

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062620\
 Data File : VN062152.D
 Acq On : 26 Jun 2020 20:15
 Operator : JC/MD
 Sample : L3020-19MSD
 Misc : 5.86g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Quant Time: Jun 27 03:46:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	235656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	437930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	475532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	259879	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	164958	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	7.54	113	128755	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	
50) Toluene-d8	10.06	98	614812	54.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.48%	
62) 4-Bromofluorobenzene	12.37	95	322893	85.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	170.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	126551	47.510	ug/l	98
3) Chloromethane	2.03	50	181405	58.063	ug/l	98
4) Vinyl Chloride	2.16	62	200066	47.694	ug/l	99
5) Bromomethane	2.48	94	31324	11.554	ug/l	98
6) Chloroethane	2.61	64	19641	6.854	ug/l	89
7) Trichlorofluoromethane	2.92	101	280343	54.238	ug/l	99
8) Diethyl Ether	3.37	74	98102	54.354	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.68	101	131201	48.472	ug/l	99
10) Methyl Iodide	3.89	142	138169	45.326	ug/l	99
11) Tert butyl alcohol	4.69	59	9471	19.947	ug/l #	72
12) 1,1-Dichloroethene	3.66	96	136471	50.435	ug/l	99
13) Acrolein	3.56	56	139838	300.808	ug/l	95
14) Allyl chloride	4.26	41	196511	53.341	ug/l	99
15) Acrylonitrile	4.93	53	346343	267.674	ug/l	100
16) Acetone	3.78	43	276243	266.387	ug/l	97
17) Carbon Disulfide	3.98	76	377002	48.644	ug/l	100
18) Methyl Acetate	4.27	43	151825	57.752	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	469653	54.317	ug/l	96
20) Methylene Chloride	4.49	84	162003	53.378	ug/l	97
21) trans-1,2-Dichloroethene	4.97	96	147883	47.974	ug/l	98
22) Diisopropyl ether	5.90	45	455424	54.293	ug/l	97
23) Vinyl Acetate	5.84	43	1879714	274.470	ug/l	99
24) 1,1-Dichloroethane	5.79	63	270571	50.092	ug/l	99
25) 2-Butanone	6.79	43	417482	258.272	ug/l	98
26) 2,2-Dichloropropane	6.77	77	187900	41.745	ug/l	100
27) cis-1,2-Dichloroethene	6.77	96	177107	51.059	ug/l	99
28) Bromochloromethane	7.15	49	115307	49.201	ug/l	95
29) Tetrahydrofuran	7.17	42	280815	265.209	ug/l	100
30) Chloroform	7.32	83	272126	49.517	ug/l	99
31) Cyclohexane	7.60	56	291267	63.749	ug/l	94
32) 1,1,1-Trichloroethane	7.52	97	224501	48.440	ug/l	99
36) 1,1-Dichloropropene	7.74	75	202026	45.896	ug/l	99
37) Ethyl Acetate	6.88	43	183554	50.358	ug/l	98
38) Carbon Tetrachloride	7.73	117	182828	44.055	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	758111	157.185	ug/l	96
40) Benzene	8.00	78	623232	46.452	ug/l	99
41) Methacrylonitrile	7.17	41	260728	154.293	ug/l #	26
42) 1,2-Dichloroethane	8.08	62	213125	47.016	ug/l	95
43) Isopropyl Acetate	8.13	43	419306	70.568	ug/l #	88
44) Trichloroethene	8.80	130	159510	47.131	ug/l	99
45) 1,2-Dichloropropane	9.08	63	169670	51.260	ug/l	99
46) Dibromomethane	9.17	93	106057	47.259	ug/l	97
47) Bromodichloromethane	9.37	83	255332	56.349	ug/l #	95
48) Methyl methacrylate	9.17	41	147846	55.494	ug/l	91
49) 1,4-Dioxane	9.18	88	55672	942.292	ug/l #	78
51) 4-Methyl-2-Pentanone	9.96	43	1227356	353.542	ug/l	93
52) Toluene	10.12	92	424206	51.820	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	259389	52.031	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	266211	50.157	ug/l #	87
55) 1,1,2-Trichloroethane	10.50	97	415084	128.991	ug/l #	23
56) Ethyl methacrylate	10.40	69	254394	59.238	ug/l #	61
57) 1,3-Dichloropropane	10.68	76	286704	51.763	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	542632	293.770	ug/l	98
59) 2-Hexanone	10.73	43	644913	257.262	ug/l	93
60) Dibromochloromethane	10.88	129	169756	49.828	ug/l	99
61) 1,2-Dibromoethane	10.98	107	175574	53.100	ug/l #	37
64) Tetrachloroethene	10.60	164	132883	40.908	ug/l	97
65) Chlorobenzene	11.41	112	496807	47.574	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	173018	47.914	ug/l	100
67) Ethyl Benzene	11.48	91	5489666	311.267	ug/l #	77
68) m/p-Xylenes	11.60	106	2107549	308.956	ug/l	96
69) o-Xylene	11.92	106	346624	53.856	ug/l	95
70) Styrene	11.94	104	590954	55.055	ug/l	98
71) Bromoform	12.10	173	125755	48.981	ug/l #	97
73) Isopropylbenzene	12.23	105	2226910	110.699	ug/l	100
74) N-amyl acetate	12.02	43	389453	52.418	ug/l #	38
75) 1,1,2,2-Tetrachloroethane	12.48	83	257304	38.436	ug/l #	51
76) 1,2,3-Trichloropropane	12.53	75	395778	64.693	ug/l #	100
77) Bromobenzene	12.50	156	230461	46.145	ug/l	93
78) n-propylbenzene	12.57	91	5801780	252.135	ug/l	85
79) 2-Chlorotoluene	12.75	91	642276	46.171	ug/l	94
80) 1,3,5-Trimethylbenzene	12.71	105	5875861	360.312	ug/l	78
81) trans-1,4-Dichloro-2-buten	12.28	75	89947	42.937	ug/l #	73
82) 4-Chlorotoluene	12.75	91	642276	44.648	ug/l	93
83) tert-Butylbenzene	12.97	119	671354	48.104	ug/l	96
84) 1,2,4-Trimethylbenzene	12.87	105	1886997	115.858	ug/l	76
85) sec-Butylbenzene	13.15	105	1796346	97.408	ug/l #	77
86) p-Isopropyltoluene	13.26	119	1308532	80.989	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	401225	45.750	ug/l	94
88) 1,4-Dichlorobenzene	13.34	146	404351	44.728	ug/l	96
89) n-Butylbenzene	13.59	91	2907289	216.437	ug/l #	73
90) Hexachloroethane	13.86	117	813689	256.688	ug/l #	32
91) 1,2-Dichlorobenzene	13.63	146	410642	48.286	ug/l	89
92) 1,2-Dibromo-3-Chloropropan	14.24	75	126100	117.587	ug/l #	49

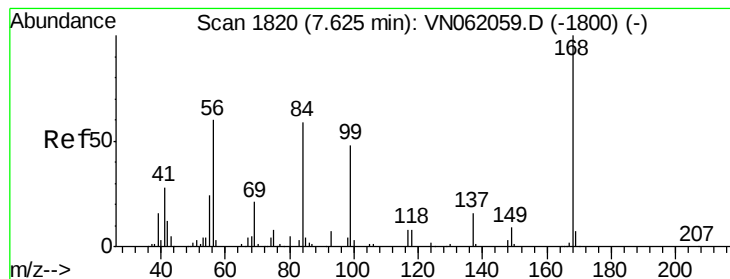
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	272073	73.233	ug/l #	30
94) Hexachlorobutadiene	14.99	225	107189	66.428	ug/l	99
95) Naphthalene	15.10	128	5980501	448.219	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.28	180	258734	68.110	ug/l #	84

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

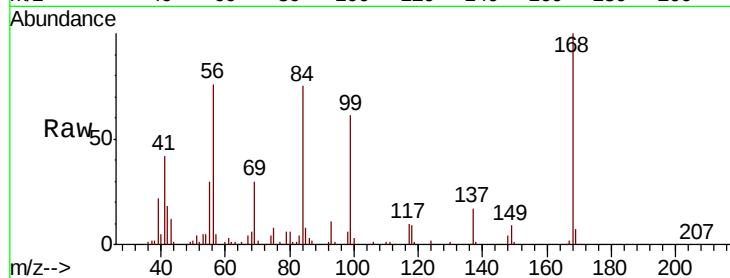
MW-27(16.5-18.5)MSD

Tot Ion:168 Resp: 235656

Ion Ratio Lower Upper

168 100

99 60.7 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

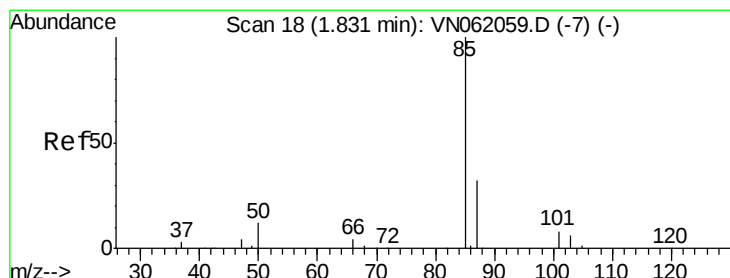
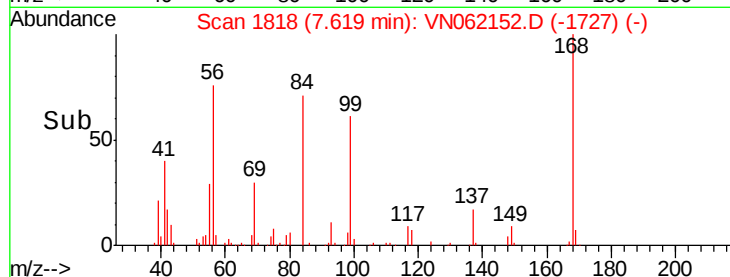
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 47.510 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN062152.D

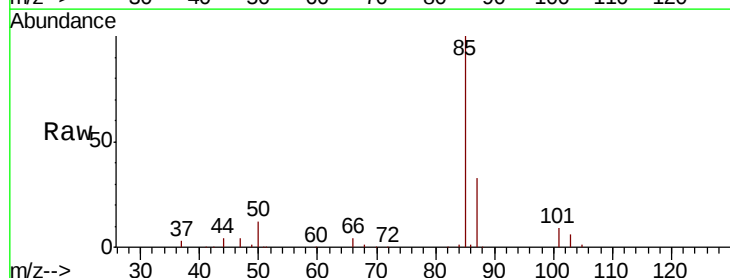
Acq: 26 Jun 2020 20:15

Tgt Ion: 85 Resp: 126551

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

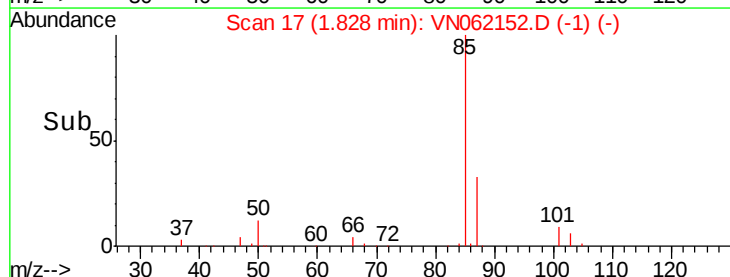
60000

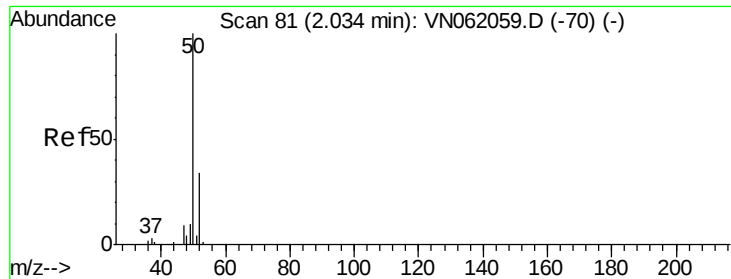
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 58.063 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

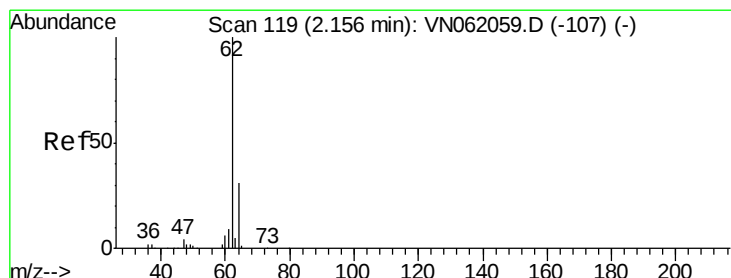
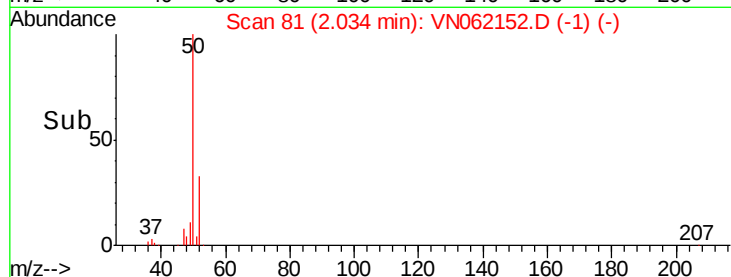
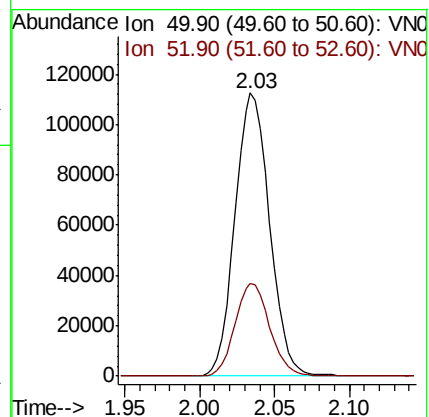
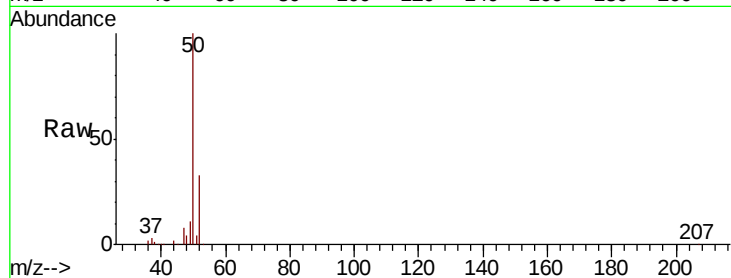
MW-27(16.5-18.5)MSD

Tot Ion: 50 Resp: 181405

Ion Ratio Lower Upper

50 100

52 32.9 27.0 40.6



#4

Vinyl Chloride

Concen: 47.694 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.01 min

Lab File: VN062152.D

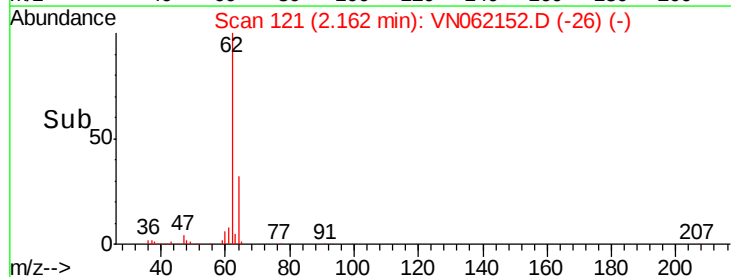
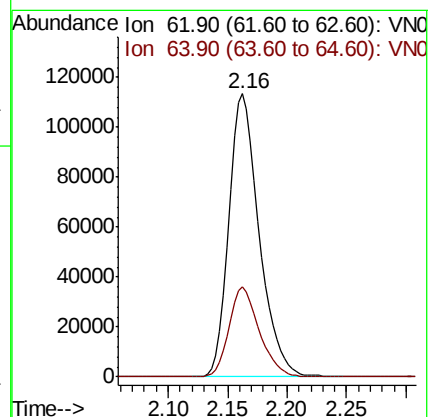
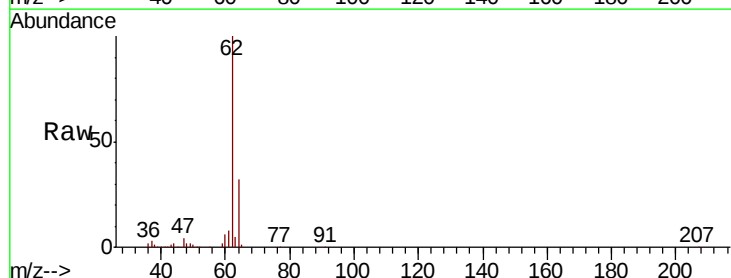
Acq: 26 Jun 2020 20:15

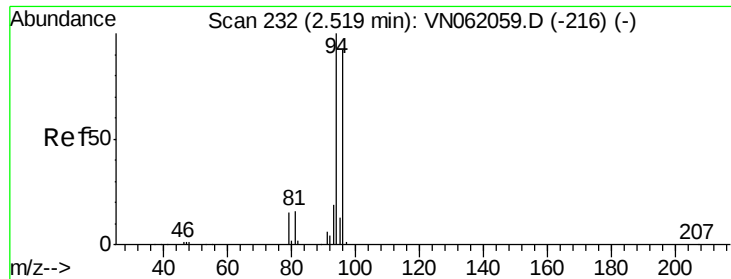
Tgt Ion: 62 Resp: 200066

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7





#5

Bromomethane

Concen: 11.554 ug/l

RT: 2.48 min Scan# 221

Delta R.T. -0.04 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

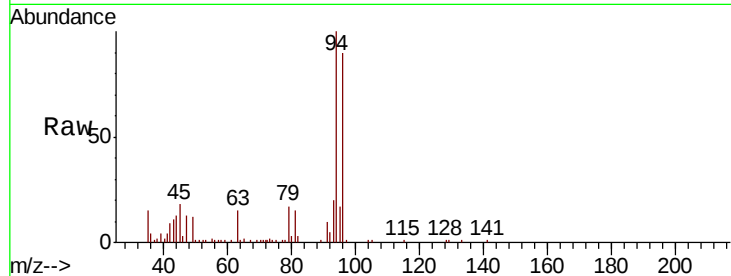
MW-27(16.5-18.5)MSD

Tot Ion: 94 Resp: 31324

Ion Ratio Lower Upper

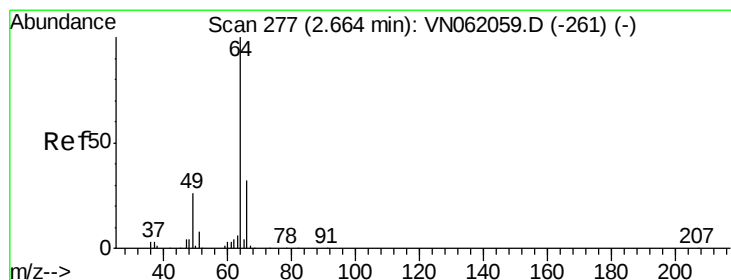
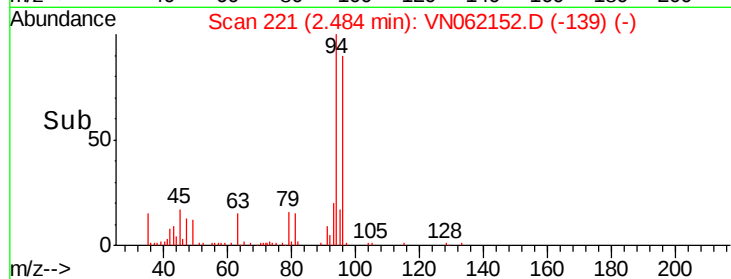
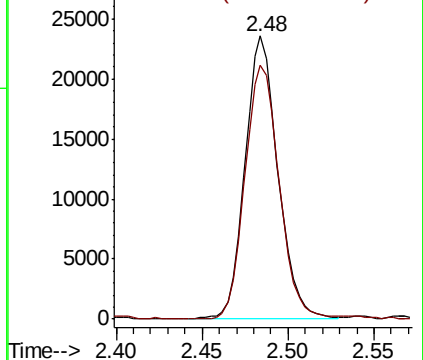
94 100

96 89.6 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 6.854 ug/l

RT: 2.61 min Scan# 261

Delta R.T. -0.05 min

Lab File: VN062152.D

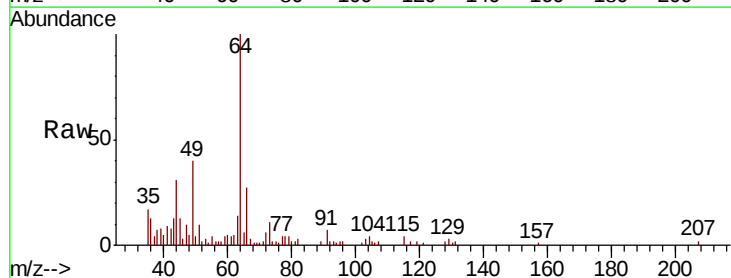
Acq: 26 Jun 2020 20:15

Tgt Ion: 64 Resp: 19641

Ion Ratio Lower Upper

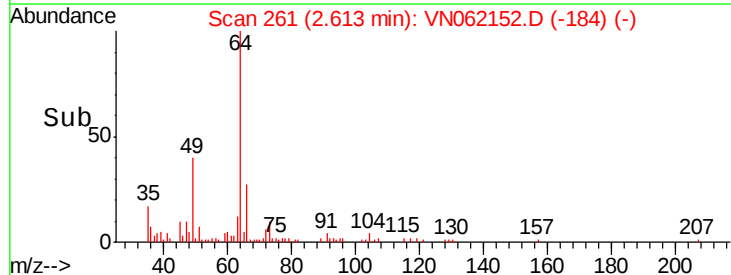
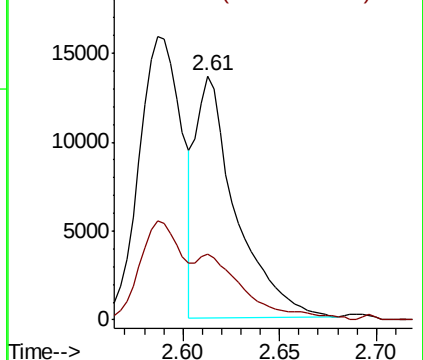
64 100

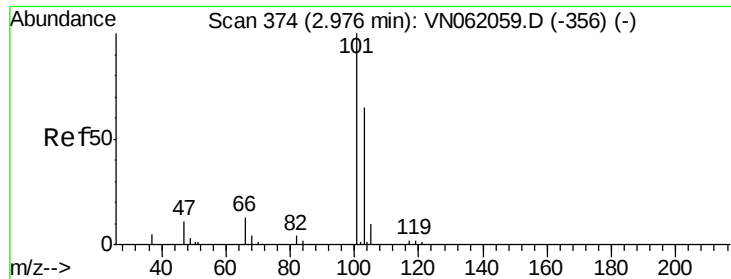
66 26.1 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC



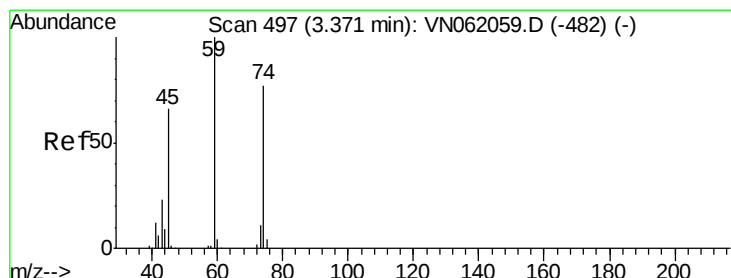
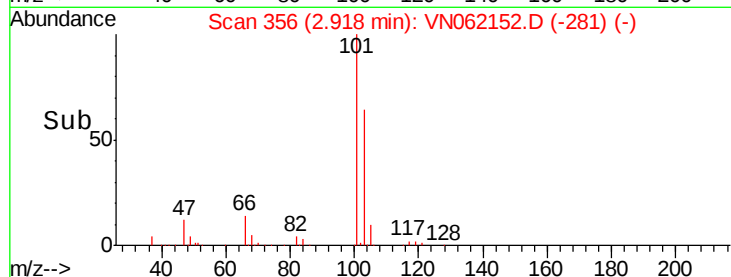
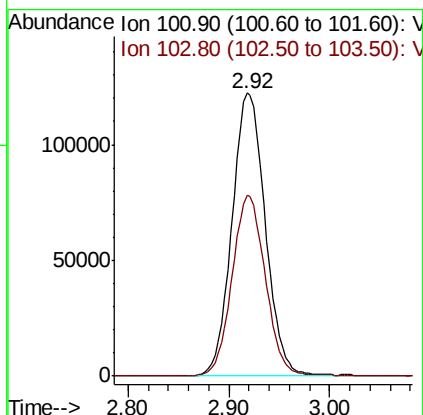
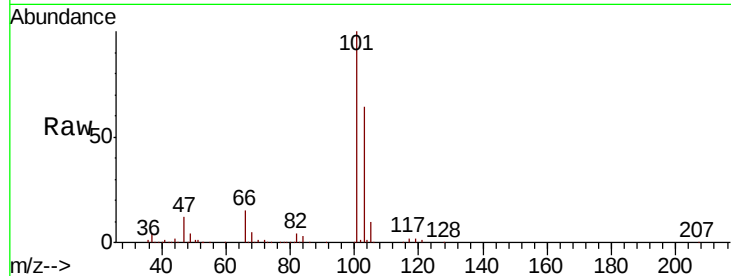


#7

Trichlorofluoromethane
Concen: 54.238 ug/l
RT: 2.92 min Scan# 356
Delta R.T. -0.06 min
Lab File: VN062152.D
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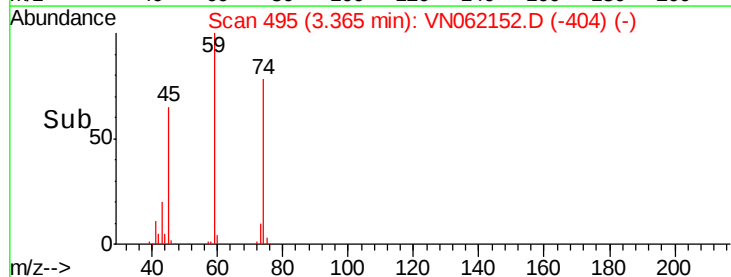
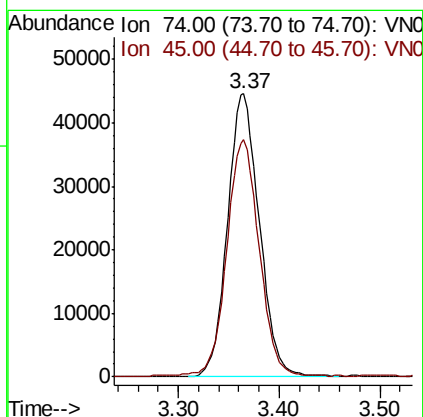
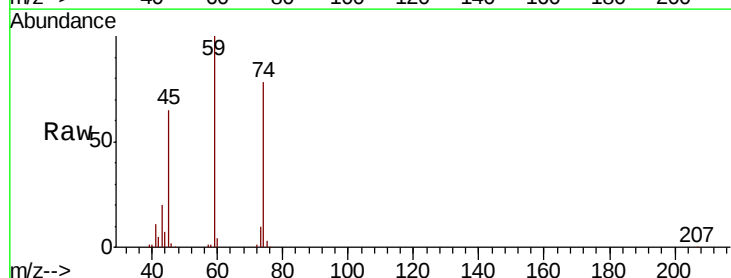
Tot Ion:101 Resp: 280343
Ion Ratio Lower Upper
101 100
103 63.7 51.8 77.6

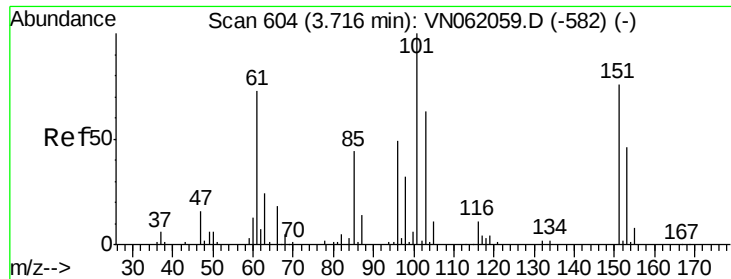


#8

Diethyl Ether
Concen: 54.354 ug/l
RT: 3.37 min Scan# 495
Delta R.T. -0.01 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion: 74 Resp: 98102
Ion Ratio Lower Upper
74 100
45 84.2 42.5 127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.472 ug/l

RT: 3.68 min Scan# 594

Delta R.T. -0.03 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

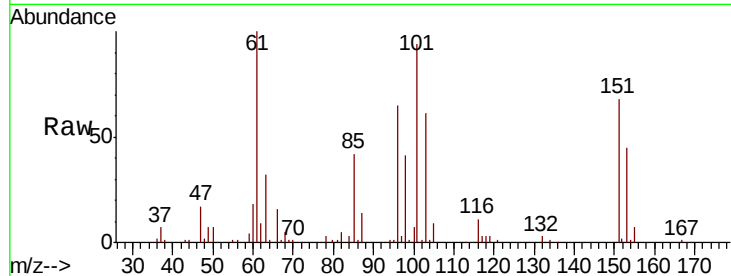
Tot Ion:101 Resp: 131201

Ion Ratio Lower Upper

101 100

85 43.9 34.5 51.7

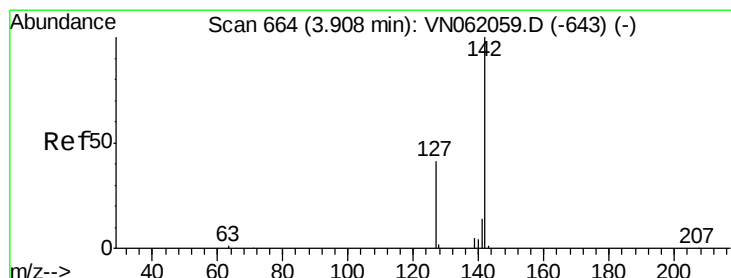
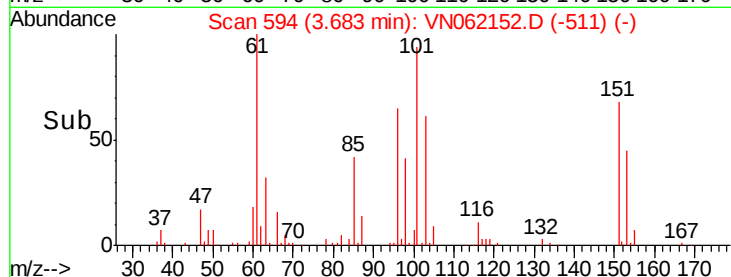
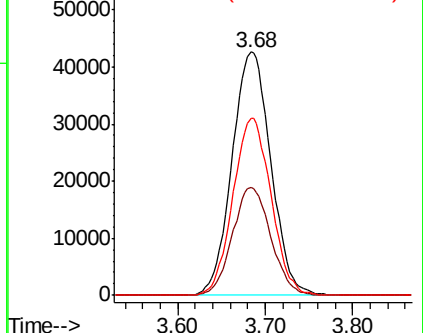
151 71.4 57.8 86.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.326 ug/l

