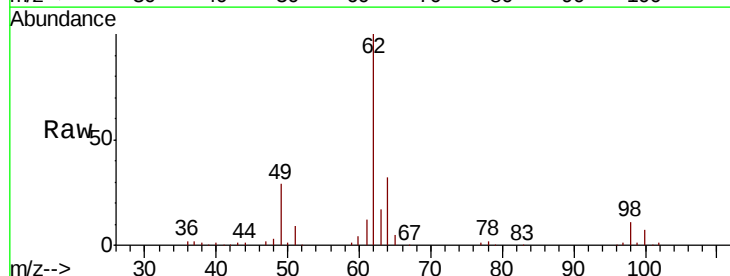
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

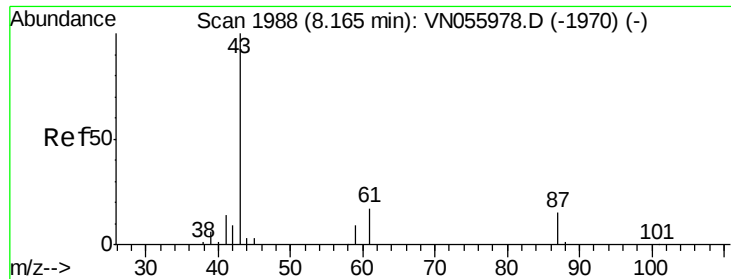
Tot Ion: 41 Resp: 261988
Ion Ratio Lower Upper
41 100
39 0.0 45.6 68.4#
67 0.0 67.7 101.5#
52 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 52.284 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion: 62 Resp: 178194
Ion Ratio Lower Upper
62 100
98 10.5 0.0 20.2





#43

Isopropyl Acetate

Concen: 43.994 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

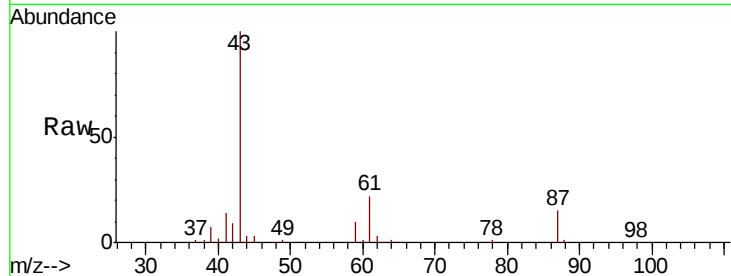
Tot Ion: 43 Resp: 221280

Ion Ratio Lower Upper

43 100

61 21.4 22.2 33.4#

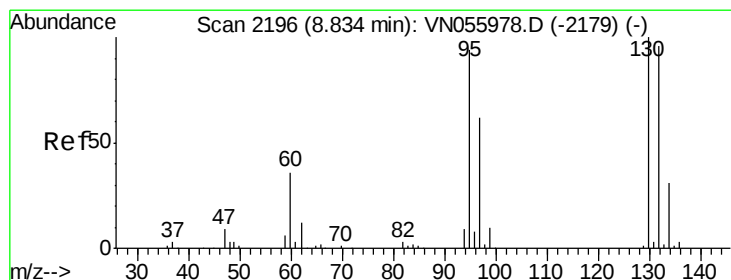
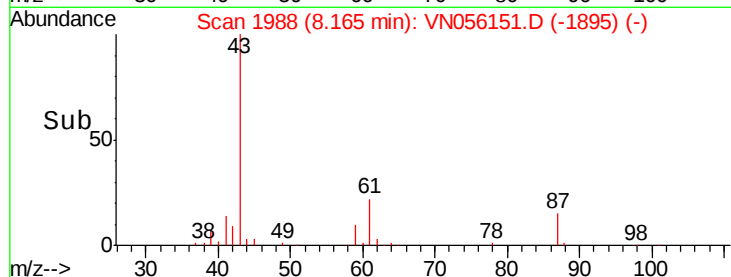
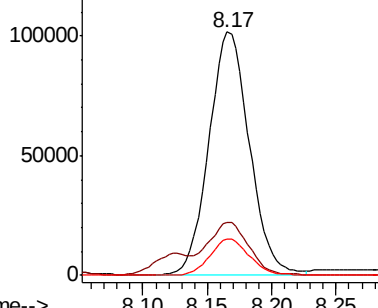
87 14.8 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)



#44

Trichloroethene

Concen: 48.602 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056151.D

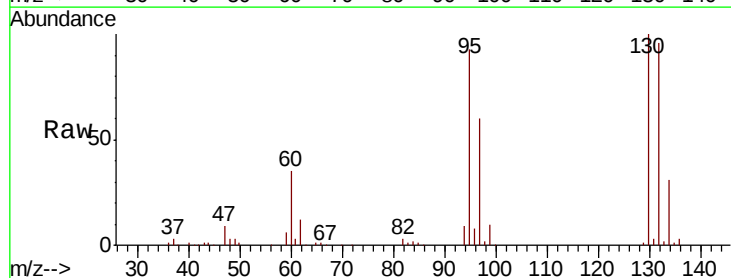
Acq: 8 Jun 2019 14:07

Tgt Ion:130 Resp: 147973

Ion Ratio Lower Upper

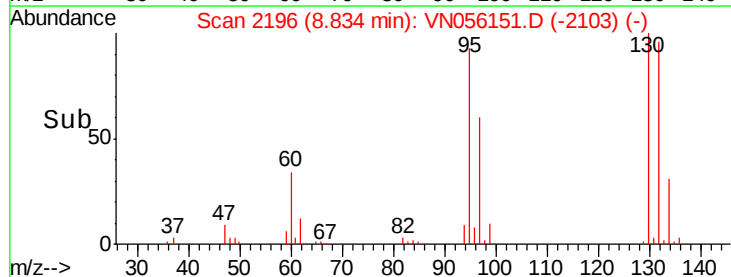
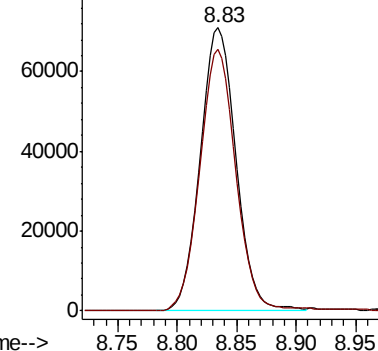
130 100

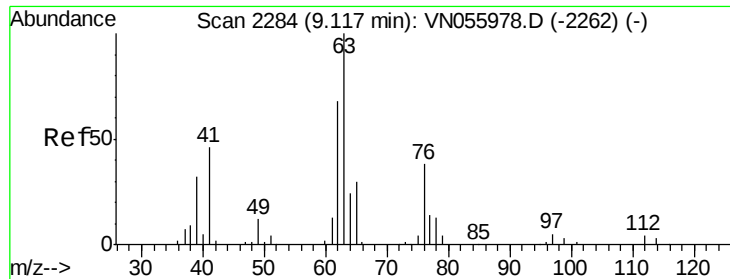
95 92.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 54.286 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

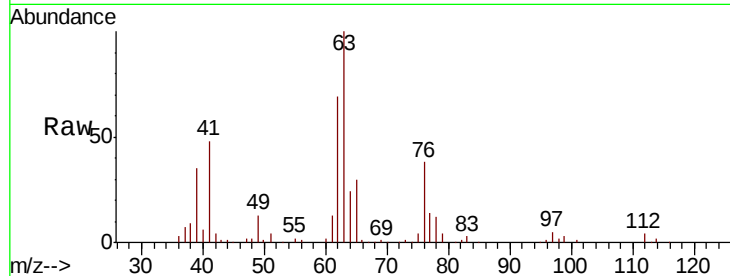
SP19-MMW-3414MSD

Tot Ion: 63 Resp: 147329

Ion Ratio Lower Upper

63 100

65 30.5 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN056151.D (-2191) (-)

Ion 64.90 (64.60 to 65.60): VN056151.D (-2191) (-)

9.12

80000

60000

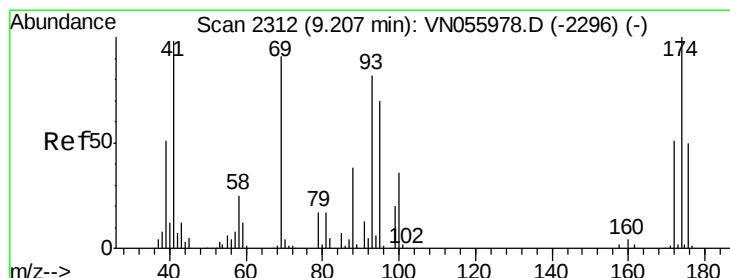
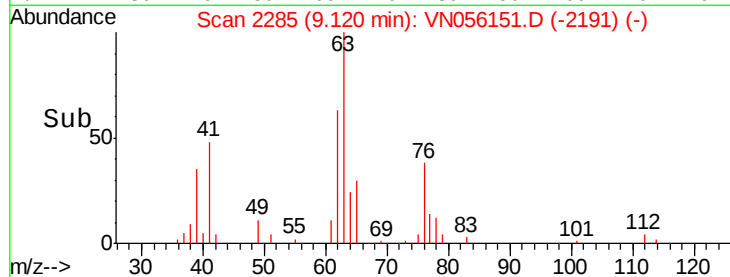
40000

20000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 55.166 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

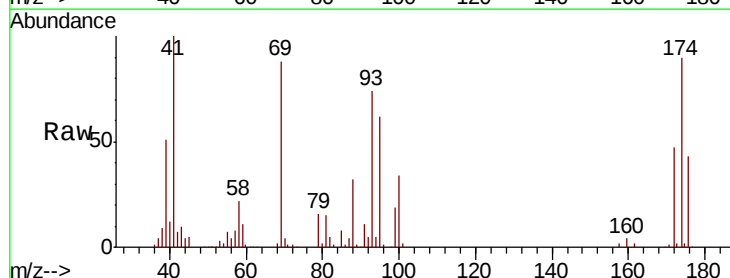
Tgt Ion: 93 Resp: 97904

Ion Ratio Lower Upper

93 100

95 83.1 66.7 100.1

174 121.8 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN056151.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN056151.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN056151.D (-2219) (-)

9.21

80000

60000

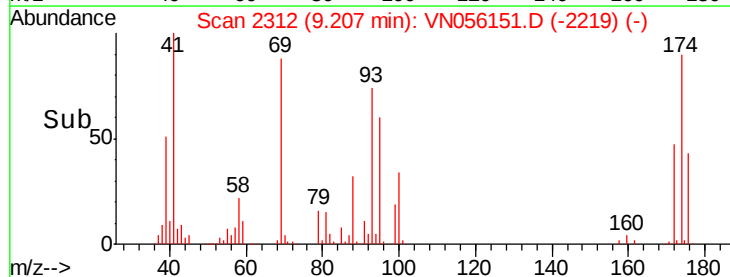
40000

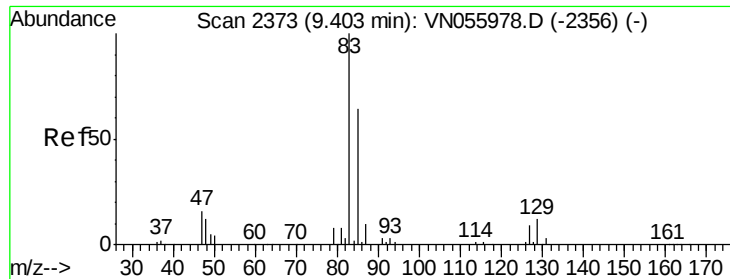
20000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 53.183 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

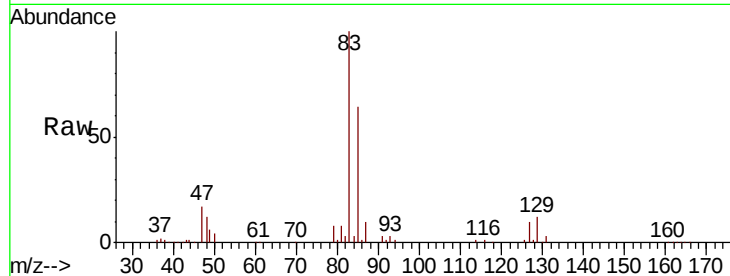
Tot Ion: 83 Resp: 171065

Ion Ratio Lower Upper

83 100

85 64.3 52.2 78.2

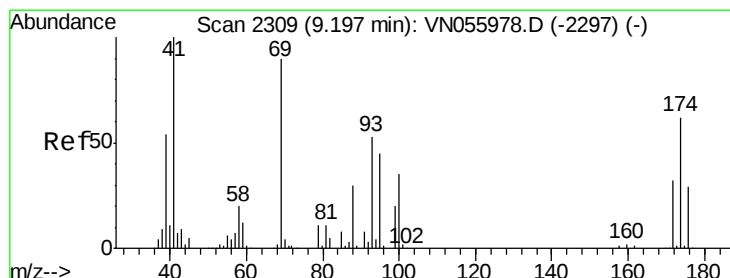
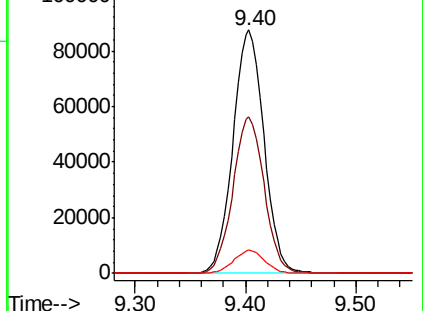
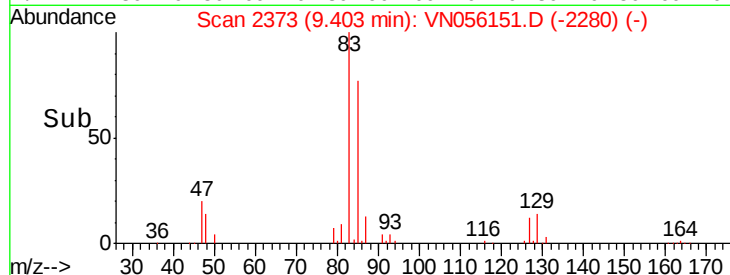
127 9.6 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN056151.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056151.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056151.D (-2280) (-)



#48

Methyl methacrylate

Concen: 57.189 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

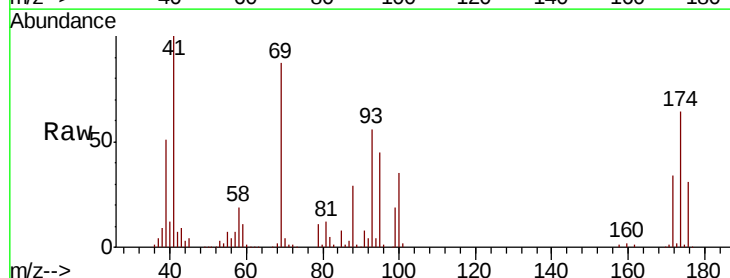
Tgt Ion: 41 Resp: 140726

Ion Ratio Lower Upper

41 100

69 89.3 71.0 106.6

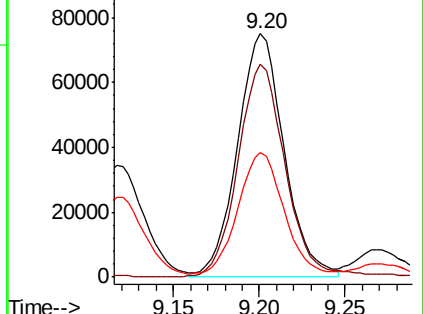
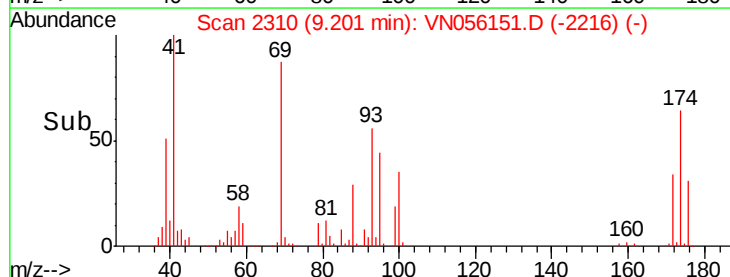
39 51.7 44.2 66.2

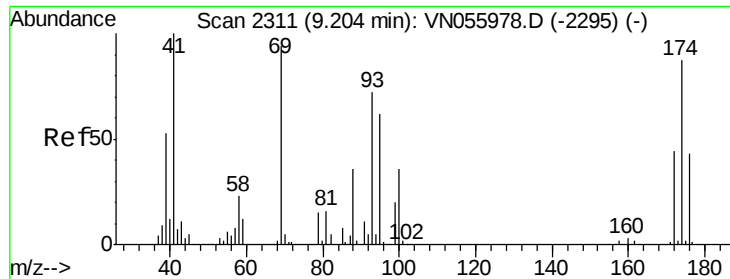


Abundance Ion 41.00 (40.70 to 41.70): VN056151.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056151.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056151.D (-2216) (-)





