

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051620\
 Data File : VN061421.D
 Acq On : 15 May 2020 21:45
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 16 02:38:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051620W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 02:35:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	175361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	328017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	316779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	153646	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	131449	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
35) Dibromofluoromethane	7.55	113	80363	42.63	ug/l	0.00
Spiked Amount			Recovery	=	85.26%	
50) Toluene-d8	10.06	98	398625	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.38	95	149971	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	68781	39.159	ug/l	100
3) Chloromethane	2.03	50	131716	57.100	ug/l	100
4) Vinyl Chloride	2.16	62	208858	74.304	ug/l	100
5) Bromomethane	2.54	94	115942	78.790	ug/l	100
6) Chloroethane	2.67	64	141924	78.073	ug/l	100
7) Trichlorofluoromethane	2.98	101	226103	71.650	ug/l	100
8) Diethyl Ether	3.37	74	54830	46.626	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	77715	42.985	ug/l	100
10) Methyl Iodide	3.91	142	98666	42.854	ug/l	100
11) Tert butyl alcohol	4.73	59	38169	115.893	ug/l	100
12) 1,1-Dichloroethene	3.70	96	84366	46.321	ug/l	100
13) Acrolein	3.57	56	52682	217.323	ug/l	100
14) Allyl chloride	4.27	41	143521	43.616	ug/l	100
15) Acrylonitrile	4.93	53	209789	193.468	ug/l	100
16) Acetone	3.77	43	129458	98.980	ug/l	100
17) Carbon Disulfide	4.01	76	204423	41.603	ug/l	100
18) Methyl Acetate	4.28	43	82942	23.463	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	331867	47.402	ug/l	100
20) Methylene Chloride	4.50	84	100469	47.016	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	99984	49.889	ug/l	100
22) Diisopropyl ether	5.90	45	342234	44.134	ug/l	100
23) Vinyl Acetate	5.84	43	1405019	225.342	ug/l	100
24) 1,1-Dichloroethane	5.80	63	195877	47.631	ug/l	100
25) 2-Butanone	6.79	43	258605	168.759	ug/l	100
26) 2,2-Dichloropropane	6.78	77	157754	45.376	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	121255	51.098	ug/l	100
28) Bromochloromethane	7.15	49	94642	47.905	ug/l	100
29) Tetrahydrofuran	7.17	42	182904	176.355	ug/l	100
30) Chloroform	7.33	83	204049	48.692	ug/l	100
31) Cyclohexane	7.62	56	184099	46.092	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	185797	50.613	ug/l	100
36) 1,1-Dichloropropene	7.75	75	155817	47.944	ug/l	100
37) Ethyl Acetate	6.88	43	129878	35.690	ug/l	100
38) Carbon Tetrachloride	7.73	117	142613	54.290	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	193972	52.377	ug/l	100
40) Benzene	8.00	78	469132	48.208	ug/l	100
41) Methacrylonitrile	7.13	41	68256	43.461	ug/l	100
42) 1,2-Dichloroethane	8.09	62	170811	46.746	ug/l	100
43) Isopropyl Acetate	8.13	43	252715	41.008	ug/l	100
44) Trichloroethene	8.80	130	121934	46.584	ug/l	100
45) 1,2-Dichloropropane	9.08	63	121204	46.945	ug/l	100
46) Dibromomethane	9.17	93	82260	50.978	ug/l	100
47) Bromodichloromethane	9.37	83	171569	49.577	ug/l	100
48) Methyl methacrylate	9.17	41	115685	41.712	ug/l	100
49) 1,4-Dioxane	9.17	88	12260	412.090	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	700695	196.006	ug/l	100
52) Toluene	10.13	92	307898	52.083	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	193537	49.629	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	200448	48.667	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	115128	49.149	ug/l	100
56) Ethyl methacrylate	10.40	69	188214	53.279	ug/l	100
57) 1,3-Dichloropropane	10.68	76	201088	49.115	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	407668	220.206	ug/l	100
59) 2-Hexanone	10.72	43	483481	187.613	ug/l	100
60) Dibromochloromethane	10.88	129	127255	51.543	ug/l	100
61) 1,2-Dibromoethane	10.98	107	120202	51.139	ug/l	100
64) Tetrachloroethene	10.60	164	120161	44.611	ug/l	100
65) Chlorobenzene	11.41	112	315631	50.148	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	117020	51.810	ug/l	100
67) Ethyl Benzene	11.48	91	606927	51.490	ug/l	100
68) m/p-Xylenes	11.60	106	456069	105.390	ug/l	100
69) o-Xylene	11.92	106	217967	52.434	ug/l	100
70) Styrene	11.94	104	381080	54.557	ug/l	100
71) Bromoform	12.10	173	82110	50.150	ug/l #	100
73) Isopropylbenzene	12.23	105	587072	51.665	ug/l	100
74) N-amyl acetate	12.05	43	234781	42.434	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	159797	46.008	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	218022	68.173	ug/l #	100
77) Bromobenzene	12.50	156	126371	48.692	ug/l	100
78) n-propylbenzene	12.57	91	691063	51.444	ug/l	100
79) 2-Chlorotoluene	12.65	91	400703	50.704	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	503162	53.346	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	57797	46.111	ug/l	100
82) 4-Chlorotoluene	12.75	91	422782	50.784	ug/l	100
83) tert-Butylbenzene	12.97	119	409647	51.804	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	503246	51.946	ug/l	100
85) sec-Butylbenzene	13.15	105	570964	52.822	ug/l	100
86) p-Isopropyltoluene	13.26	119	512405	52.632	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	238162	49.738	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	239995	48.964	ug/l	100
89) n-Butylbenzene	13.59	91	469686	52.708	ug/l	100
90) Hexachloroethane	13.85	117	67716	70.653	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	228453	49.717	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	33378	46.023	ug/l	100

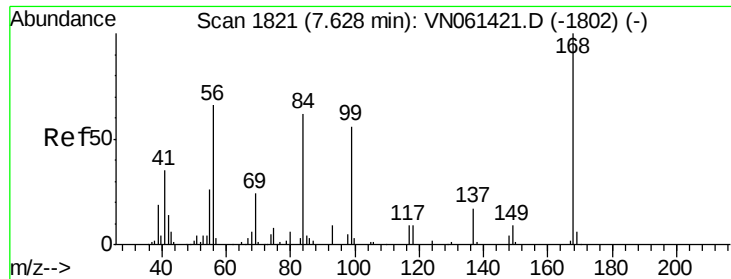
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051620\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	128198	46.581	ug/l	100
94) Hexachlorobutadiene	14.98	225	49748	43.690	ug/l	100
95) Naphthalene	15.11	128	419194	46.868	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	123926	45.650	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

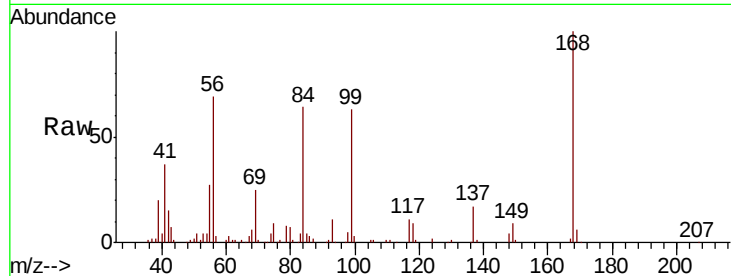
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 175361

Ion Ratio Lower Upper

168 100

99 62.4 49.9 74.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

60000

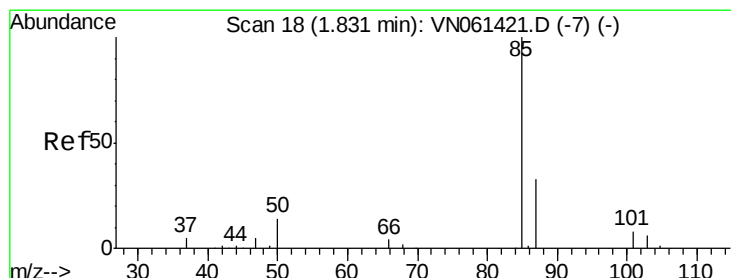
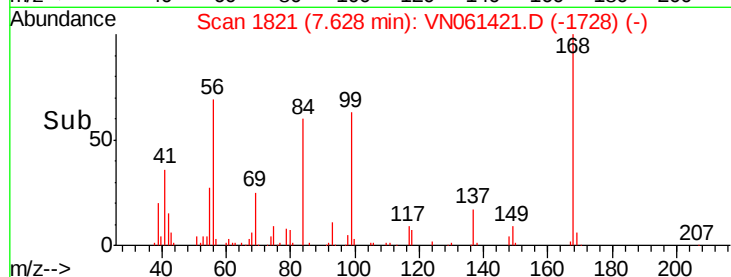
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 39.159 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061421.D

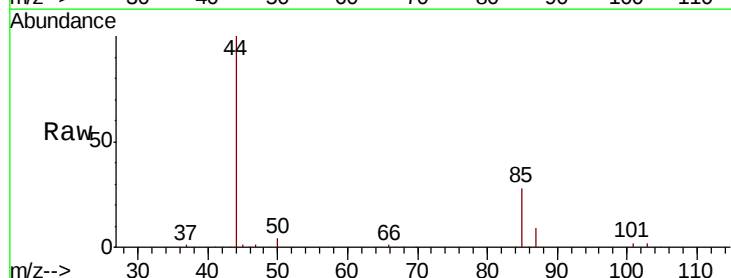
Acq: 15 May 2020 21:45

Tgt Ion: 85 Resp: 68781

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

60000

50000

40000

30000

20000

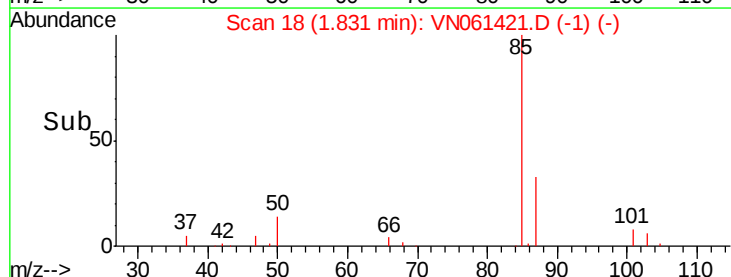
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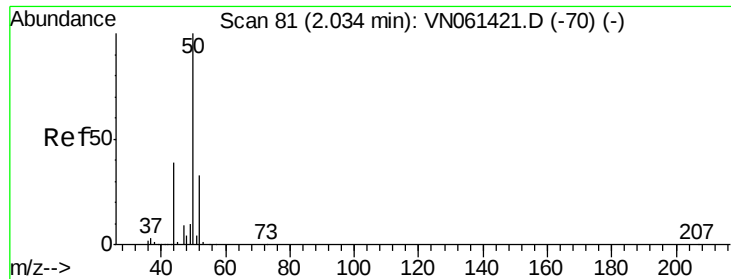
0

1.83

1.80 1.85

Time-->





#3

Chloromethane

Concen: 57.100 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

Instrument :

MSVOA_N

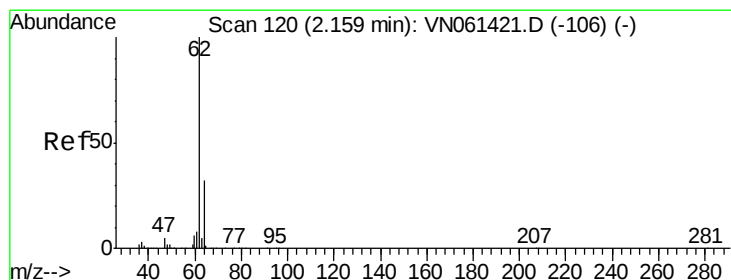
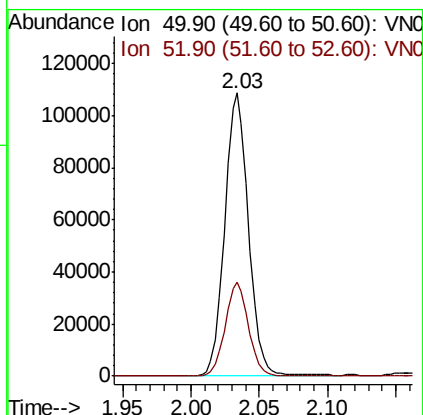
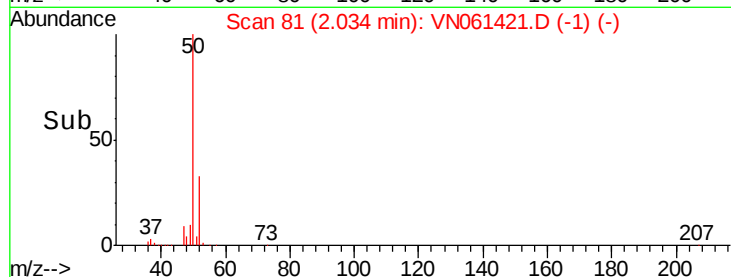
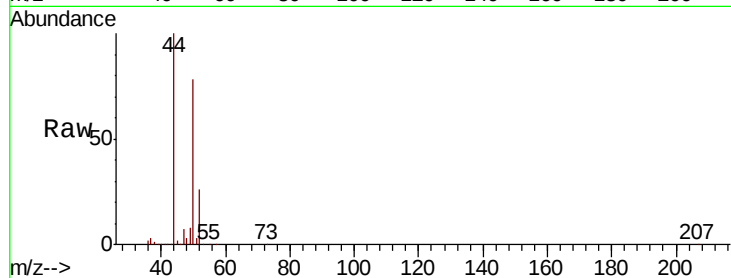
ClientSampleId :

Tot Ion: 50 Resp: 131716

Ion Ratio Lower Upper

50 100

52 33.1 26.5 39.7



#4

Vinyl Chloride

Concen: 74.304 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061421.D

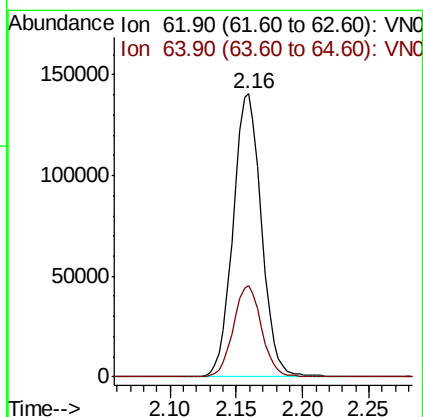
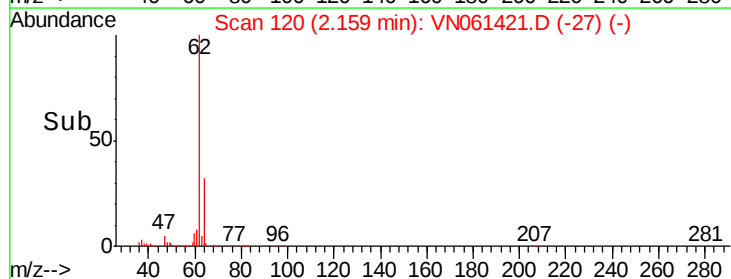
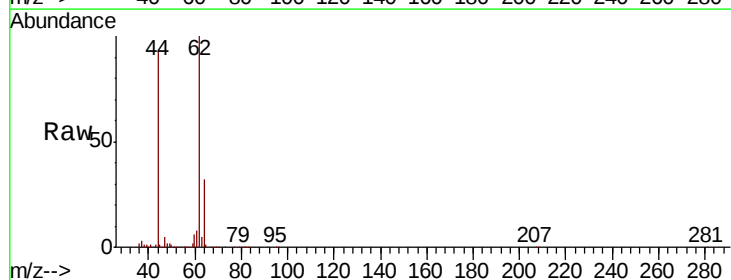
Acq: 15 May 2020 21:45

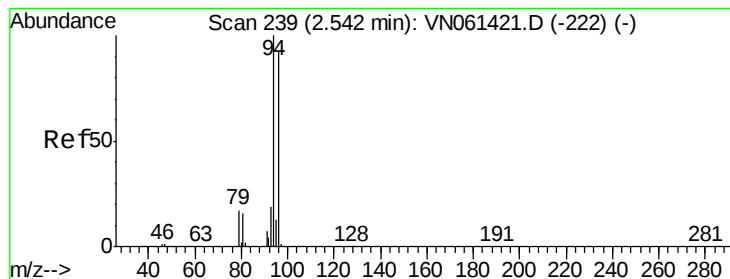
Tgt Ion: 62 Resp: 208858

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5





#5

Bromomethane

Concen: 78.790 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

Instrument :

MSVOA_N

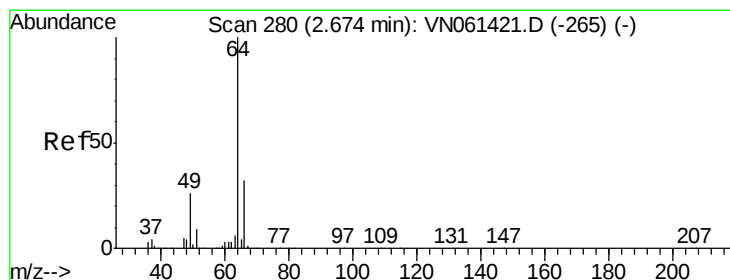
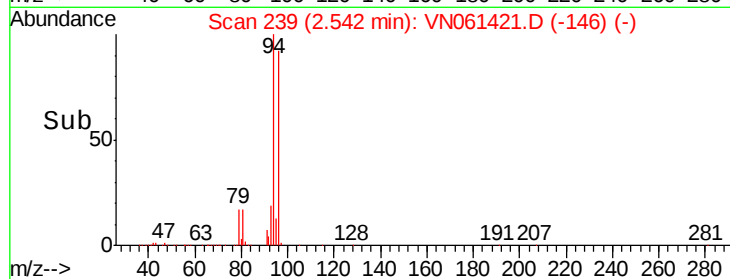
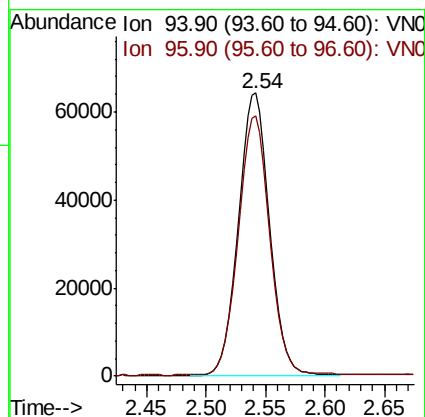
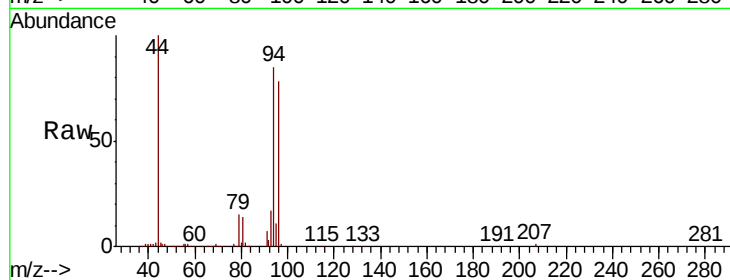
ClientSampleId :

Tot Ion: 94 Resp: 115942

Ion Ratio Lower Upper

94 100

96 91.7 73.4 110.0



#6

Chloroethane

Concen: 78.073 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061421.D

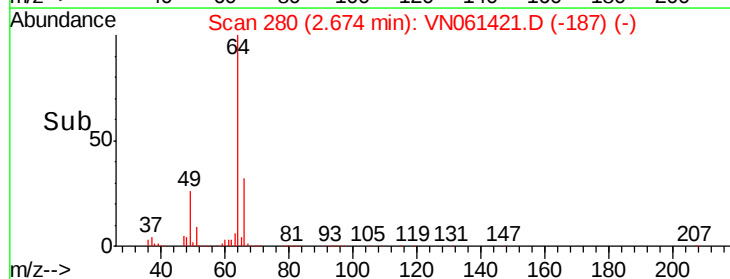
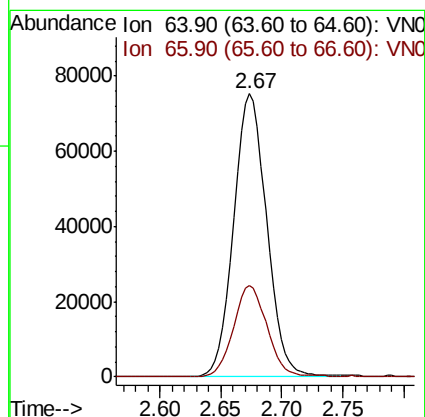
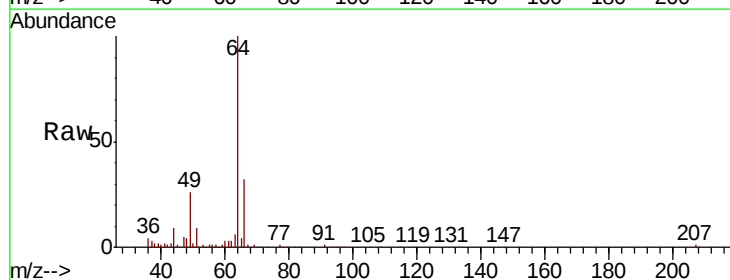
Acq: 15 May 2020 21:45

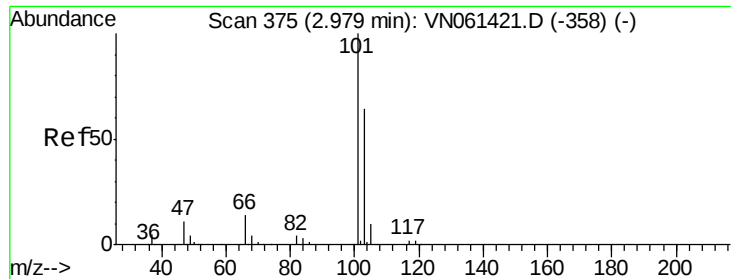
Tgt Ion: 64 Resp: 141924

Ion Ratio Lower Upper

64 100

66 32.4 25.9 38.9



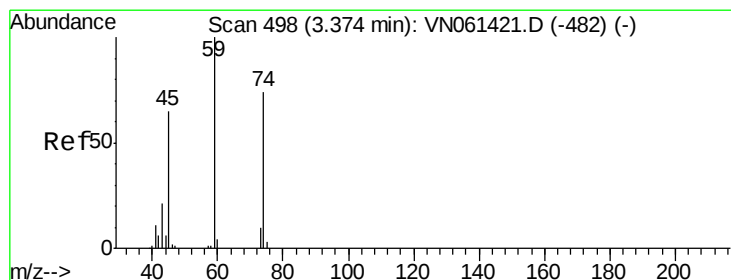
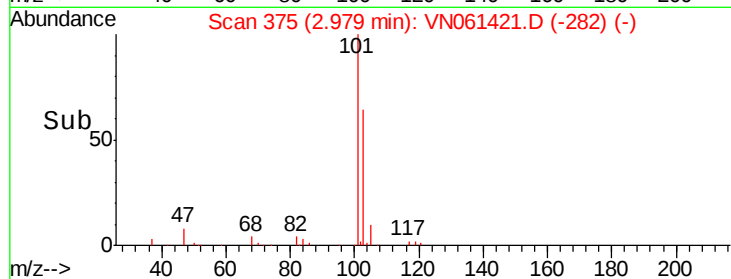
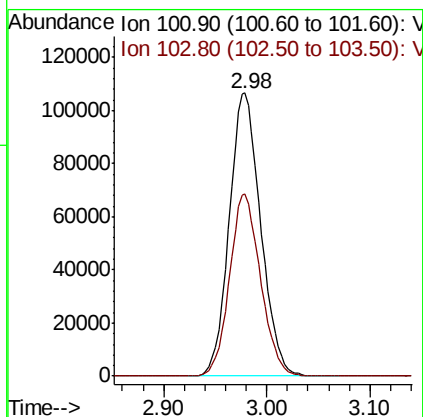
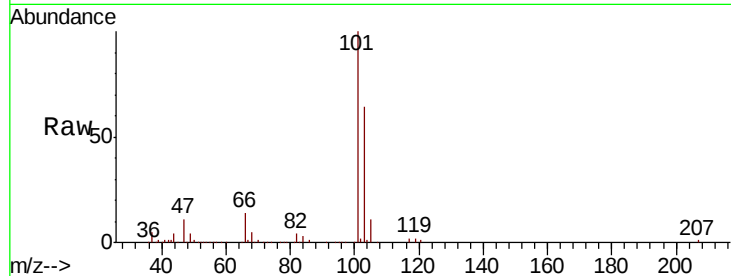


#7

Trichlorofluoromethane
 Concen: 71.650 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

Instrument :
 MSVOA_N
 ClientSampled :

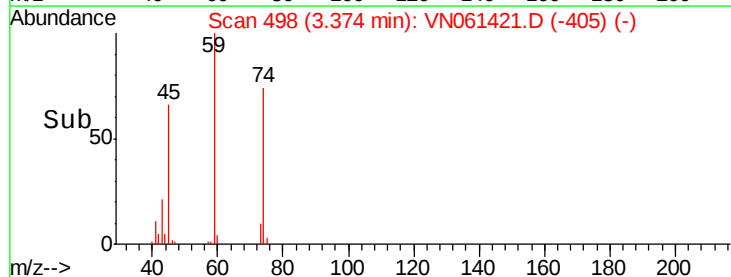
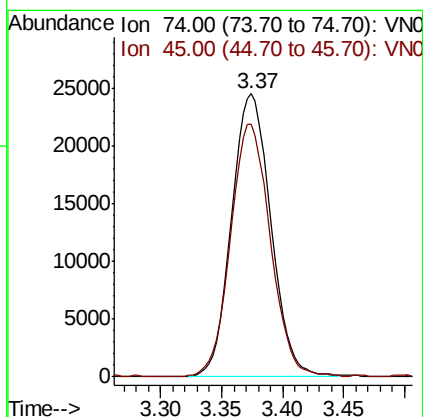
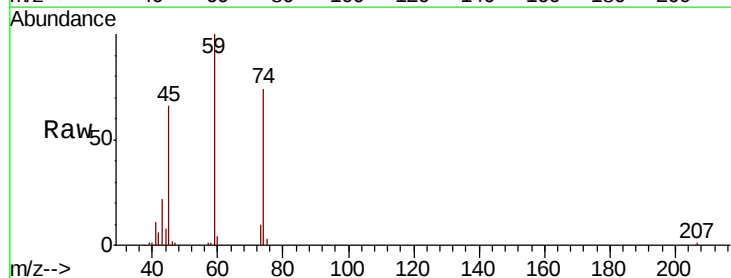
Tot Ion:101 Resp: 226103
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.4 77.0

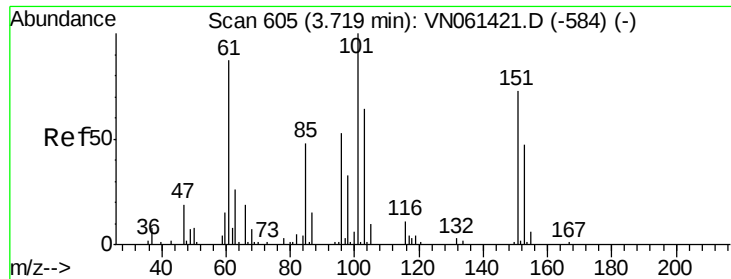


#8

Diethyl Ether
 Concen: 46.626 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

Tgt Ion: 74 Resp: 54830
 Ion Ratio Lower Upper
 74 100
 45 90.4 45.2 135.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.985 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

Instrument :

MSVOA_N

ClientSampleId :