RT: 3.89 min Scan# 657

Delta R.T. -0.02 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

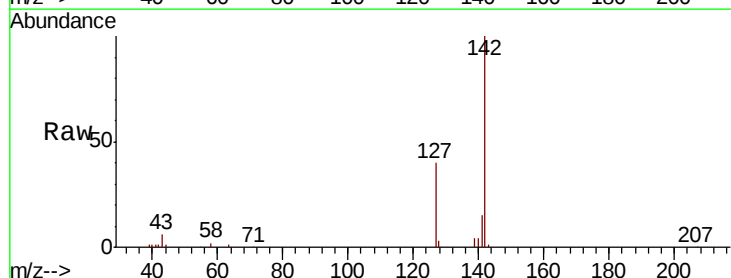
Tgt Ion:142 Resp: 138169

Ion Ratio Lower Upper

142 100

127 41.0 33.6 50.4

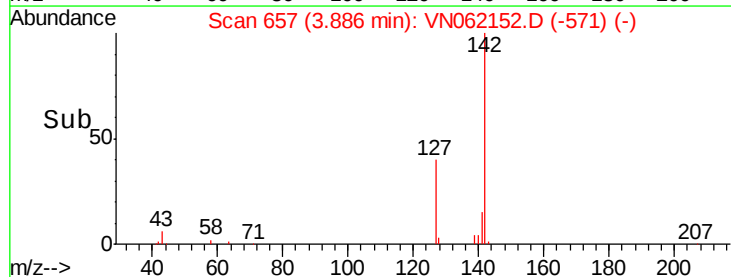
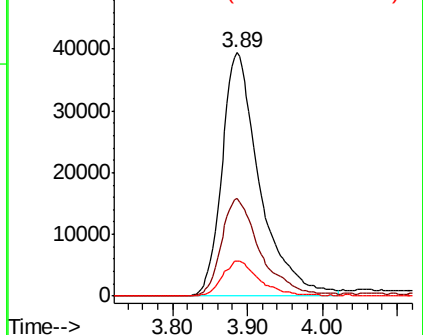
141 13.9 11.3 16.9

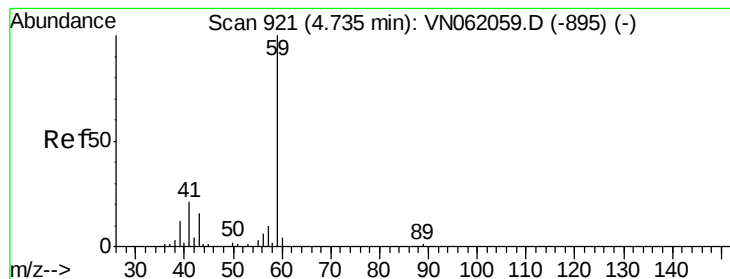


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



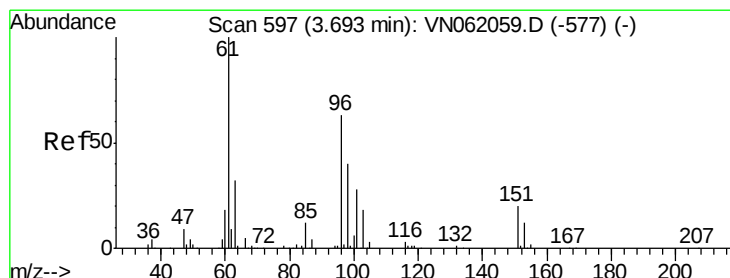
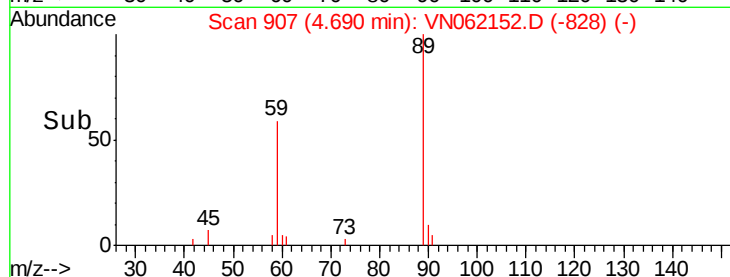
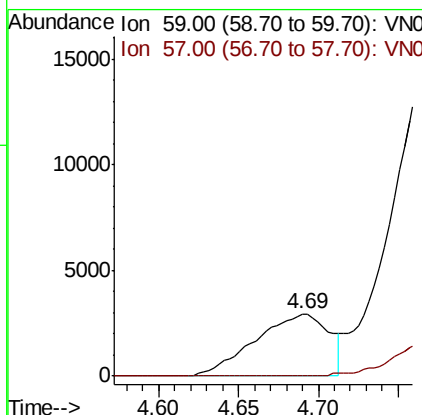
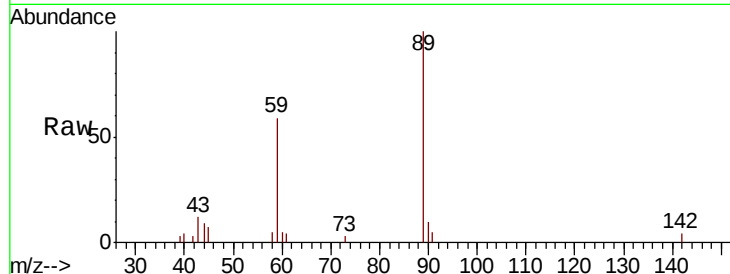


#11

Tert butyl alcohol
 Concen: 19.947 ug/l
 RT: 4.69 min Scan# 907
 Delta R.T. -0.05 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

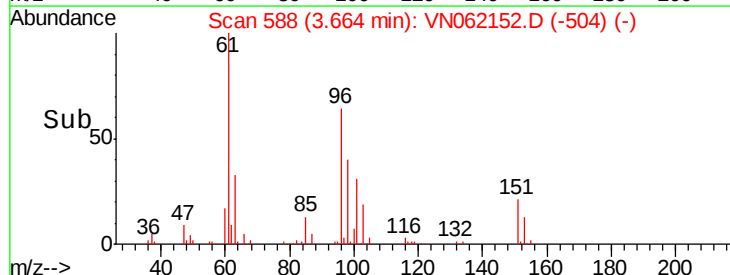
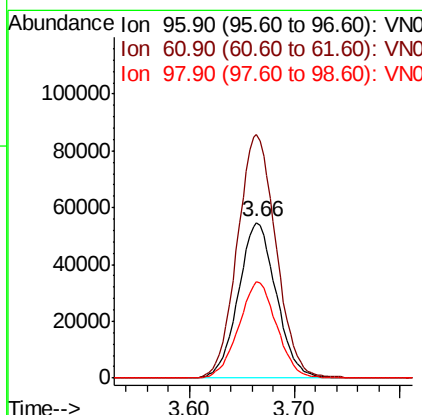
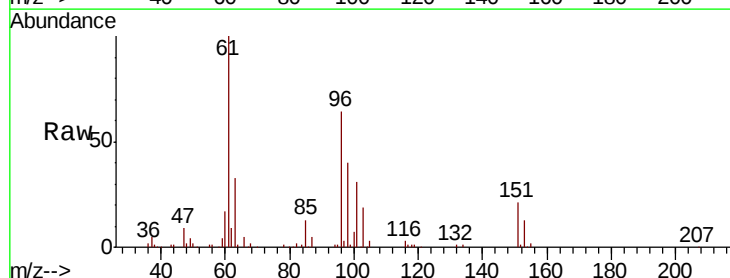
Tot Ion: 59 Resp: 9471
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

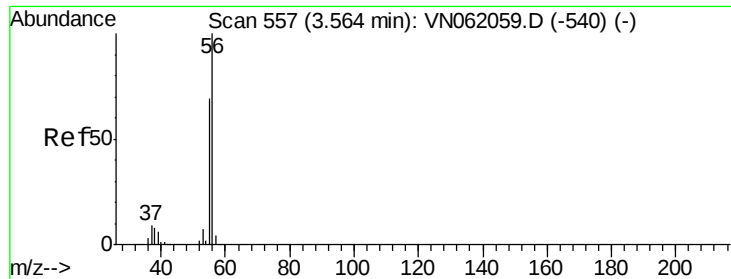


#12

1,1-Dichloroethene
 Concen: 50.435 ug/l
 RT: 3.66 min Scan# 588
 Delta R.T. -0.03 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Tgt Ion: 96 Resp: 136471
 Ion Ratio Lower Upper
 96 100
 61 156.7 126.7 190.1
 98 62.4 51.0 76.4





#13

Acrolein

Concen: 300.808 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

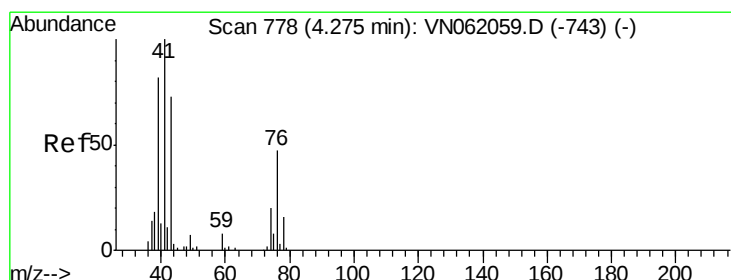
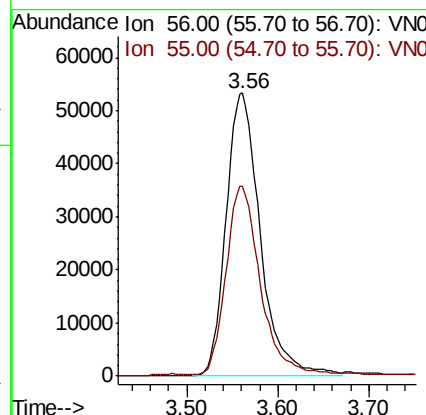
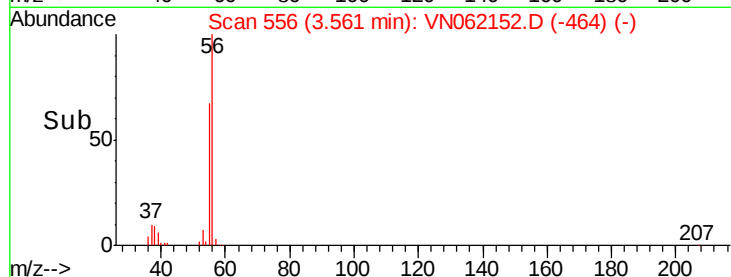
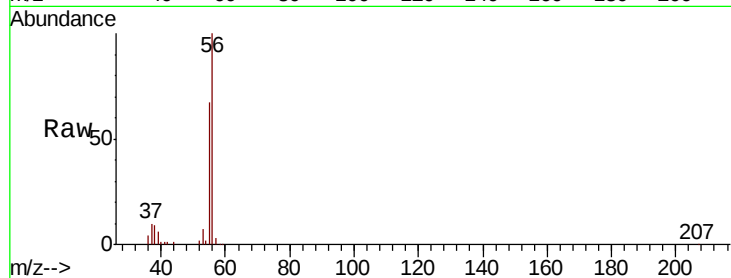
MW-27(16.5-18.5)MSD

Tot Ion: 56 Resp: 139838

Ion Ratio Lower Upper

56 100

55 65.6 55.5 83.3



#14

Allyl chloride

Concen: 53.341 ug/l

RT: 4.26 min Scan# 772

Delta R.T. -0.02 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

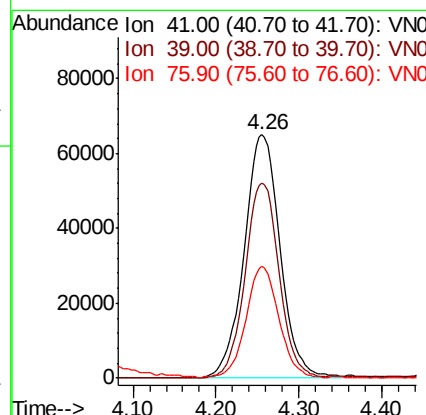
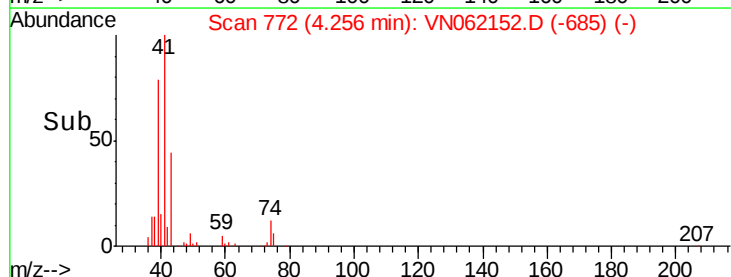
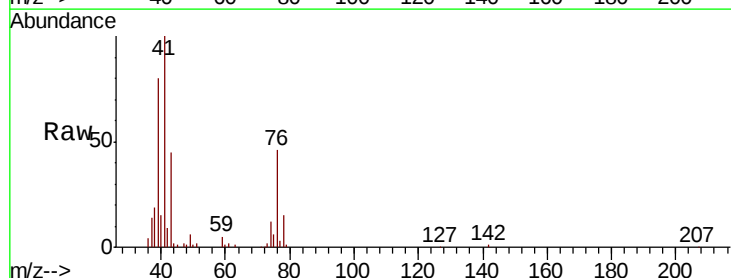
Tgt Ion: 41 Resp: 196511

Ion Ratio Lower Upper

41 100

39 75.5 60.0 90.0

76 41.2 34.1 51.1





#15

Acrylonitrile

Concen: 267.674 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

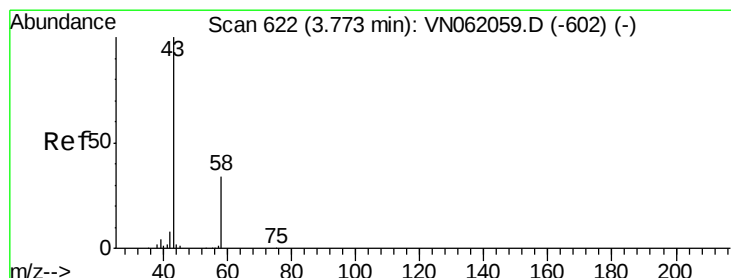
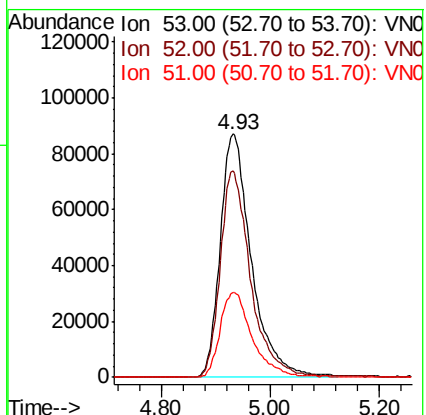
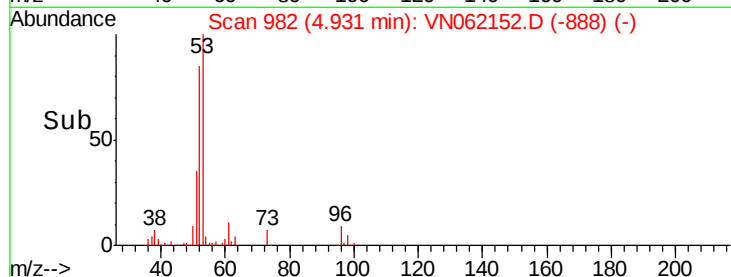
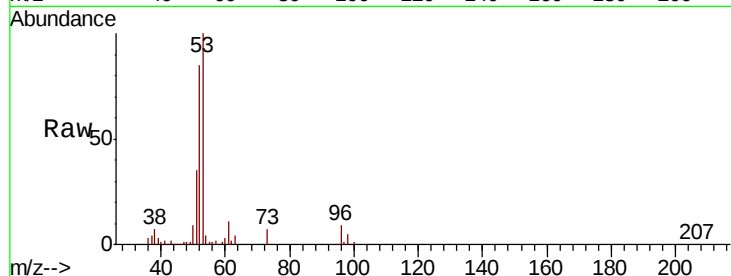
Tot Ion: 53 Resp: 346343

Ion Ratio Lower Upper

53 100

52 82.3 66.2 99.4

51 35.9 28.9 43.3



#16

Acetone

Concen: 266.387 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062152.D

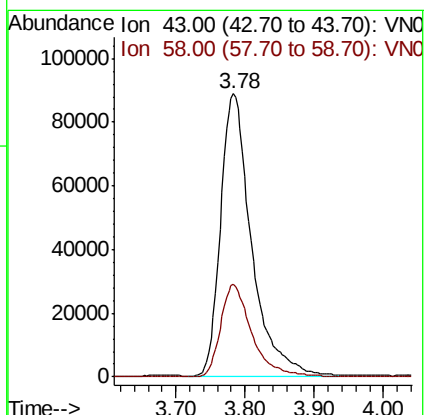
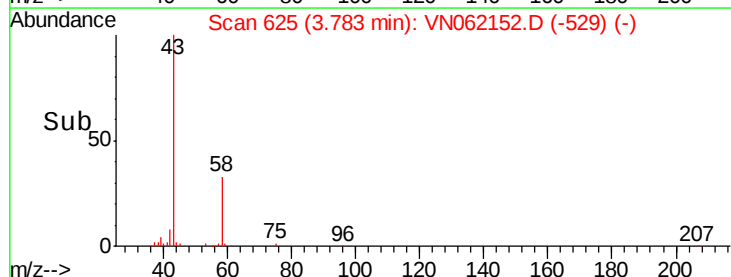
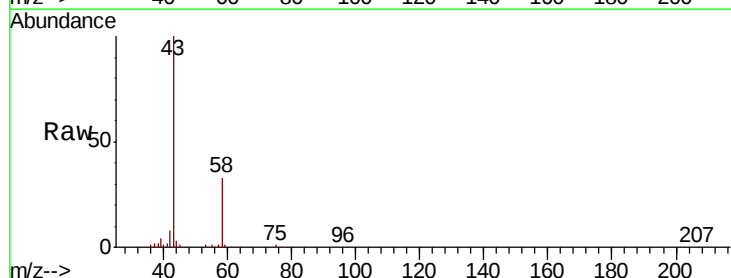
Acq: 26 Jun 2020 20:15

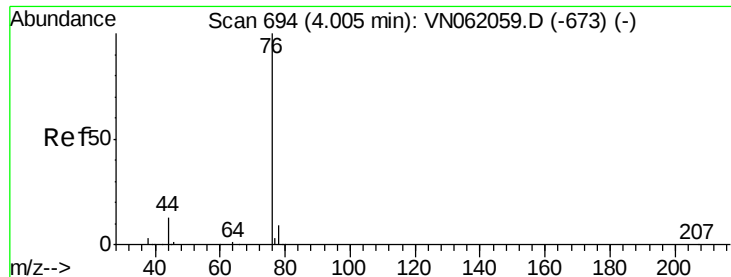
Tgt Ion: 43 Resp: 276243

Ion Ratio Lower Upper

43 100

58 32.8 27.5 41.3

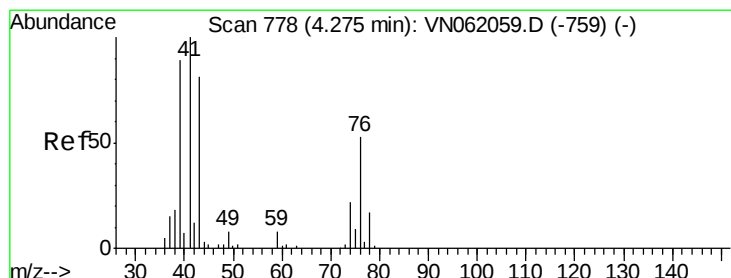
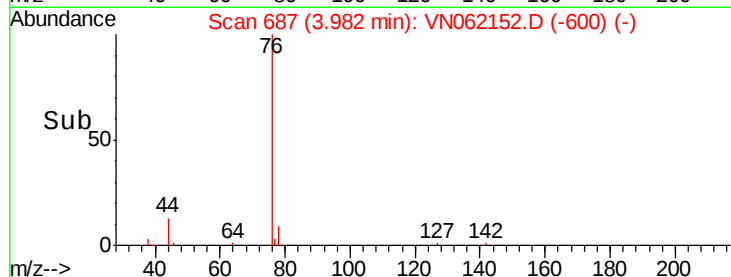
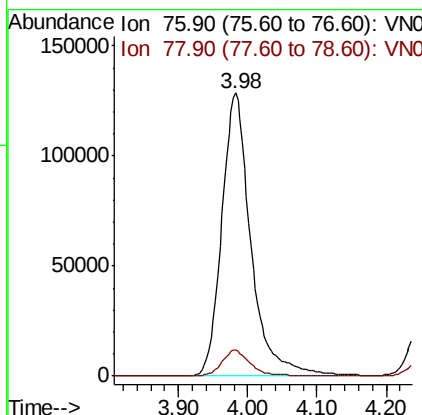
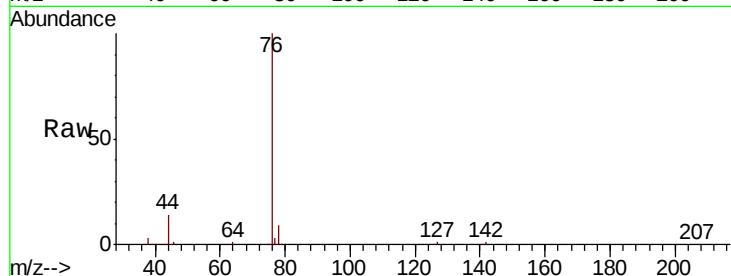




#17
Carbon Disulfide
Concen: 48.644 ug/l
RT: 3.98 min Scan# 687
Delta R.T. -0.02 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

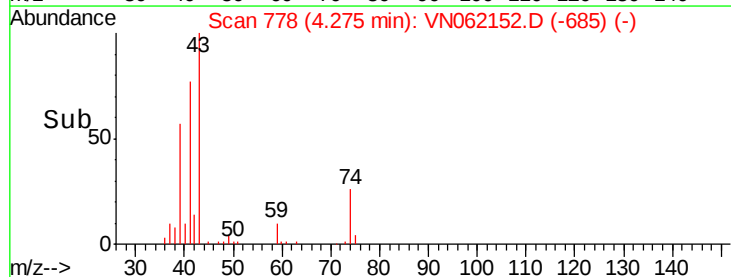
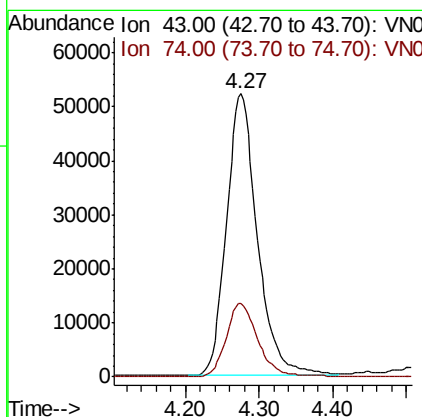
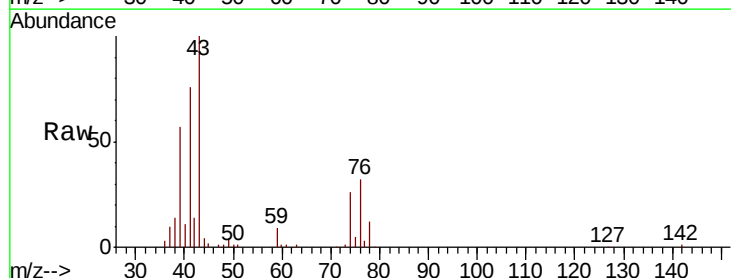
Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion: 76 Resp: 377002
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 57.752 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion: 43 Resp: 151825
Ion Ratio Lower Upper
43 100
74 26.6 22.9 34.3

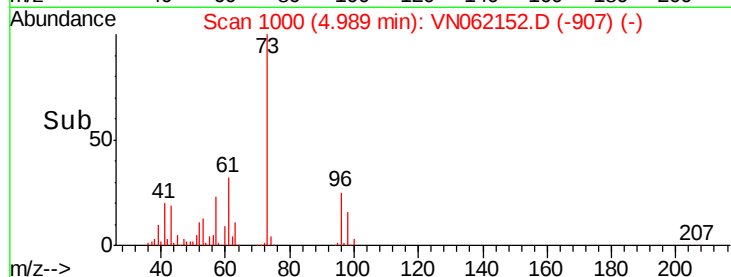
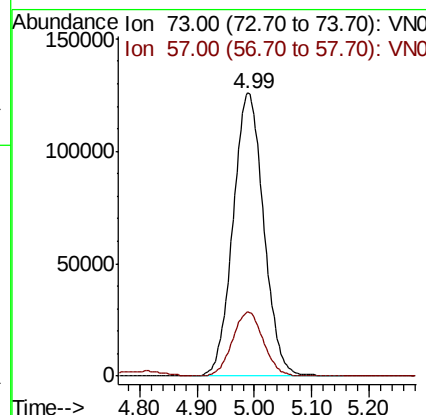
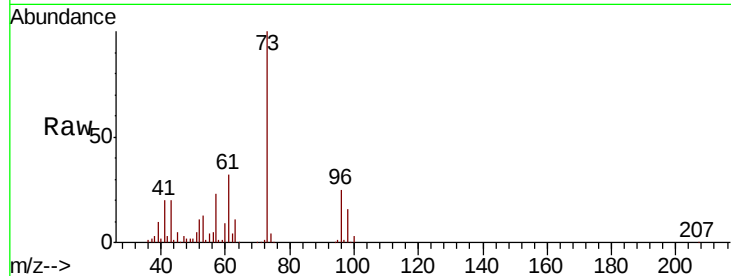




#19
Methyl tert-butyl Ether
Concen: 54.317 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

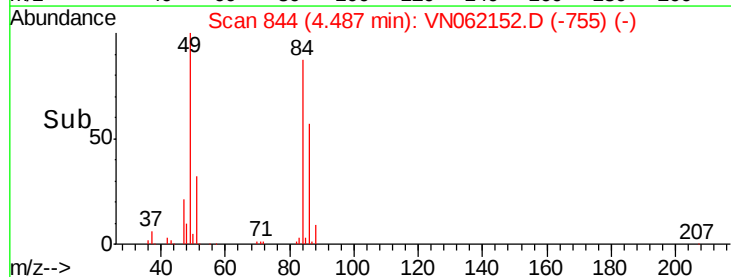
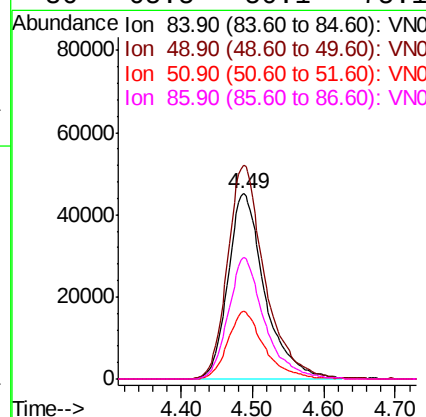
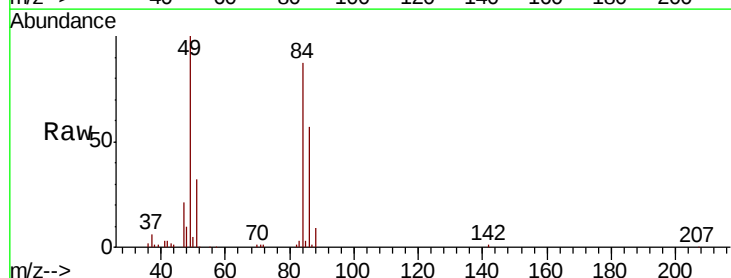
Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion: 73 Resp: 469653
Ion Ratio Lower Upper
73 100
57 22.7 16.6 24.8



#20
Methylene Chloride
Concen: 53.378 ug/l
RT: 4.49 min Scan# 844
Delta R.T. -0.01 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion: 84 Resp: 162003
Ion Ratio Lower Upper
84 100
49 115.0 90.6 136.0
51 36.7 27.8 41.8
86 65.5 50.1 75.1

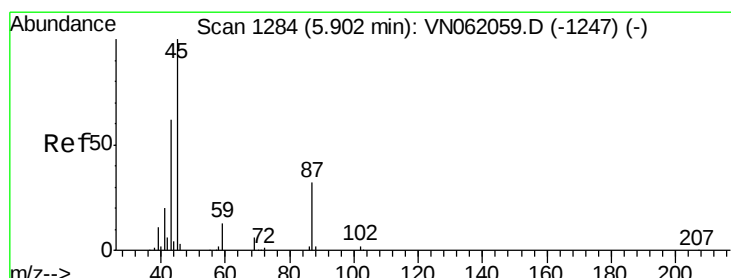
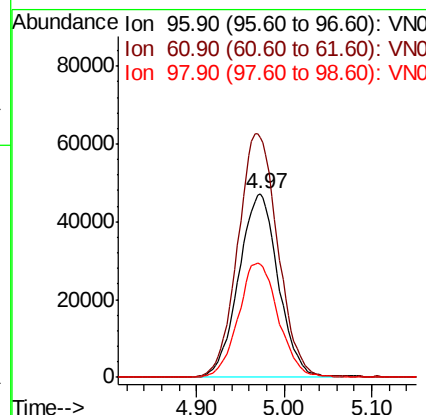
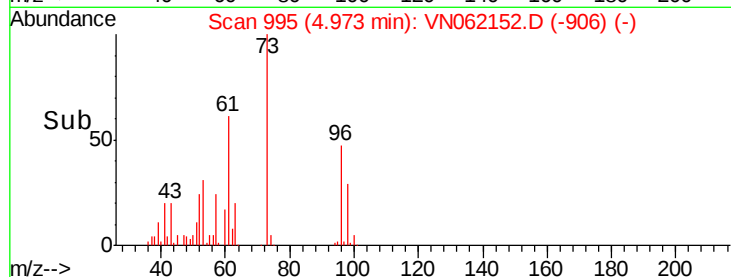
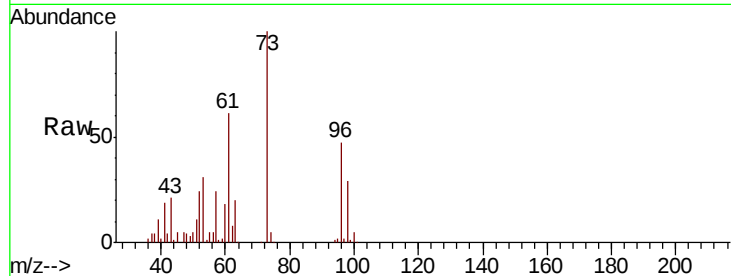




#21
trans-1,2-Dichloroethene
Concen: 47.974 ug/l
RT: 4.97 min Scan# 995
Delta R.T. -0.01 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

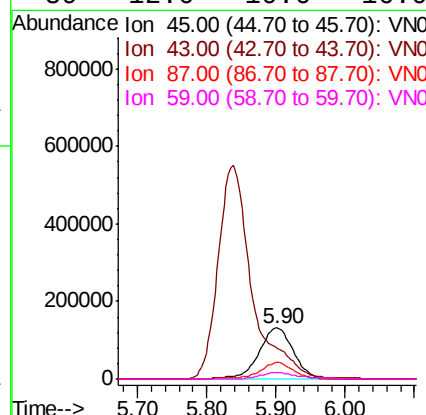
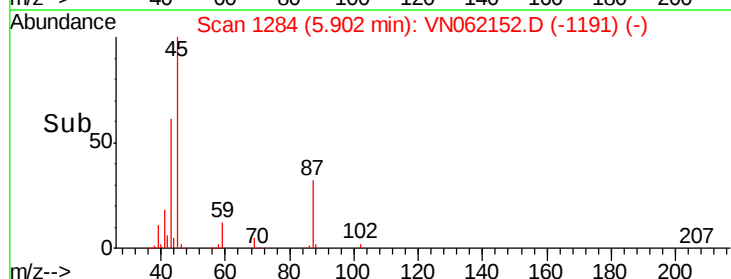
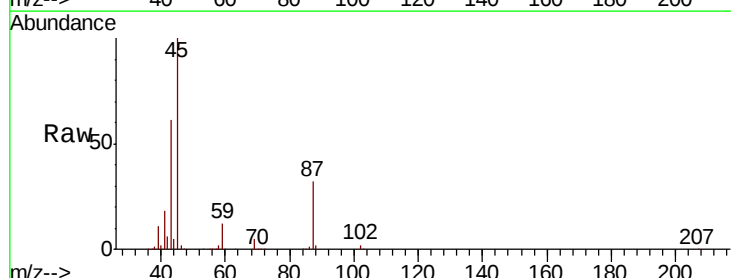
Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

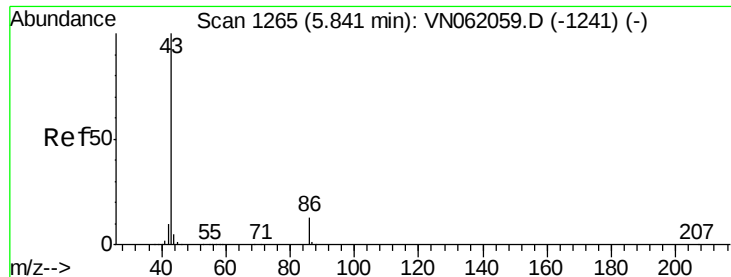
Tot Ion: 96 Resp: 147883
Ion Ratio Lower Upper
96 100
61 130.8 101.4 152.2
98 61.6 49.3 73.9



