

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061540.D
 Acq On : 28 May 2020 18:32
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 29 01:46:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 01:43:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	355725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	612124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	561813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	270054	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	84418	16.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.84%	
35) Dibromofluoromethane	7.55	113	65395	20.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.58%	
50) Toluene-d8	10.06	98	280428	18.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.62%	
62) 4-Bromofluorobenzene	12.38	95	97814	17.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	78366	25.104	ug/l	98
3) Chloromethane	2.03	50	88035	18.394	ug/l	99
4) Vinyl Chloride	2.16	62	121350	17.967	ug/l	98
5) Bromomethane	2.54	94	70406	18.784	ug/l	98
6) Chloroethane	2.67	64	75939	16.793	ug/l	98
7) Trichlorofluoromethane	2.98	101	151427	18.277	ug/l	99
8) Diethyl Ether	3.37	74	43209	17.876	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	65516	18.988	ug/l	99
10) Methyl Iodide	3.91	142	90932	20.857	ug/l	98
11) Tert butyl alcohol	4.73	59	53098	89.217	ug/l	100
12) 1,1-Dichloroethene	3.69	96	67506	18.555	ug/l	99
13) Acrolein	3.56	56	16180	38.157	ug/l	97
14) Allyl chloride	4.27	41	90761	15.976	ug/l	96
15) Acrylonitrile	4.93	53	152148	86.151	ug/l	98
16) Acetone	3.78	43	117208	74.354	ug/l	99
17) Carbon Disulfide	4.01	76	161113	18.042	ug/l	97
18) Methyl Acetate	4.27	43	72249	17.796	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	233723	17.264	ug/l	99
20) Methylene Chloride	4.50	84	76667	17.820	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	75911	18.301	ug/l	95
22) Diisopropyl ether	5.90	45	201589	15.739	ug/l	98
23) Vinyl Acetate	5.84	43	814989	80.037	ug/l	99
24) 1,1-Dichloroethane	5.80	63	126557	16.787	ug/l	99
25) 2-Butanone	6.79	43	186746	79.843	ug/l	99
26) 2,2-Dichloropropane	6.78	77	112627	15.762	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	89163	18.222	ug/l	99
28) Bromochloromethane	7.15	49	53607	17.195	ug/l	96
29) Tetrahydrofuran	7.17	42	127176	82.106	ug/l	98
30) Chloroform	7.33	83	140608	17.759	ug/l	99
31) Cyclohexane	7.61	56	114693	16.003	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	128020	17.674	ug/l	99
36) 1,1-Dichloropropene	7.75	75	100476	17.815	ug/l	99
37) Ethyl Acetate	6.89	43	85386	16.729	ug/l	98
38) Carbon Tetrachloride	7.73	117	95944	18.388	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061540.D
 Acq On : 28 May 2020 18:32
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 29 01:46:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 01:43:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	125927	18.238	ug/l	95
40) Benzene	8.00	78	307274	18.047	ug/l	98
41) Methacrylonitrile	7.13	41	39299	18.727	ug/l #	82
42) 1,2-Dichloroethane	8.09	62	103077	16.981	ug/l	99
43) Isopropyl Acetate	8.13	43	142258	16.104	ug/l #	92
44) Trichloroethene	8.80	130	95794	20.800	ug/l	96
45) 1,2-Dichloropropane	9.08	63	72955	17.245	ug/l	97
46) Dibromomethane	9.17	93	55799	18.548	ug/l	97
47) Bromodichloromethane	9.37	83	111778	17.822	ug/l	97
48) Methyl methacrylate	9.17	41	62272	15.352	ug/l	98
49) 1,4-Dioxane	9.17	88	18732	368.803	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	410553	85.176	ug/l	99
52) Toluene	10.13	92	201846	18.401	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	118438	17.310	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	127911	17.490	ug/l	100
55) 1,1,2-Trichloroethane	10.54	97	79218	19.033	ug/l	99
56) Ethyl methacrylate	10.40	69	109828	17.087	ug/l	97
57) 1,3-Dichloropropane	10.68	76	129629	18.200	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	247879	87.920	ug/l	100
59) 2-Hexanone	10.72	43	289273	82.999	ug/l	100
60) Dibromochloromethane	10.88	129	89674	19.323	ug/l	99
61) 1,2-Dibromoethane	10.98	107	83173	18.954	ug/l	100
64) Tetrachloroethene	10.60	164	96226	21.466	ug/l	98
65) Chlorobenzene	11.41	112	218651	19.140	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	79281	19.237	ug/l	99
67) Ethyl Benzene	11.49	91	381997	18.542	ug/l	100
68) m/p-Xylenes	11.60	106	299691	38.062	ug/l	100
69) o-Xylene	11.92	106	143698	18.856	ug/l	99
70) Styrene	11.94	104	237666	18.869	ug/l	99
71) Bromoform	12.10	173	58931	19.994	ug/l #	98
73) Isopropylbenzene	12.22	105	376957	17.763	ug/l	100
74) N-amyl acetate	12.05	43	119159	15.592	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	103526	17.717	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	134028	23.840	ug/l #	100
77) Bromobenzene	12.50	156	91170	19.272	ug/l	93
78) n-propylbenzene	12.57	91	417459	17.367	ug/l	99
79) 2-Chlorotoluene	12.65	91	243946	17.107	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	315238	18.127	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	35340	16.543	ug/l	98
82) 4-Chlorotoluene	12.75	91	255551	17.312	ug/l	98
83) tert-Butylbenzene	12.97	119	272261	18.224	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	313083	17.992	ug/l	100
85) sec-Butylbenzene	13.15	105	354335	17.659	ug/l	99
86) p-Isopropyltoluene	13.26	119	326579	18.219	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	165473	19.268	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	167691	19.503	ug/l	98
89) n-Butylbenzene	13.59	91	271168	16.871	ug/l	99
90) Hexachloroethane	13.85	117	33619	14.384	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	160344	19.461	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	21129	17.897	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
Data File : VN061540.D
Acq On : 28 May 2020 18:32
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 29 01:46:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 01:43:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	92093	20.424	ug/l	98
94) Hexachlorobutadiene	14.99	225	36628	18.461	ug/l	98
95) Naphthalene	15.10	128	288441	20.185	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	91721	20.365	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

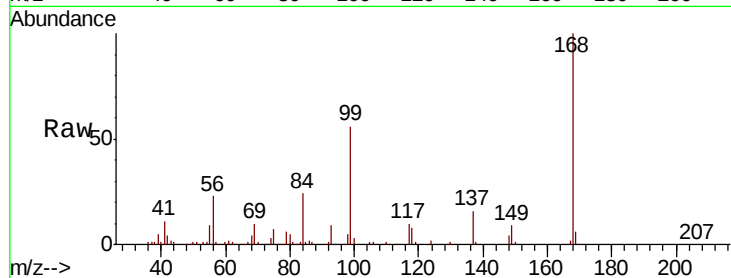
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 355725

Ion Ratio Lower Upper

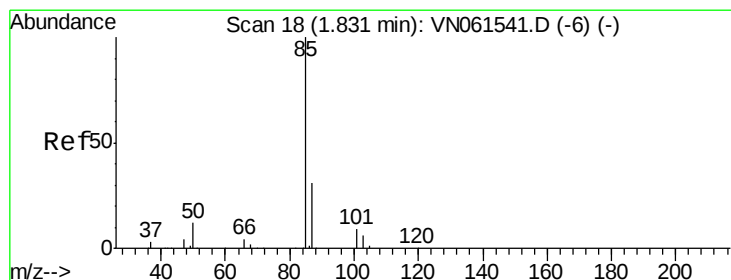
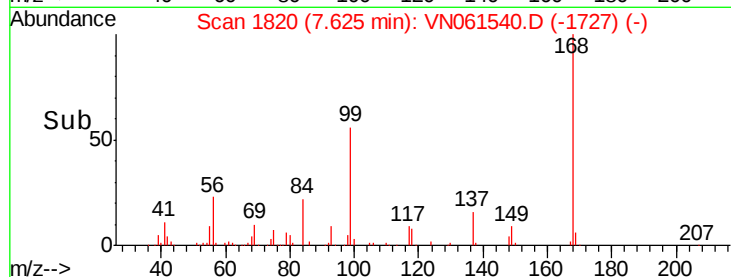
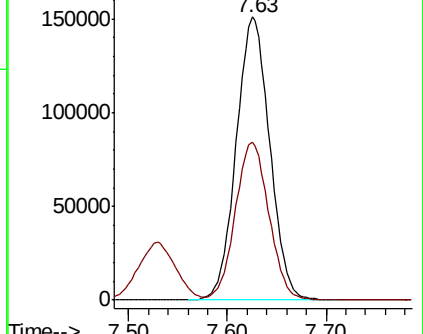
168 100

99 55.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 25.104 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061540.D

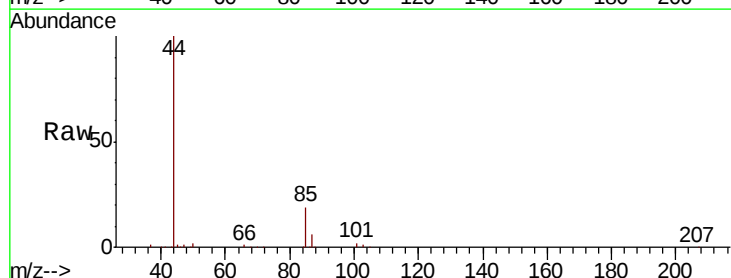
Acq: 28 May 2020 18:32

Tgt Ion: 85 Resp: 78366

Ion Ratio Lower Upper

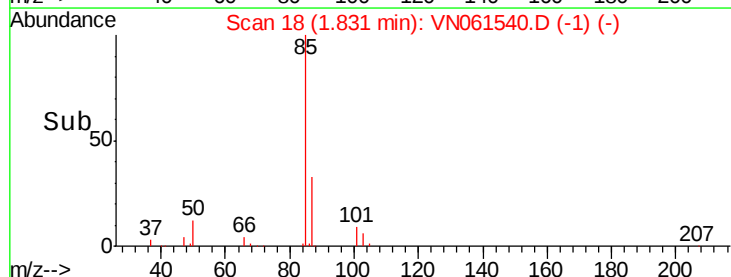
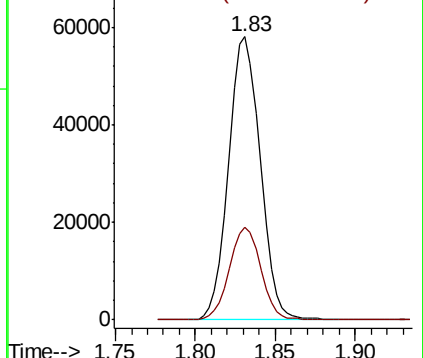
85 100

87 32.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.394 ug/l

RT: 2.03 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

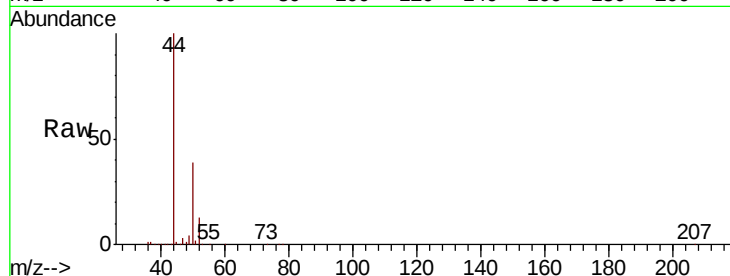
ClientSampleId :

Tot Ion: 50 Resp: 88035

Ion Ratio Lower Upper

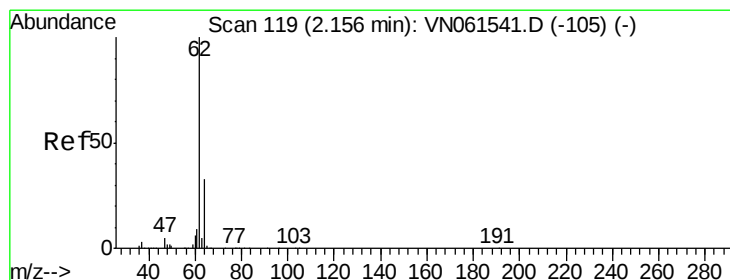
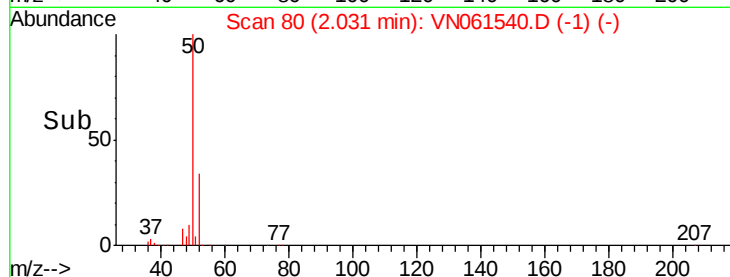
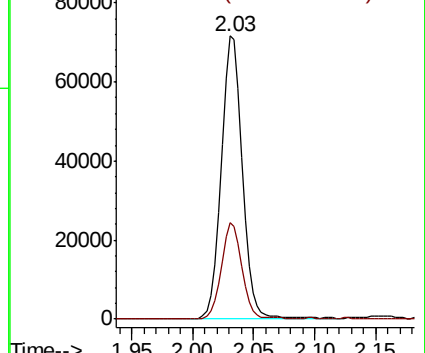
50 100

52 34.0 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 17.967 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061540.D

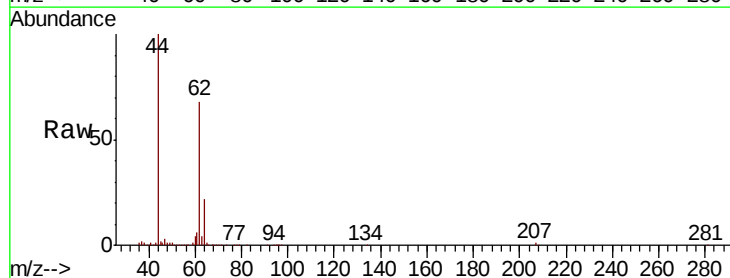
Acq: 28 May 2020 18:32

Tgt Ion: 62 Resp: 121350

Ion Ratio Lower Upper

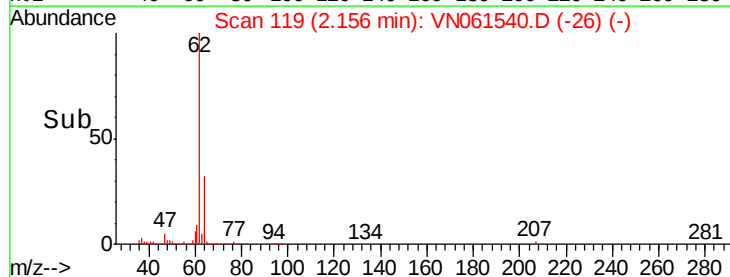
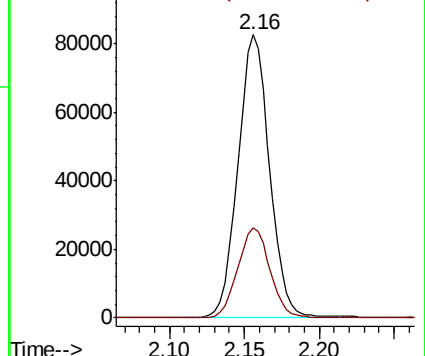
62 100

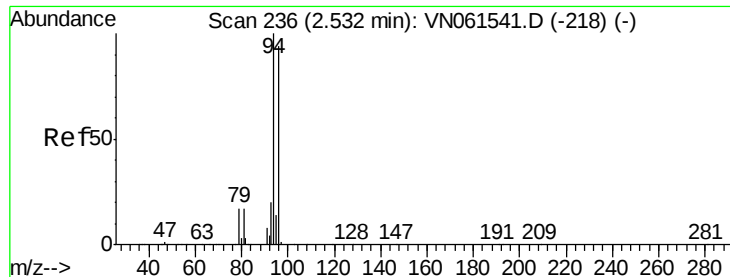
64 31.8 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 18.784 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

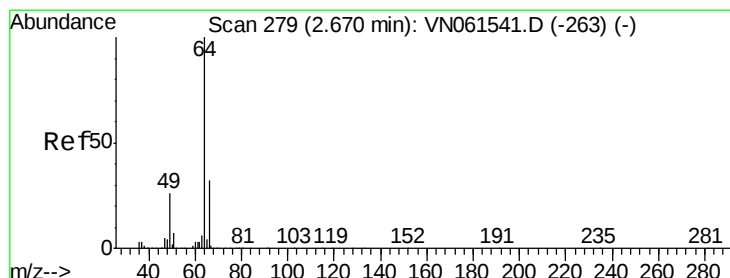
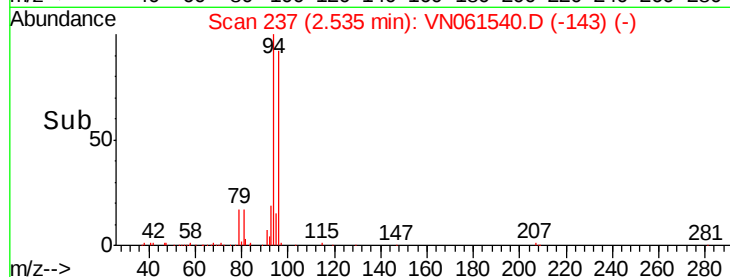
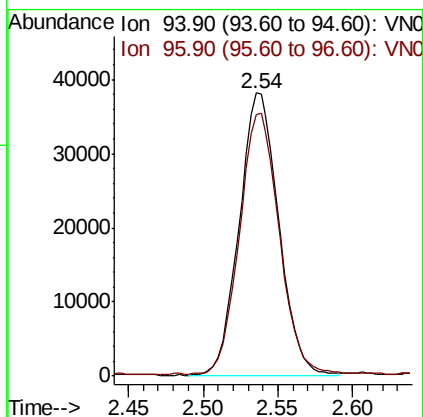
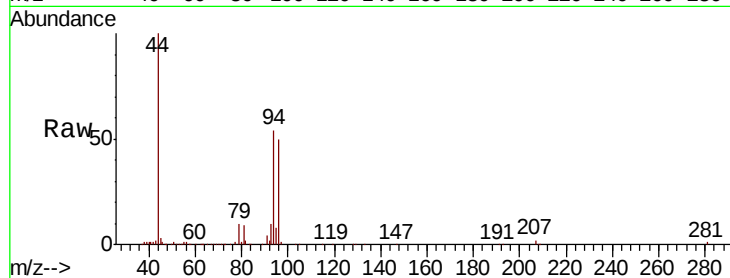
ClientSampleId :

Tot Ion: 94 Resp: 70406

Ion Ratio Lower Upper

94 100

96 91.6 74.8 112.2



#6

Chloroethane

Concen: 16.793 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061540.D

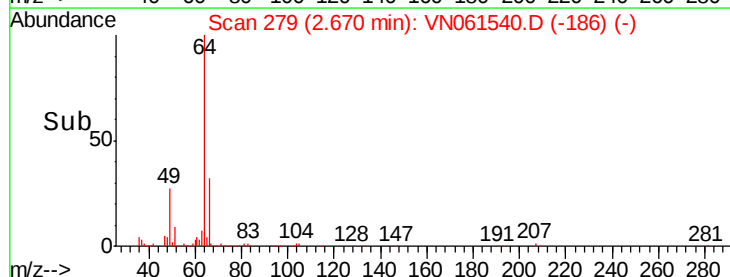
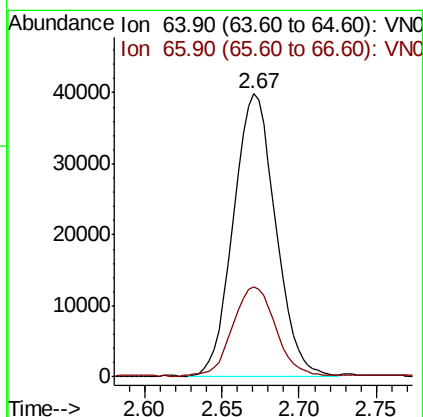
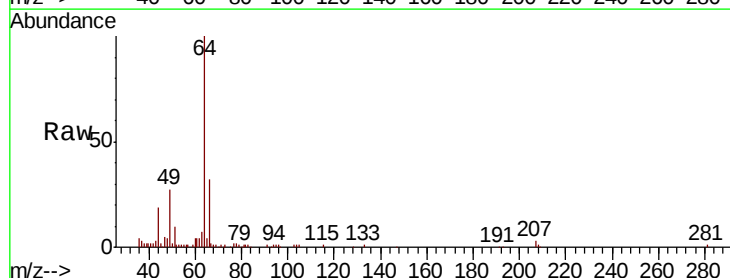
Acq: 28 May 2020 18:32

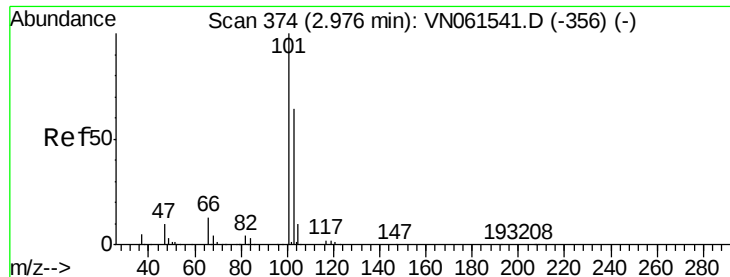
Tgt Ion: 64 Resp: 75939

Ion Ratio Lower Upper

64 100

66 31.1 25.6 38.4



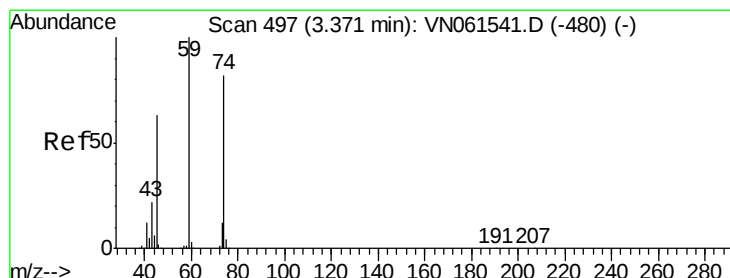
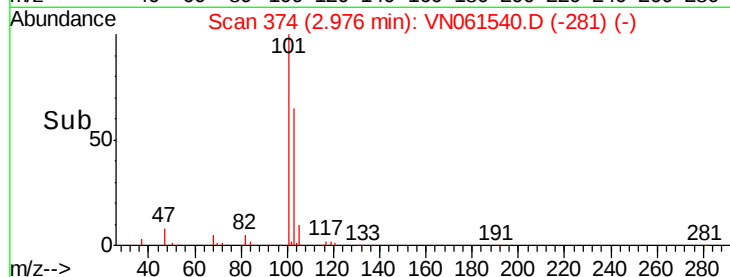
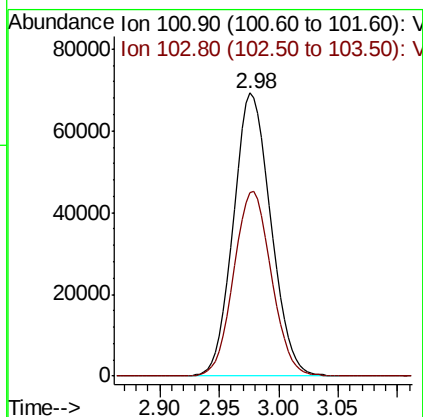
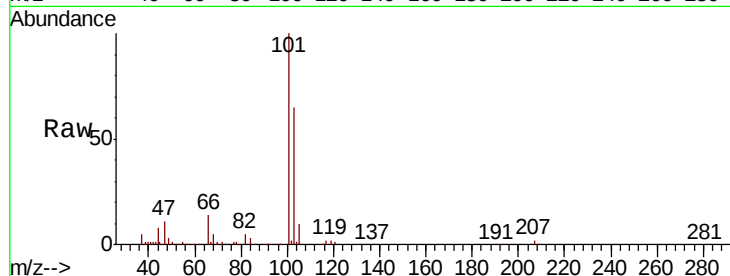


#7

Trichlorofluoromethane
 Concen: 18.277 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: VN061540.D
 Acq: 28 May 2020 18:32

Instrument :
 MSVOA_N
 ClientSampleId :

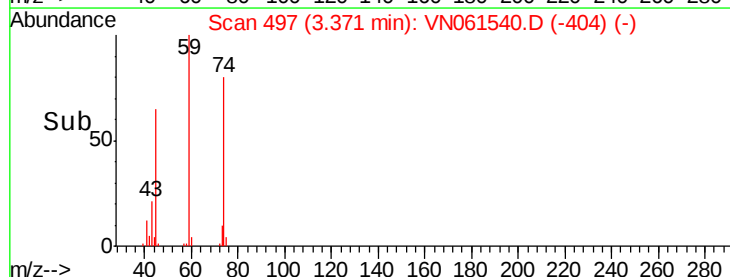
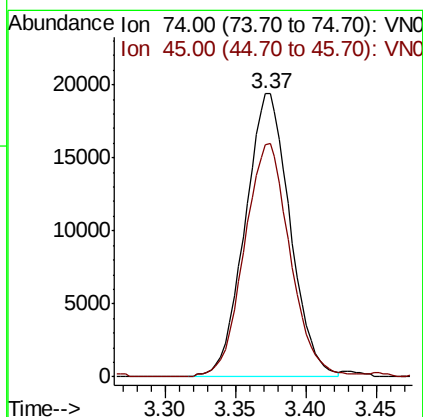
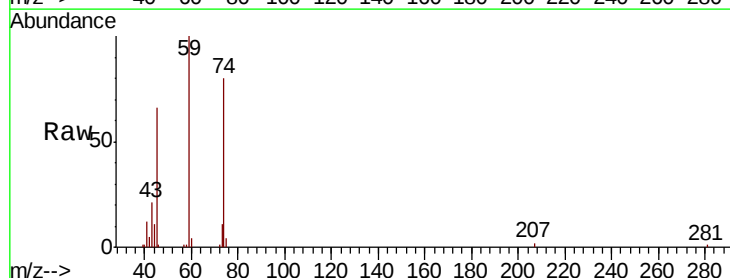
Tot Ion:101 Resp: 151427
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.4 77.2

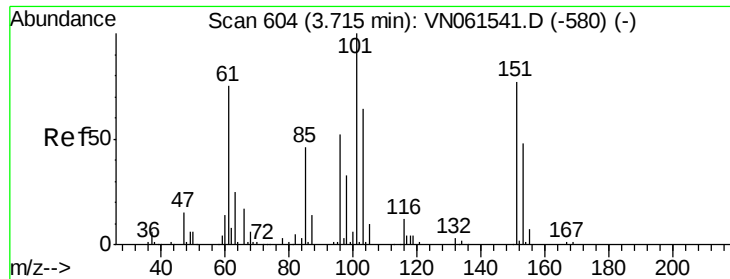


#8

Diethyl Ether
 Concen: 17.876 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN061540.D
 Acq: 28 May 2020 18:32

Tgt Ion: 74 Resp: 43209
 Ion Ratio Lower Upper
 74 100
 45 84.2 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.988 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

ClientSampled :

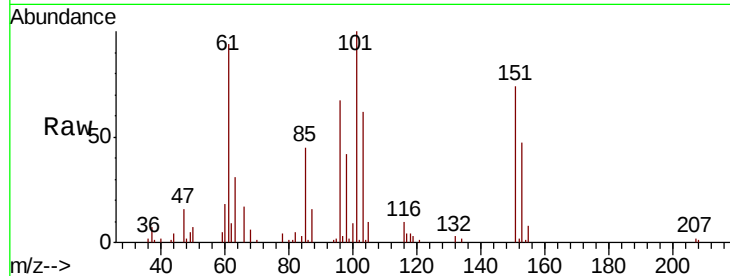
Tot Ion:101 Resp: 65516

Ion Ratio Lower Upper

101 100

85 44.9 35.2 52.8

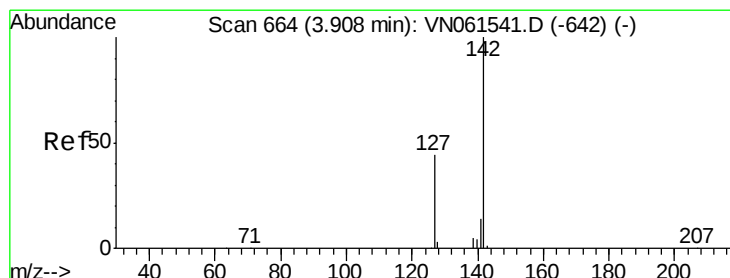
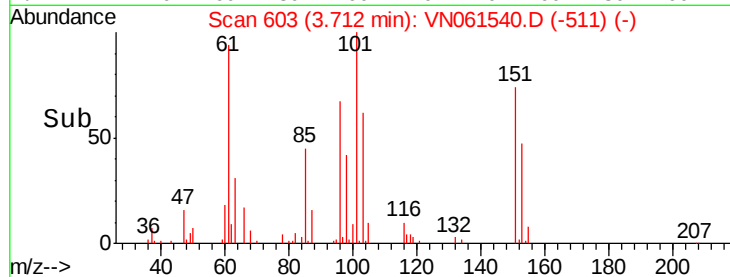
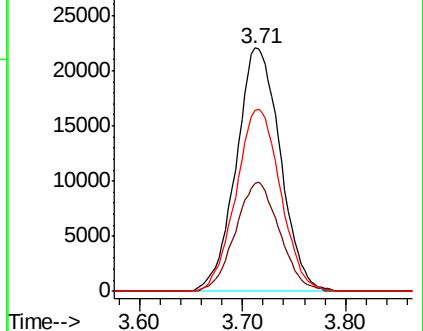
151 75.5 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.857 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

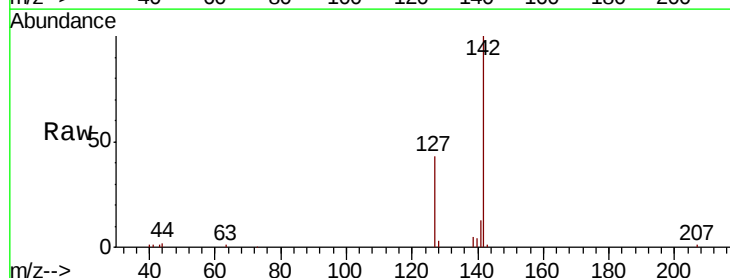
Tgt Ion:142 Resp: 90932

Ion Ratio Lower Upper

142 100

127 43.0 35.5 53.3

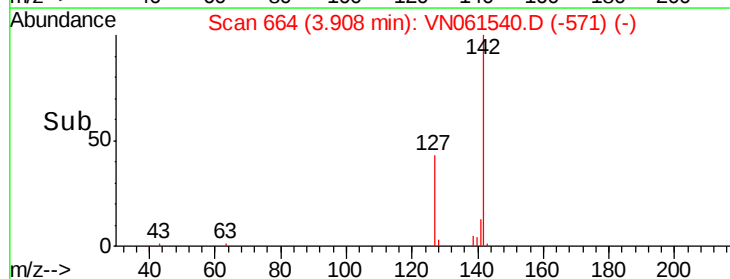
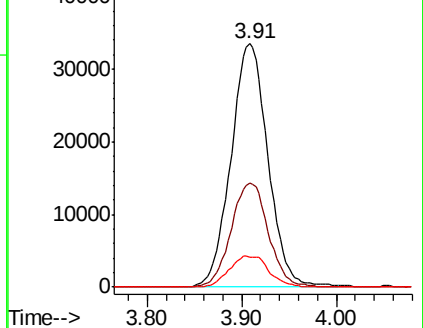
141 13.6 11.5 17.3