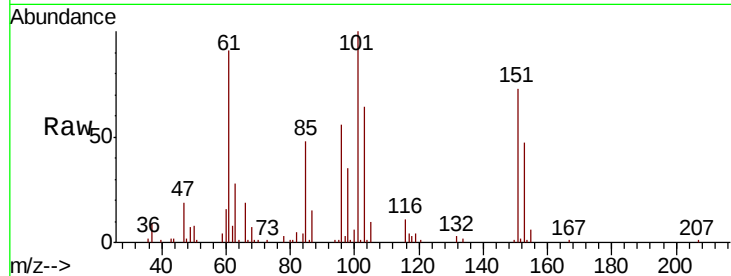
Tot Ion:101 Resp: 77715

Ion Ratio Lower Upper

101 100

85 48.0 38.4 57.6

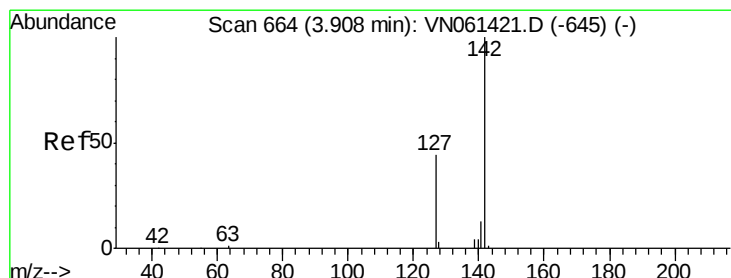
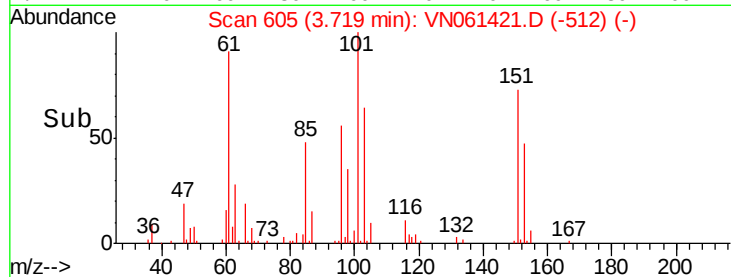
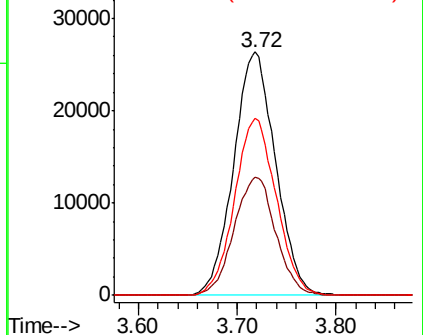
151 72.3 57.8 86.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.854 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

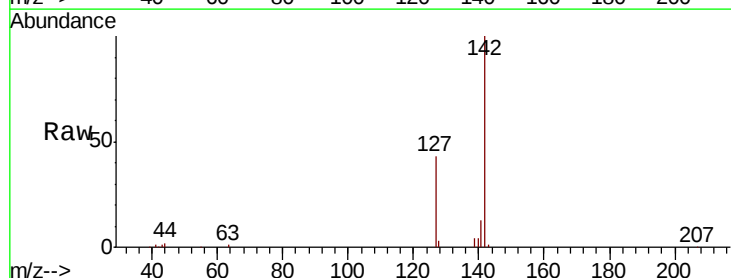
Tgt Ion:142 Resp: 98666

Ion Ratio Lower Upper

142 100

127 45.0 36.0 54.0

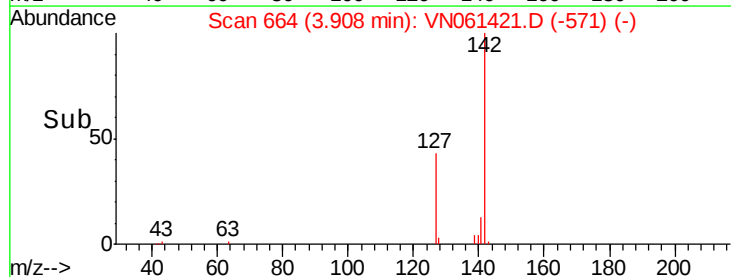
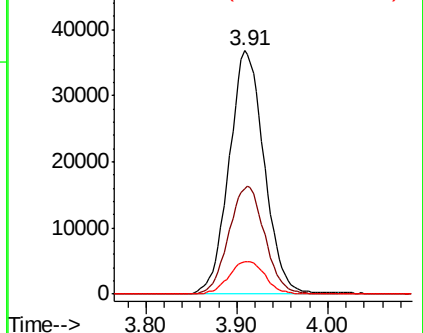
141 13.8 11.0 16.6

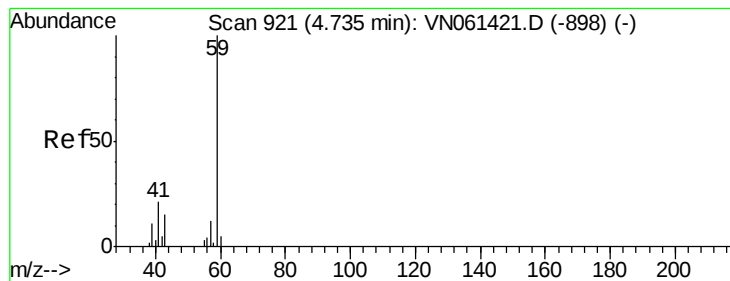


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



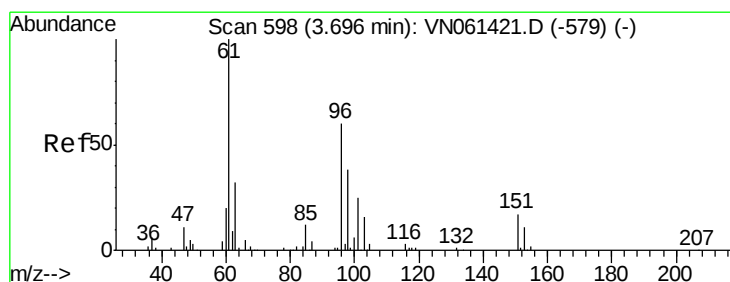
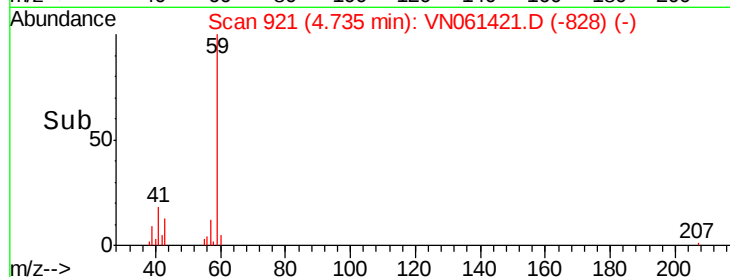
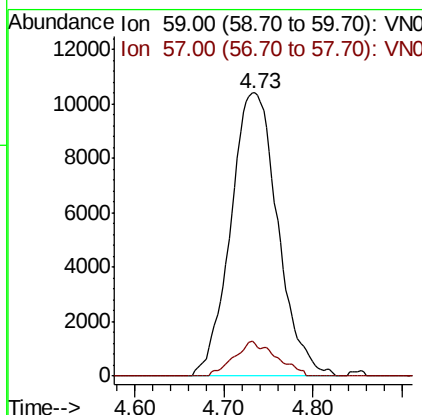
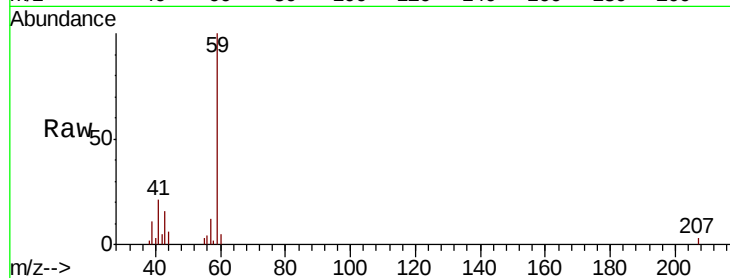


#11

Tert butyl alcohol
 Concen: 115.893 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

Instrument :
 MSVOA_N
 ClientSampleId :

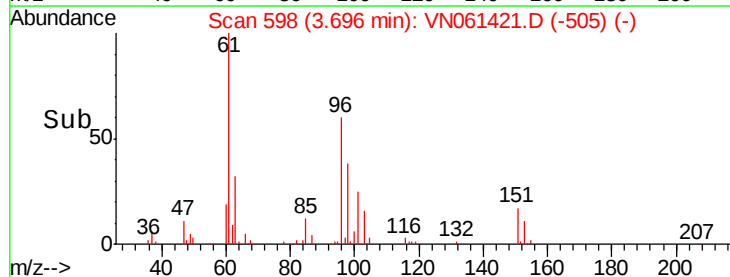
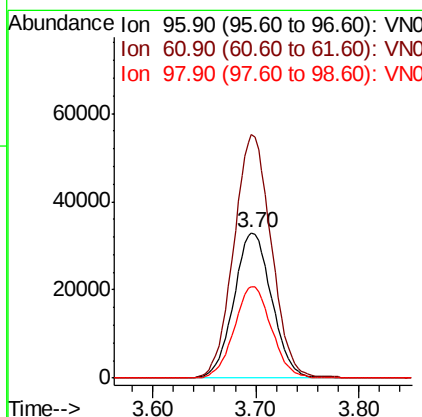
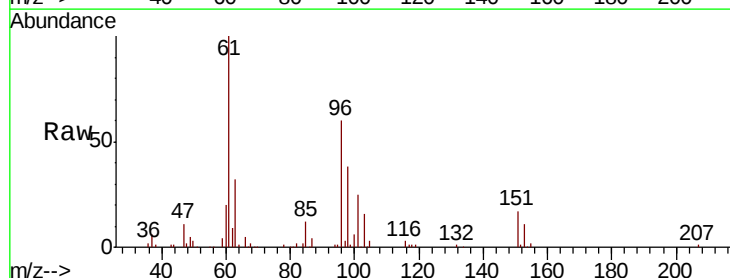
Tot Ion: 59 Resp: 38169
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.8 13.2

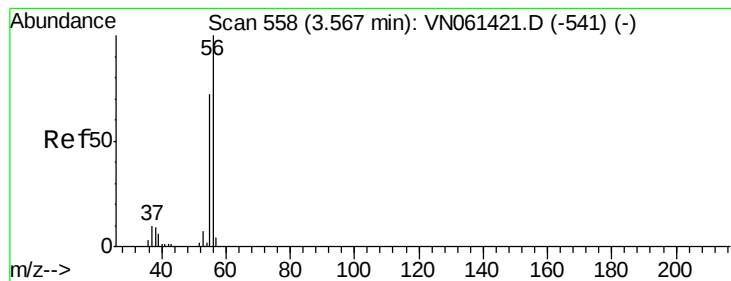


#12

1,1-Dichloroethene
 Concen: 46.321 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

Tgt Ion: 96 Resp: 84366
 Ion Ratio Lower Upper
 96 100
 61 167.4 133.9 200.9
 98 63.0 50.4 75.6





#13

Acrolein

Concen: 217.323 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

Instrument :

MSVOA_N

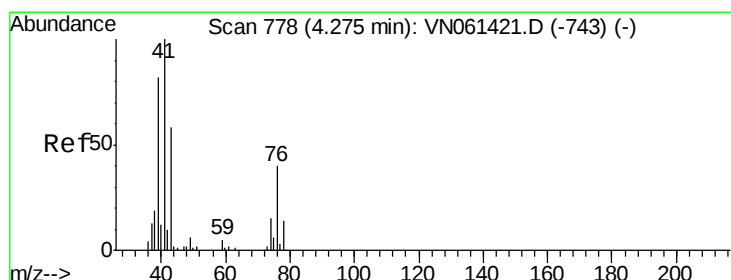
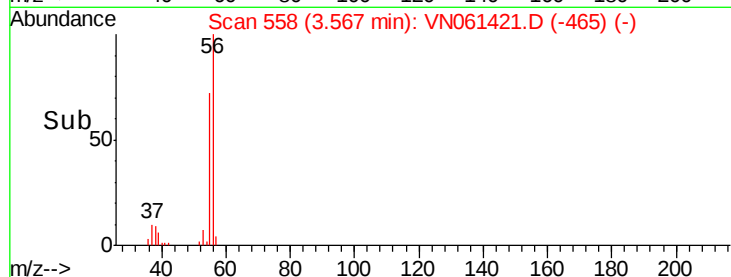
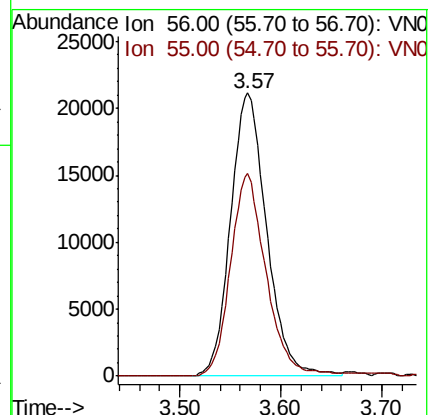
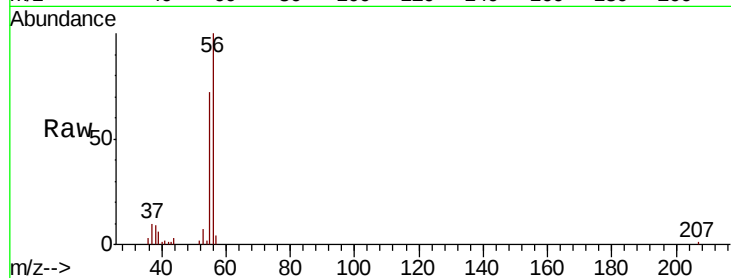
ClientSampleId :

Tot Ion: 56 Resp: 52682

Ion Ratio Lower Upper

56 100

55 70.5 56.4 84.6



#14

Allyl chloride

Concen: 43.616 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

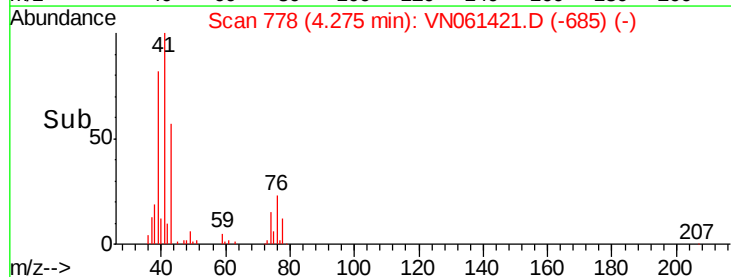
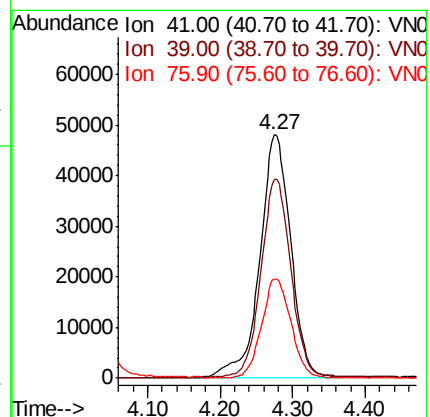
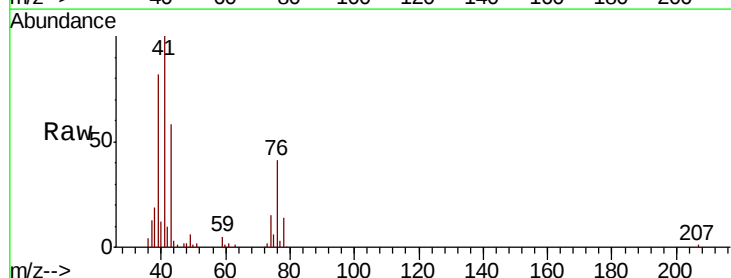
Tgt Ion: 41 Resp: 143521

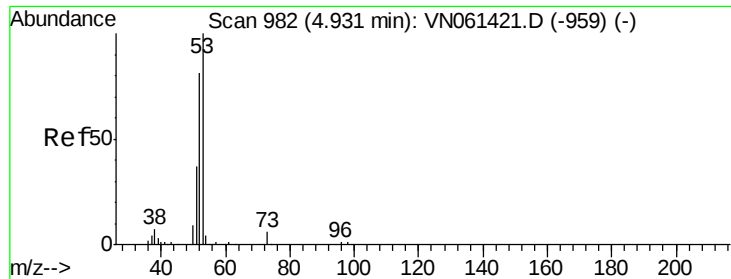
Ion Ratio Lower Upper

41 100

39 79.3 63.4 95.2

76 38.4 30.7 46.1





#15

Acrylonitrile

Concen: 193.468 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

Instrument :

MSVOA_N

ClientSampleId :

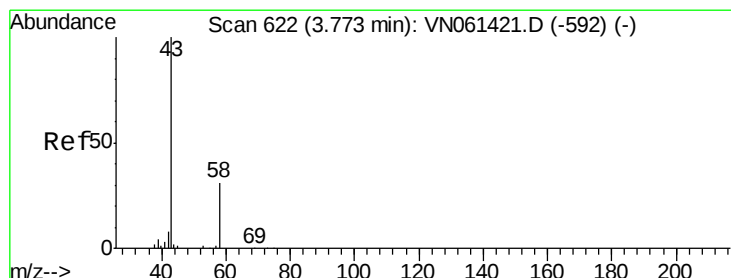
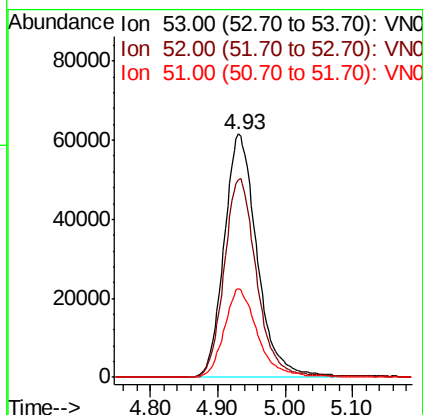
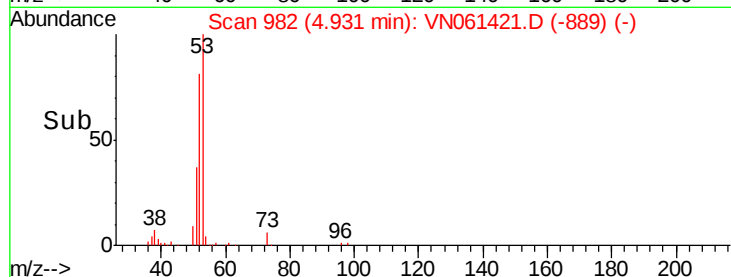
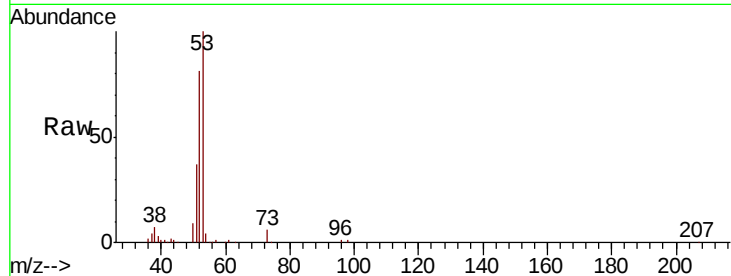
Tot Ion: 53 Resp: 209789

Ion Ratio Lower Upper

53 100

52 80.5 64.4 96.6

51 36.6 29.3 43.9



#16

Acetone

Concen: 98.980 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061421.D

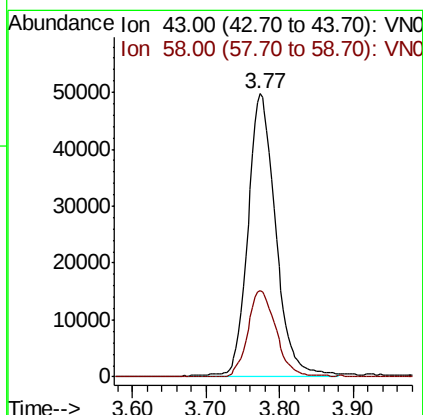
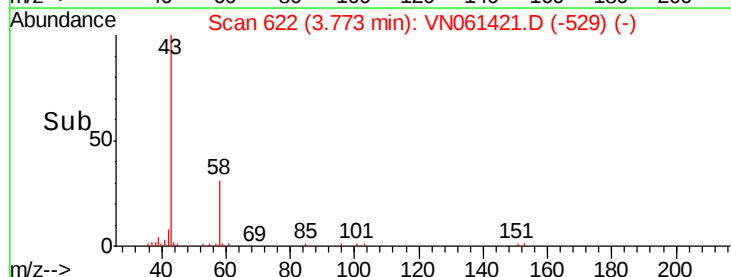
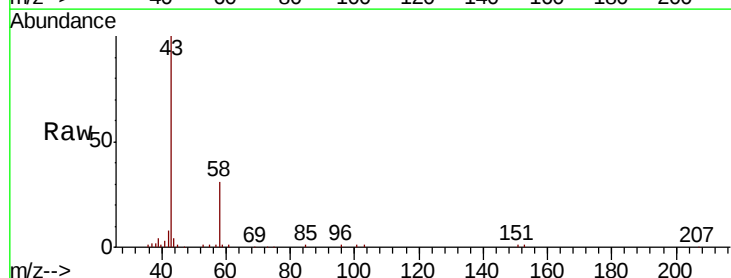
Acq: 15 May 2020 21:45

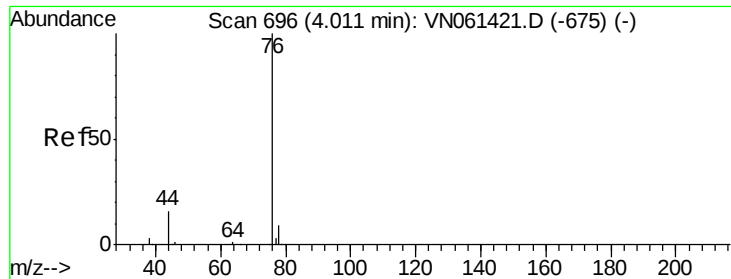
Tgt Ion: 43 Resp: 129458

Ion Ratio Lower Upper

43 100

58 30.7 24.6 36.8

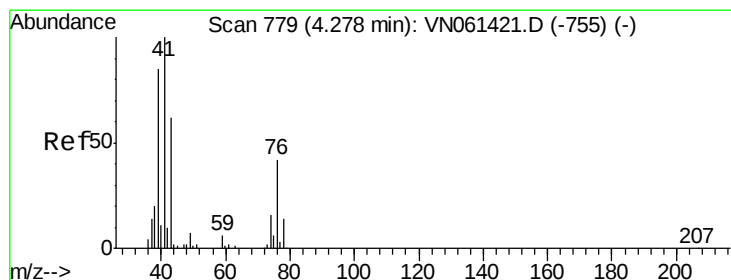
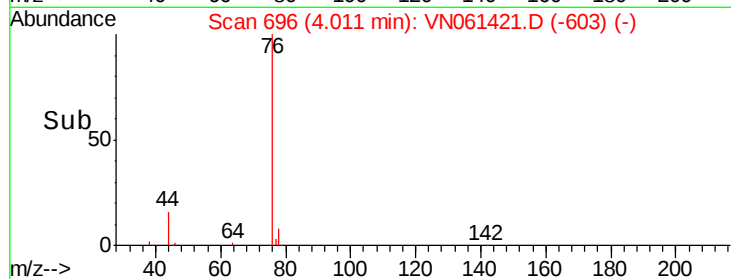
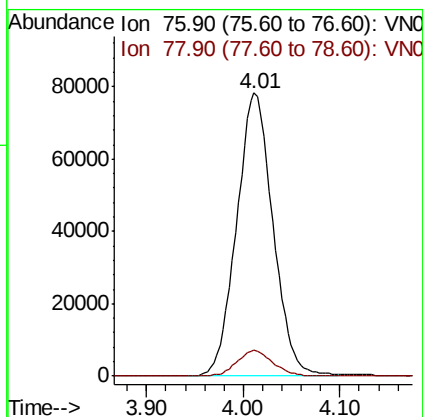
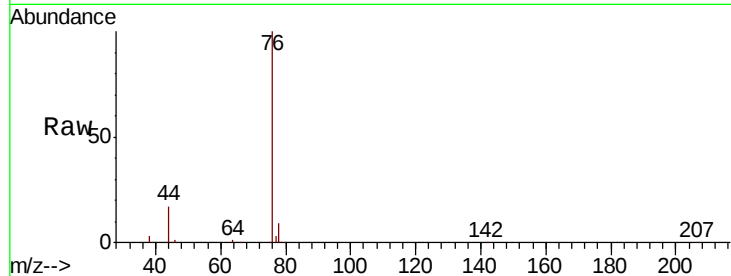




#17
 Carbon Disulfide
 Concen: 41.603 ug/l
 RT: 4.01 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

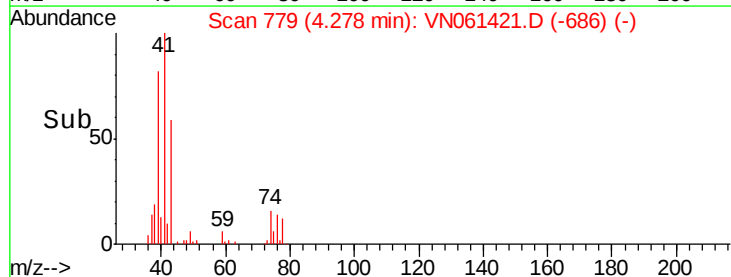
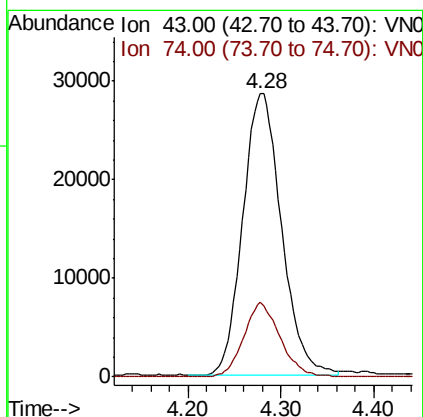
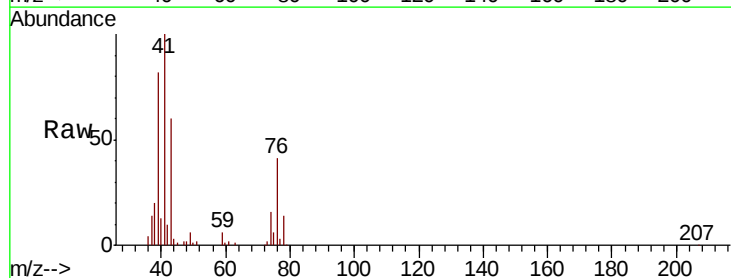
Instrument :
 MSVOA_N
 ClientSampled :

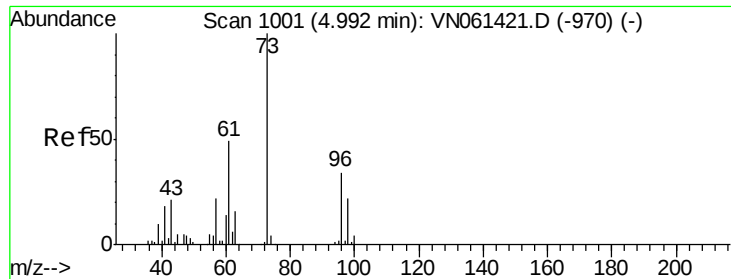
Tot Ion: 76 Resp: 204423
 Ion Ratio Lower Upper
 76 100
 78 9.0 7.2 10.8



#18
 Methyl Acetate
 Concen: 23.463 ug/l
 RT: 4.28 min Scan# 779
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