#22
Diisopropyl ether
Concen: 54.293 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion: 45 Resp: 455424
Ion Ratio Lower Upper
45 100
43 58.5 49.7 74.5
87 31.9 25.9 38.9
59 12.0 10.6 16.0





#23

Vinyl Acetate

Concen: 274.470 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

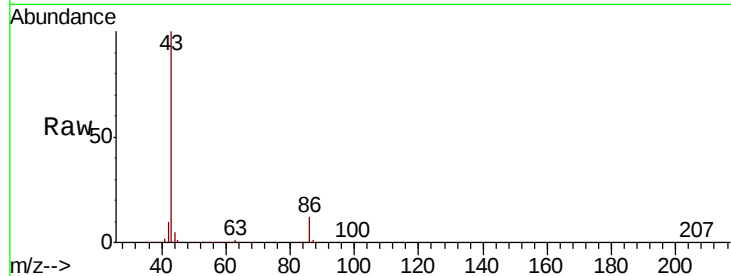
MW-27(16.5-18.5)MSD

Tot Ion: 43 Resp: 1879714

Ion Ratio Lower Upper

43 100

86 12.2 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VN062152.D (-1172) (-)

Ion 86.00 (85.70 to 86.70): VN062152.D (-1172) (-)

5.84

600000

500000

400000

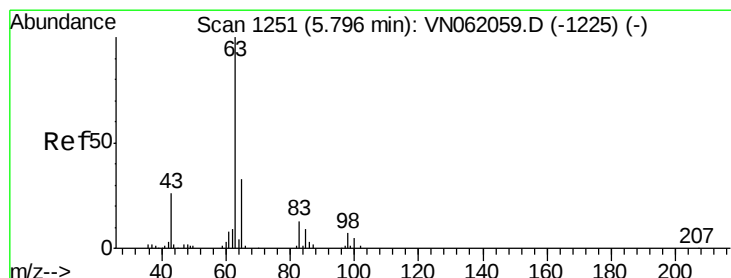
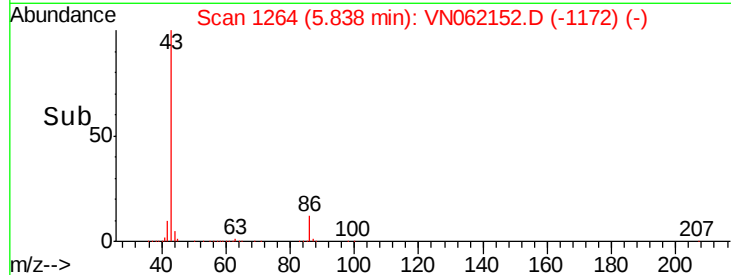
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 50.092 ug/l

RT: 5.79 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

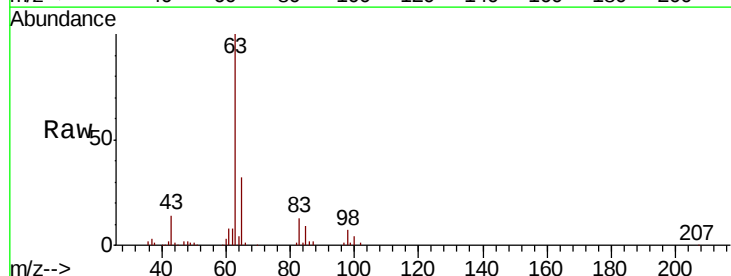
Tgt Ion: 63 Resp: 270571

Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.9

100 4.4 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VN062152.D (-1158) (-)

Ion 97.90 (97.60 to 98.60): VN062152.D (-1158) (-)

Ion 99.90 (99.60 to 100.60): VN062152.D (-1158) (-)

100000

80000

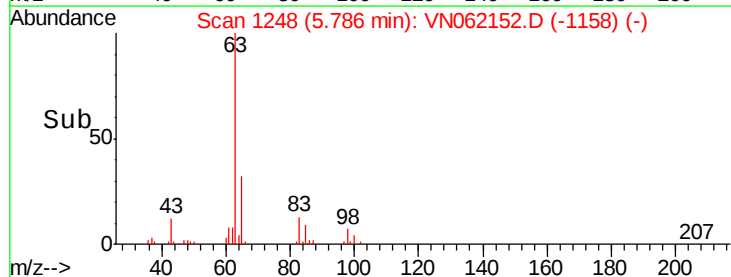
60000

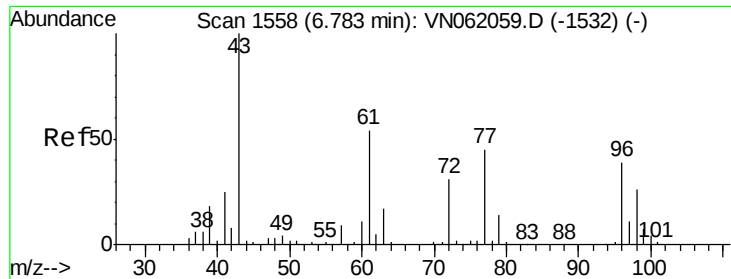
40000

20000

0

Time--> 5.70 5.80 5.90

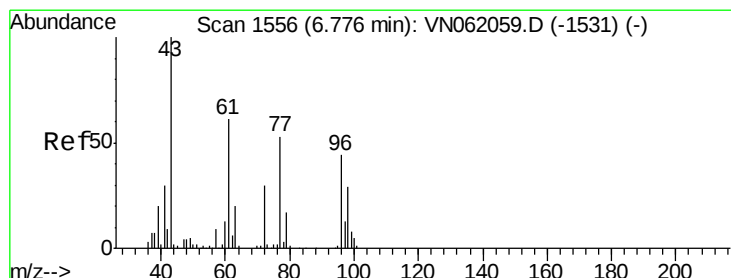
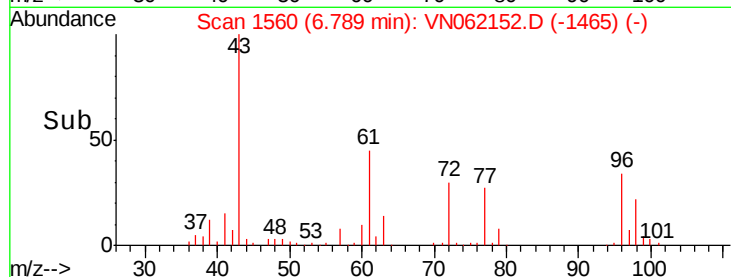
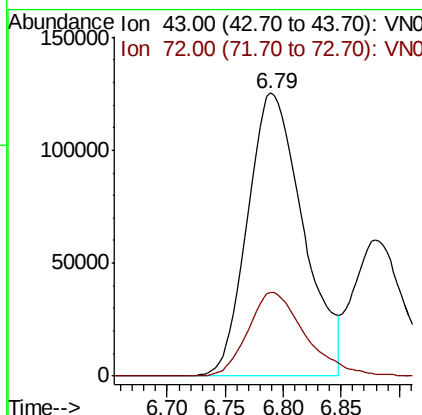
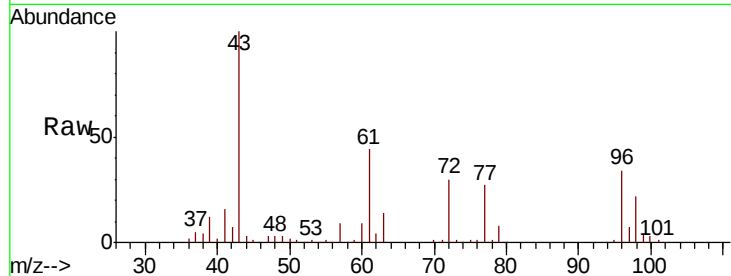




#25
2-Butanone
Concen: 258.272 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

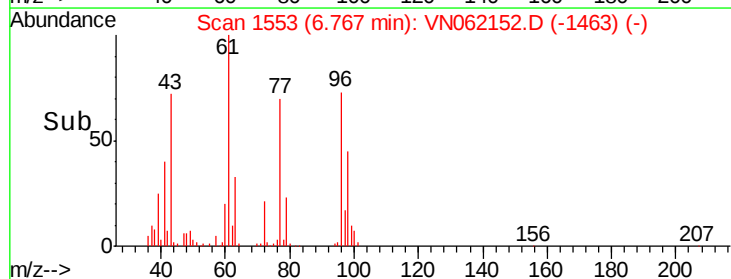
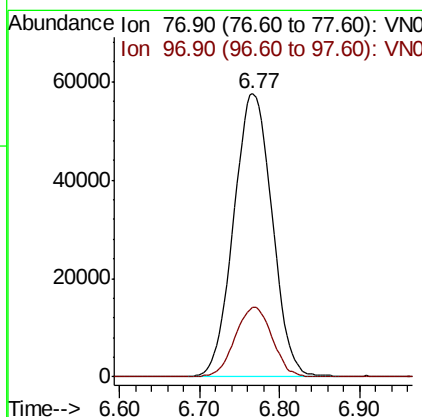
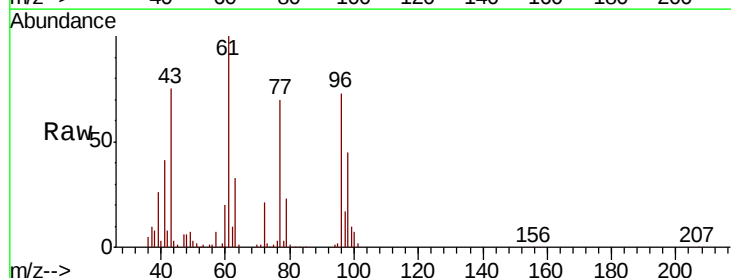
Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

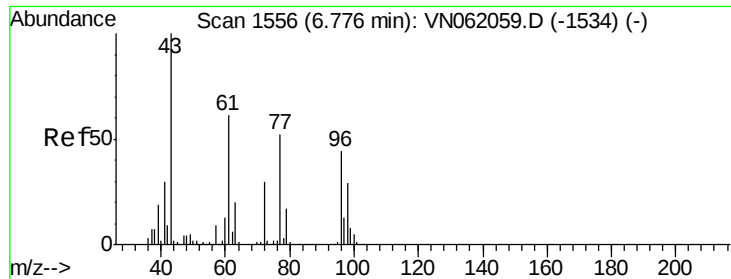
Tot Ion: 43 Resp: 417482
Ion Ratio Lower Upper
43 100
72 29.8 24.8 37.2



#26
2,2-Dichloropropane
Concen: 41.745 ug/l
RT: 6.77 min Scan# 1553
Delta R.T. -0.01 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion: 77 Resp: 187900
Ion Ratio Lower Upper
77 100
97 23.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 51.059 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

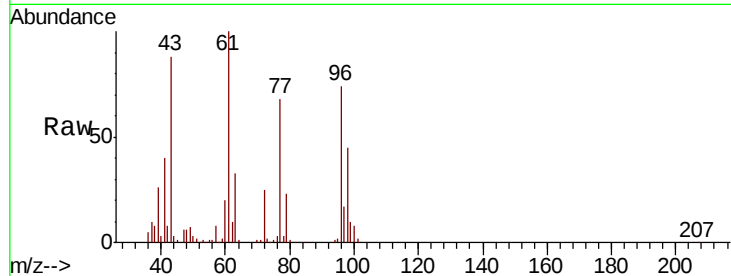
Tot Ion: 96 Resp: 177107

Ion Ratio Lower Upper

96 100

61 139.6 0.0 280.4

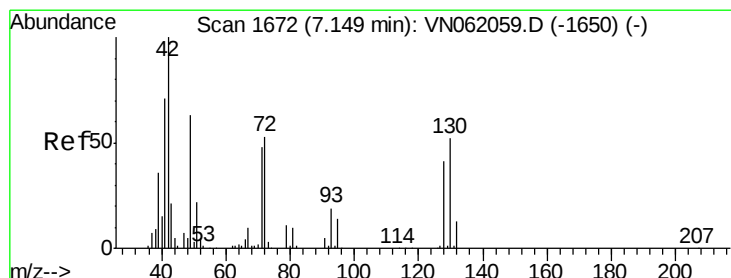
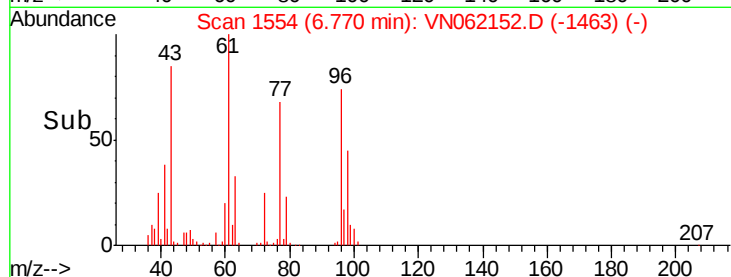
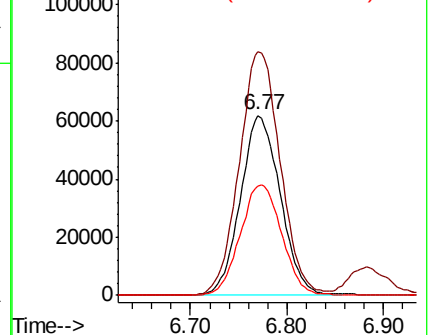
98 64.0 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN062152.D (-1463) (-)

Ion 60.90 (60.60 to 61.60): VN062152.D (-1463) (-)

Ion 97.90 (97.60 to 98.60): VN062152.D (-1463) (-)



#28

Bromochloromethane

Concen: 49.201 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

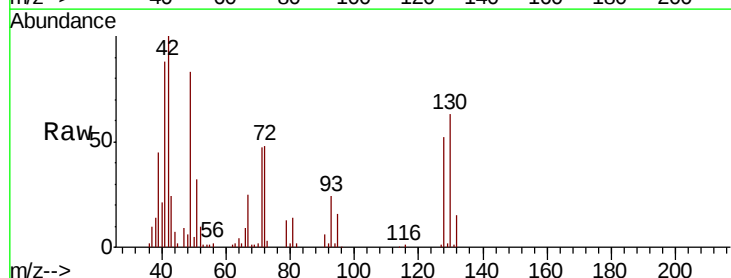
Tgt Ion: 49 Resp: 115307

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.4

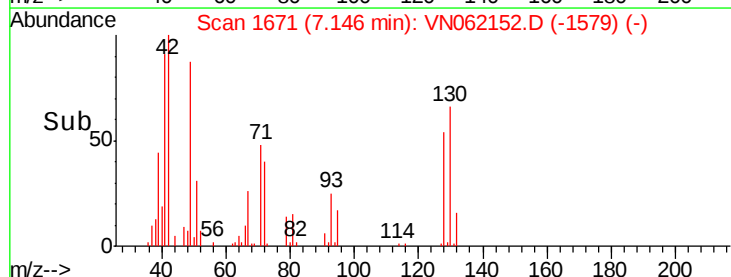
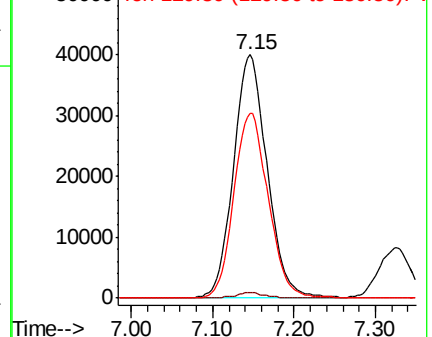
130 77.3 65.5 98.3

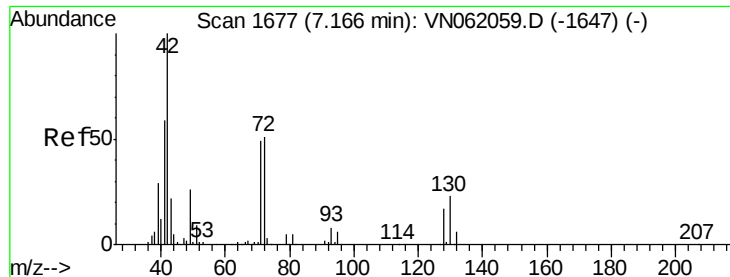


Abundance Ion 48.90 (48.60 to 49.60): VN062152.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN062152.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN062152.D (-1579) (-)





#29

Tetrahydrofuran

Concen: 265.209 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

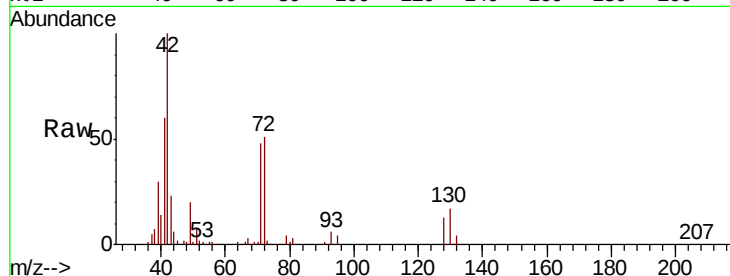
Tot Ion: 42 Resp: 280815

Ion Ratio Lower Upper

42 100

72 51.1 41.1 61.7

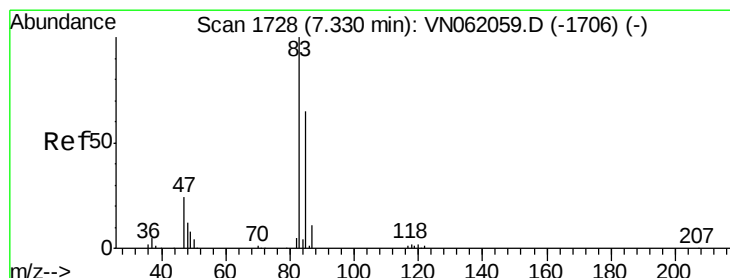
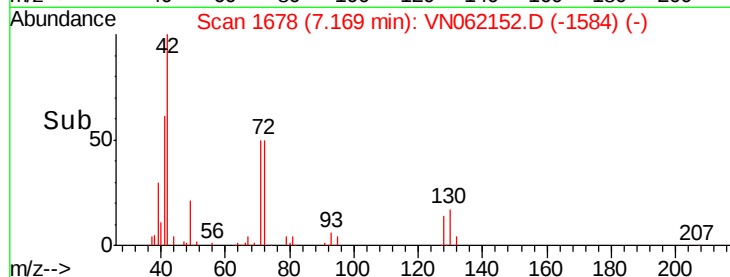
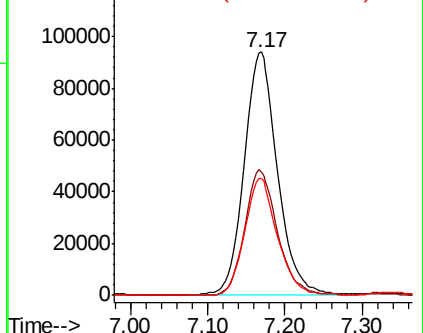
71 47.6 38.2 57.4



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: 49.517 ug/l

RT: 7.32 min Scan# 1726

Delta R.T. -0.01 min

Lab File: VN062152.D

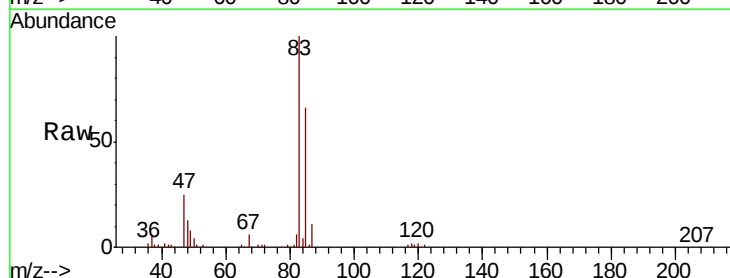
Acq: 26 Jun 2020 20:15

Tgt Ion: 83 Resp: 272126

Ion Ratio Lower Upper

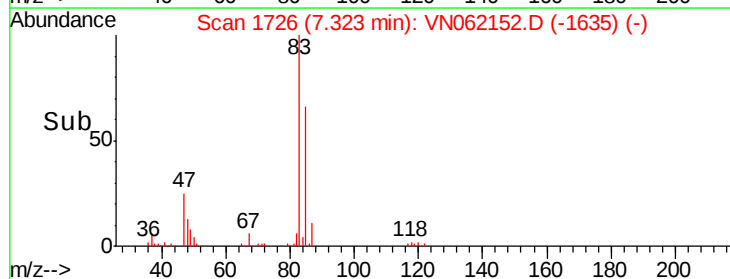
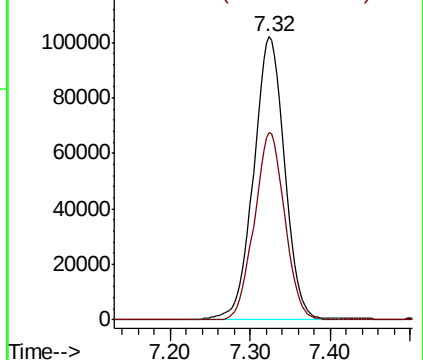
83 100

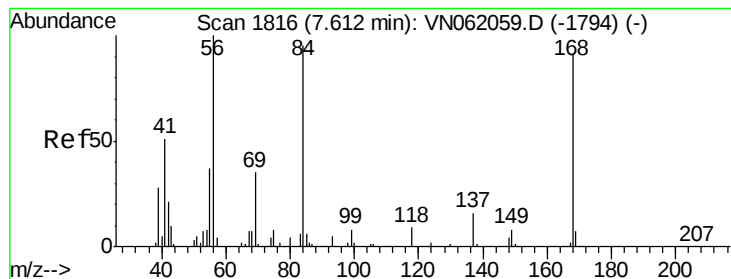
85 66.2 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 63.749 ug/l

RT: 7.60 min Scan# 1813

Delta R.T. -0.01 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

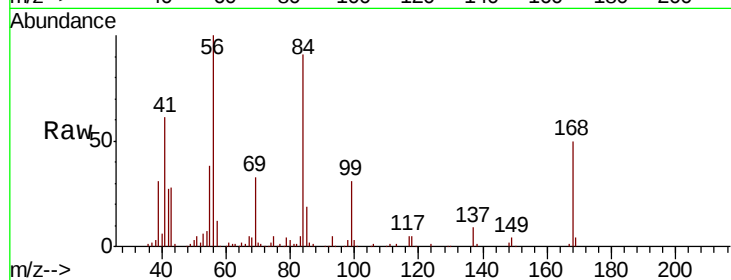
Tot Ion: 56 Resp: 291267

Ion Ratio Lower Upper

56 100

69 32.0 28.0 42.0

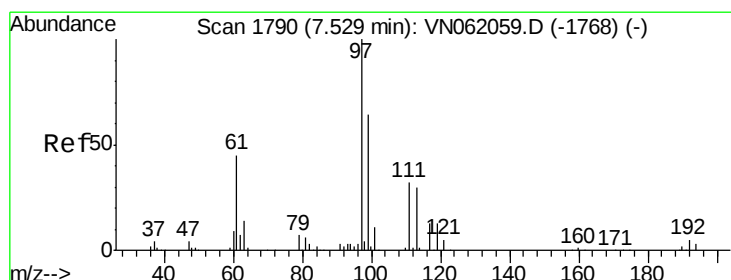
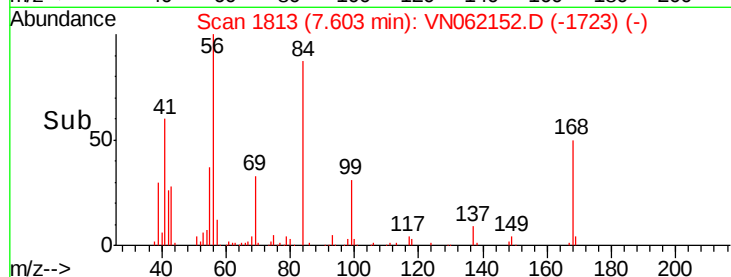
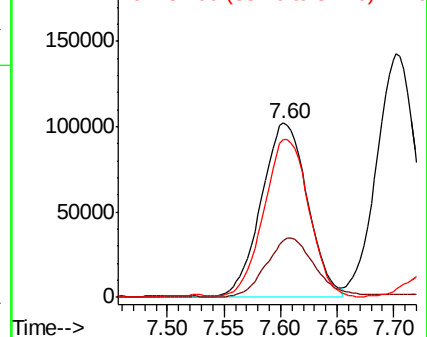
84 89.0 76.1 114.1



Abundance Ion 56.00 (55.70 to 56.70): VN062152.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062152.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062152.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 48.440 ug/l

RT: 7.52 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

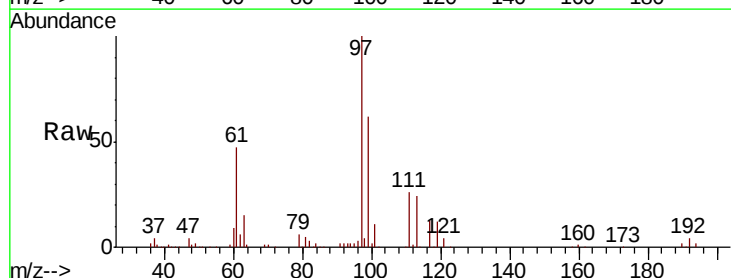
Tgt Ion: 97 Resp: 224501

Ion Ratio Lower Upper

97 100

99 63.9 51.0 76.4

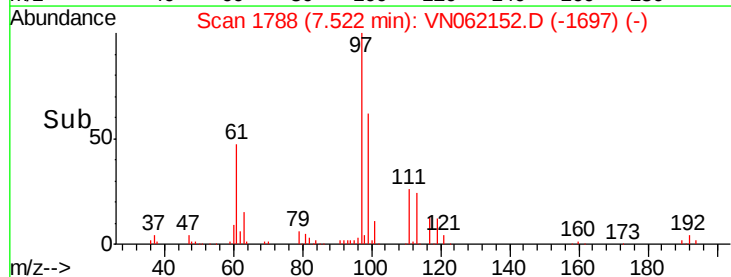
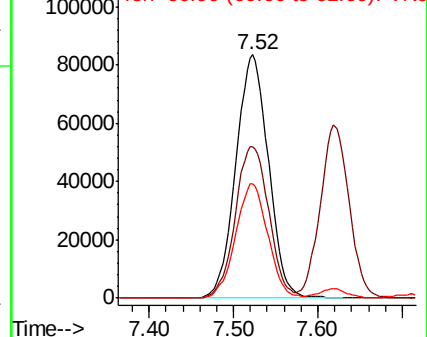
61 46.6 36.2 54.2

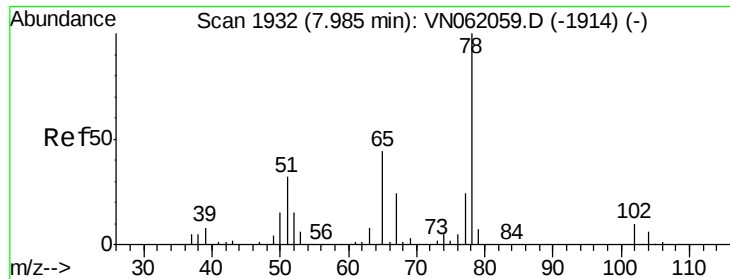


Abundance Ion 96.90 (96.60 to 97.60): VN062152.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN062152.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN062152.D (-1697) (-)

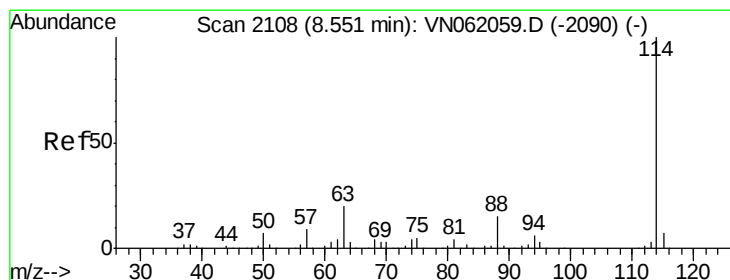
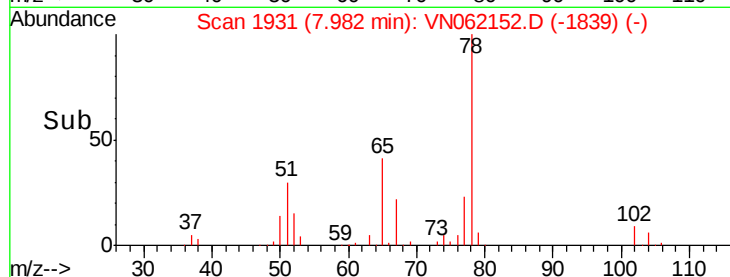
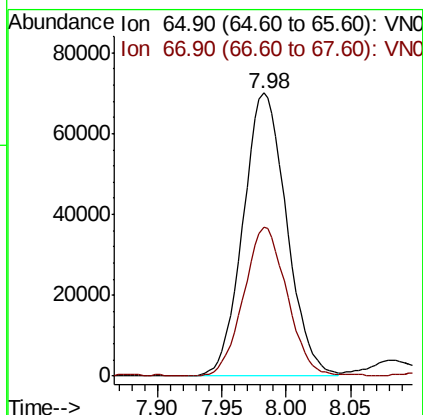
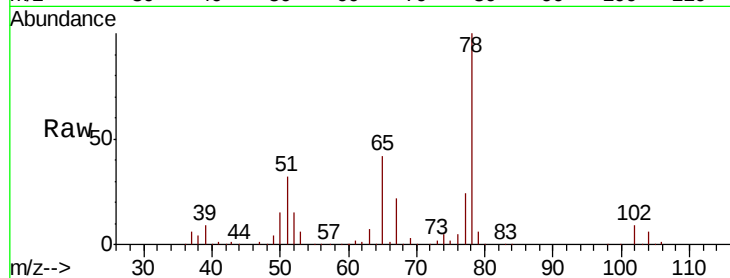




#33
 1,2-Dichloroethane-d4
 Concen: 49.881 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

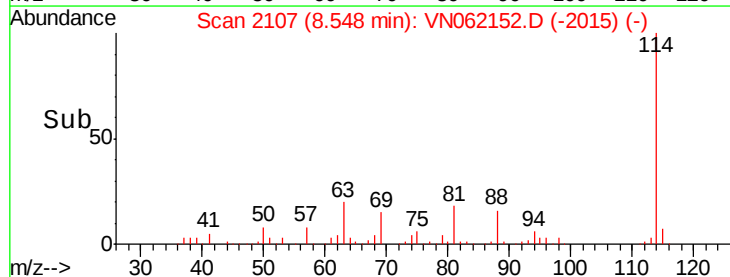
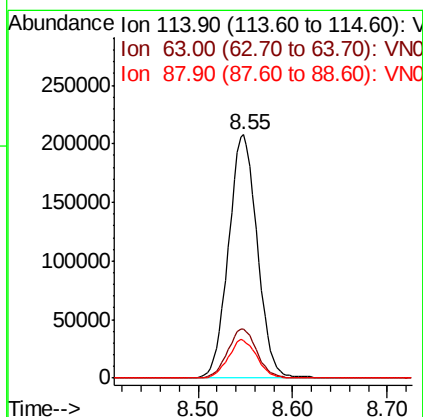
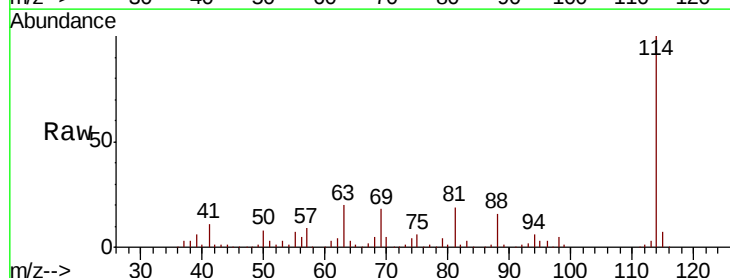
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