#49

1,4-Dioxane

Concen: 1027.154 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

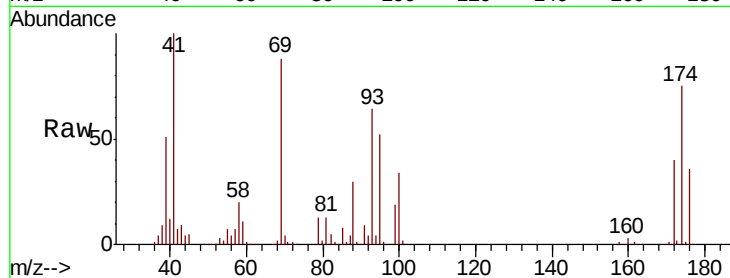
Tot Ion: 88 Resp: 54567

Ion Ratio Lower Upper

88 100

43 26.0 20.5 30.7

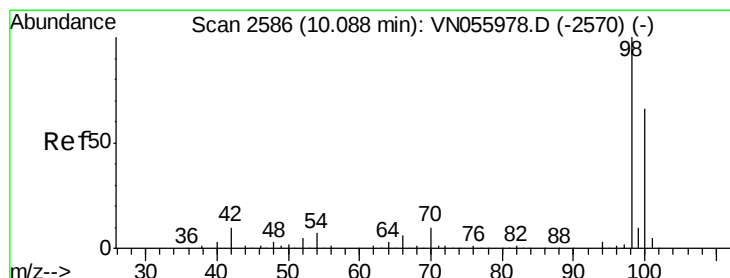
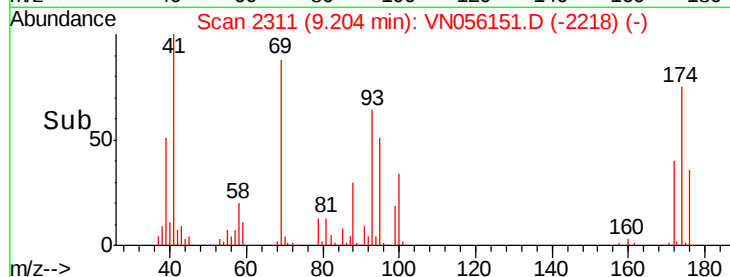
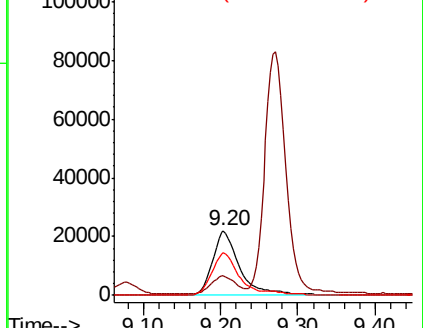
58 64.1 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN056151.D (-2218) (-)

Ion 43.00 (42.70 to 43.70): VN056151.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN056151.D (-2218) (-)



#50

Toluene-d8

Concen: 51.677 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056151.D

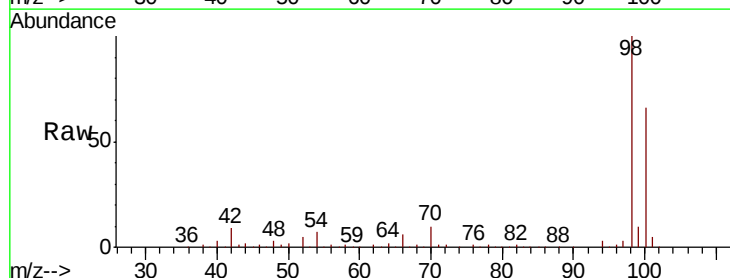
Acq: 8 Jun 2019 14:07

Tgt Ion: 98 Resp: 494974

Ion Ratio Lower Upper

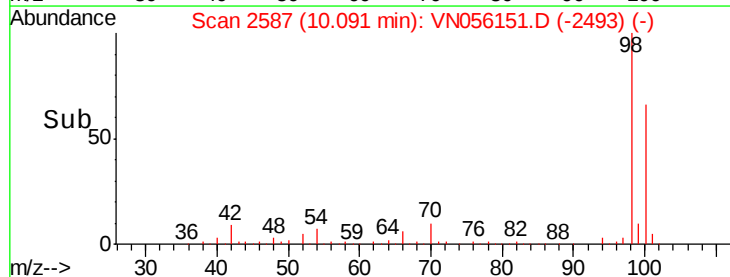
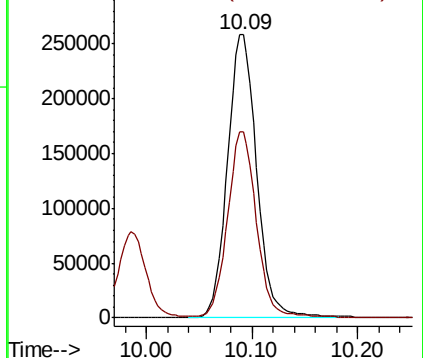
98 100

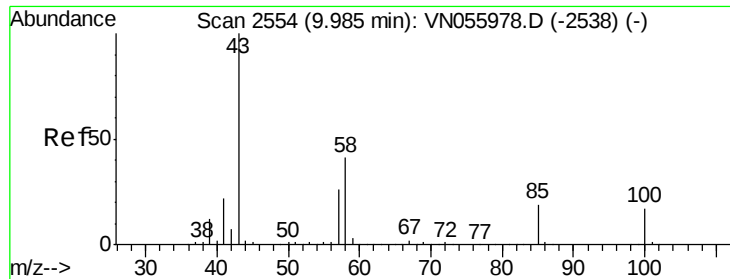
100 65.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN056151.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN056151.D (-2493) (-)





#51

4-Methyl-2-Pentanone

Concen: 287.871 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

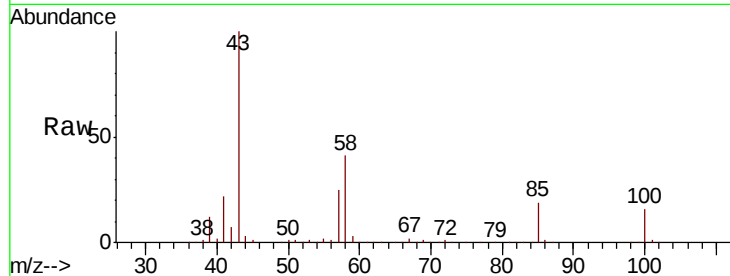
SP19-MMW-3414MSD

Tot Ion: 43 Resp: 905473

Ion Ratio Lower Upper

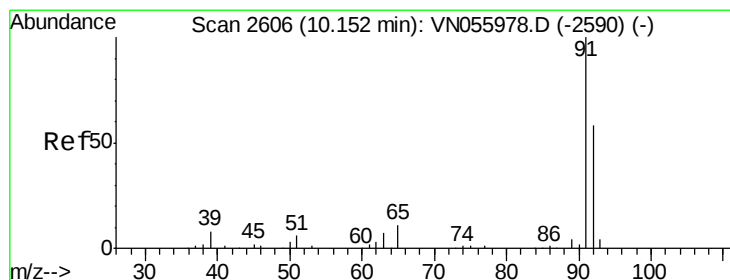
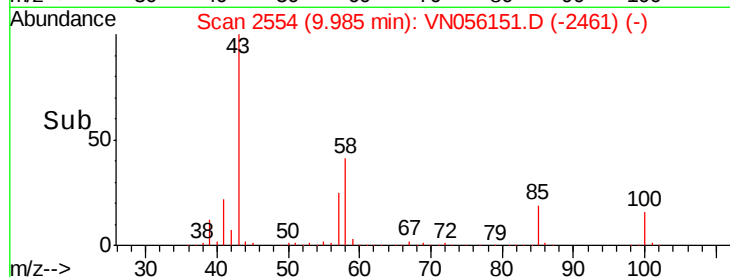
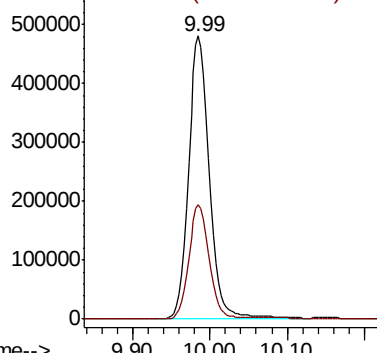
43 100

58 40.1 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.321 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056151.D

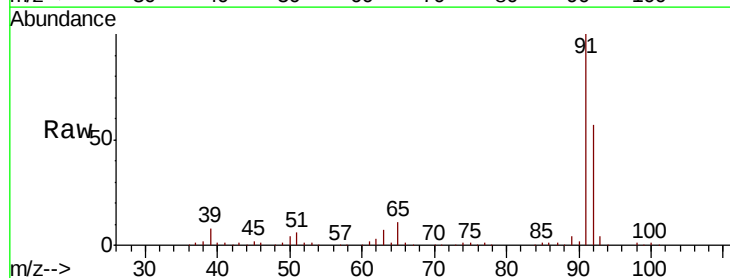
Acq: 8 Jun 2019 14:07

Tgt Ion: 92 Resp: 331774

Ion Ratio Lower Upper

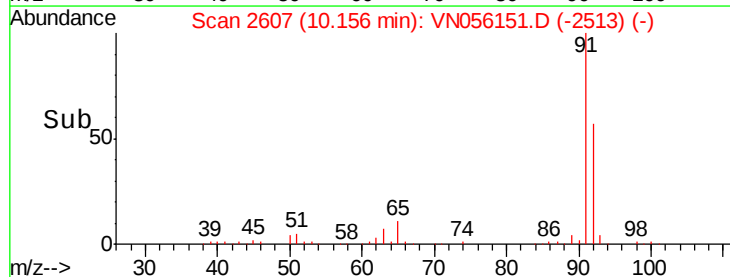
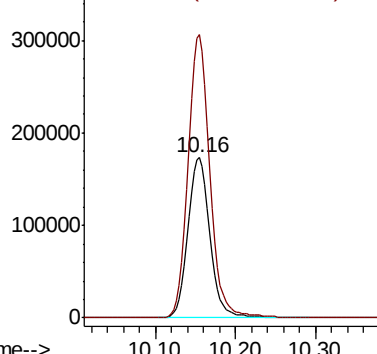
92 100

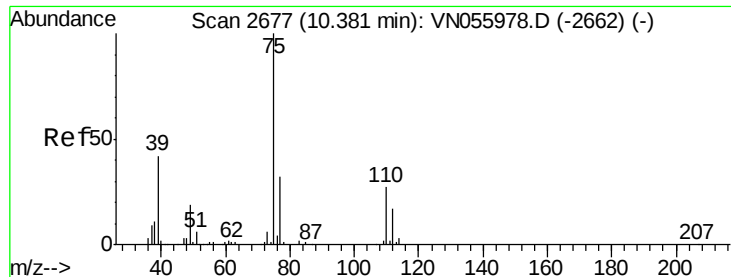
91 175.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 41.274 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

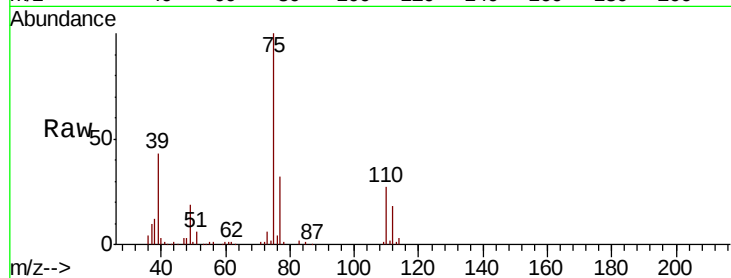
SP19-MMW-3414MSD

Tot Ion: 75 Resp: 153990

Ion Ratio Lower Upper

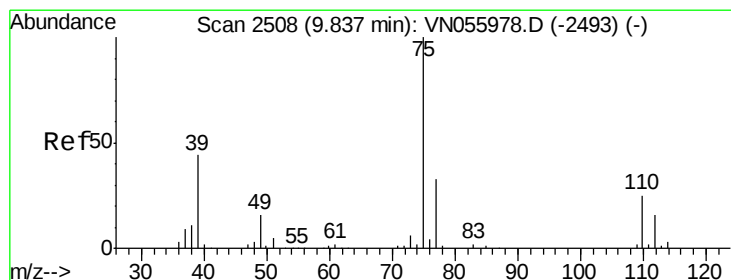
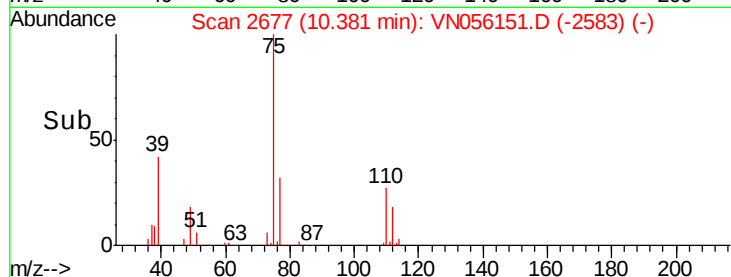
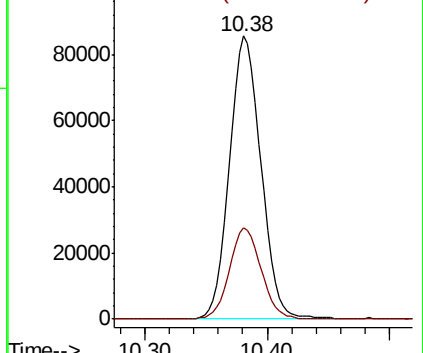
75 100

77 31.9 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 47.015 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

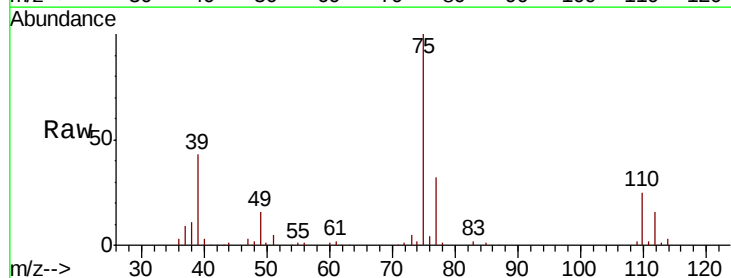
Tgt Ion: 75 Resp: 181772

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

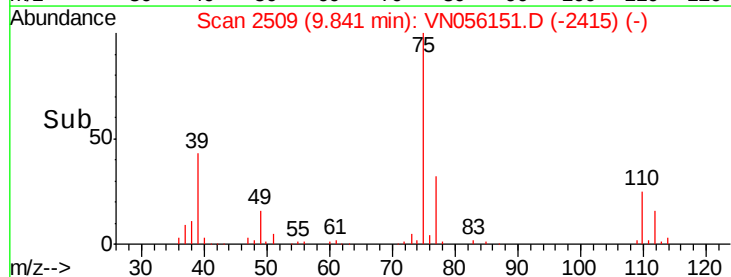
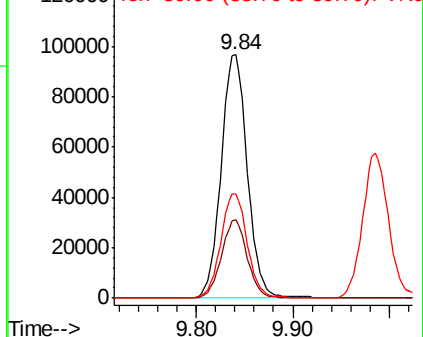
39 43.0 36.3 54.5

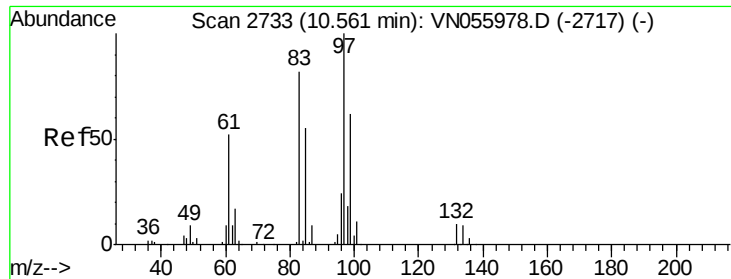


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



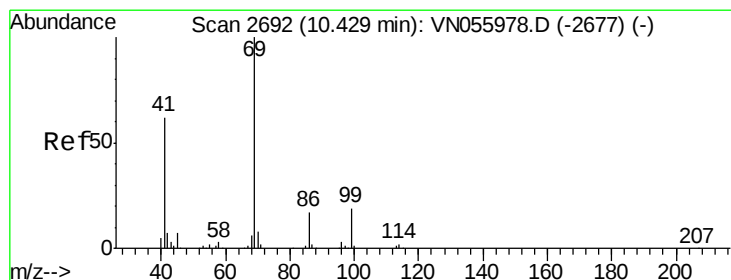
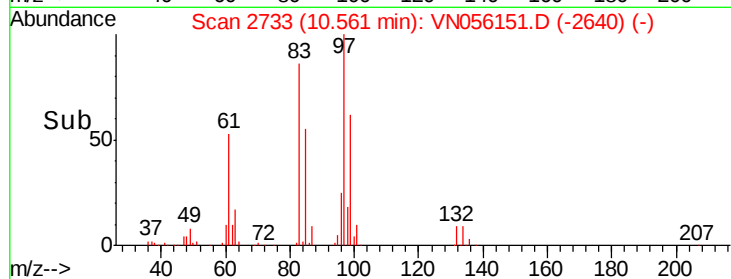
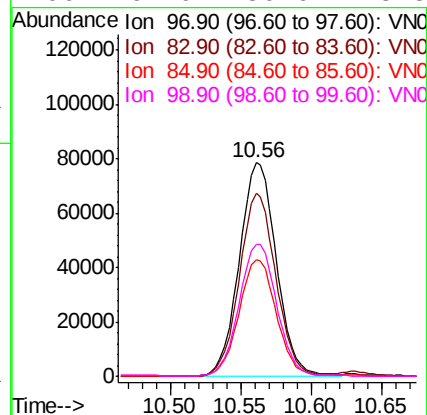
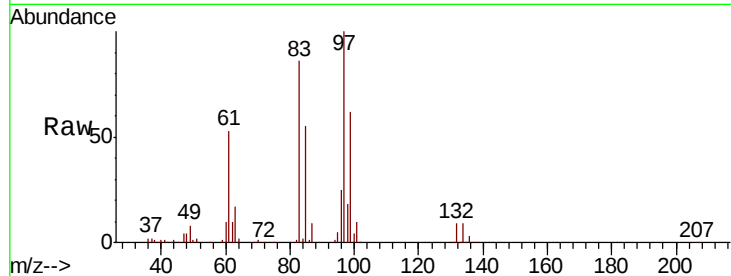


#55
 1,1,2-Trichloroethane
 Concen: 55.398 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MSD