Tgt Ion: 43 Resp: 82942
 Ion Ratio Lower Upper
 43 100
 74 24.7 19.8 29.6

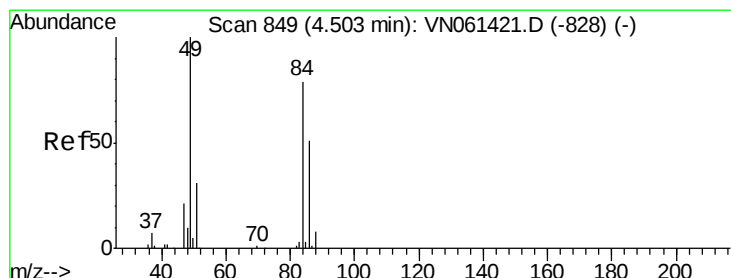
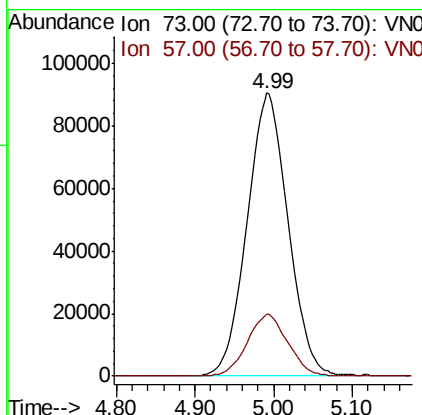
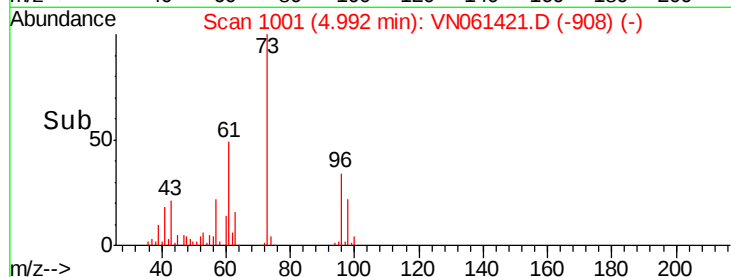
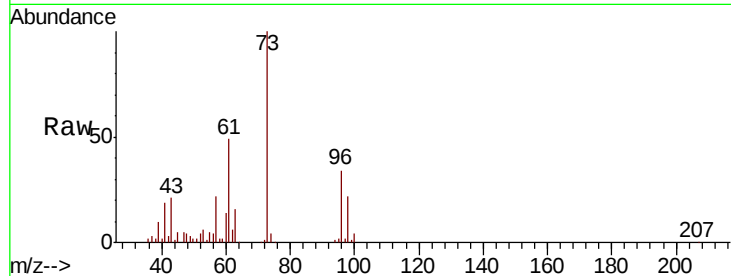




#19
Methvl tert-butvl Ether
Concen: 47.402 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

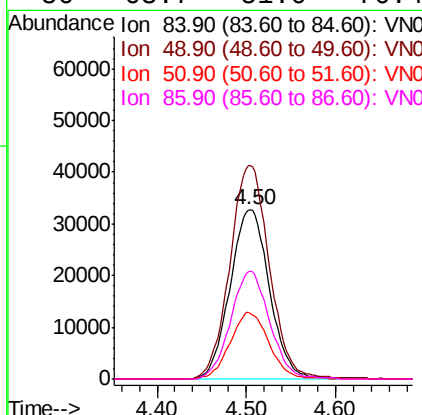
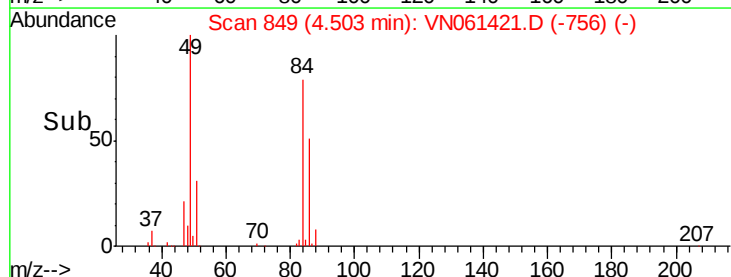
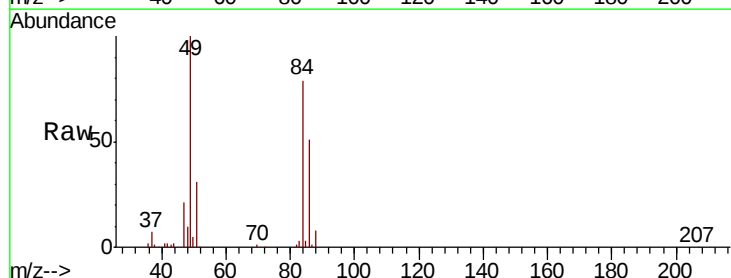
Instrument :
MSVOA_N
ClientSampleId :

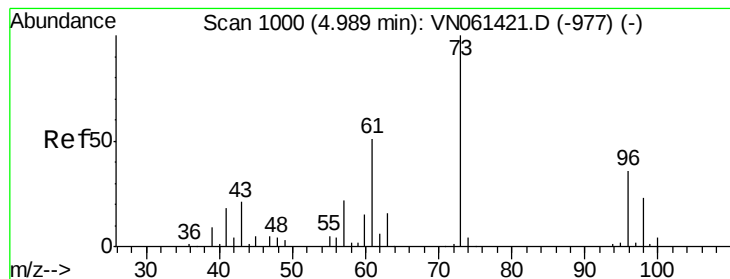
Tot Ion: 73 Resp: 331867
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4



#20
Methylene Chloride
Concen: 47.016 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

Tgt Ion: 84 Resp: 100469
Ion Ratio Lower Upper
84 100
49 126.2 101.0 151.4
51 39.5 31.6 47.4
86 63.7 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 49.889 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

Instrument :
MSVOA_N
ClientSampled :

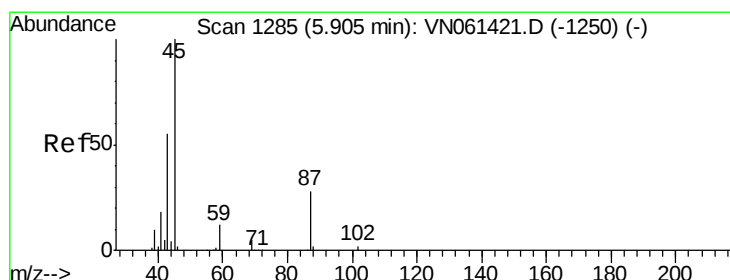
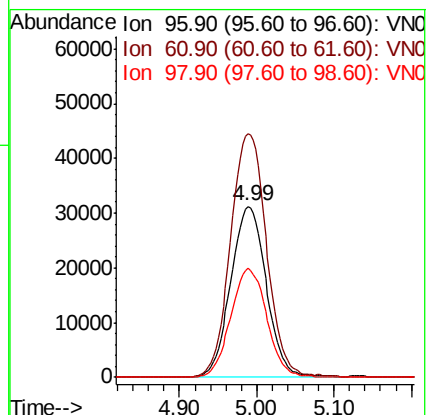
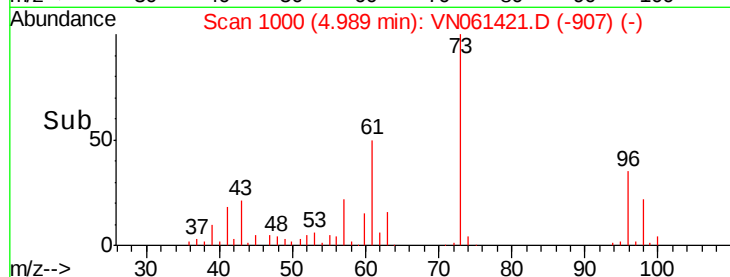
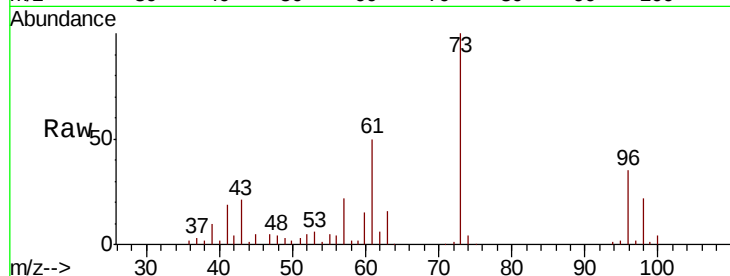
Tot Ion: 96 Resp: 99984

Ion Ratio Lower Upper

96 100

61 142.2 113.8 170.6

98 63.5 50.8 76.2



#22

Diisopropyl ether

Concen: 44.134 ug/l

RT: 5.90 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

Tgt Ion: 45 Resp: 342234

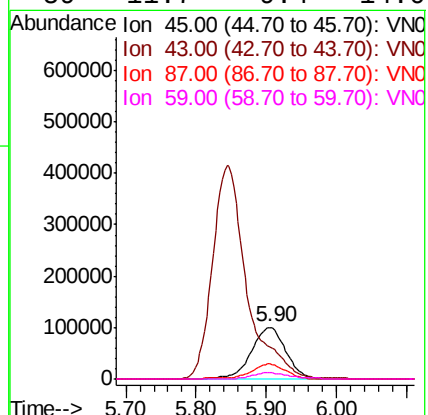
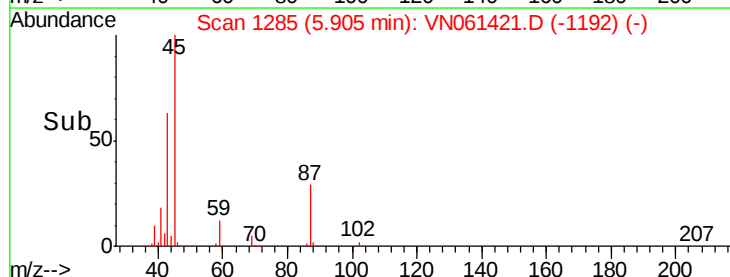
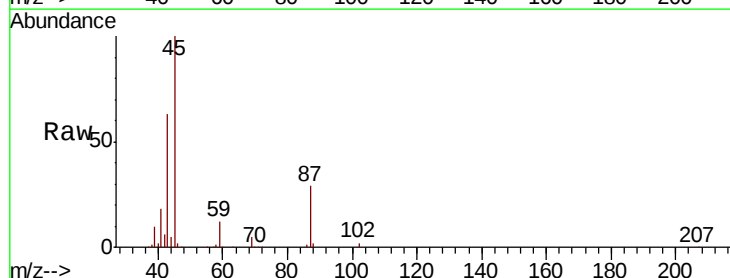
Ion Ratio Lower Upper

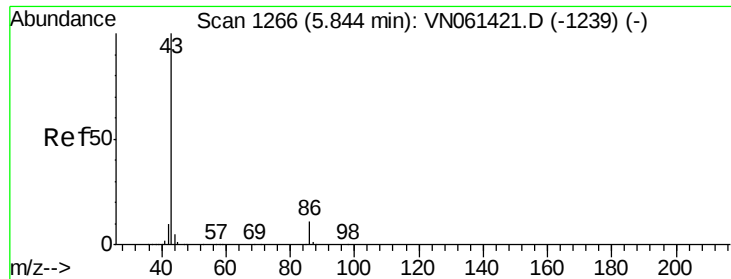
45 100

43 61.4 49.1 73.7

87 28.7 23.0 34.4

59 11.7 9.4 14.0

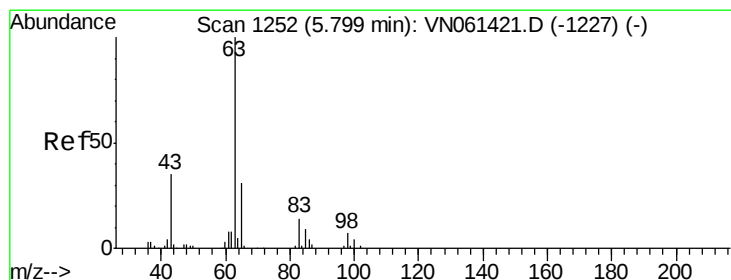
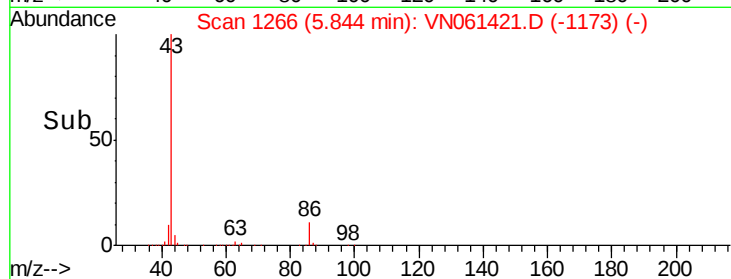
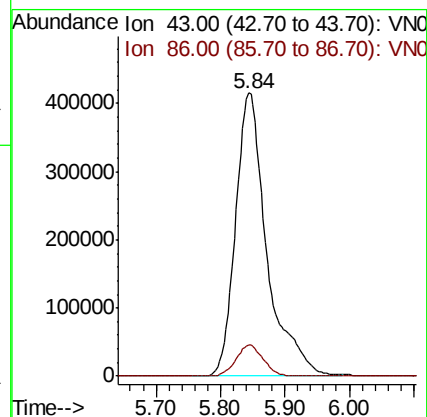
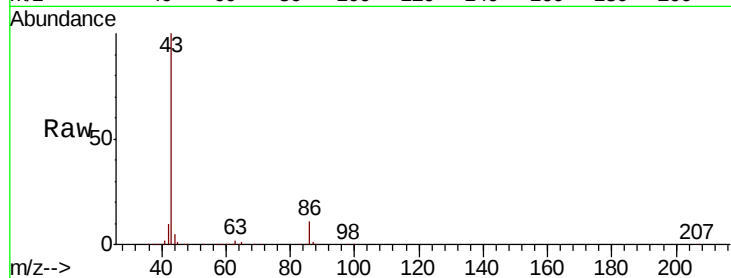




#23
 Vinyl Acetate
 Concen: 225.342 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

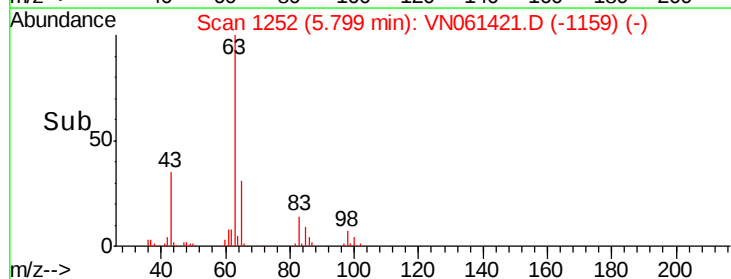
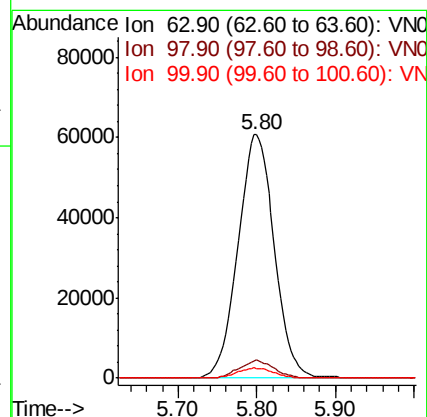
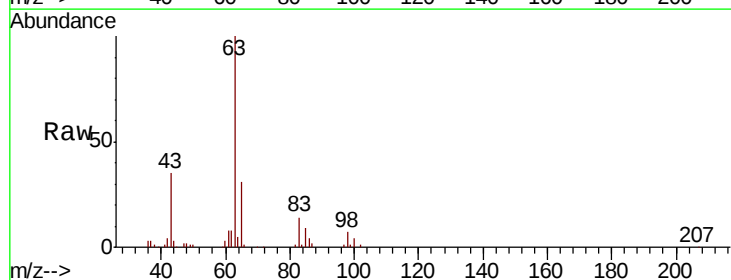
Instrument :
 MSVOA_N
 ClientSampleId :

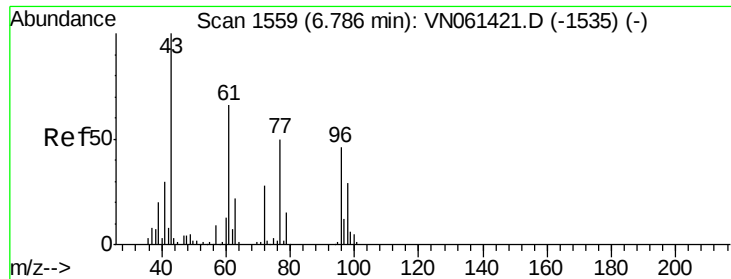
Tot Ion: 43 Resp: 1405019
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 47.631 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

Tgt Ion: 63 Resp: 195877
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.6 10.9
 100 4.1 2.1 6.2





#25

2-Butanone

Concen: 168.759 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

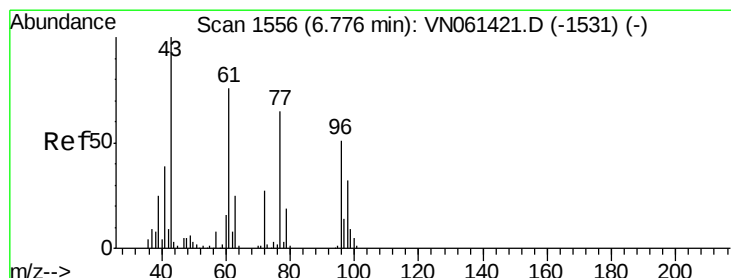
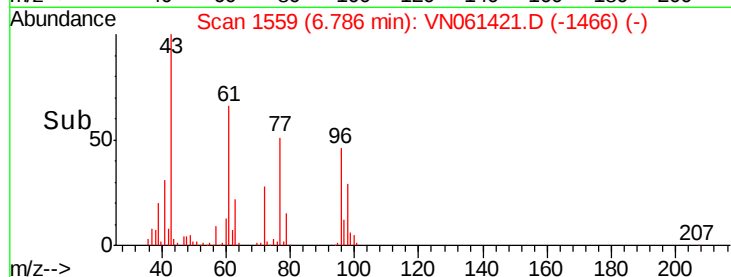
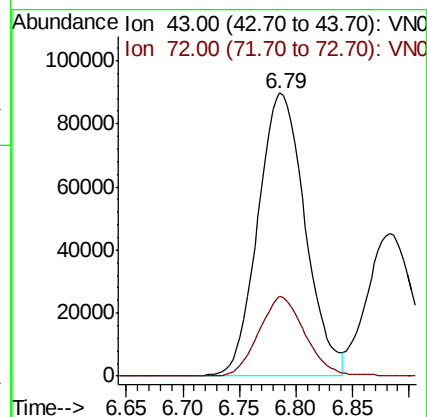
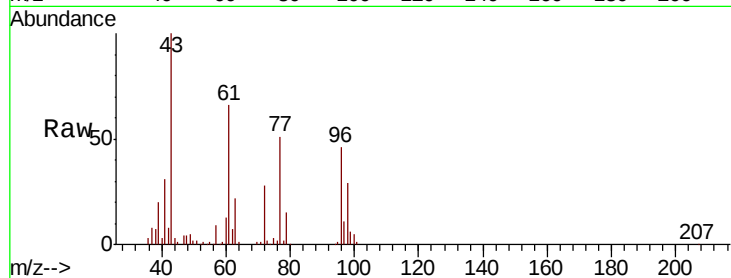
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 258605

Ion Ratio Lower Upper

43 100

72 28.2 22.6 33.8



#26

2,2-Dichloropropane

Concen: 45.376 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN061421.D

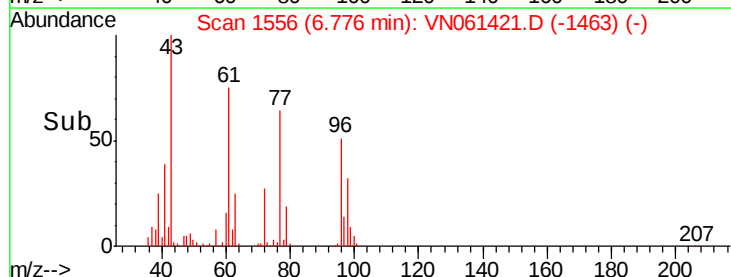
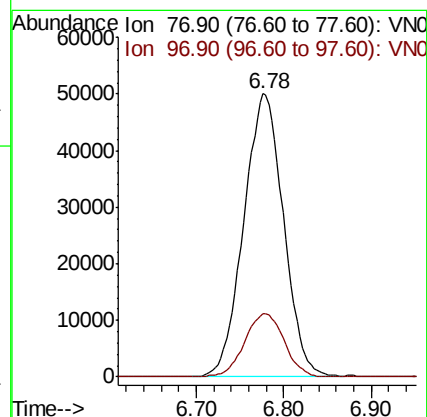
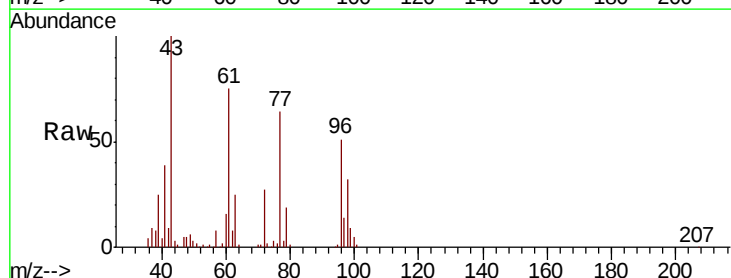
Acq: 15 May 2020 21:45

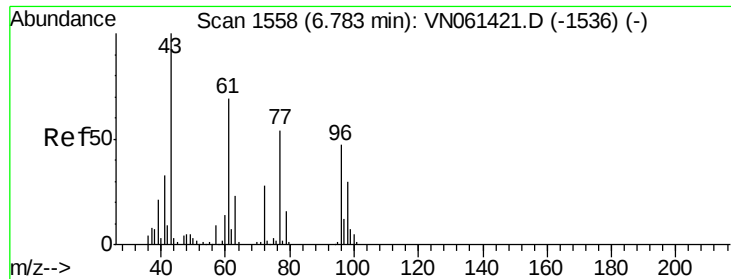
Tgt Ion: 77 Resp: 157754

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 51.098 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

Instrument :
MSVOA_N
ClientSampled :

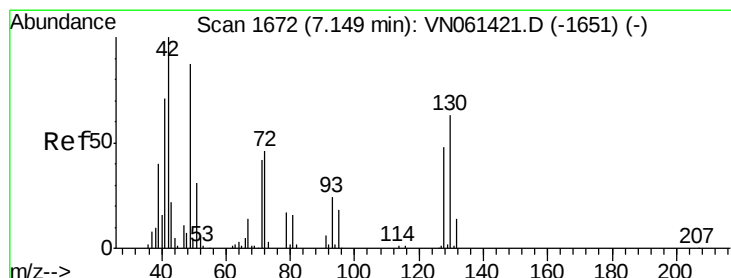
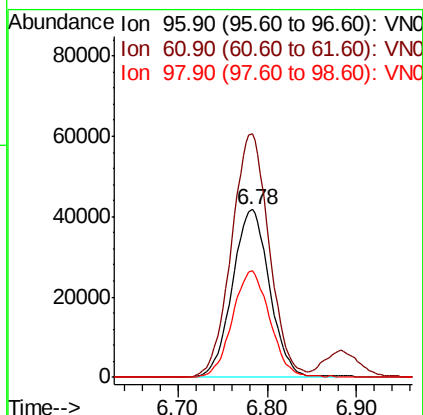
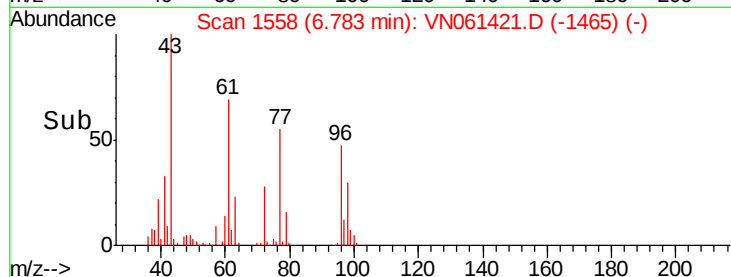
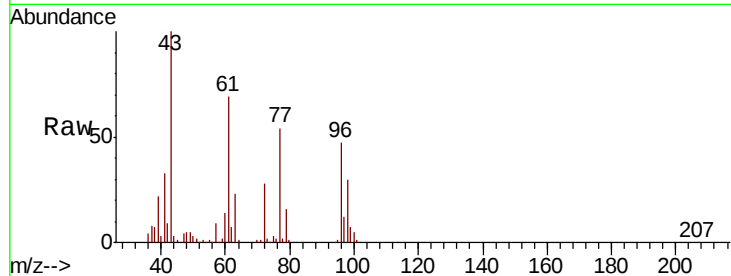
Tot Ion: 96 Resp: 121255

Ion Ratio Lower Upper

96 100

61 146.5 0.0 293.0

98 63.7 0.0 127.4



#28

Bromochloromethane

Concen: 47.905 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

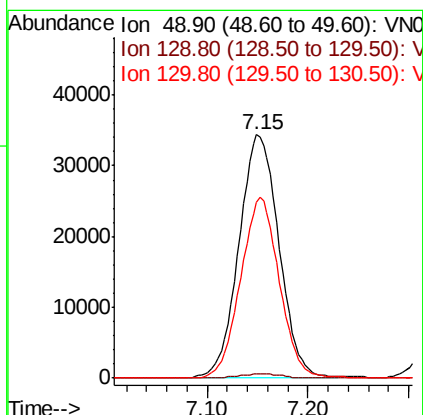
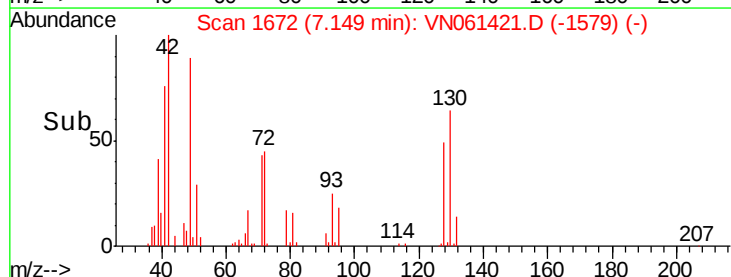
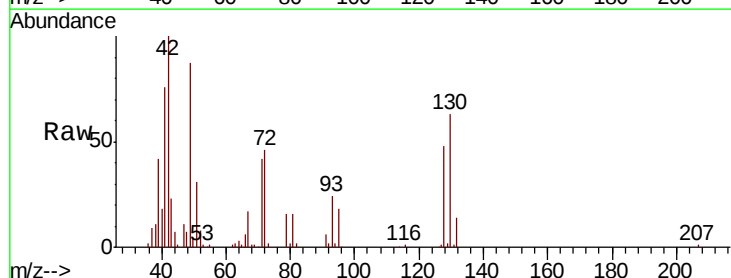
Tgt Ion: 49 Resp: 94642

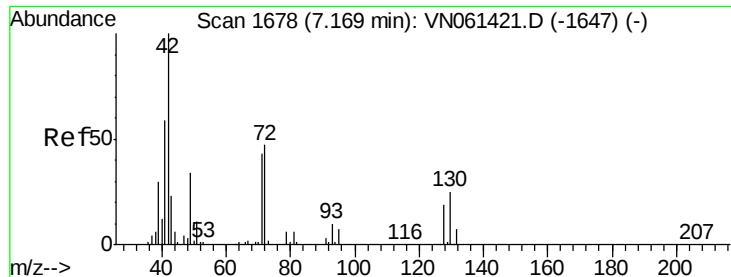
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 71.7 57.4 86.0

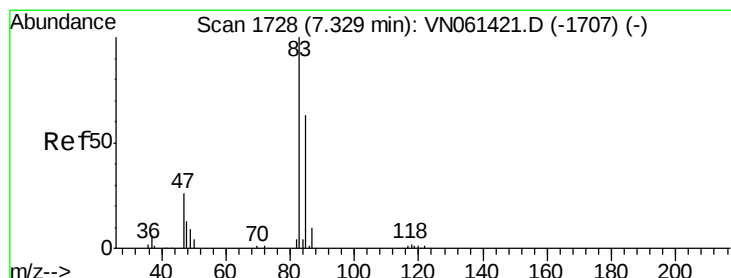
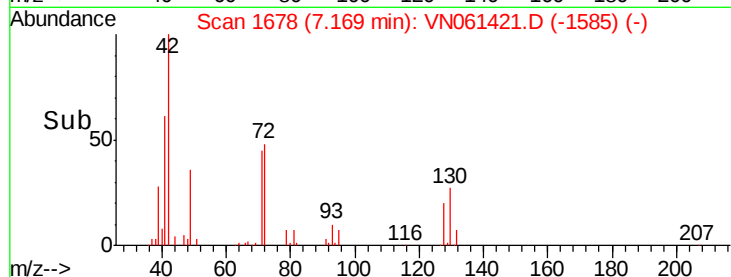
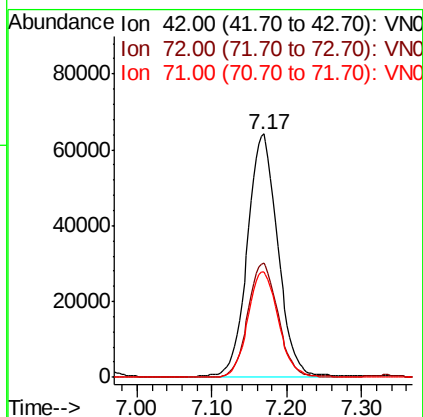
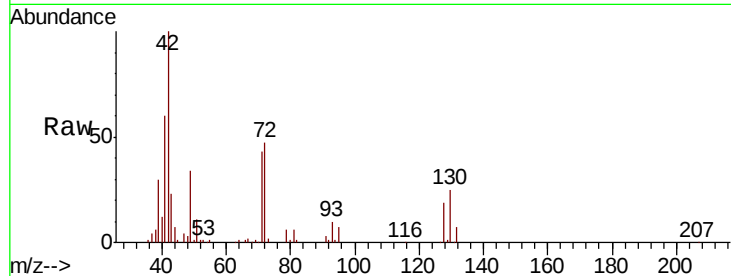