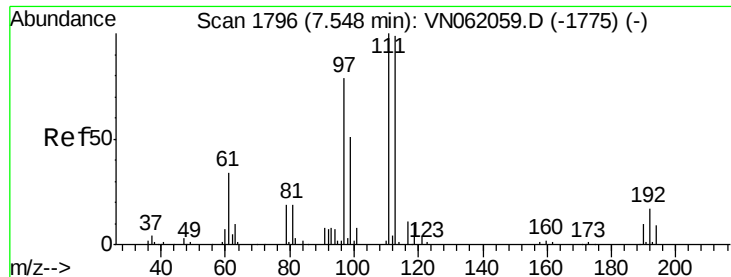
Tot Ion: 65 Resp: 164958
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Tgt Ion: 114 Resp: 437930
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.2
 88 15.5 0.0 30.8

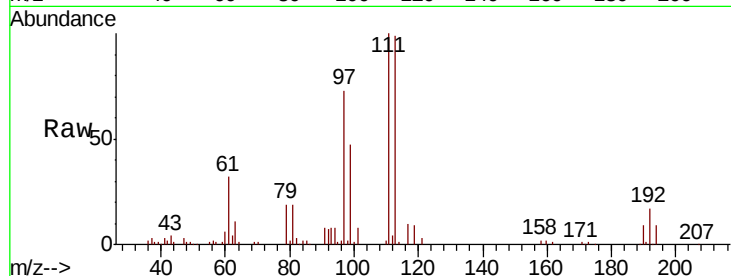




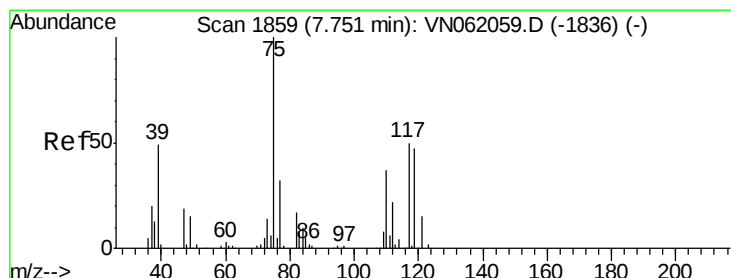
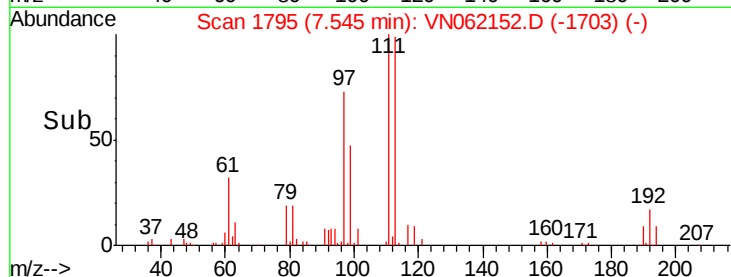
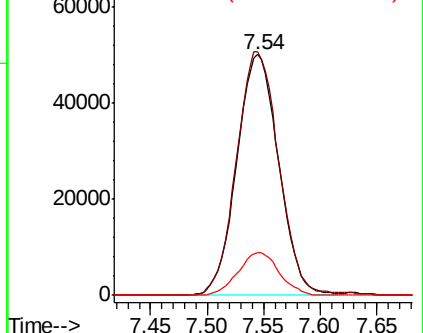
#35
 Dibromofluoromethane
 Concen: 45.828 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.4
192	17.5	14.0	21.0

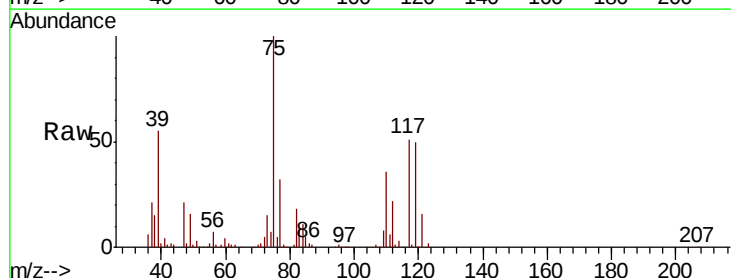


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

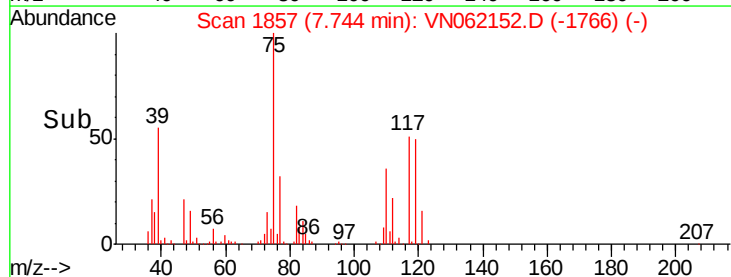
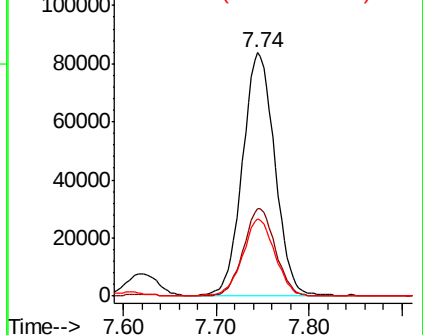


#36
 1,1-Dichloropropene
 Concen: 45.896 ug/l
 RT: 7.74 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.9	53.8
77	31.9	24.9	37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

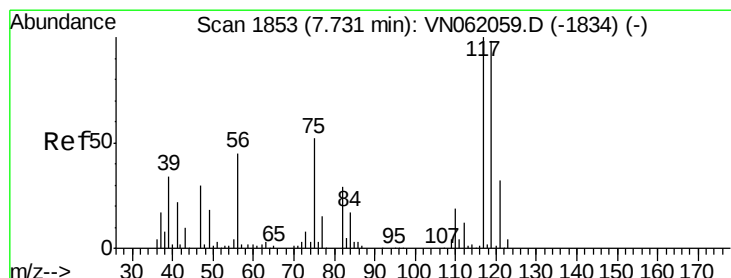
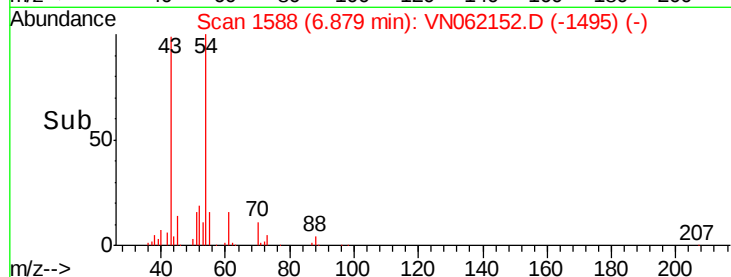
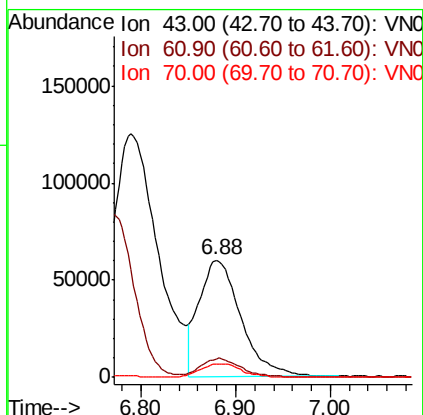
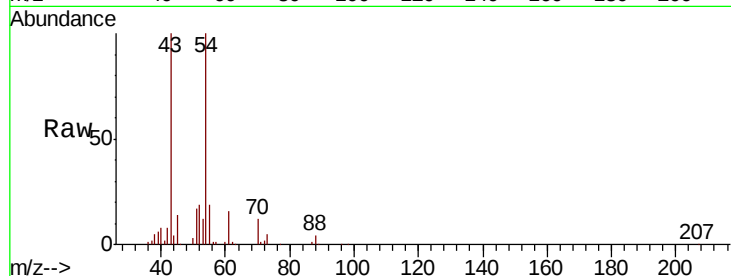




#37
Ethyl Acetate
Concen: 50.358 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

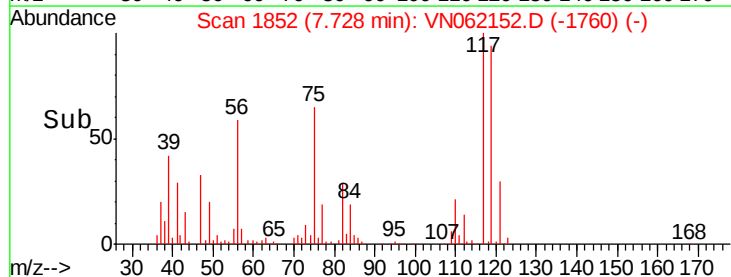
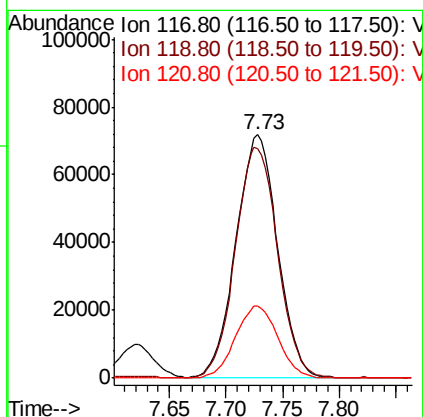
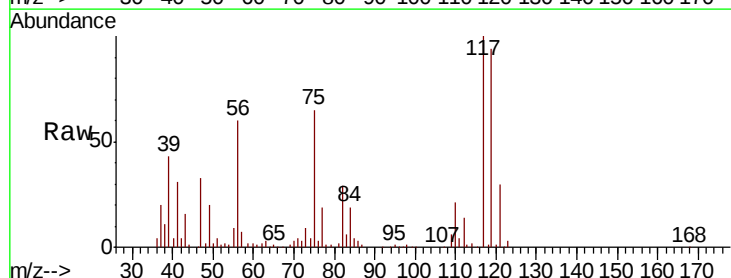
Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion: 43 Resp: 183554
Ion Ratio Lower Upper
43 100
61 16.0 12.0 18.0
70 11.7 9.6 14.4



#38
Carbon Tetrachloride
Concen: 44.055 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion: 117 Resp: 182828
Ion Ratio Lower Upper
117 100
119 94.5 78.2 117.2
121 29.9 25.8 38.6

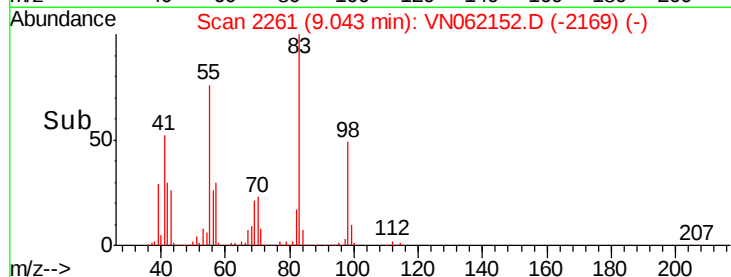
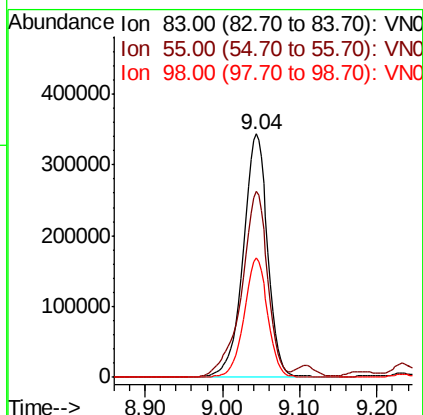
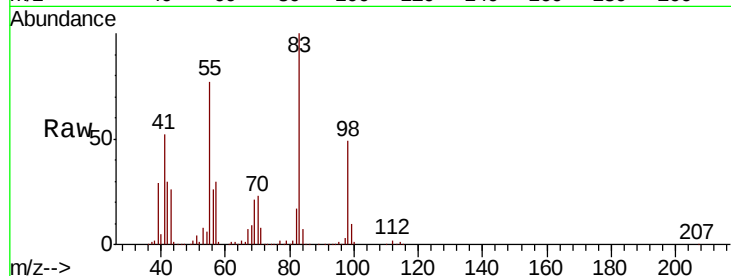




#39
Methvlcvclohexane
Concen: 157.185 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

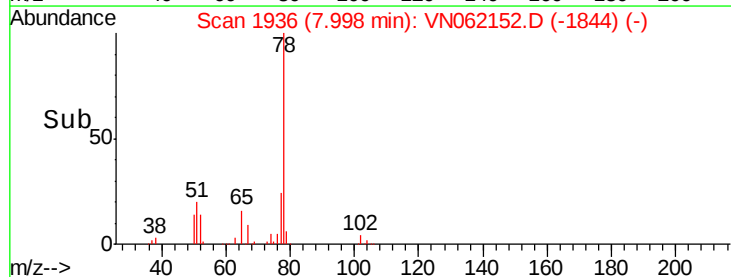
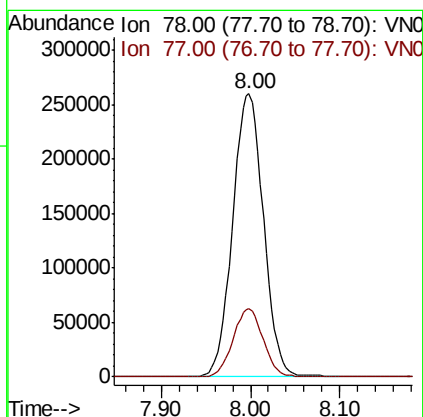
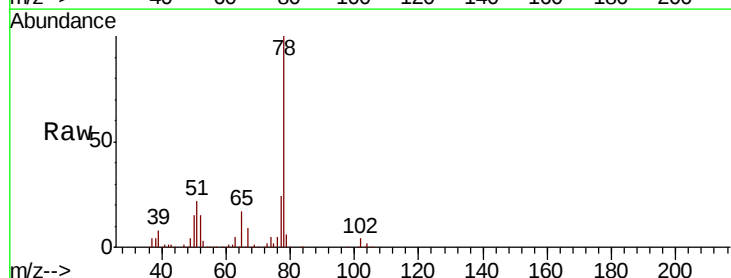
Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

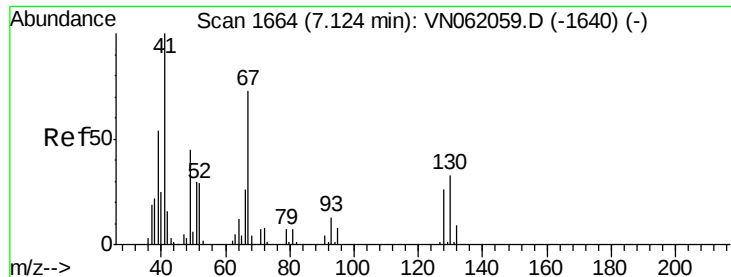
Tot Ion: 83 Resp: 758111
Ion Ratio Lower Upper
83 100
55 76.5 57.0 85.6
98 48.9 39.0 58.6



#40
Benzene
Concen: 46.452 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion: 78 Resp: 623232
Ion Ratio Lower Upper
78 100
77 24.1 19.5 29.3

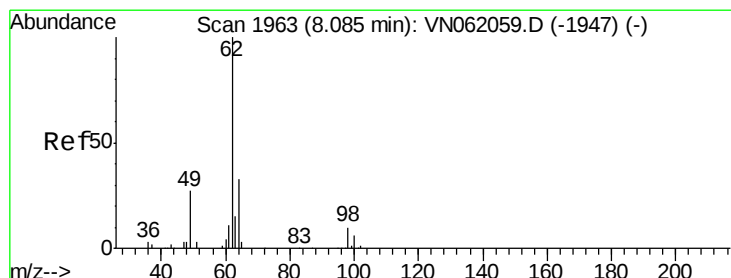
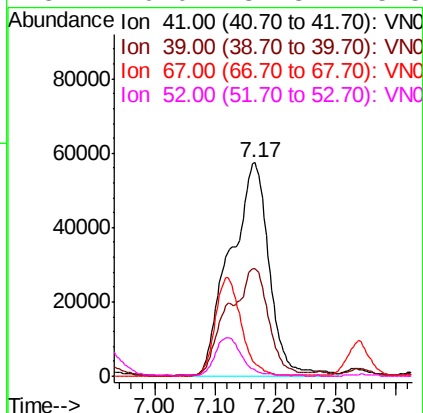
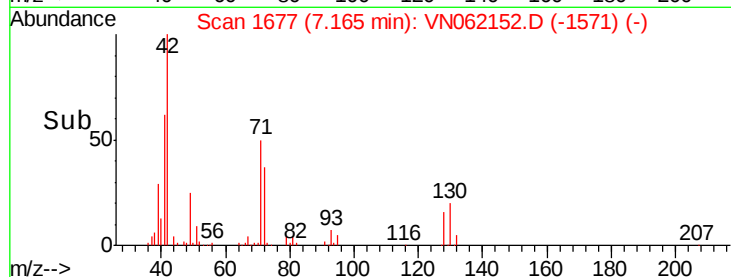
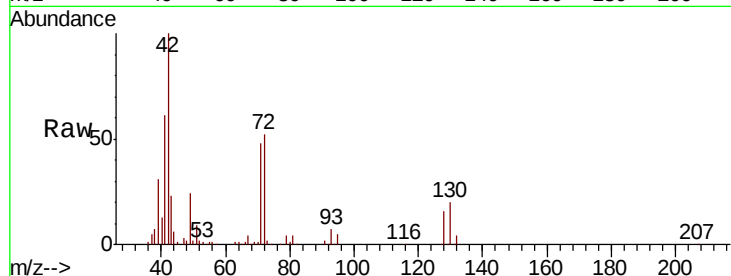




#41
Methacrylonitrile
Concen: 154.293 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.04 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

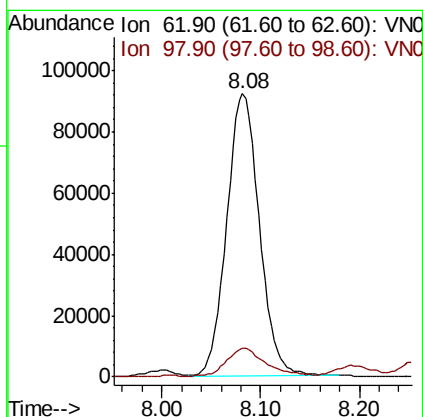
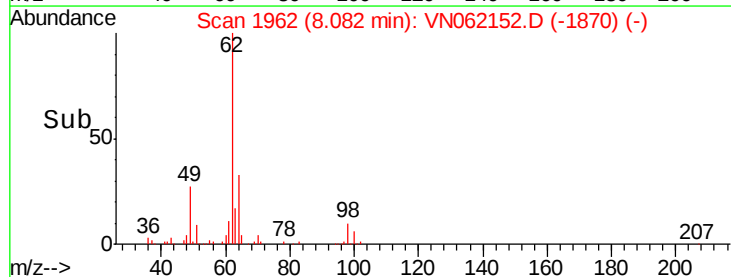
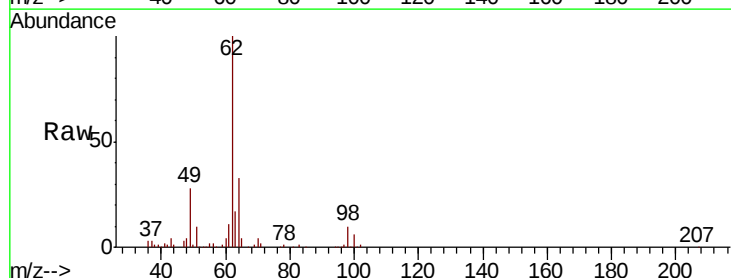
Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

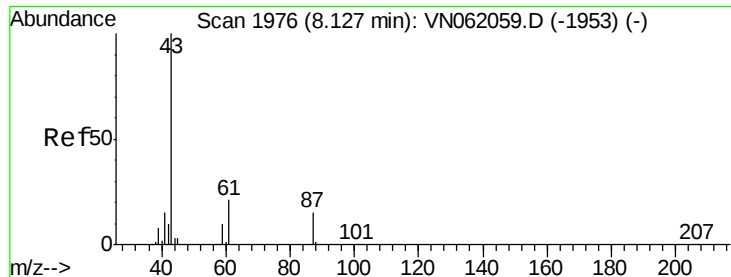
Tot Ion: 41 Resp: 260728
Ion Ratio Lower Upper
41 100
39 29.4 44.2 66.2#
67 0.0 79.5 119.3#
52 0.0 32.3 48.5#



#42
1,2-Dichloroethane
Concen: 47.016 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion: 62 Resp: 213125
Ion Ratio Lower Upper
62 100
98 11.8 0.0 19.8





#43

Isopropyl Acetate

Concen: 70.568 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

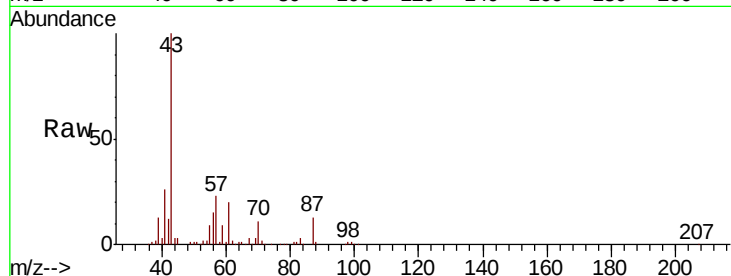
Tot Ion: 43 Resp: 419306

Ion Ratio Lower Upper

43 100

61 15.4 17.2 25.8#

87 10.5 12.1 18.1#

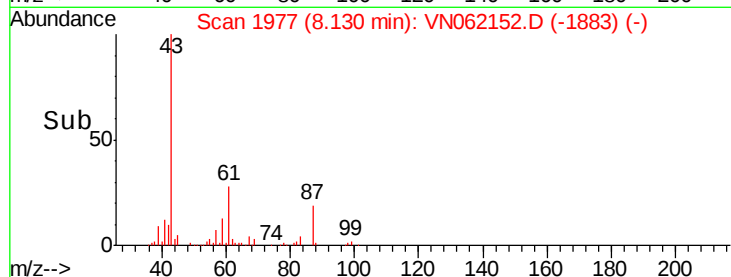


Abundance Ion 43.00 (42.70 to 43.70): VN062152.D (-1953) (-)

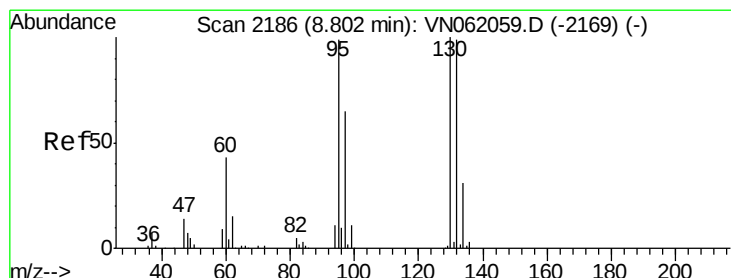
Ion 61.00 (60.70 to 61.70): VN062152.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN062152.D (-1953) (-)

8.13



Time-->



#44

Trichloroethene

Concen: 47.131 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062152.D

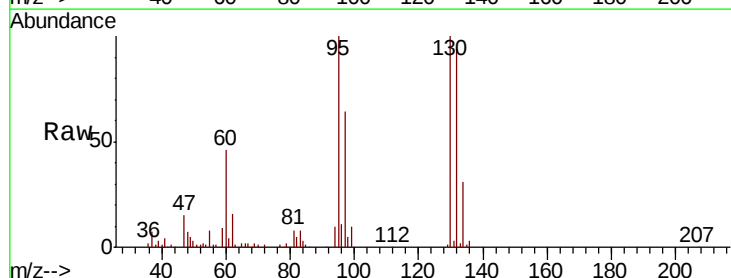
Acq: 26 Jun 2020 20:15

Tgt Ion:130 Resp: 159510

Ion Ratio Lower Upper

130 100

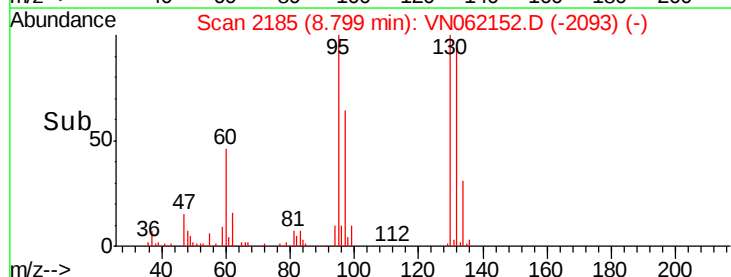
95 100.1 0.0 197.8



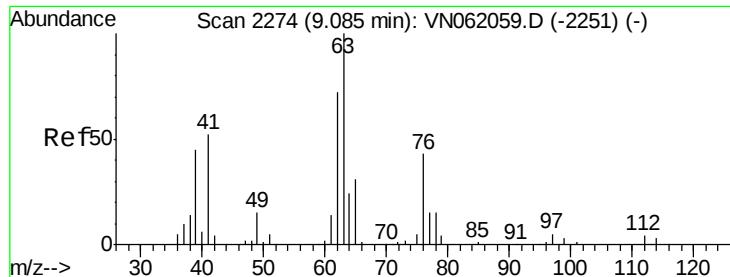
Abundance Ion 129.80 (129.50 to 130.50): VN062152.D (-2169) (-)

Ion 94.90 (94.60 to 95.60): VN062152.D (-2169) (-)

8.80



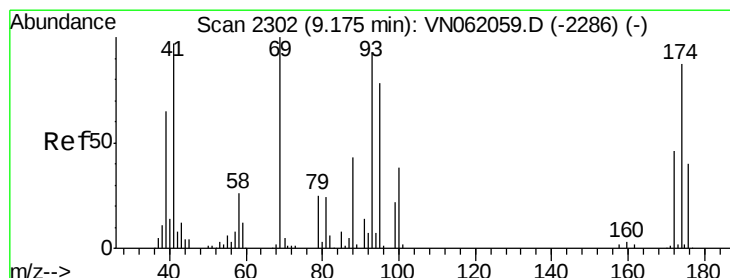
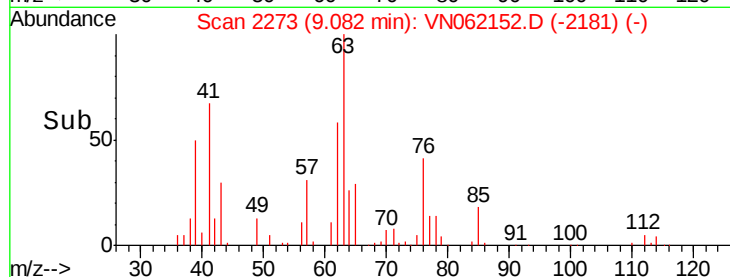
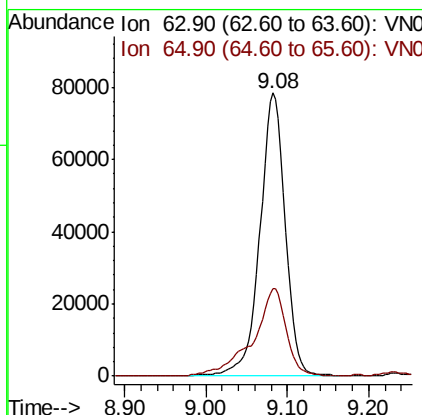
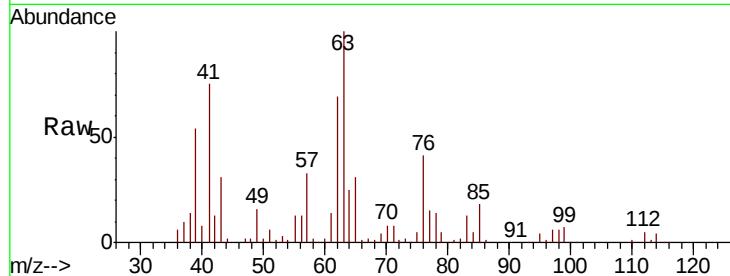
Time-->



#45
 1,2-Dichloropropane
 Concen: 51.260 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

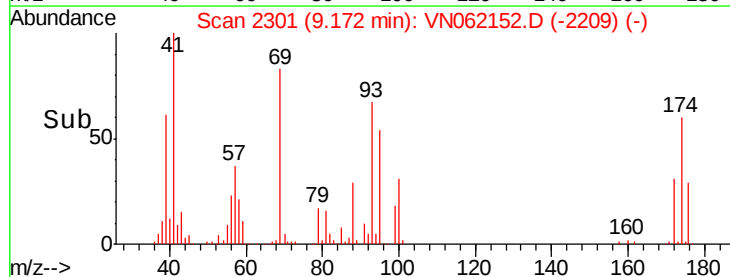
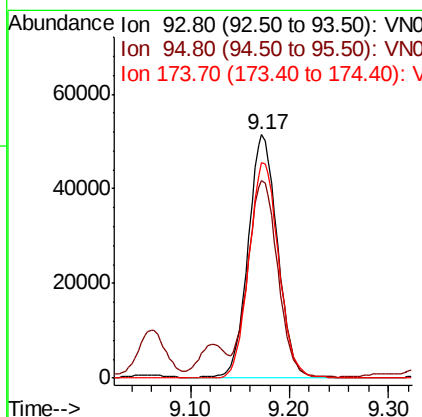
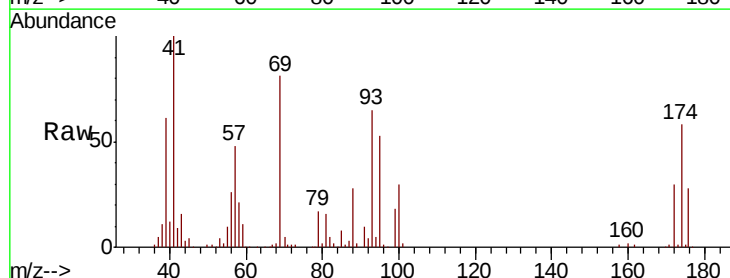
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

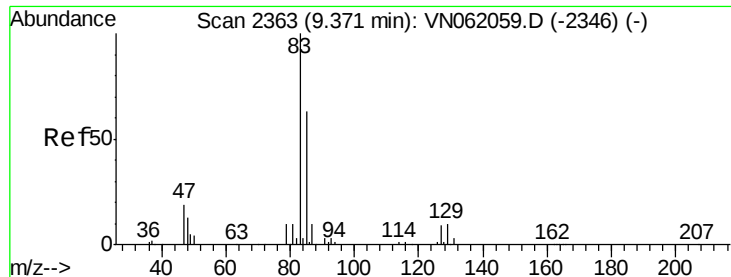
Tot Ion: 63 Resp: 169670
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.4



#46
 Dibromomethane
 Concen: 47.259 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Tgt Ion: 93 Resp: 106057
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.0 100.6
 174 89.3 74.4 111.6