Tot Ion: 97 Resp: 144679

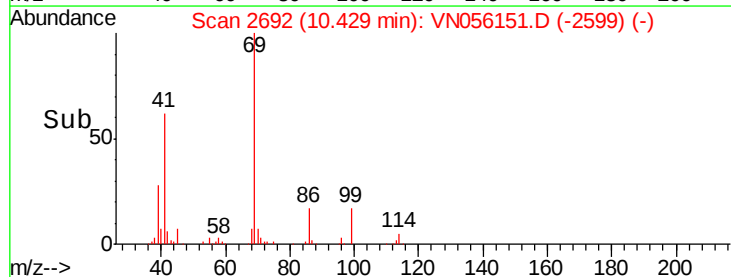
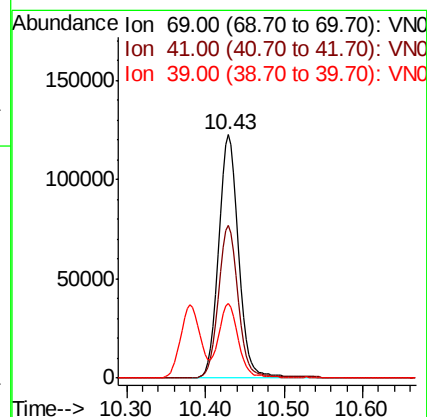
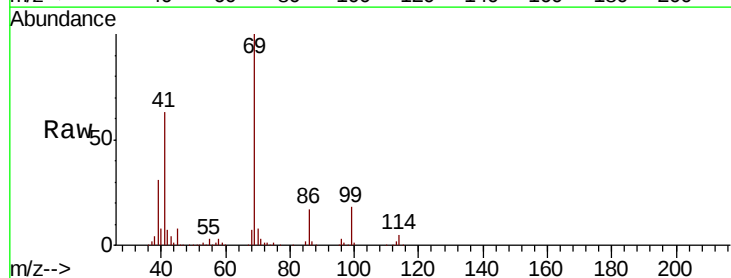
Ion	Ratio	Lower	Upper
97	100		
83	85.9	67.0	100.6
85	54.7	44.0	66.0
99	61.9	50.6	75.8

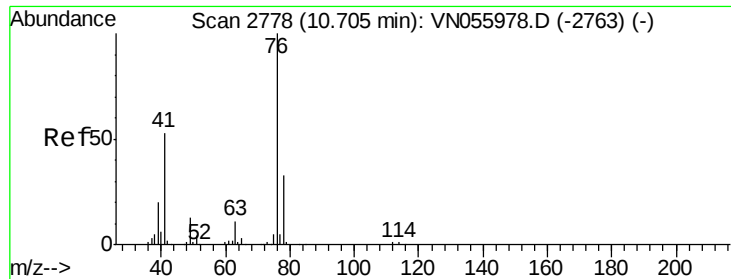


#56
 Ethyl methacrylate
 Concen: 56.296 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Tgt Ion: 69 Resp: 214494

Ion	Ratio	Lower	Upper
69	100		
41	60.9	49.7	74.5
39	30.2	24.7	37.1

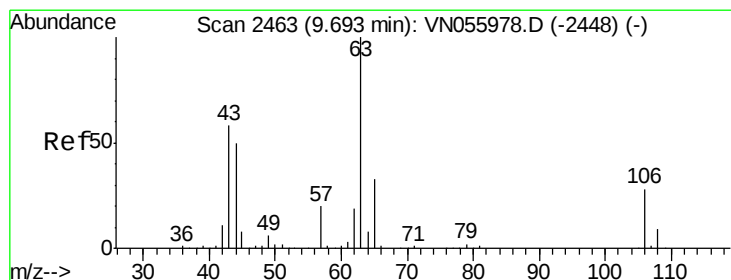
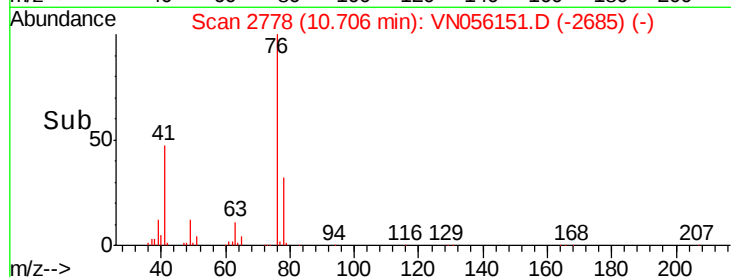
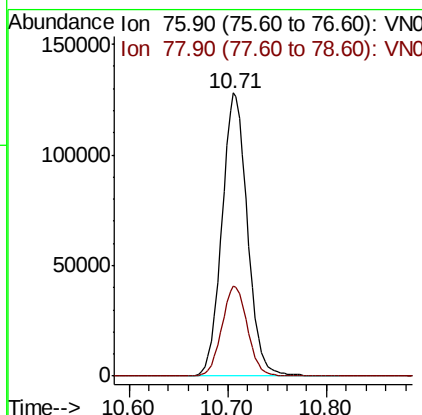
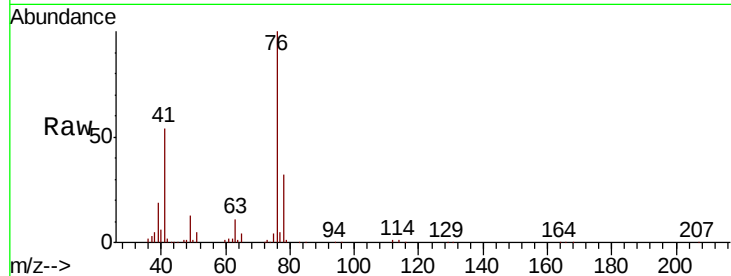




#57
 1,3-Dichloropropane
 Concen: 54.715 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

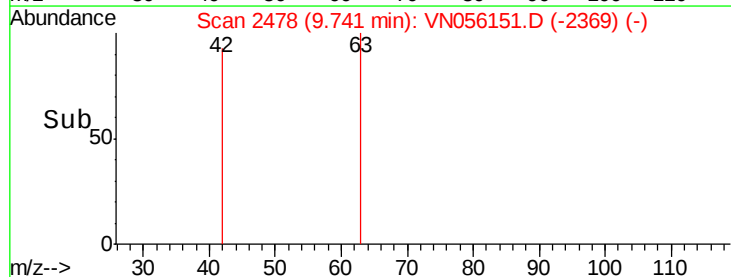
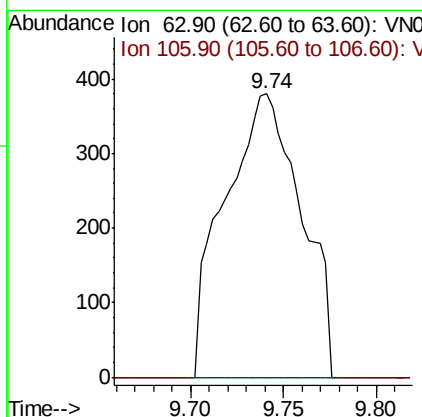
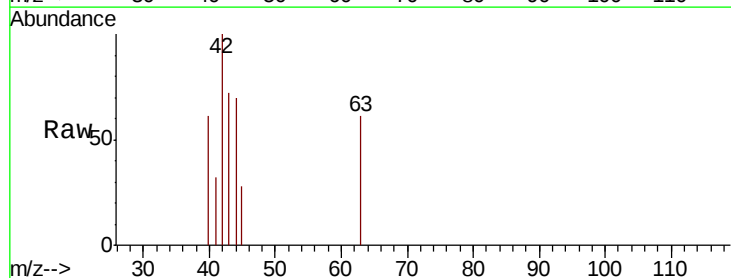
Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MSD

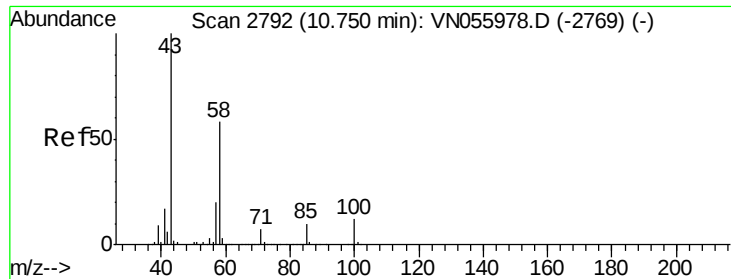
Tot Ion: 76 Resp: 232298
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 15.555 ug/l
 RT: 9.74 min Scan# 2478
 Delta R.T. 0.05 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Tgt Ion: 63 Resp: 1093
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.7 34.1#

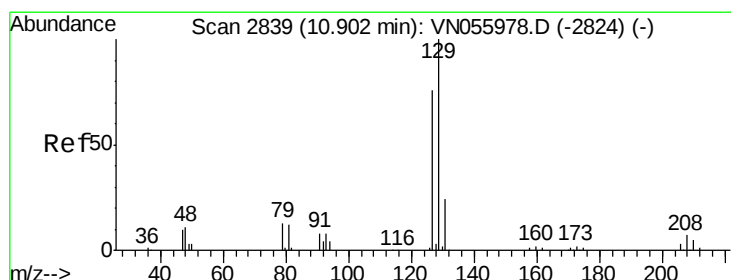
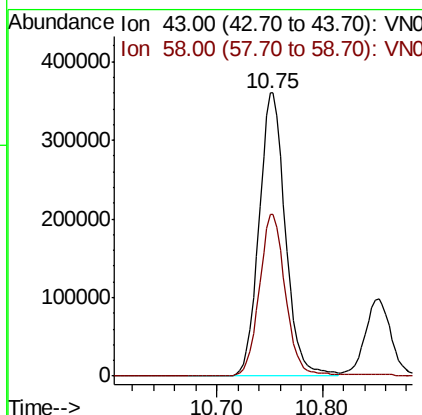
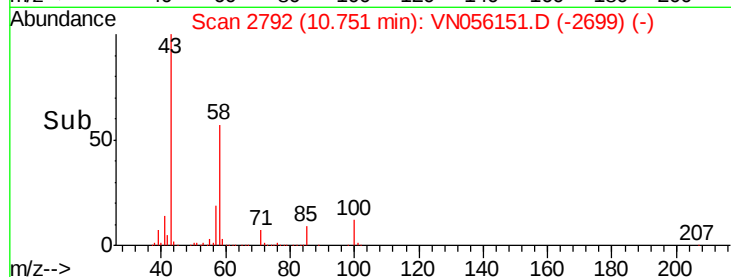
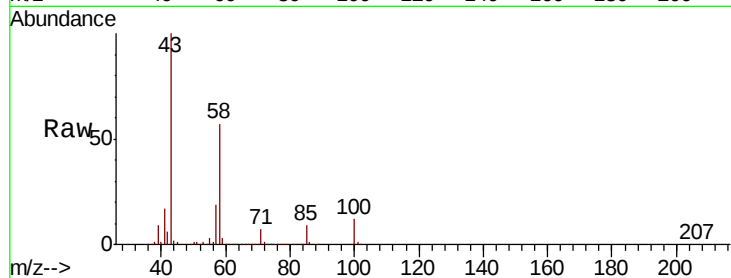




#59
2-Hexanone
Concen: 275.319 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

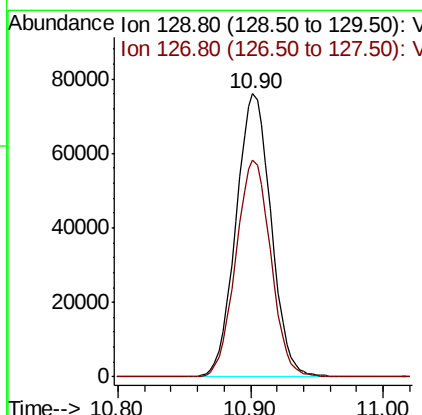
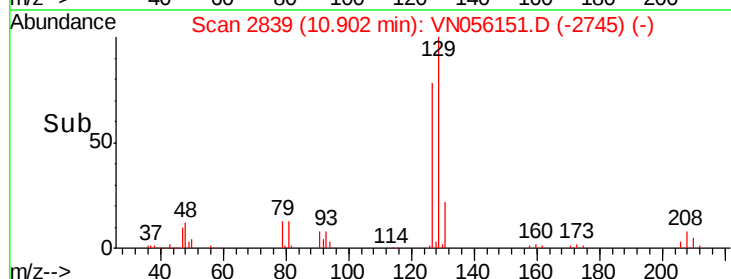
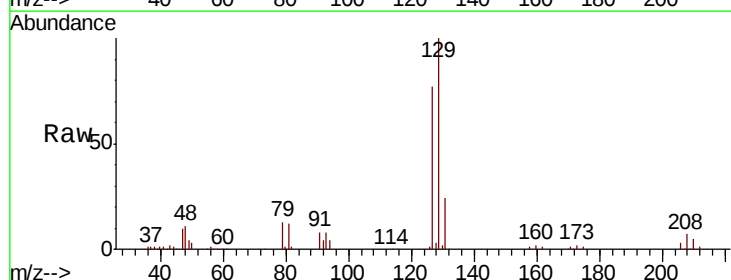
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

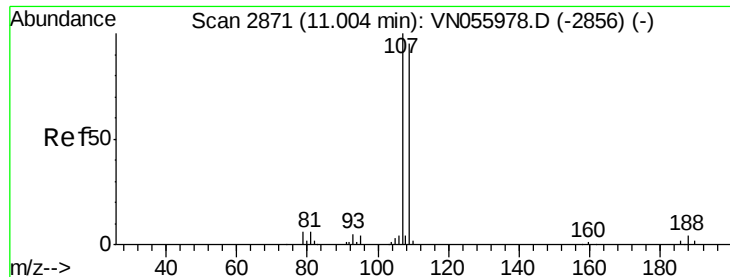
Tot Ion: 43 Resp: 627651
Ion Ratio Lower Upper
43 100
58 56.8 28.2 84.7



#60
Dibromochloromethane
Concen: 48.539 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion: 129 Resp: 139593
Ion Ratio Lower Upper
129 100
127 76.3 38.1 114.3





#61

1,2-Dibromoethane

Concen: 56.189 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

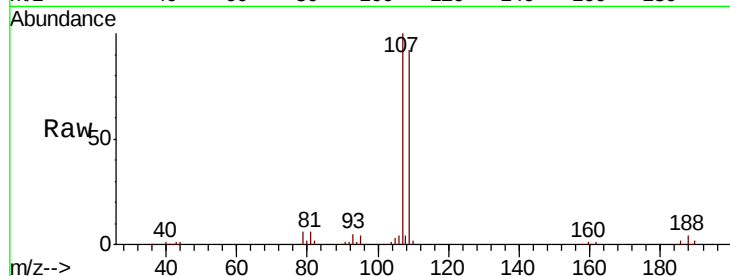
SP19-MMW-3414MSD

Tot Ion: 107 Resp: 150018

Ion Ratio Lower Upper

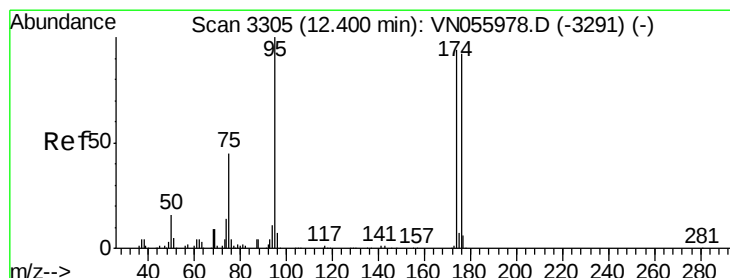
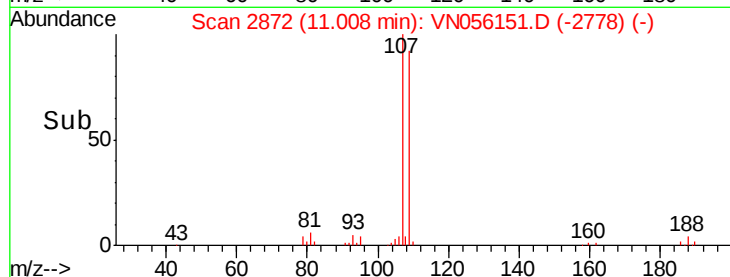
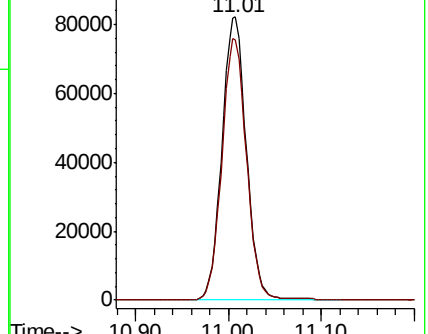
107 100

109 92.5 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.195 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

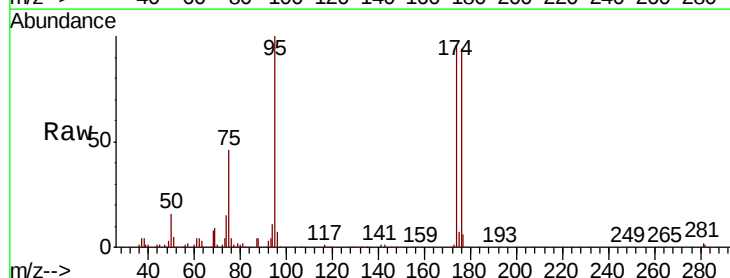
Tgt Ion: 95 Resp: 170016

Ion Ratio Lower Upper

95 100

174 96.3 0.0 191.0

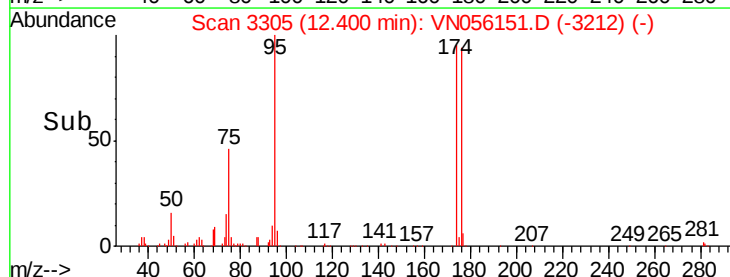
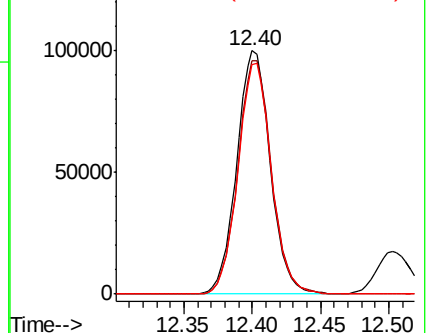
176 94.3 0.0 185.2