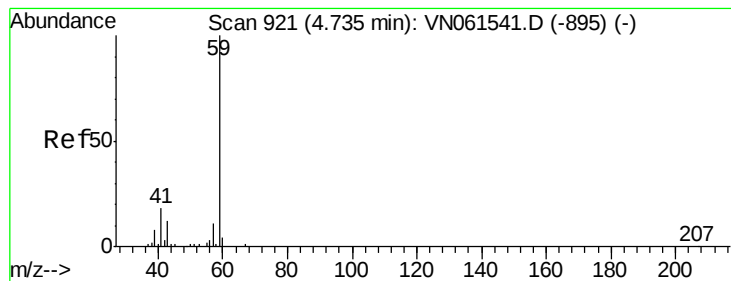


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 89.217 ug/l

RT: 4.73 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

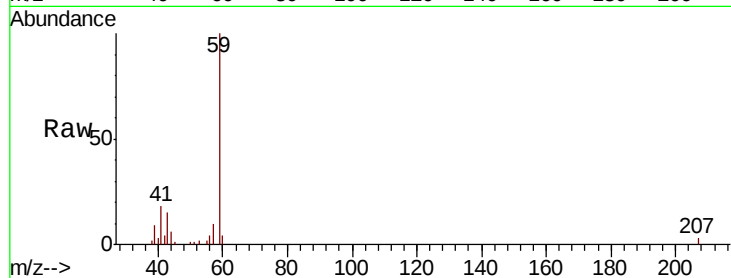
ClientSampleId :

Tot Ion: 59 Resp: 53098

Ion Ratio Lower Upper

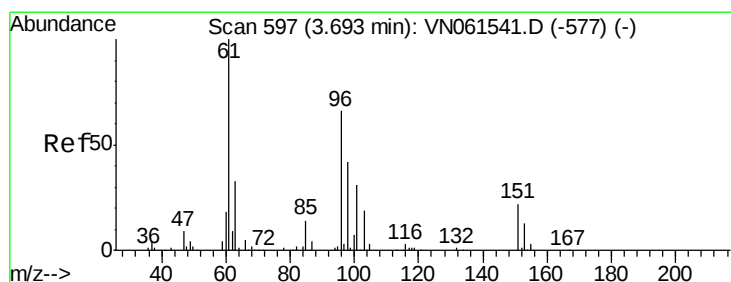
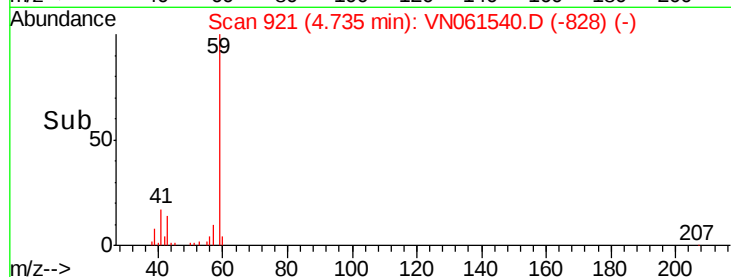
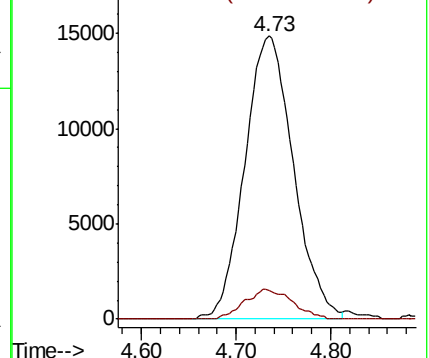
59 100

57 10.4 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VN061540.D (-895) (-)

Ion 57.00 (56.70 to 57.70): VN061540.D (-895) (-)



#12

1,1-Dichloroethene

Concen: 18.555 ug/l

RT: 3.69 min Scan# 597

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

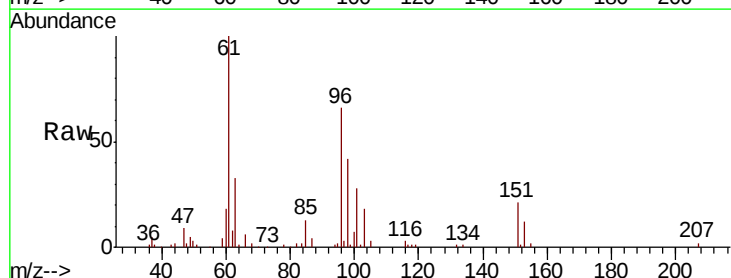
Tgt Ion: 96 Resp: 67506

Ion Ratio Lower Upper

96 100

61 152.4 120.5 180.7

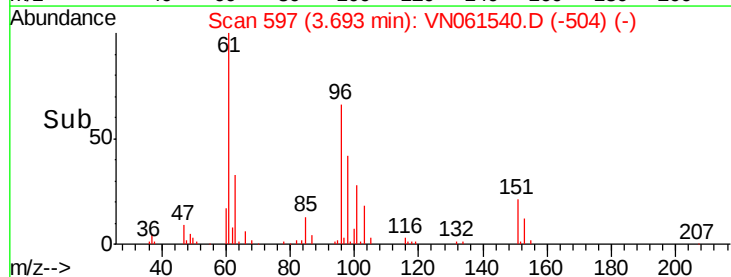
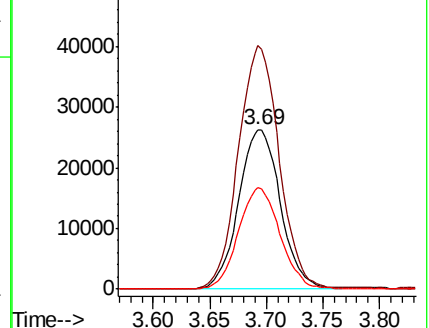
98 63.9 50.8 76.2

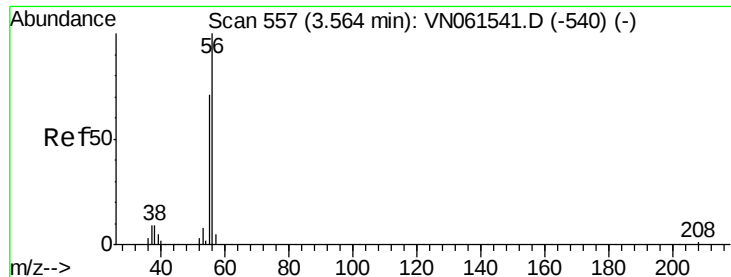


Abundance Ion 95.90 (95.60 to 96.60): VN061540.D (-577) (-)

Ion 60.90 (60.60 to 61.60): VN061540.D (-577) (-)

Ion 97.90 (97.60 to 98.60): VN061540.D (-577) (-)





#13

Acrolein

Concen: 38.157 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

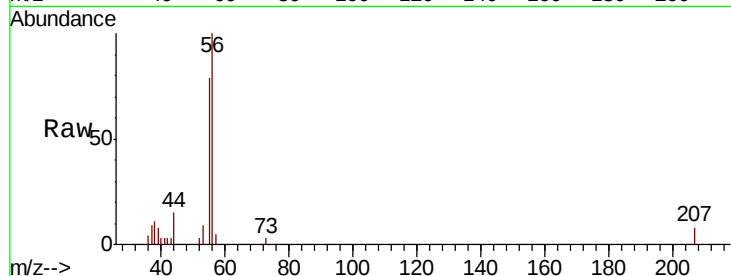
ClientSampleId :

Tot Ion: 56 Resp: 16180

Ion Ratio Lower Upper

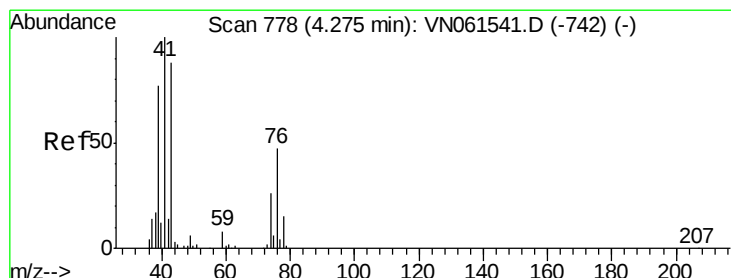
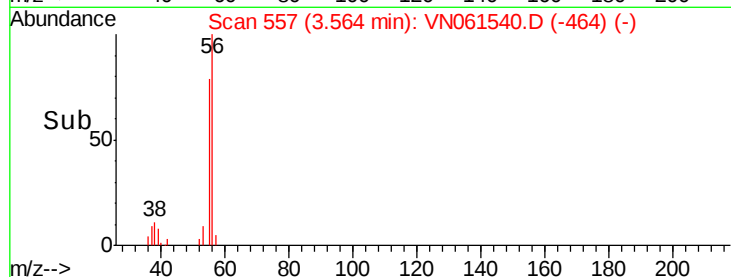
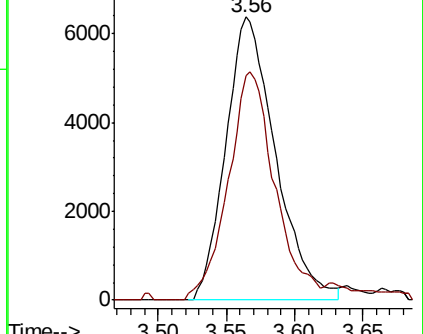
56 100

55 75.3 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN061540.D (-540) (-)

Ion 55.00 (54.70 to 55.70): VN061540.D (-540) (-)



#14

Allyl chloride

Concen: 15.976 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

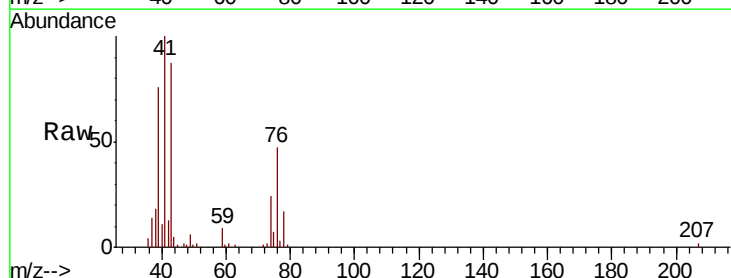
Tgt Ion: 41 Resp: 90761

Ion Ratio Lower Upper

41 100

39 68.9 58.6 88.0

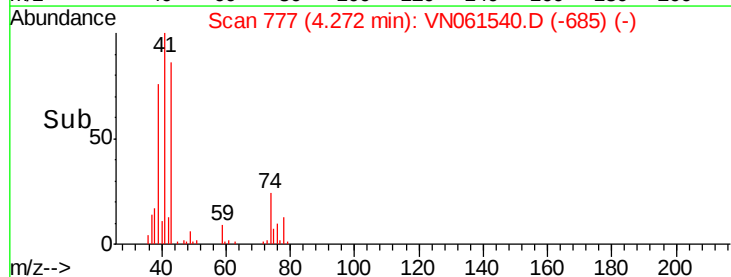
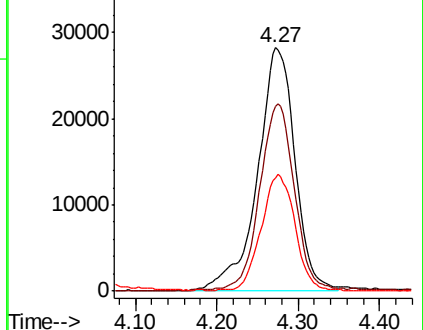
76 43.2 34.2 51.4

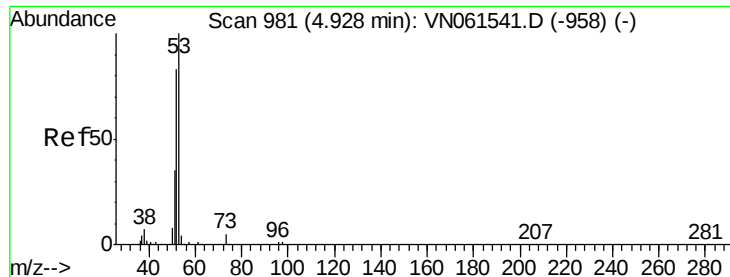


Abundance Ion 41.00 (40.70 to 41.70): VN061540.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN061540.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN061540.D (-685) (-)





#15

Acrylonitrile

Concen: 86.151 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

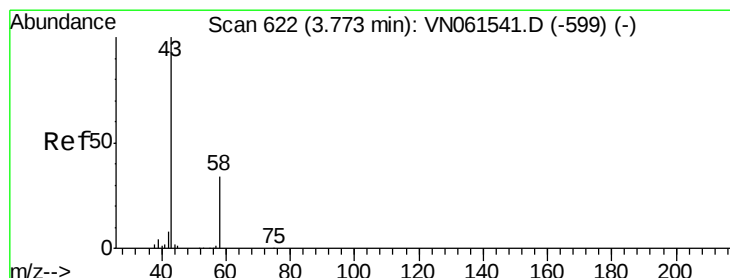
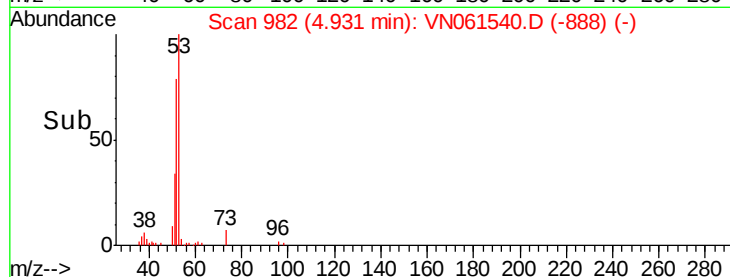
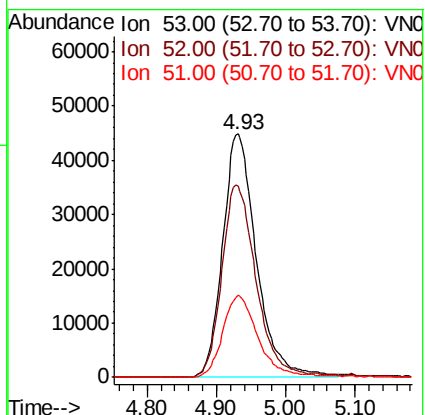
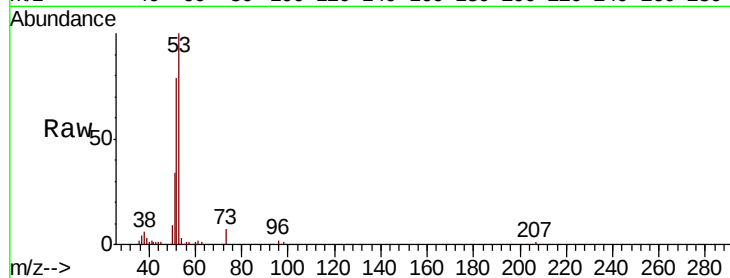
Tot Ion: 53 Resp: 152148

Ion Ratio Lower Upper

53 100

52 79.9 65.4 98.2

51 35.3 29.0 43.6



#16

Acetone

Concen: 74.354 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061540.D

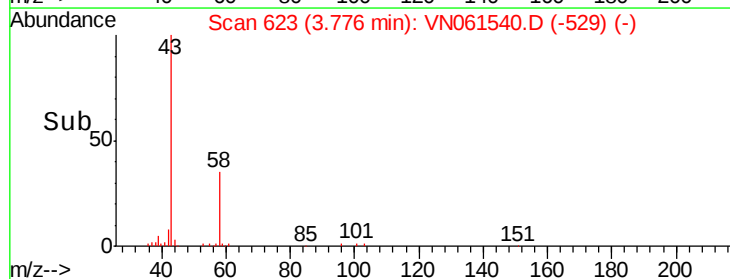
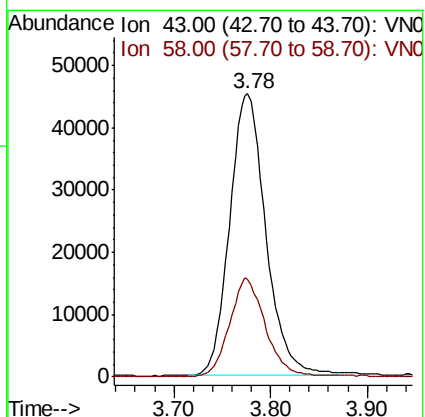
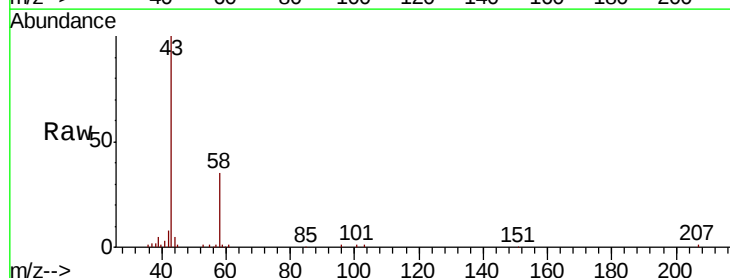
Acq: 28 May 2020 18:32

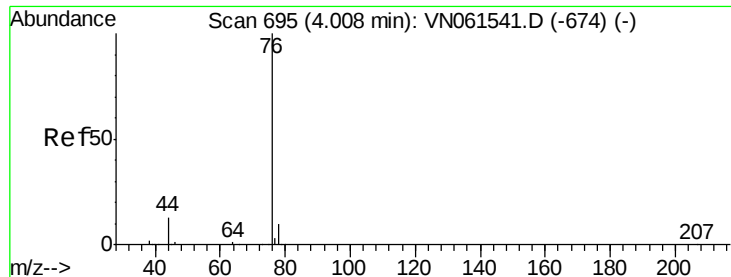
Tgt Ion: 43 Resp: 117208

Ion Ratio Lower Upper

43 100

58 34.7 27.2 40.8

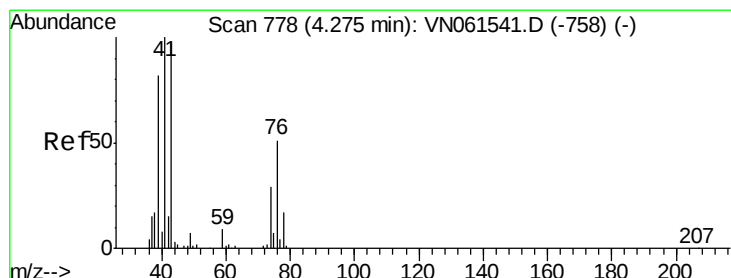
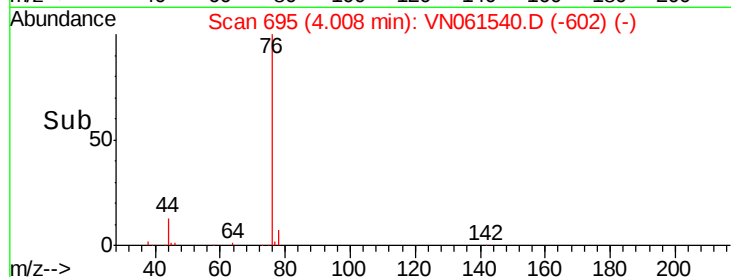
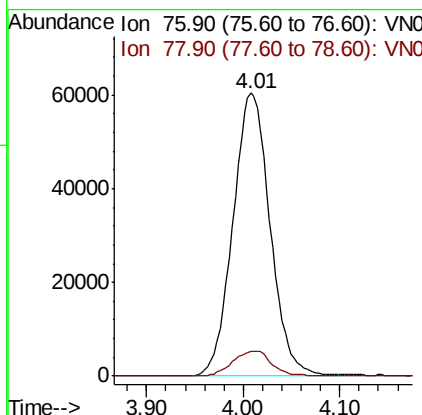
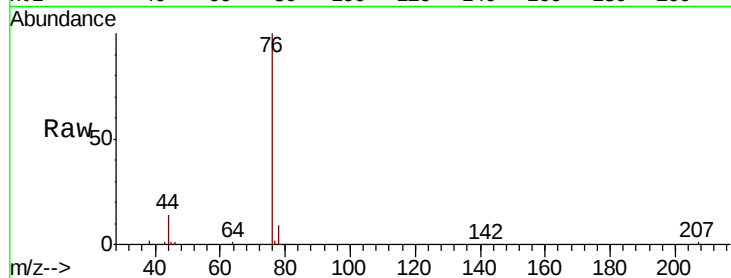




#17
Carbon Disulfide
Concen: 18.042 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

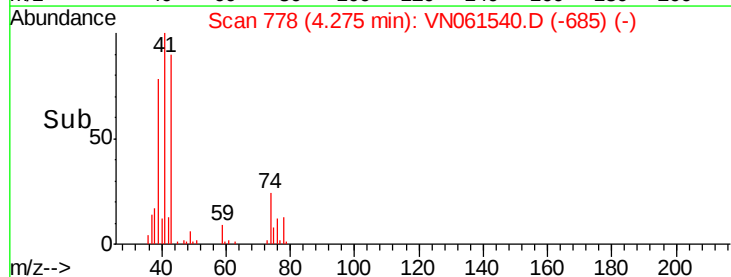
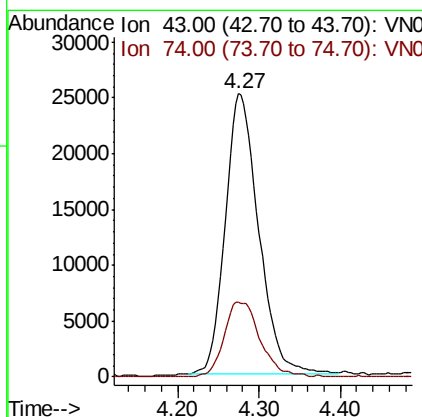
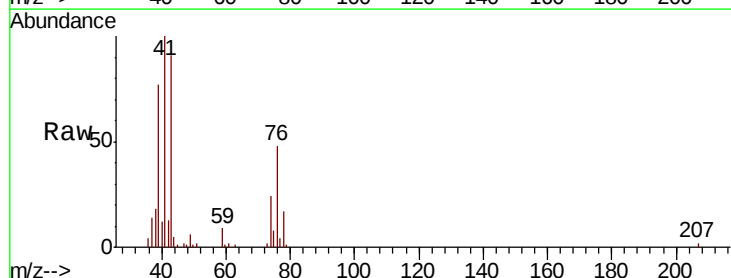
Instrument :
MSVOA_N
ClientSampleId :

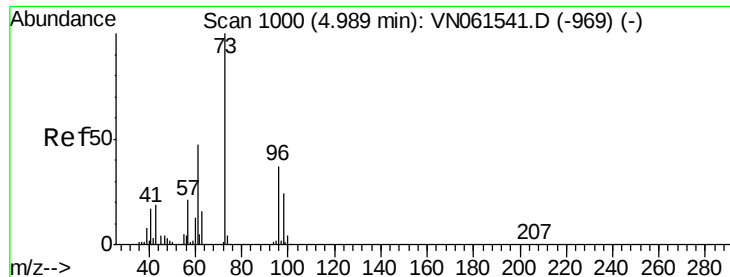
Tot Ion: 76 Resp: 161113
Ion Ratio Lower Upper
76 100
78 8.6 7.8 11.6



#18
Methyl Acetate
Concen: 17.796 ug/l
RT: 4.27 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

Tgt Ion: 43 Resp: 72249
Ion Ratio Lower Upper
43 100
74 28.8 23.2 34.8



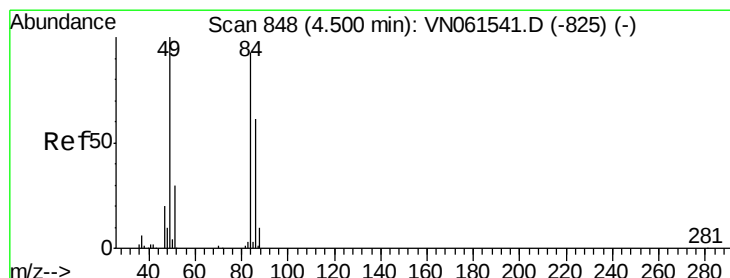
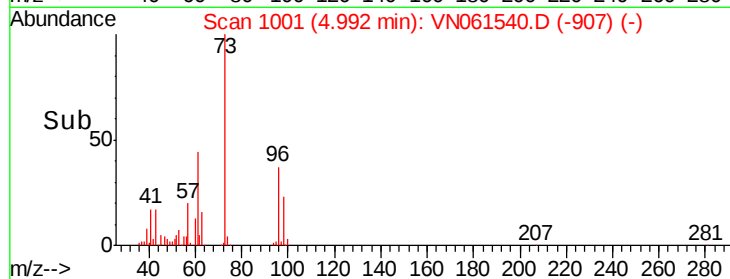
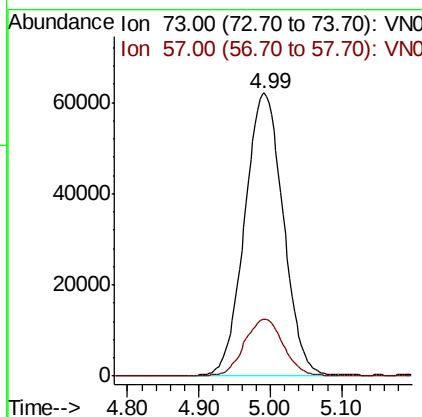
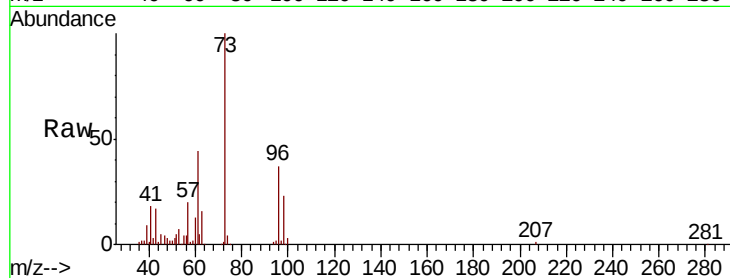


#19

Methyl tert-butyl Ether
 Concen: 17.264 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN061540.D
 Acq: 28 May 2020 18:32

Instrument :
 MSVOA_N
 ClientSampleId :

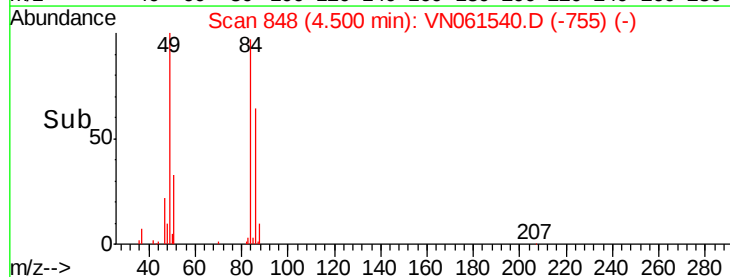
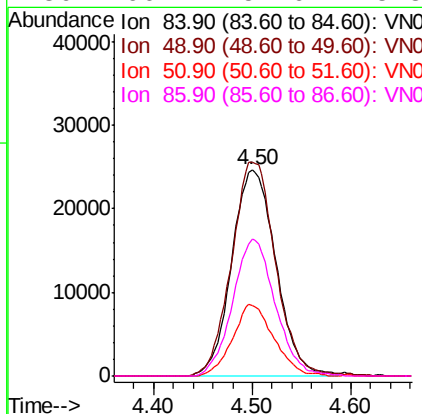
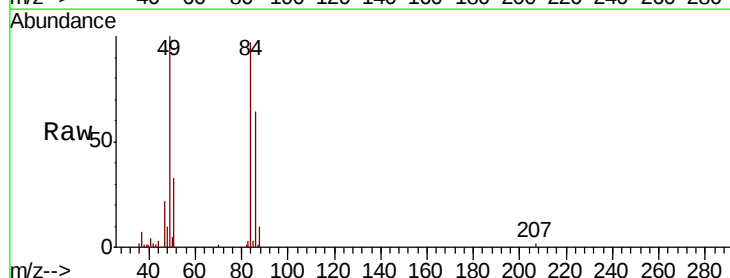
Tot Ion: 73 Resp: 233723
 Ion Ratio Lower Upper
 73 100
 57 20.3 16.4 24.6

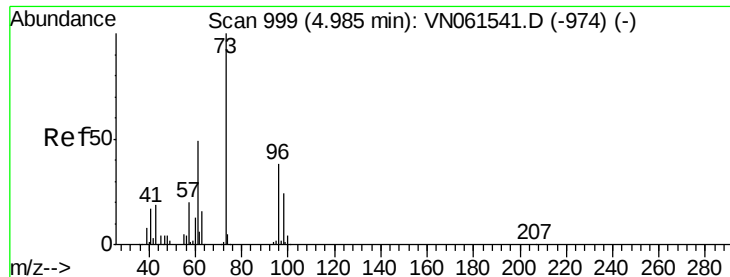


#20

Methylene Chloride
 Concen: 17.820 ug/l
 RT: 4.50 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VN061540.D
 Acq: 28 May 2020 18:32

Tgt Ion: 84 Resp: 76667
 Ion Ratio Lower Upper
 84 100
 49 103.6 85.8 128.8
 51 34.4 26.2 39.2
 86 66.2 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 18.301 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

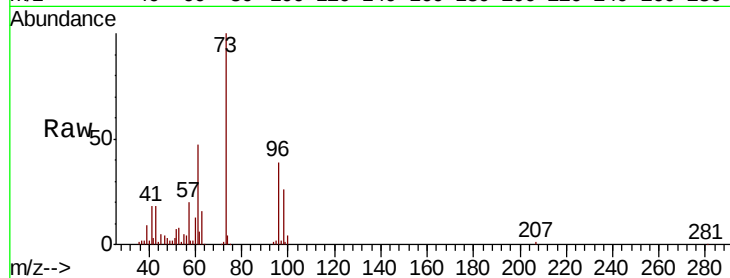
Tot Ion: 96 Resp: 75911

Ion Ratio Lower Upper

96 100

61 119.1 101.4 152.0

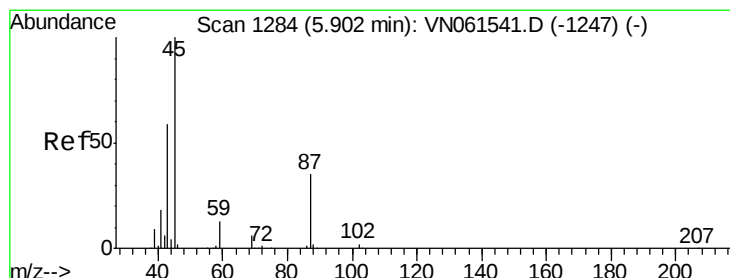
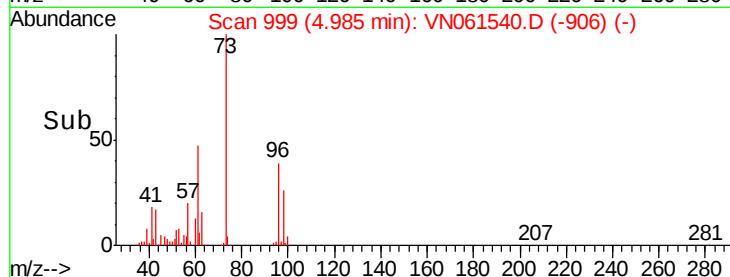
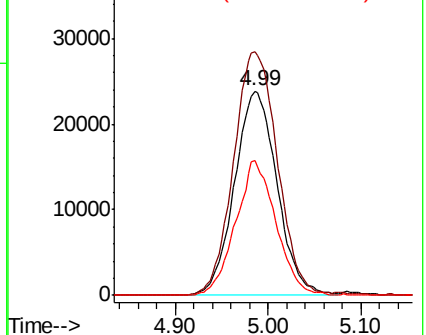
98 65.7 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN061540.D (-974) (-)