#47

Bromodichloromethane

Concen: 56.349 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

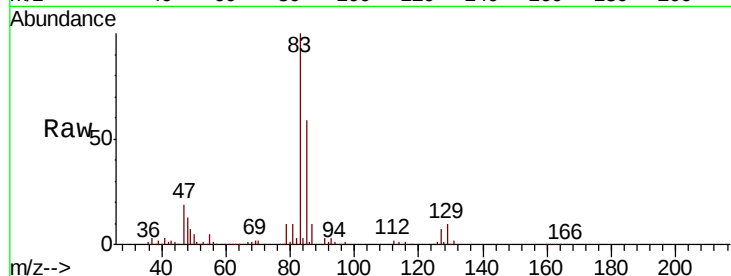
Tot Ion: 83 Resp: 255332

Ion Ratio Lower Upper

83 100

85 58.8 50.3 75.5

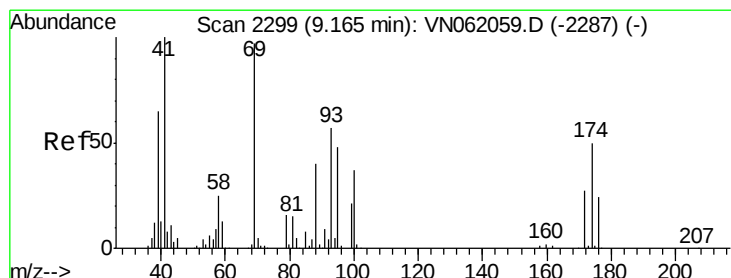
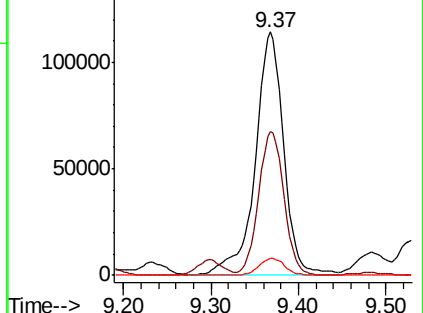
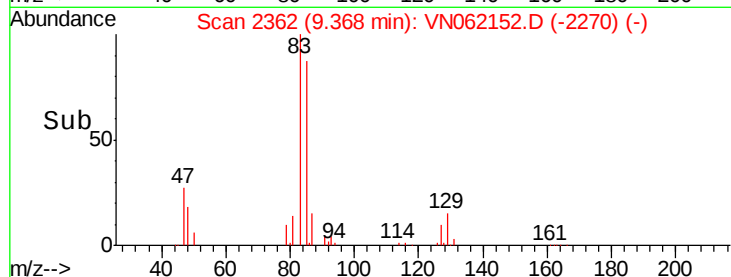
127 6.8 6.9 10.3#



Abundance Ion 82.90 (82.60 to 83.60): VN062152.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062152.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062152.D (-2270) (-)



#48

Methyl methacrylate

Concen: 55.494 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. 0.01 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

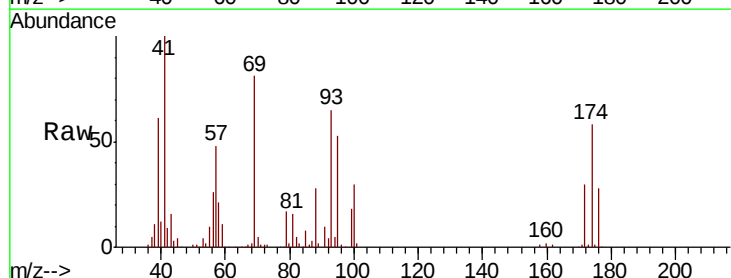
Tgt Ion: 41 Resp: 147846

Ion Ratio Lower Upper

41 100

69 87.4 80.7 121.1

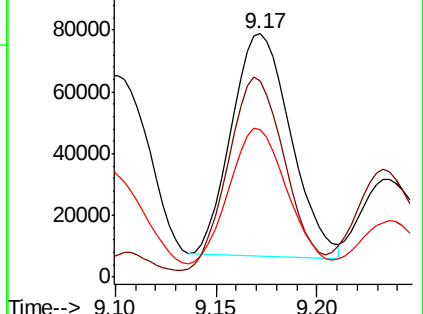
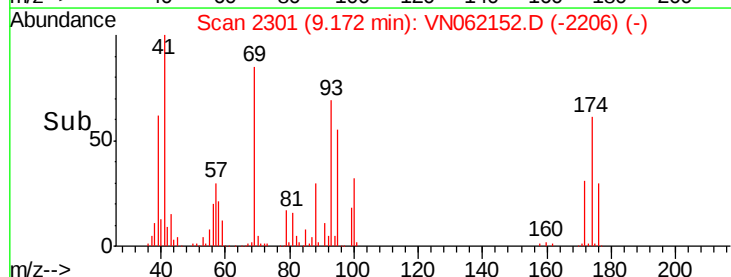
39 65.4 54.5 81.7



Abundance Ion 41.00 (40.70 to 41.70): VN062152.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN062152.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN062152.D (-2206) (-)

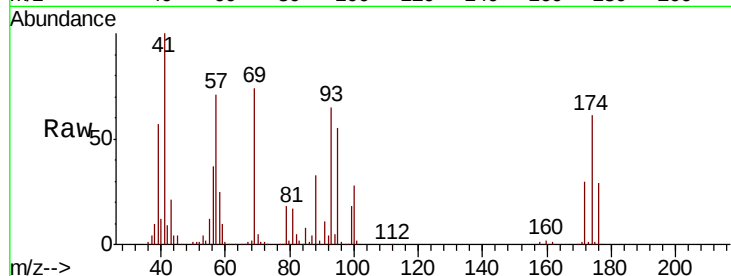




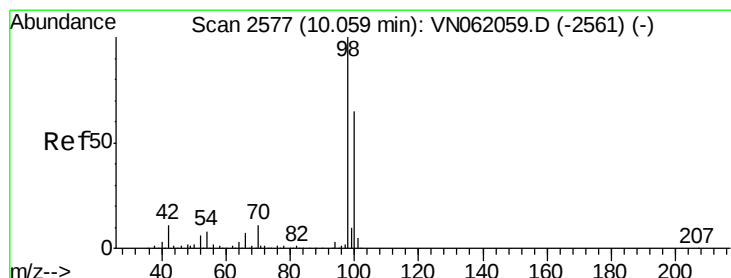
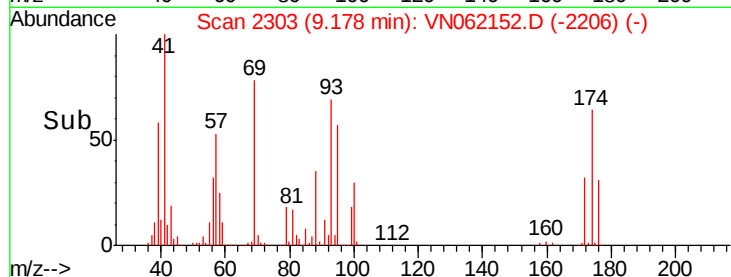
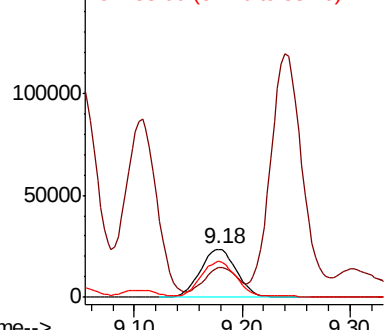
#49
1,4-Dioxane
Concen: 942.292 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.01 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion: 88 Resp: 55672
Ion Ratio Lower Upper
88 100
43 55.2 22.0 33.0#
58 68.1 49.2 73.8

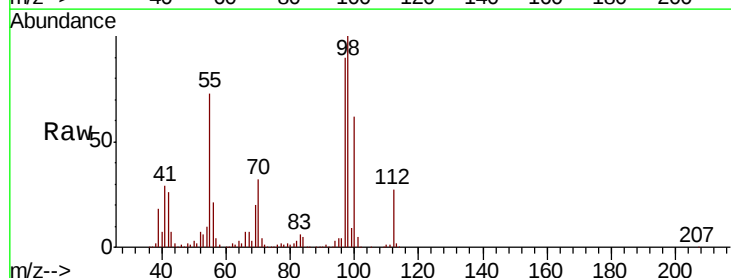


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

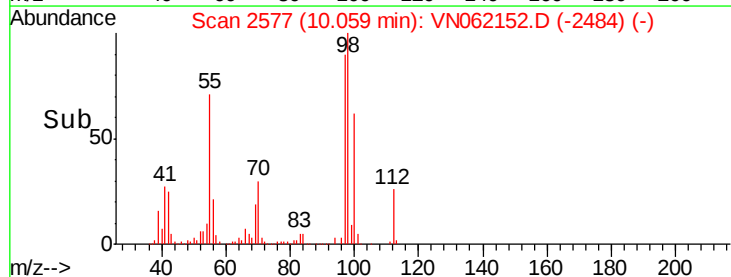
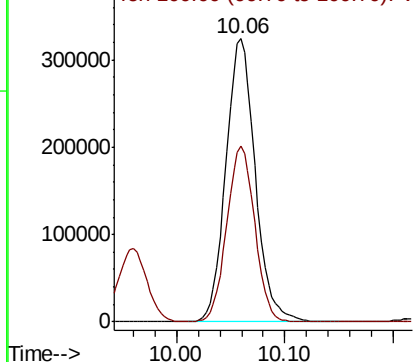


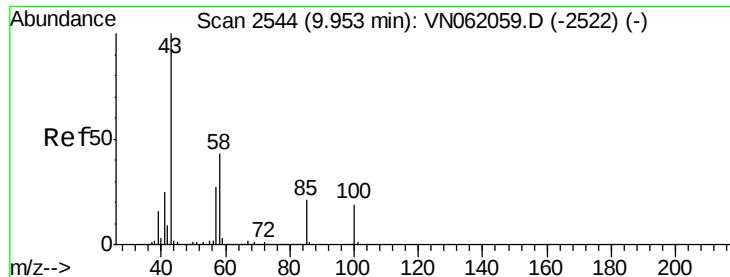
#50
Toluene-d8
Concen: 54.744 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion: 98 Resp: 614812
Ion Ratio Lower Upper
98 100
100 59.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 353.542 ug/l

RT: 9.96 min Scan# 2546

Delta R.T. 0.01 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

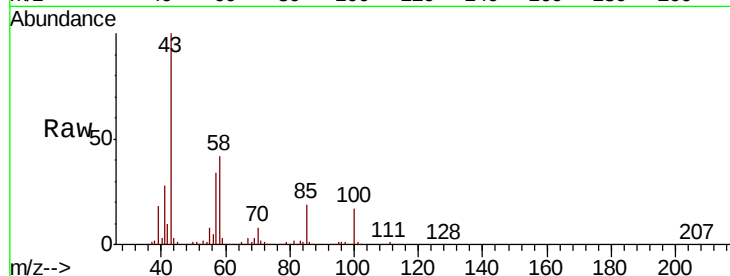
MW-27(16.5-18.5)MSD

Tot Ion: 43 Resp: 1227356

Ion Ratio Lower Upper

43 100

58 38.3 34.2 51.2



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-2522) (-)

Ion 58.00 (57.70 to 58.70): VN062059.D (-2522) (-)

9.96

500000

400000

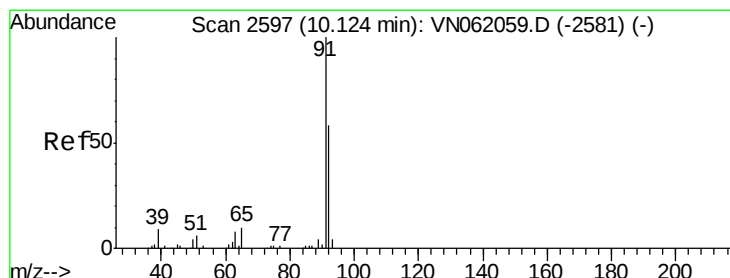
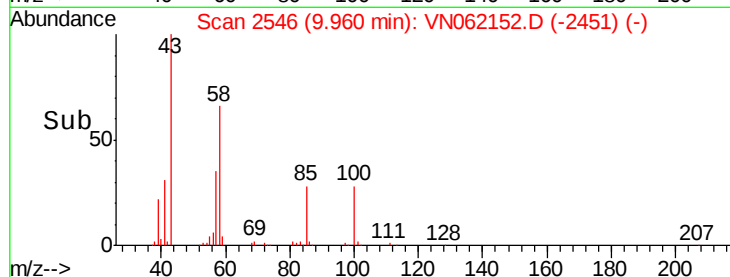
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.820 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062152.D

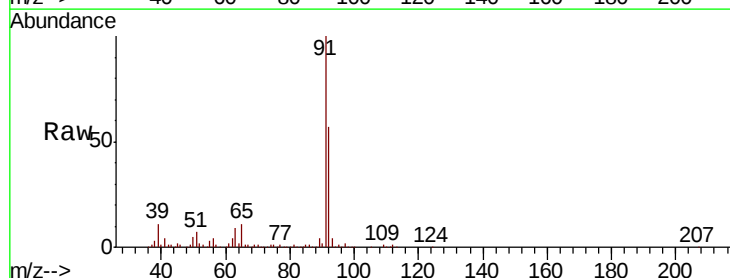
Acq: 26 Jun 2020 20:15

Tgt Ion: 92 Resp: 424206

Ion Ratio Lower Upper

92 100

91 172.8 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN062059.D (-2581) (-)

Ion 91.00 (90.70 to 91.70): VN062059.D (-2581) (-)

10.12

400000

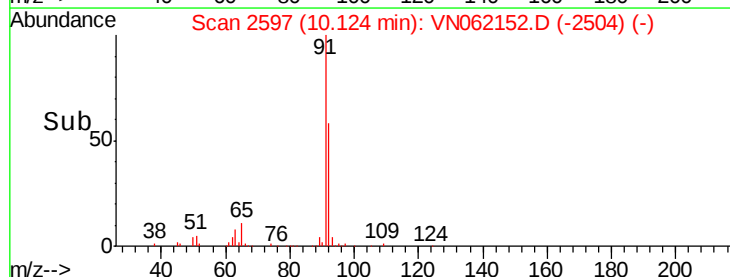
300000

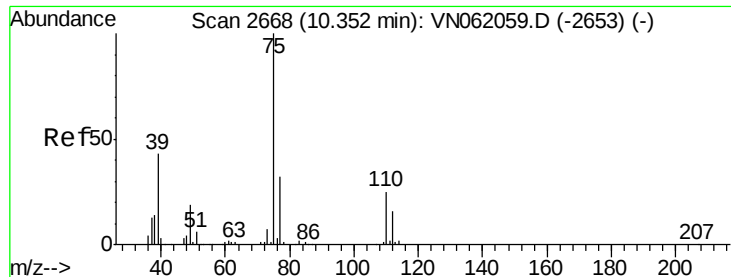
200000

100000

0

Time-->

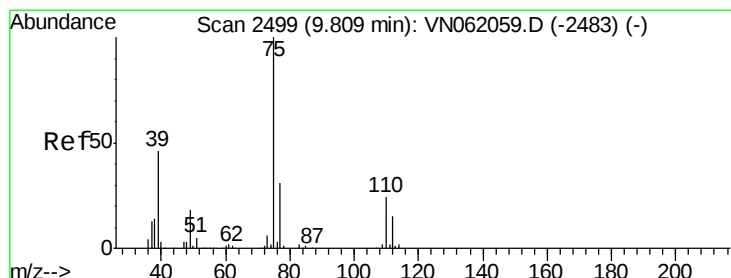
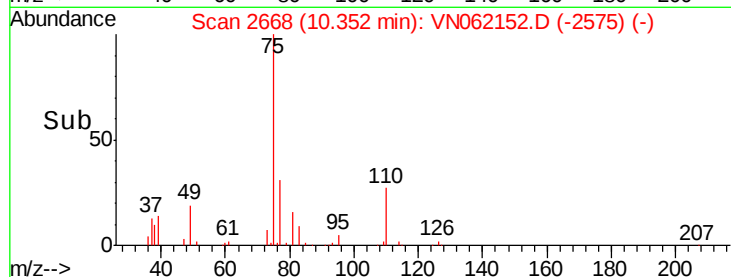
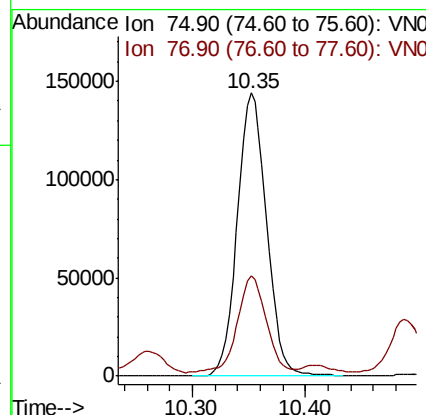
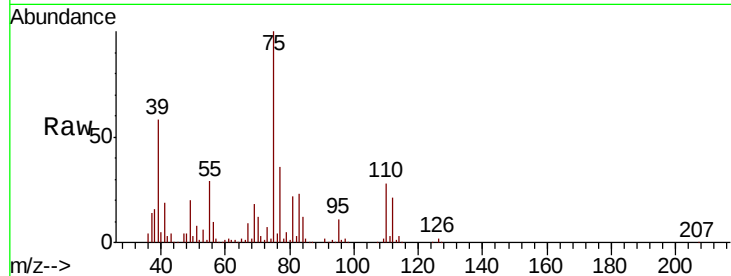




#53
t-1,3-Dichloropropene
Concen: 52.031 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

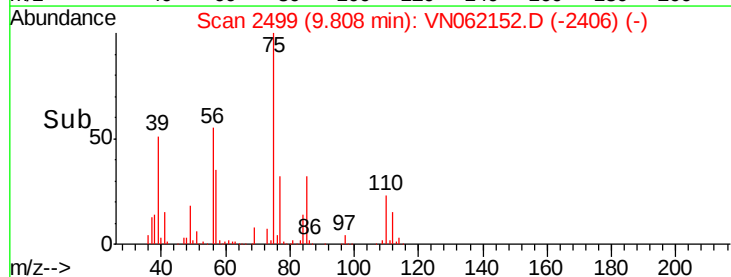
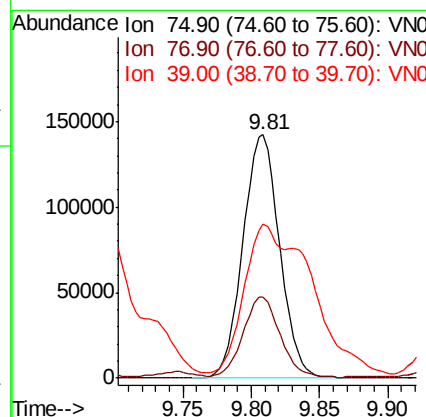
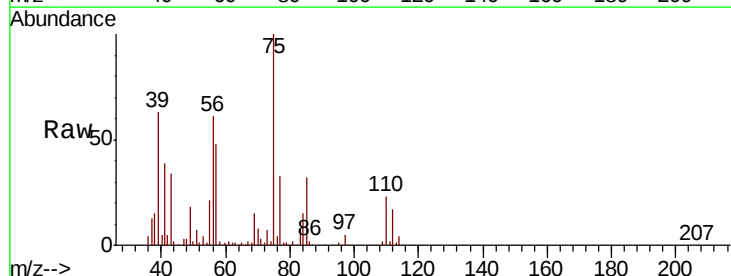
Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

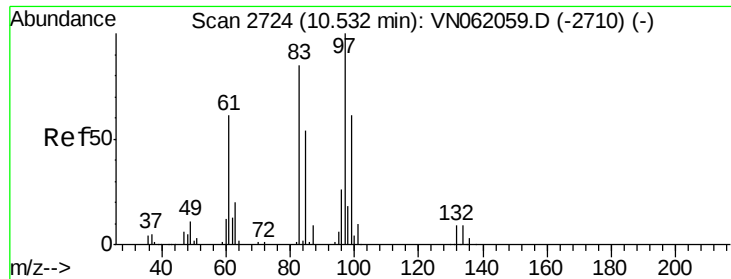
Tot Ion: 75 Resp: 259389
Ion Ratio Lower Upper
75 100
77 34.1 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 50.157 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion: 75 Resp: 266211
Ion Ratio Lower Upper
75 100
77 32.8 25.0 37.6
39 59.1 36.9 55.3#

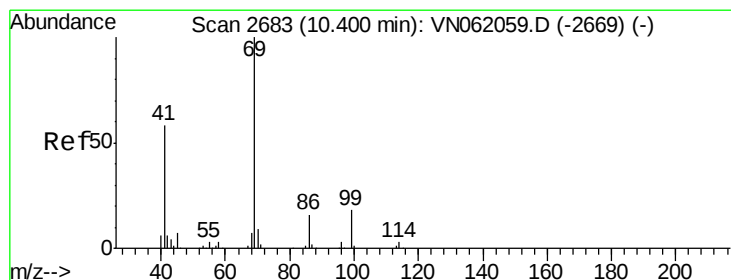
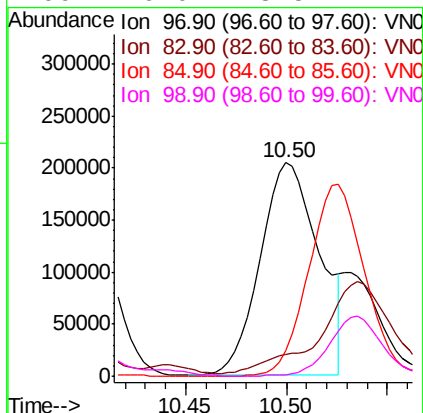
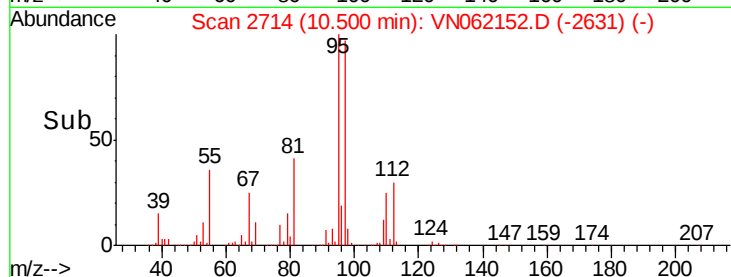
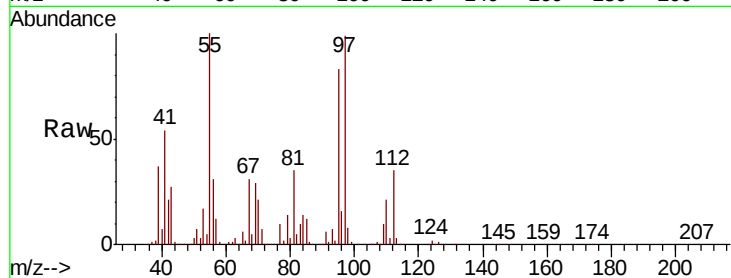




#55
 1,1,2-Trichloroethane
 Concen: 128.991 ug/l
 RT: 10.50 min Scan# 2714
 Delta R.T. -0.03 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

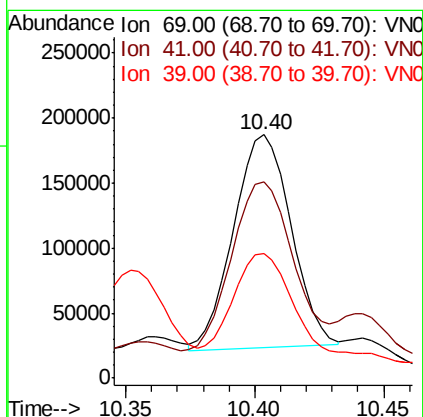
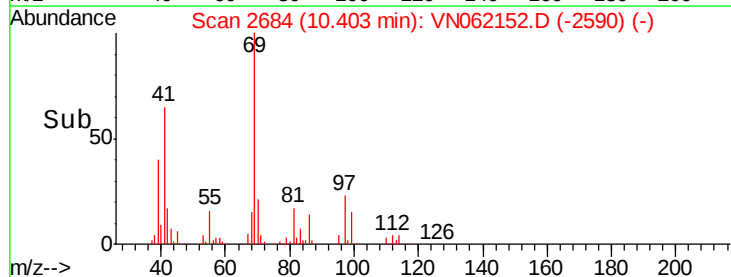
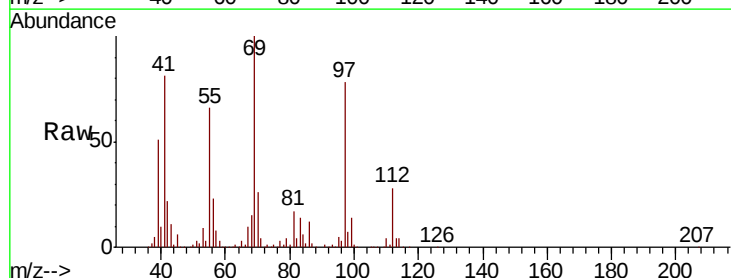
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

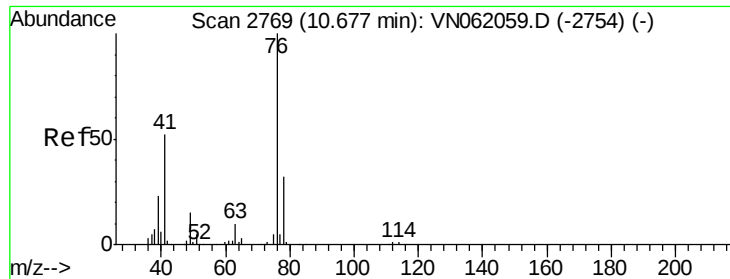
Tot Ion: 97 Resp: 415084
 Ion Ratio Lower Upper
 97 100
 83 6.9 68.2 102.2#
 85 11.7 43.2 64.8#
 99 0.0 48.5 72.7#



#56
 Ethyl methacrylate
 Concen: 59.238 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Tgt Ion: 69 Resp: 254394
 Ion Ratio Lower Upper
 69 100
 41 84.9 46.6 70.0#
 39 64.8 31.0 46.4#

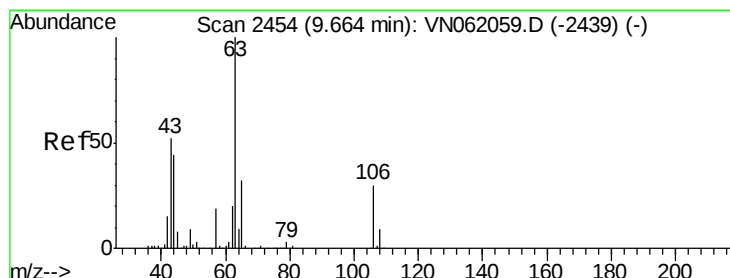
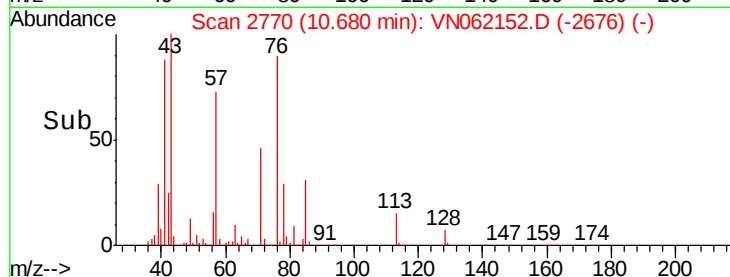
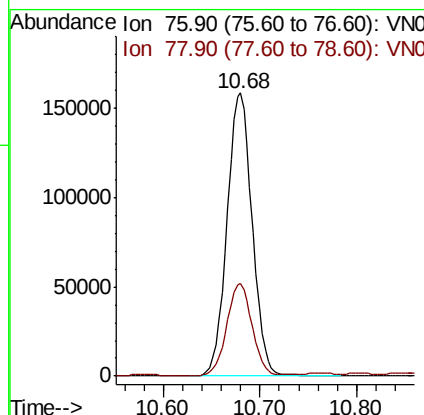
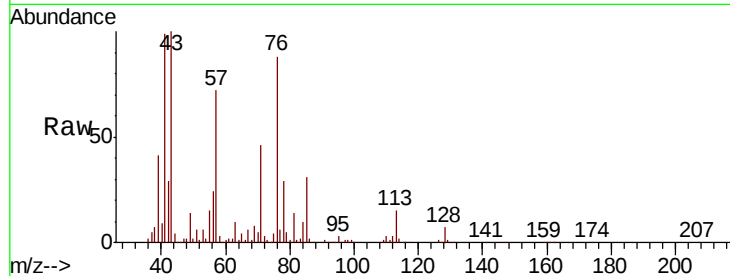




#57
 1,3-Dichloropropane
 Concen: 51.763 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

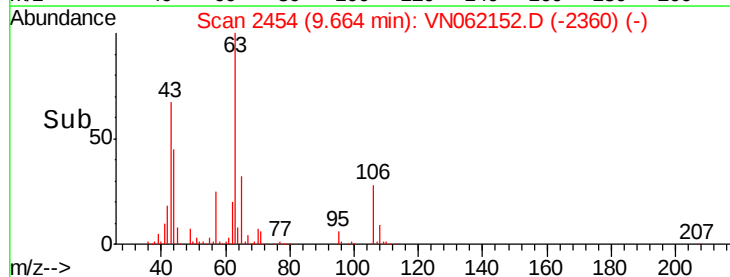
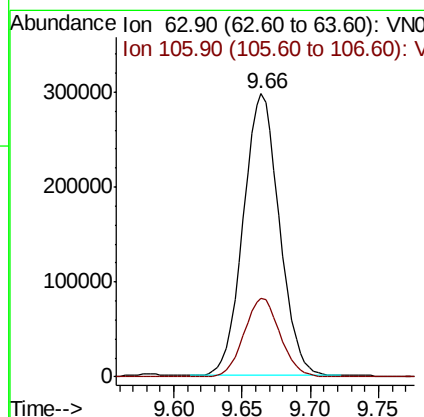
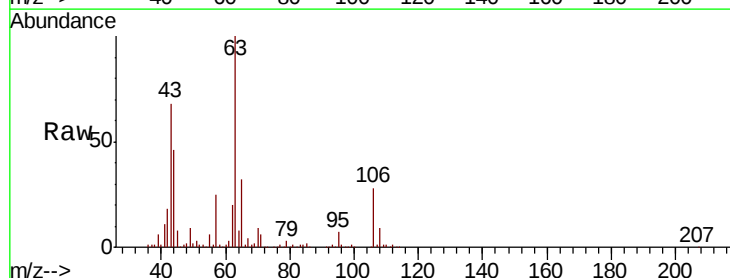
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

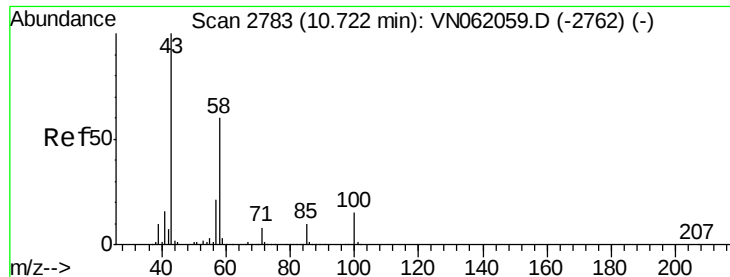
Tot Ion: 76 Resp: 286704
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 293.770 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Tgt Ion: 63 Resp: 542632
 Ion Ratio Lower Upper
 63 100
 106 28.1 23.2 34.8





#59

2-Hexanone

Concen: 257.262 ug/l

RT: 10.73 min Scan# 2785

Delta R.T. 0.01 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

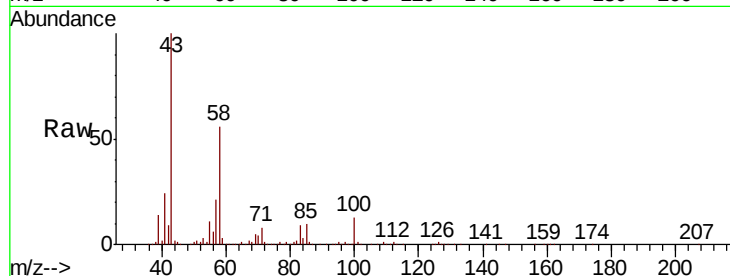
MW-27(16.5-18.5)MSD

Tot Ion: 43 Resp: 644913

Ion Ratio Lower Upper

43 100

58 64.6 29.5 88.5



Abundance Ion 43.00 (42.70 to 43.70): VN062152.D (-2762) (-)

Ion 58.00 (57.70 to 58.70): VN062152.D (-2762) (-)

10.73

400000

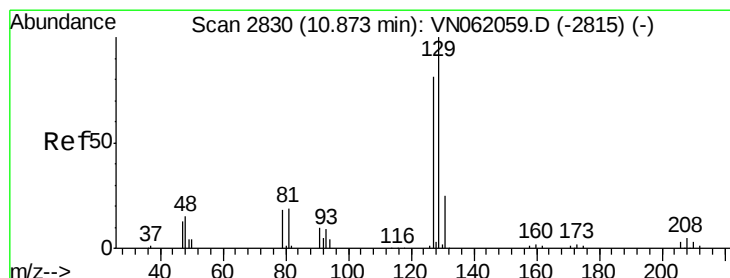
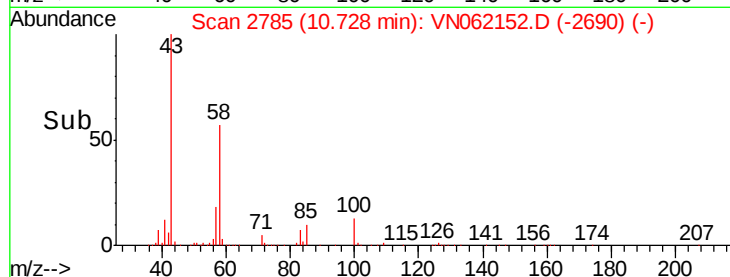
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 49.828 ug/l