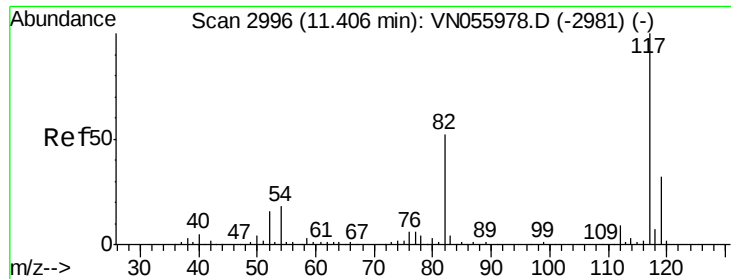


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

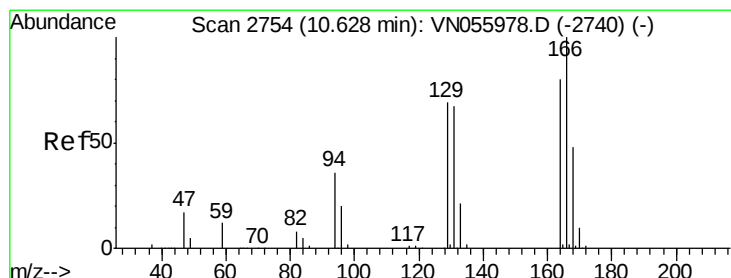
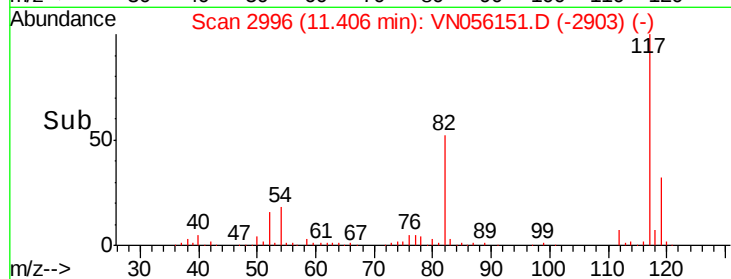
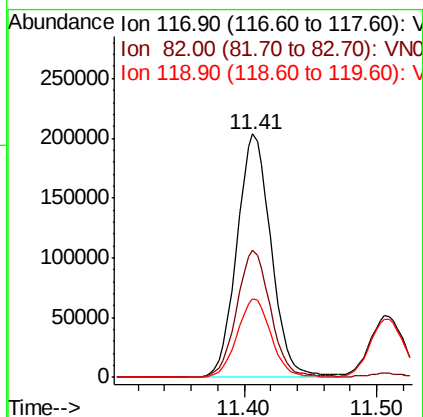
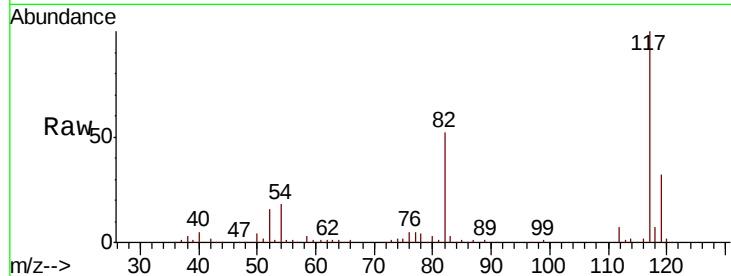




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

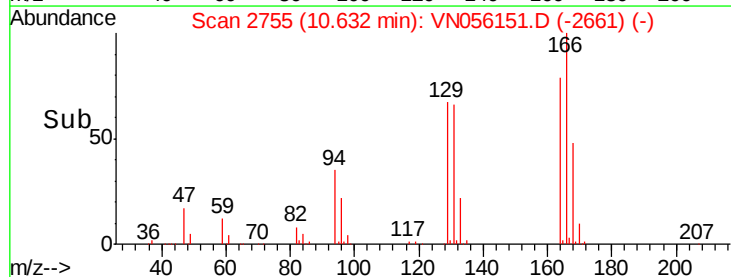
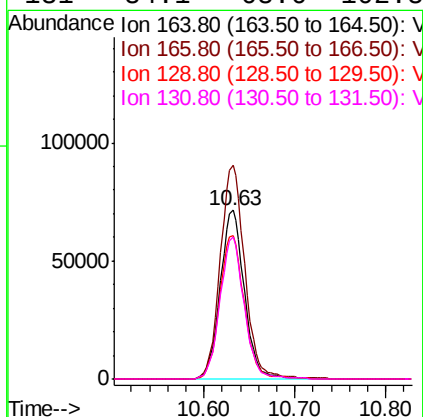
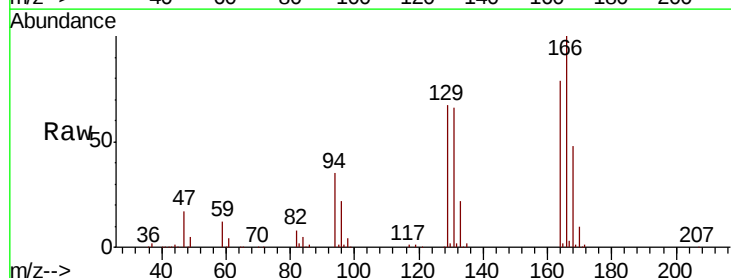
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

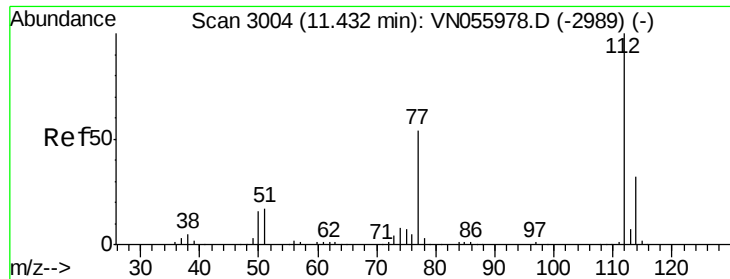
Tot Ion:117 Resp: 364606
Ion Ratio Lower Upper
117 100
82 52.0 41.8 62.8
119 32.1 25.4 38.0



#64
Tetrachloroethene
Concen: 41.867 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion:164 Resp: 132134
Ion Ratio Lower Upper
164 100
166 126.7 103.0 154.6
129 84.8 70.6 105.8
131 84.1 68.6 102.8

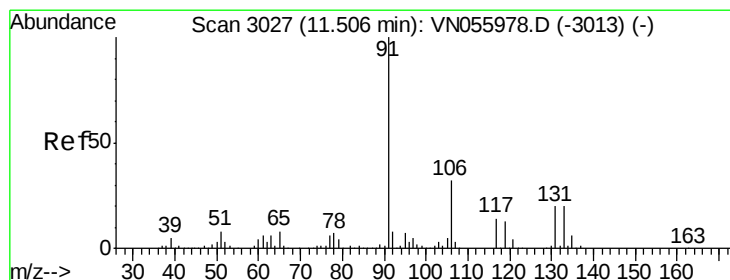
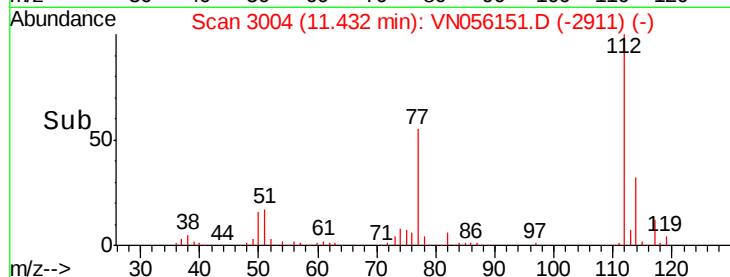
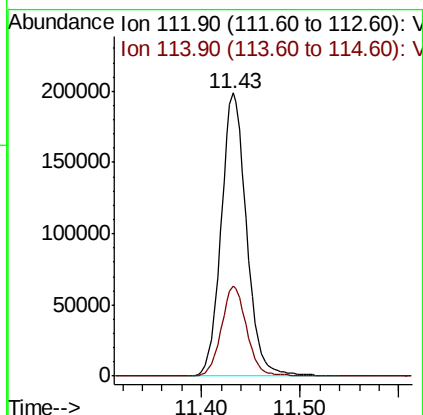
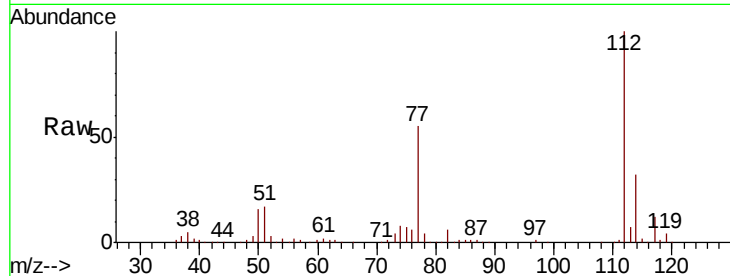




#65
Chlorobenzene
Concen: 49.174 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

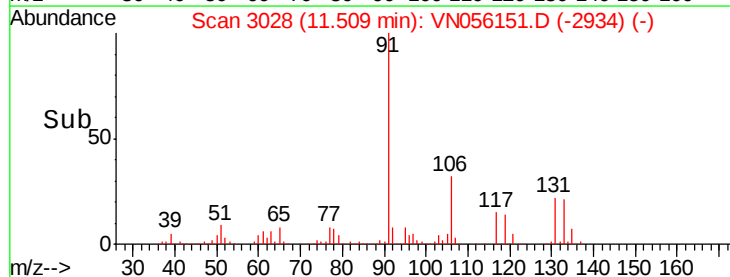
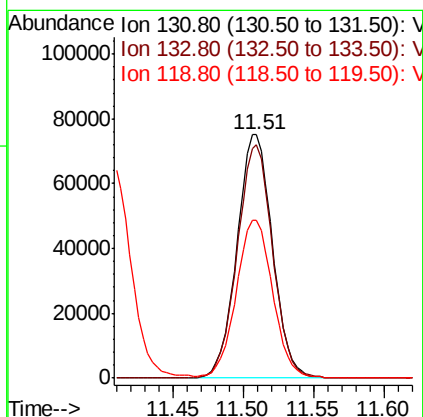
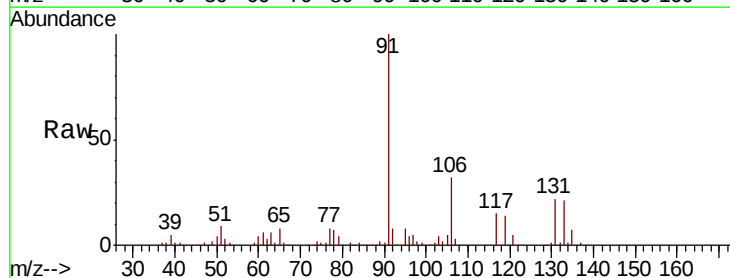
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

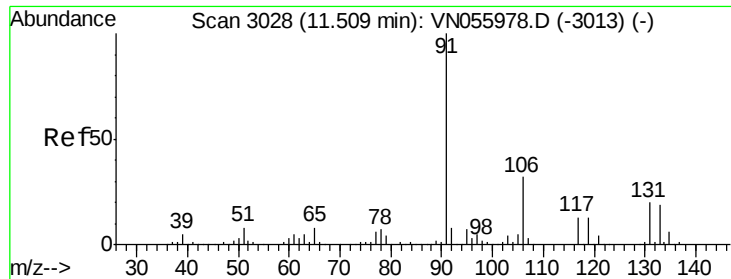
Tot Ion:112 Resp: 356826
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 52.850 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion:131 Resp: 132417
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 66.8 33.1 99.5

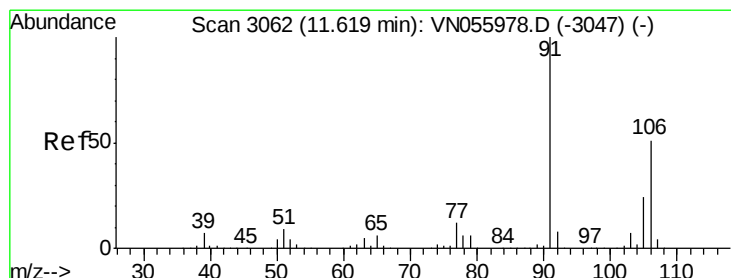
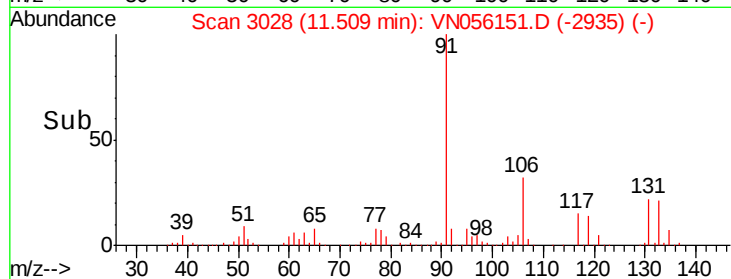
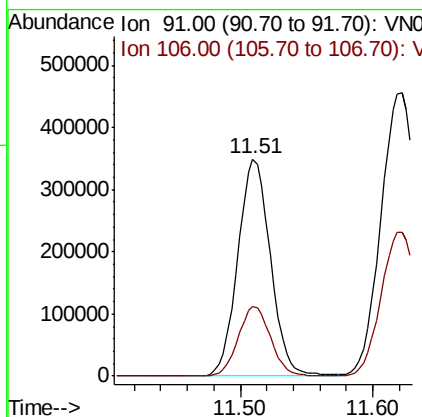
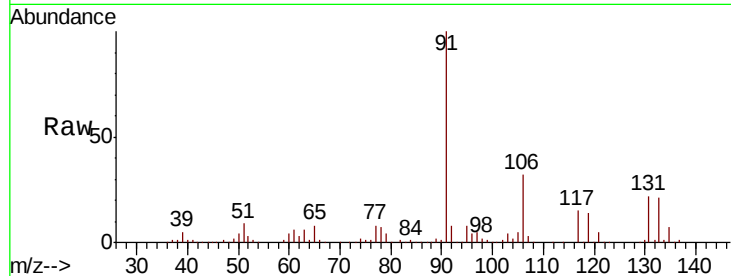




#67
Ethyl Benzene
Concen: 47.448 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

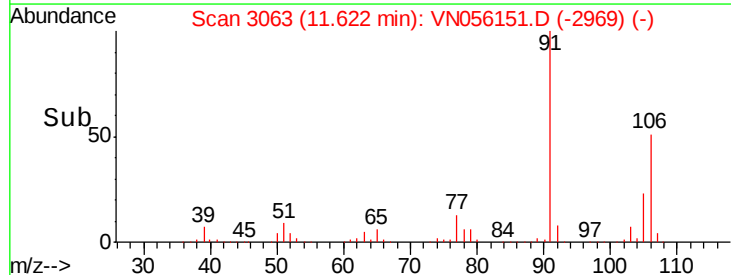
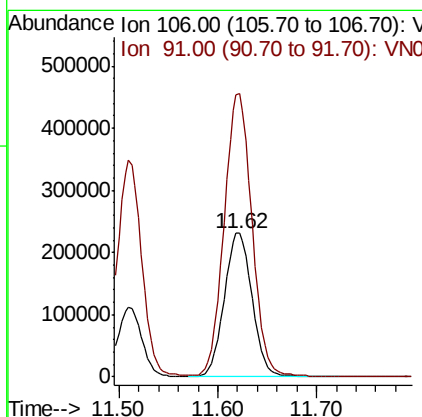
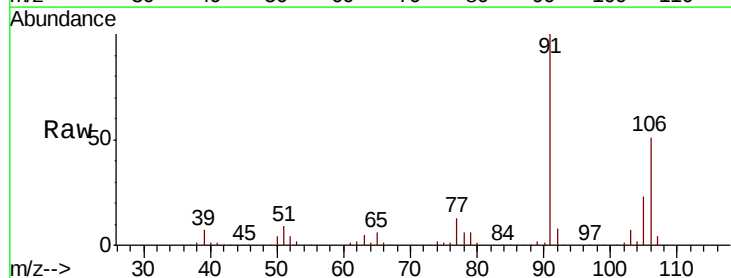
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

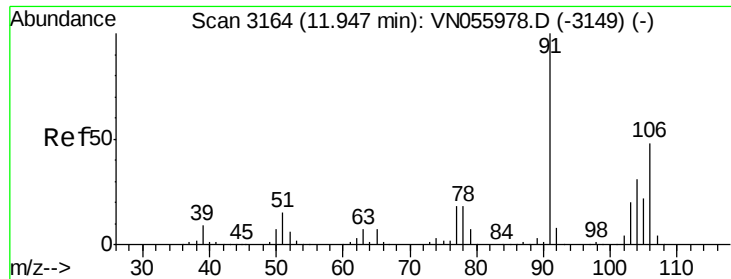
Tot Ion: 91 Resp: 598683
Ion Ratio Lower Upper
91 100
106 32.2 25.1 37.7



#68
m/p-Xylenes
Concen: 95.150 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion: 106 Resp: 458631
Ion Ratio Lower Upper
106 100
91 196.8 159.3 238.9