Ion 60.90 (60.60 to 61.60): VN061540.D (-974) (-)

Ion 97.90 (97.60 to 98.60): VN061540.D (-974) (-)



#22

Diisopropyl ether

Concen: 15.739 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Tgt Ion: 45 Resp: 201589

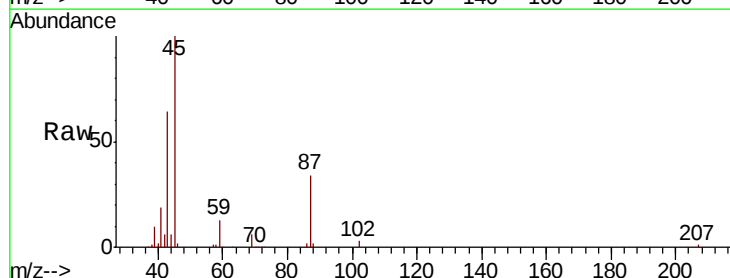
Ion Ratio Lower Upper

45 100

43 61.9 47.9 71.9

87 34.0 28.4 42.6

59 13.1 10.5 15.7

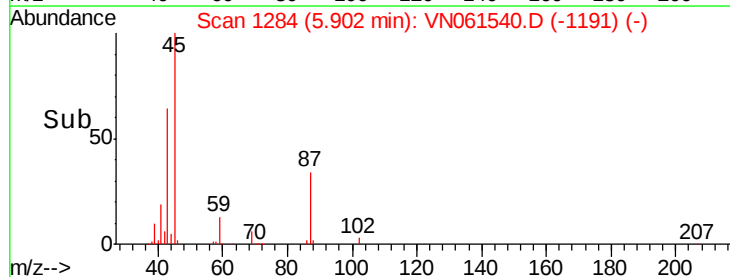
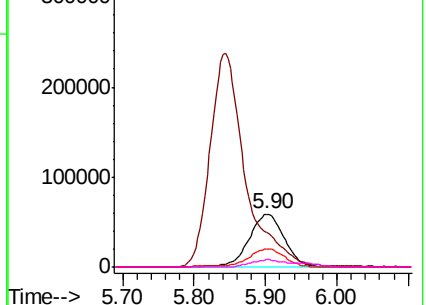


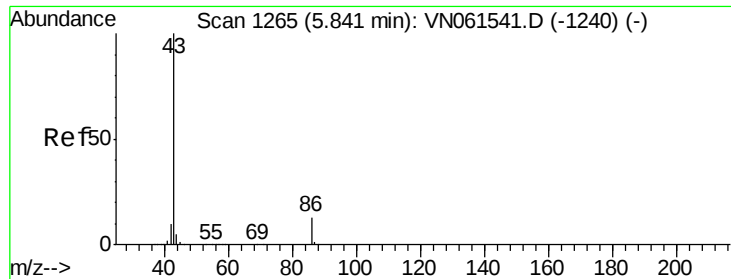
Abundance Ion 45.00 (44.70 to 45.70): VN061540.D (-1247) (-)

Ion 43.00 (42.70 to 43.70): VN061540.D (-1247) (-)

Ion 87.00 (86.70 to 87.70): VN061540.D (-1247) (-)

Ion 59.00 (58.70 to 59.70): VN061540.D (-1247) (-)

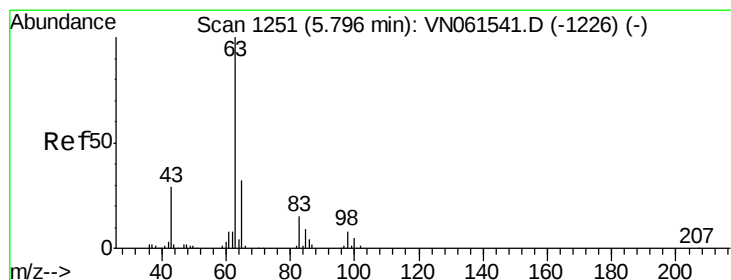
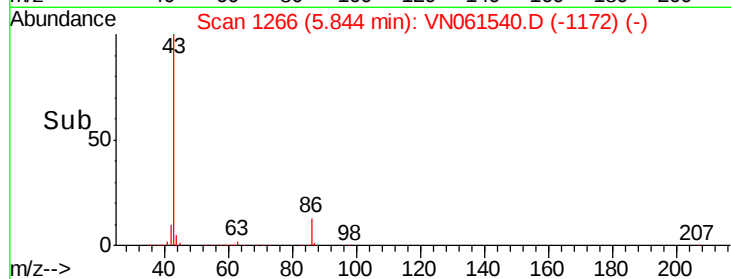
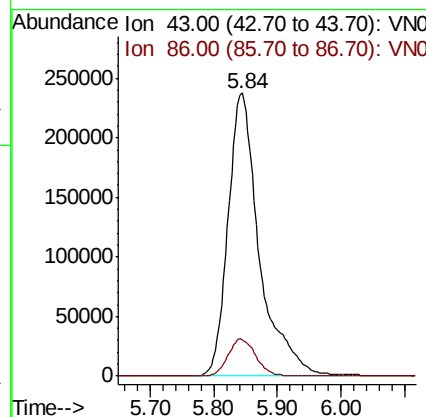
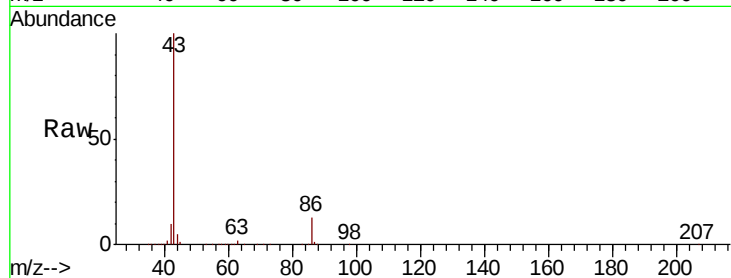




#23
 Vinyl Acetate
 Concen: 80.037 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN061540.D
 Acq: 28 May 2020 18:32

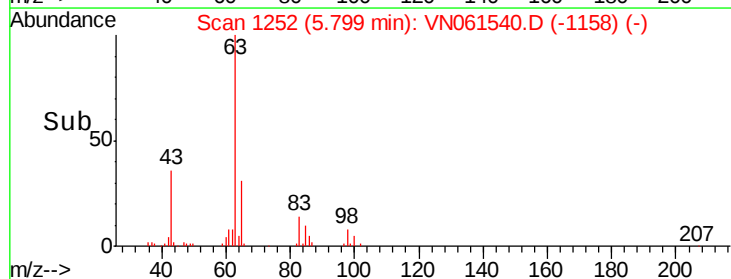
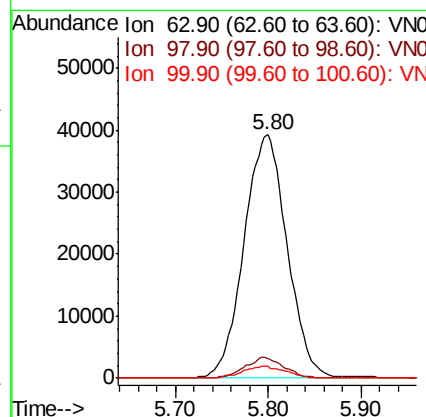
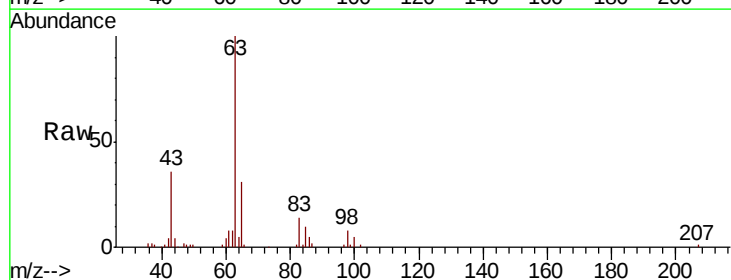
Instrument :
 MSVOA_N
 ClientSampled :

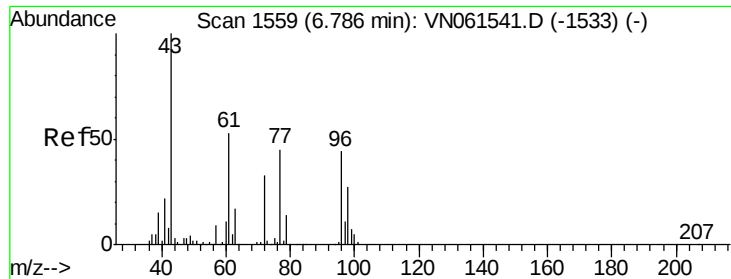
Tot Ion: 43 Resp: 814989
 Ion Ratio Lower Upper
 43 100
 86 13.0 10.6 16.0



#24
 1,1-Dichloroethane
 Concen: 16.787 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN061540.D
 Acq: 28 May 2020 18:32

Tgt Ion: 63 Resp: 126557
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.8 11.4
 100 4.7 2.5 7.6

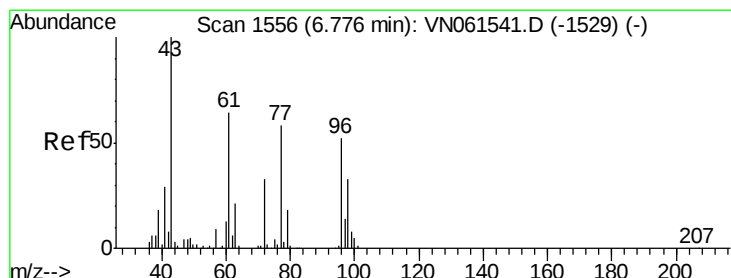
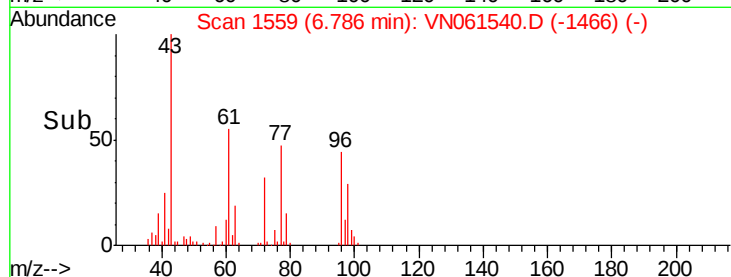
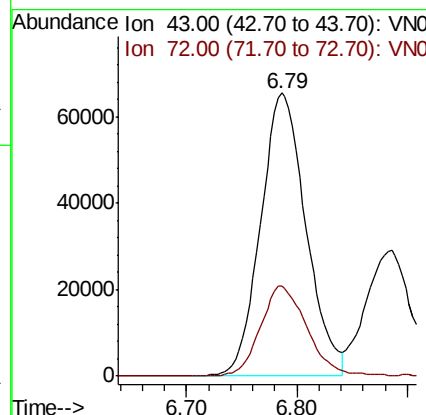
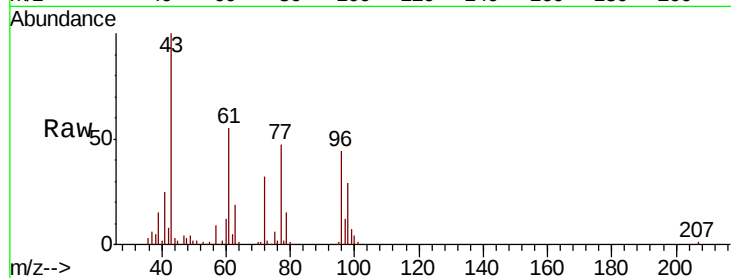




#25
2-Butanone
Concen: 79.843 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

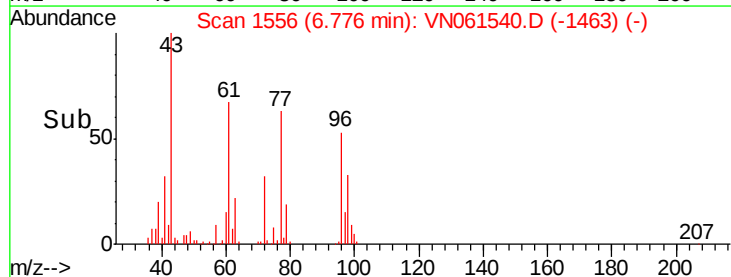
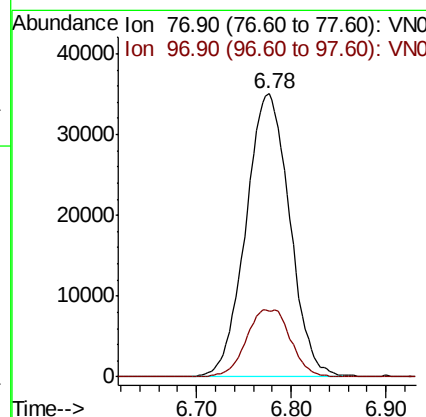
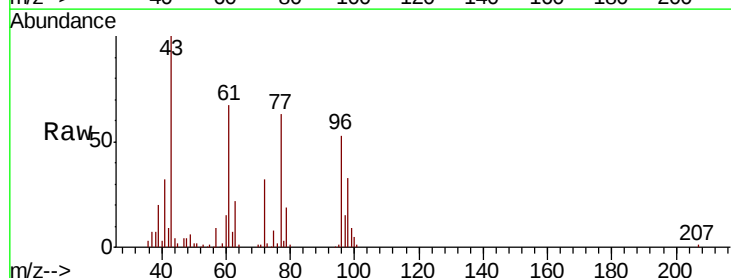
Instrument :
MSVOA_N
ClientSampleId :

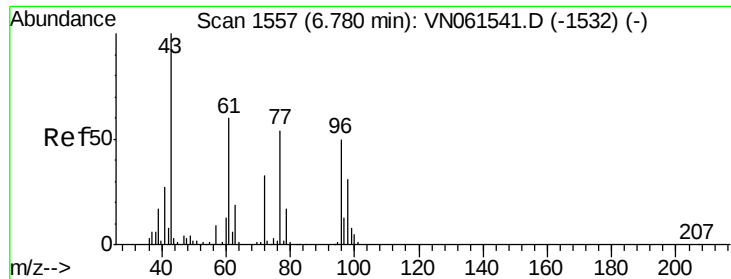
Tot Ion: 43 Resp: 186746
Ion Ratio Lower Upper
43 100
72 32.0 26.0 39.0



#26
2,2-Dichloropropane
Concen: 15.762 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

Tgt Ion: 77 Resp: 112627
Ion Ratio Lower Upper
77 100
97 24.0 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 18.222 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :

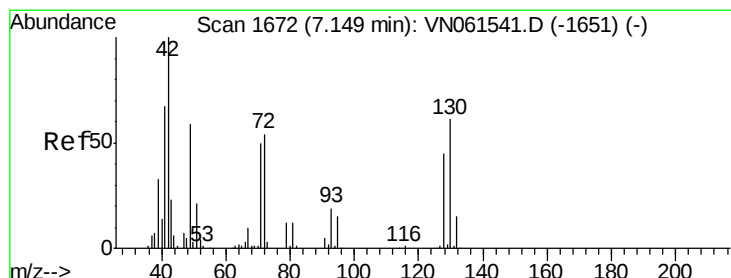
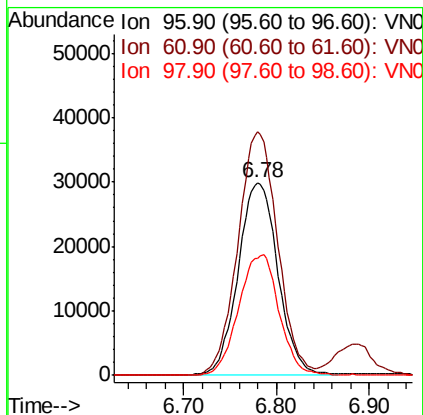
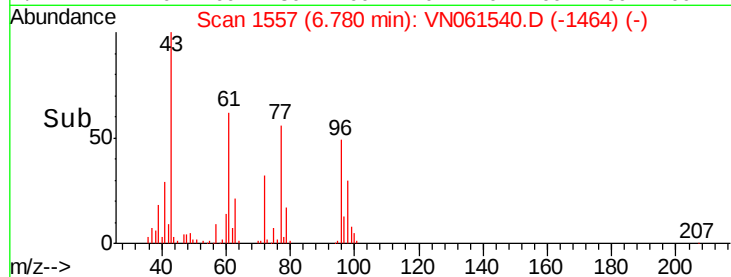
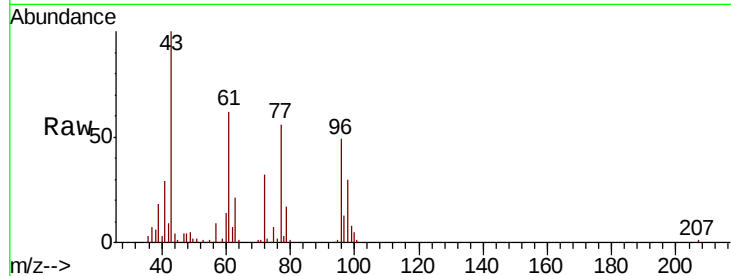
Tot Ion: 96 Resp: 89163

Ion Ratio Lower Upper

96 100

61 126.0 0.0 252.2

98 63.4 0.0 129.2



#28

Bromochloromethane

Concen: 17.195 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

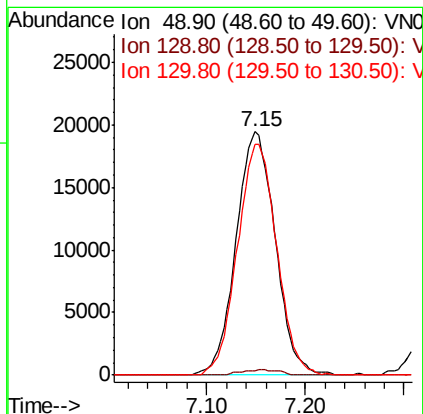
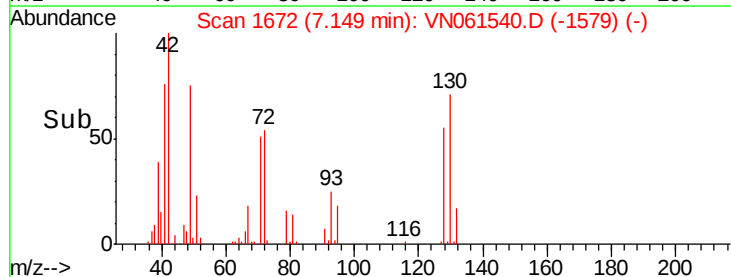
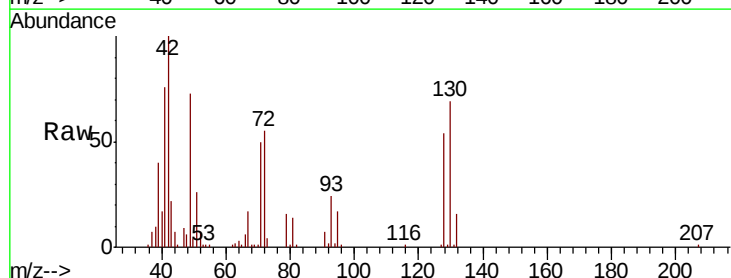
Tgt Ion: 49 Resp: 53607

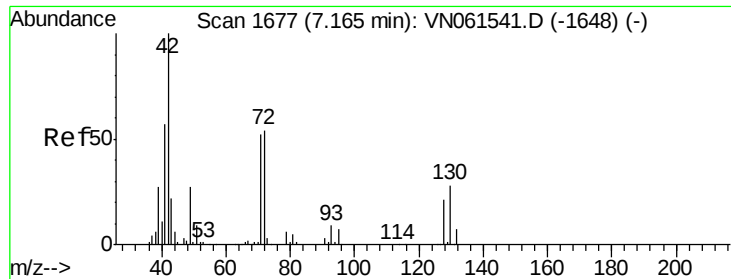
Ion Ratio Lower Upper

49 100

129 1.6 0.0 4.8

130 94.7 78.8 118.2

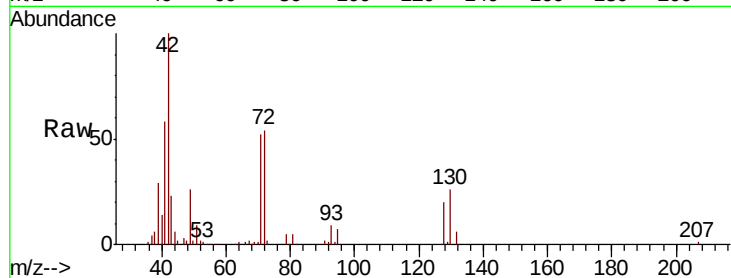




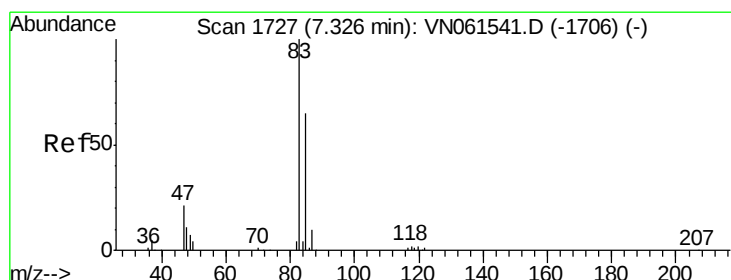
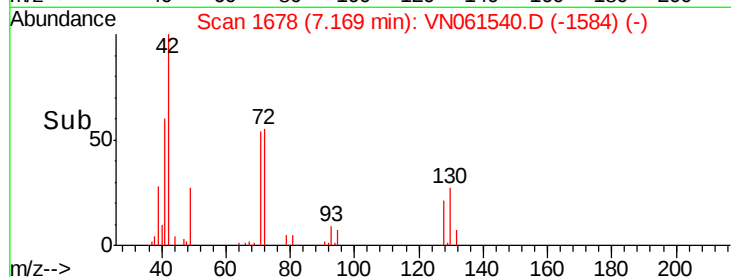
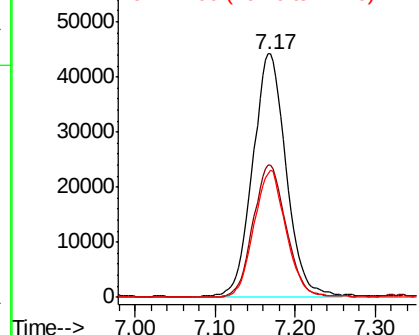
#29
Tetrahydrofuran
Concen: 82.106 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 127176
Ion Ratio Lower Upper
42 100
72 53.6 43.6 65.4
71 49.7 41.2 61.8

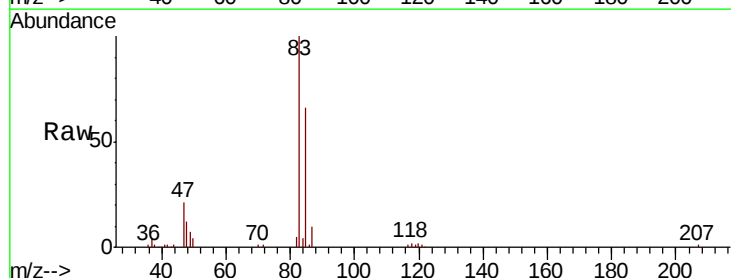


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

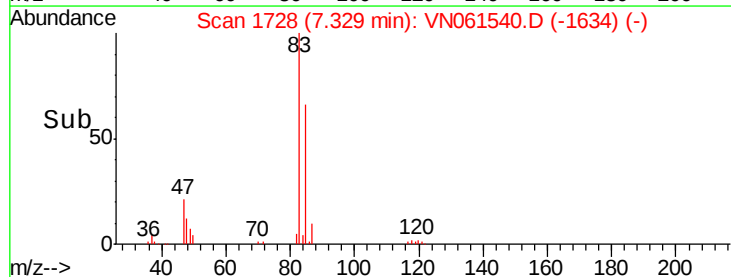
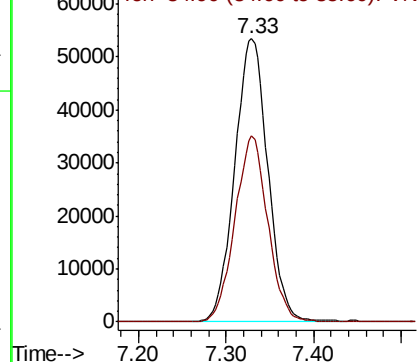


#30
Chloroform
Concen: 17.759 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

Tgt Ion: 83 Resp: 140608
Ion Ratio Lower Upper
83 100
85 65.7 51.7 77.5



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





#31

Cyclohexane

Concen: 16.003 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :
MSVOA_N
ClientSampled :

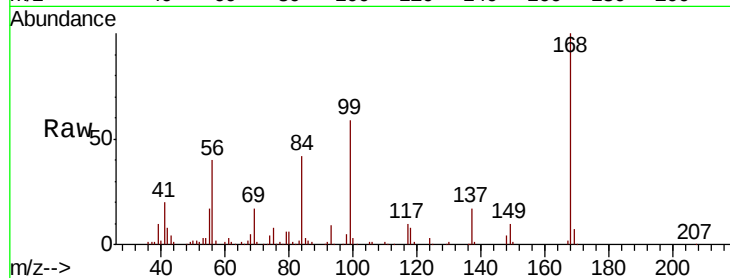
Tot Ion: 56 Resp: 114693

Ion Ratio Lower Upper

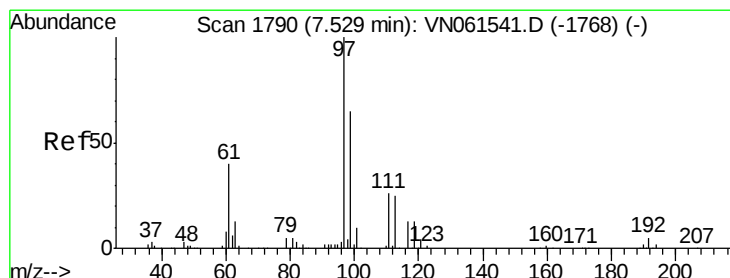
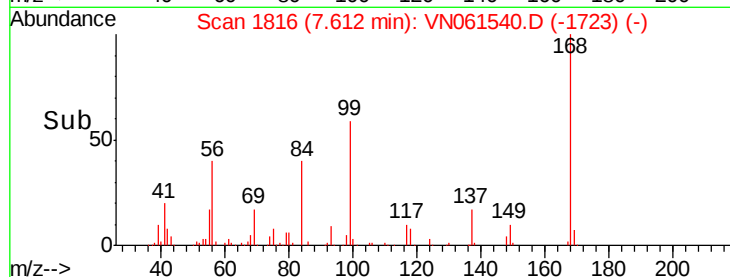
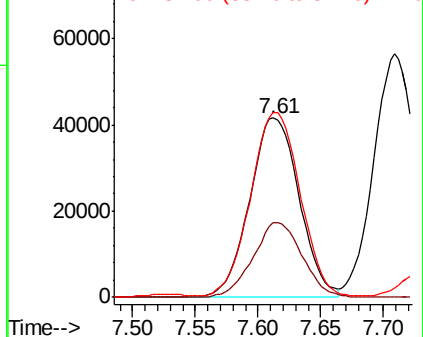
56 100

69 41.5 27.8 41.8

84 101.5 79.9 119.9



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 17.674 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

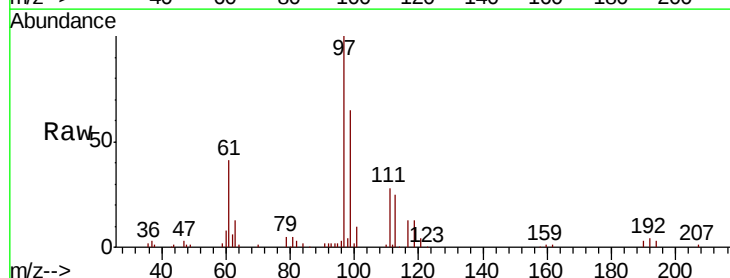
Tgt Ion: 97 Resp: 128020

Ion Ratio Lower Upper

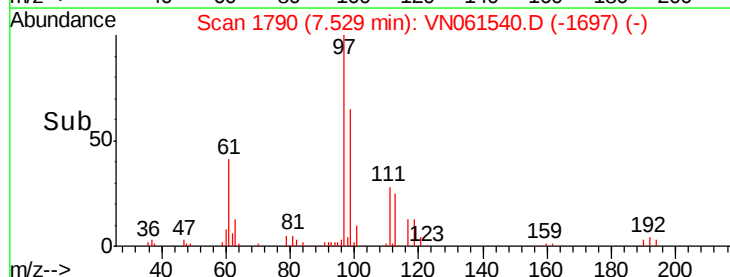
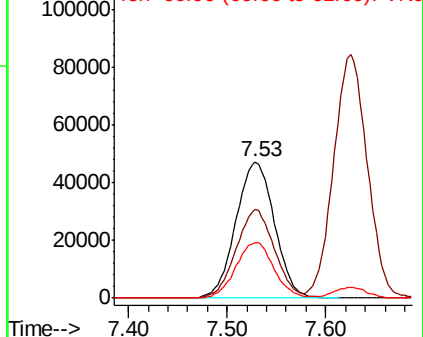
97 100