#29
Tetrahydrofuran
Concen: 176.355 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

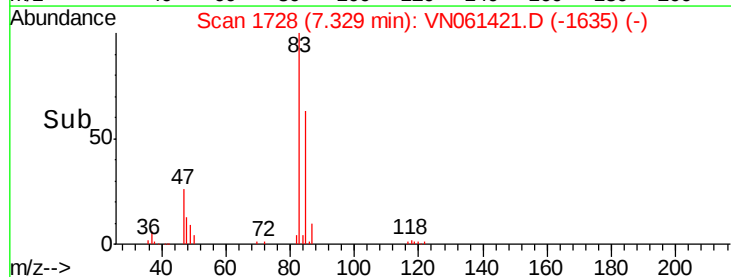
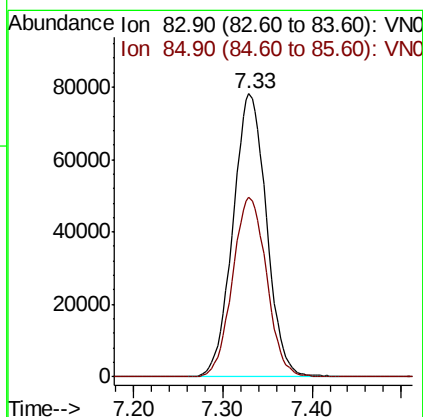
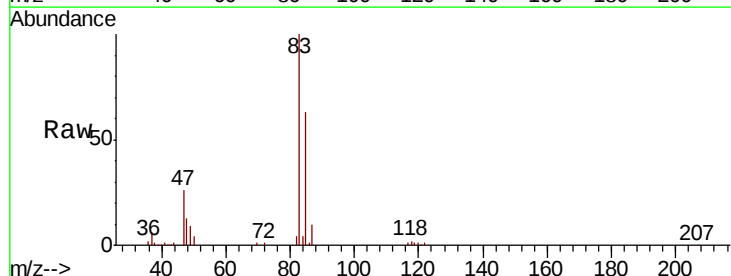
Instrument :
MSVOA_N
ClientSampled :

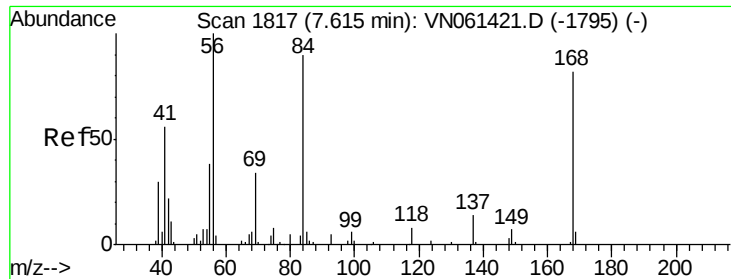
Tot Ion: 42 Resp: 182904
Ion Ratio Lower Upper
42 100
72 46.4 37.1 55.7
71 43.1 34.5 51.7



#30
Chloroform
Concen: 48.692 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

Tgt Ion: 83 Resp: 204049
Ion Ratio Lower Upper
83 100
85 63.3 50.6 76.0

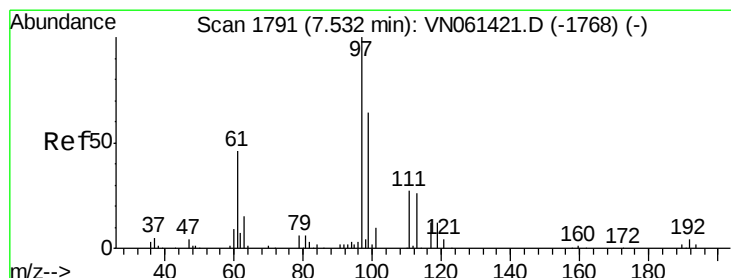
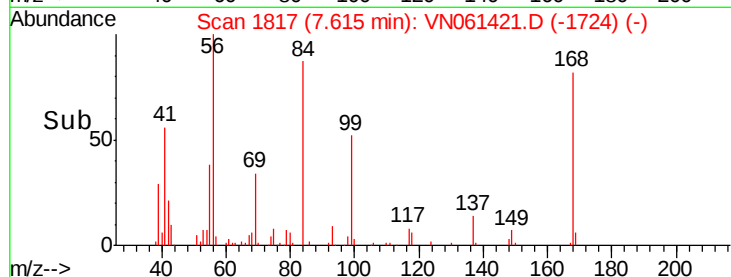
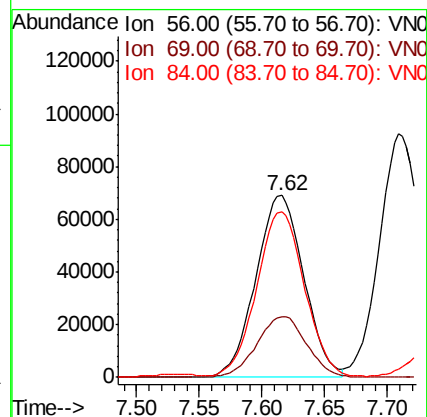
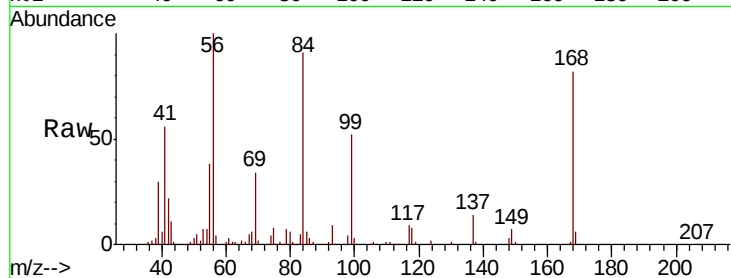




#31
Cyclohexane
Concen: 46.092 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

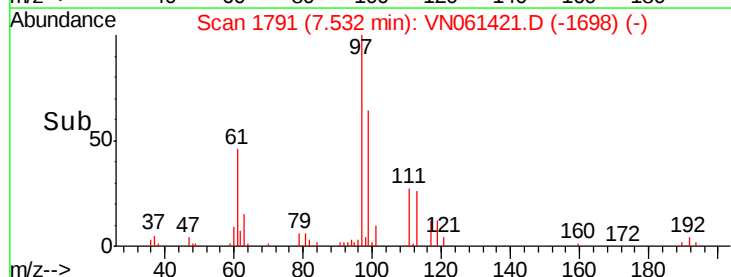
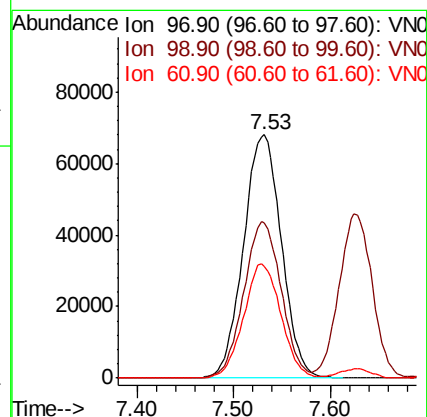
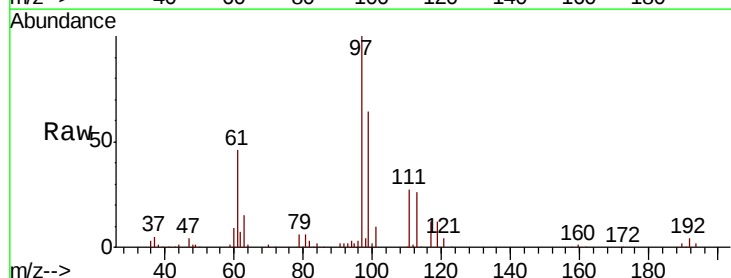
Instrument :
MSVOA_N
ClientSampled :

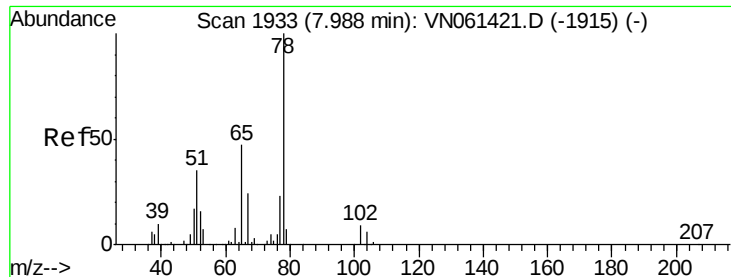
Tot Ion: 56 Resp: 184099
Ion Ratio Lower Upper
56 100
69 33.7 27.0 40.4
84 89.6 71.7 107.5



#32
1,1,1-Trichloroethane
Concen: 50.613 ug/l
RT: 7.53 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

Tgt Ion: 97 Resp: 185797
Ion Ratio Lower Upper
97 100
99 63.4 50.7 76.1
61 46.2 37.0 55.4





#33

1,2-Dichloroethane-d4

Concen: 47.536 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

Instrument :

MSVOA_N

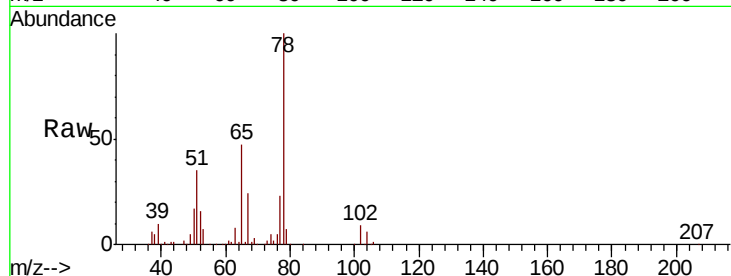
ClientSampleId :

Tot Ion: 65 Resp: 131449

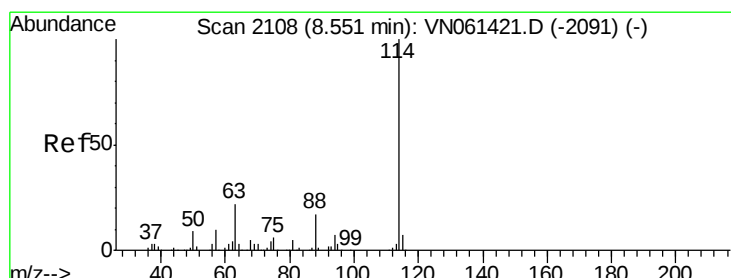
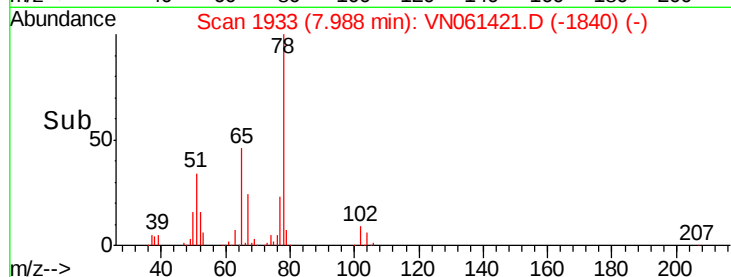
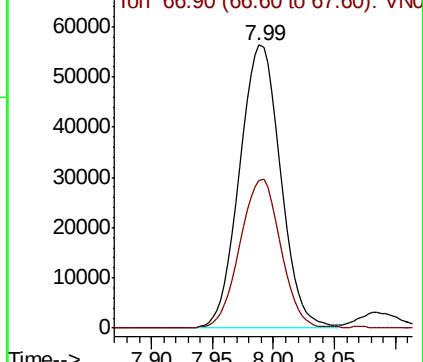
Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VN061421.D (-1915) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

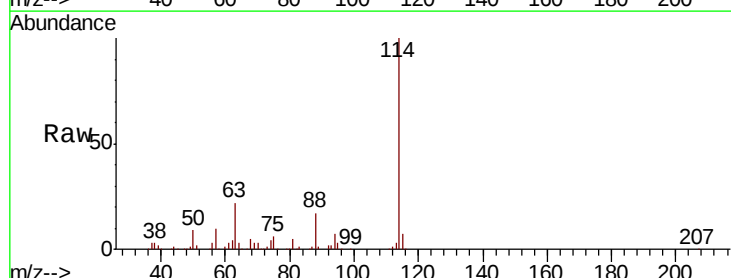
Tgt Ion: 114 Resp: 328017

Ion Ratio Lower Upper

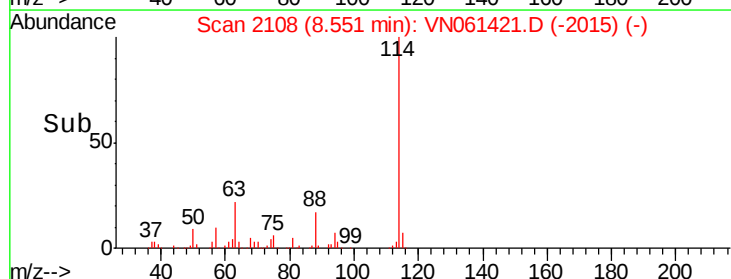
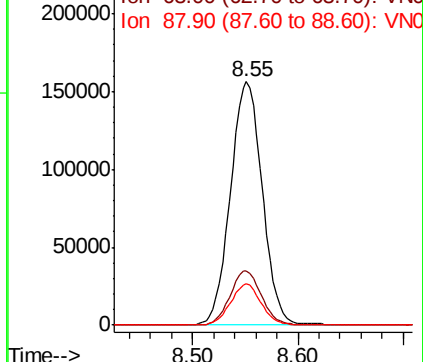
114 100

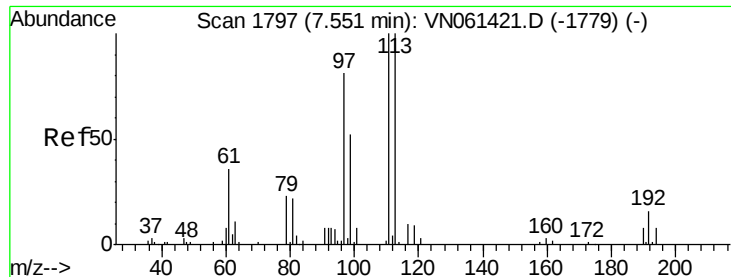
63 22.2 0.0 44.4

88 16.8 0.0 33.6



Abundance Ion 113.90 (113.60 to 114.60): VN061421.D (-2091) (-)

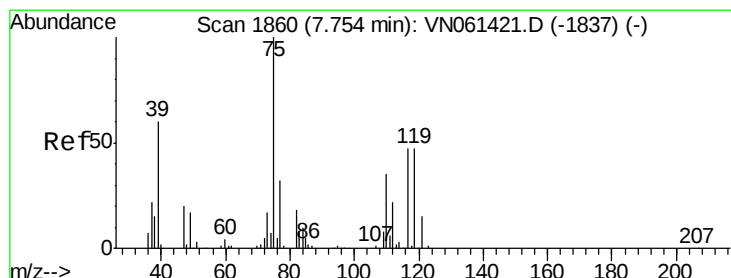
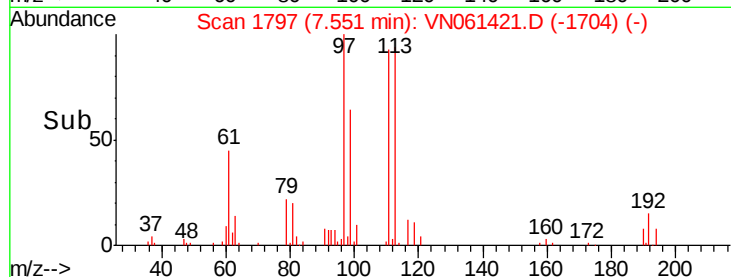
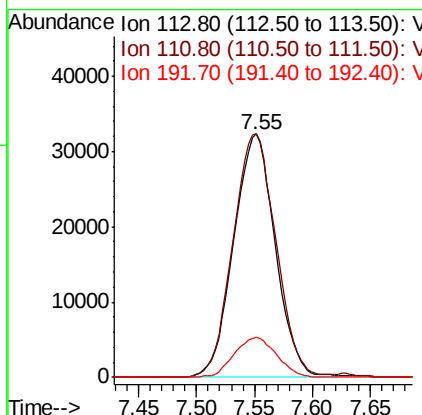
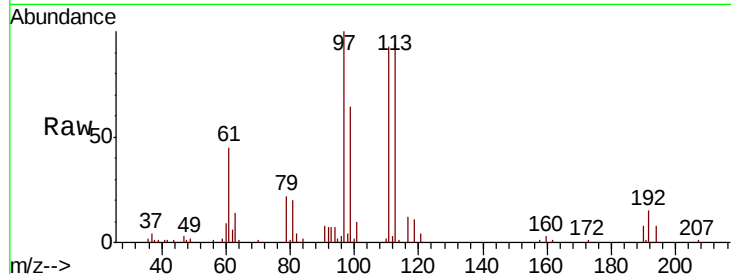




#35
Dibromofluoromethane
Concen: 42.625 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

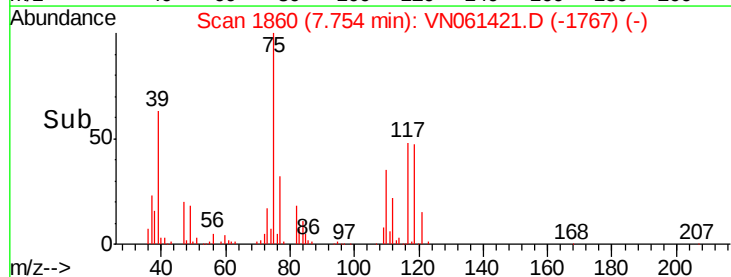
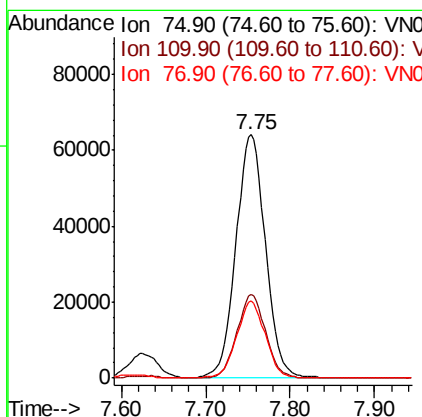
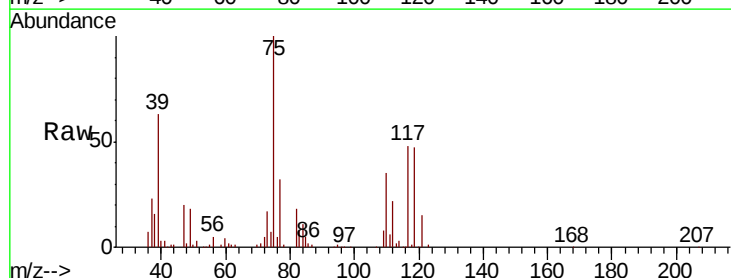
Instrument :
MSVOA_N
ClientSampleId :

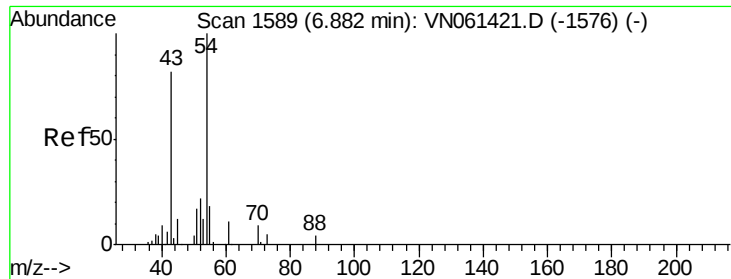
Tot Ion:113 Resp: 80363
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 16.7 13.4 20.0



#36
1,1-Dichloropropene
Concen: 47.944 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

Tgt Ion: 75 Resp: 155817
Ion Ratio Lower Upper
75 100
110 33.4 16.7 50.1
77 30.9 24.7 37.1

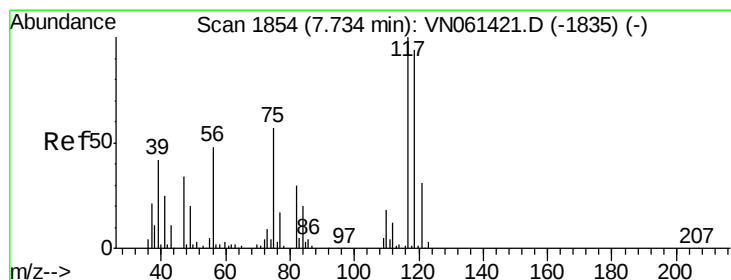
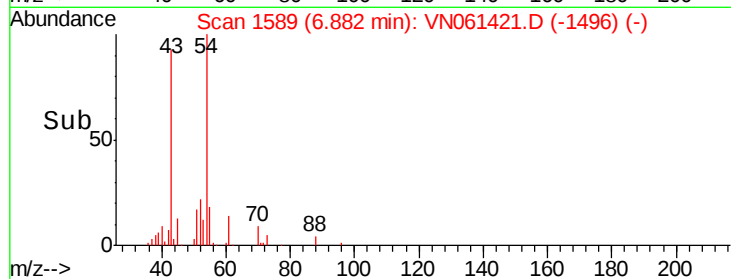
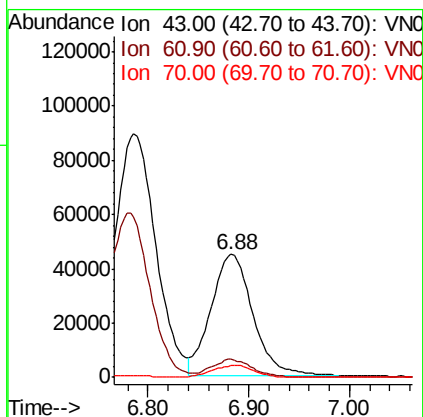
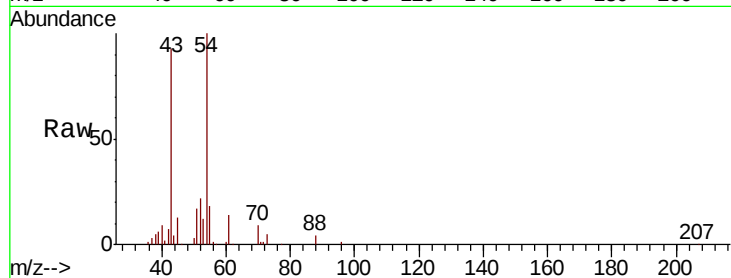




#37
Ethyl Acetate
Concen: 35.690 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

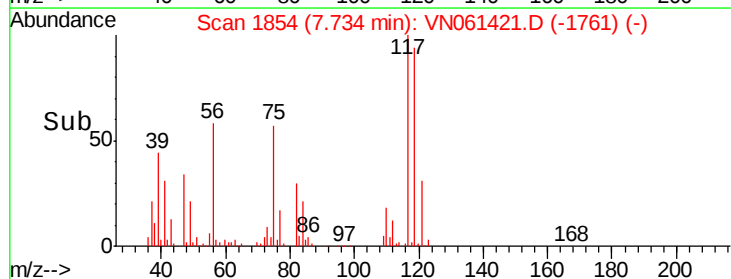
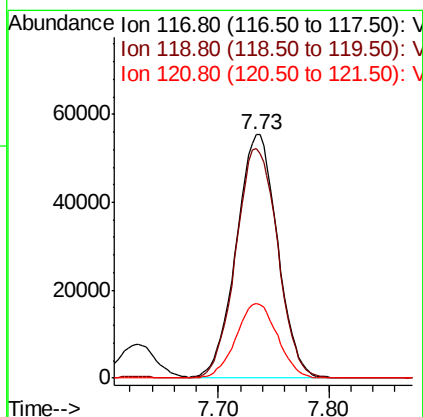
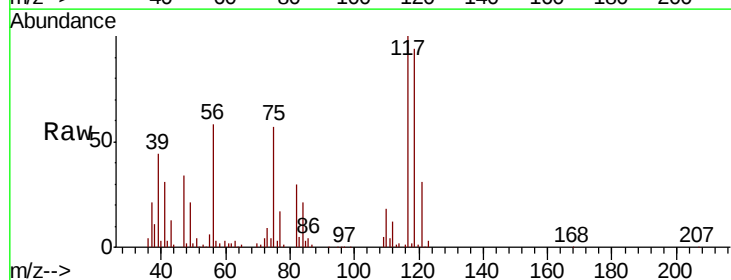
Instrument :
MSVOA_N
ClientSampled :

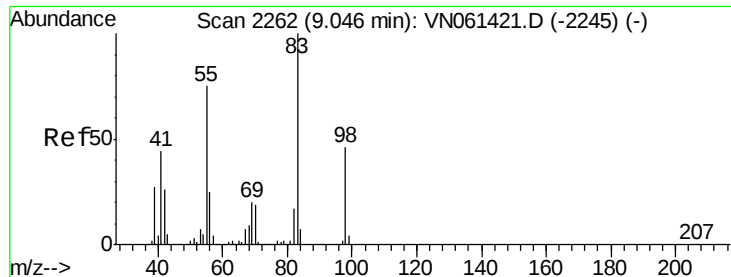
Tot Ion: 43 Resp: 129878
Ion Ratio Lower Upper
43 100
61 14.4 11.5 17.3
70 10.0 8.0 12.0



#38
Carbon Tetrachloride
Concen: 54.290 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

Tgt Ion: 117 Resp: 142613
Ion Ratio Lower Upper
117 100
119 94.4 75.5 113.3
121 30.7 24.6 36.8

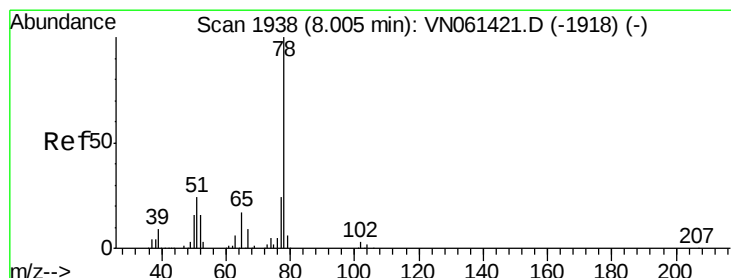
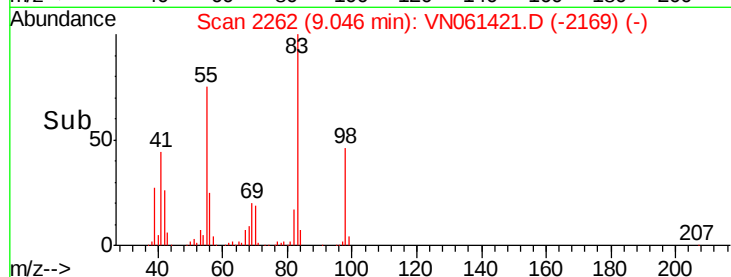
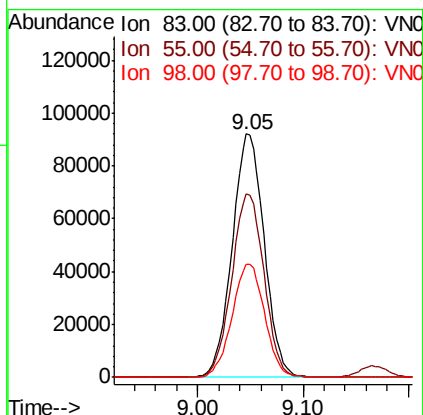
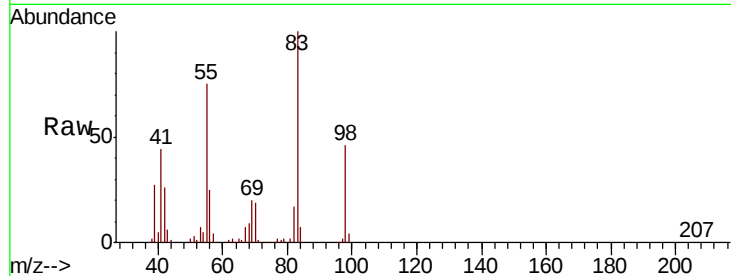