RT: 10.88 min Scan# 2831

Delta R.T. 0.00 min

Lab File: VN062152.D

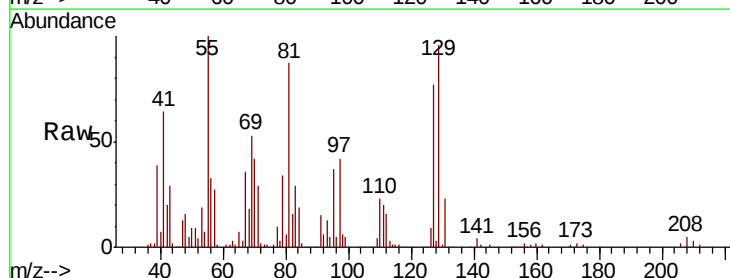
Acq: 26 Jun 2020 20:15

Tgt Ion: 129 Resp: 169756

Ion Ratio Lower Upper

129 100

127 80.1 39.5 118.5



Abundance Ion 128.80 (128.50 to 129.50): VN062152.D (-2737) (-)

Ion 126.80 (126.50 to 127.50): VN062152.D (-2737) (-)

10.88

100000

80000

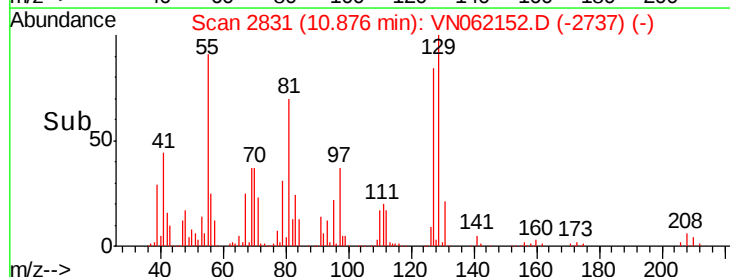
60000

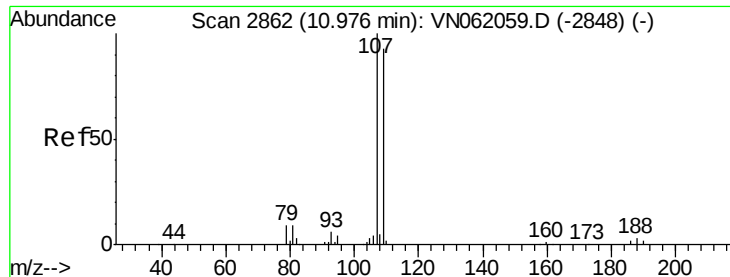
40000

20000

0

Time-->





#61

1,2-Dibromoethane

Concen: 53.100 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

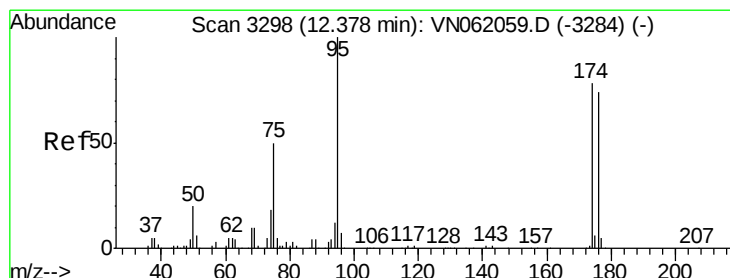
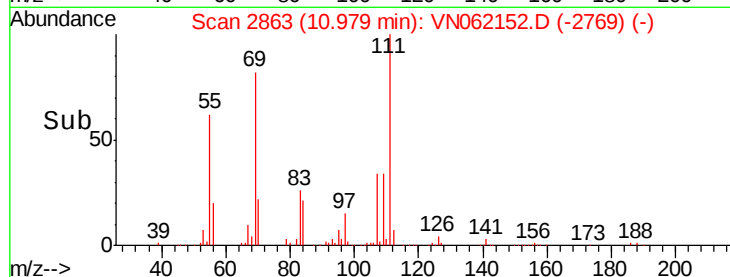
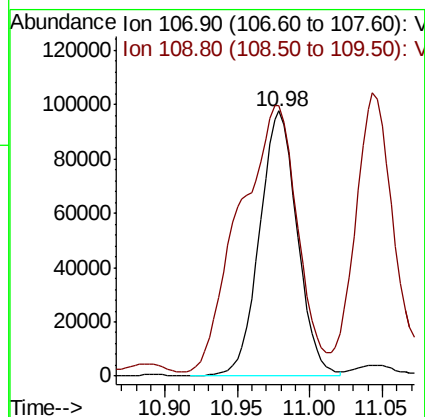
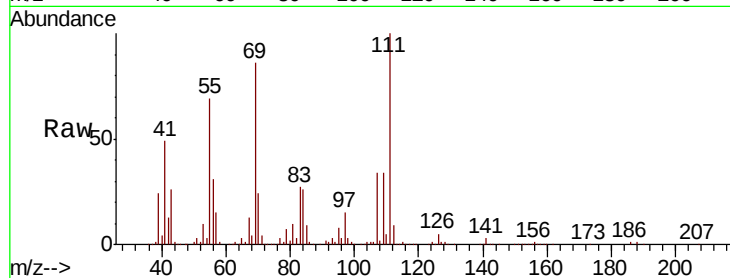
MW-27(16.5-18.5)MSD

Tot Ion:107 Resp: 175574

Ion Ratio Lower Upper

107 100

109 154.9 75.0 112.6#



#62

4-Bromofluorobenzene

Concen: 85.098 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

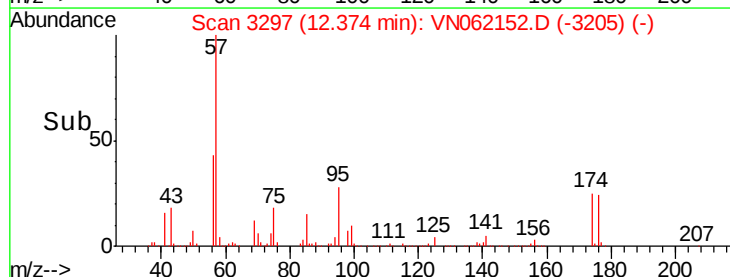
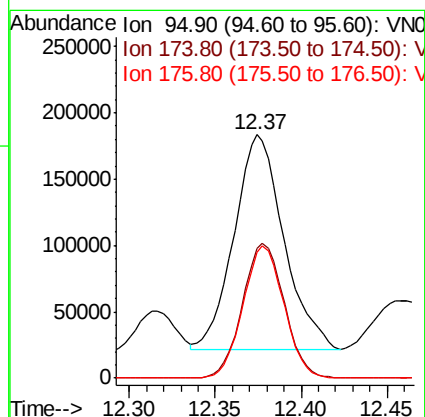
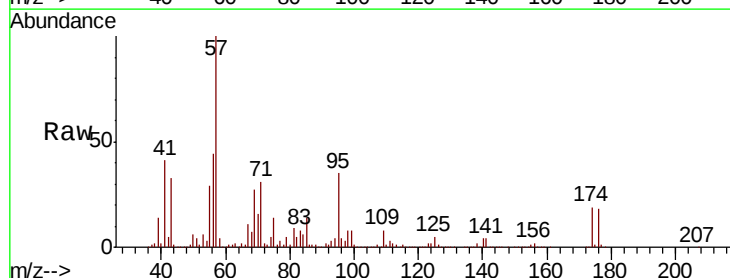
Tgt Ion: 95 Resp: 322893

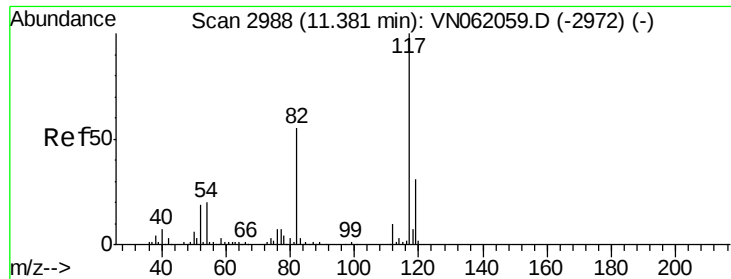
Ion Ratio Lower Upper

95 100

174 53.0 0.0 154.8

176 50.9 0.0 147.4

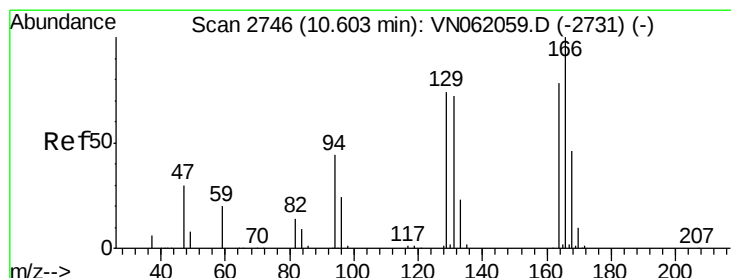
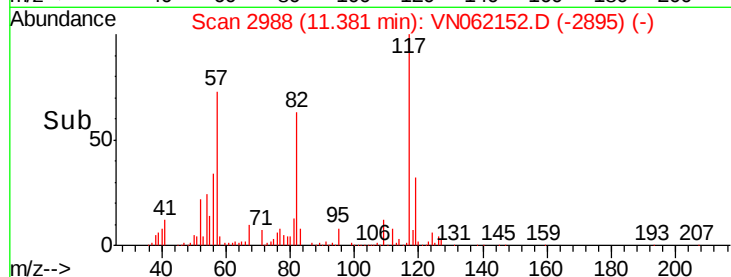
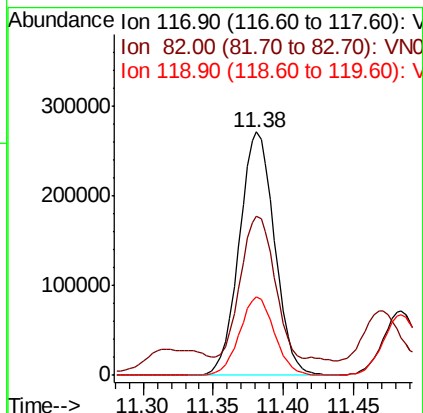
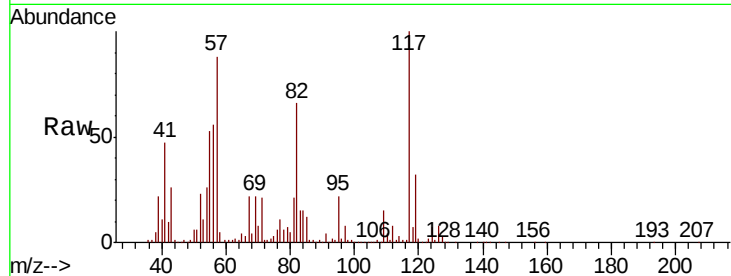




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

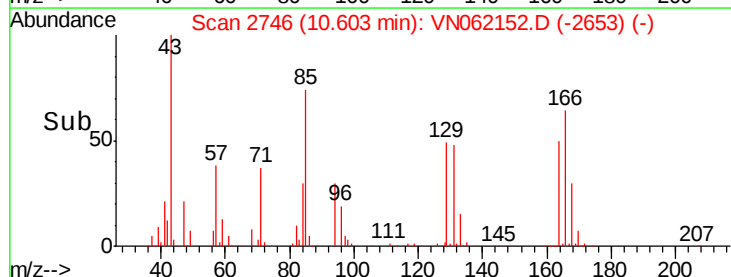
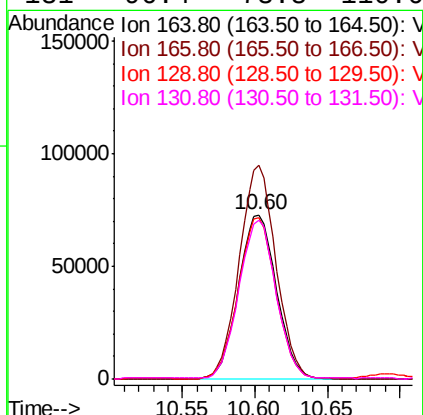
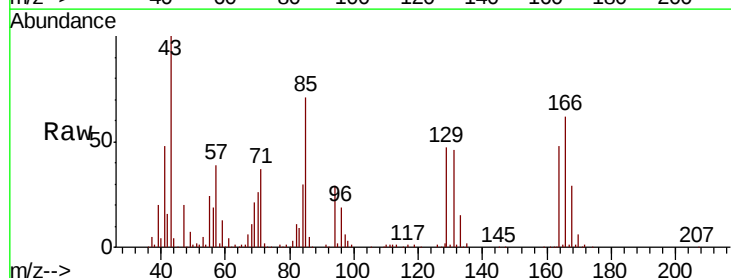
Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

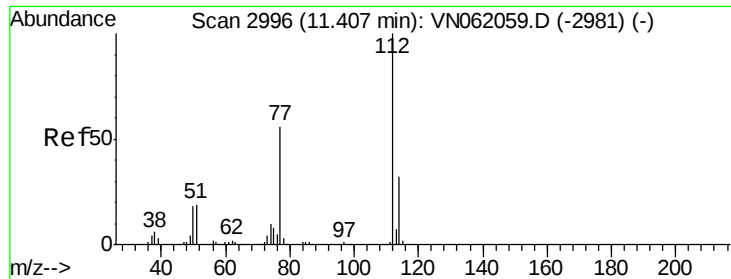
Tot Ion:117 Resp: 475532
Ion Ratio Lower Upper
117 100
82 59.6 43.8 65.8
119 31.9 25.2 37.8



#64
Tetrachloroethene
Concen: 40.908 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion:164 Resp: 132883
Ion Ratio Lower Upper
164 100
166 129.8 102.9 154.3
129 98.1 75.8 113.8
131 96.4 73.8 110.6

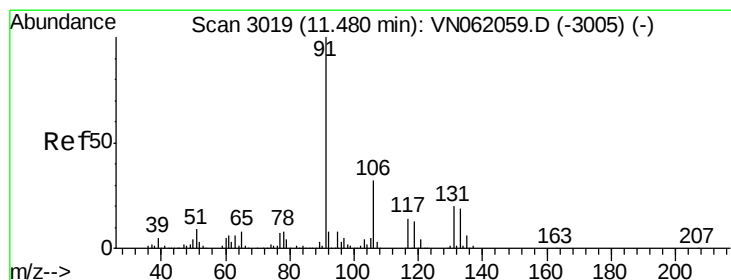
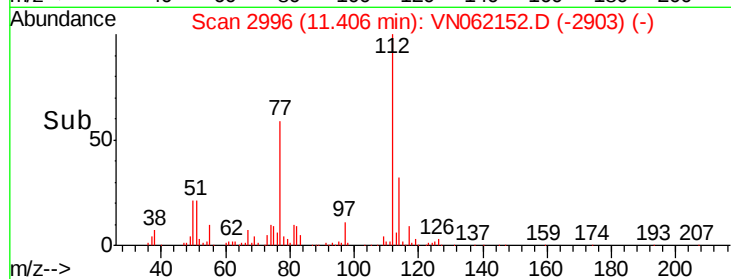
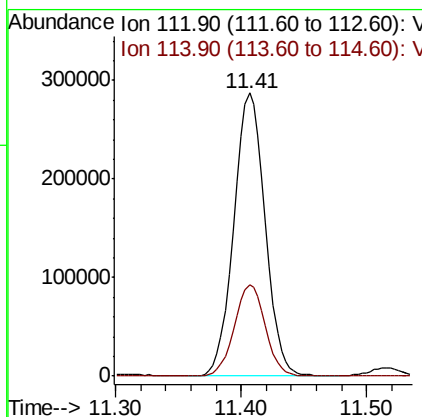
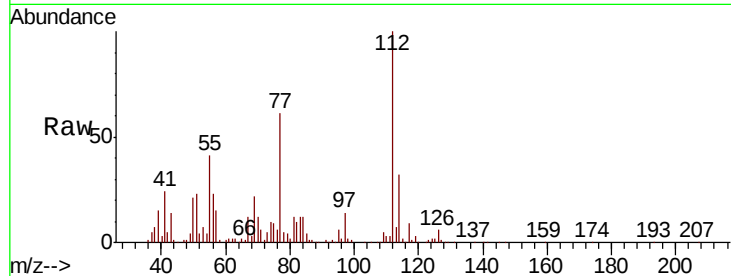




#65
Chlorobenzene
Concen: 47.574 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

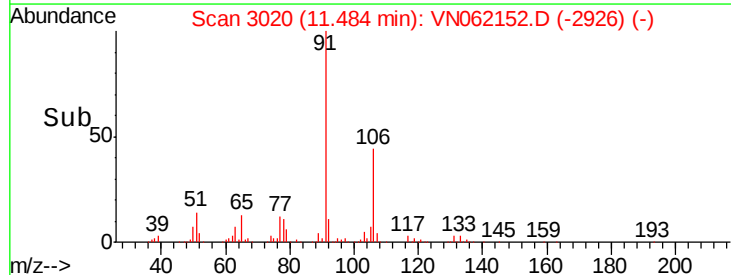
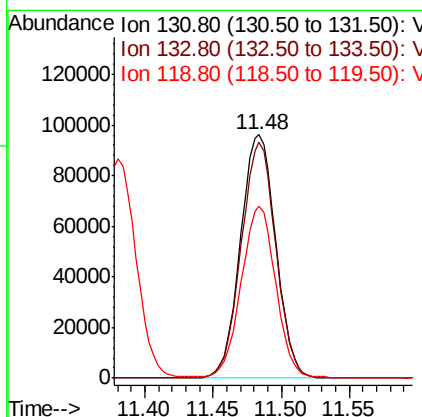
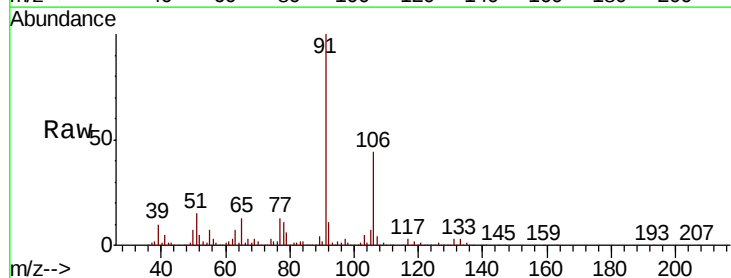
Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

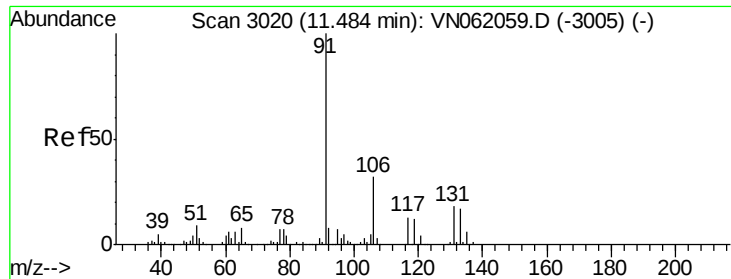
Tot Ion:112 Resp: 496807
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 47.914 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion:131 Resp: 173018
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 68.3 34.4 103.3

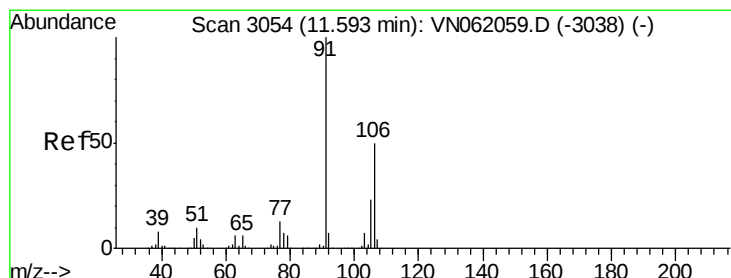
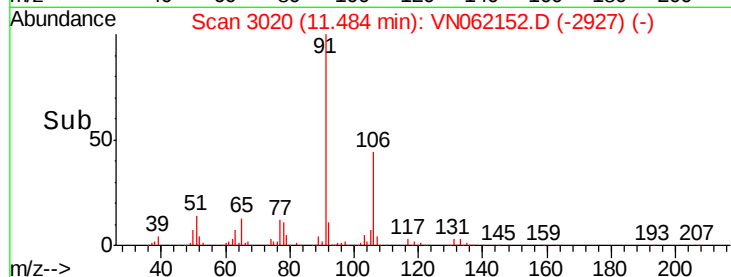
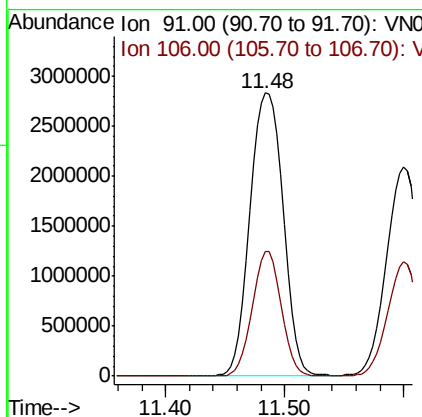
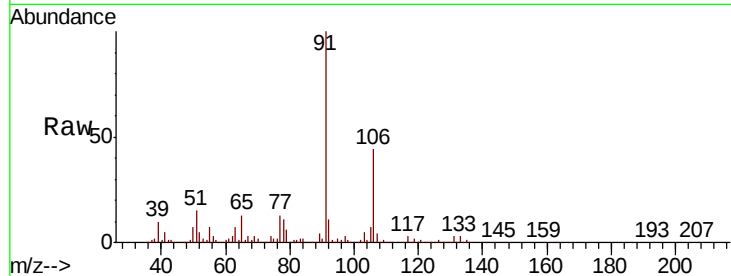




#67
Ethyl Benzene
Concen: 311.267 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

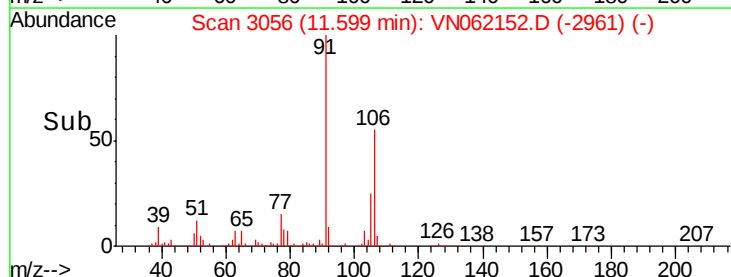
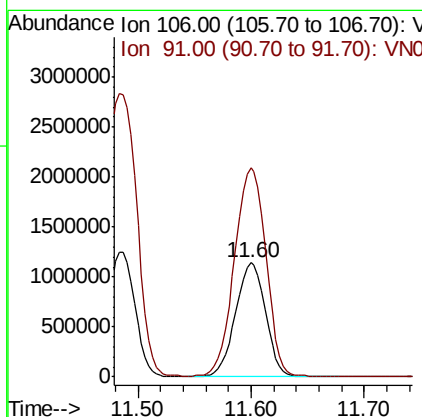
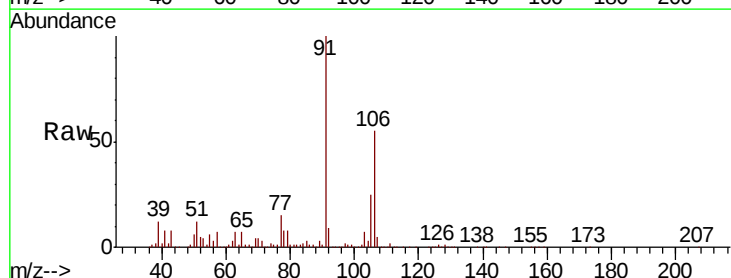
Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion: 91 Resp: 5489666
Ion Ratio Lower Upper
91 100
106 44.1 25.3 37.9#



#68
m/p-Xylenes
Concen: 308.956 ug/l
RT: 11.60 min Scan# 3056
Delta R.T. 0.01 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion:106 Resp: 2107549
Ion Ratio Lower Upper
106 100
91 191.7 157.8 236.8

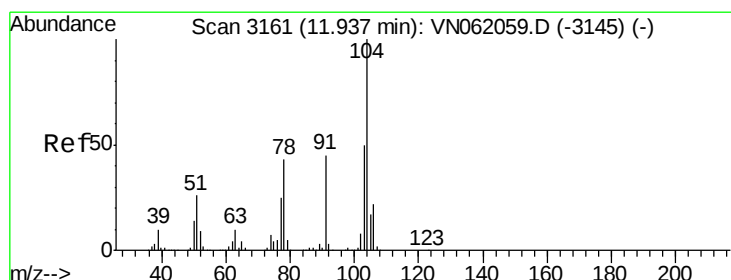
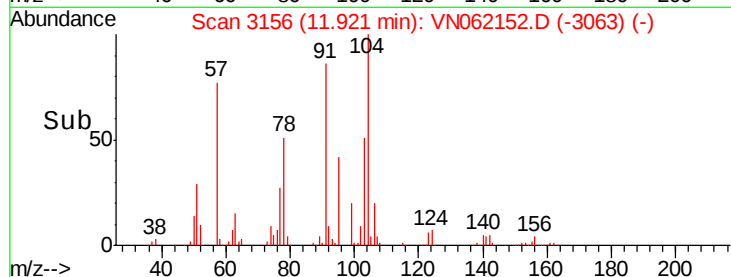
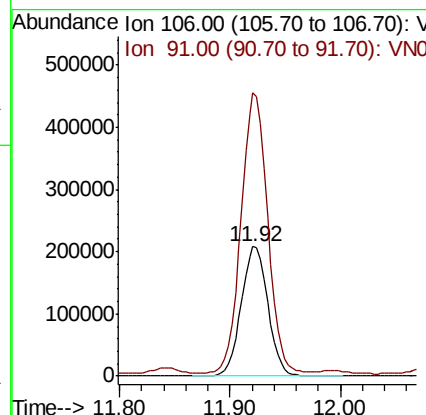
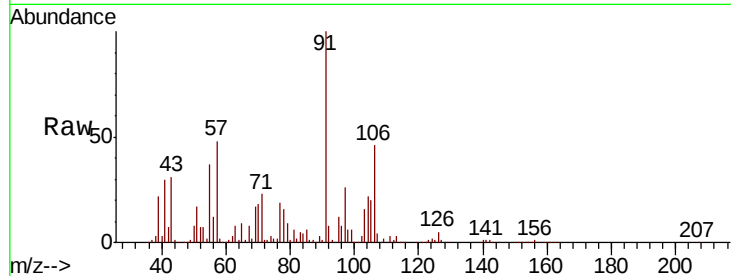




#69
o-Xylene
Concen: 53.856 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

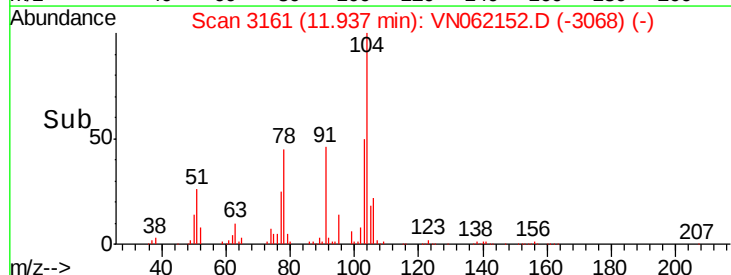
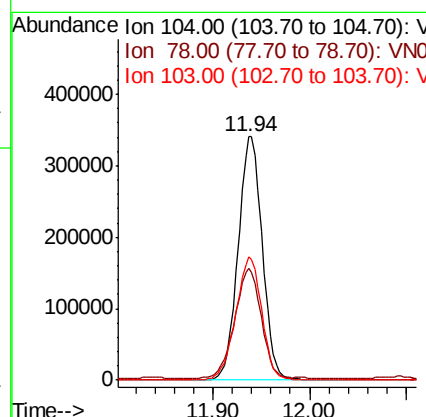
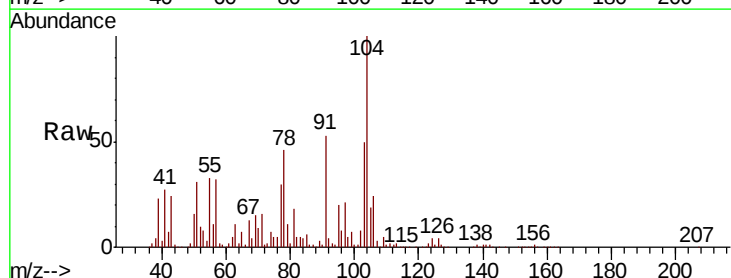
Instrument :
MSVOA_N
ClientSampled :
MW-27(16.5-18.5)MSD

Tot Ion:106 Resp: 346624
Ion Ratio Lower Upper
106 100
91 216.3 104.0 311.9



#70
Styrene
Concen: 55.055 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion:104 Resp: 590954
Ion Ratio Lower Upper
104 100
78 49.6 37.7 56.5
103 54.1 43.0 64.6





#71

Bromoform

Concen: 48.981 ug/l

RT: 12.10 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

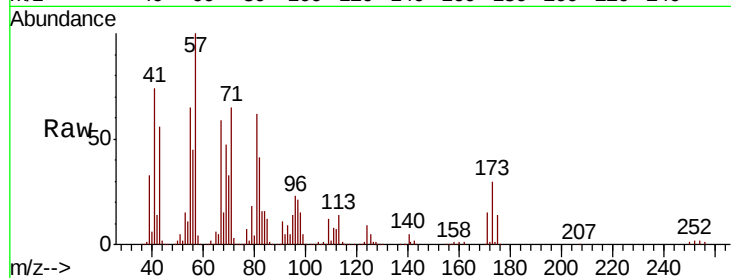
Tot Ion:173 Resp: 125755

Ion Ratio Lower Upper

173 100

175 47.4 24.7 74.1

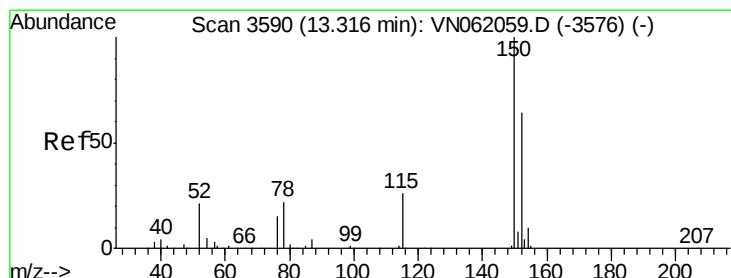
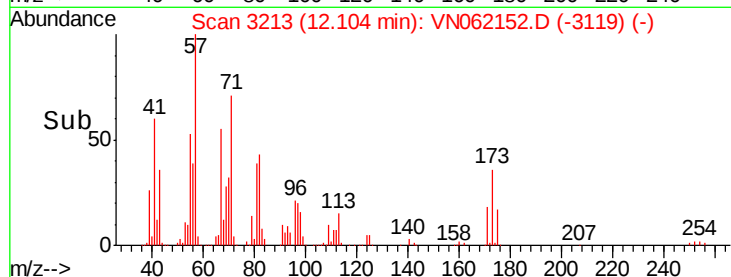
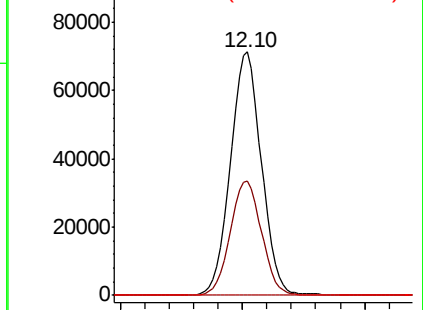
254 0.0 0.0 0.0



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: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