99 64.3 51.4 77.0

61 40.2 31.4 47.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

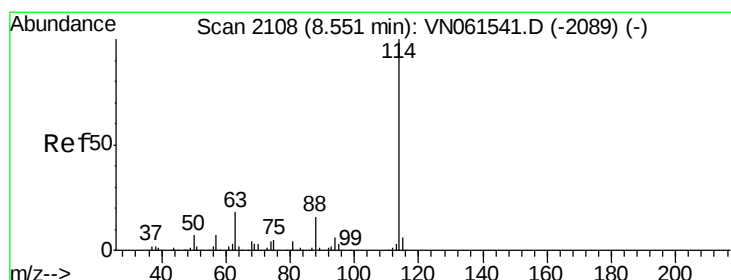
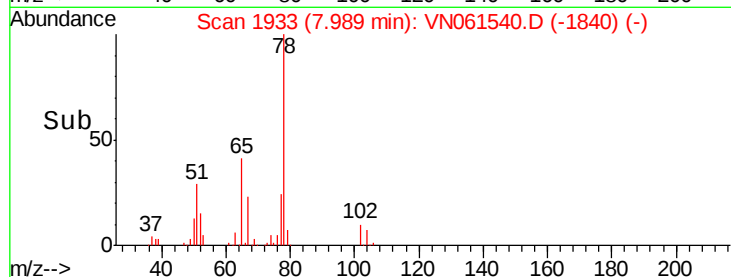
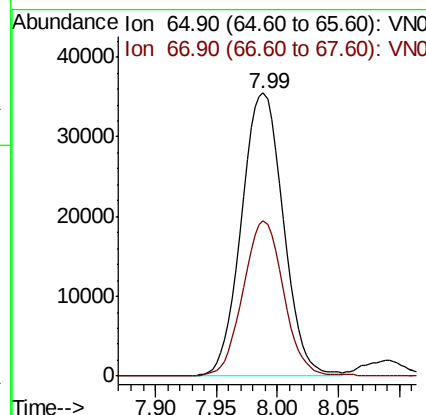
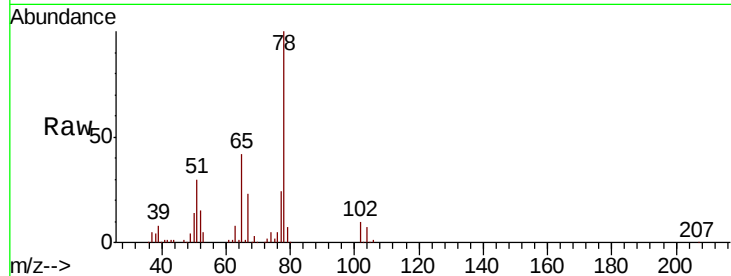




#33
 1,2-Dichloroethane-d4
 Concen: 16.421 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061540.D
 Acq: 28 May 2020 18:32

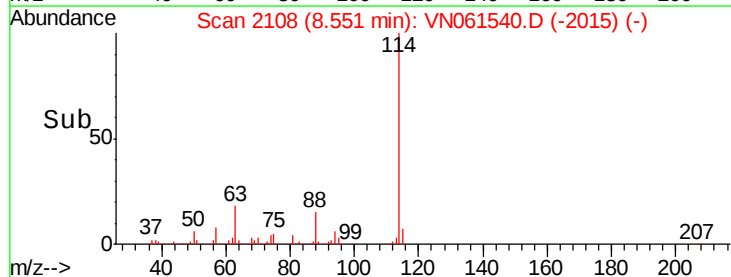
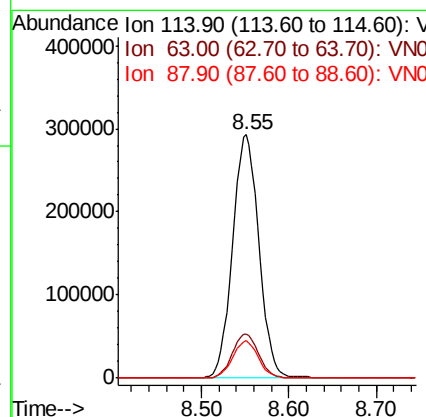
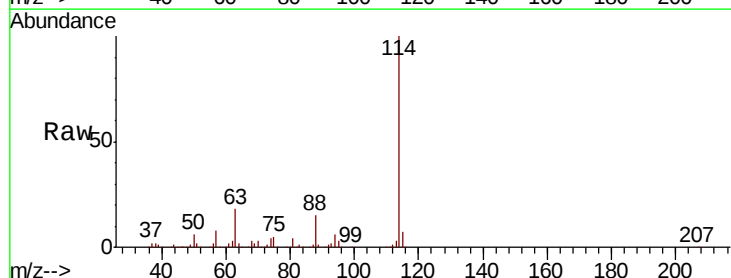
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 65 Resp: 84418
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061540.D
 Acq: 28 May 2020 18:32

Tgt Ion: 114 Resp: 612124
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.8
 88 15.2 0.0 31.0

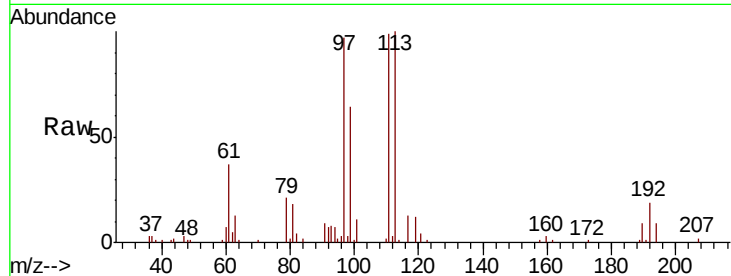




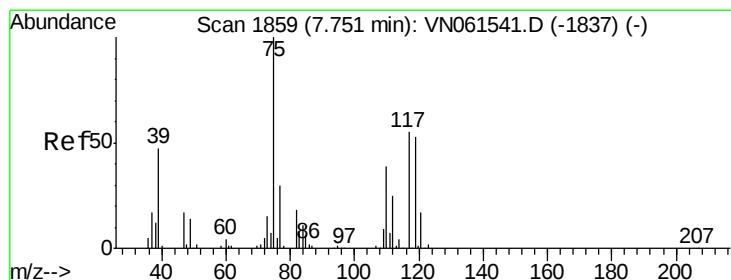
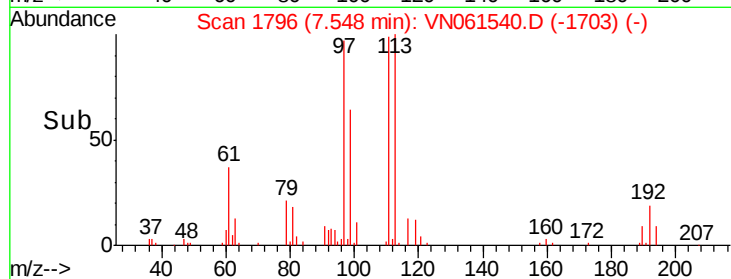
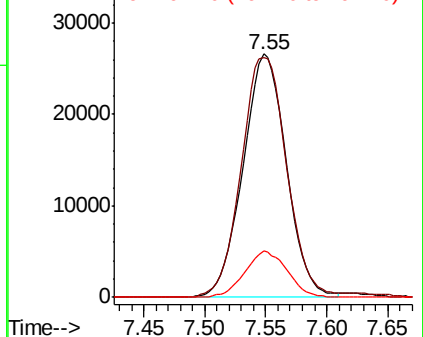
#35
 Dibromofluoromethane
 Concen: 20.287 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061540.D
 Acq: 28 May 2020 18:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 65395
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.4 125.0
 192 18.6 15.4 23.2

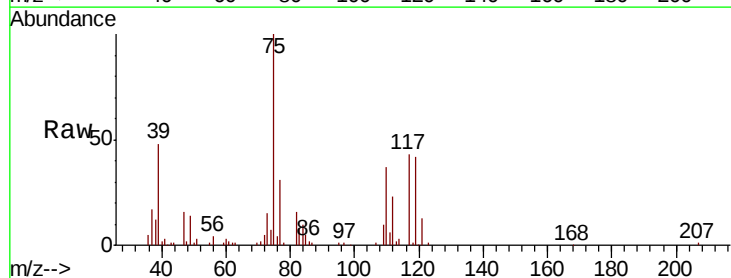


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

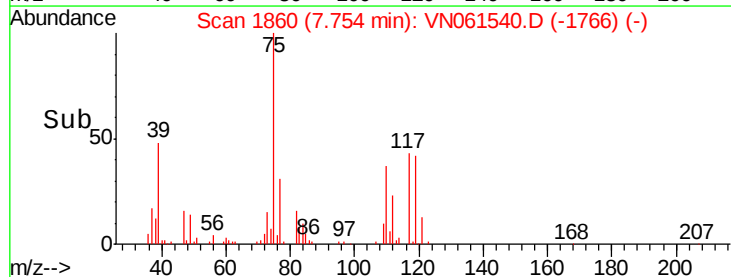
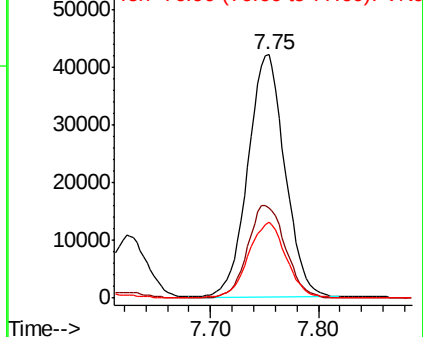


#36
 1,1-Dichloropropene
 Concen: 17.815 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061540.D
 Acq: 28 May 2020 18:32

Tgt Ion: 75 Resp: 100476
 Ion Ratio Lower Upper
 75 100
 110 38.9 19.5 58.5
 77 32.1 24.7 37.1



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

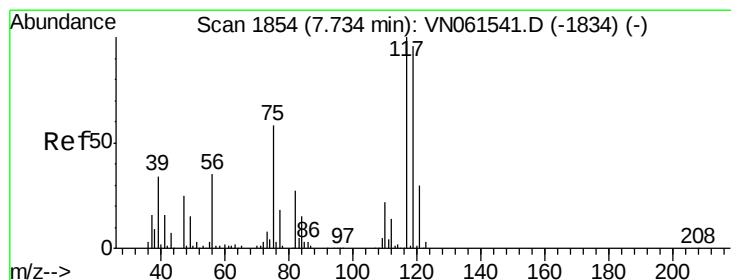
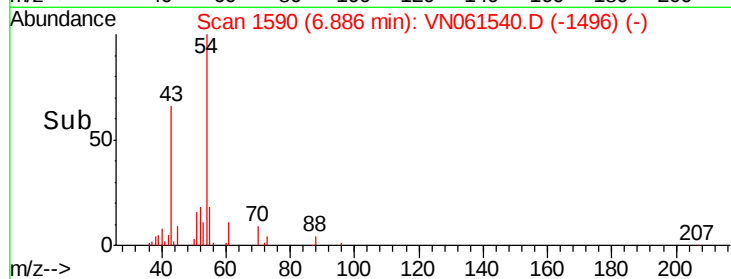
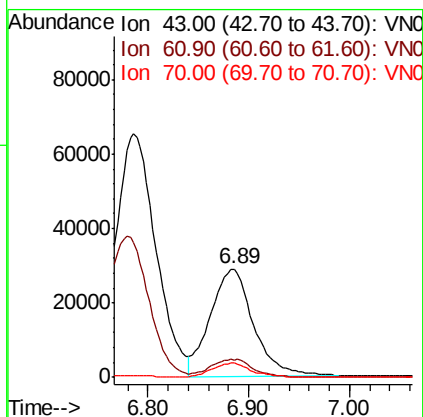
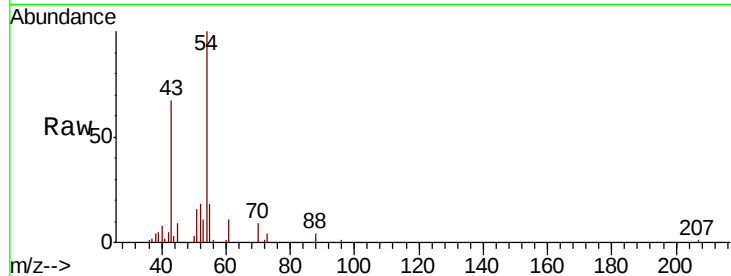




#37
Ethyl Acetate
Concen: 16.729 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

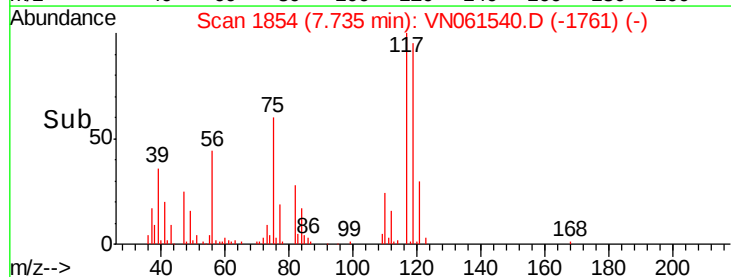
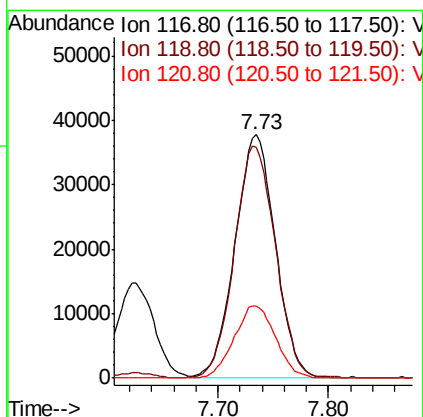
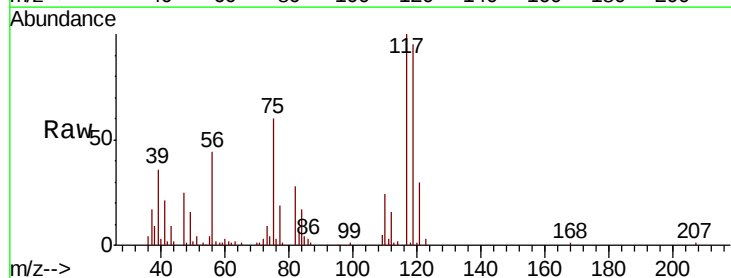
Instrument :
MSVOA_N
ClientSampleId :

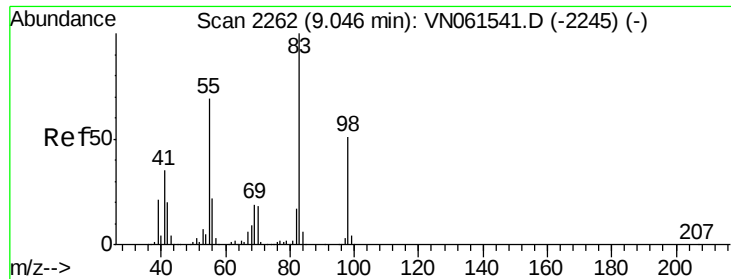
Tot Ion: 43 Resp: 85386
Ion Ratio Lower Upper
43 100
61 16.6 12.2 18.4
70 12.2 9.4 14.2



#38
Carbon Tetrachloride
Concen: 18.388 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

Tgt Ion: 117 Resp: 95944
Ion Ratio Lower Upper
117 100
119 94.3 76.5 114.7
121 29.6 24.1 36.1

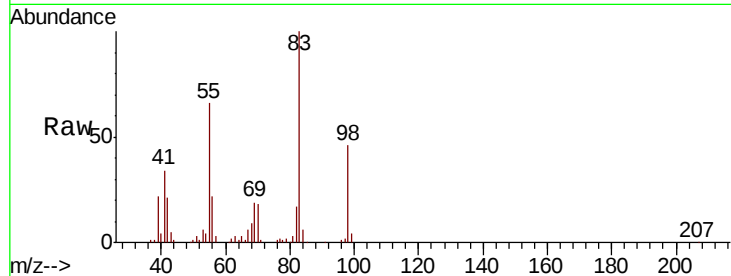




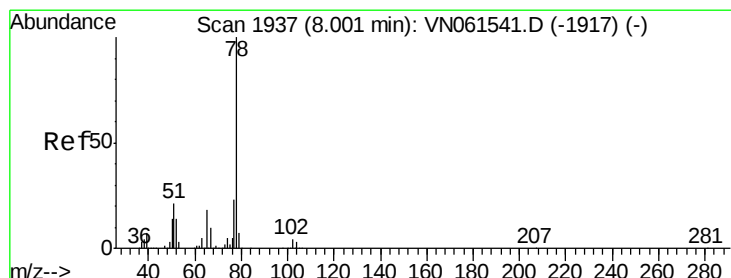
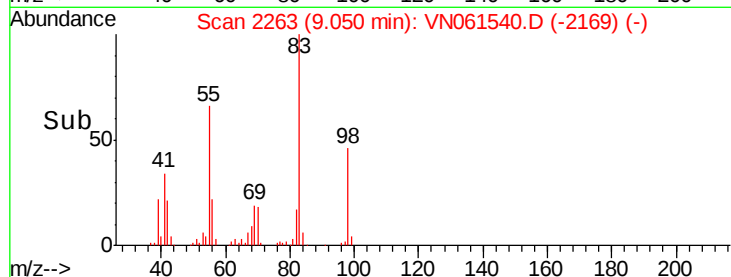
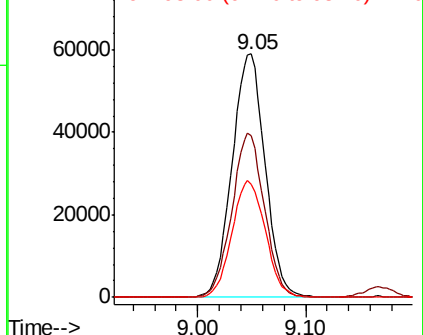
#39
Methvlcvclohexane
Concen: 18.238 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	83	Resp	125927
Ion Ratio	Lower	Upper	
83	100		
55	66.3	54.9	82.3
98	46.5	41.0	61.4

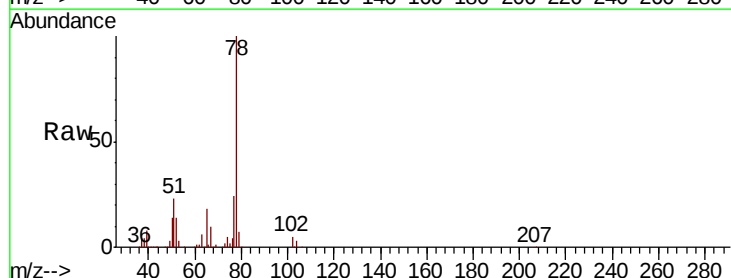


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

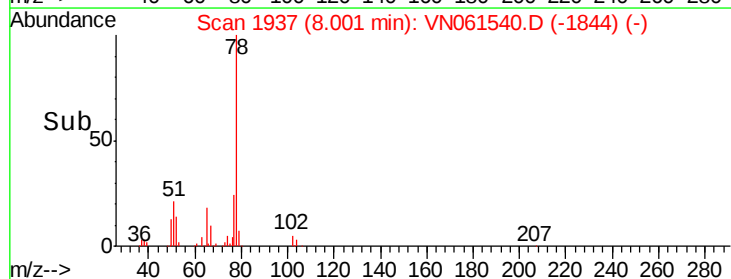
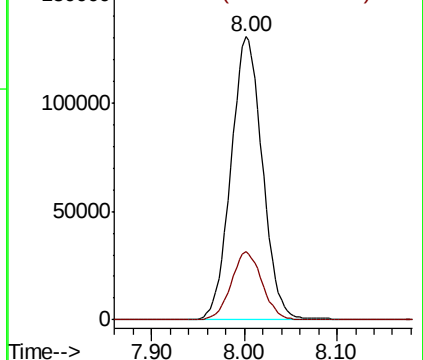


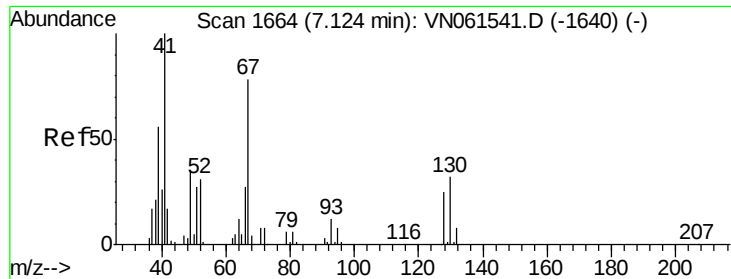
#40
Benzene
Concen: 18.047 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

Tgt Ion	78	Resp	307274
Ion Ratio	Lower	Upper	
78	100		
77	24.2	18.6	28.0



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

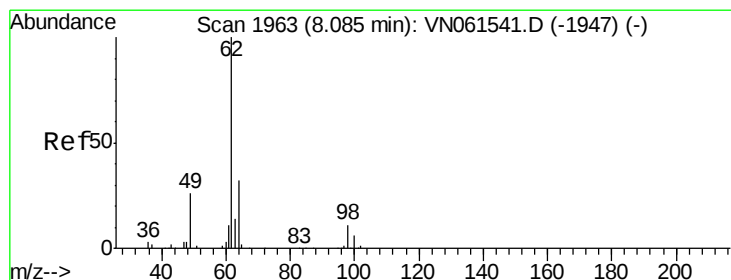
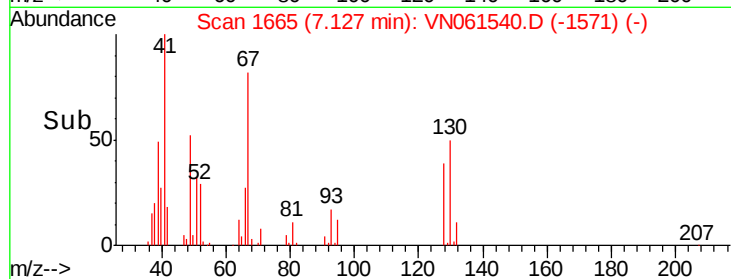
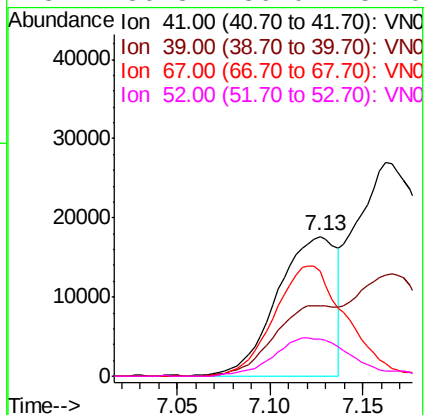
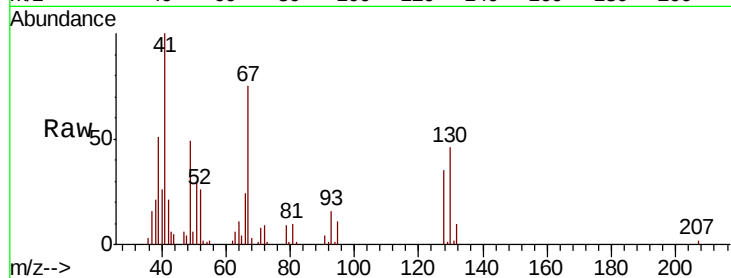




#41
Methacrylonitrile
Concen: 18.727 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

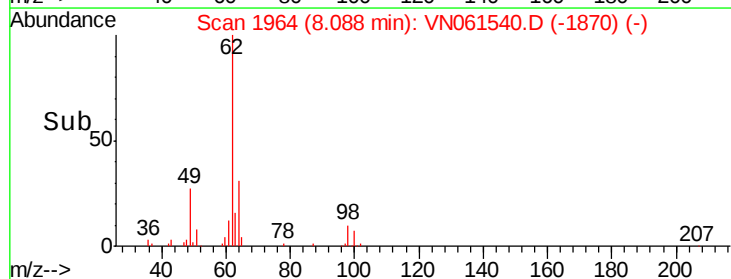
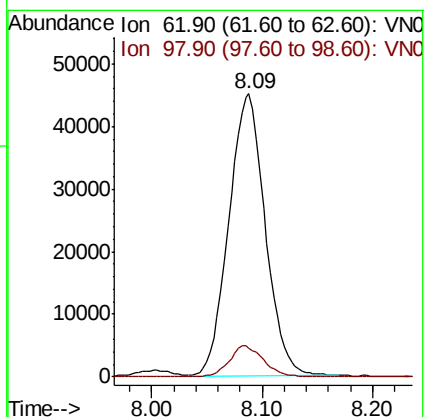
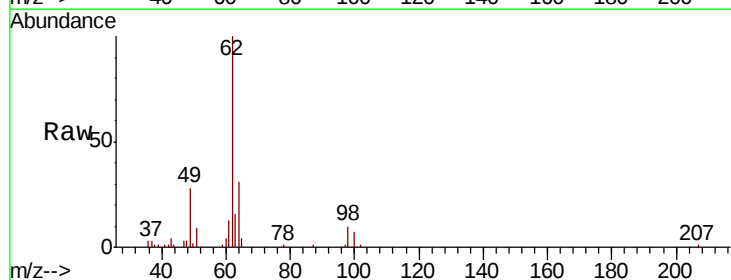
Instrument :
MSVOA_N
ClientSampled :

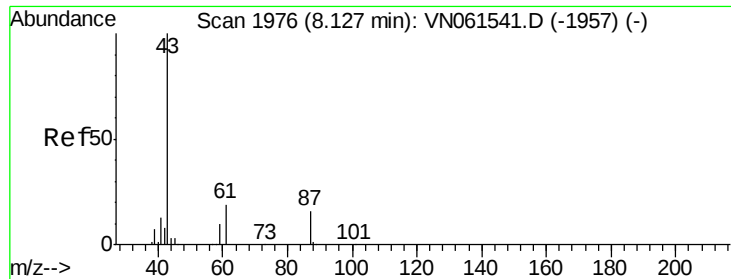
Tot Ion: 41 Resp: 39299
Ion Ratio Lower Upper
41 100
39 48.8 53.8 80.6#
67 96.5 91.1 136.7
52 36.3 36.0 54.0



#42
1,2-Dichloroethane
Concen: 16.981 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

Tgt Ion: 62 Resp: 103077
Ion Ratio Lower Upper
62 100
98 10.4 0.0 21.4

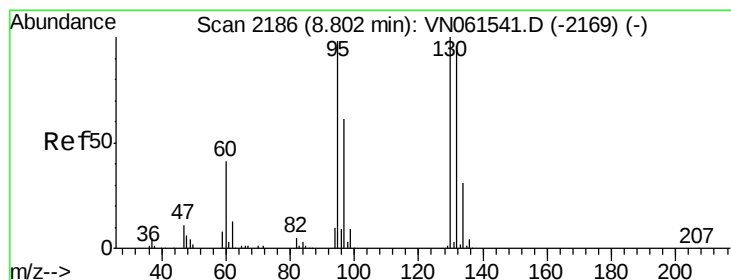
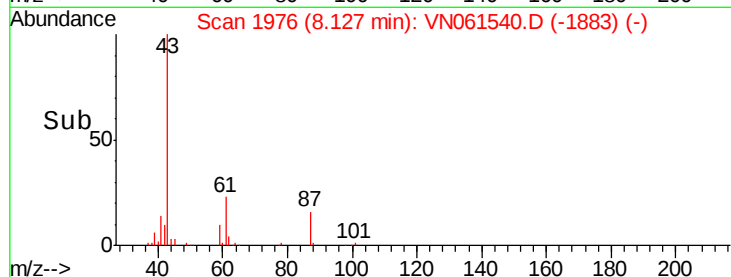
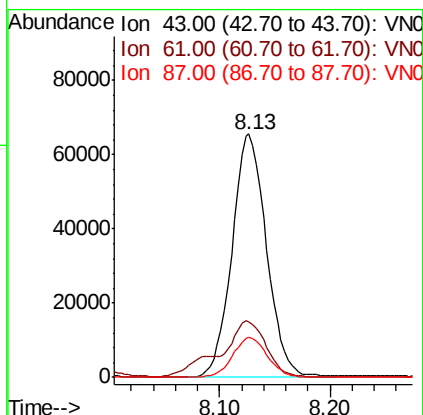
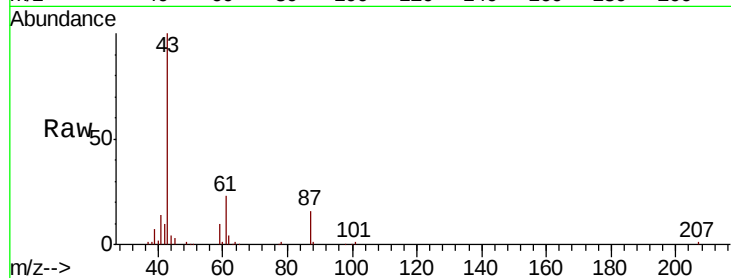




#43
Isopropyl Acetate
Concen: 16.104 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

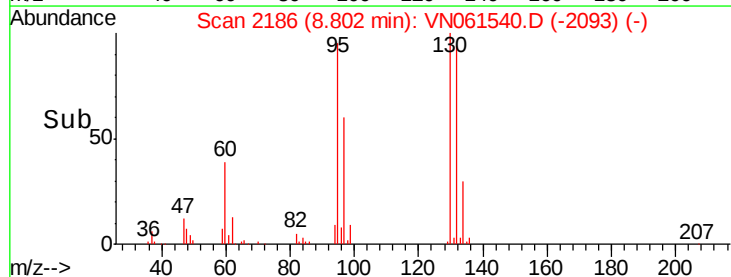
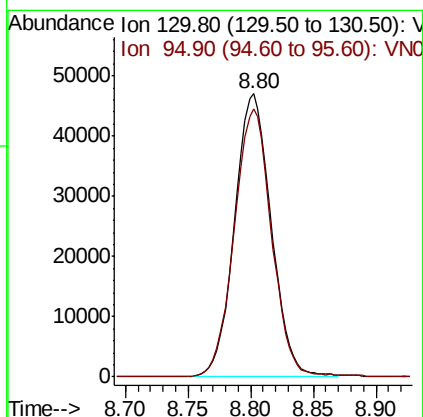
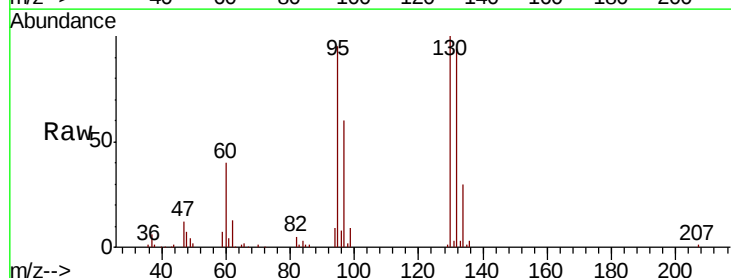
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 142258
Ion Ratio Lower Upper
43 100
61 23.3 23.6 35.4#
87 16.4 13.0 19.6



#44
Trichloroethene
Concen: 20.800 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