#39
Methvlcvclohexane
Concen: 52.377 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

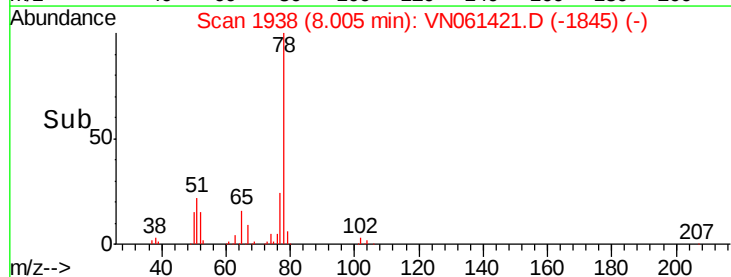
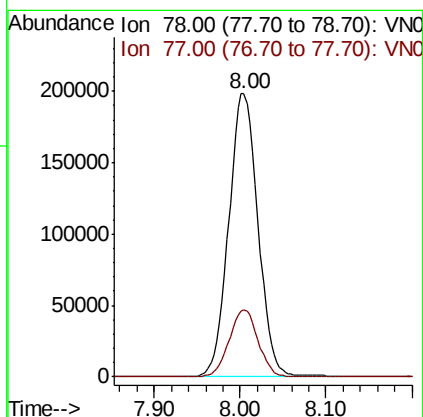
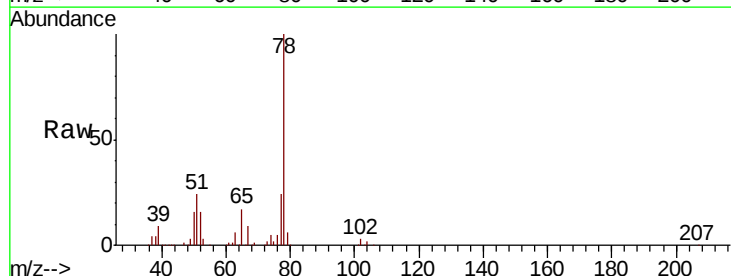
Instrument :
MSVOA_N
ClientSampled :

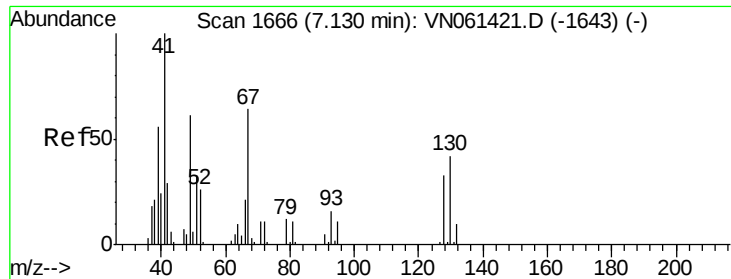
Tot Ion: 83 Resp: 193972
Ion Ratio Lower Upper
83 100
55 75.1 60.1 90.1
98 46.3 37.0 55.6



#40
Benzene
Concen: 48.208 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

Tgt Ion: 78 Resp: 469132
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6

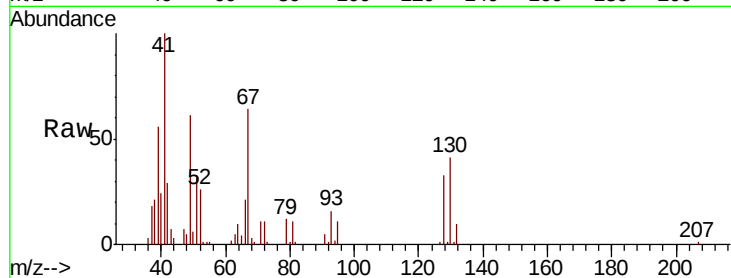




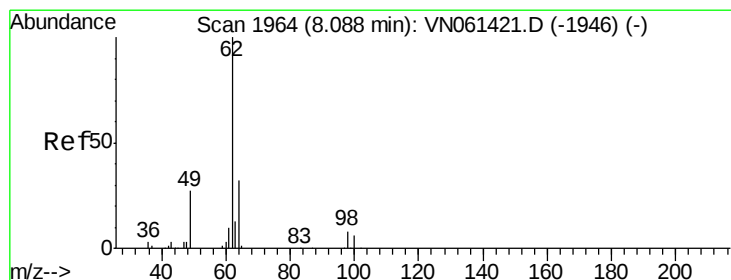
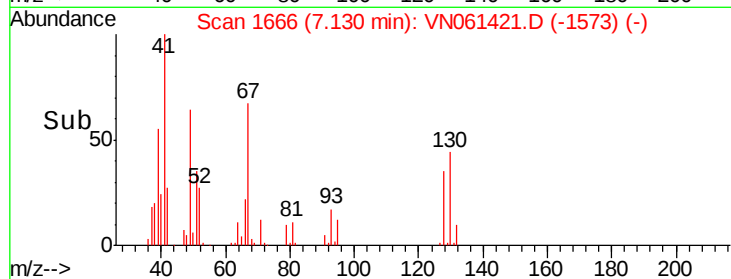
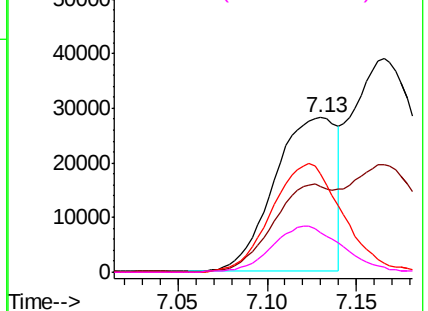
#41
Methacrylonitrile
Concen: 43.461 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 68256
Ion Ratio Lower Upper
41 100
39 52.8 42.2 63.4
67 80.9 64.7 97.1
52 34.3 27.4 41.2

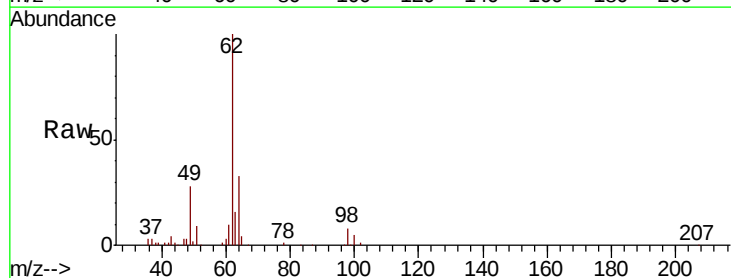


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

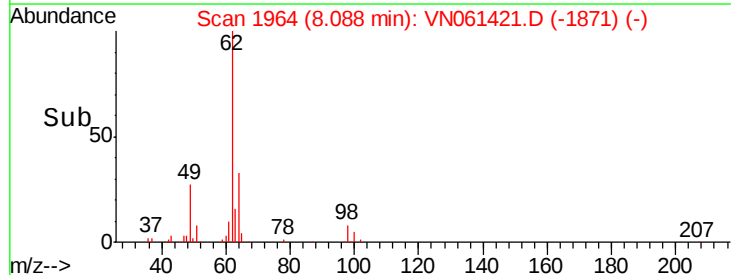
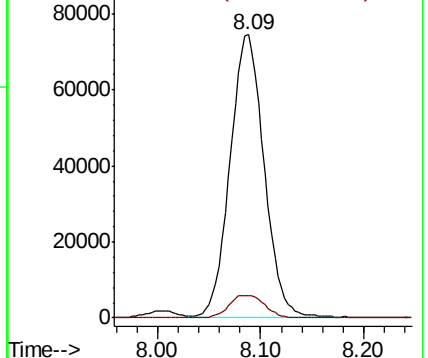


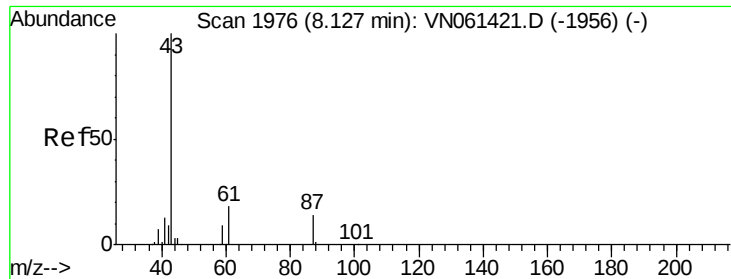
#42
1,2-Dichloroethane
Concen: 46.746 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

Tgt Ion: 62 Resp: 170811
Ion Ratio Lower Upper
62 100
98 8.5 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

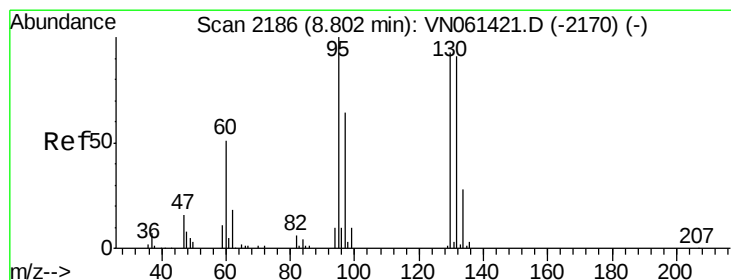
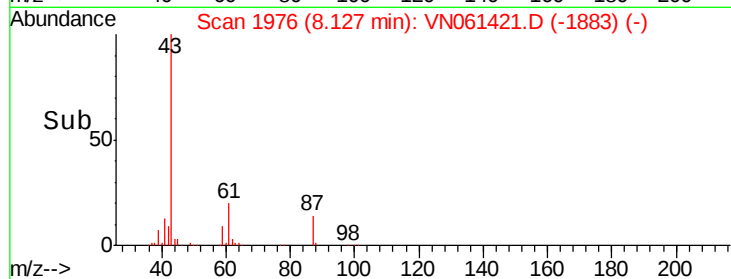
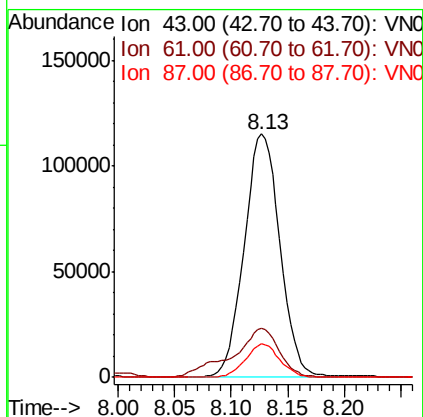
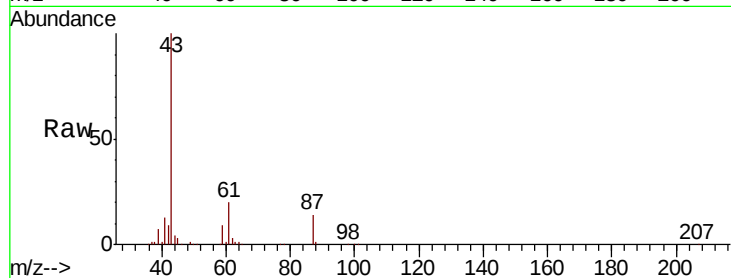




#43
Isopropyl Acetate
Concen: 41.008 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

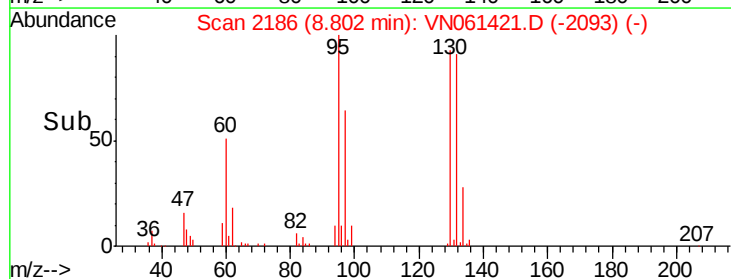
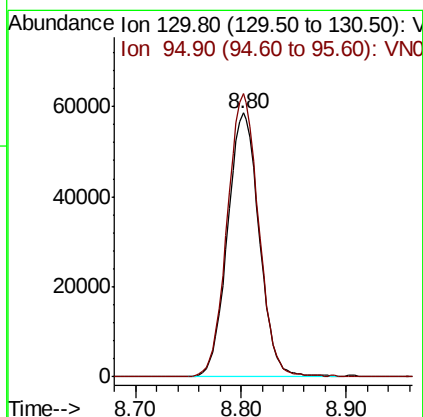
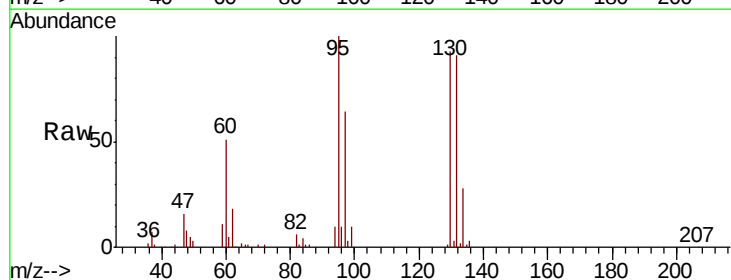
Instrument :
MSVOA_N
ClientSampleId :

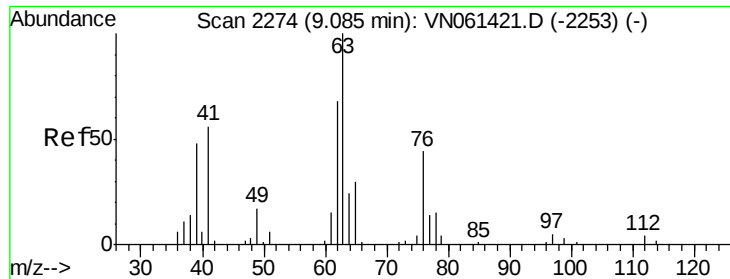
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.3	31.9
87	13.2	10.6	15.8



#44
Trichloroethene
Concen: 46.584 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.4	0.0	214.8





#45

1,2-Dichloropropane

Concen: 46.945 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

Instrument :

MSVOA_N

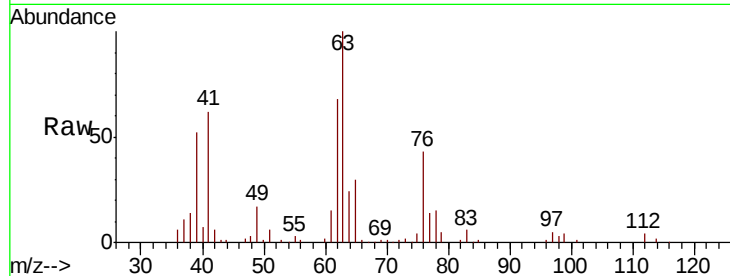
ClientSampleId :

Tot Ion: 63 Resp: 121204

Ion Ratio Lower Upper

63 100

65 29.9 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VN061421.D (-2253) (-)

Ion 64.90 (64.60 to 65.60): VN061421.D (-2253) (-)

9.08

60000

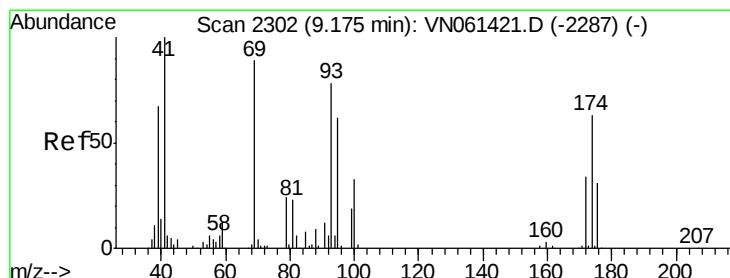
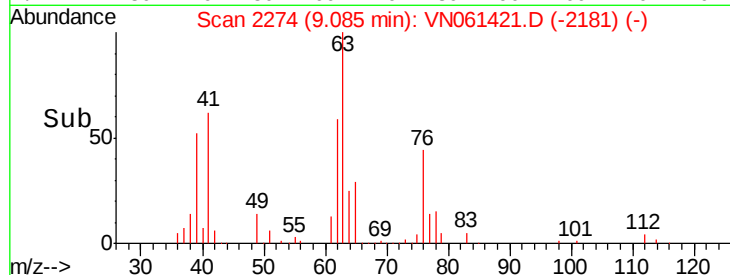
40000

20000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 50.978 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

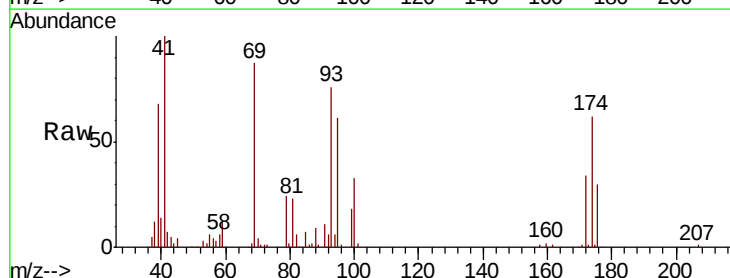
Tgt Ion: 93 Resp: 82260

Ion Ratio Lower Upper

93 100

95 81.6 65.3 97.9

174 82.7 66.2 99.2



Abundance Ion 92.80 (92.50 to 93.50): VN061421.D (-2287) (-)

Ion 94.80 (94.50 to 95.50): VN061421.D (-2287) (-)

Ion 173.70 (173.40 to 174.40): VN061421.D (-2287) (-)

9.17

50000

40000

30000

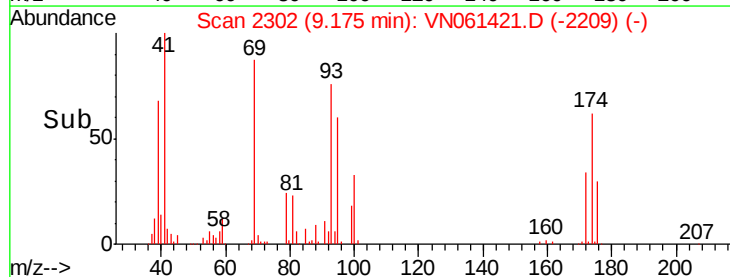
20000

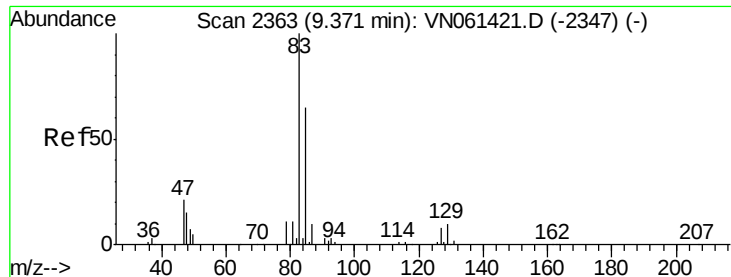
10000

0

9.10 9.20 9.30

Time-->





#47

Bromodichloromethane

Concen: 49.577 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

Instrument :

MSVOA_N

ClientSampled :

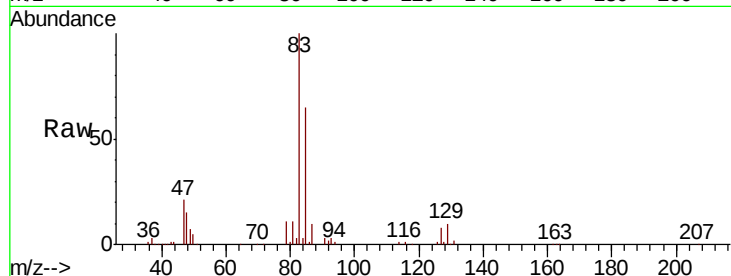
Tot Ion: 83 Resp: 171569

Ion Ratio Lower Upper

83 100

85 65.1 52.1 78.1

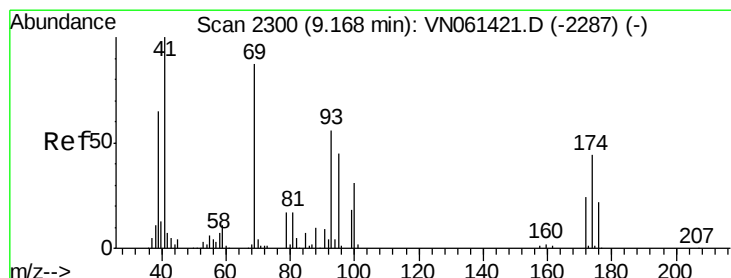
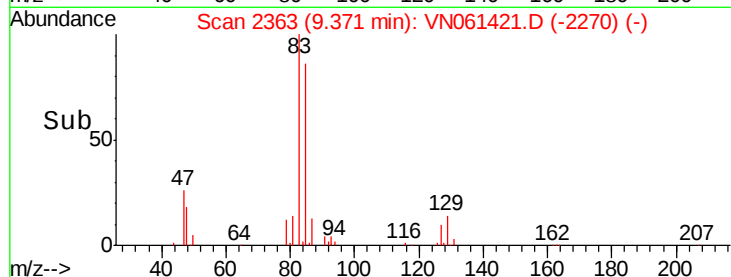
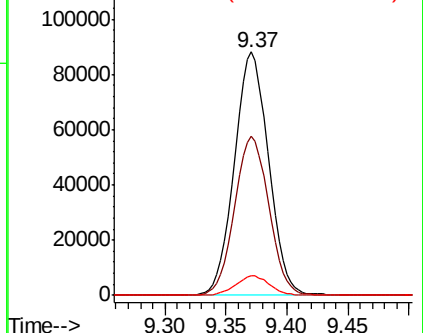
127 7.9 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN061421.D (-2347) (-)

Ion 84.90 (84.60 to 85.60): VN061421.D (-2347) (-)

Ion 126.80 (126.50 to 127.50): VN061421.D (-2347) (-)



#48

Methyl methacrylate

Concen: 41.712 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

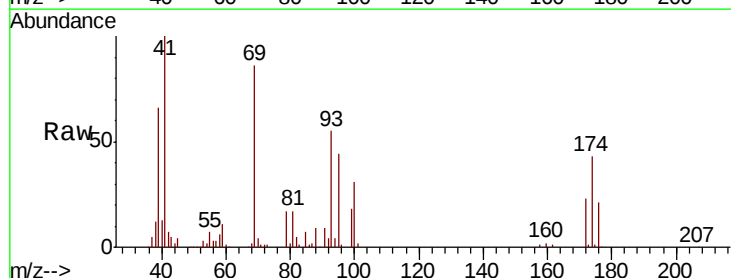
Tgt Ion: 41 Resp: 115685

Ion Ratio Lower Upper

41 100

69 88.9 71.1 106.7

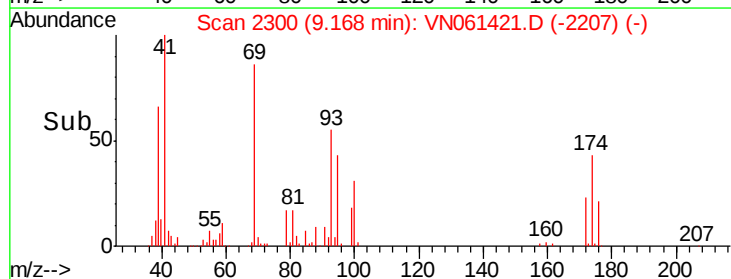
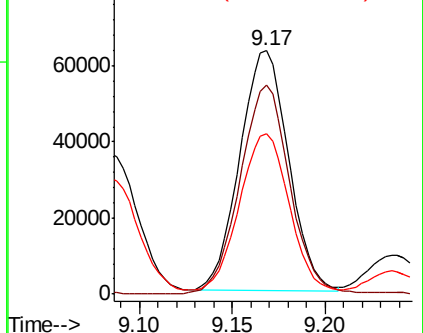
39 68.5 54.8 82.2

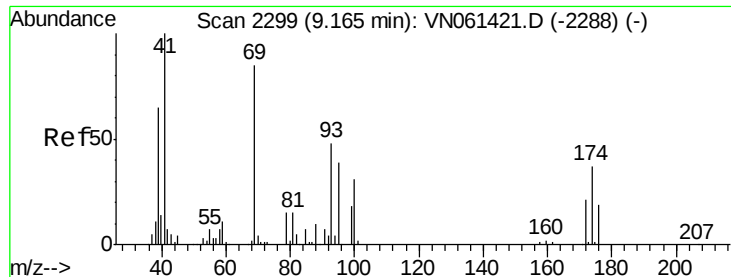


Abundance Ion 41.00 (40.70 to 41.70): VN061421.D (-2287) (-)

Ion 69.00 (68.70 to 69.70): VN061421.D (-2287) (-)

Ion 39.00 (38.70 to 39.70): VN061421.D (-2287) (-)

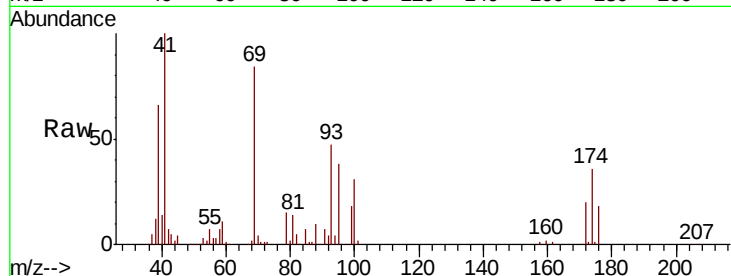




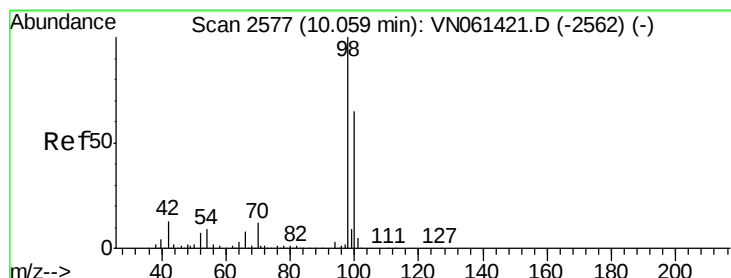
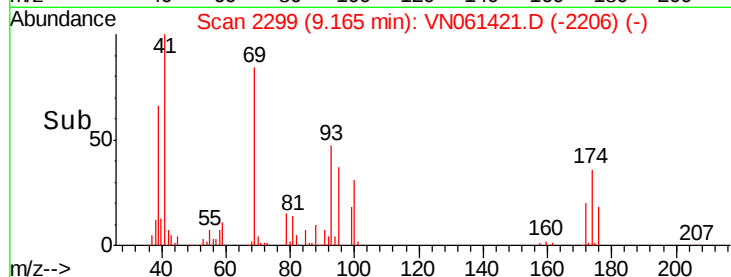
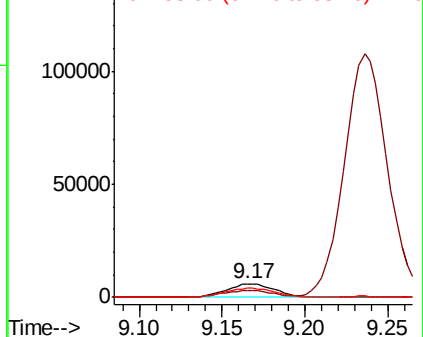
#49
 1,4-Dioxane
 Concen: 412.090 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 12260
 Ion Ratio Lower Upper
 88 100
 43 48.6 38.9 58.3
 58 69.4 55.5 83.3

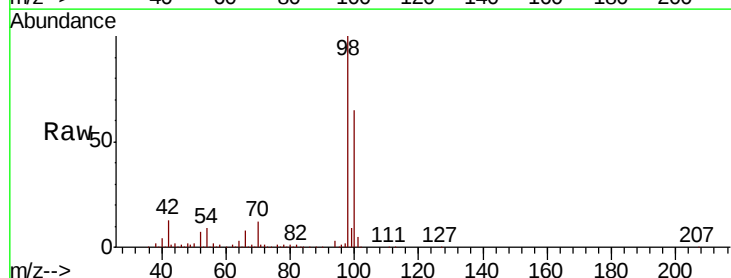


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

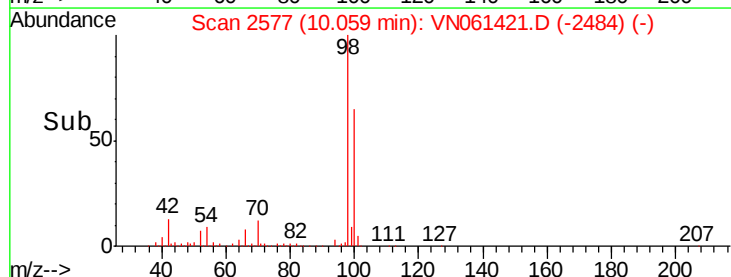
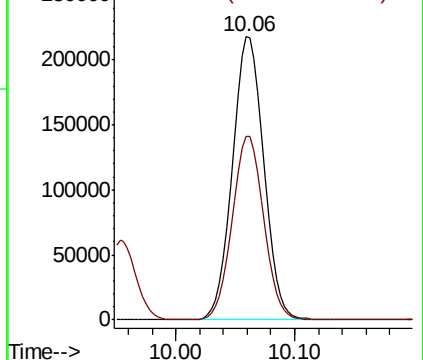