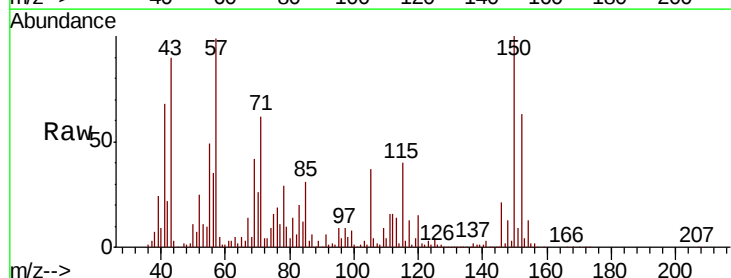
Tgt Ion:152 Resp: 259879

Ion Ratio Lower Upper

152 100

115 50.1 29.5 88.5

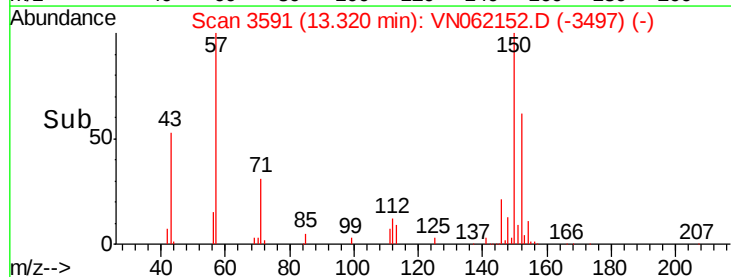
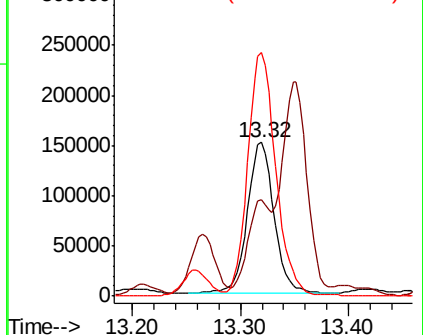
150 167.3 0.0 351.4

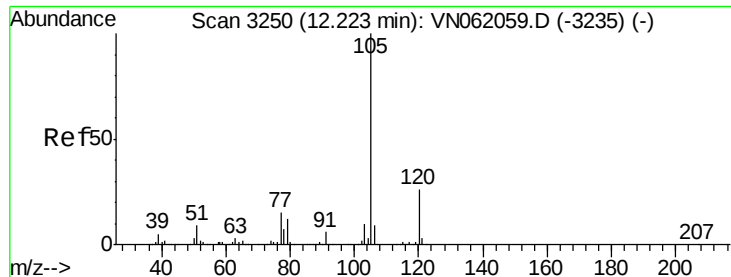


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 110.699 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

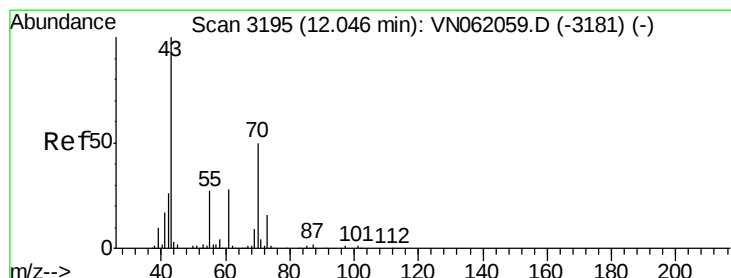
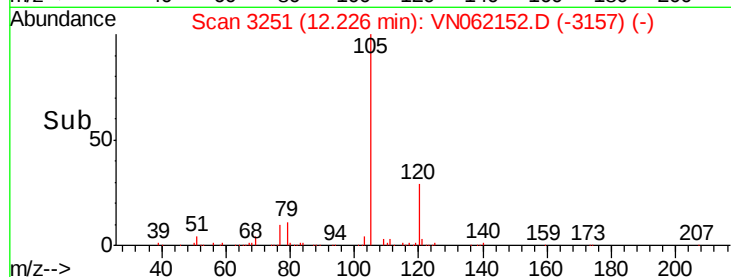
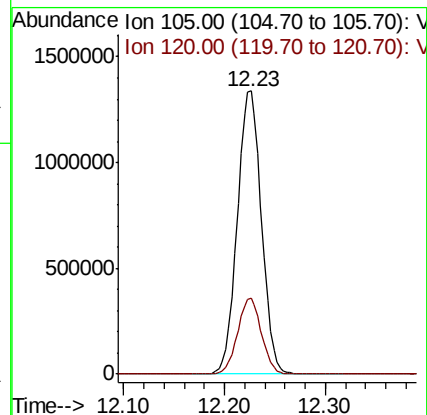
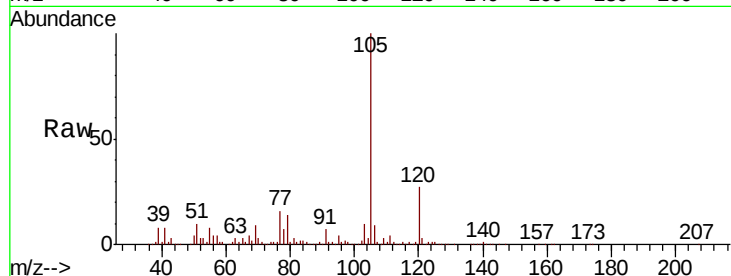
MW-27(16.5-18.5)MSD

Tot Ion:105 Resp: 2226910

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



#74

N-ethyl acetate

Concen: 52.418 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.03 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Tgt Ion: 43 Resp: 389453

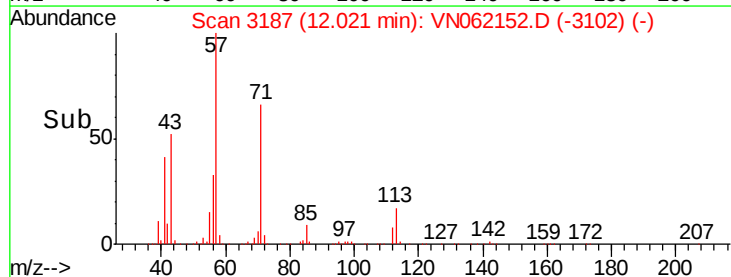
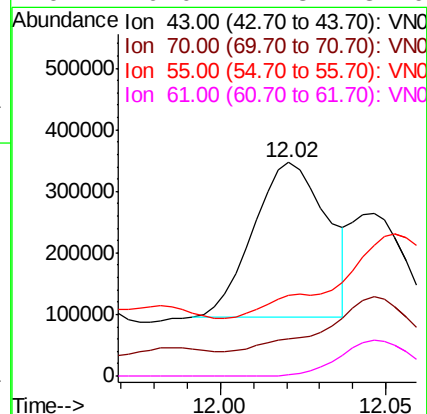
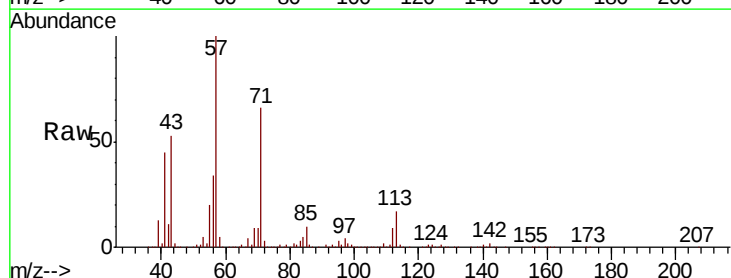
Ion Ratio Lower Upper

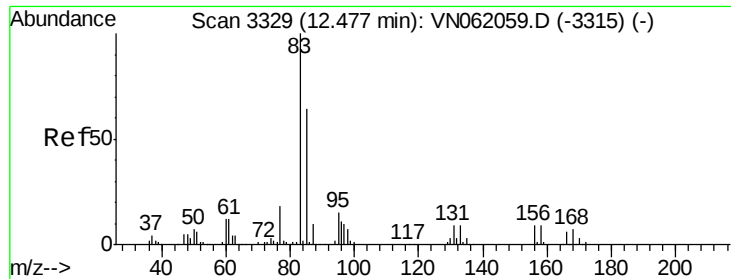
43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#





#75

1,1,2,2-Tetrachloroethane

Concen: 38.436 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

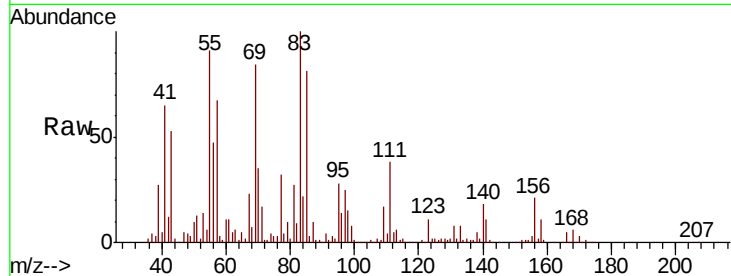
Tot Ion: 83 Resp: 257304

Ion Ratio Lower Upper

83 100

131 10.7 4.8 14.4

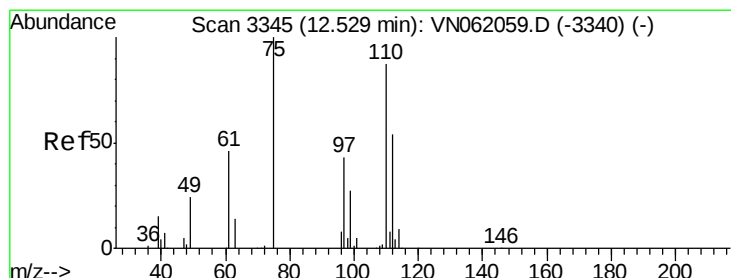
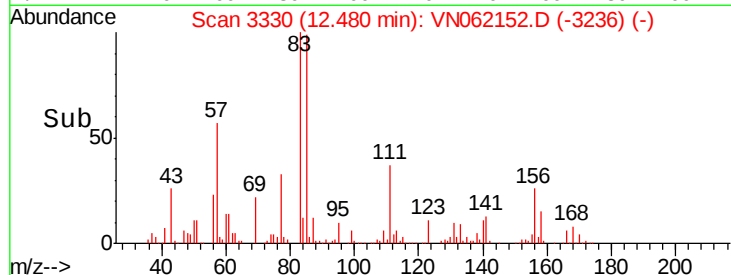
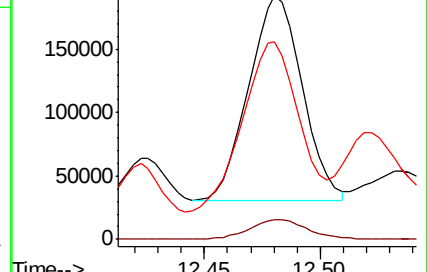
85 108.6 32.4 97.0#



Abundance Ion 82.90 (82.60 to 83.60): VN062152.D (-3330) (-)

Ion 130.80 (130.50 to 131.50): VN062152.D (-3330) (-)

Ion 84.90 (84.60 to 85.60): VN062152.D (-3330) (-)



#76

1,2,3-Trichloropropane

Concen: 64.693 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062152.D

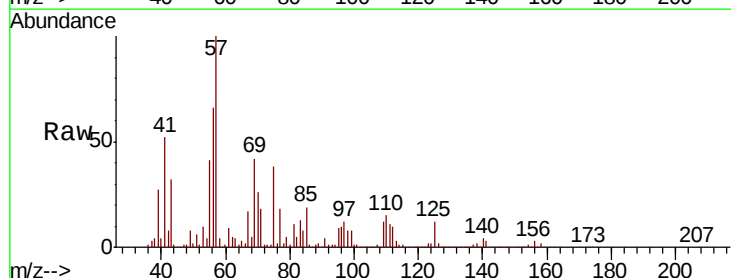
Acq: 26 Jun 2020 20:15

Tgt Ion: 75 Resp: 395778

Ion Ratio Lower Upper

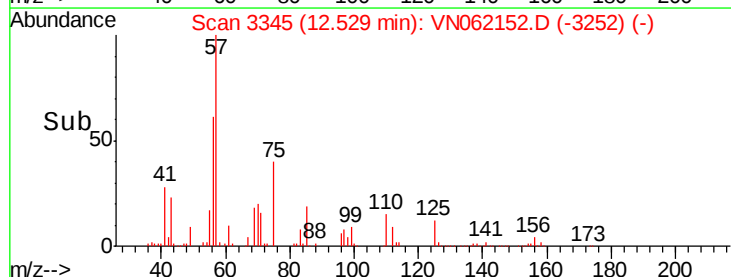
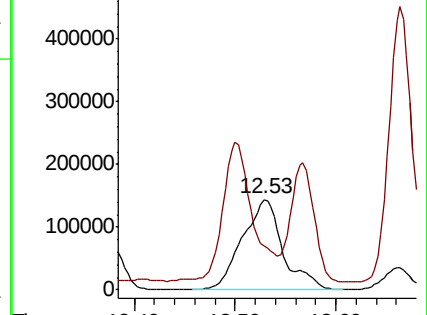
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062152.D (-3345) (-)

Ion 77.00 (76.70 to 77.70): VN062152.D (-3345) (-)





#77

Bromobenzene

Concen: 46.145 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

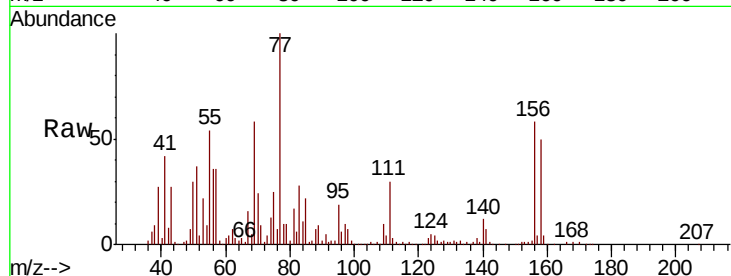
Tot Ion:156 Resp: 230461

Ion Ratio Lower Upper

156 100

77 198.4 104.6 313.8

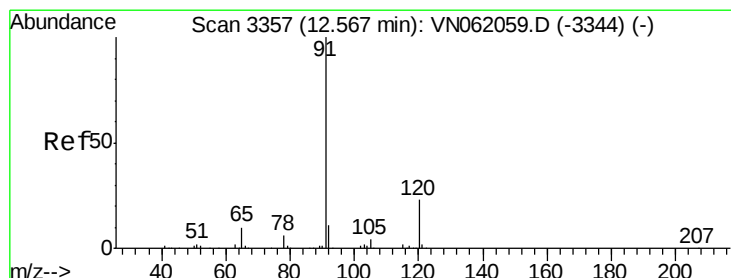
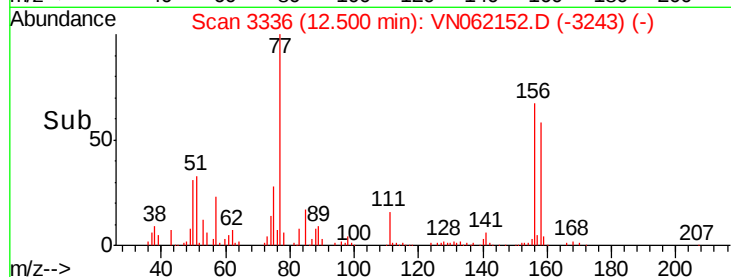
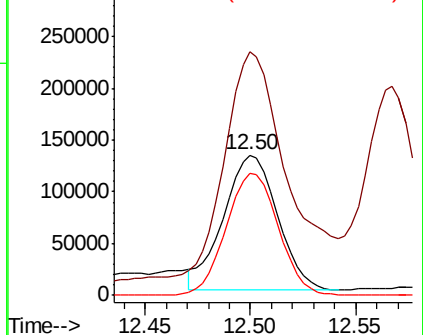
158 87.9 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 252.135 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062152.D

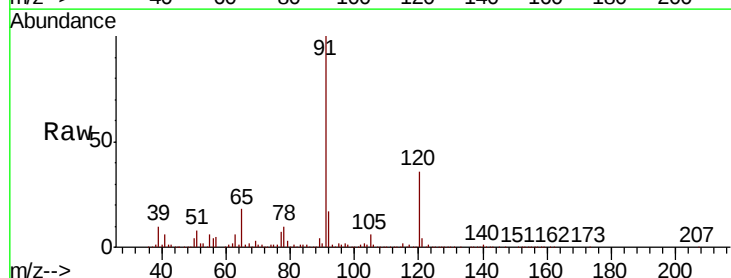
Acq: 26 Jun 2020 20:15

Tgt Ion: 91 Resp: 5801780

Ion Ratio Lower Upper

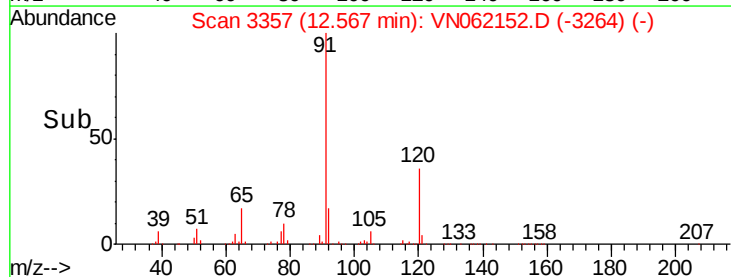
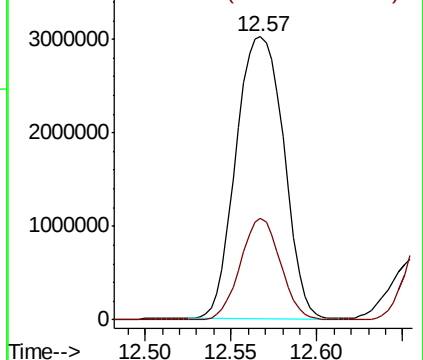
91 100

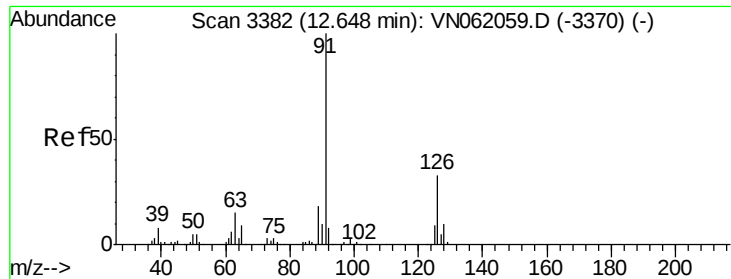
120 30.1 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

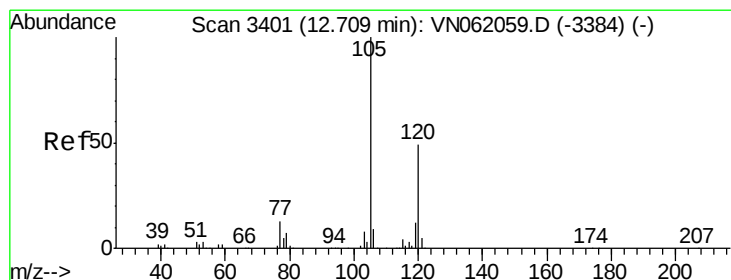
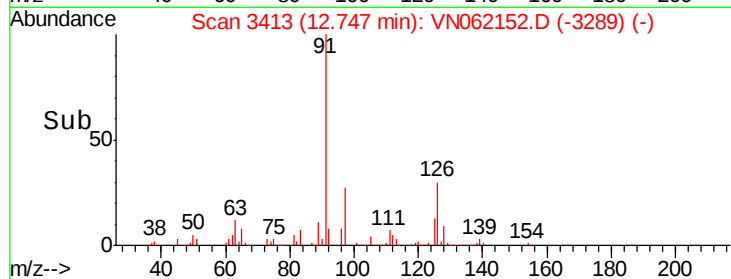
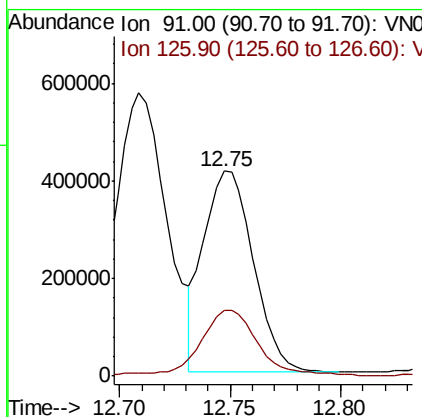
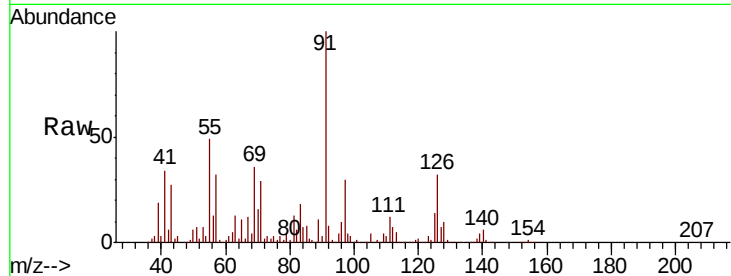




#79
 2-Chlorotoluene
 Concen: 46.171 ug/l
 RT: 12.75 min Scan# 3413
 Delta R.T. 0.10 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

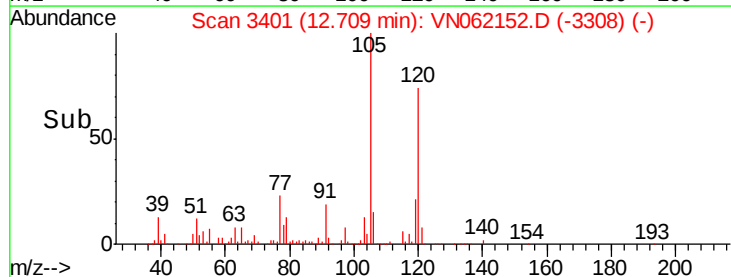
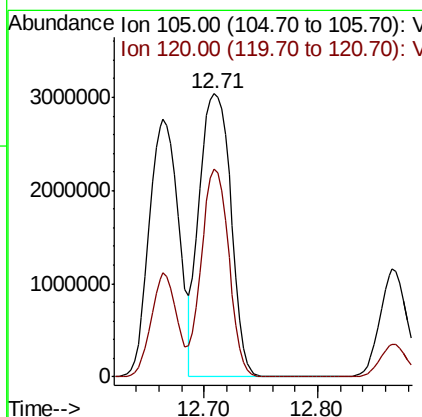
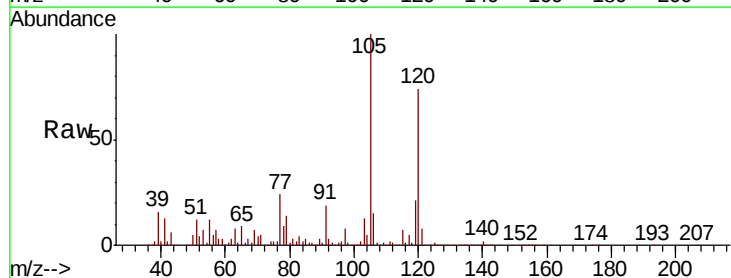
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

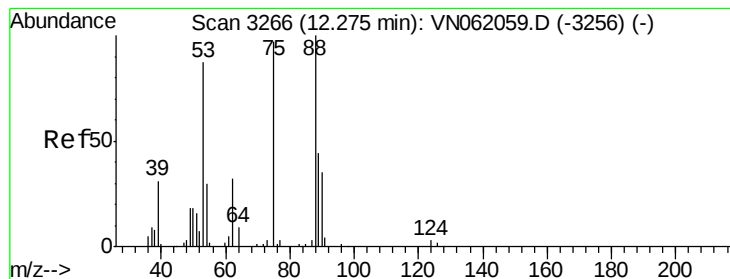
Tot Ion: 91 Resp: 642276
 Ion Ratio Lower Upper
 91 100
 126 37.0 16.9 50.7



#80
 1,3,5-Trimethylbenzene
 Concen: 360.312 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Tgt Ion:105 Resp: 5875861
 Ion Ratio Lower Upper
 105 100
 120 64.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 42.937 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

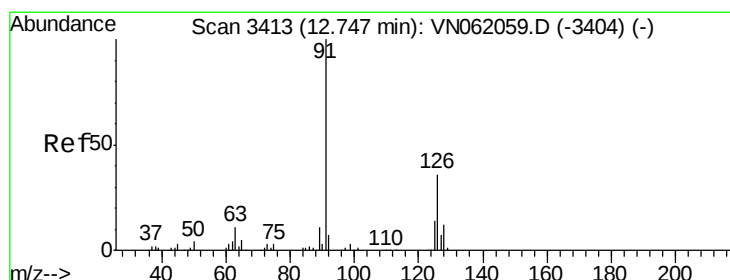
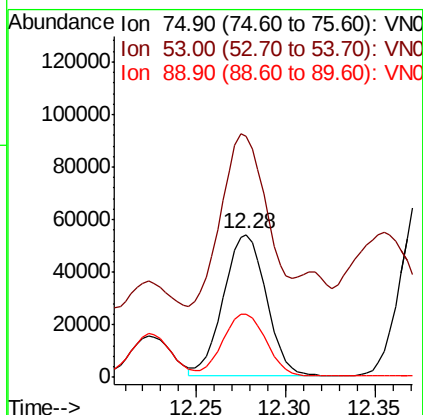
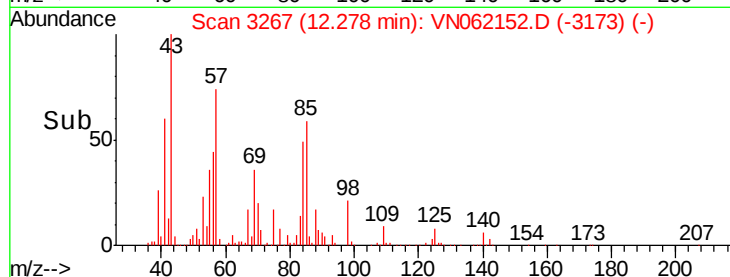
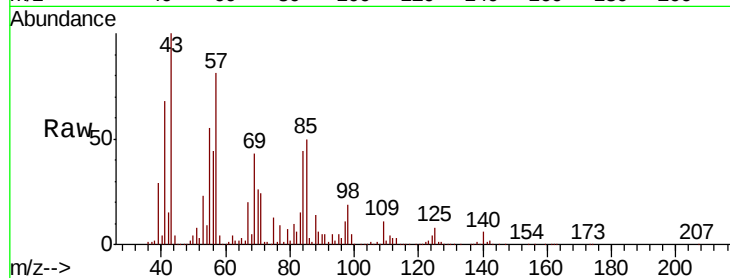
Tot Ion: 75 Resp: 89947

Ion Ratio Lower Upper

75 100

53 127.6 72.0 108.0#

89 44.8 36.9 55.3



#82

4-Chlorotoluene

Concen: 44.648 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062152.D

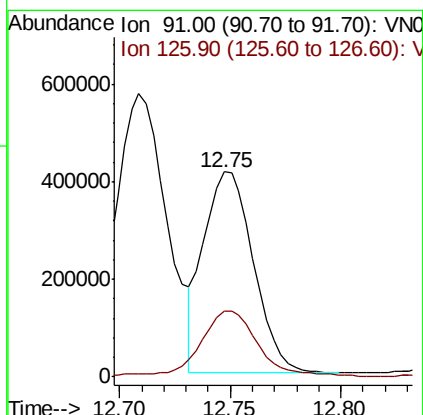
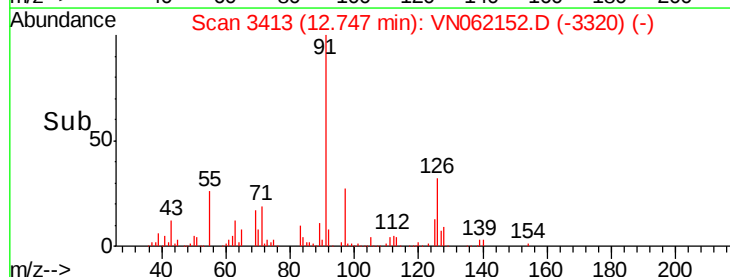
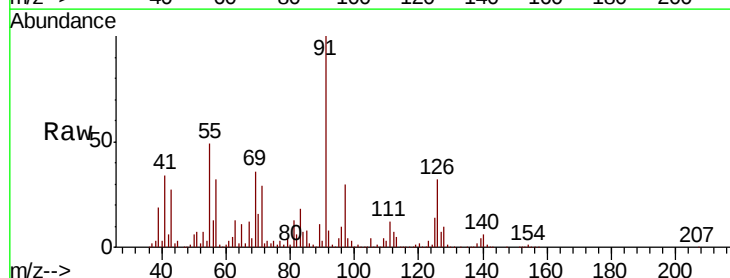
Acq: 26 Jun 2020 20:15

Tgt Ion: 91 Resp: 642276

Ion Ratio Lower Upper

91 100

126 37.3 16.7 50.1

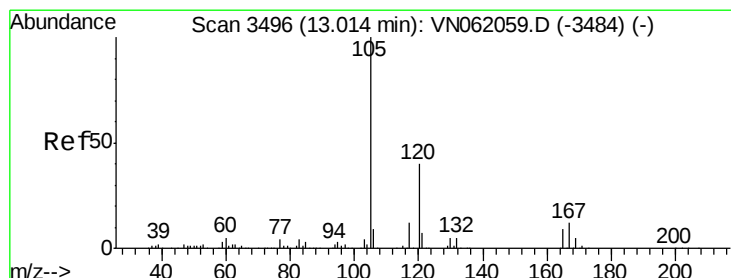
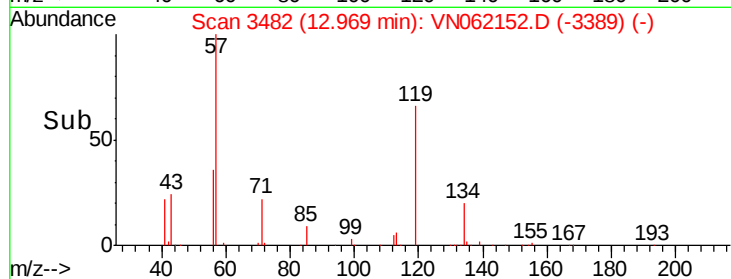
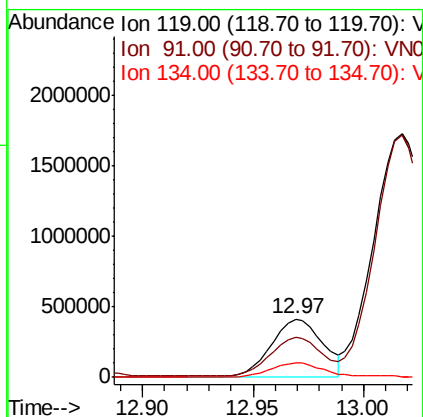
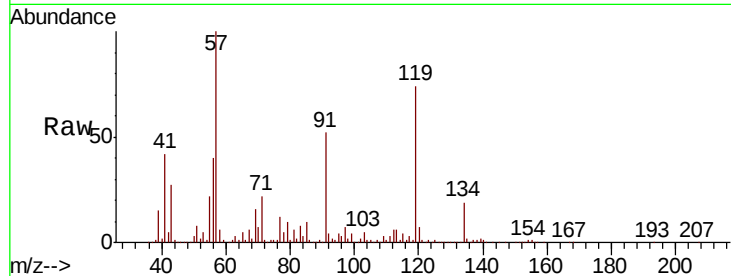




#83
tert-Butylbenzene
Concen: 48.104 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