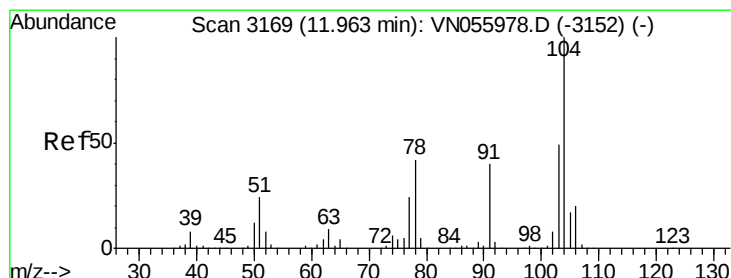
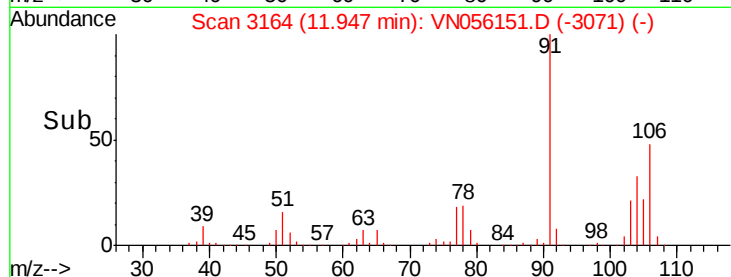
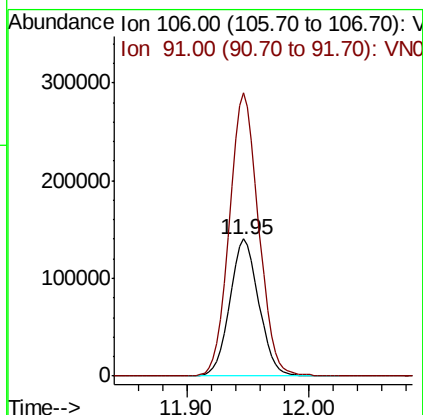
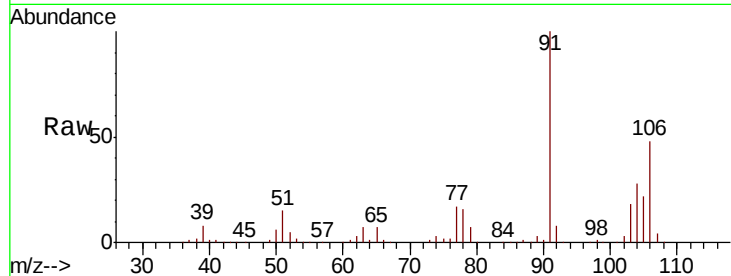




#69
o-Xylene
Concen: 49.061 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

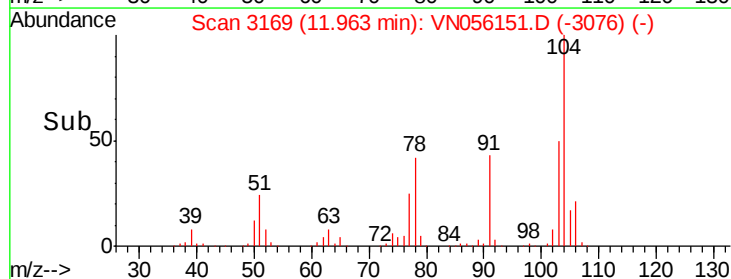
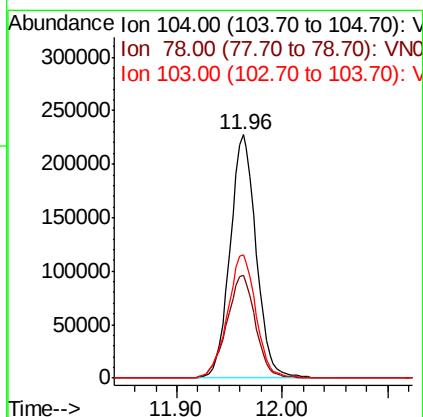
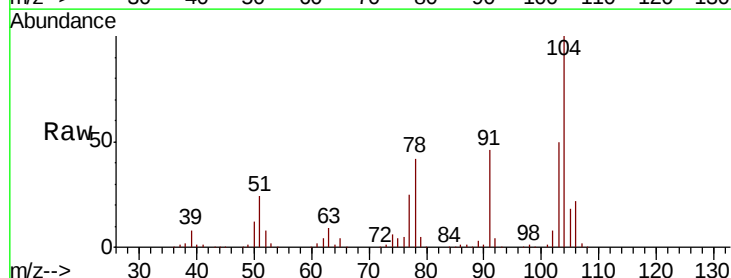
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

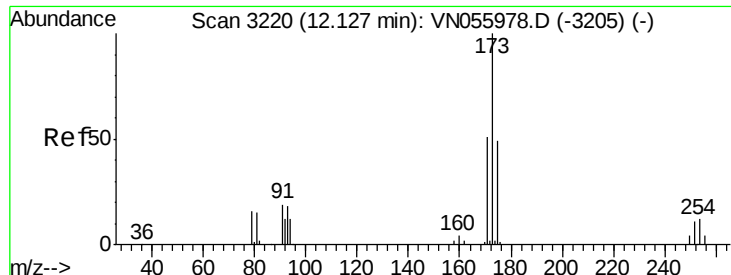
Tot Ion:106 Resp: 232617
Ion Ratio Lower Upper
106 100
91 208.2 104.7 314.1



#70
Styrene
Concen: 51.694 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion:104 Resp: 389429
Ion Ratio Lower Upper
104 100
78 46.4 37.8 56.6
103 55.2 44.2 66.2

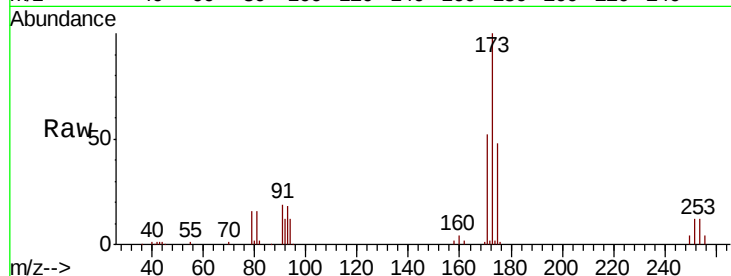




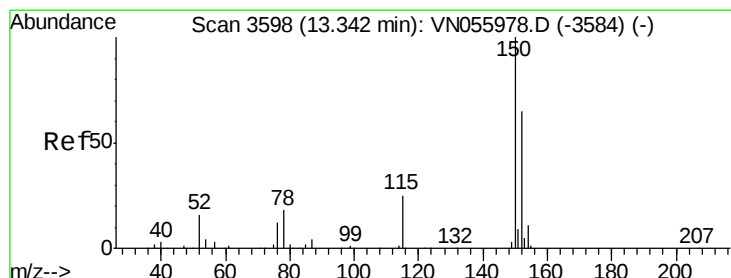
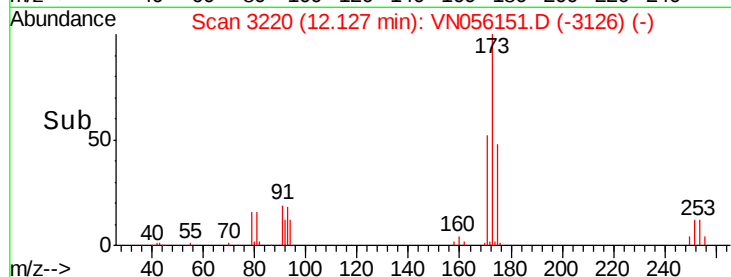
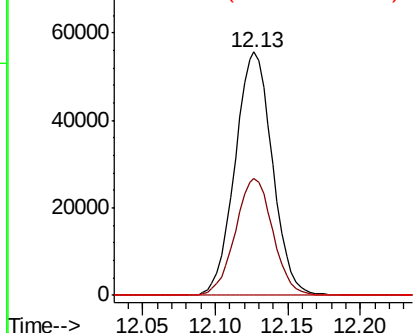
#71
Bromoform
Concen: 47.331 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion:173 Resp: 99237
Ion Ratio Lower Upper
173 100
175 48.4 24.3 72.8
254 0.0 0.0 0.0

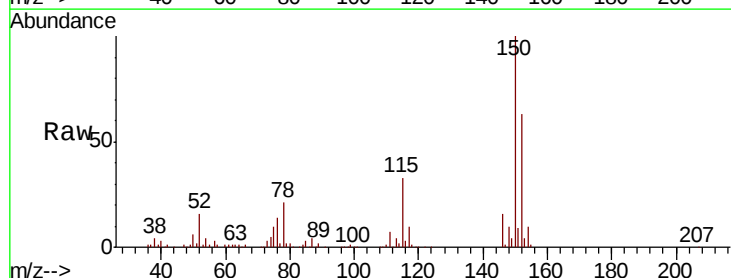


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

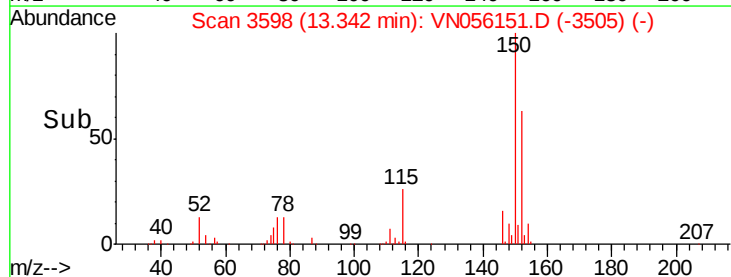
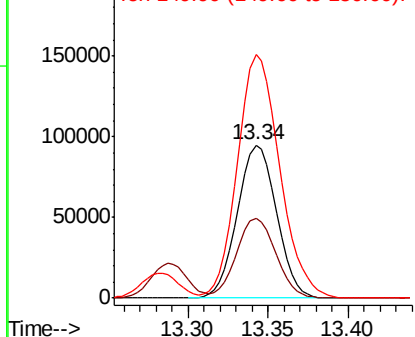


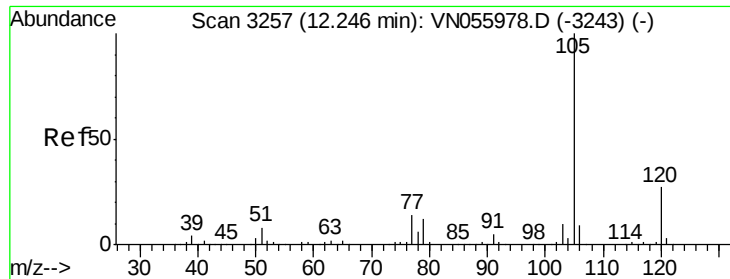
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion:152 Resp: 158933
Ion Ratio Lower Upper
152 100
115 52.1 27.0 81.0
150 171.6 0.0 343.2



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: 51.458 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

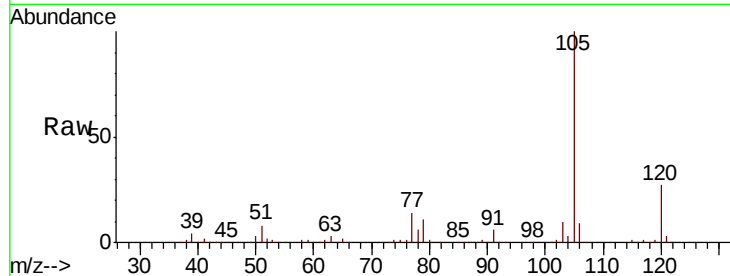
SP19-MMW-3414MSD

Tot Ion:105 Resp: 582158

Ion Ratio Lower Upper

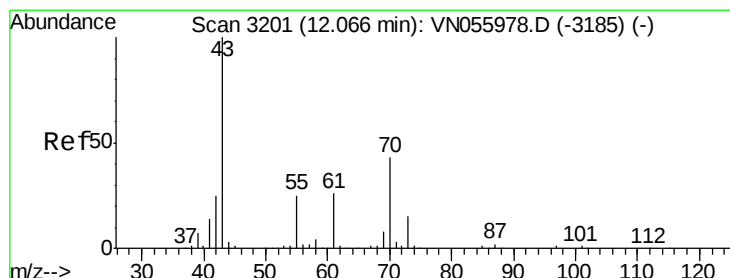
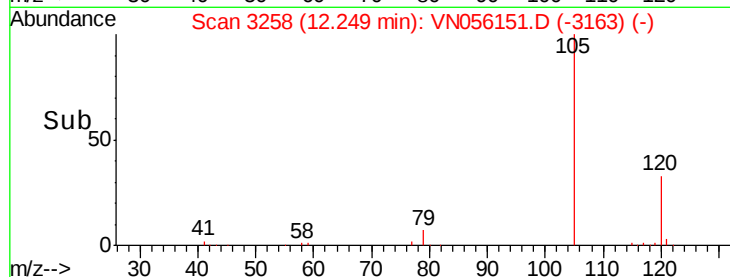
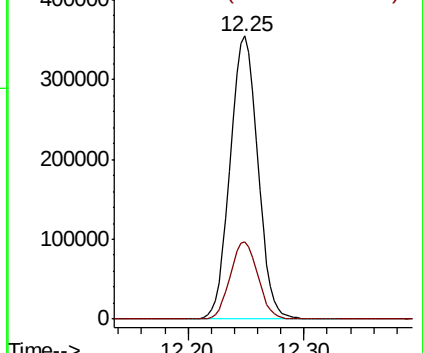
105 100

120 27.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 36.843 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Tgt Ion: 43 Resp: 156090

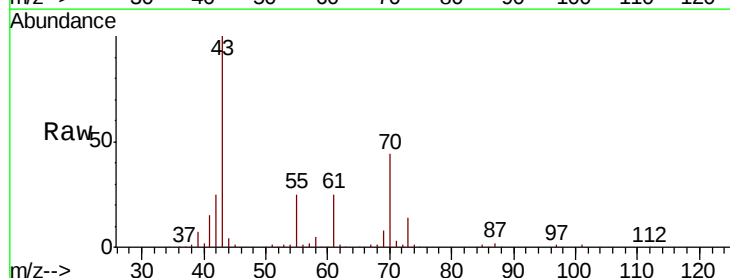
Ion Ratio Lower Upper

43 100

70 43.5 34.0 51.0

55 25.2 18.6 28.0

61 24.7 20.0 30.0

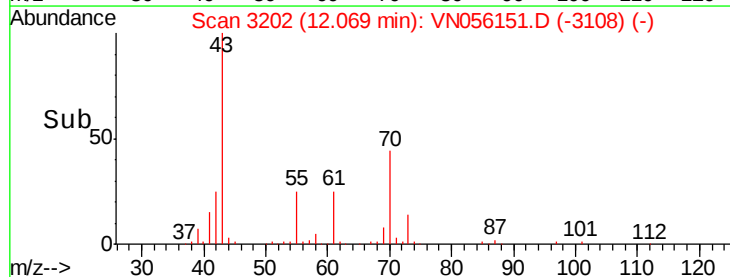
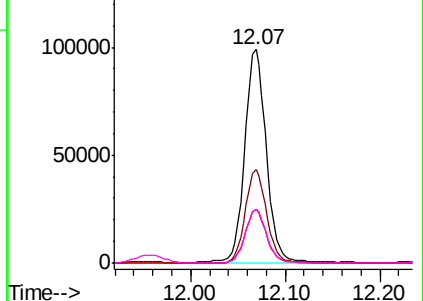


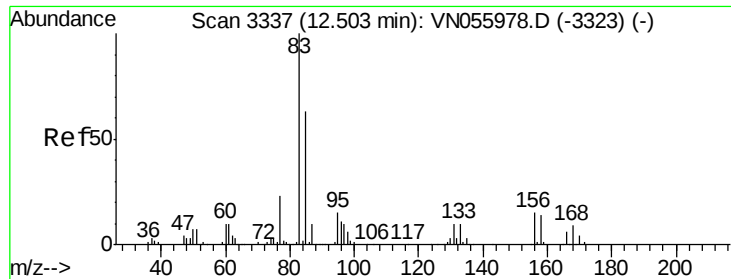
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.736 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

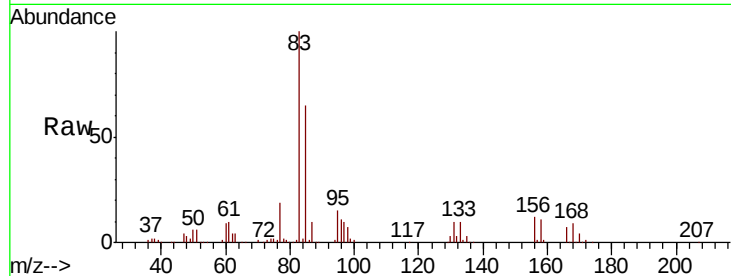
Tot Ion: 83 Resp: 201950

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.4	16.2
85	65.1	32.4	97.0

83 100

131 10.6 5.4 16.2

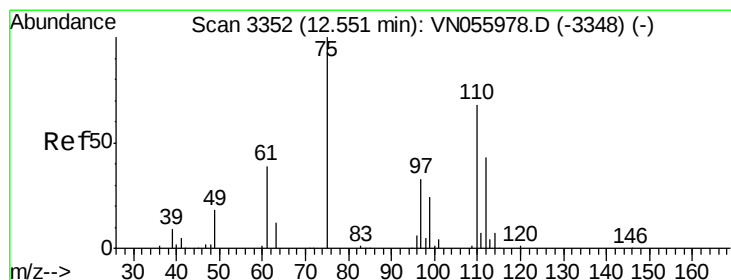
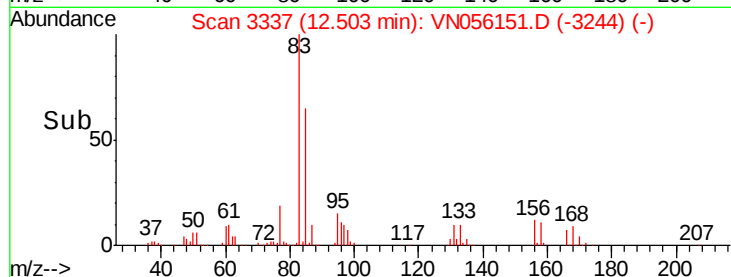
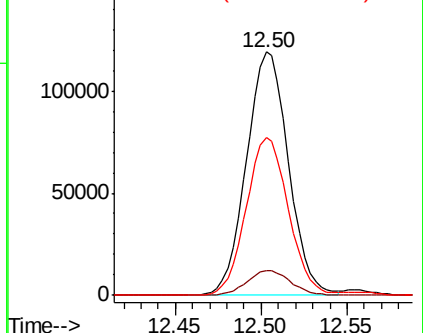
85 65.1 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 73.744 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056151.D