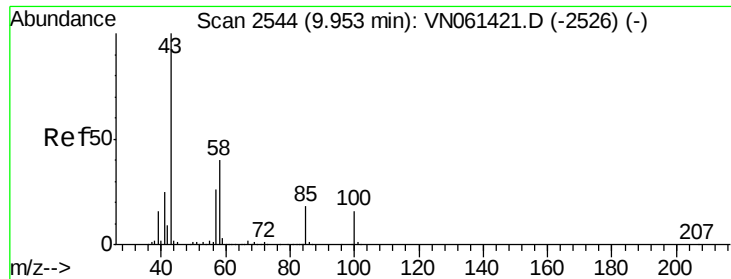
#50
 Toluene-d8
 Concen: 50.041 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

Tgt Ion: 98 Resp: 398625
 Ion Ratio Lower Upper
 98 100
 100 65.0 52.0 78.0



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

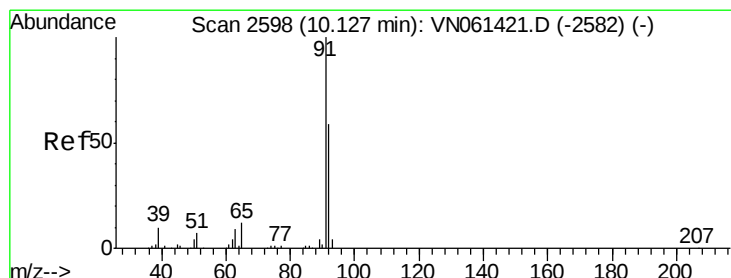
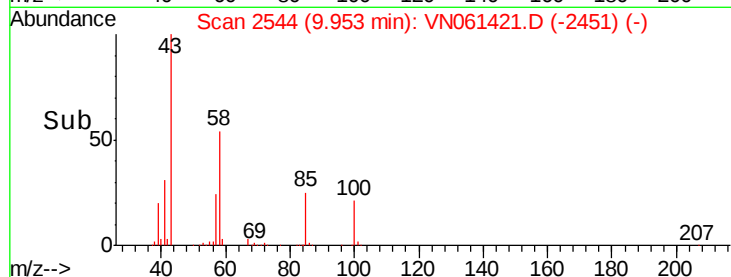
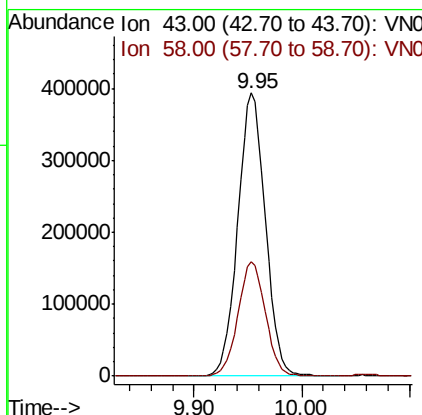
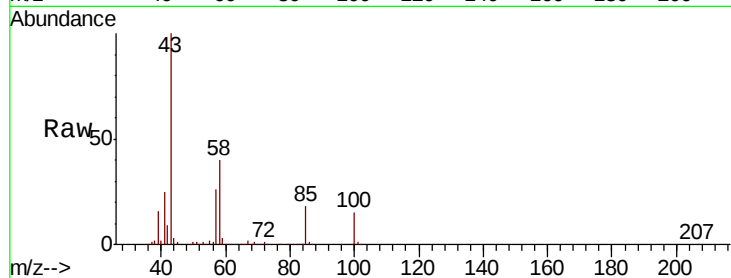




#51
 4-Methyl-2-Pentanone
 Concen: 196.006 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

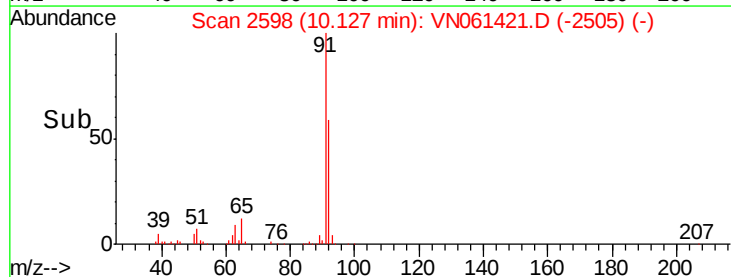
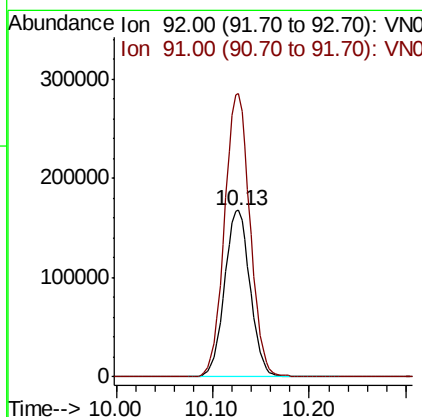
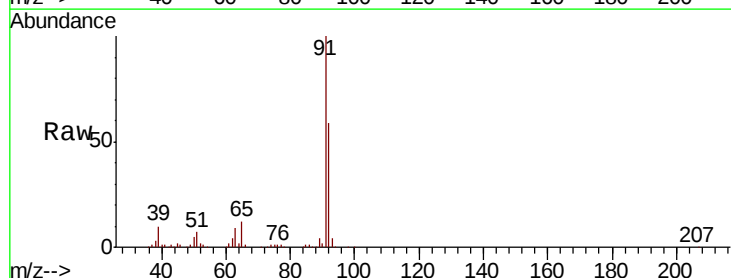
Instrument :
 MSVOA_N
 ClientSampled :

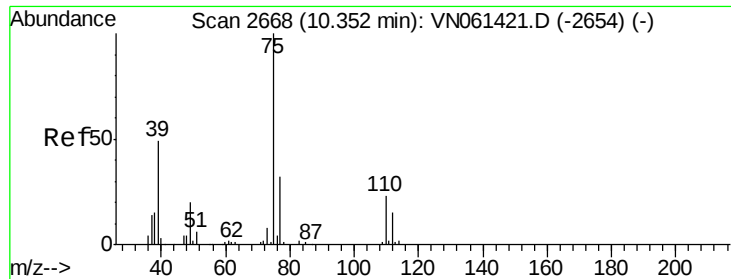
Tot Ion: 43 Resp: 700695
 Ion Ratio Lower Upper
 43 100
 58 40.3 32.2 48.4



#52
 Toluene
 Concen: 52.083 ug/l
 RT: 10.13 min Scan# 2598
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

Tgt Ion: 92 Resp: 307898
 Ion Ratio Lower Upper
 92 100
 91 169.4 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 49.629 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

Instrument :

MSVOA_N

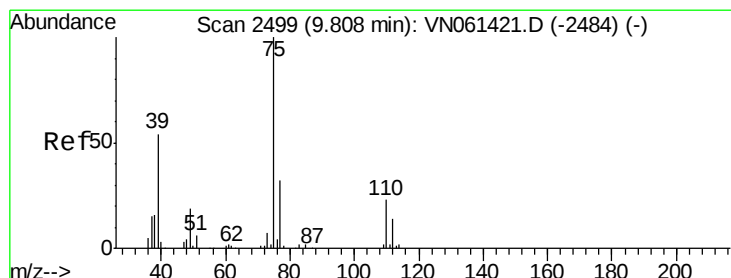
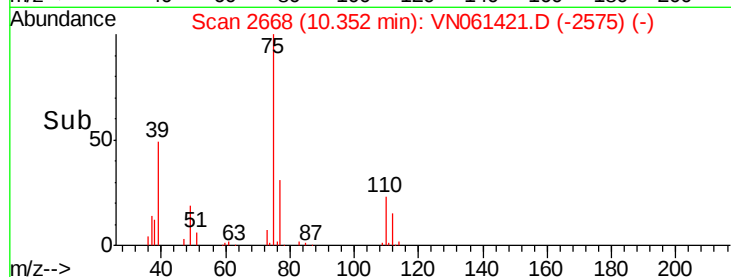
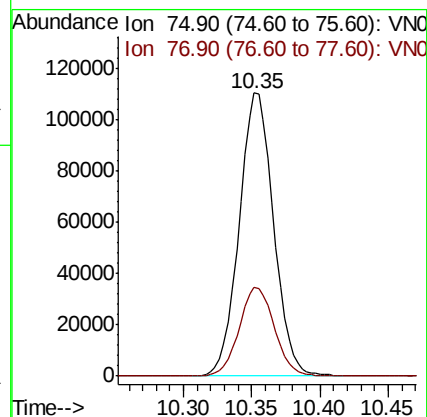
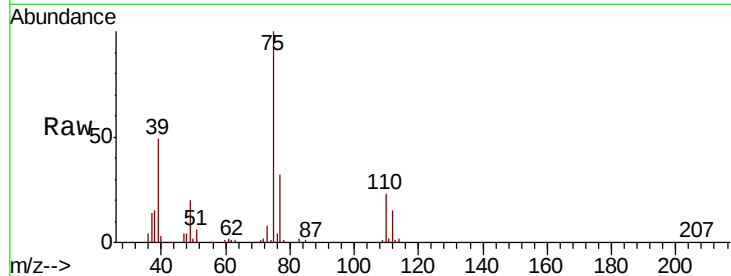
ClientSampleId :

Tot Ion: 75 Resp: 193537

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 48.667 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

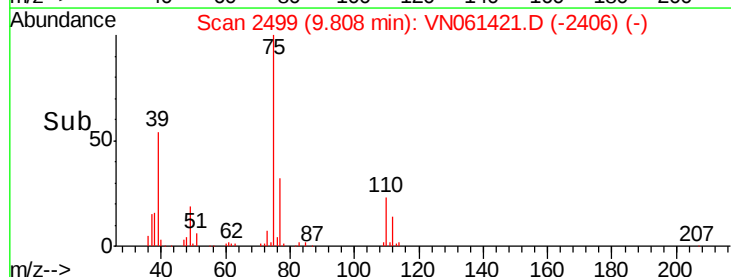
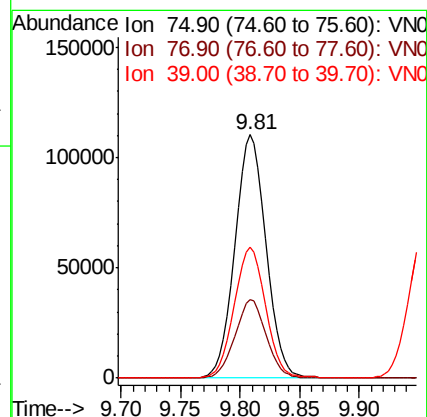
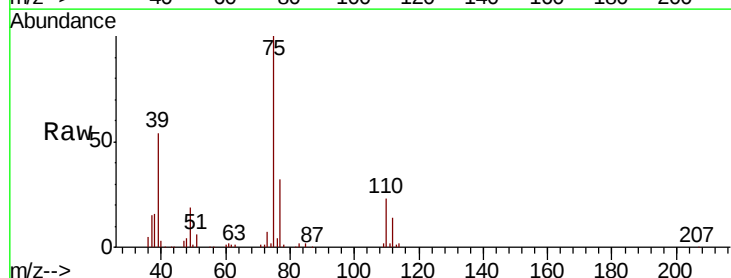
Tgt Ion: 75 Resp: 200448

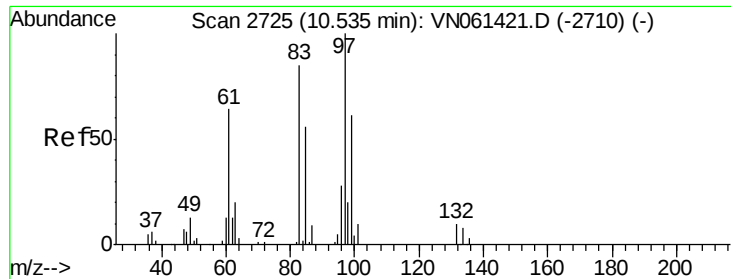
Ion Ratio Lower Upper

75 100

77 32.5 26.0 39.0

39 53.8 43.0 64.6

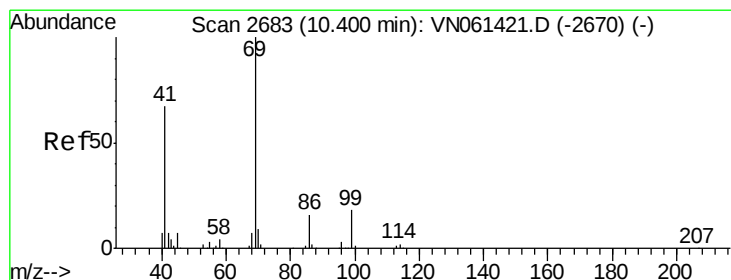
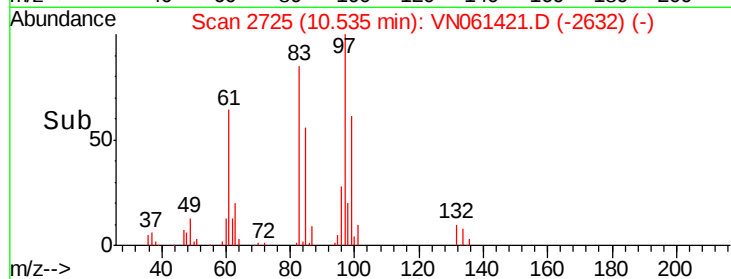
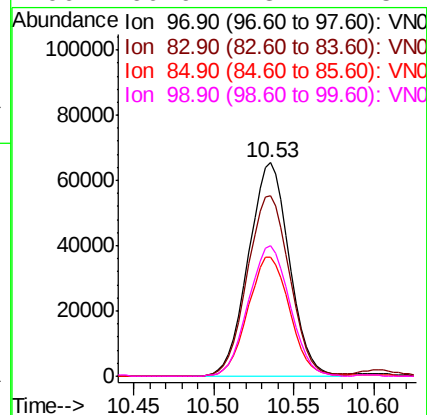
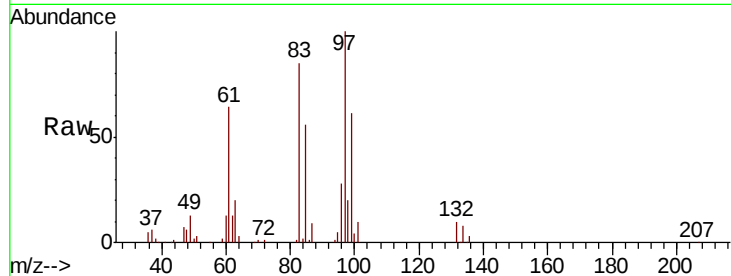




#55
 1,1,2-Trichloroethane
 Concen: 49.149 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

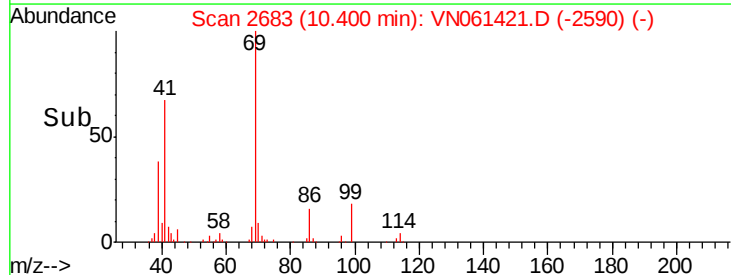
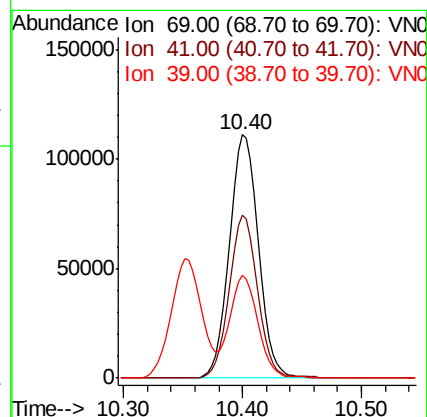
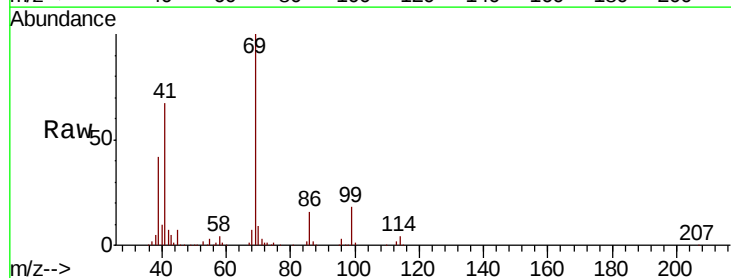
Instrument :
 MSVOA_N
 ClientSampled :

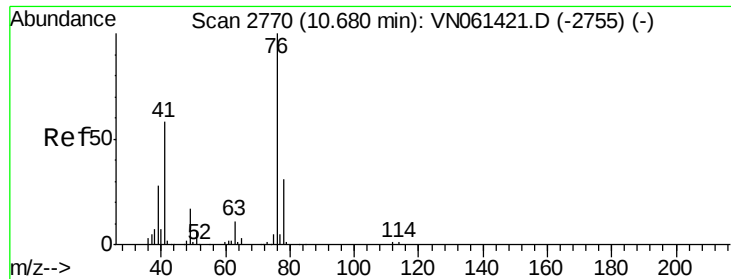
Tot Ion	97	Resp	115128
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.7	101.5
85	55.7	44.6	66.8
99	60.9	48.7	73.1



#56
 Ethyl methacrylate
 Concen: 53.279 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

Tgt Ion	69	Resp	188214
Ion	Ratio	Lower	Upper
69	100		
41	64.5	51.6	77.4
39	41.1	32.9	49.3

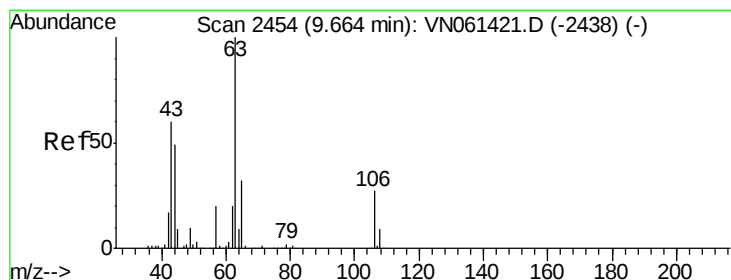
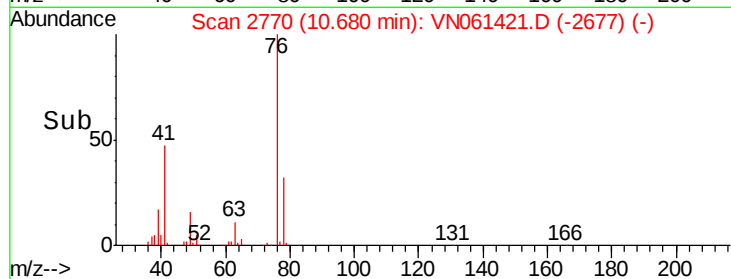
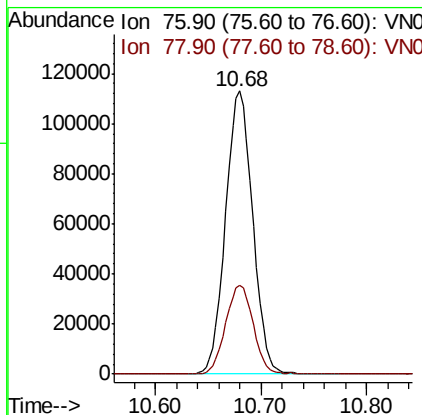
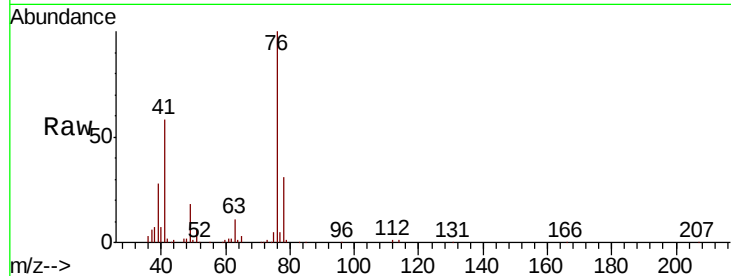




#57
 1,3-Dichloropropane
 Concen: 49.115 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

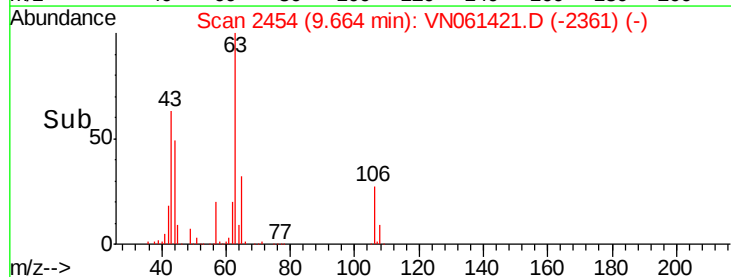
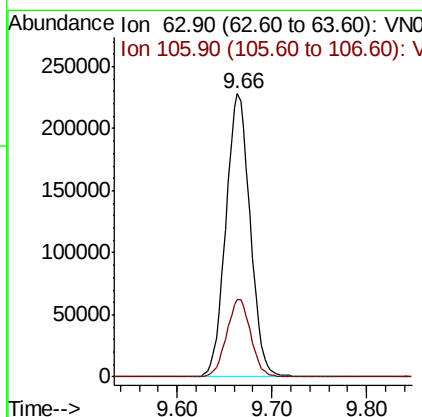
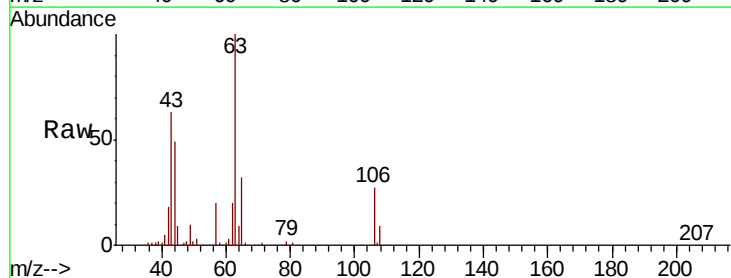
Instrument :
 MSVOA_N
 ClientSampled :

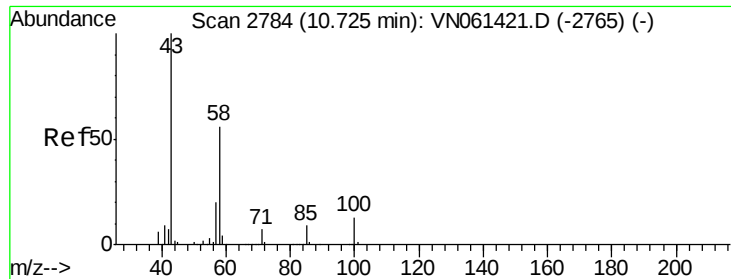
Tot Ion: 76 Resp: 201088
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 220.206 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

Tgt Ion: 63 Resp: 407668
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.7 32.5

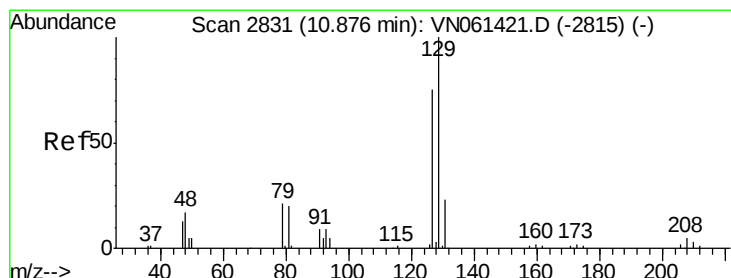
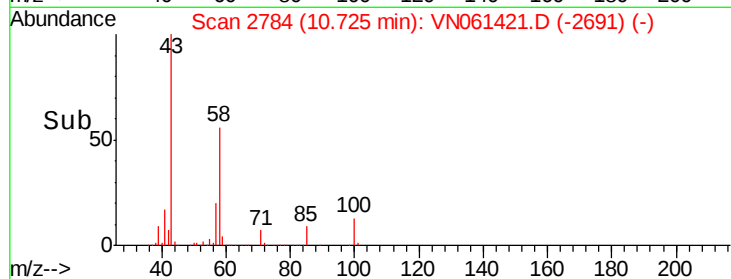
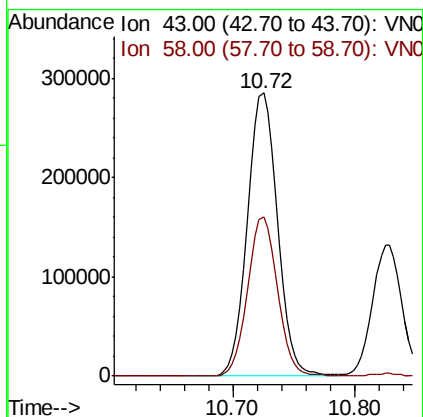
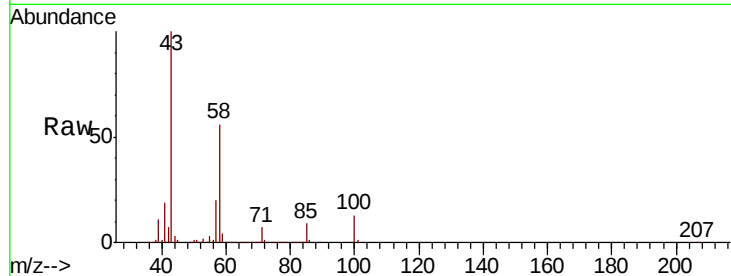




#59
2-Hexanone
Concen: 187.613 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

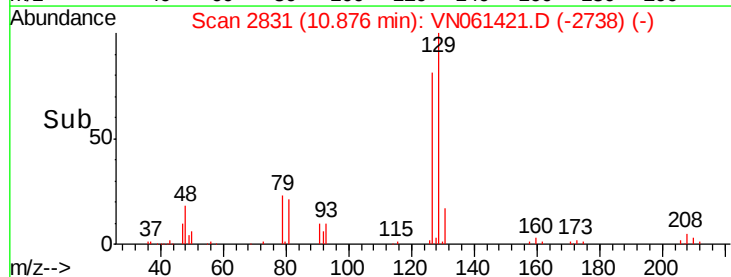
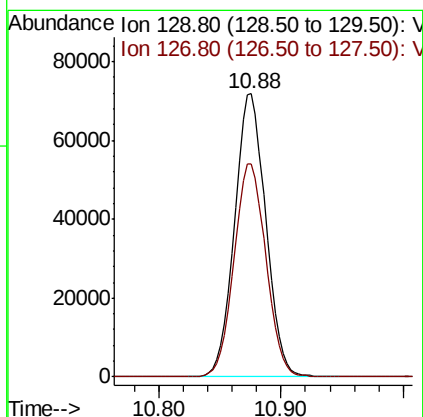
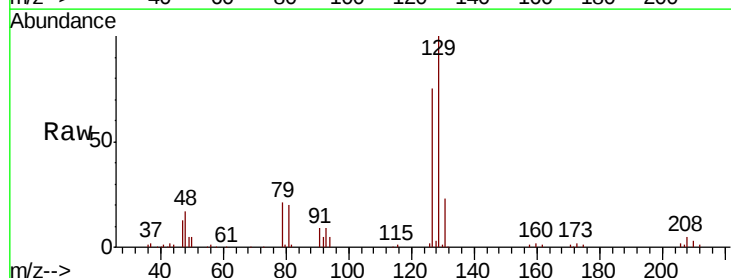
Instrument :
MSVOA_N
ClientSampleId :