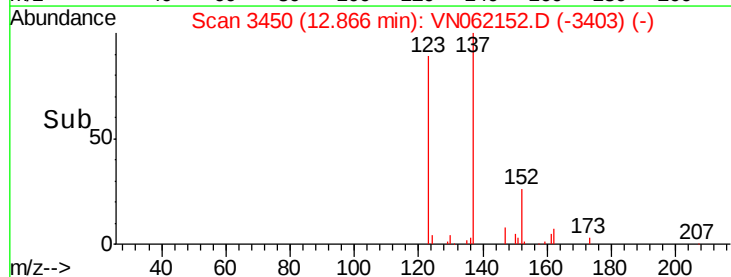
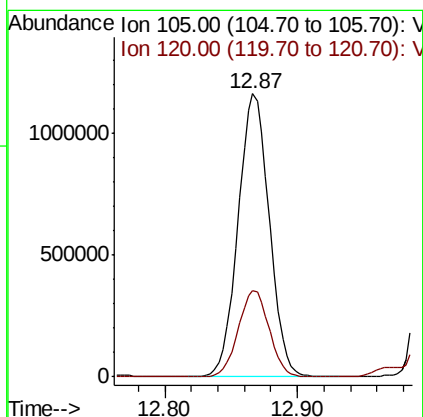
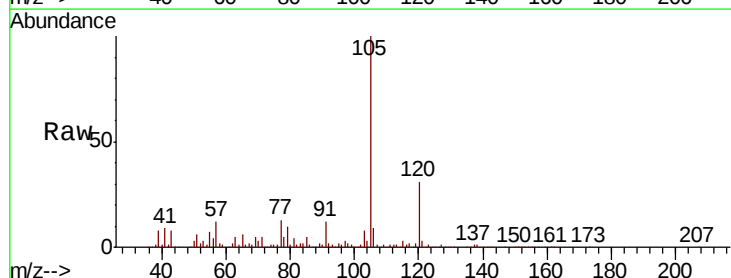
Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

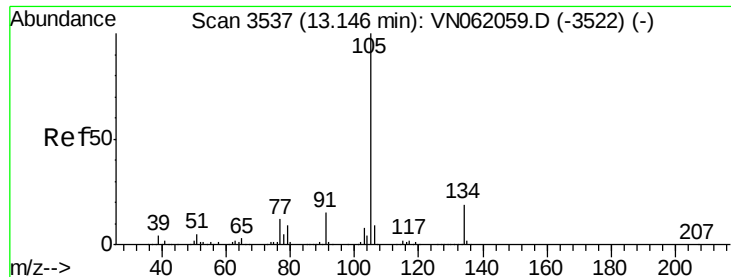
Tot Ion:119 Resp: 671354
Ion Ratio Lower Upper
119 100
91 66.8 31.7 95.1
134 26.9 13.1 39.1



#84
1,2,4-Trimethylbenzene
Concen: 115.858 ug/l
RT: 12.87 min Scan# 3450
Delta R.T. -0.15 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion:105 Resp: 1886997
Ion Ratio Lower Upper
105 100
120 30.2 23.2 69.5





#85

sec-Butylbenzene

Concen: 97.408 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

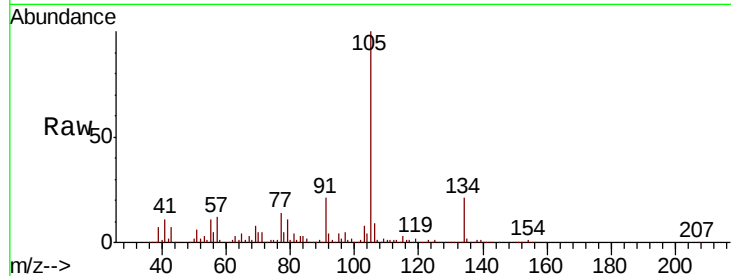
MW-27(16.5-18.5)MSD

Tot Ion:105 Resp: 1796346

Ion Ratio Lower Upper

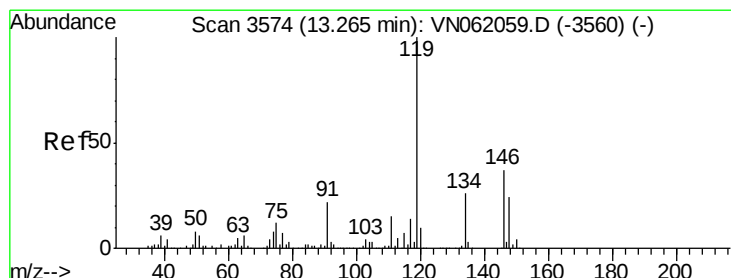
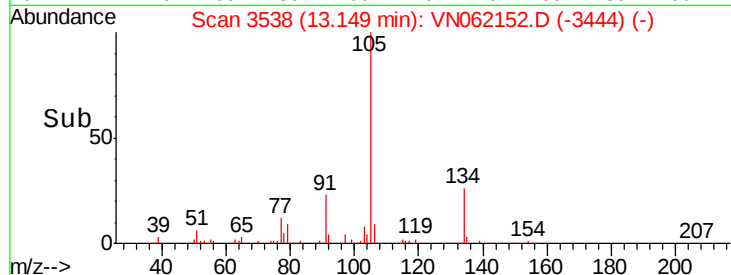
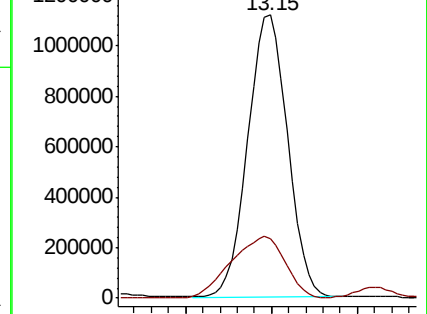
105 100

134 29.9 9.7 29.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 80.989 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

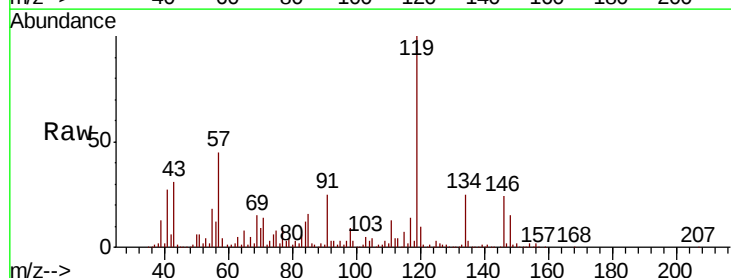
Tgt Ion:119 Resp: 1308532

Ion Ratio Lower Upper

119 100

134 25.6 13.0 39.0

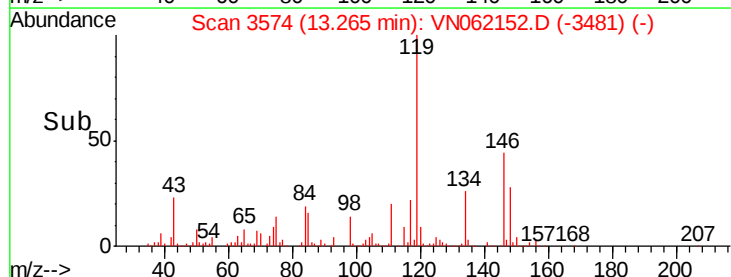
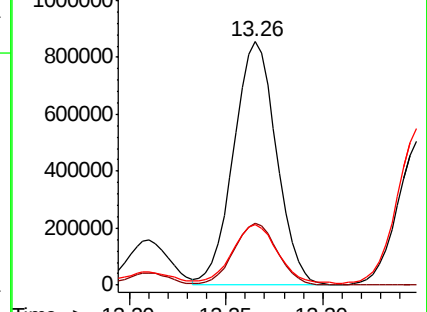
91 24.6 11.3 33.8

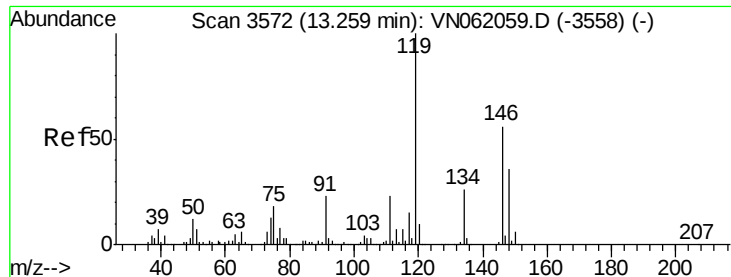


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

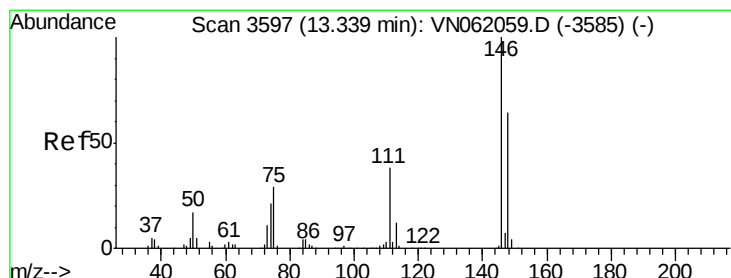
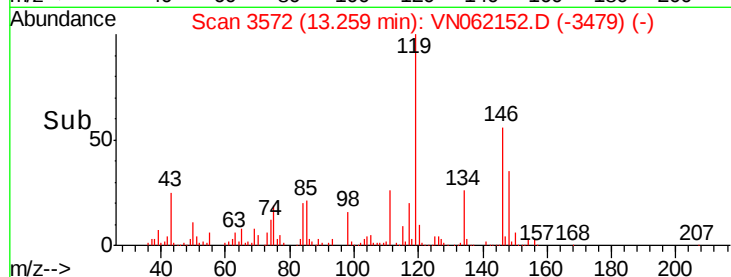
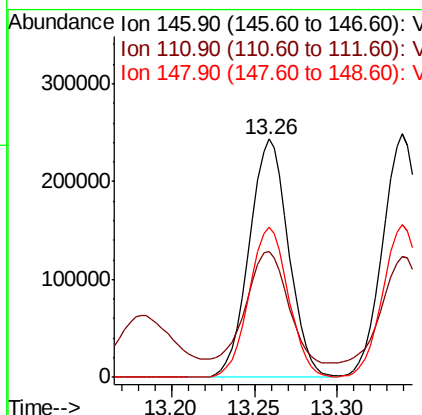
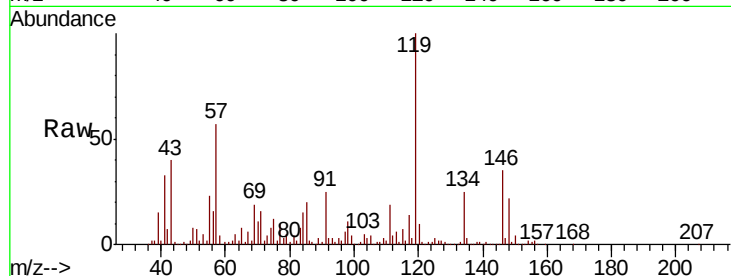




#87
 1,3-Dichlorobenzene
 Concen: 45.750 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

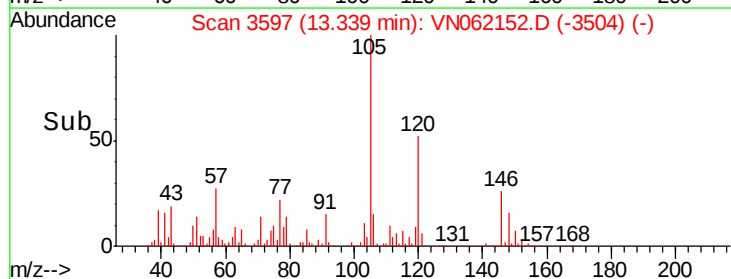
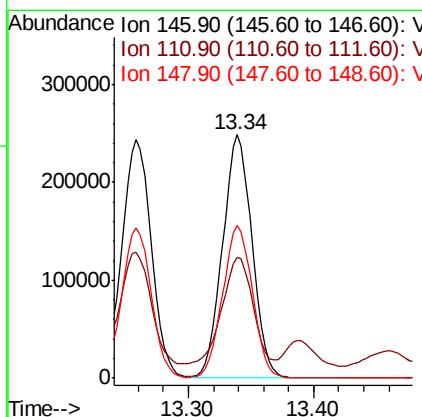
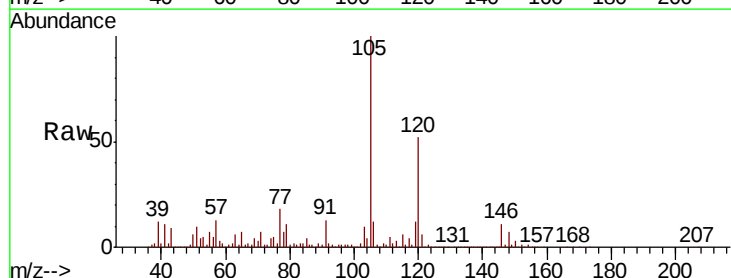
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

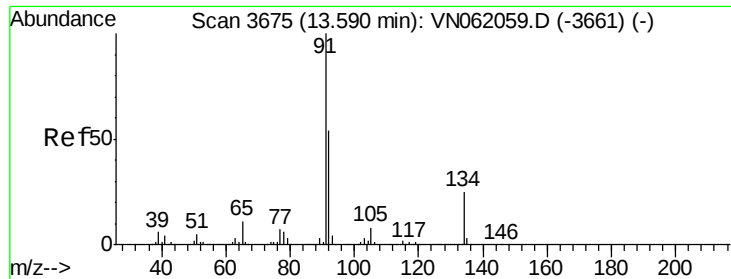
Tot Ion	Ratio	Lower	Upper
146	100		
111	49.6	20.3	61.0
148	63.0	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 44.728 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	19.9	59.6
148	63.6	31.9	95.9





#89

n-Butylbenzene

Concen: 216.437 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

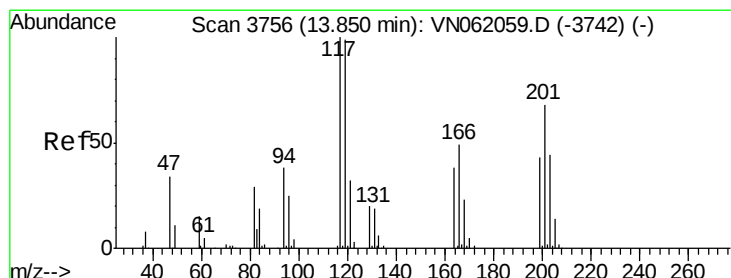
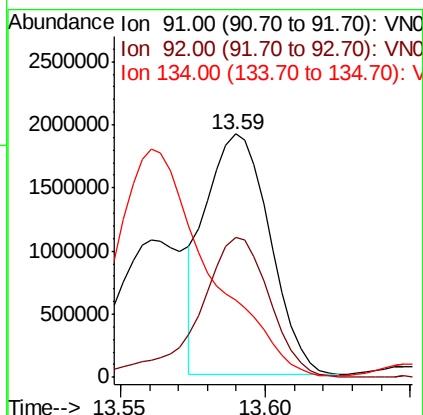
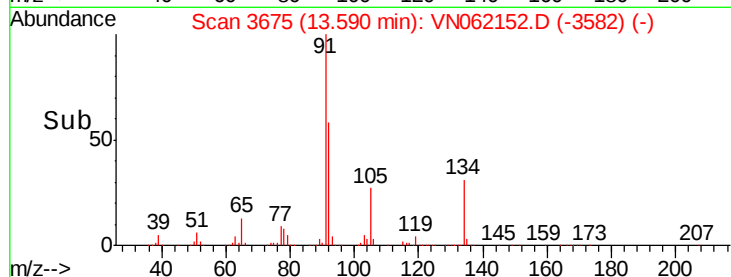
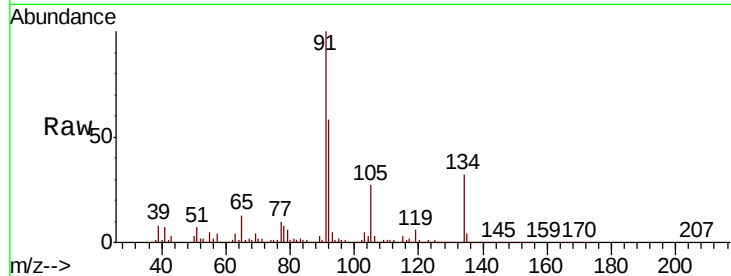
Tot Ion: 91 Resp: 2907289

Ion Ratio Lower Upper

91 100

92 64.6 26.6 79.7

134 0.0 12.3 36.9#



#90

Hexachloroethane

Concen: 256.688 ug/l

RT: 13.86 min Scan# 3760

Delta R.T. 0.01 min

Lab File: VN062152.D

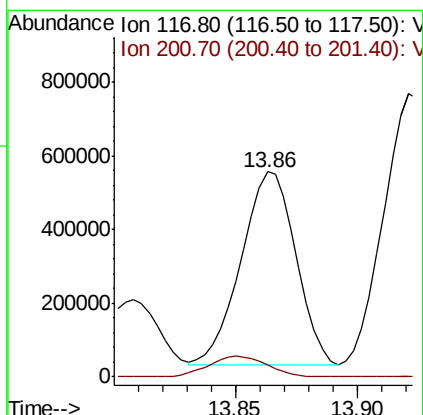
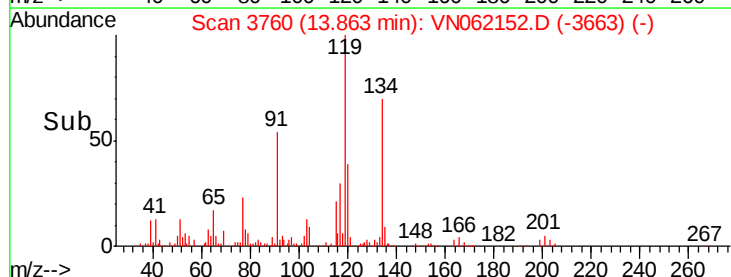
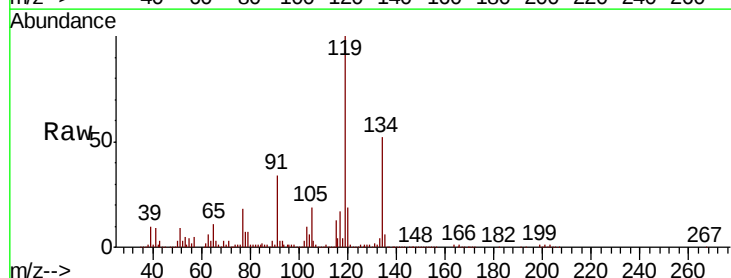
Acq: 26 Jun 2020 20:15

Tgt Ion: 117 Resp: 813689

Ion Ratio Lower Upper

117 100

201 11.6 32.7 98.1#





#91

1,2-Dichlorobenzene

Concen: 48.286 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

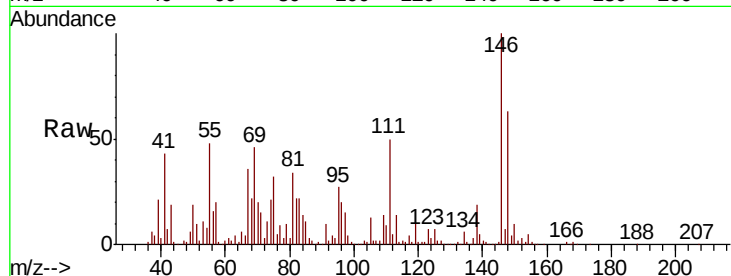
Tot Ion:146 Resp: 410642

Ion Ratio Lower Upper

146 100

111 58.6 21.2 63.6

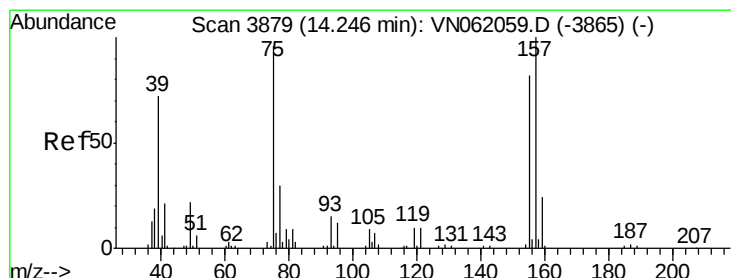
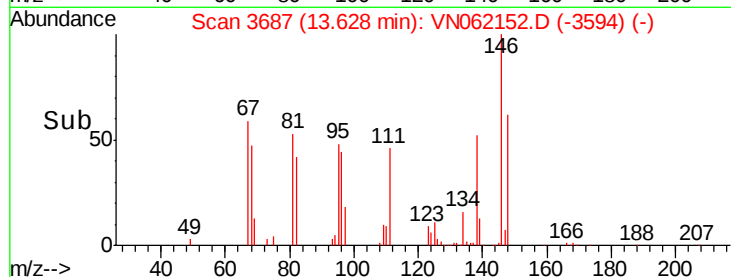
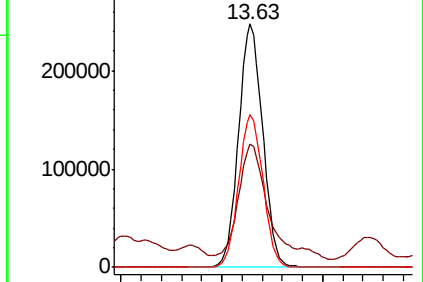
148 63.0 31.9 95.5



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: 117.587 ug/l

RT: 14.24 min Scan# 3877

Delta R.T. -0.01 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

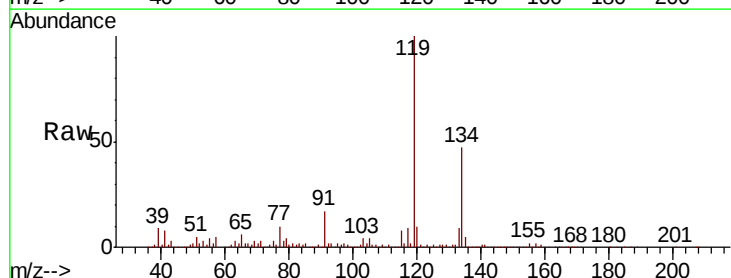
Tgt Ion: 75 Resp: 126100

Ion Ratio Lower Upper

75 100

155 37.8 40.8 122.4#

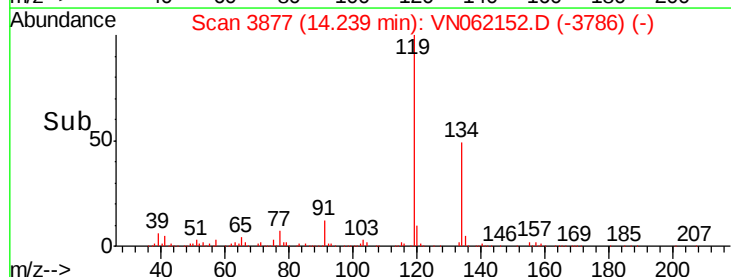
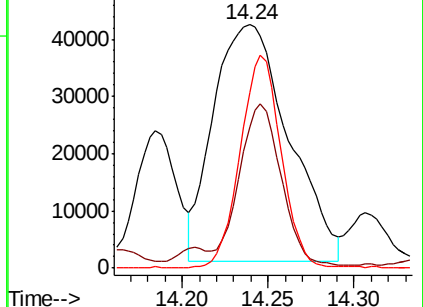
157 49.1 51.4 154.3#

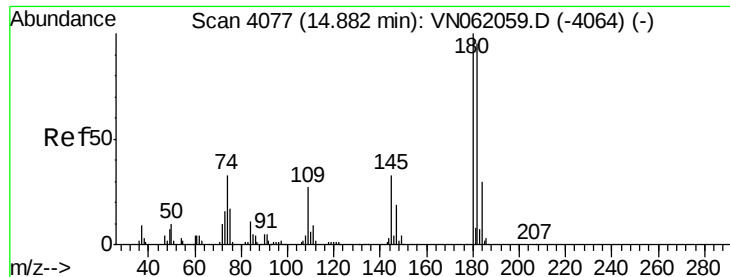


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

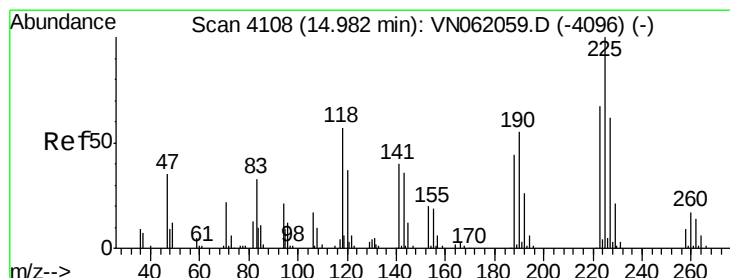
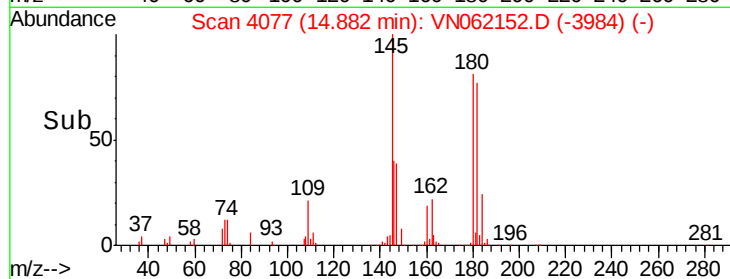
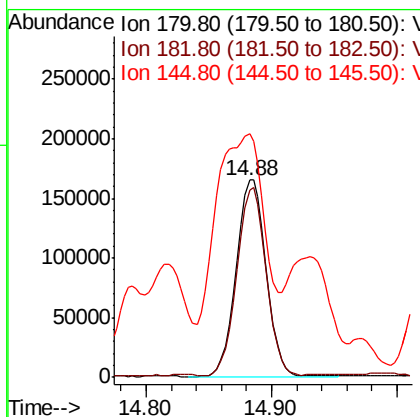
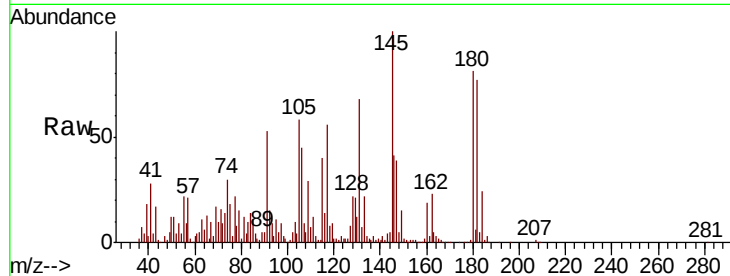




#93
 1,2,4-Trichlorobenzene
 Concen: 73.233 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

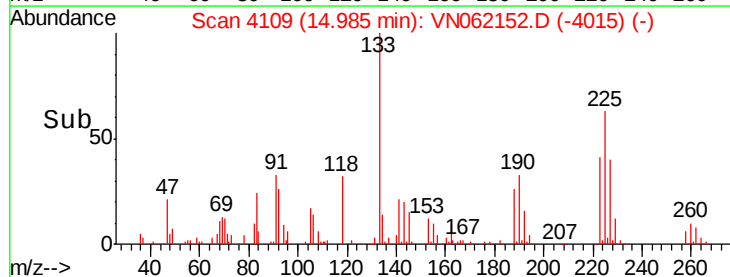
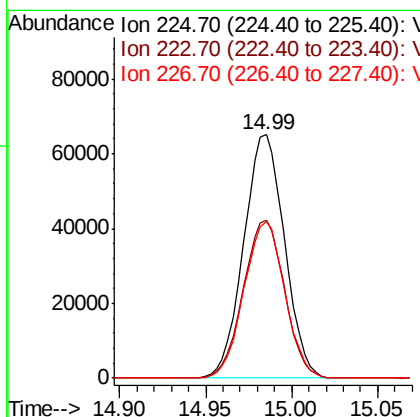
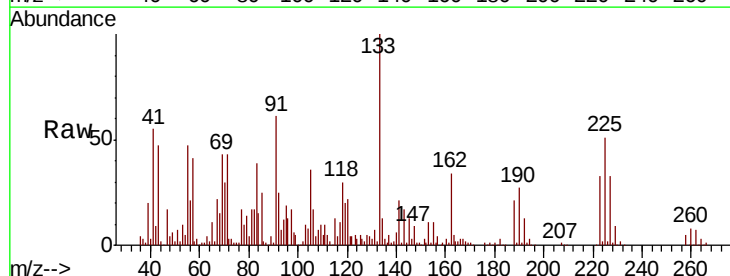
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

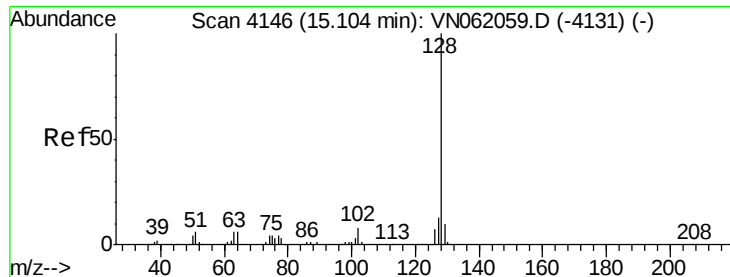
Tot Ion:180 Resp: 272073
 Ion Ratio Lower Upper
 180 100
 182 93.5 48.0 144.2
 145 184.4 16.0 48.0#



#94
 Hexachlorobutadiene
 Concen: 66.428 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Tgt Ion:225 Resp: 107189
 Ion Ratio Lower Upper
 225 100
 223 65.4 32.9 98.7
 227 64.0 31.3 93.8

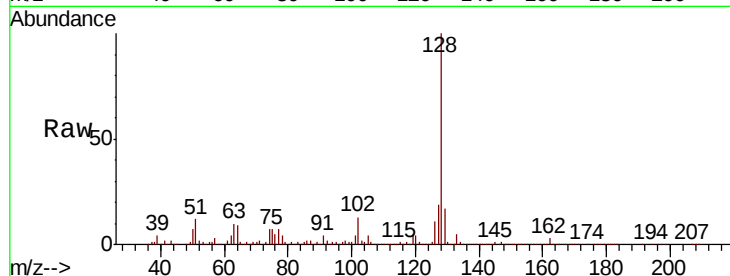




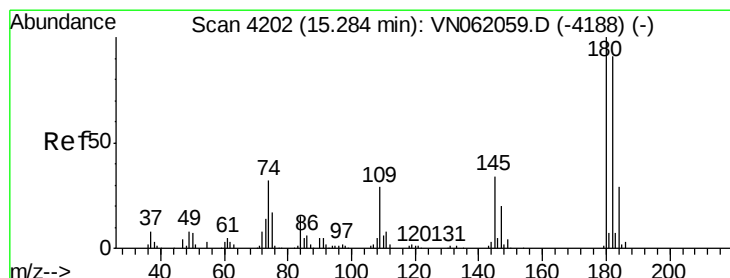
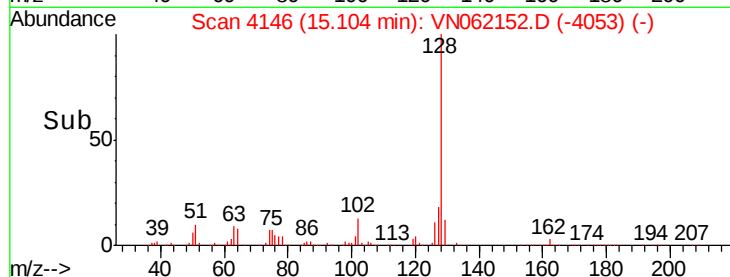
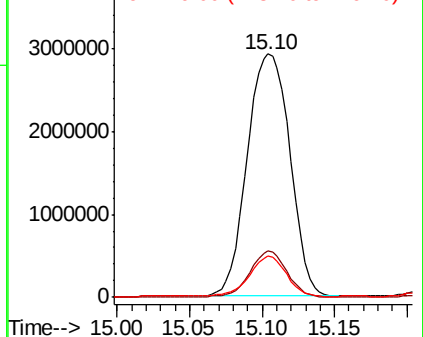
#95
Naphthalene
Concen: 448.219 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion:128 Resp: 5980501
Ion Ratio Lower Upper
128 100
127 16.2 10.5 15.7#
129 14.3 8.6 13.0#

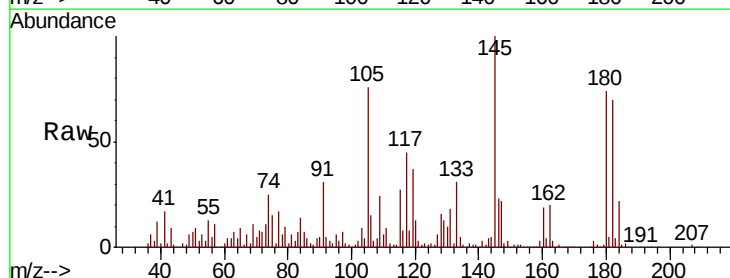


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 68.110 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion:180 Resp: 258734
Ion Ratio Lower Upper
180 100
182 94.8 46.8 140.4
145 0.0 16.4 49.2#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