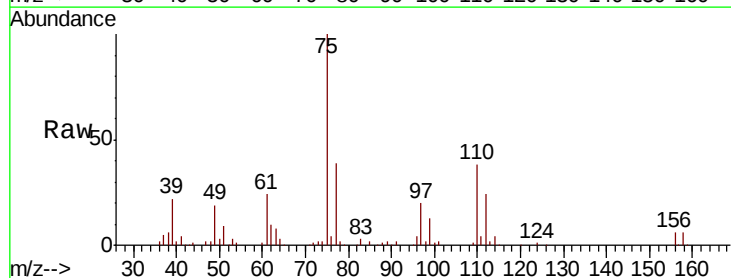
Acq: 8 Jun 2019 14:07

Tgt Ion: 75 Resp: 215660

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

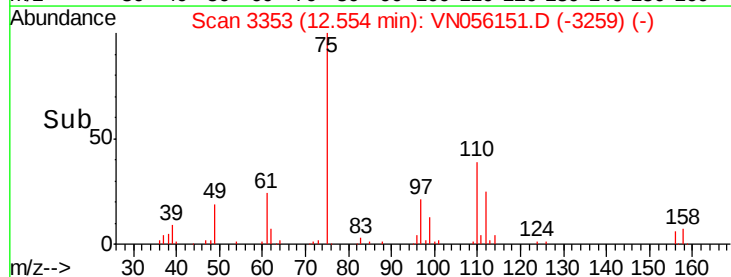
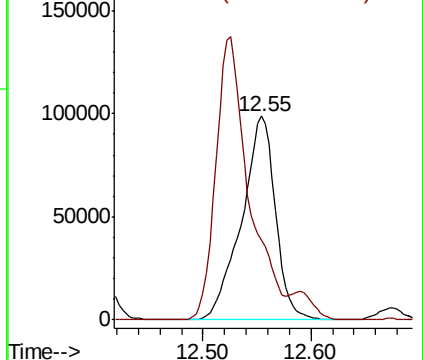
75 100

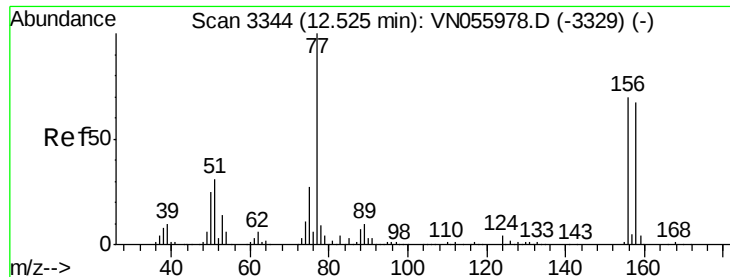
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

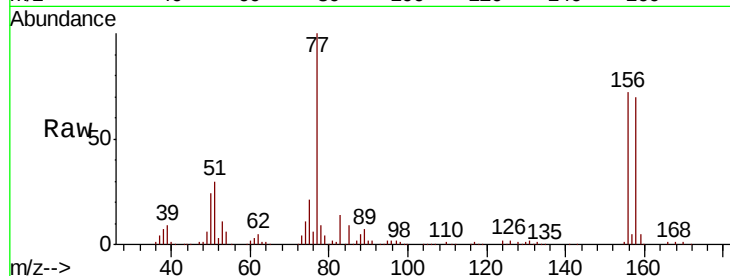




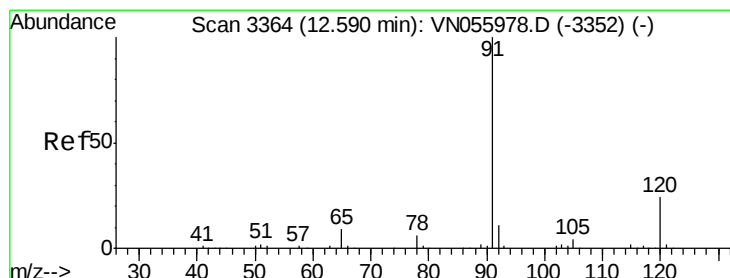
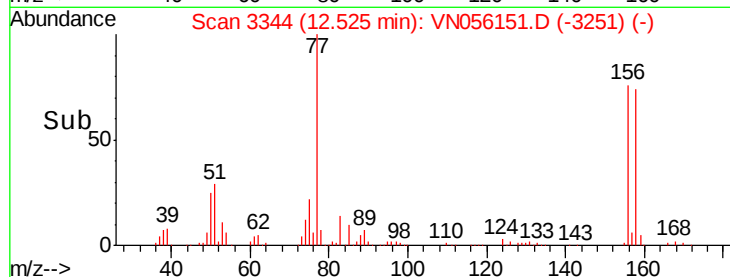
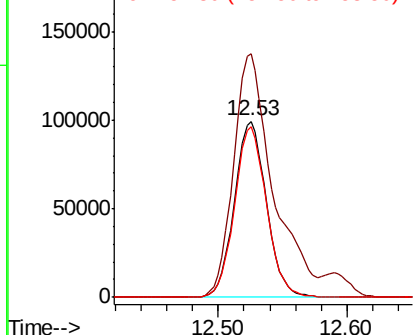
#77
Bromobenzene
Concen: 50.348 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion:156 Resp: 171319
Ion Ratio Lower Upper
156 100
77 171.1 90.8 272.5
158 96.8 49.3 147.8

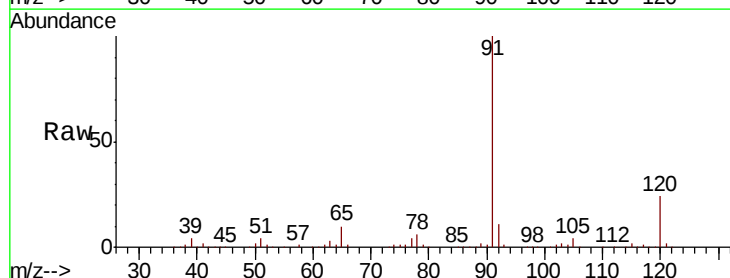


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

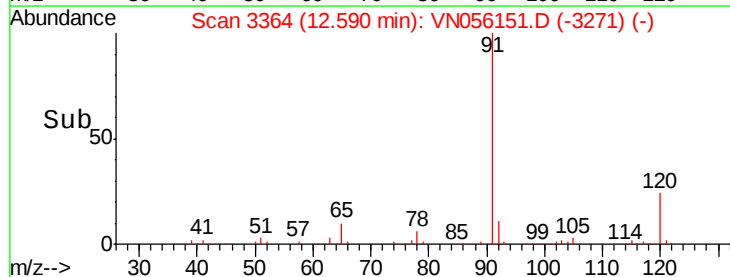
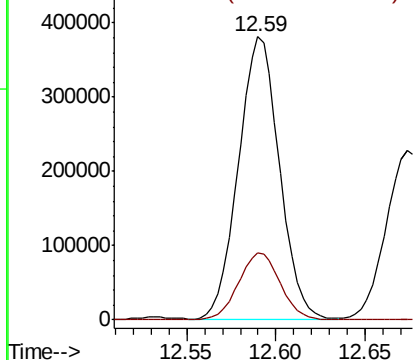


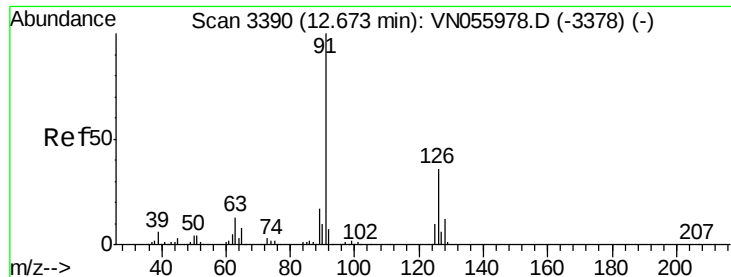
#78
n-propylbenzene
Concen: 45.306 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion: 91 Resp: 609171
Ion Ratio Lower Upper
91 100
120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.099 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

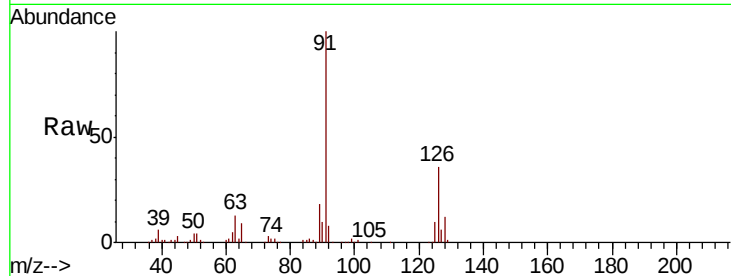
SP19-MMW-3414MSD

Tot Ion: 91 Resp: 387819

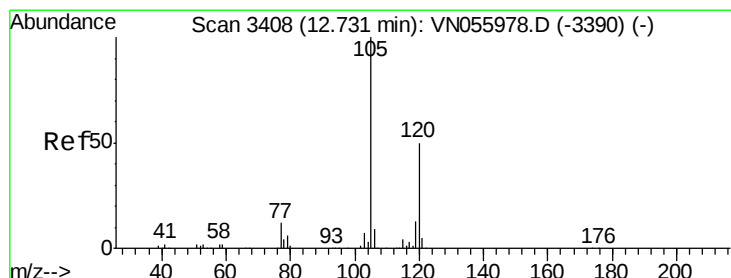
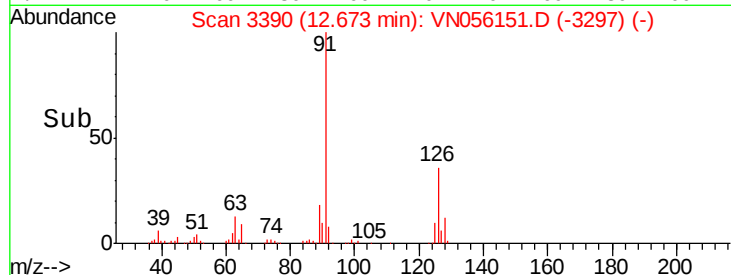
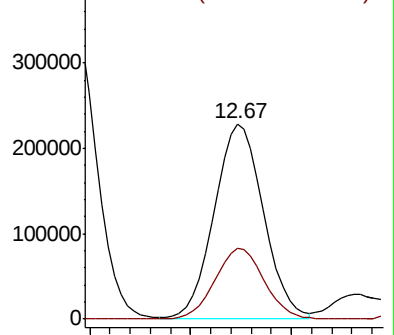
Ion Ratio Lower Upper

91 100

126 36.7 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.148 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056151.D

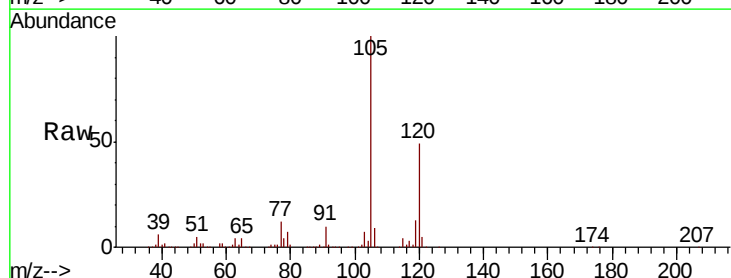
Acq: 8 Jun 2019 14:07

Tgt Ion: 105 Resp: 482452

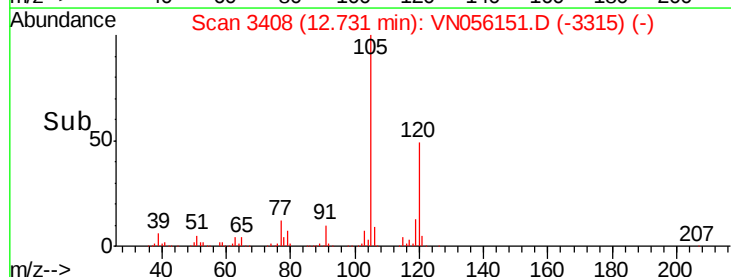
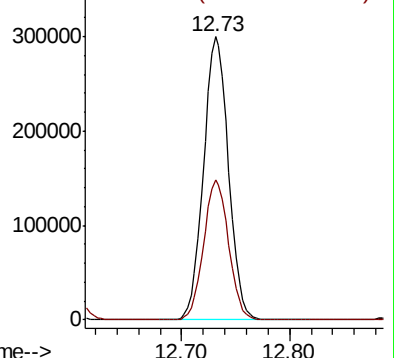
Ion Ratio Lower Upper

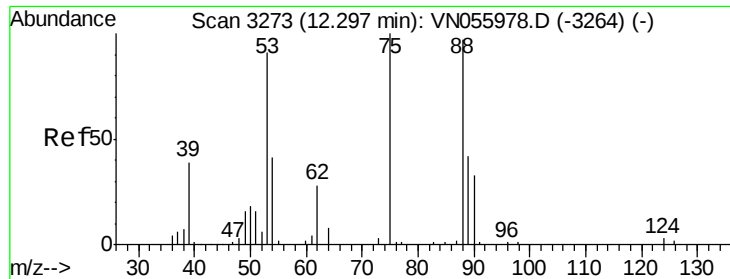
105 100

120 49.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 38.605 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

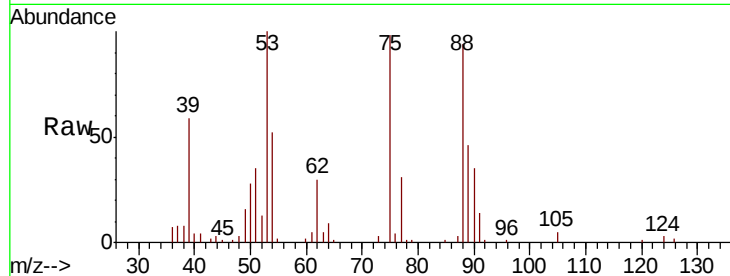
Tot Ion: 75 Resp: 33901

Ion Ratio Lower Upper

75 100

53 101.9 68.1 102.1

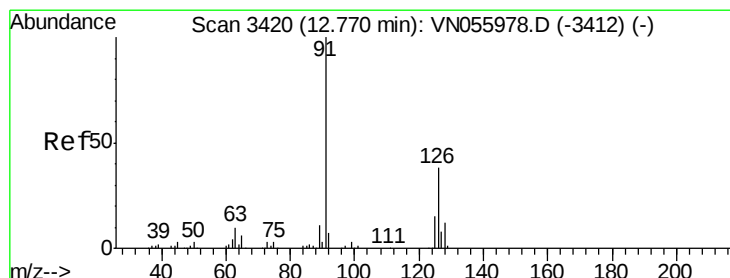
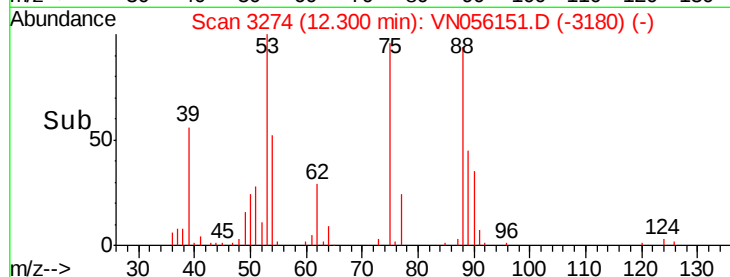
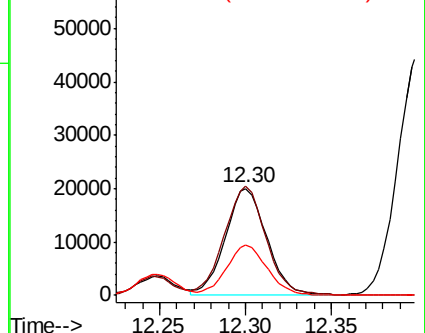
89 46.0 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 46.972 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056151.D

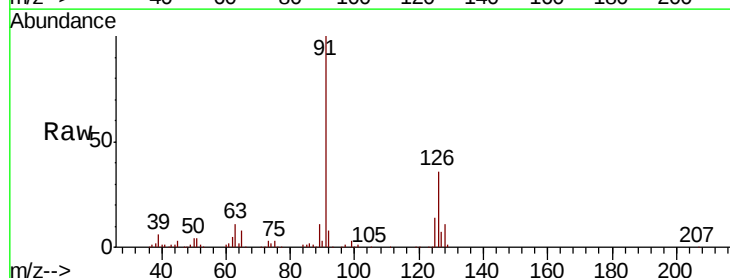
Acq: 8 Jun 2019 14:07

Tgt Ion: 91 Resp: 369493

Ion Ratio Lower Upper

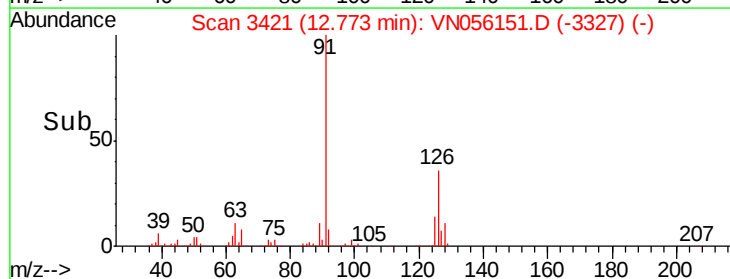
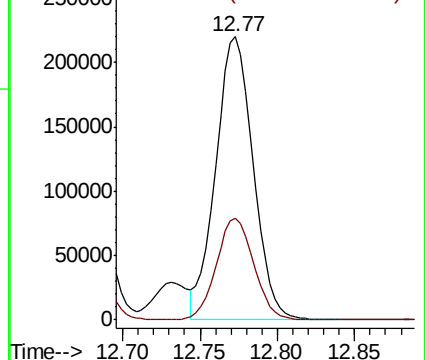
91 100