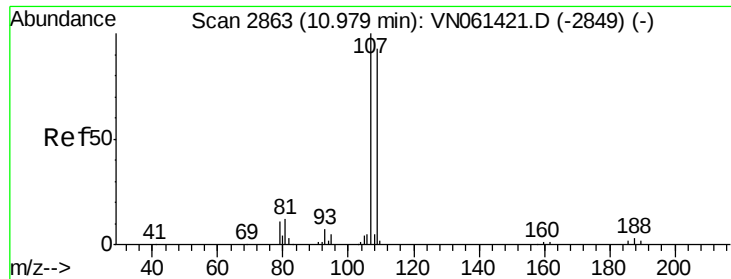
Tot Ion: 43 Resp: 483481
Ion Ratio Lower Upper
43 100
58 55.8 27.9 83.7



#60
Dibromochloromethane
Concen: 51.543 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

Tgt Ion: 129 Resp: 127255
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3

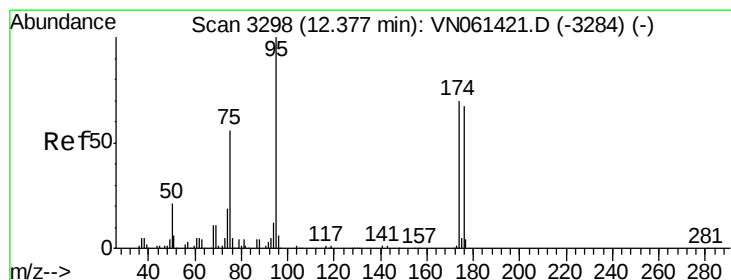
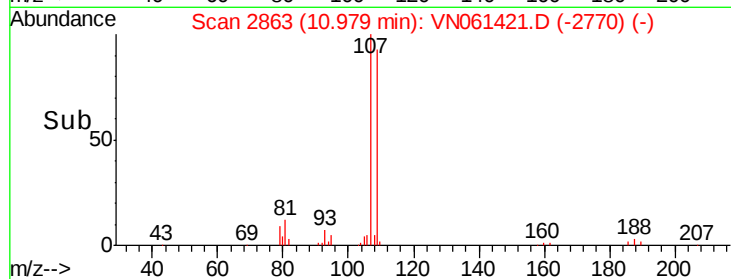
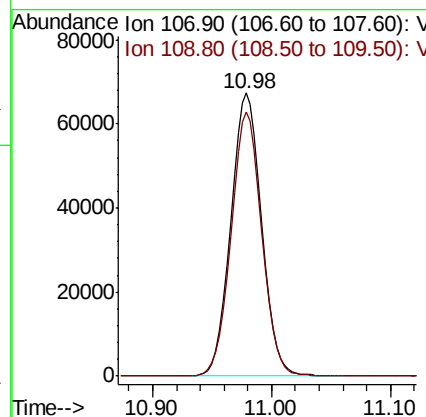
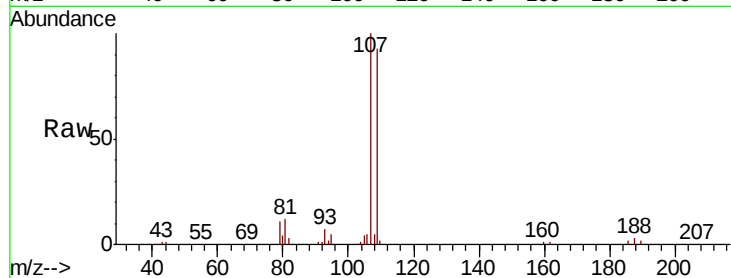




#61
 1,2-Dibromoethane
 Concen: 51.139 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

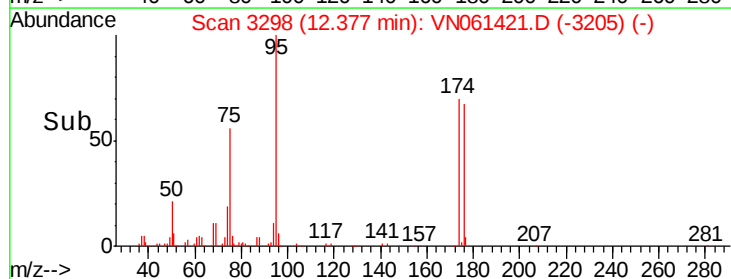
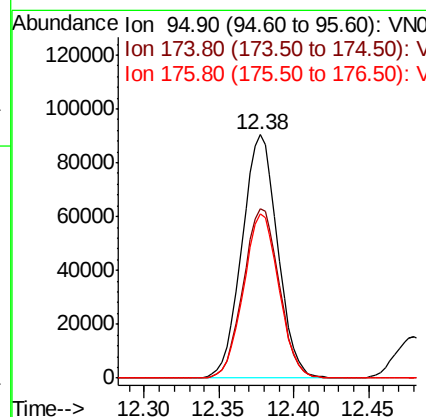
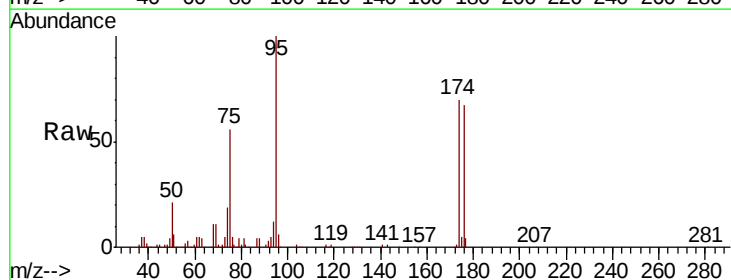
Instrument :
 MSVOA_N
 ClientSampleId :

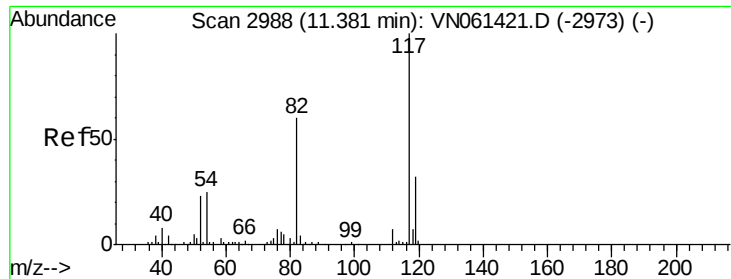
Tot Ion:107 Resp: 120202
 Ion Ratio Lower Upper
 107 100
 109 93.1 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 50.008 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

Tgt Ion: 95 Resp: 149971
 Ion Ratio Lower Upper
 95 100
 174 70.2 0.0 140.4
 176 67.0 0.0 134.0

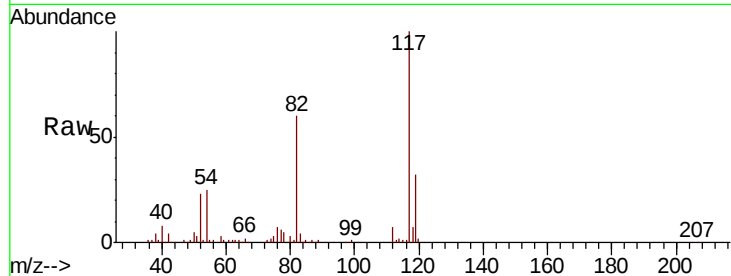




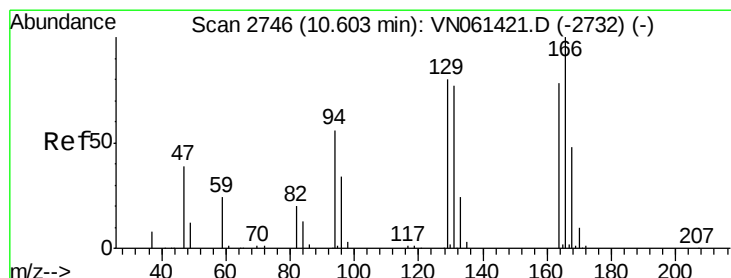
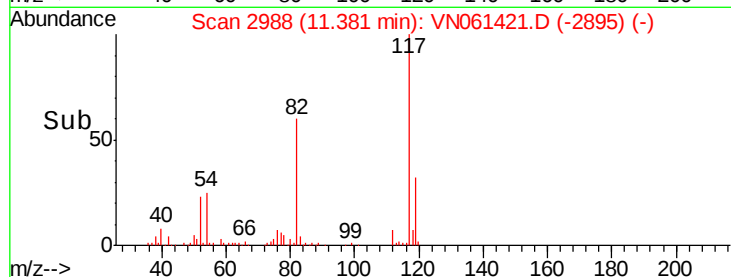
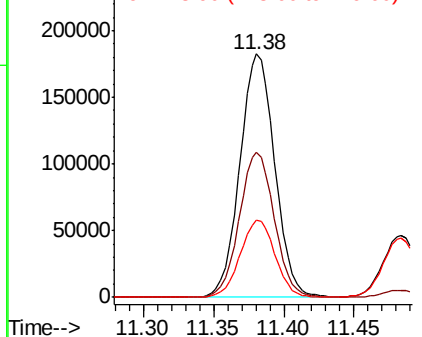
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 316779
Ion Ratio Lower Upper
117 100
82 59.6 47.7 71.5
119 31.6 25.3 37.9

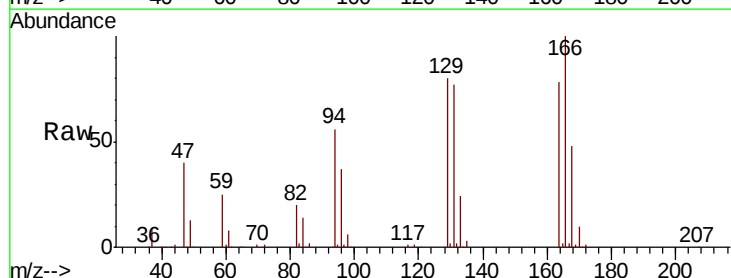


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

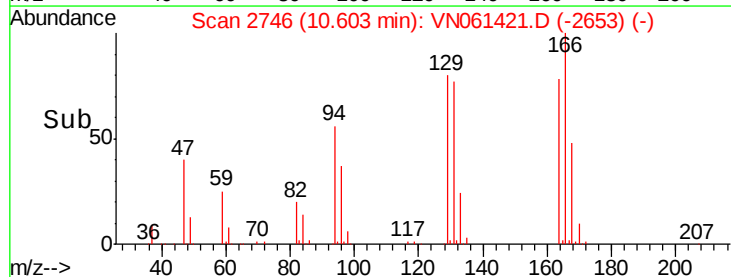
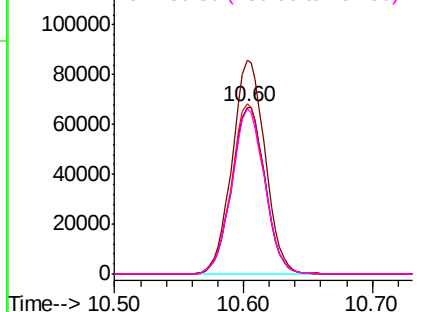


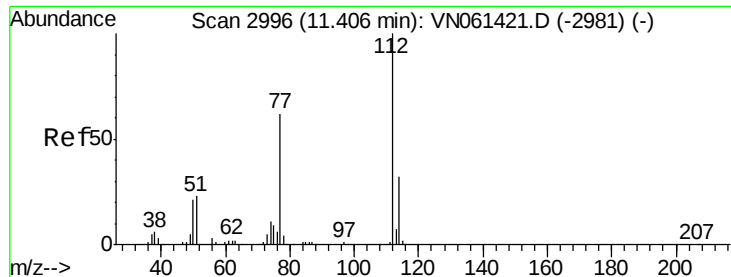
#64
Tetrachloroethene
Concen: 44.611 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

Tgt Ion:164 Resp: 120161
Ion Ratio Lower Upper
164 100
166 128.3 102.6 154.0
129 102.4 81.9 122.9
131 99.2 79.4 119.0



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

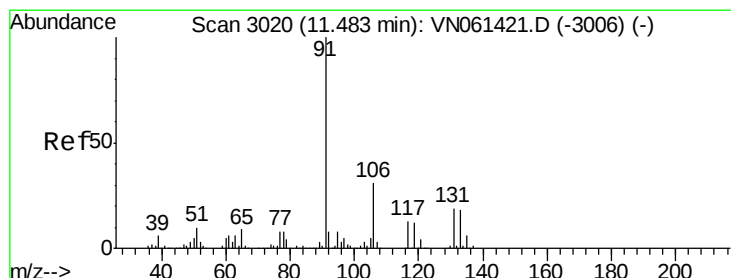
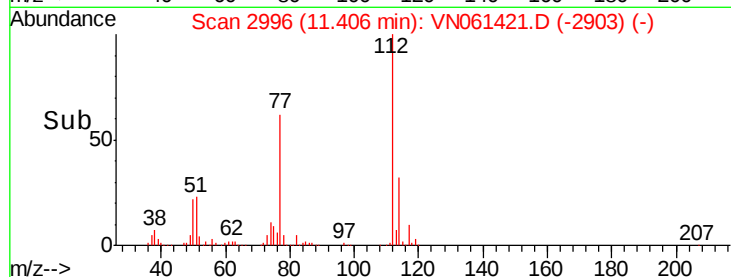
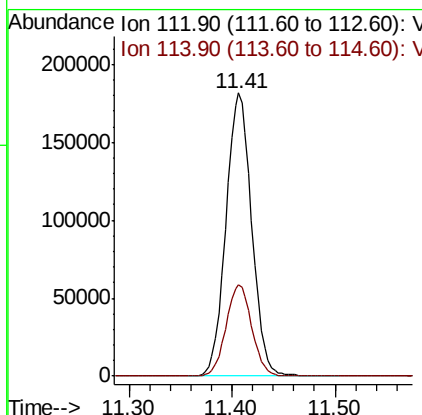
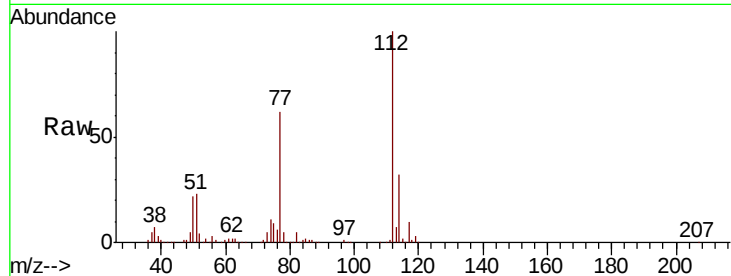




#65
Chlorobenzene
Concen: 50.148 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

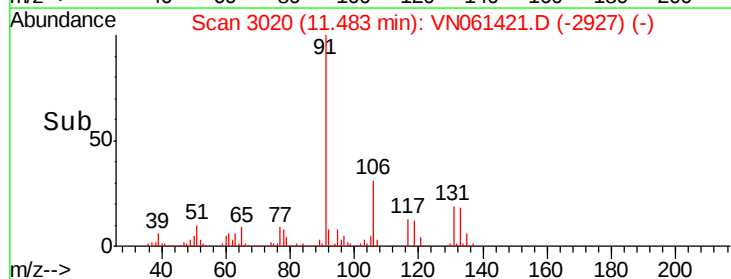
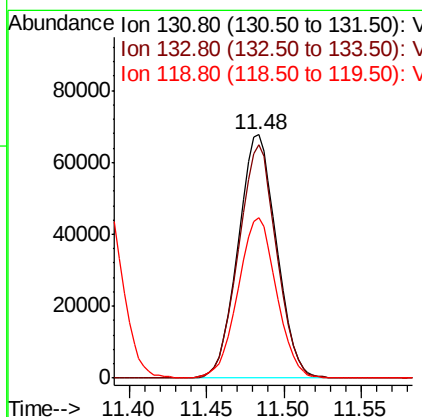
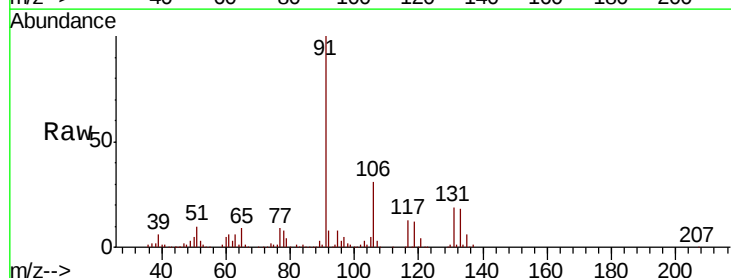
Instrument :
MSVOA_N
ClientSampled :

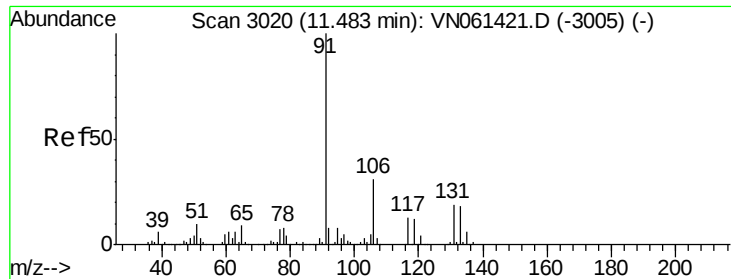
Tot Ion:112 Resp: 315631
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.810 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

Tgt Ion:131 Resp: 117020
Ion Ratio Lower Upper
131 100
133 95.0 47.5 142.5
119 65.9 33.0 98.9

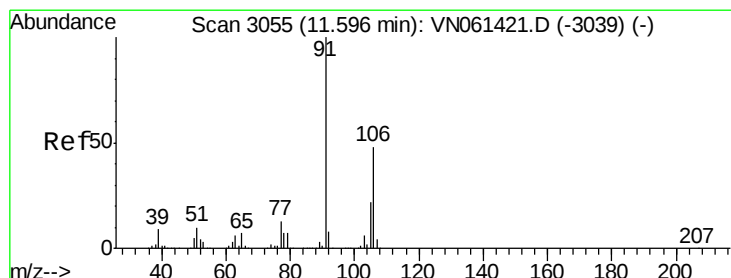
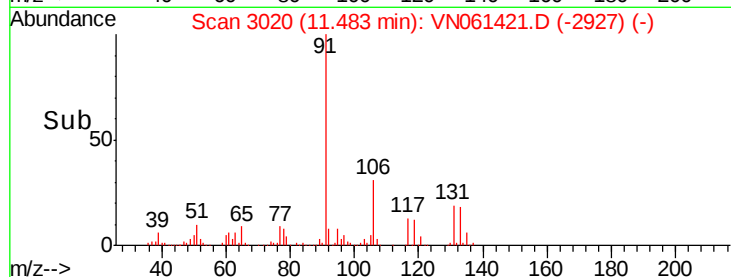
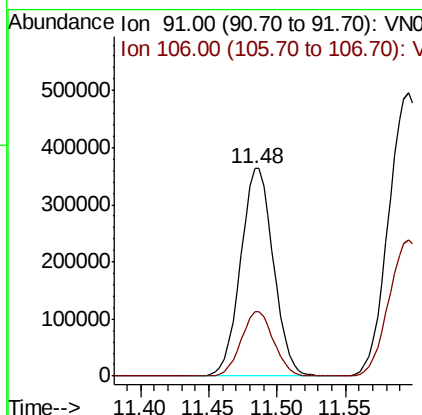
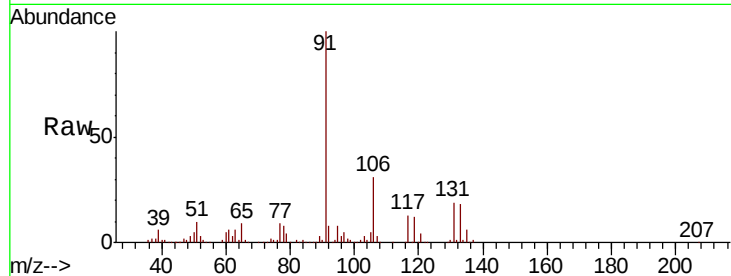




#67
Ethyl Benzene
Concen: 51.490 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

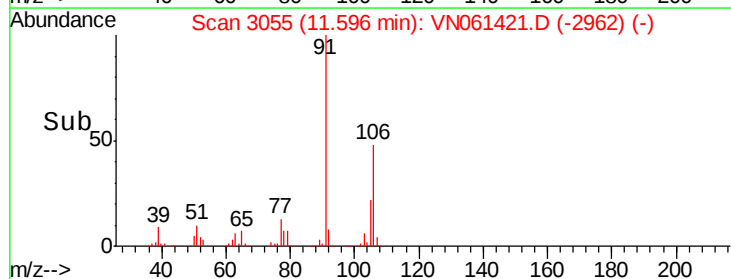
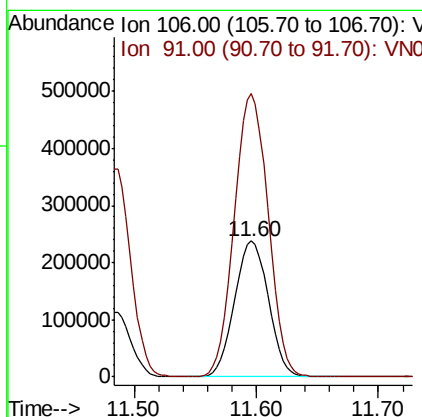
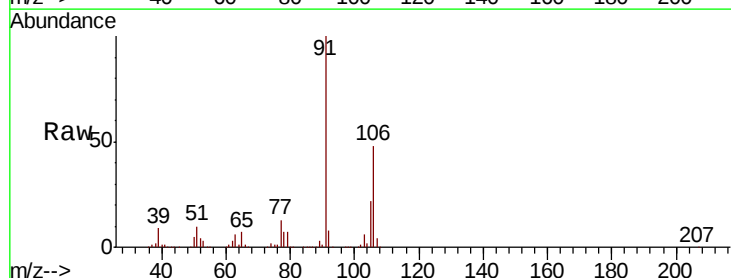
Instrument :
MSVOA_N
ClientSampleId :

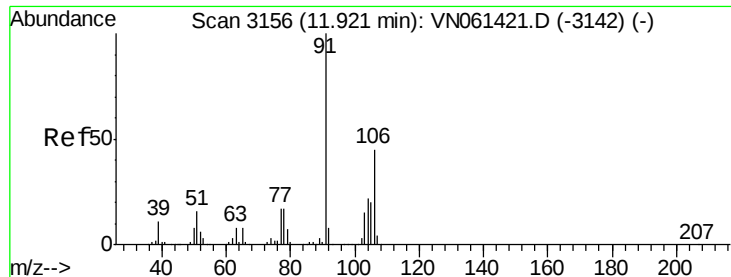
Tot Ion: 91 Resp: 606927
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2



#68
m/p-Xylenes
Concen: 105.390 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

Tgt Ion: 106 Resp: 456069
Ion Ratio Lower Upper
106 100
91 209.3 167.4 251.2

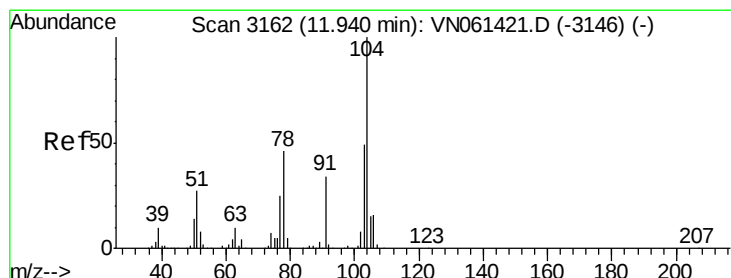
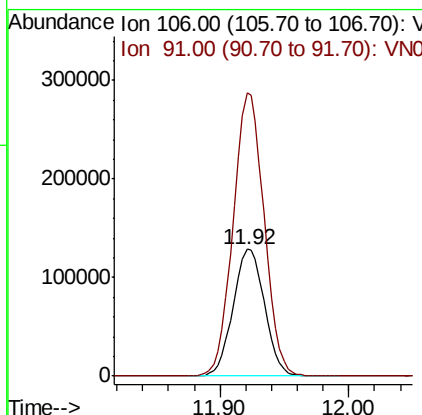
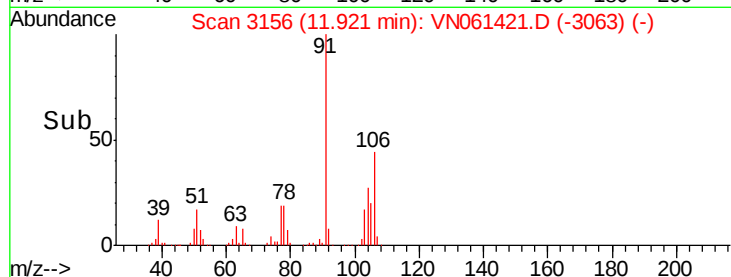
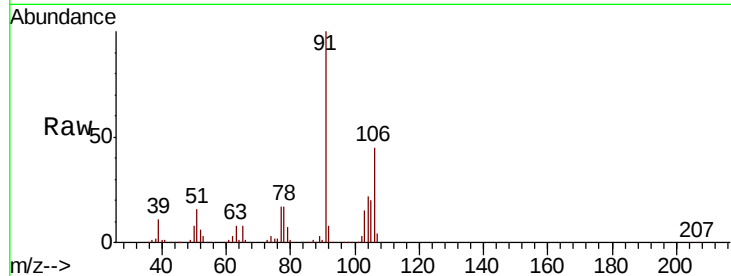




#69
o-Xylene
Concen: 52.434 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

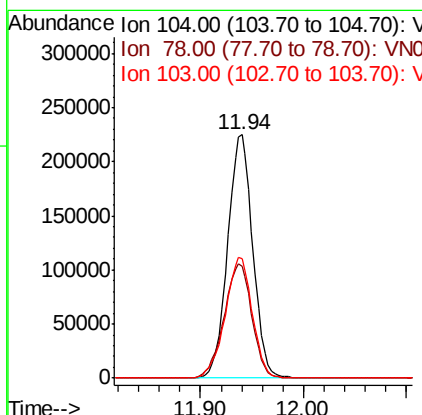
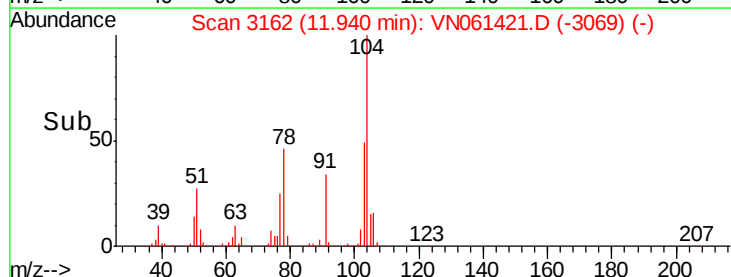
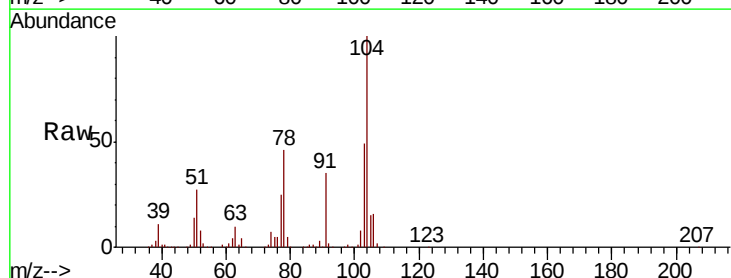
Instrument :
MSVOA_N
ClientSampled :

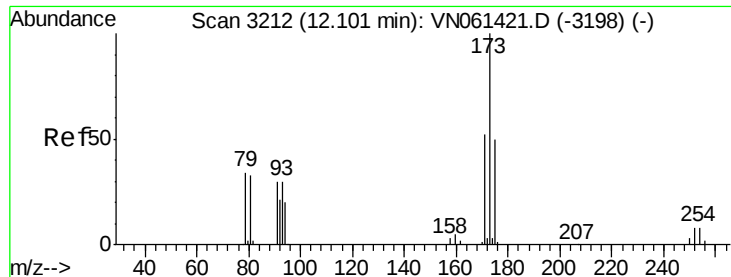
Tot Ion:106 Resp: 217967
Ion Ratio Lower Upper
106 100
91 219.5 109.7 329.2