Tgt Ion: 130 Resp: 95794
Ion Ratio Lower Upper
130 100
95 94.6 0.0 196.6





#45

1,2-Dichloropropane

Concen: 17.245 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

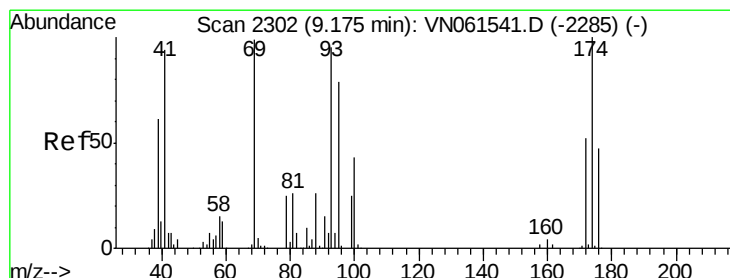
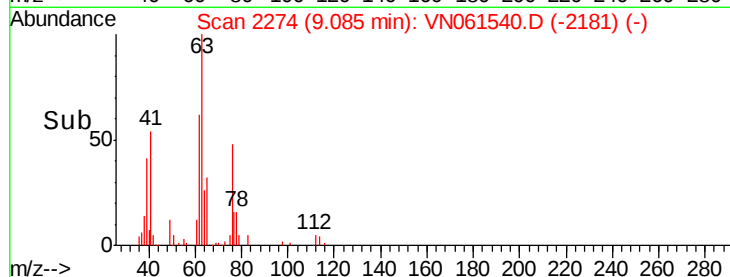
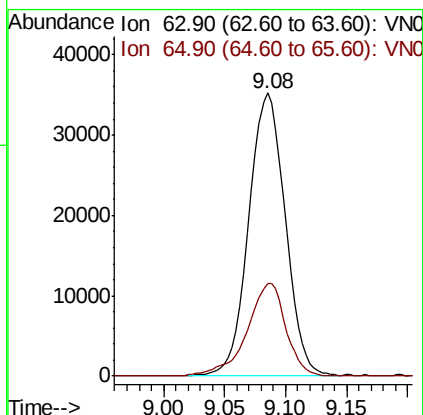
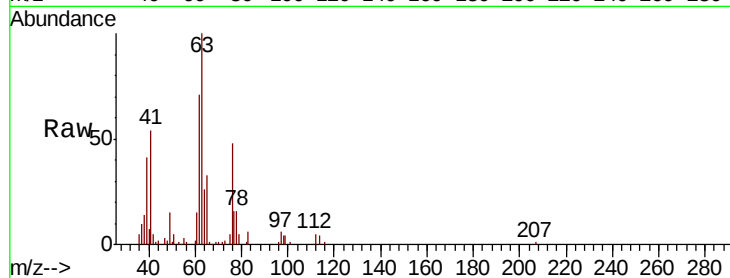
ClientSampled :

Tot Ion: 63 Resp: 72955

Ion Ratio Lower Upper

63 100

65 32.7 24.7 37.1



#46

Dibromomethane

Concen: 18.548 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

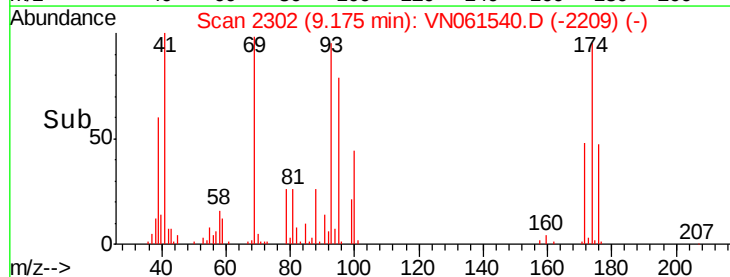
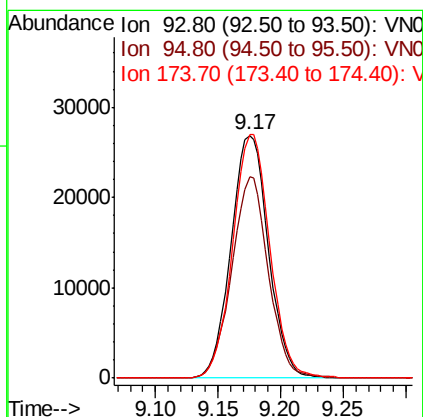
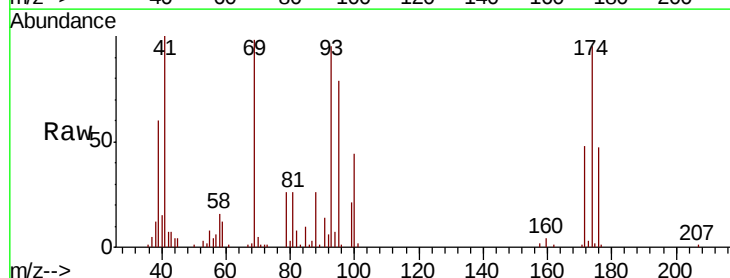
Tgt Ion: 93 Resp: 55799

Ion Ratio Lower Upper

93 100

95 81.0 66.0 99.0

174 99.7 82.5 123.7





#47

Bromodichloromethane

Concen: 17.822 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

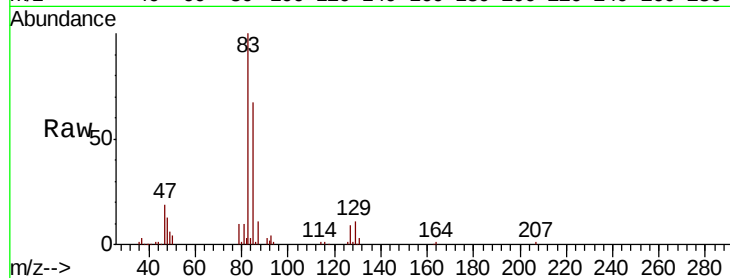
Tot Ion: 83 Resp: 111778

Ion Ratio Lower Upper

83 100

85 66.8 51.1 76.7

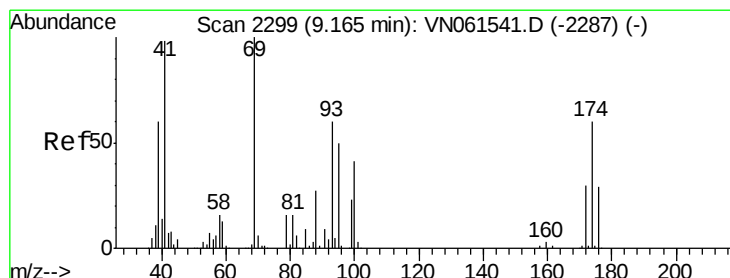
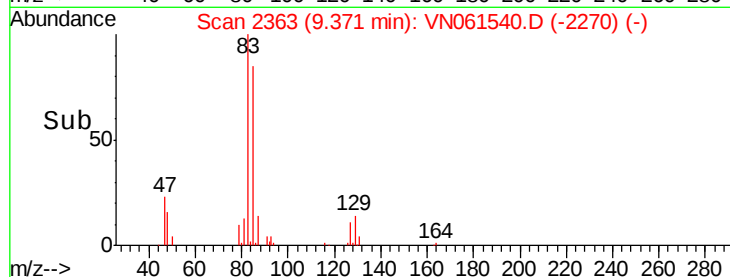
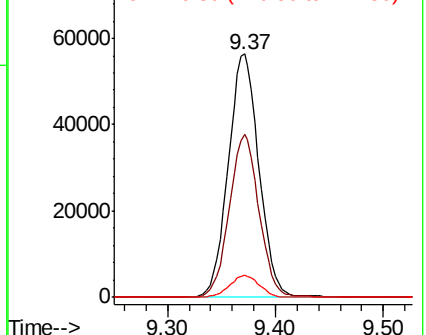
127 8.9 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN061540.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061540.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061540.D (-2270) (-)



#48

Methyl methacrylate

Concen: 15.352 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

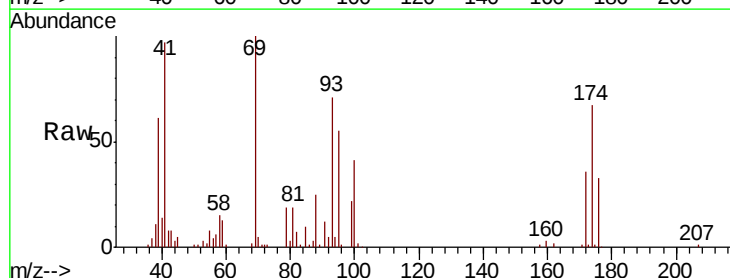
Tgt Ion: 41 Resp: 62272

Ion Ratio Lower Upper

41 100

69 104.0 83.9 125.9

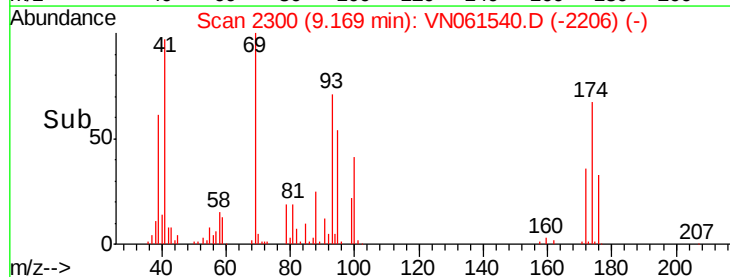
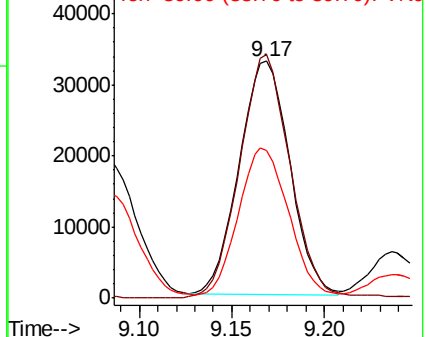
39 62.0 52.1 78.1



Abundance Ion 41.00 (40.70 to 41.70): VN061540.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061540.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061540.D (-2206) (-)





#49

1,4-Dioxane

Concen: 368.803 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :

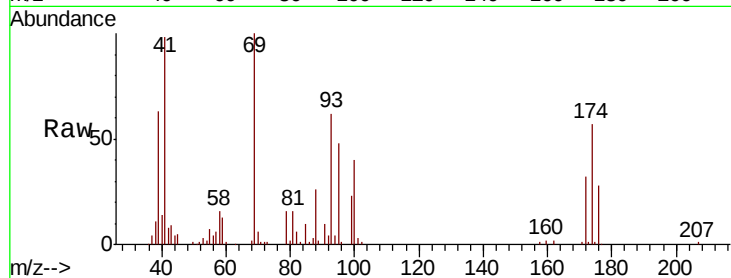
Tot Ion: 88 Resp: 18732

Ion Ratio Lower Upper

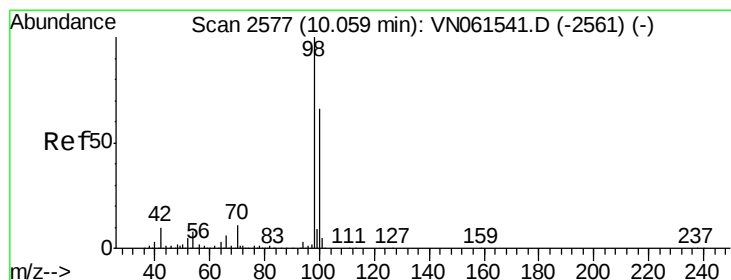
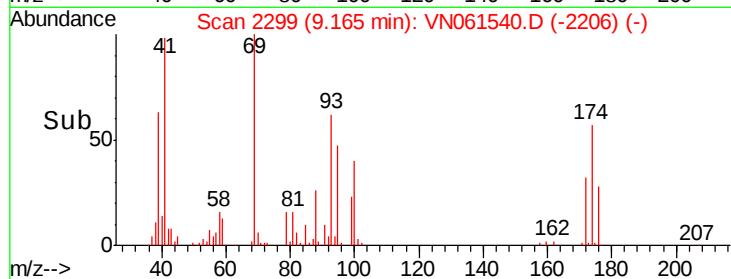
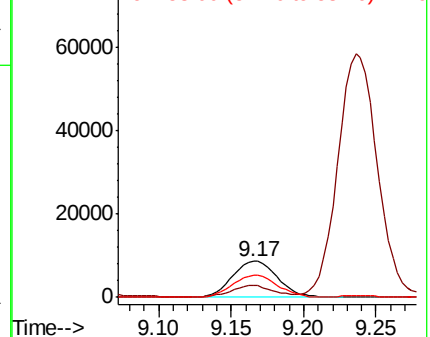
88 100

43 28.7 23.1 34.7

58 61.5 48.3 72.5



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: 18.807 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061540.D

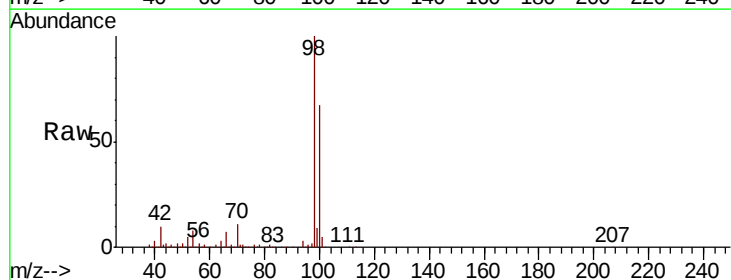
Acq: 28 May 2020 18:32

Tgt Ion: 98 Resp: 280428

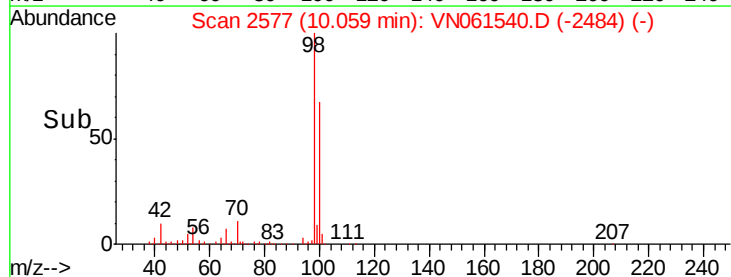
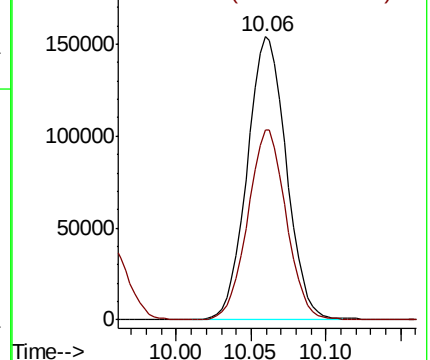
Ion Ratio Lower Upper

98 100

100 65.6 52.8 79.2



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

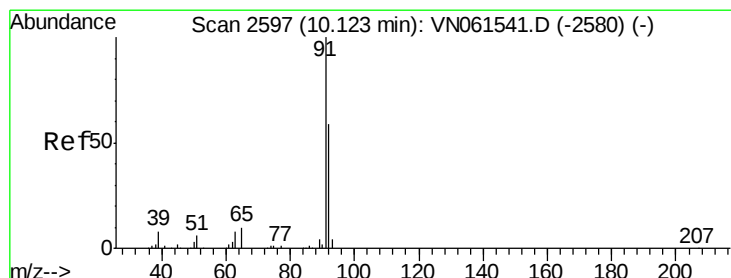
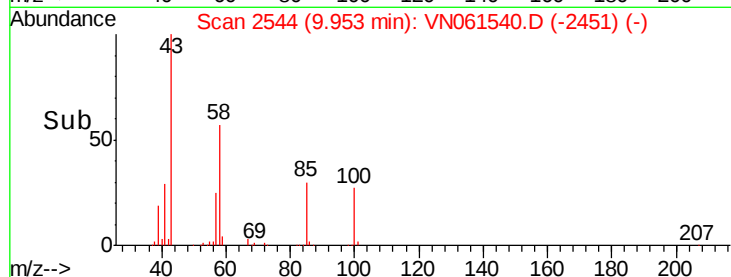
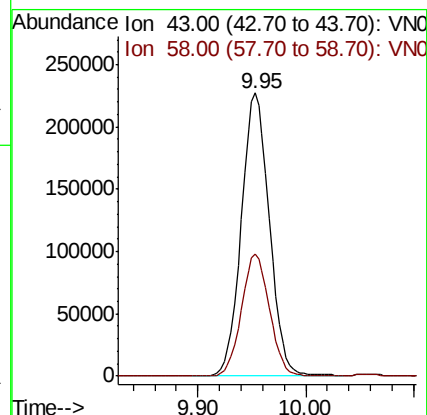
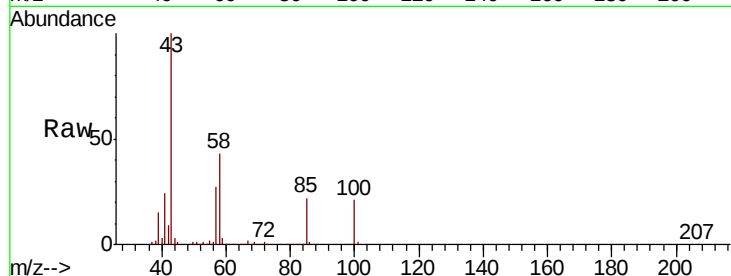




#51
4-Methyl-2-Pentanone
Concen: 85.176 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

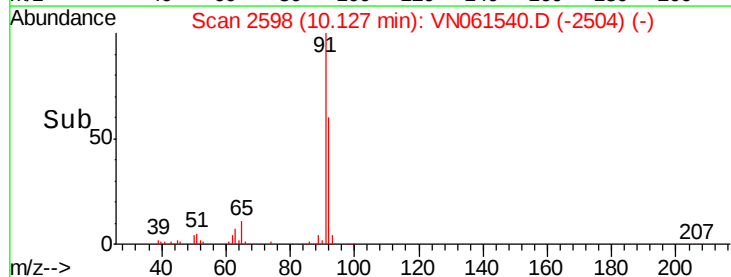
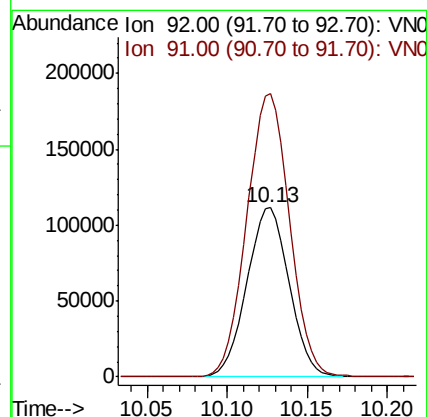
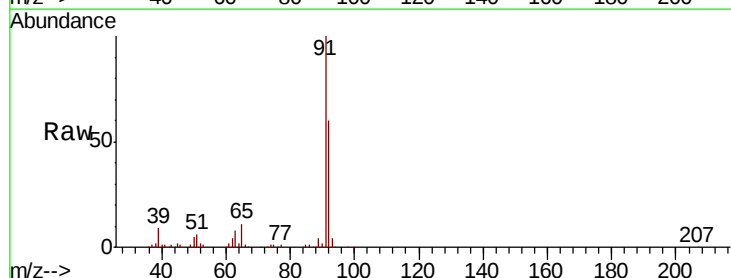
Instrument :
MSVOA_N
ClientSampled :

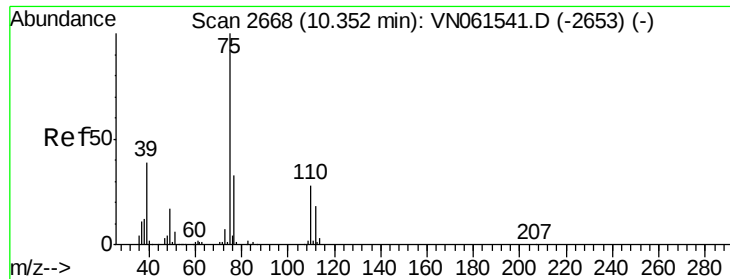
Tot Ion: 43 Resp: 410553
Ion Ratio Lower Upper
43 100
58 43.3 35.0 52.6



#52
Toluene
Concen: 18.401 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

Tgt Ion: 92 Resp: 201846
Ion Ratio Lower Upper
92 100
91 169.6 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 17.310 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

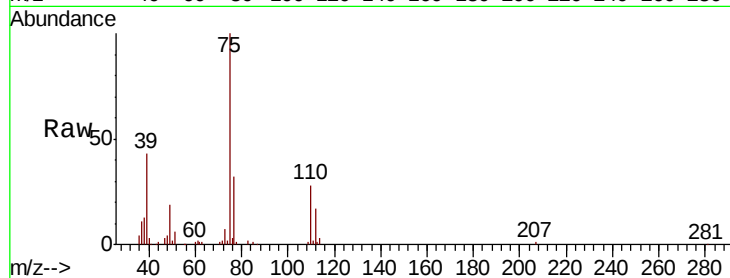
ClientSampleId :

Tot Ion: 75 Resp: 118438

Ion Ratio Lower Upper

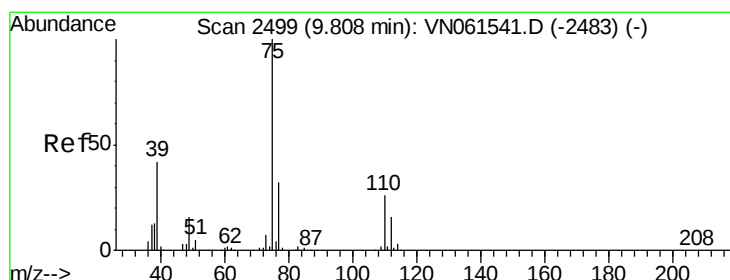
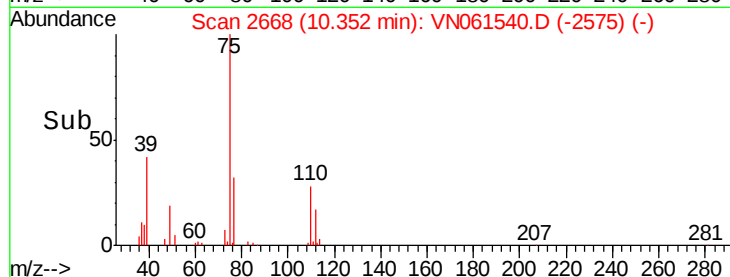
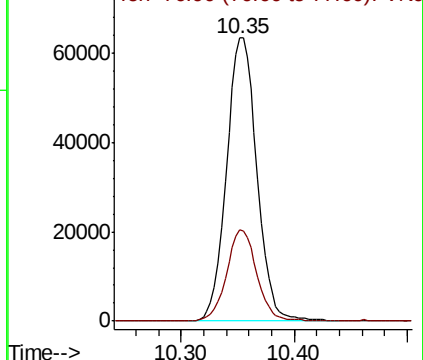
75 100

77 31.8 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 17.490 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

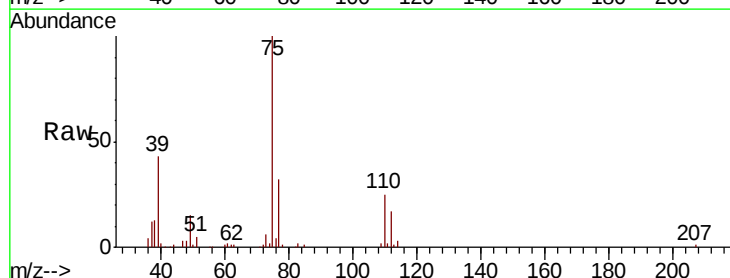
Tgt Ion: 75 Resp: 127911

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2

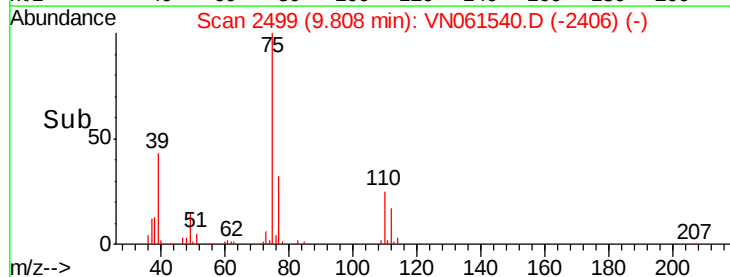
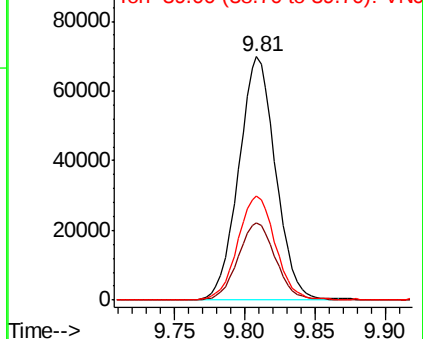
39 42.5 33.8 50.6

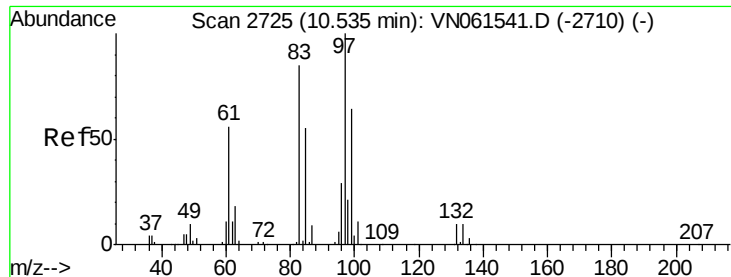


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.033 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 79218

Ion	Ratio	Lower	Upper
97	100		
83	83.8	68.1	102.1
85	54.9	44.1	66.1
99	62.2	51.1	76.7

Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

10.54

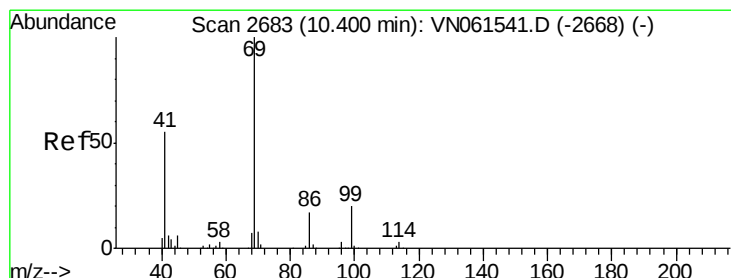
40000

20000

0

Time-->

10.45 10.50 10.55 10.60



#56

Ethyl methacrylate

Concen: 17.087 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Tgt Ion: 69 Resp: 109828

Ion	Ratio	Lower	Upper
69	100		
41	56.4	43.5	65.3
39	35.0	27.0	40.6

Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

10.40

80000

60000

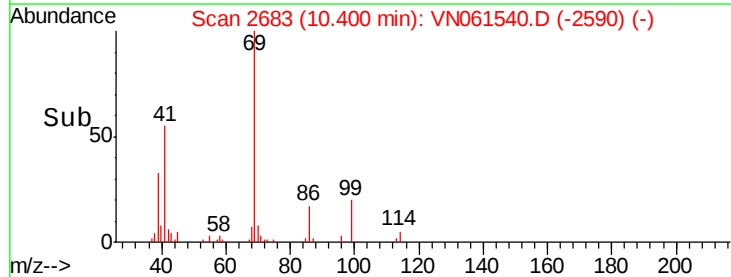
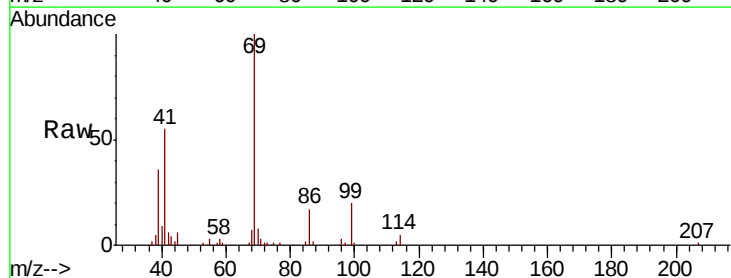
40000

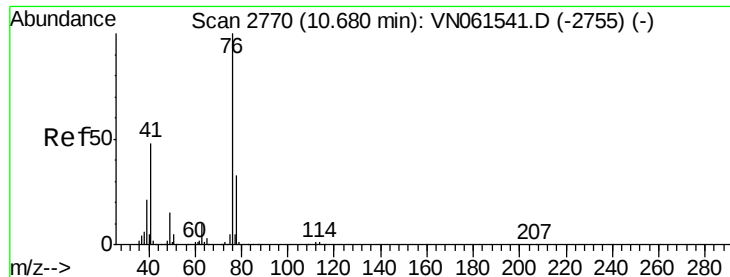
20000

0

Time-->

10.35 10.40 10.45





#57

1,3-Dichloropropane

Concen: 18.200 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

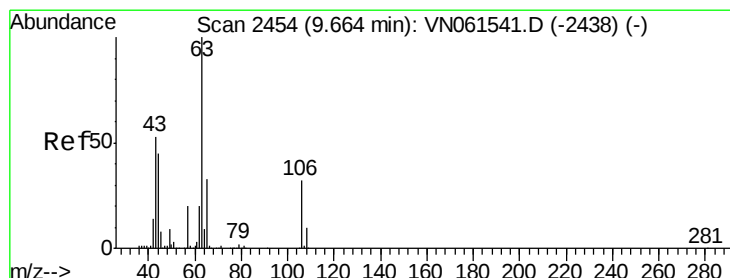
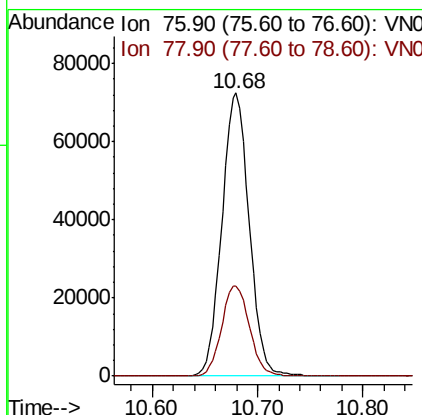
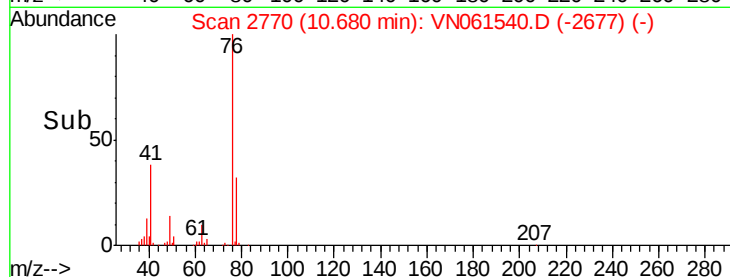
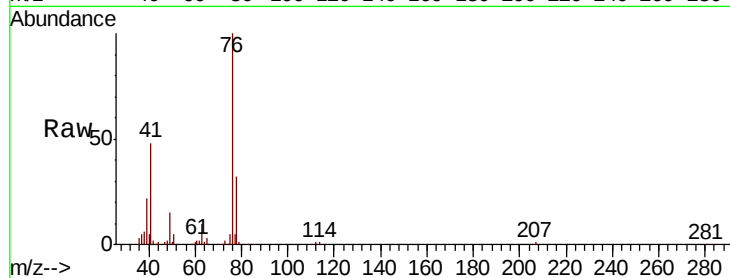
ClientSampleId :

Tot Ion: 76 Resp: 129629

Ion Ratio Lower Upper

76 100

78 32.5 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 87.920 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN061540.D