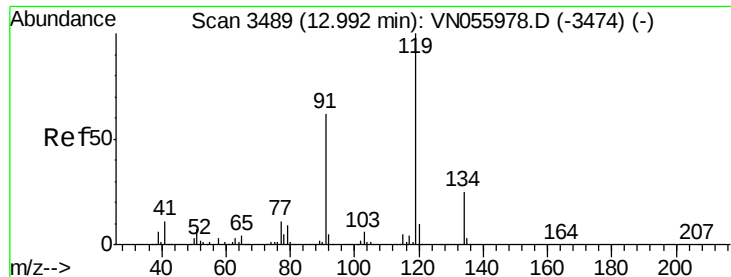
126 36.0 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

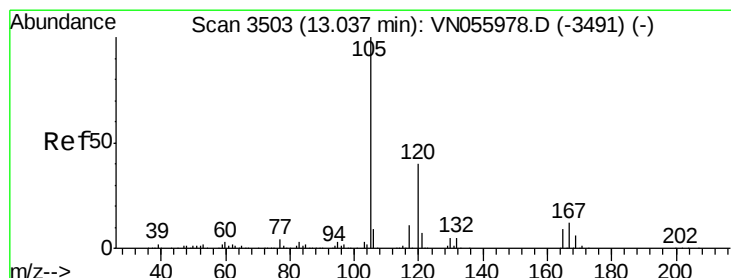
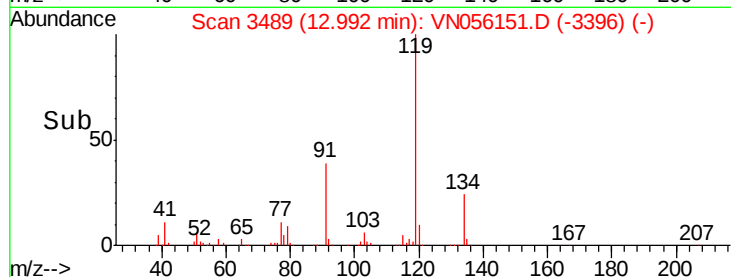
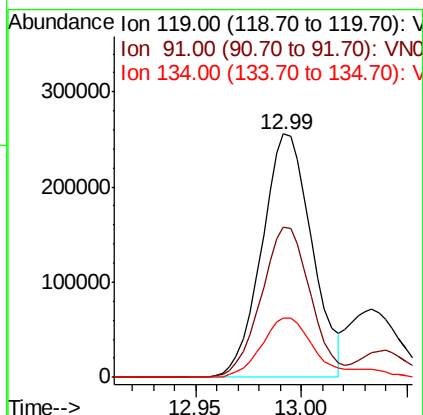
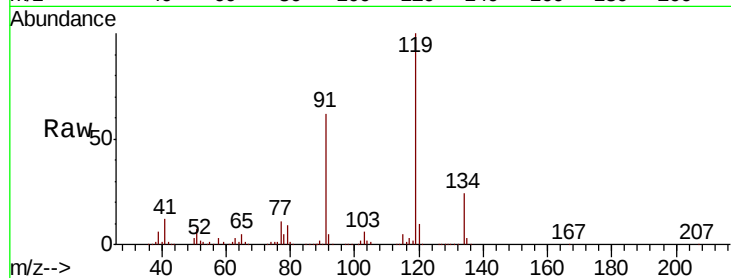




#83
tert-Butylbenzene
Concen: 50.941 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

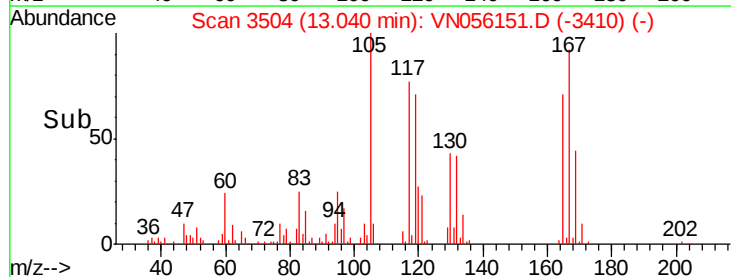
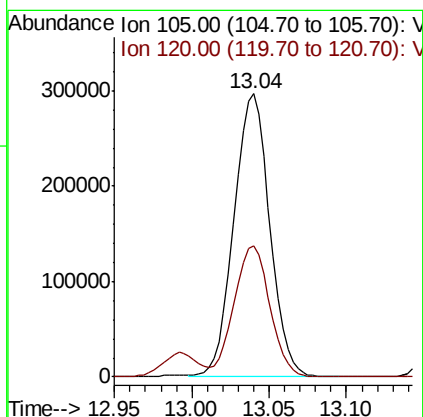
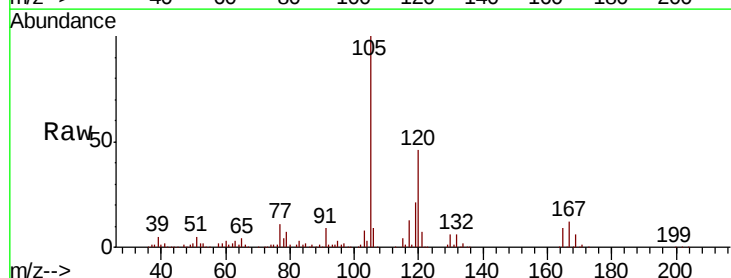
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

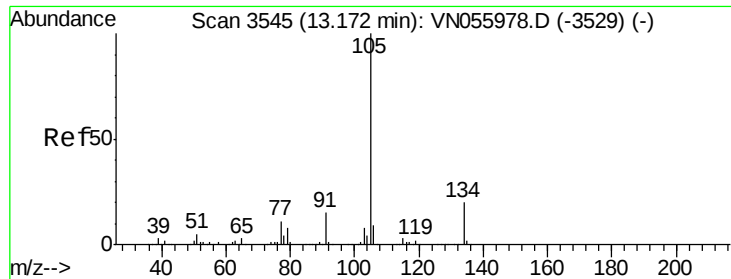
Tot Ion:119 Resp: 421936
Ion Ratio Lower Upper
119 100
91 60.8 30.9 92.8
134 27.4 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 46.934 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion:105 Resp: 475613
Ion Ratio Lower Upper
105 100
120 46.6 23.0 69.0

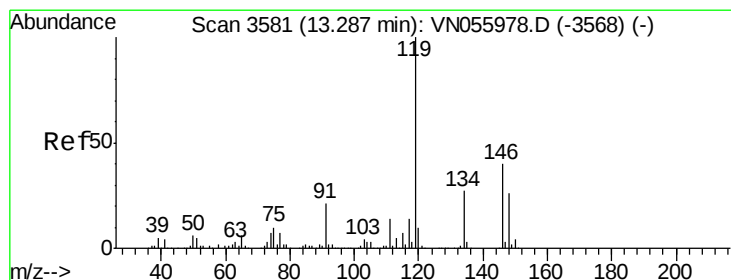
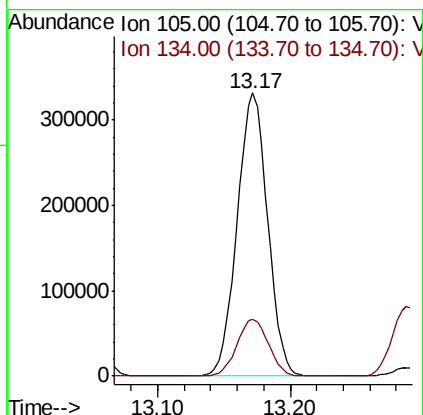
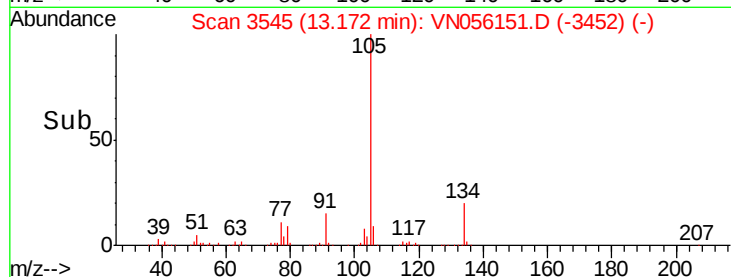
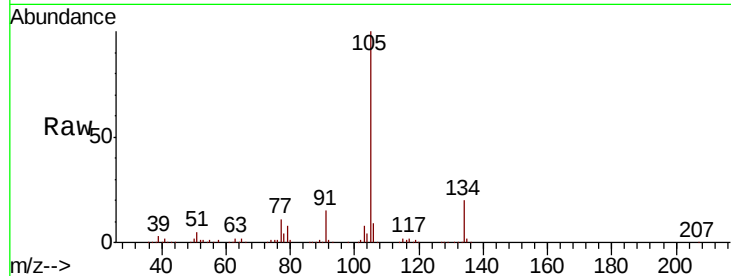




#85
 sec-Butylbenzene
 Concen: 44.364 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

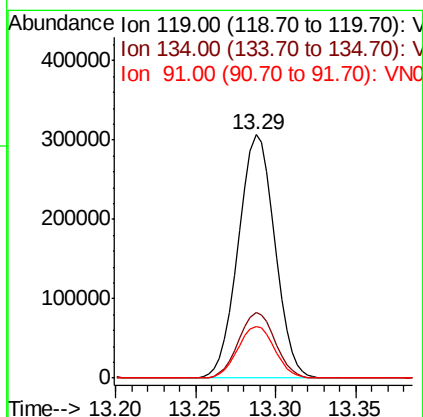
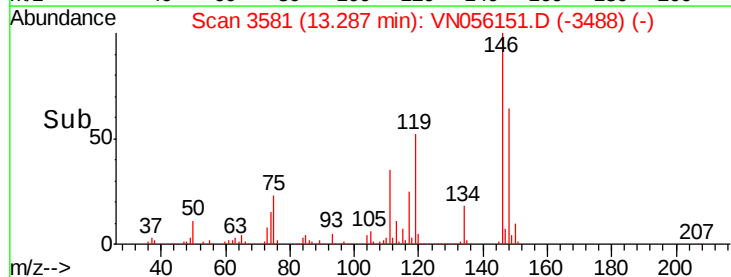
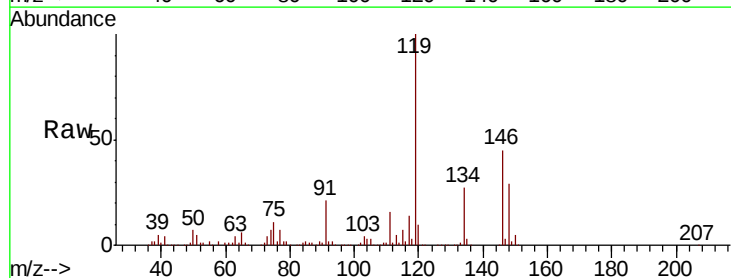
Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MSD

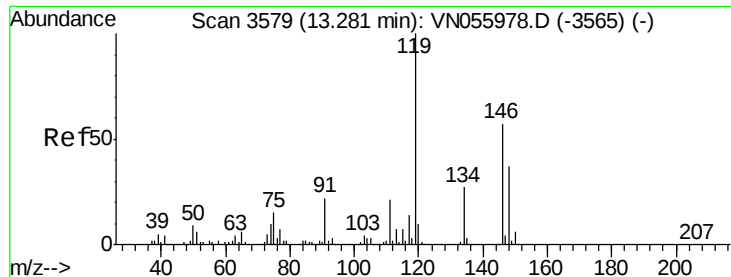
Tot Ion:105 Resp: 528258
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 44.552 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Tgt Ion:119 Resp: 474773
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.4 40.1
 91 21.6 10.9 32.9

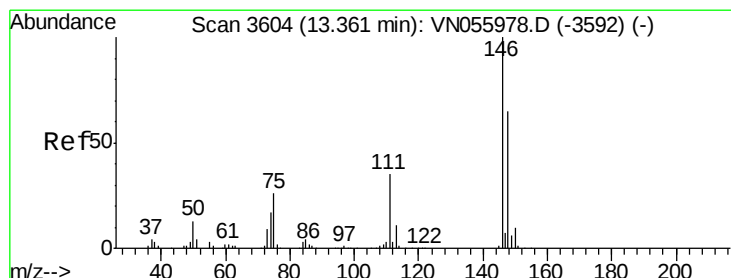
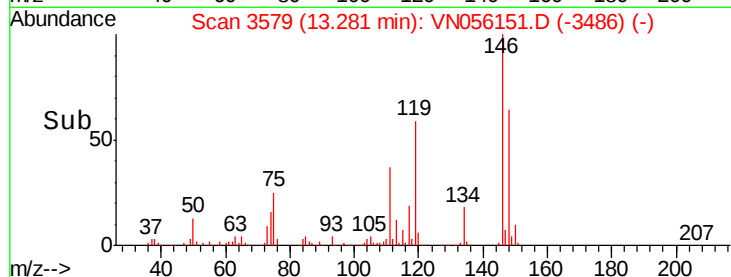
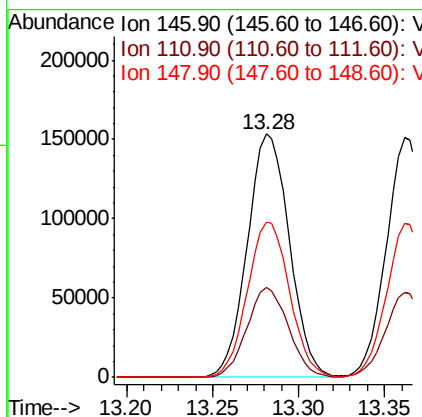
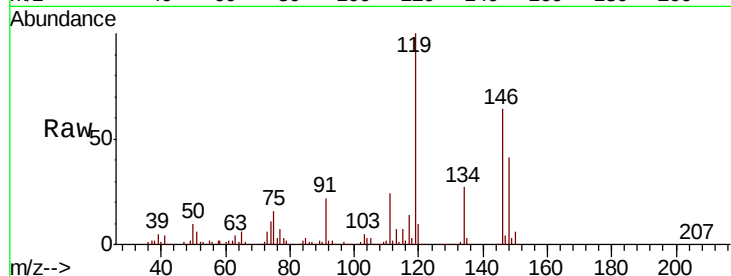




#87
 1,3-Dichlorobenzene
 Concen: 49.423 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

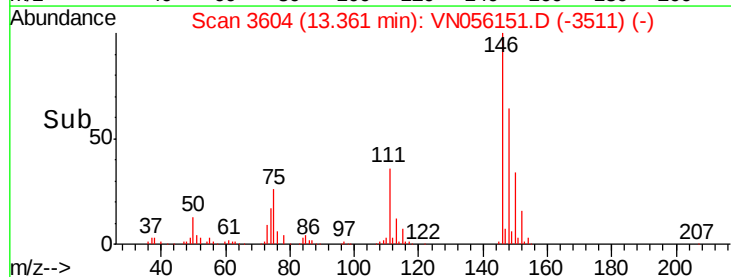
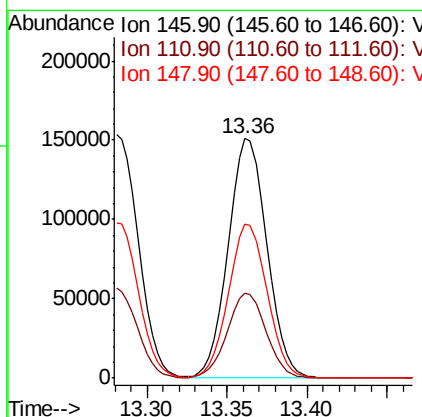
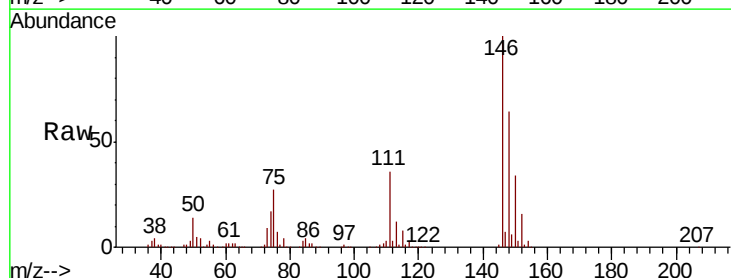
Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MSD

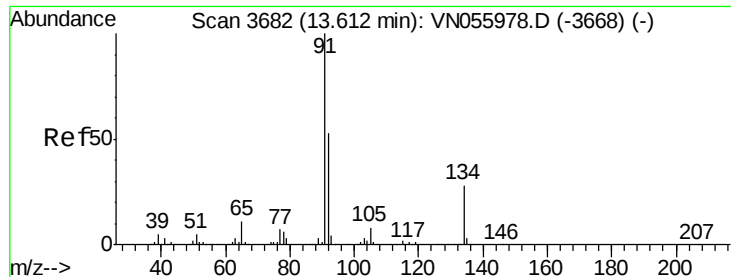
Tot Ion:146 Resp: 260282
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.5 55.5
 148 63.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 49.191 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Tgt Ion:146 Resp: 249203
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.1 54.4
 148 64.3 32.1 96.5