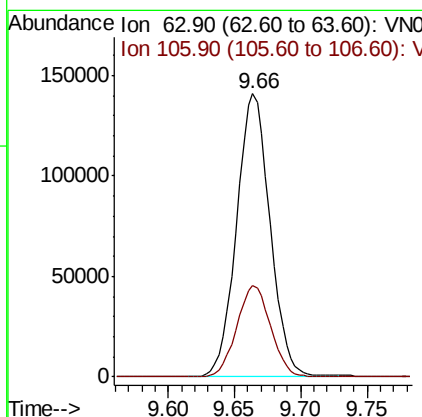
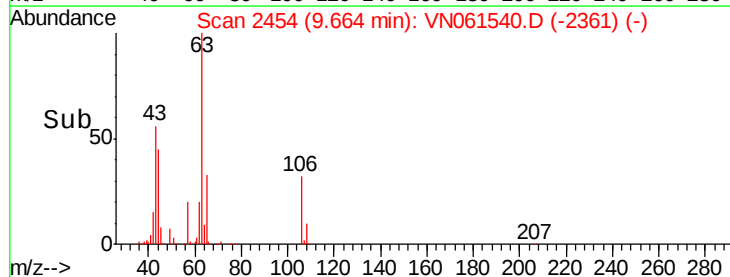
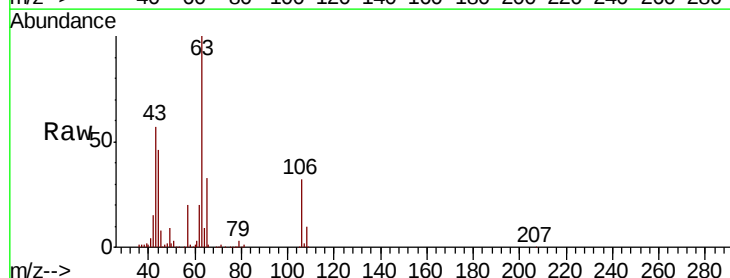
Acq: 28 May 2020 18:32

Tgt Ion: 63 Resp: 247879

Ion Ratio Lower Upper

63 100

106 32.6 25.9 38.9

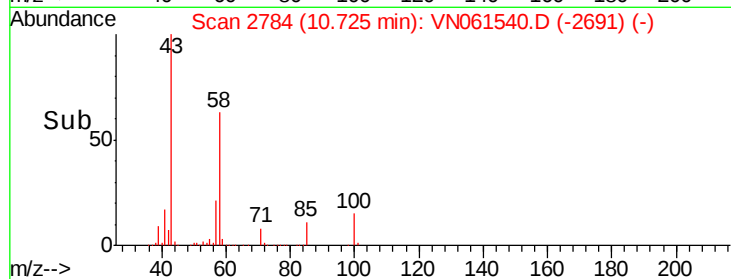
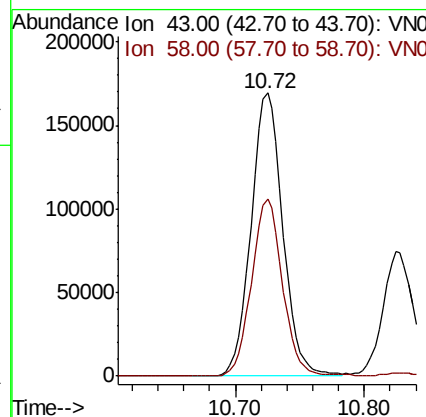
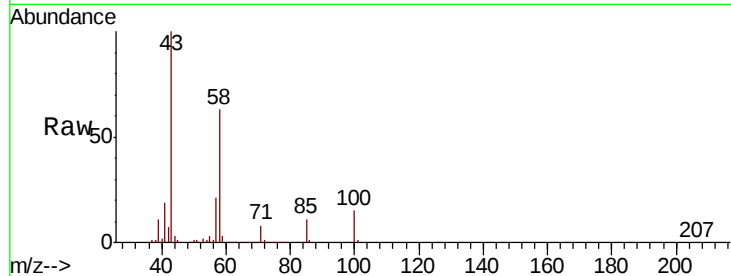




#59
2-Hexanone
Concen: 82.999 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

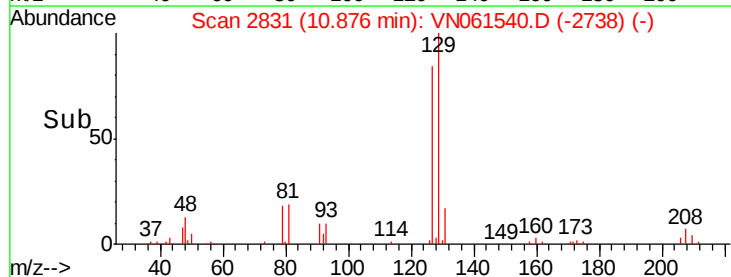
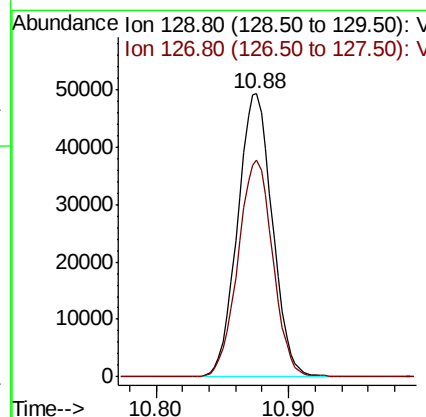
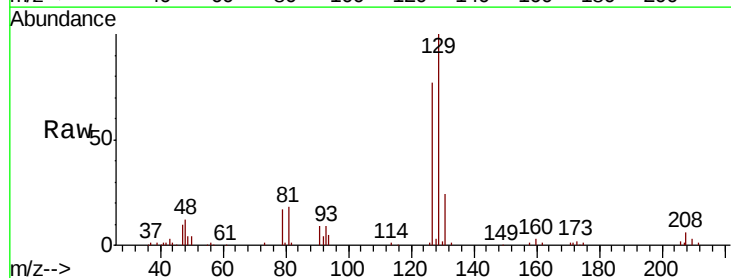
Instrument :
MSVOA_N
ClientSampleId :

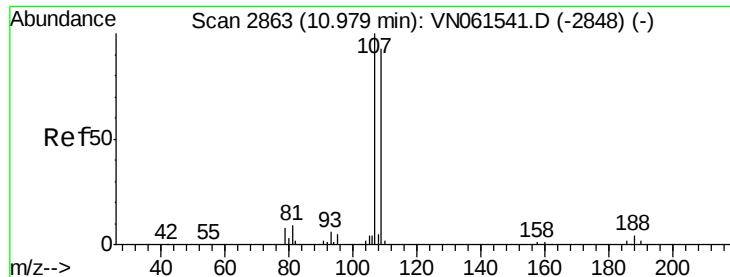
Tot Ion: 43 Resp: 289273
Ion Ratio Lower Upper
43 100
58 61.6 30.7 92.1



#60
Dibromochloromethane
Concen: 19.323 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

Tgt Ion: 129 Resp: 89674
Ion Ratio Lower Upper
129 100
127 76.6 38.8 116.3

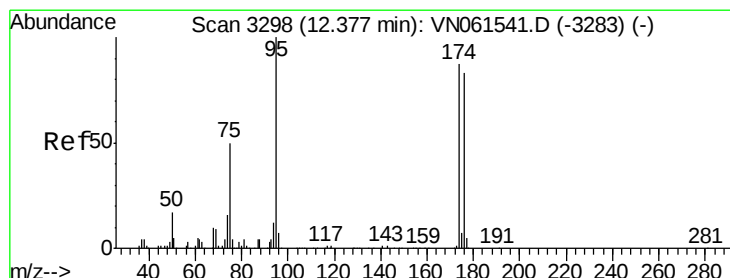
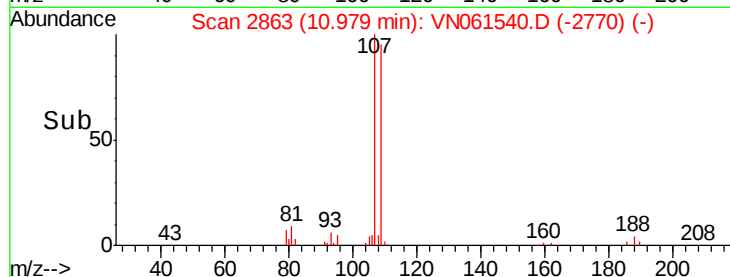
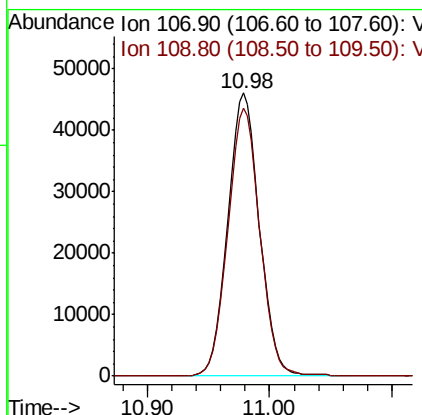
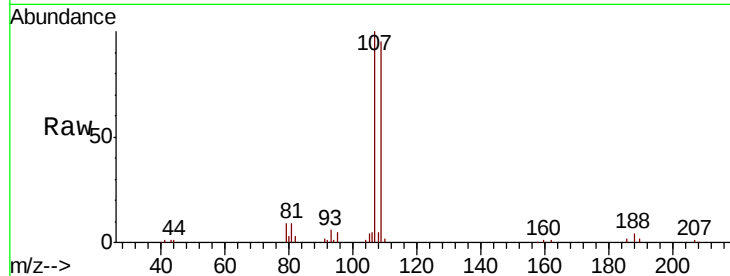




#61
 1,2-Dibromoethane
 Concen: 18.954 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061540.D
 Acq: 28 May 2020 18:32

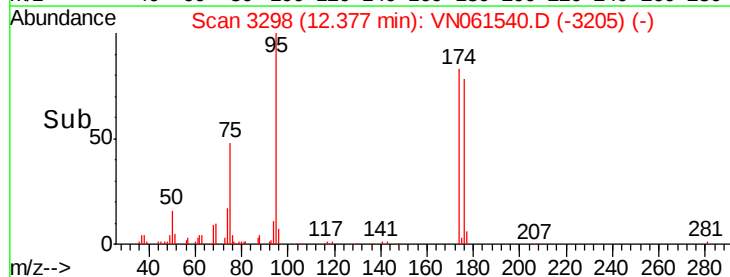
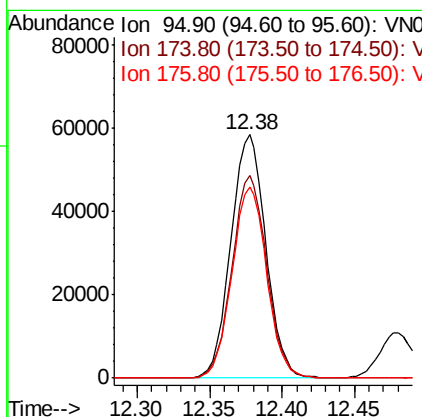
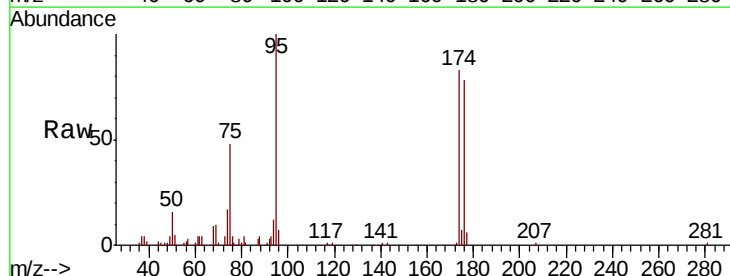
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:107 Resp: 83173
 Ion Ratio Lower Upper
 107 100
 109 95.4 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 17.753 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061540.D
 Acq: 28 May 2020 18:32

Tgt Ion: 95 Resp: 97814
 Ion Ratio Lower Upper
 95 100
 174 82.9 0.0 172.8
 176 77.9 0.0 164.8

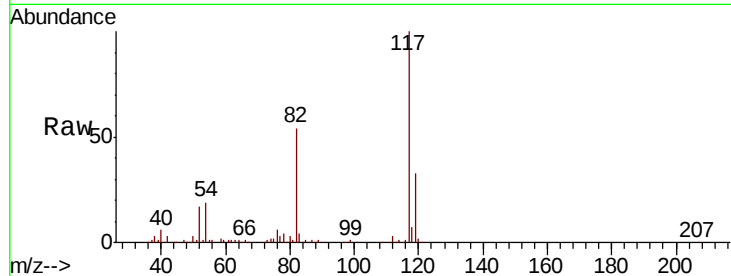




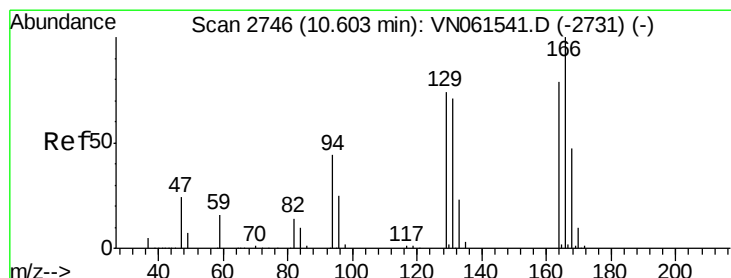
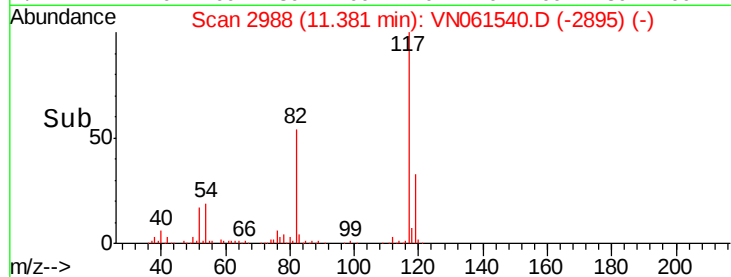
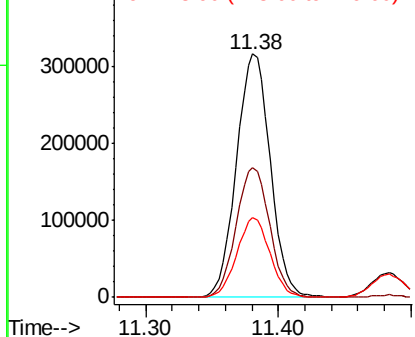
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 561813
Ion Ratio Lower Upper
117 100
82 53.5 41.5 62.3
119 32.8 25.6 38.4

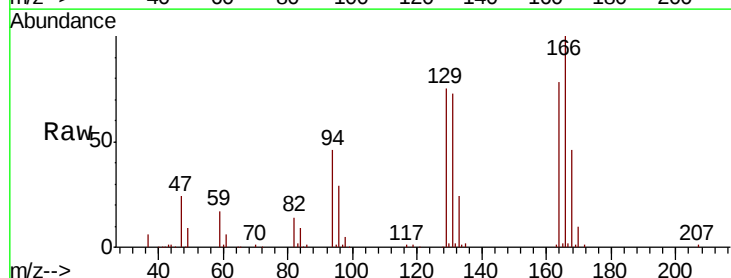


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

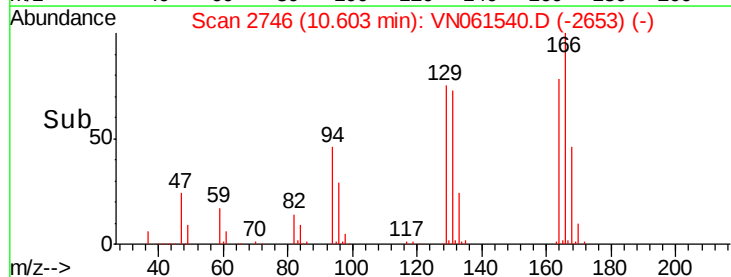
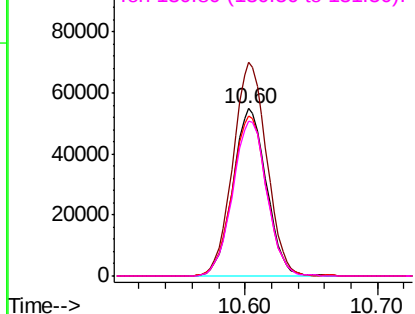


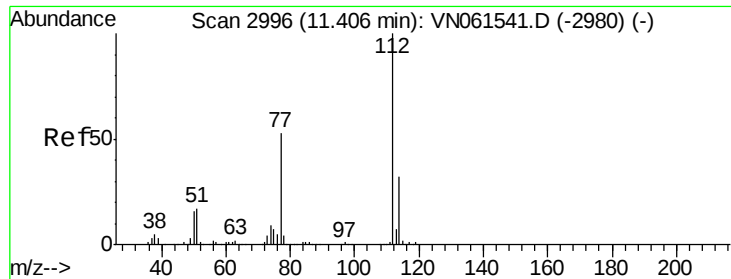
#64
Tetrachloroethene
Concen: 21.466 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

Tgt Ion:164 Resp: 96226
Ion Ratio Lower Upper
164 100
166 127.8 101.5 152.3
129 95.9 74.9 112.3
131 93.0 72.2 108.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

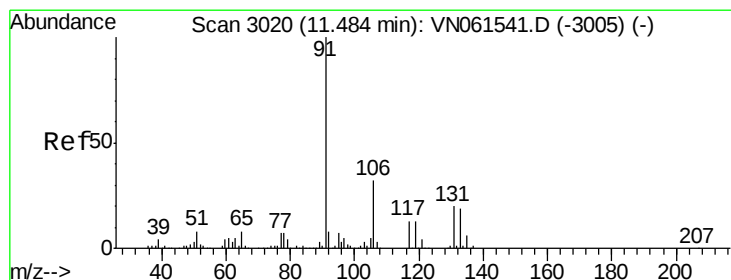
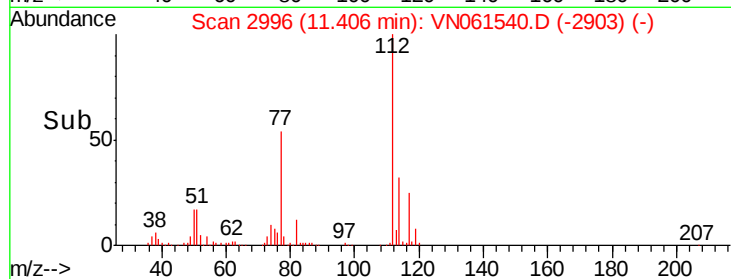
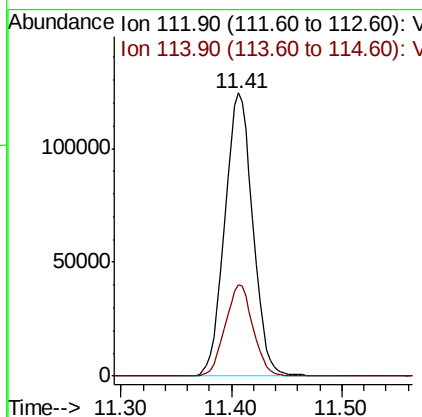
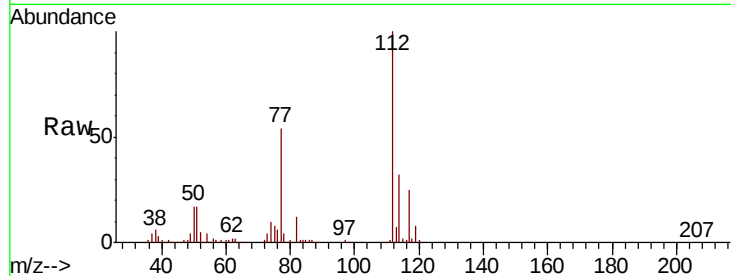




#65
Chlorobenzene
Concen: 19.140 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

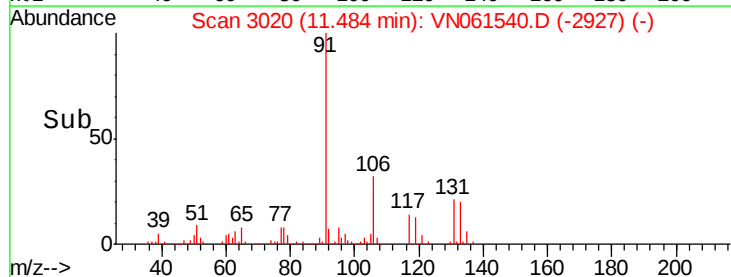
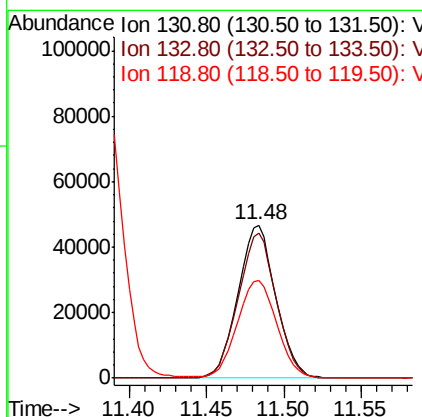
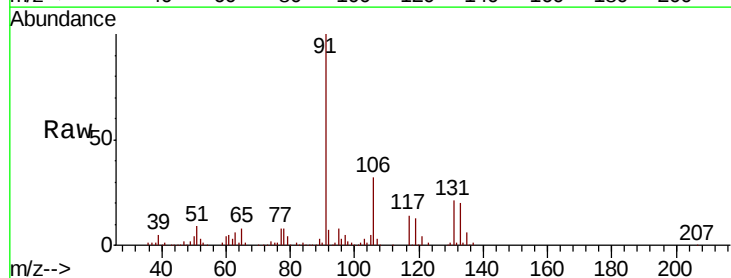
Instrument :
MSVOA_N
ClientSampled :

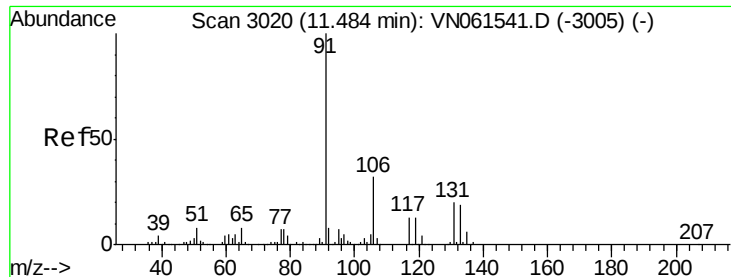
Tot Ion:112 Resp: 218651
Ion Ratio Lower Upper
112 100
114 32.4 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.237 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

Tgt Ion:131 Resp: 79281
Ion Ratio Lower Upper
131 100
133 95.6 47.4 142.2
119 67.0 32.6 97.8





#67

Ethyl Benzene

Concen: 18.542 ug/l

RT: 11.49 min Scan# 3021

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

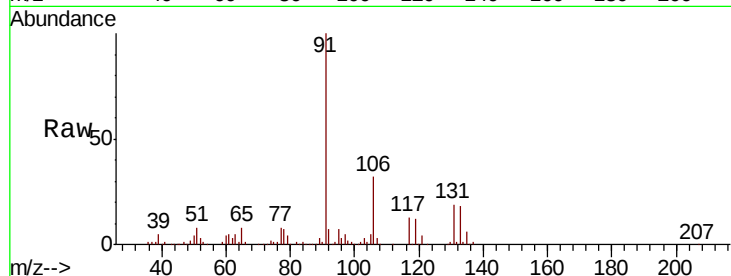
ClientSampled :

Tot Ion: 91 Resp: 381997

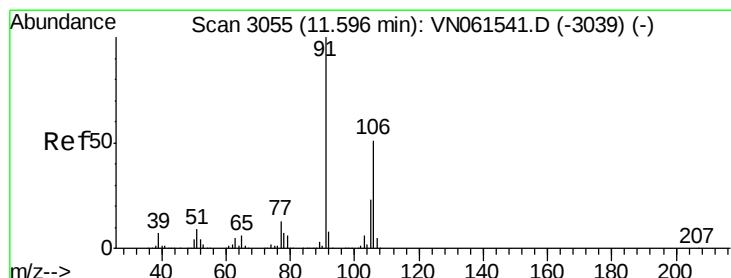
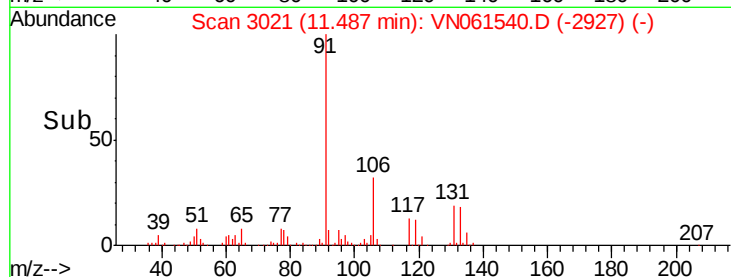
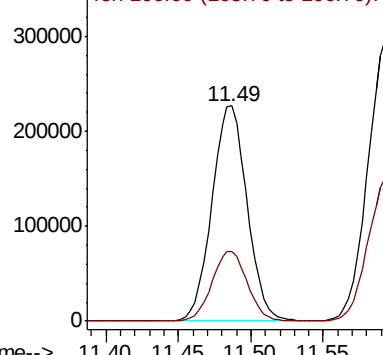
Ion Ratio Lower Upper

91 100

106 32.2 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3005) (-)



#68

m/p-Xylenes

Concen: 38.062 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN061540.D

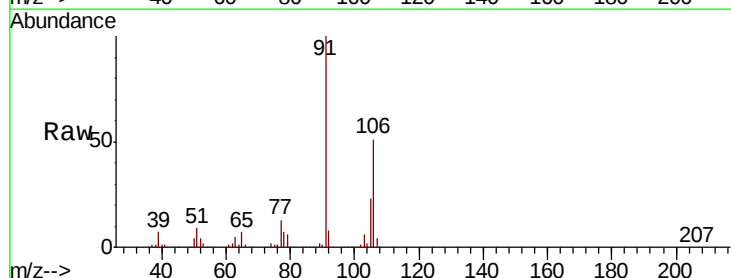
Acq: 28 May 2020 18:32

Tgt Ion: 106 Resp: 299691

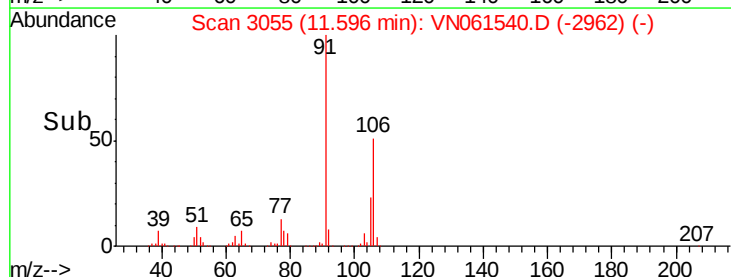
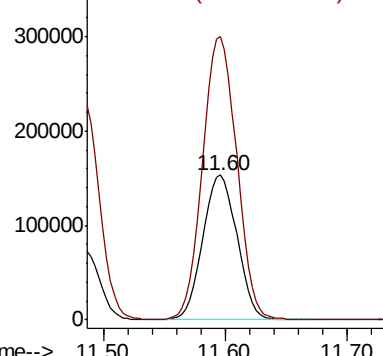
Ion Ratio Lower Upper

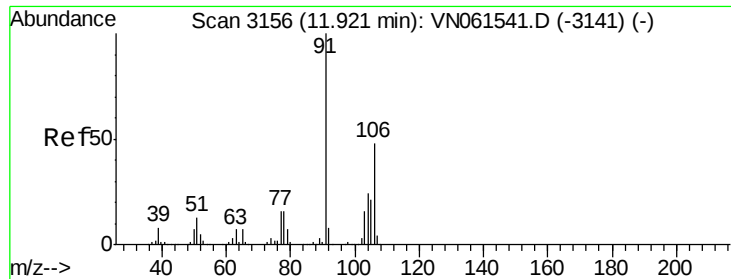
106 100

91 194.9 156.2 234.4



Abundance Ion 106.00 (105.70 to 106.70): VN061541.D (-3039) (-)

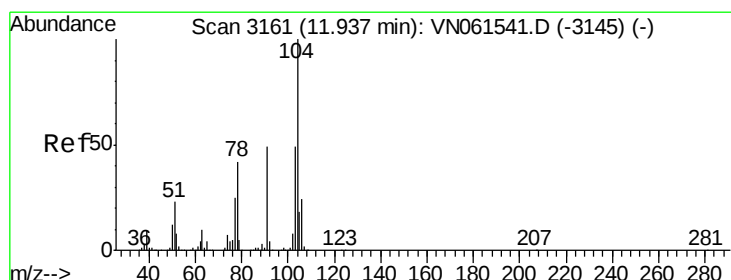
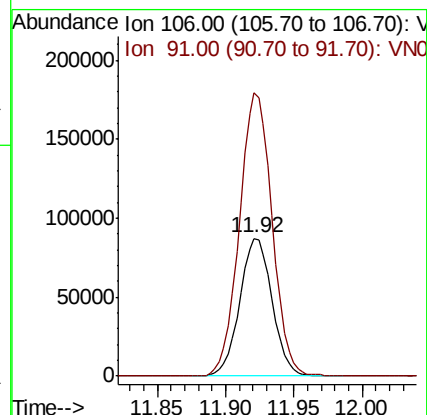
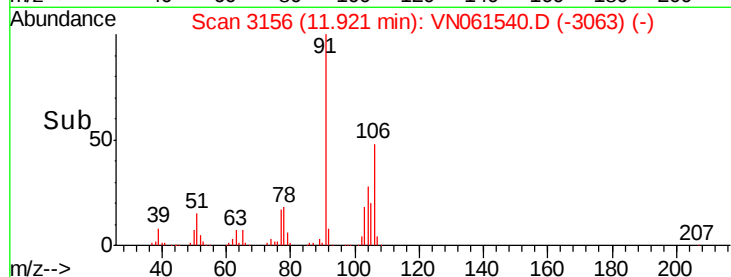
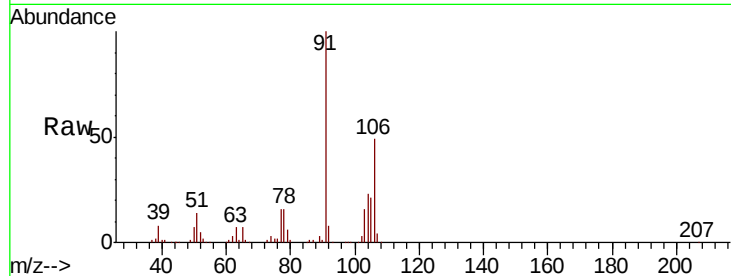




#69
o-Xylene
Concen: 18.856 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

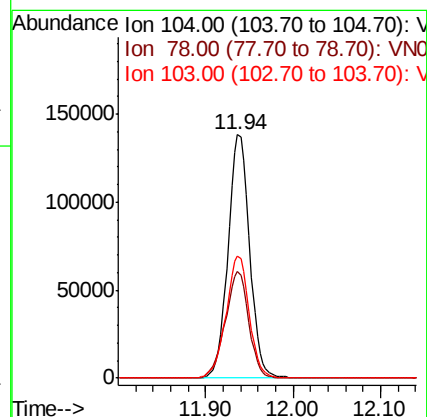
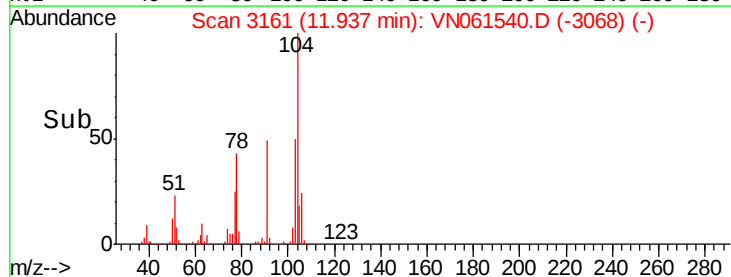
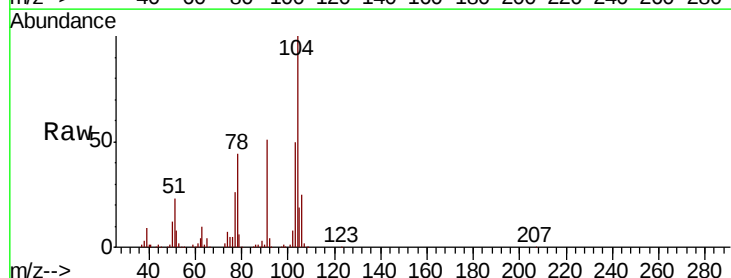
Instrument :
MSVOA_N
ClientSampled :

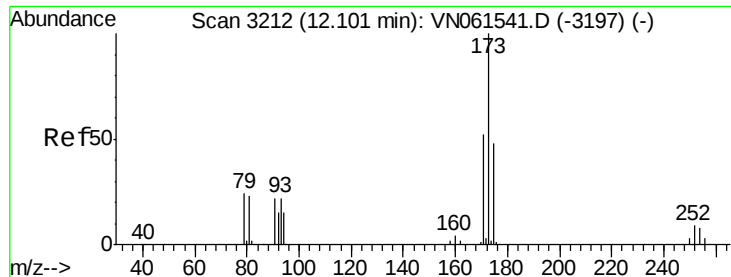
Tot Ion:106 Resp: 143698
Ion Ratio Lower Upper
106 100
91 207.5 103.3 309.8



#70
Styrene
Concen: 18.869 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

Tgt Ion:104 Resp: 237666
Ion Ratio Lower Upper
104 100
78 47.5 37.4 56.0
103 53.6 42.3 63.5





#71

Bromoform

Concen: 19.994 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

ClientSampled :

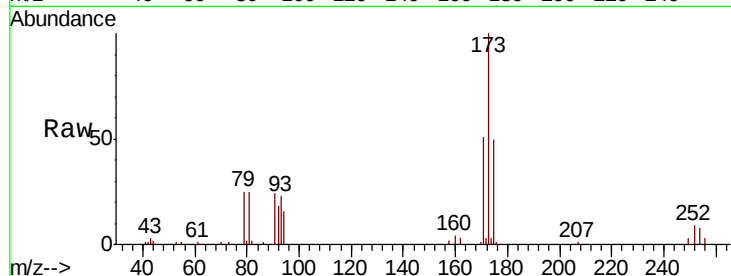
Tot Ion:173 Resp: 58931

Ion Ratio Lower Upper

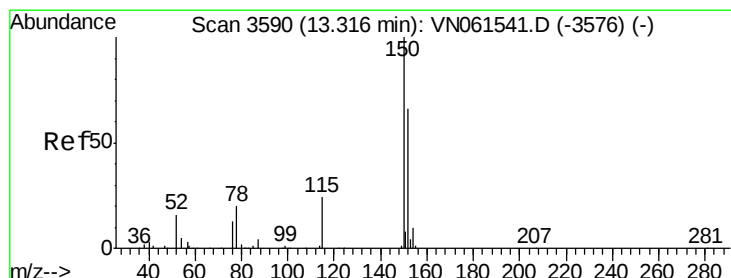
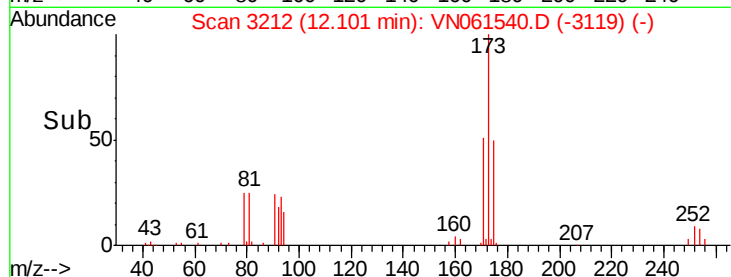
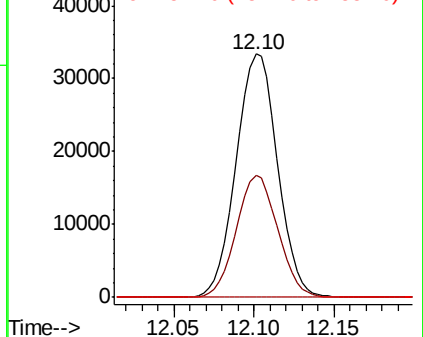
173 100

175 50.0 24.4 73.2

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: VN061540.D

Acq: 28 May 2020 18:32

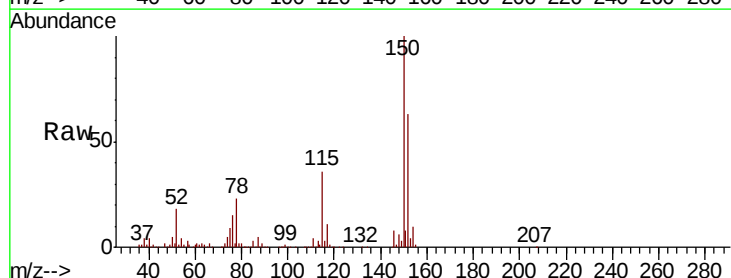
Tgt Ion:152 Resp: 270054

Ion Ratio Lower Upper

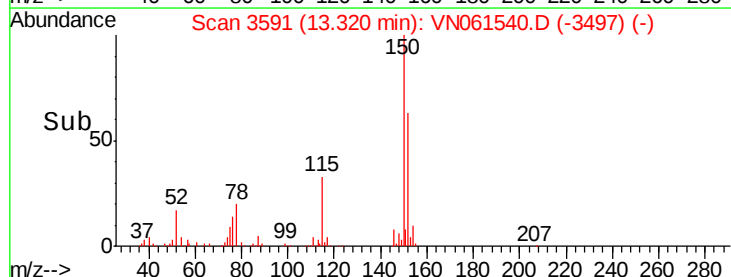
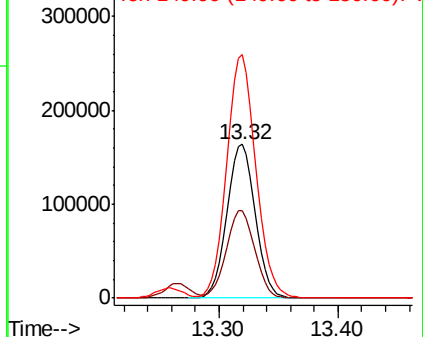
152 100

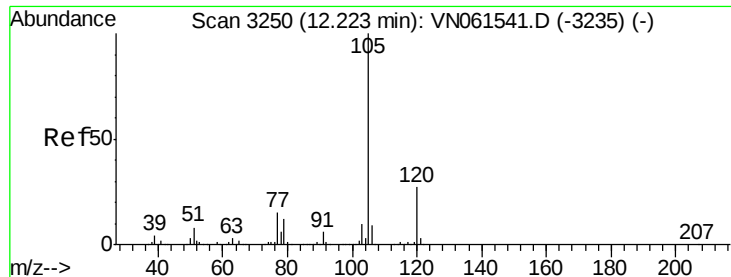
115 57.1 28.0 84.0

150 163.2 0.0 344.0



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: 17.763 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

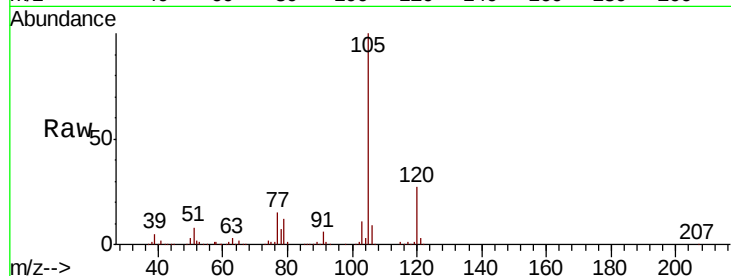
ClientSampleId :

Tot Ion:105 Resp: 376957

Ion Ratio Lower Upper

105 100

120 27.4 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

250000

200000

150000

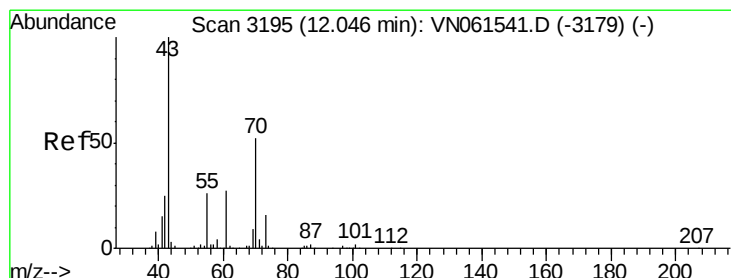
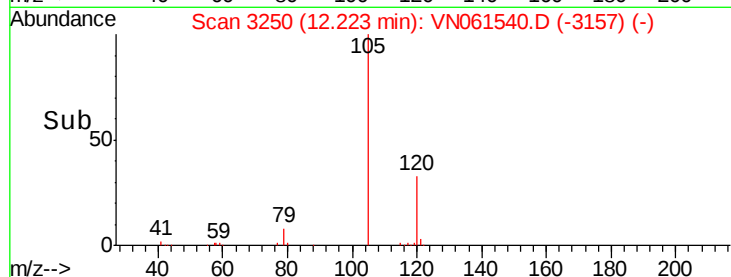
100000

50000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 15.592 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Tgt Ion: 43 Resp: 119159

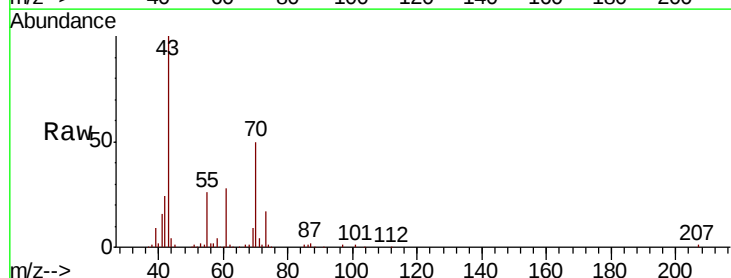
Ion Ratio Lower Upper

43 100

70 49.1 40.5 60.7

55 26.2 20.6 31.0

61 27.2 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

60000

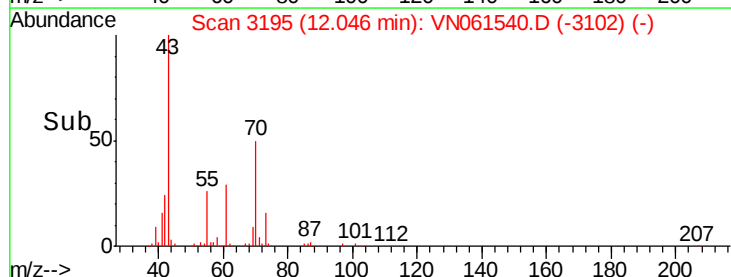
40000

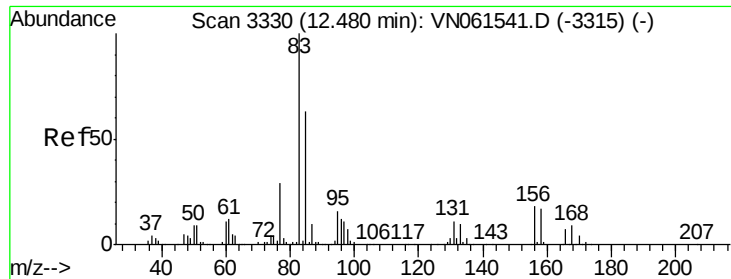
20000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 17.717 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

ClientSampled :

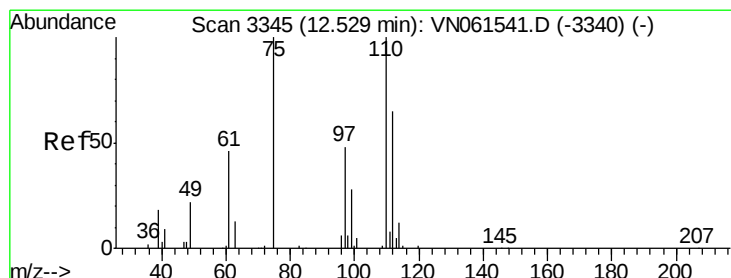
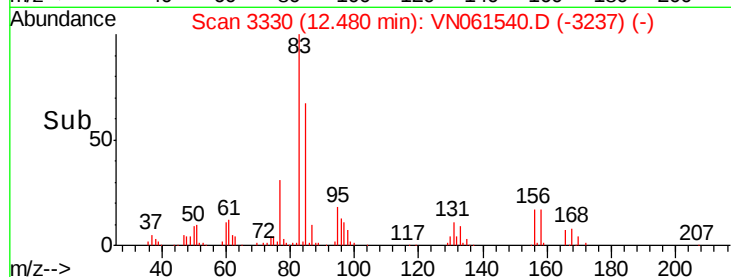
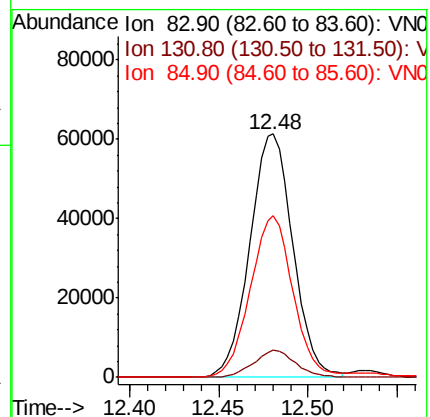
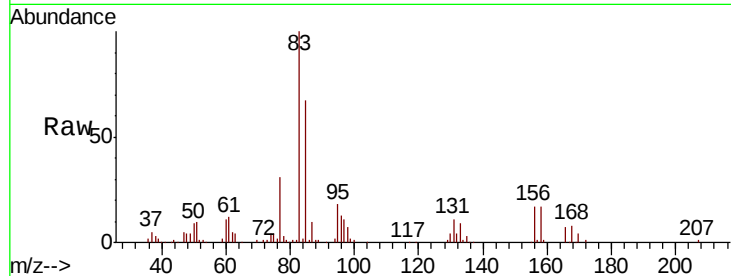
Tot Ion: 83 Resp: 103526

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.5
85	65.6	32.1	96.3

83 100

131 11.0 5.5 16.5

85 65.6 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 23.840 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061540.D

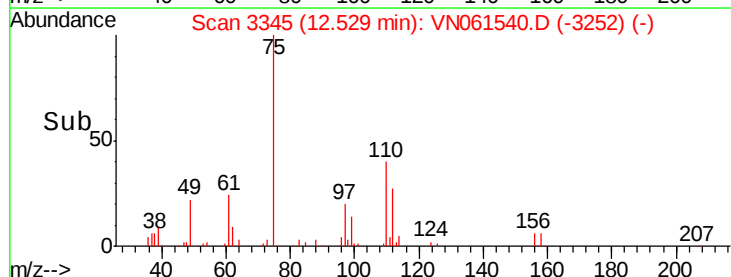
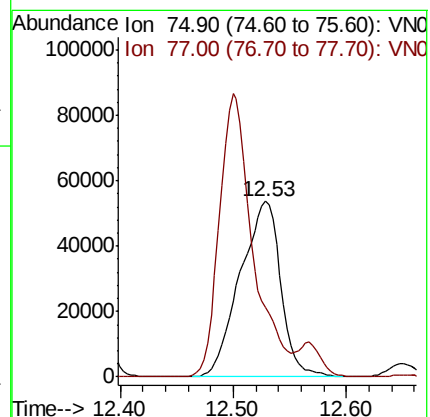
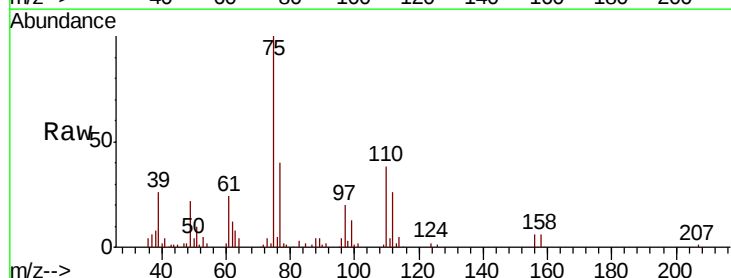
Acq: 28 May 2020 18:32

Tgt Ion: 75 Resp: 134028

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.272 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

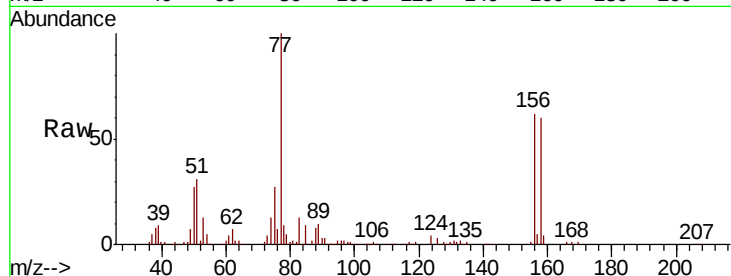
Tot Ion:156 Resp: 91170

Ion Ratio Lower Upper

156 100

77 195.8 90.9 272.7

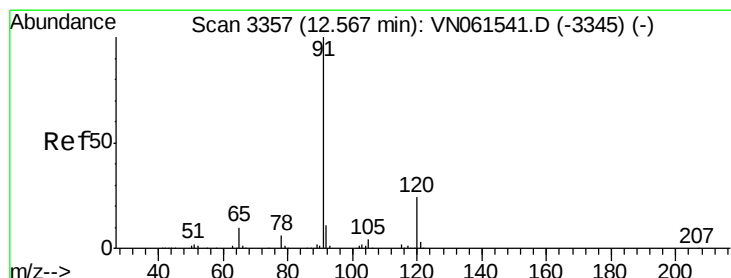
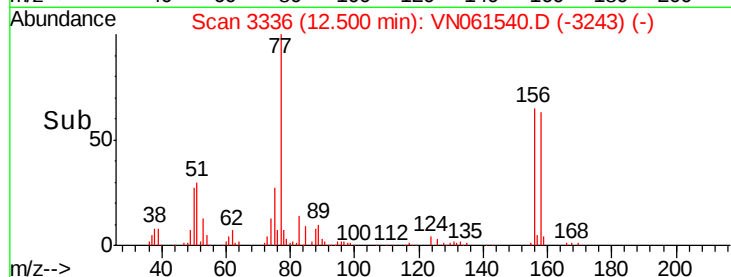
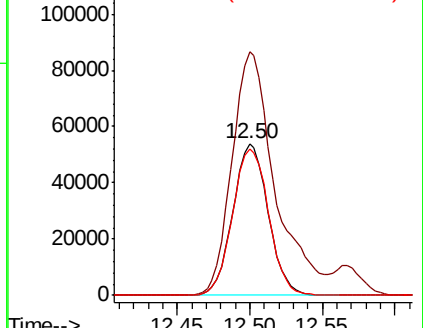
158 98.9 48.4 145.3



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: 17.367 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061540.D

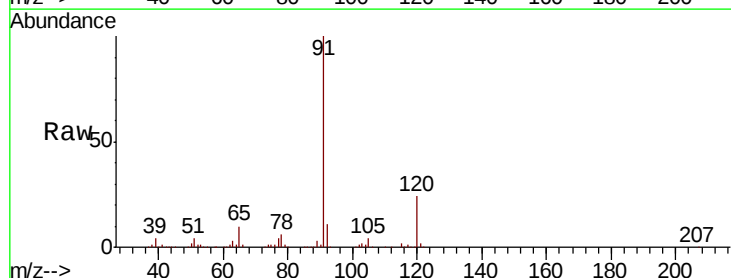
Acq: 28 May 2020 18:32

Tgt Ion: 91 Resp: 417459

Ion Ratio Lower Upper

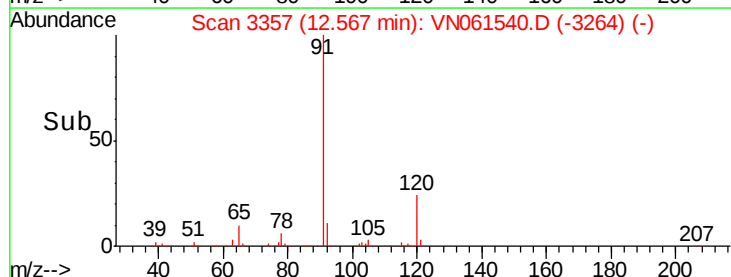
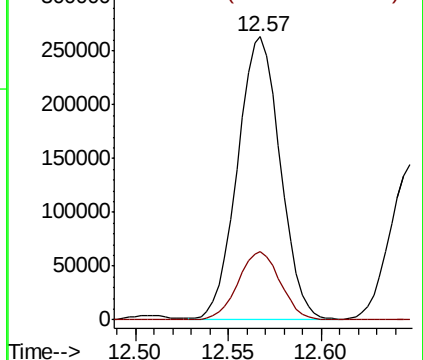
91 100

120 24.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.107 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

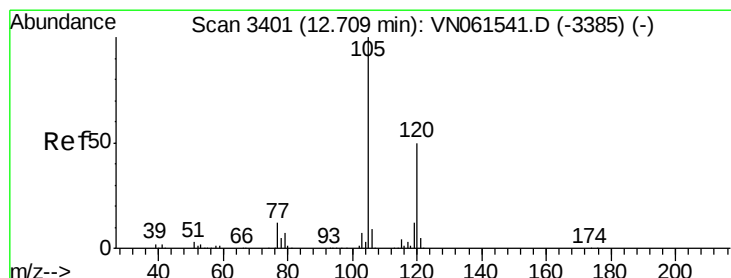
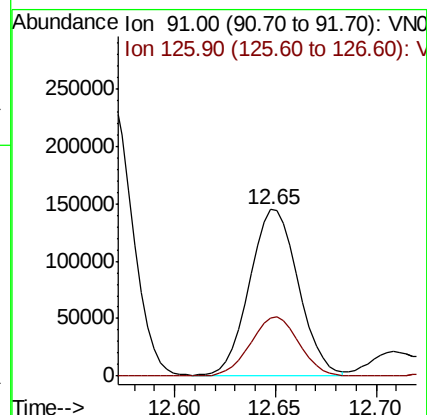
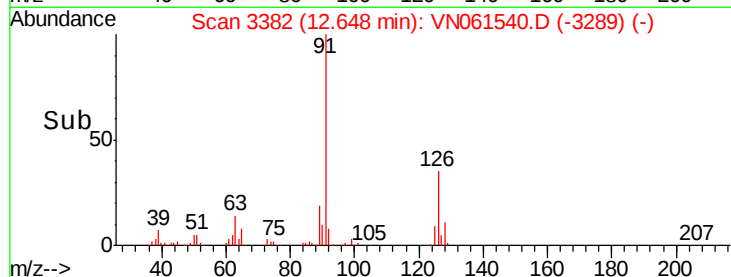
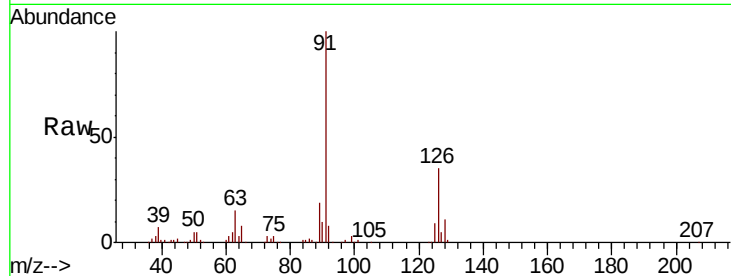
ClientSampleId :

Tot Ion: 91 Resp: 243946

Ion Ratio Lower Upper

91 100

126 35.7 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 18.127 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061540.D

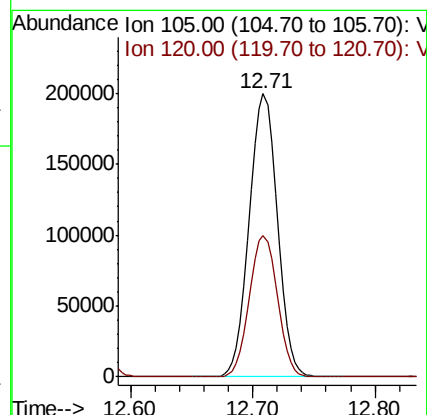
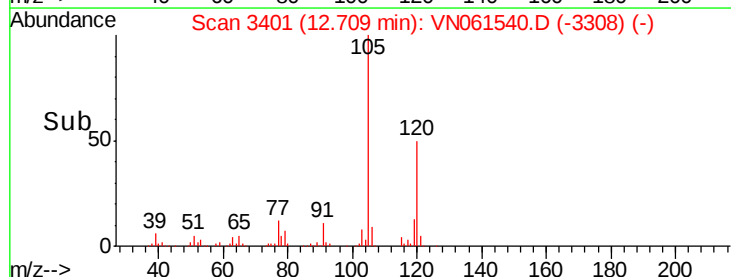
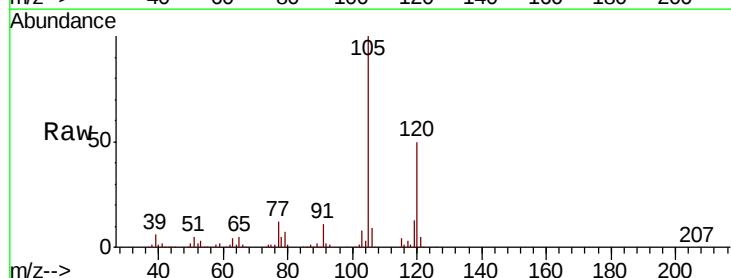
Acq: 28 May 2020 18:32

Tgt Ion: 105 Resp: 315238

Ion Ratio Lower Upper

105 100

120 50.1 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 16.543 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

ClientSampled :

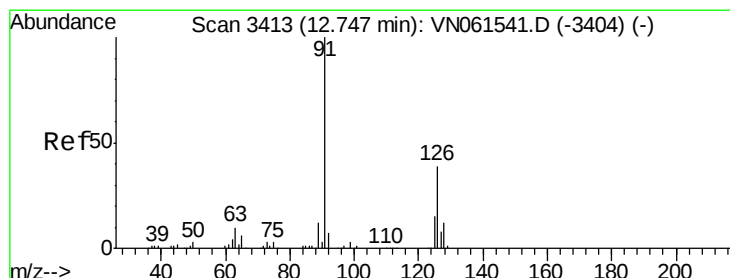
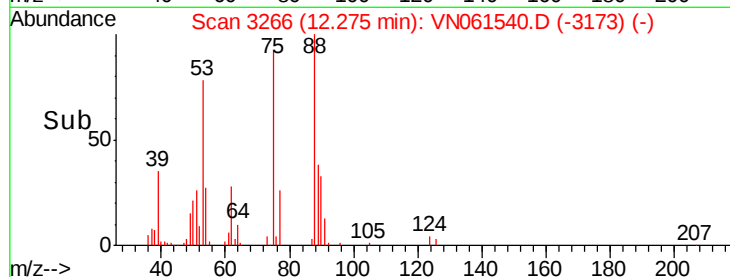
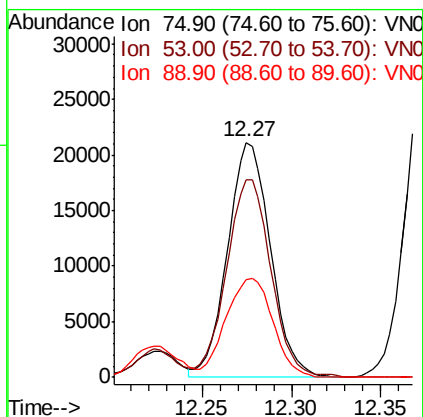
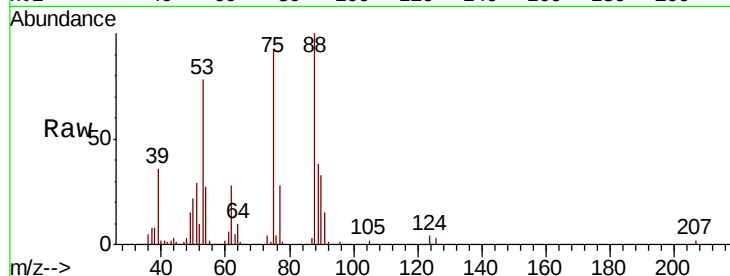
Tot Ion: 75 Resp: 35340

Ion Ratio Lower Upper

75 100

53 87.1 67.8 101.8

89 46.3 37.1 55.7



#82

4-Chlorotoluene

Concen: 17.312 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061540.D

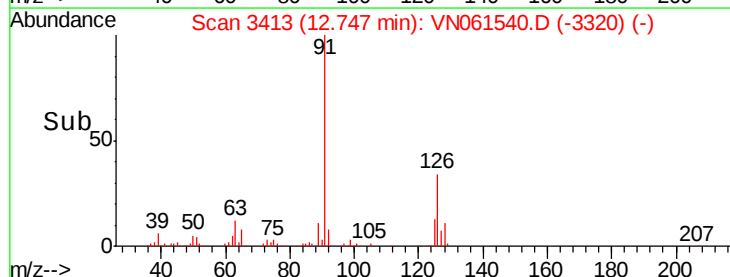
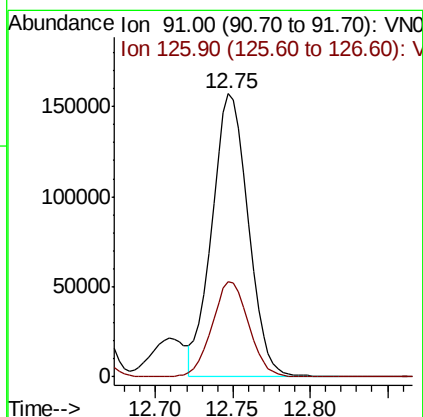
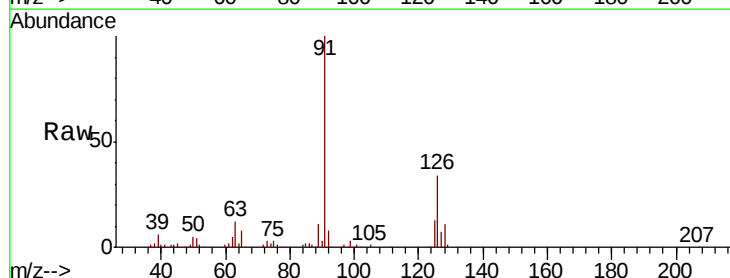
Acq: 28 May 2020 18:32