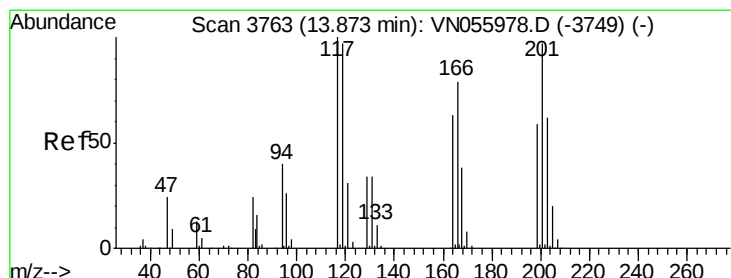
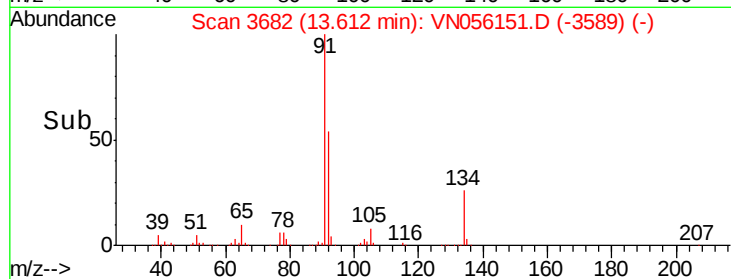
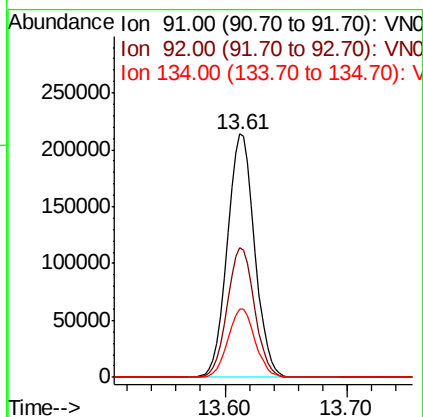
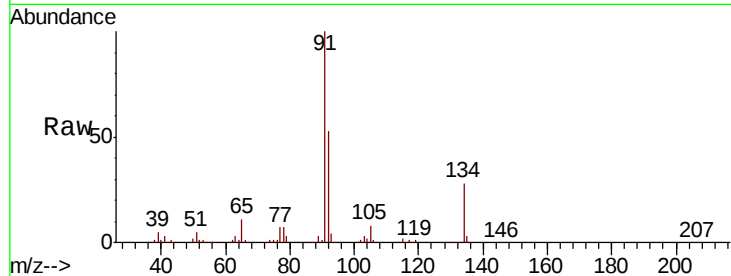




#89
n-Butylbenzene
Concen: 42.437 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

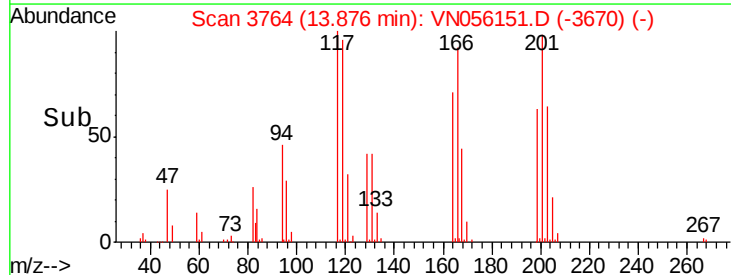
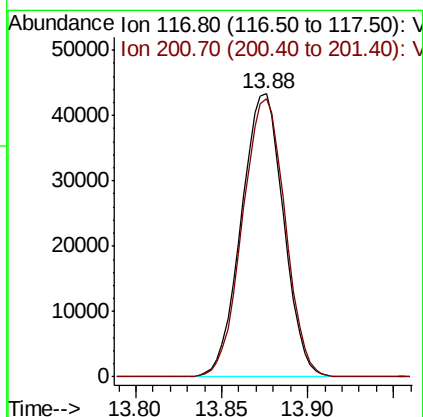
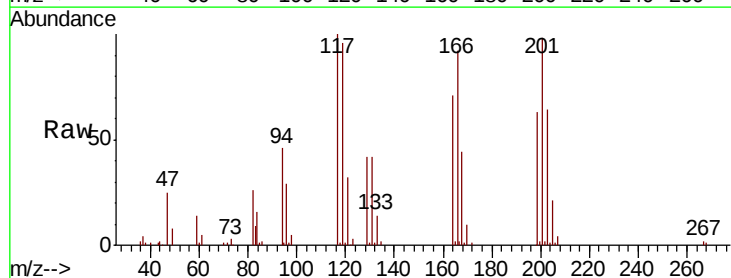
Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

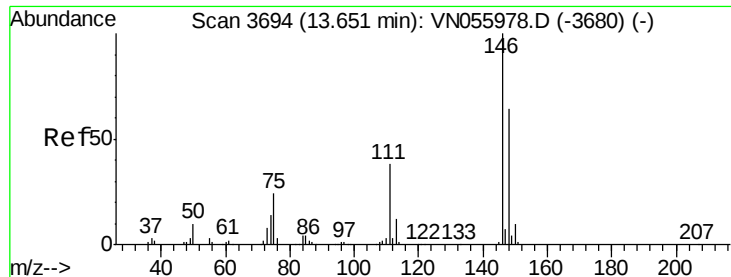
Tot Ion: 91 Resp: 335010
Ion Ratio Lower Upper
91 100
92 53.1 26.4 79.0
134 28.0 13.9 41.7



#90
Hexachloroethane
Concen: 46.076 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion: 117 Resp: 74050
Ion Ratio Lower Upper
117 100
201 99.0 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 50.813 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

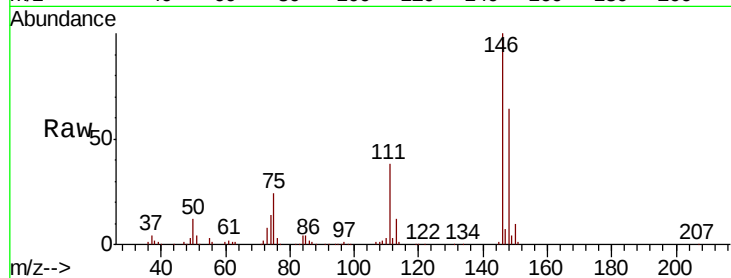
Tot Ion:146 Resp: 270175

Ion Ratio Lower Upper

146 100

111 37.6 19.1 57.5

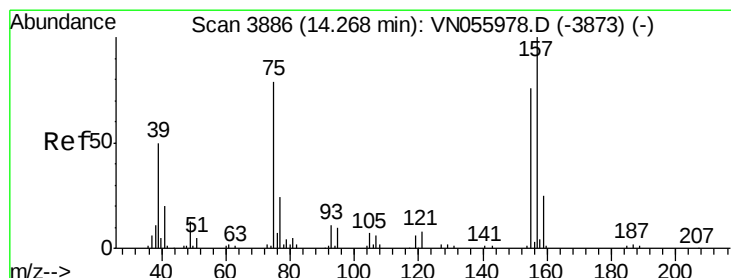
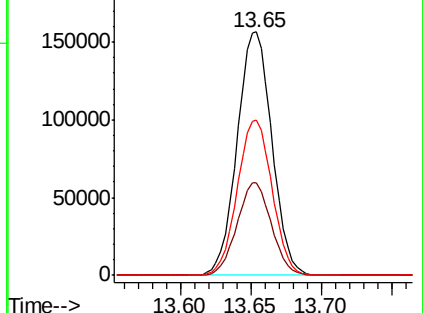
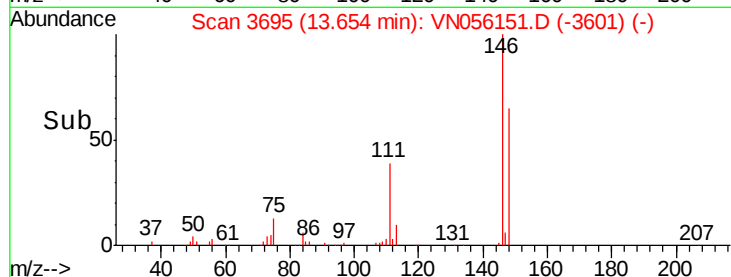
148 63.8 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.079 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

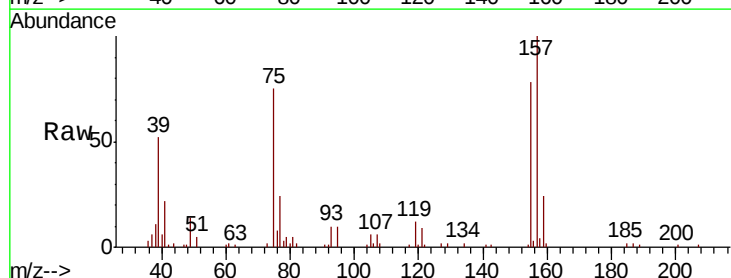
Tgt Ion: 75 Resp: 29066

Ion Ratio Lower Upper

75 100

155 106.8 50.0 150.1

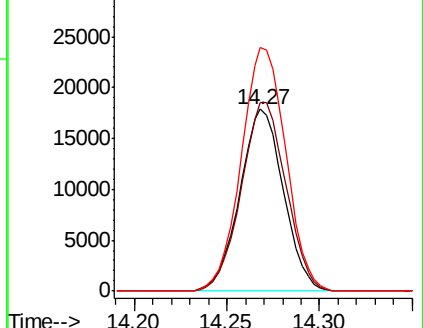
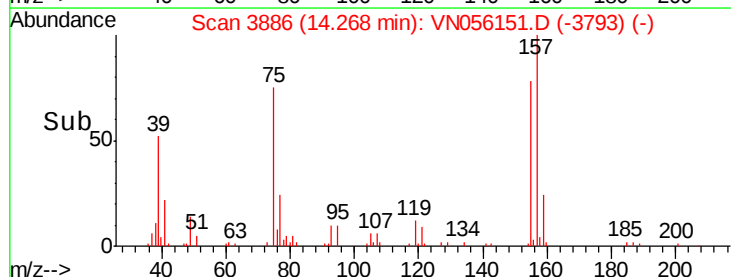
157 137.2 64.8 194.3

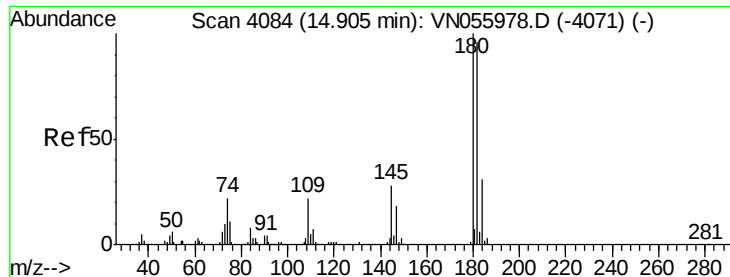


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

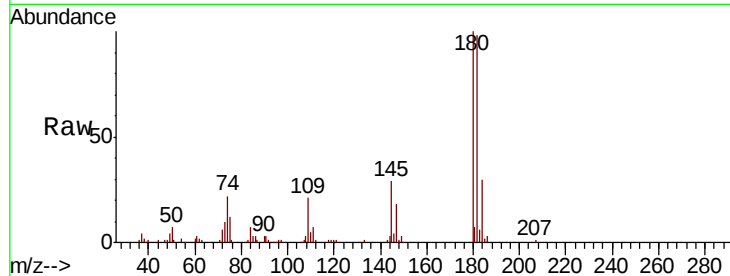




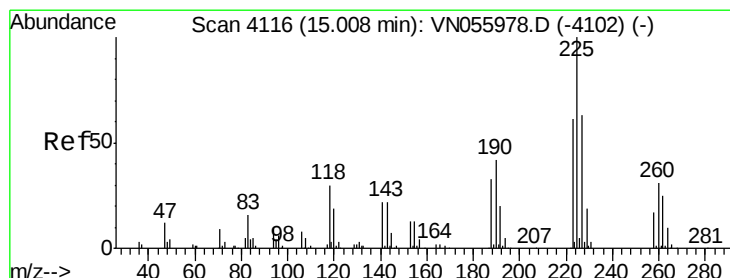
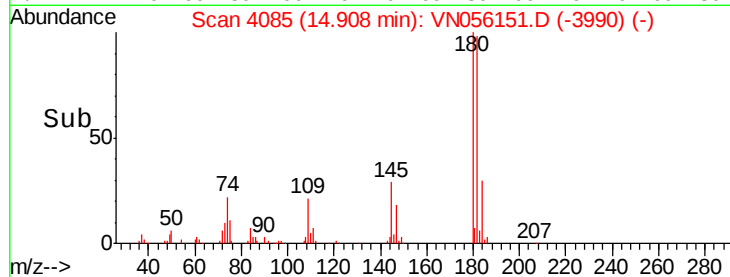
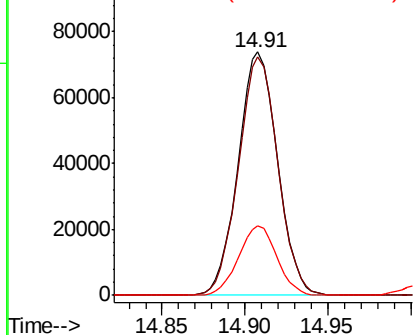
#93
 1,2,4-Trichlorobenzene
 Concen: 42.275 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MSD

Tot Ion:180 Resp: 121754
 Ion Ratio Lower Upper
 180 100
 182 97.8 48.3 144.9
 145 27.9 14.0 41.9

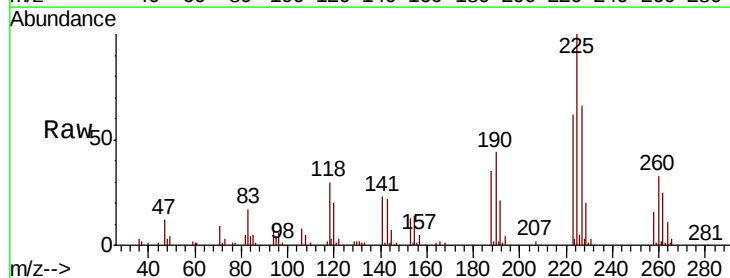


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

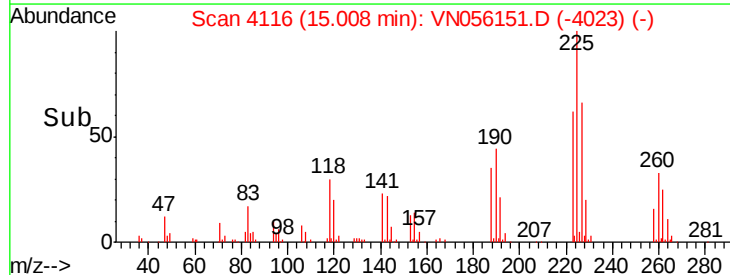
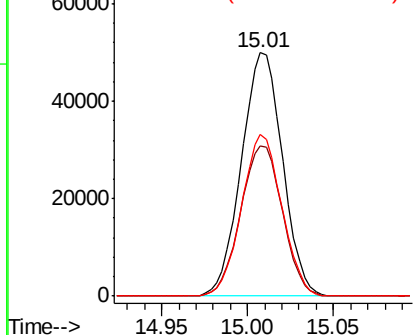


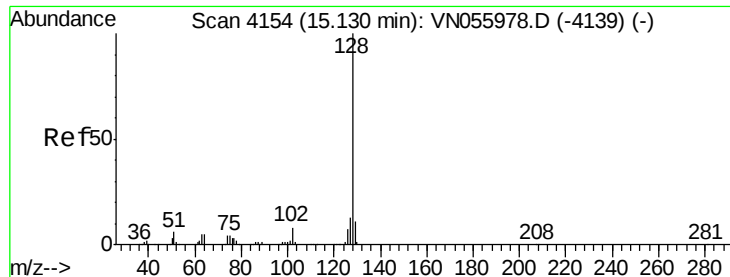
#94
 Hexachlorobutadiene
 Concen: 45.258 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Tgt Ion:225 Resp: 82894
 Ion Ratio Lower Upper
 225 100
 223 62.9 30.9 92.7
 227 64.9 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

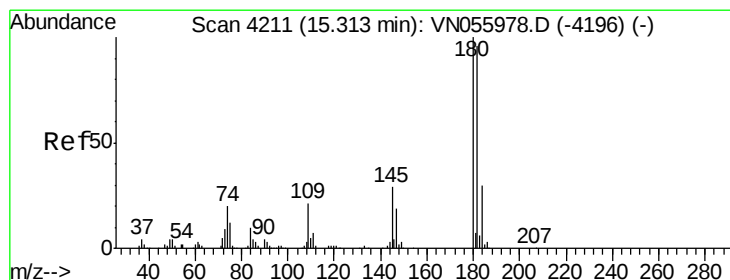
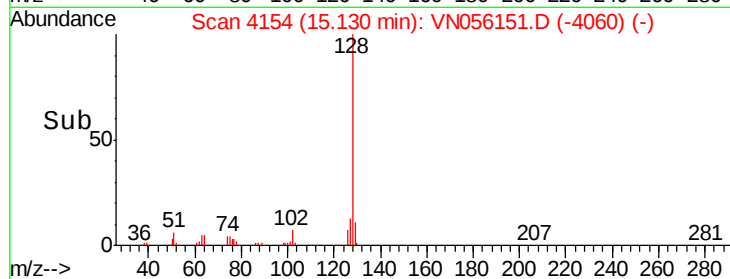
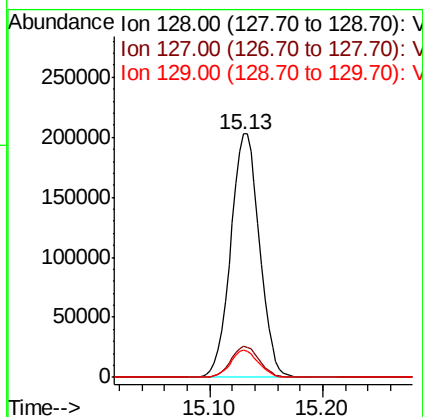
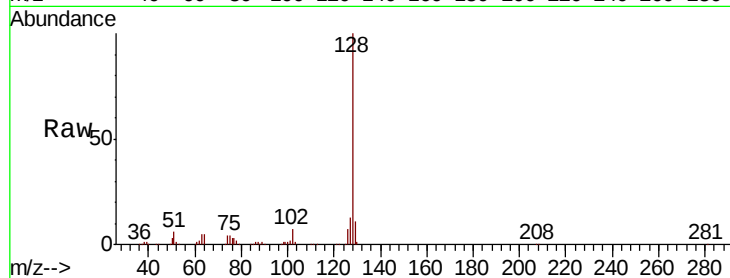




#95
Naphthalene
Concen: 47.413 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion:128 Resp: 358783
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 47.201 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion:180 Resp: 140404
Ion Ratio Lower Upper
180 100
182 97.3 47.9 143.7
145 29.6 14.9 44.7