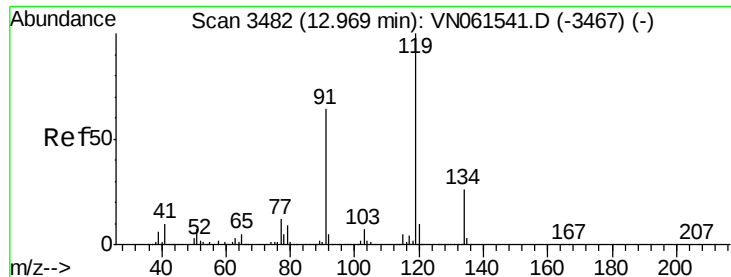
Tgt Ion: 91 Resp: 255551

Ion Ratio Lower Upper

91 100

126 34.1 17.5 52.6

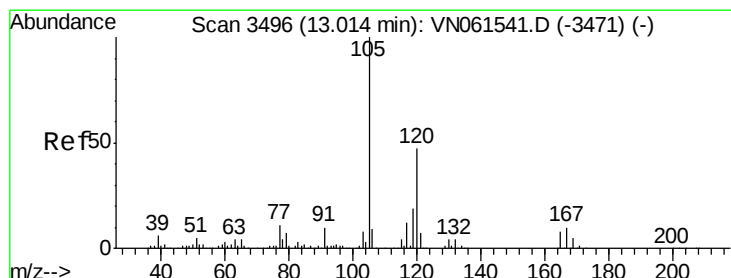
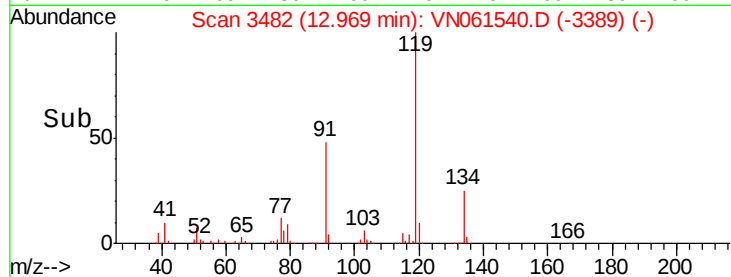
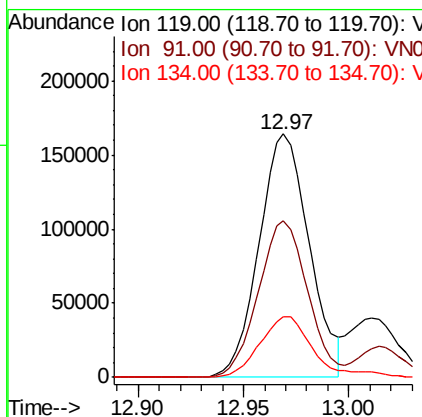
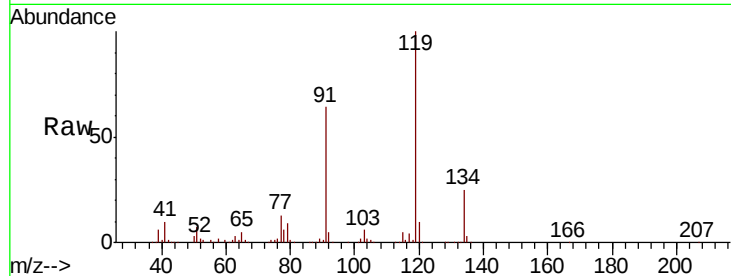




#83
 tert-Butylbenzene
 Concen: 18.224 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061540.D
 Acq: 28 May 2020 18:32

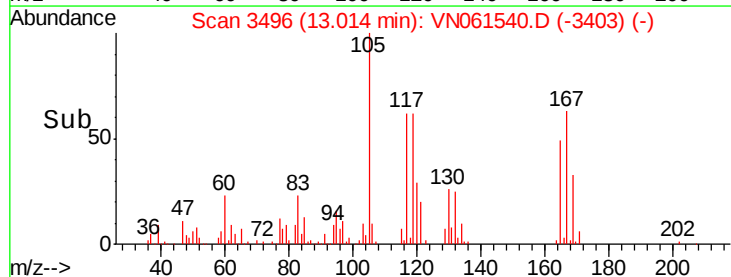
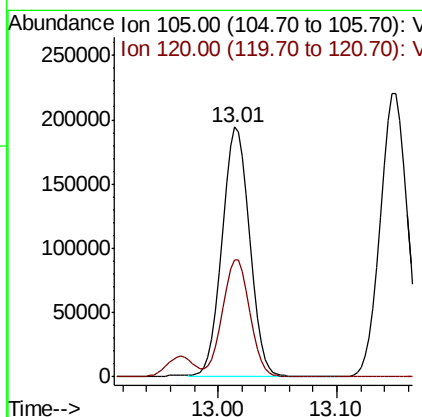
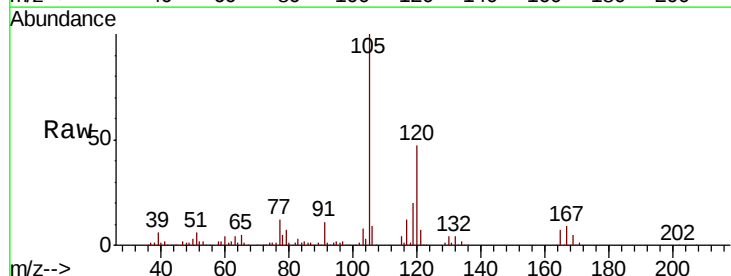
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 272261
 Ion Ratio Lower Upper
 119 100
 91 63.4 31.3 93.8
 134 26.6 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 17.992 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061540.D
 Acq: 28 May 2020 18:32

Tgt Ion:105 Resp: 313083
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.2 69.5





#85

sec-Butylbenzene

Concen: 17.659 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

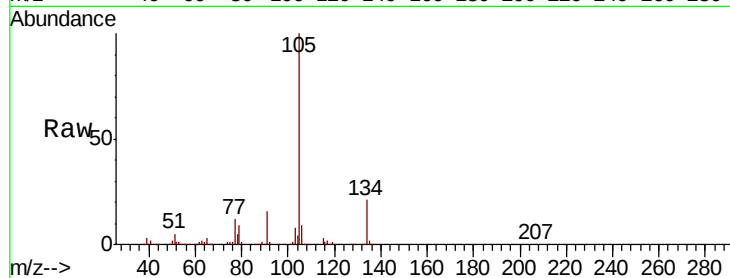
ClientSampleId :

Tot Ion:105 Resp: 354335

Ion Ratio Lower Upper

105 100

134 20.8 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

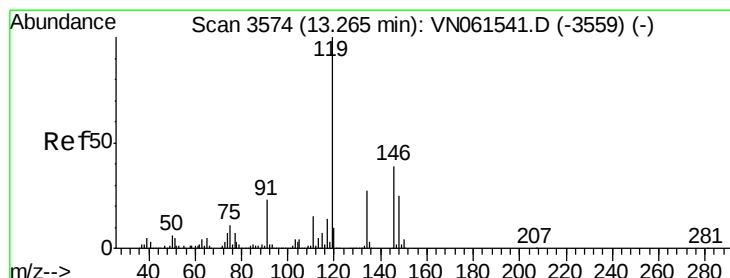
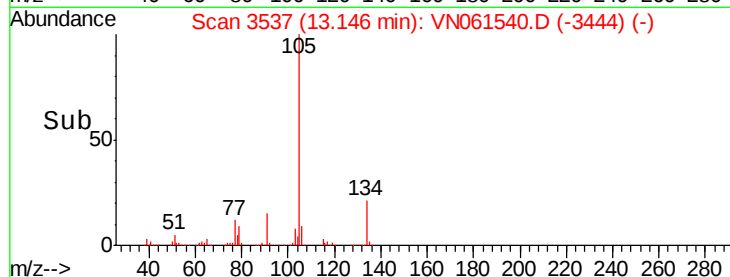
100000

50000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 18.219 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

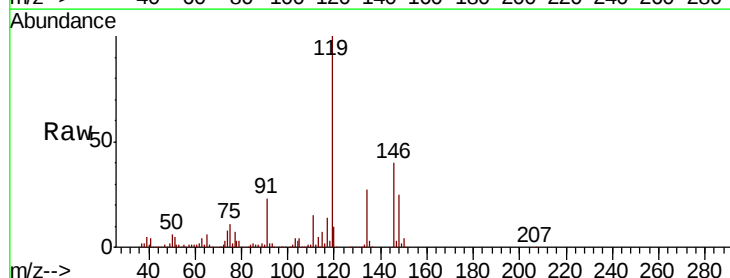
Tgt Ion:119 Resp: 326579

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 23.2 11.4 34.1



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

250000

200000

150000

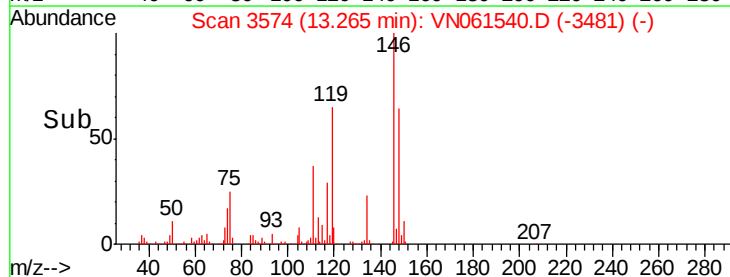
100000

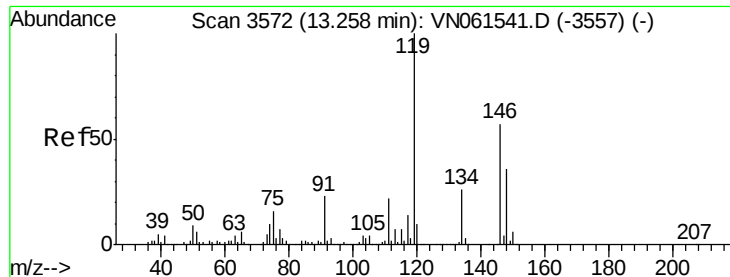
50000

0

13.20 13.30 13.40

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.268 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

ClientSampled :

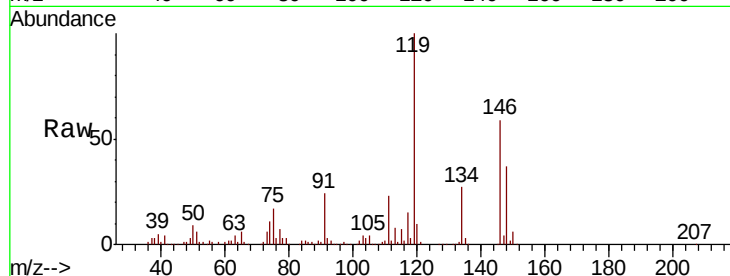
Tot Ion:146 Resp: 165473

Ion Ratio Lower Upper

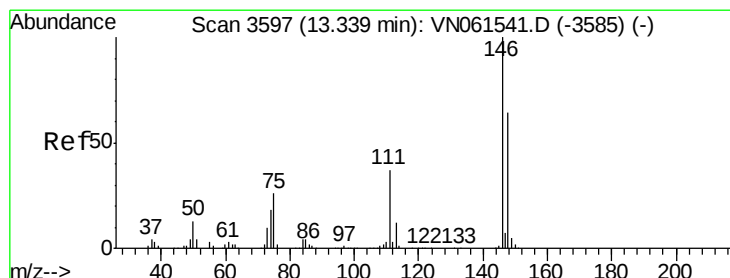
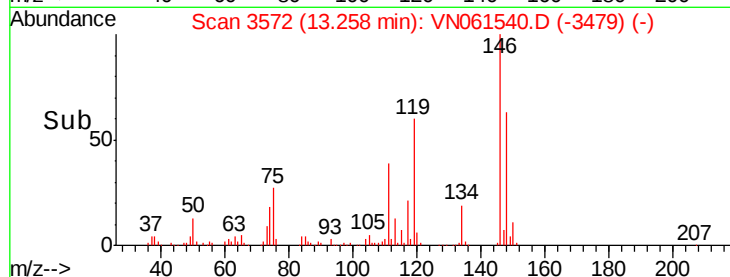
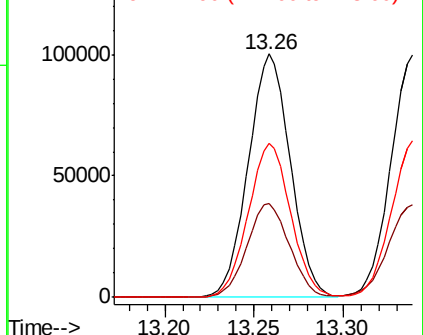
146 100

111 38.9 19.2 57.6

148 63.7 31.7 95.1



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



#88

1,4-Dichlorobenzene

Concen: 19.503 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

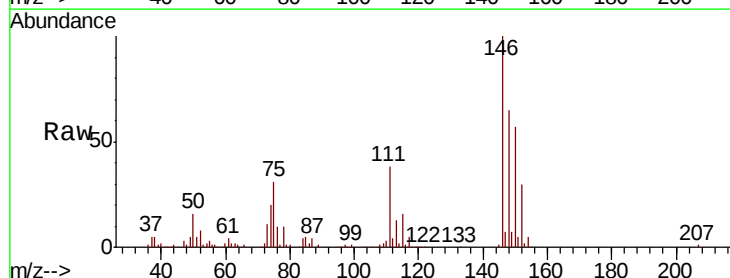
Tgt Ion:146 Resp: 167691

Ion Ratio Lower Upper

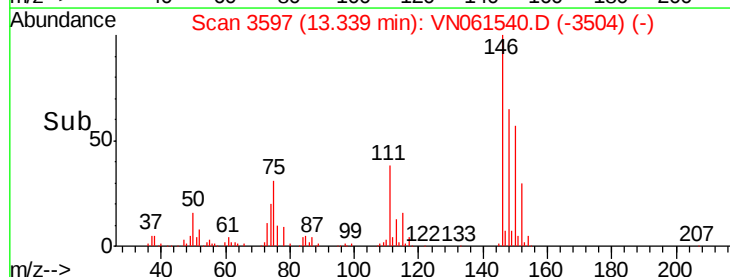
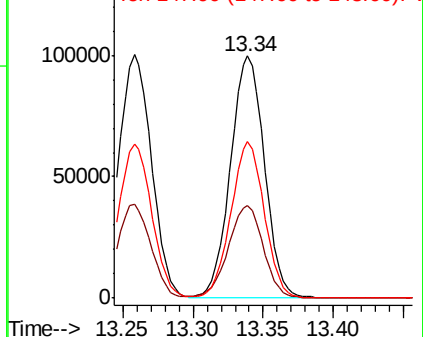
146 100

111 40.0 18.9 56.9

148 63.8 31.8 95.3



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





#89

n-Butylbenzene

Concen: 16.871 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061540.D

Acq: 28 May 2020 18:32

Instrument :

MSVOA_N

ClientSampled :

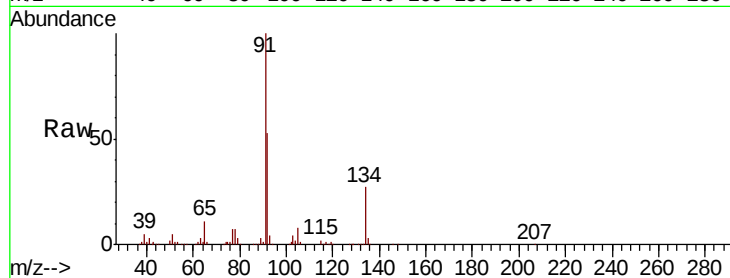
Tot Ion: 91 Resp: 271168

Ion Ratio Lower Upper

91 100

92 53.6 27.2 81.6

134 27.3 14.0 42.0

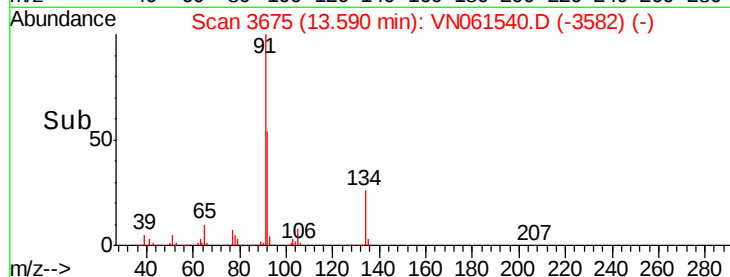


Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN061541.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN061541.D (-3661) (-)

Time-->

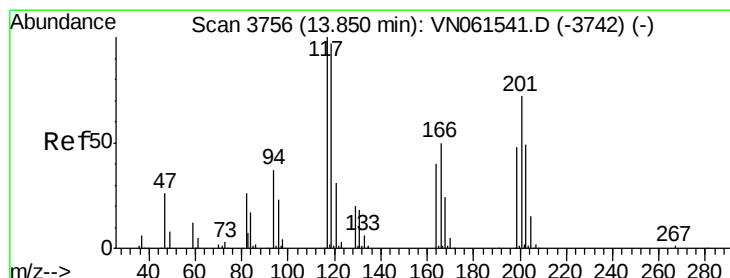


Abundance Ion 91.00 (90.70 to 91.70): VN061540.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN061540.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN061540.D (-3582) (-)

Time-->



#90

Hexachloroethane

Concen: 14.384 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN061540.D

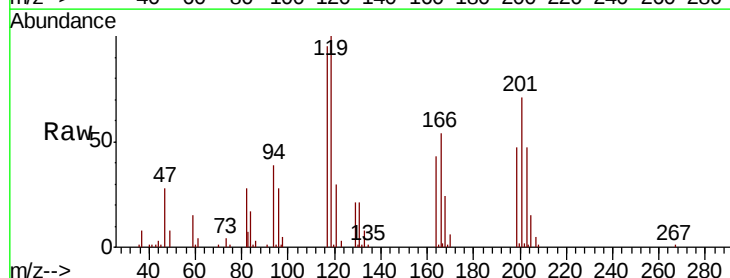
Acq: 28 May 2020 18:32

Tgt Ion: 117 Resp: 33619

Ion Ratio Lower Upper

117 100

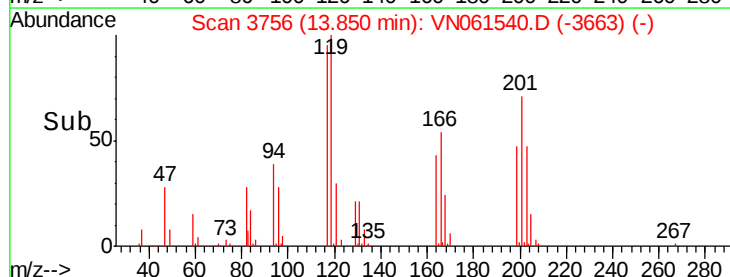
201 73.4 36.7 110.1



Abundance Ion 116.80 (116.50 to 117.50): VN061541.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061541.D (-3742) (-)

Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN061540.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN061540.D (-3663) (-)

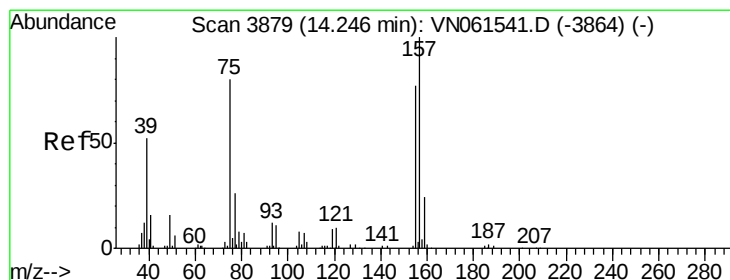
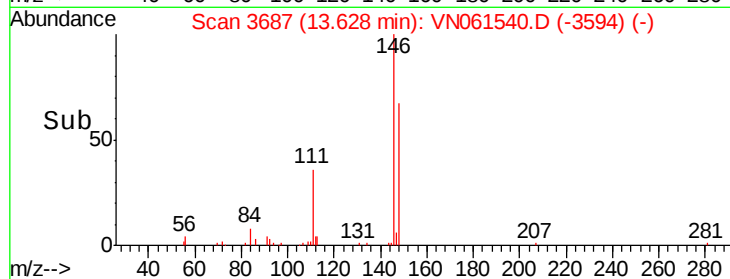
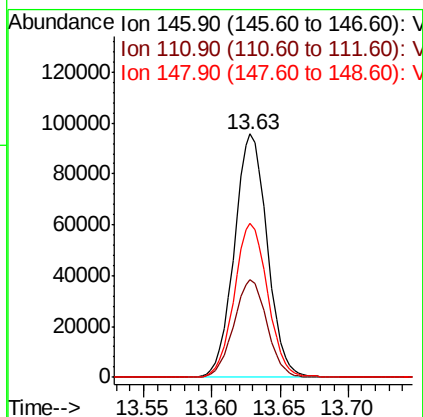
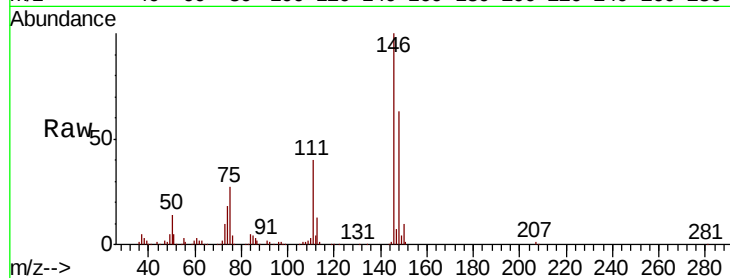
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 19.461 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061540.D
 Acq: 28 May 2020 18:32

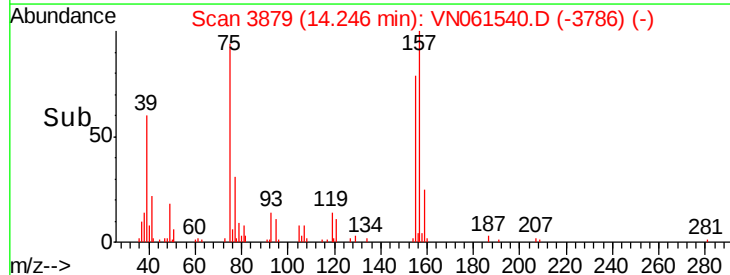
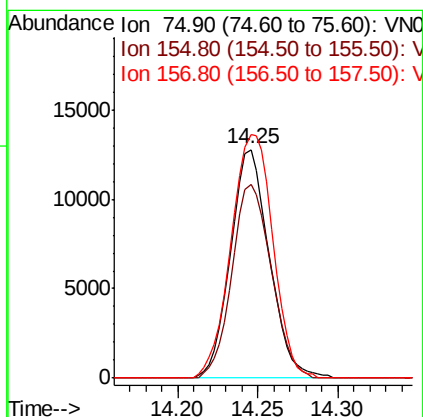
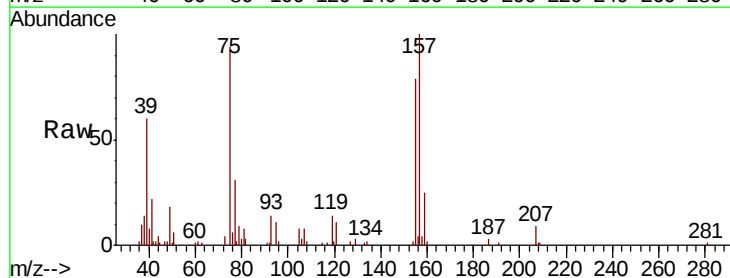
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.1	60.2
148	64.2	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.897 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061540.D
 Acq: 28 May 2020 18:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.9	47.1	141.4
157	114.9	60.3	180.8

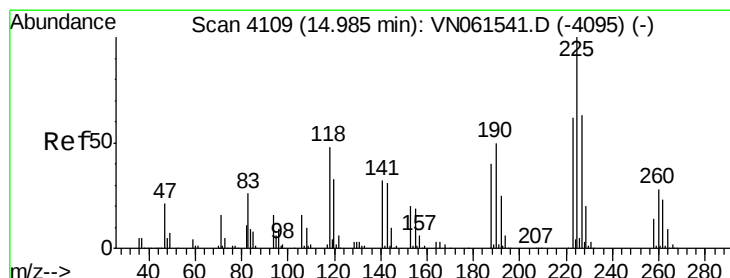
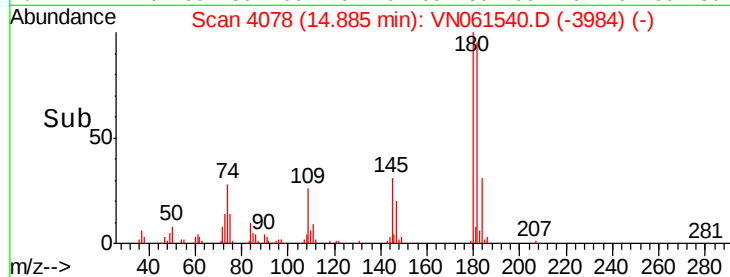
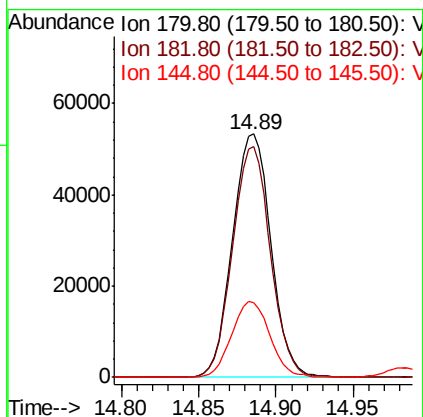
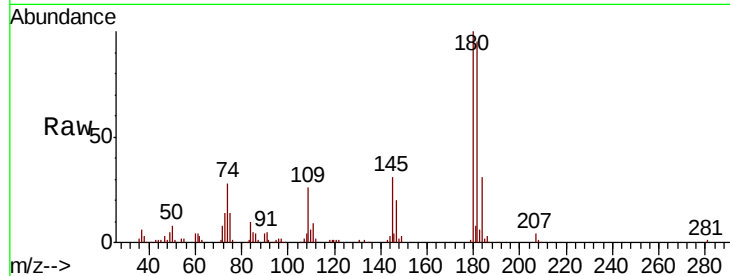




#93
 1,2,4-Trichlorobenzene
 Concen: 20.424 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061540.D
 Acq: 28 May 2020 18:32

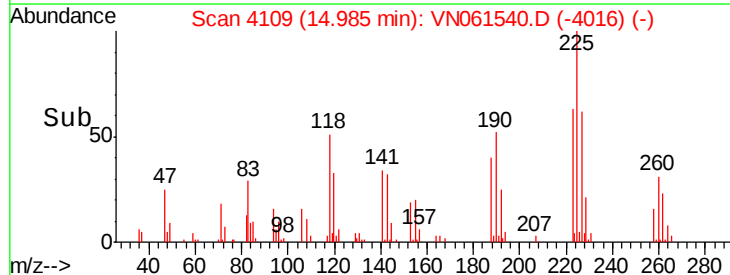
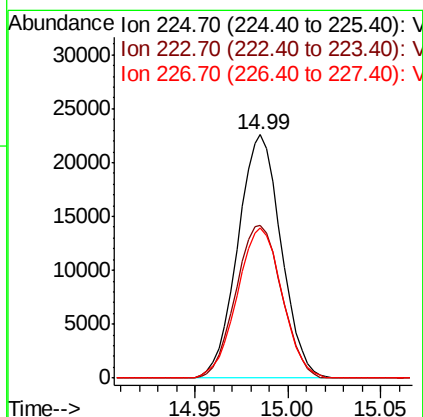
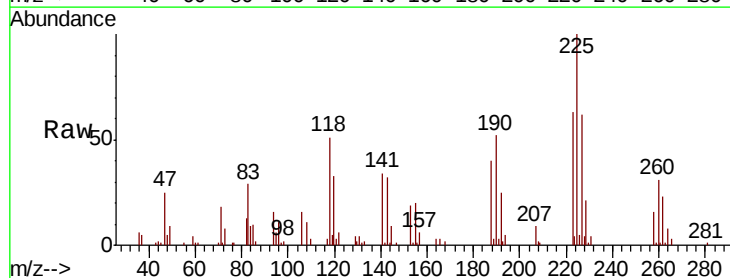
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 92093
 Ion Ratio Lower Upper
 180 100
 182 93.5 47.8 143.3
 145 31.0 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 18.461 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061540.D
 Acq: 28 May 2020 18:32

Tgt Ion:225 Resp: 36628
 Ion Ratio Lower Upper
 225 100
 223 66.3 31.9 95.5
 227 64.0 31.9 95.9

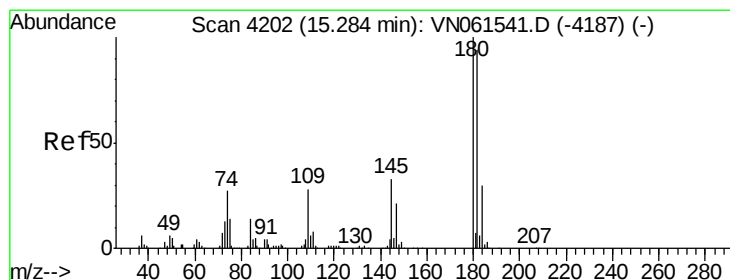
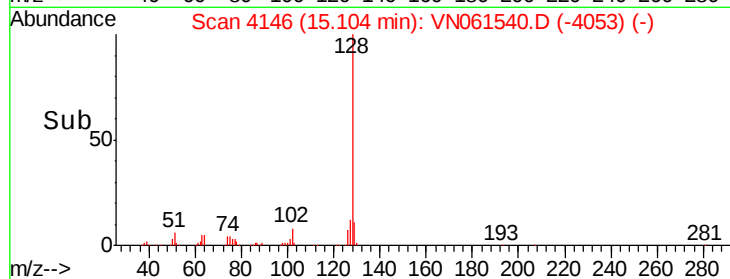
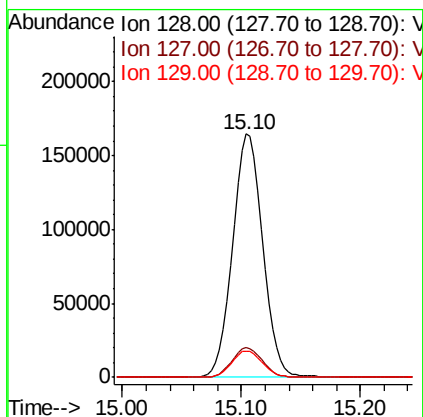
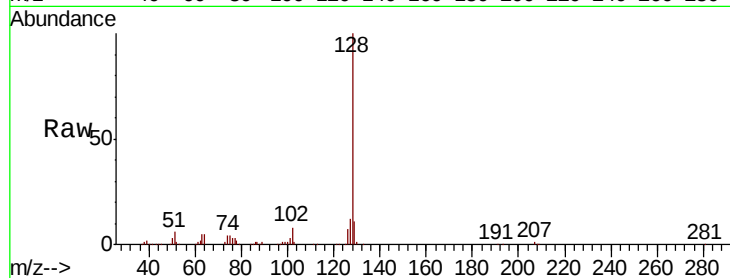




#95
Naphthalene
Concen: 20.185 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 288441
Ion Ratio Lower Upper
128 100
127 12.5 10.0 15.0
129 10.9 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 20.365 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061540.D
Acq: 28 May 2020 18:32

Tgt Ion:180 Resp: 91721
Ion Ratio Lower Upper
180 100
182 95.2 47.1 141.3
145 33.7 16.3 48.9