#70
Styrene
Concen: 54.557 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

Tgt Ion:104 Resp: 381080
Ion Ratio Lower Upper
104 100
78 52.3 41.8 62.8
103 53.6 42.9 64.3





#71

Bromoform

Concen: 50.150 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

Instrument :

MSVOA_N

ClientSampled :

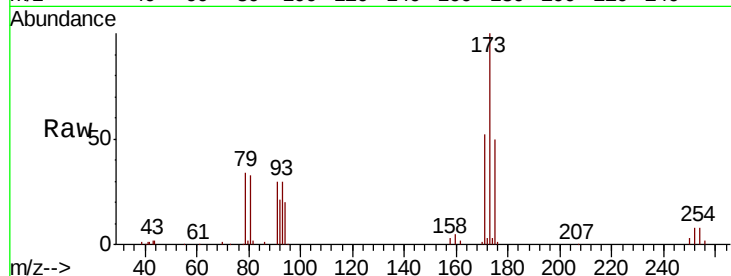
Tot Ion:173 Resp: 82110

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.4

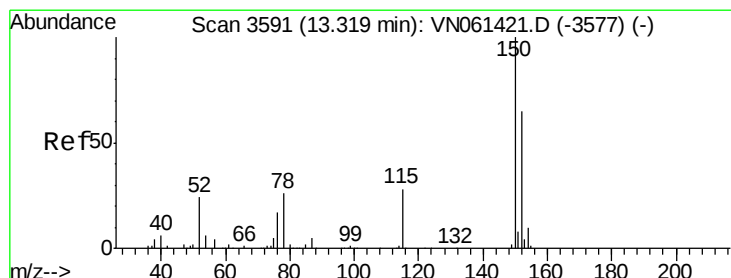
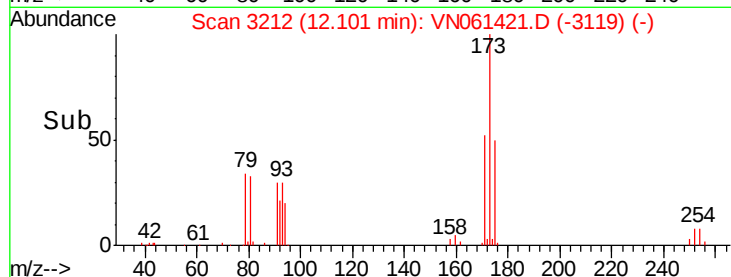
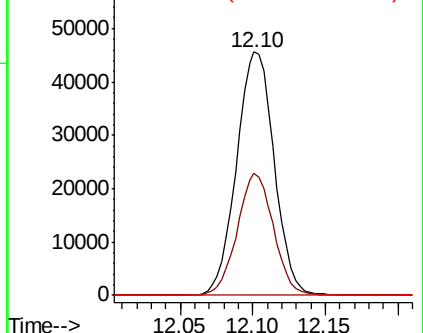
254 0.0 0.0 0.0



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: VN061421.D

Acq: 15 May 2020 21:45

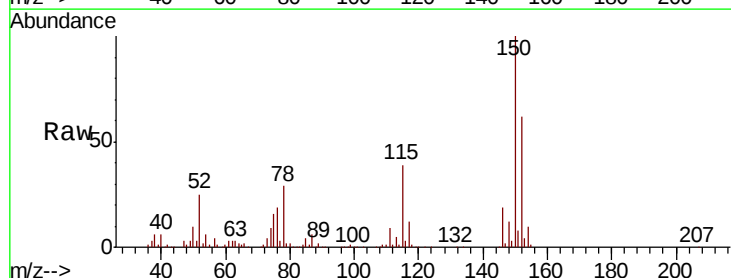
Tgt Ion:152 Resp: 153646

Ion Ratio Lower Upper

152 100

115 61.8 30.9 92.7

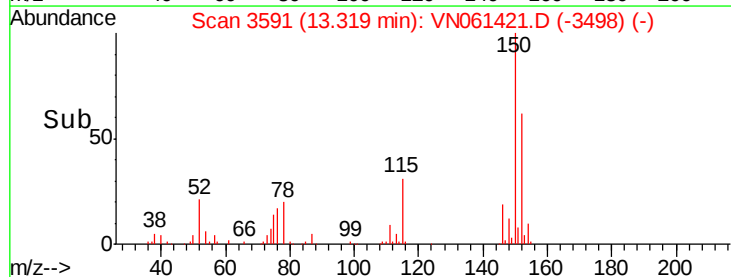
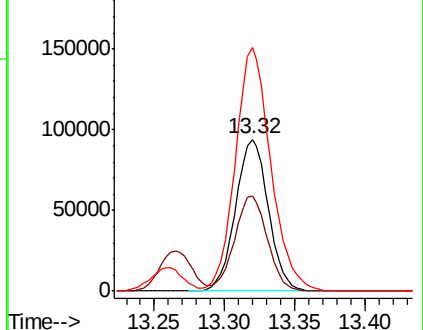
150 172.2 0.0 344.4

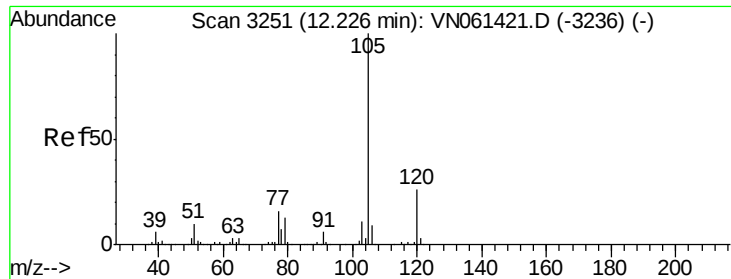


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.665 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

Instrument :

MSVOA_N

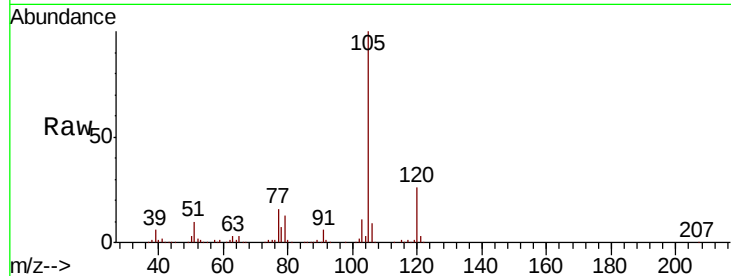
ClientSampleId :

Tot Ion:105 Resp: 587072

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.23

400000

300000

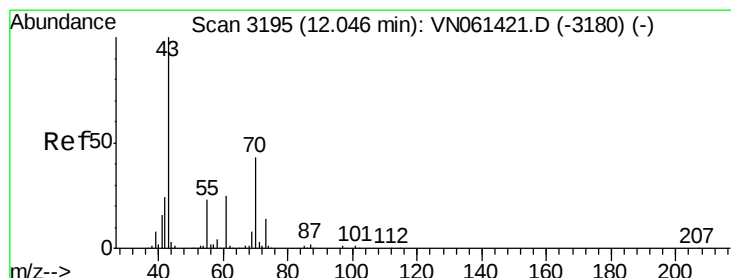
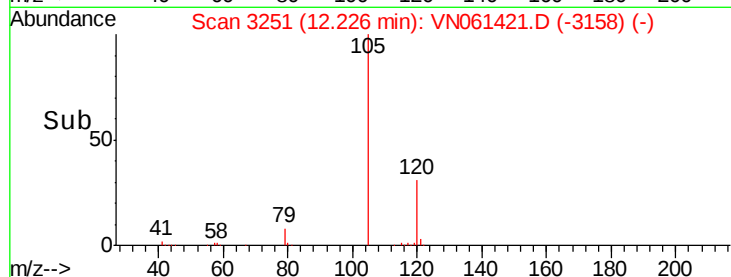
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 42.434 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

Tgt Ion: 43 Resp: 234781

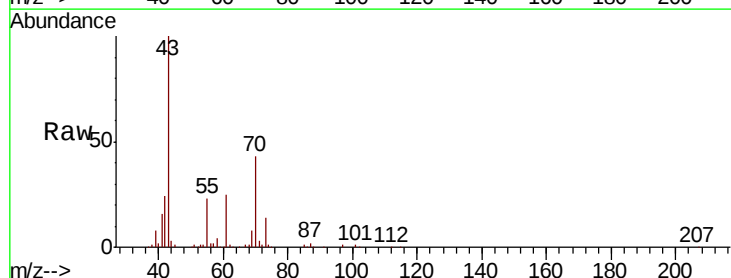
Ion Ratio Lower Upper

43 100

70 43.5 34.8 52.2

55 23.8 19.0 28.6

61 25.0 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

200000

150000

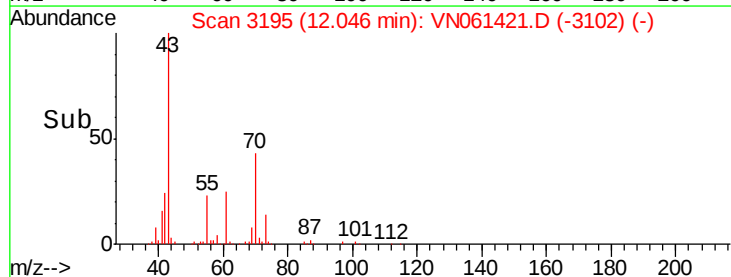
100000

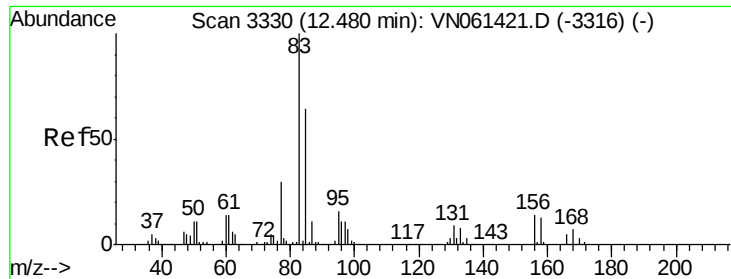
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 46.008 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

Instrument :

MSVOA_N

ClientSampleId :

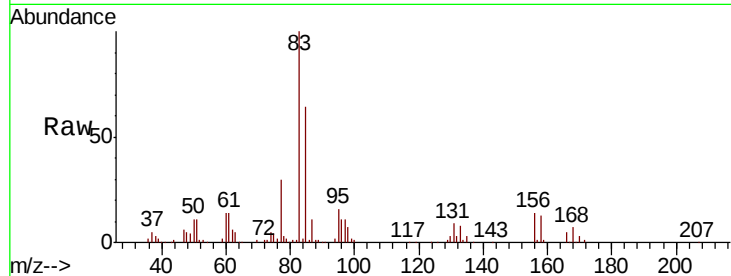
Tot Ion: 83 Resp: 159797

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.4

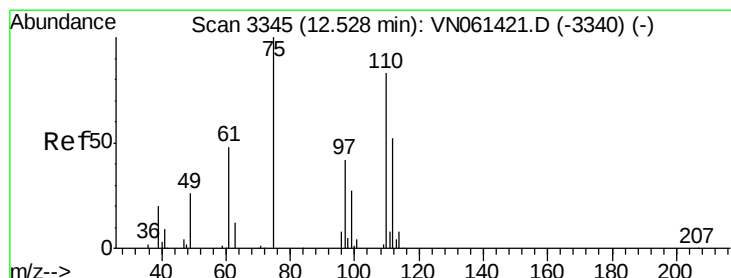
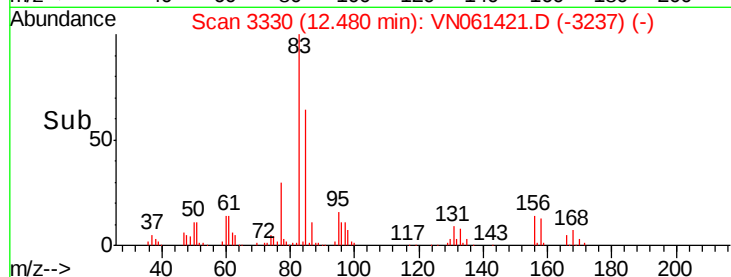
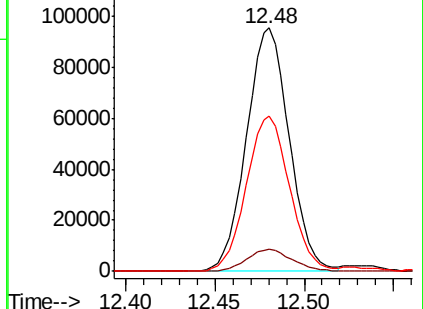
85 64.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN061421.D (-3316) (-)

Ion 130.80 (130.50 to 131.50): VN061421.D (-3316) (-)

Ion 84.90 (84.60 to 85.60): VN061421.D (-3316) (-)



#76

1,2,3-Trichloropropane

Concen: 68.173 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061421.D

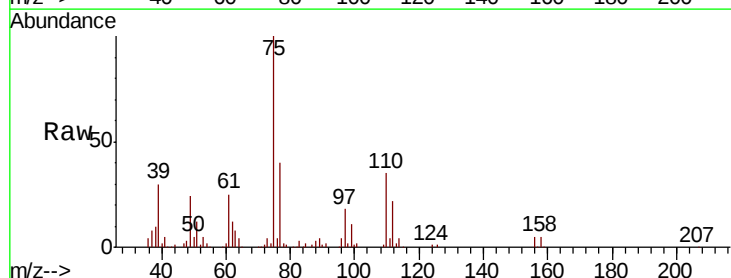
Acq: 15 May 2020 21:45

Tgt Ion: 75 Resp: 218022

Ion Ratio Lower Upper

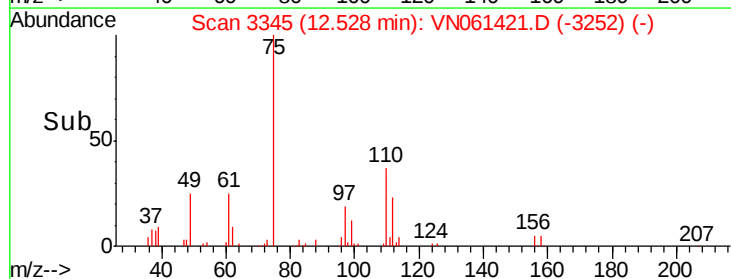
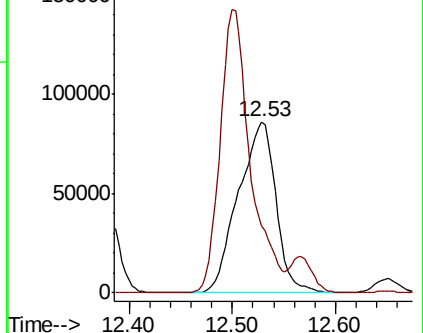
75 100

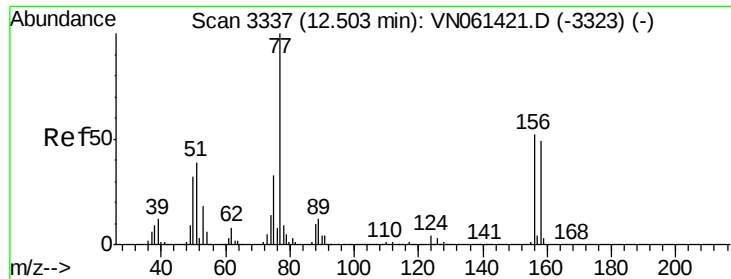
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061421.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061421.D (-3340) (-)





#77

Bromobenzene

Concen: 48.692 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

Instrument :

MSVOA_N

ClientSampleId :

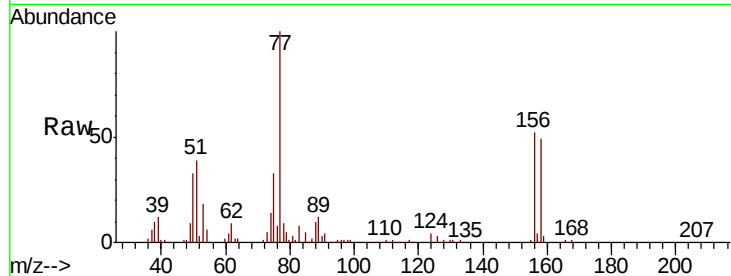
Tot Ion:156 Resp: 126371

Ion Ratio Lower Upper

156 100

77 231.5 115.8 347.3

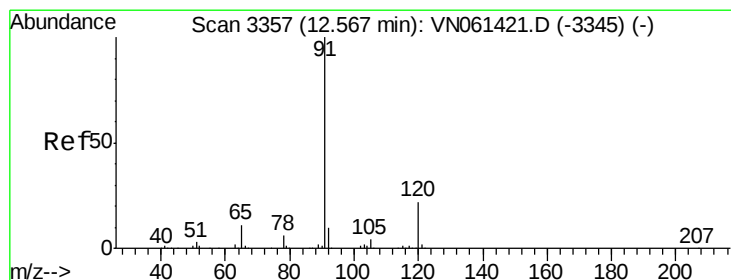
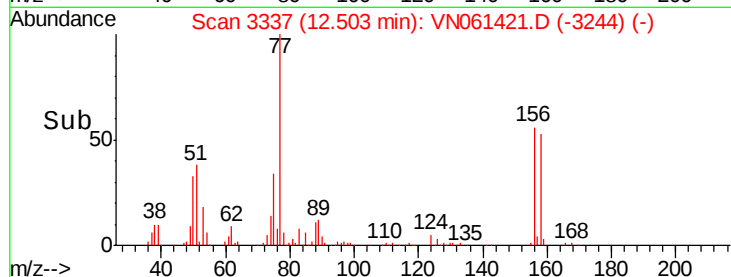
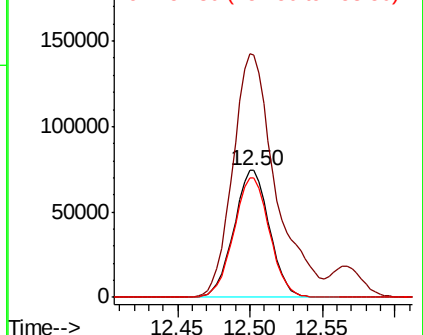
158 94.9 47.4 142.3



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: 51.444 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061421.D

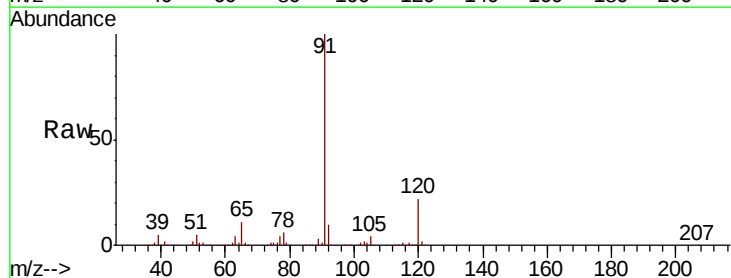
Acq: 15 May 2020 21:45

Tgt Ion: 91 Resp: 691063

Ion Ratio Lower Upper

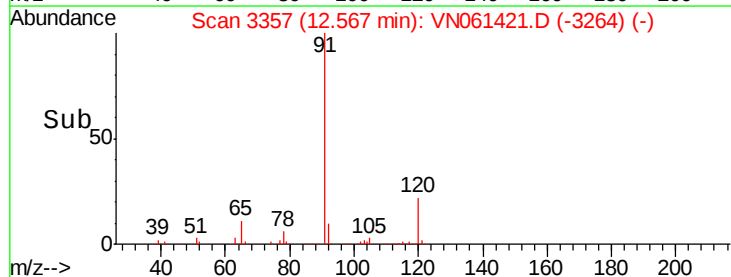
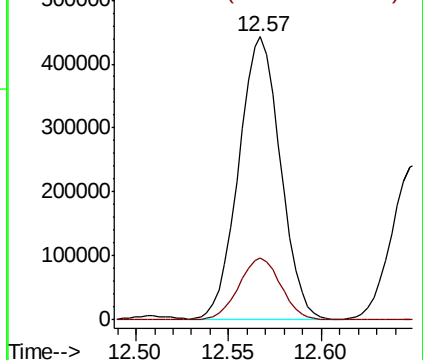
91 100

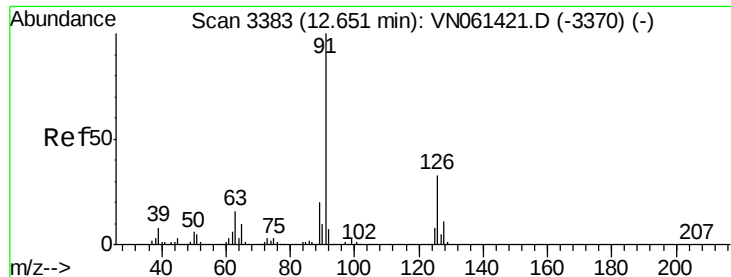
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

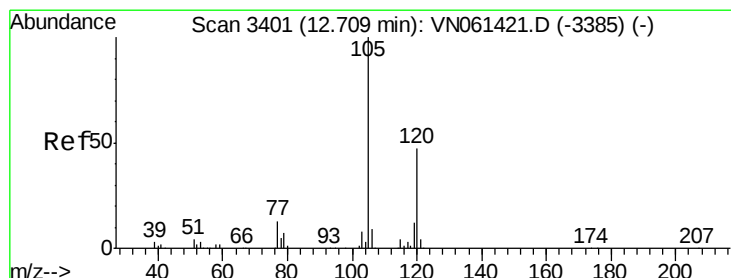
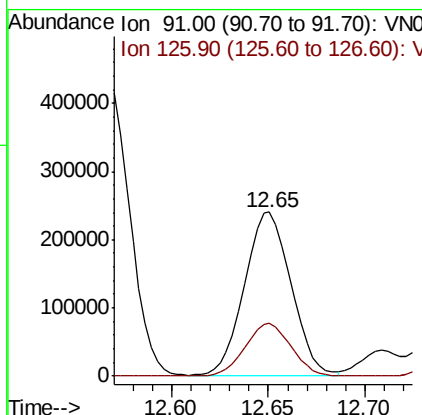
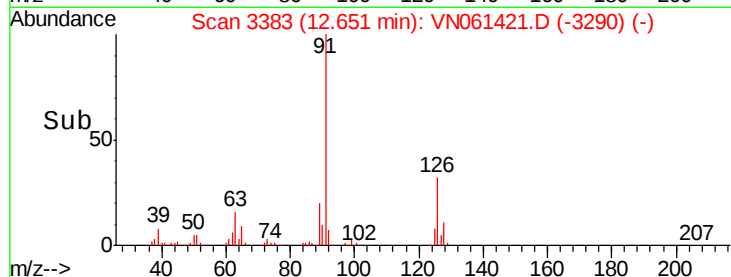
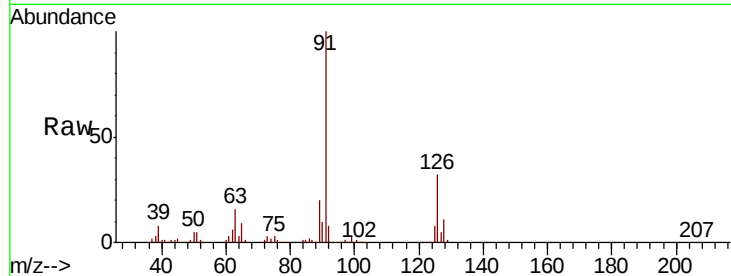




#79
 2-Chlorotoluene
 Concen: 50.704 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

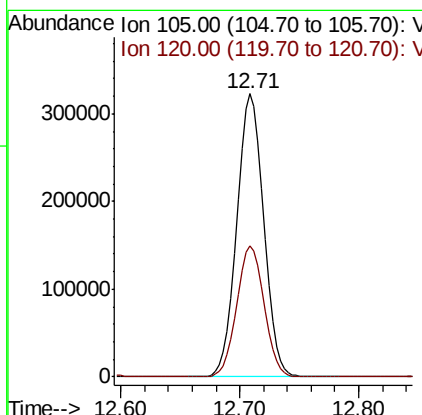
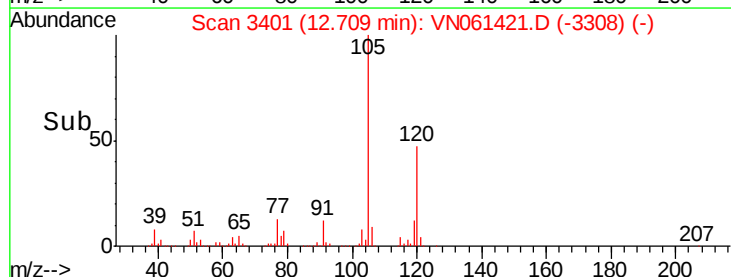
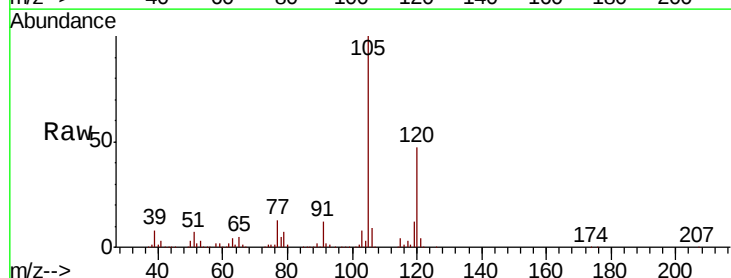
Instrument :
 MSVOA_N
 ClientSampled :

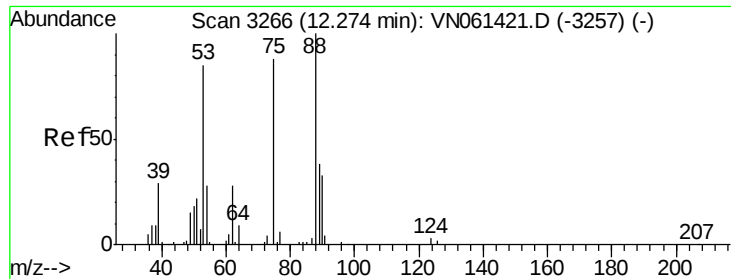
Tot Ion: 91 Resp: 400703
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.1 48.2



#80
 1,3,5-Trimethylbenzene
 Concen: 53.346 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

Tgt Ion: 105 Resp: 503162
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 46.111 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

Instrument :

MSVOA_N

ClientSampleId :

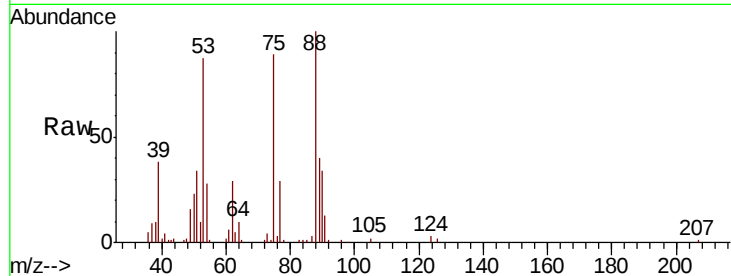
Tot Ion: 75 Resp: 57797

Ion Ratio Lower Upper

75 100

53 97.6 78.1 117.1

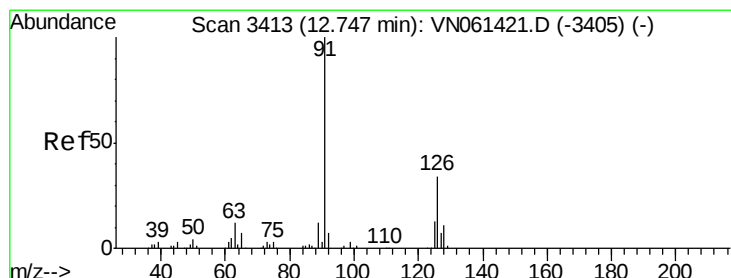
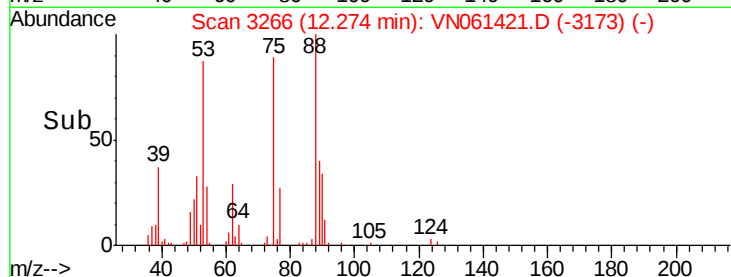
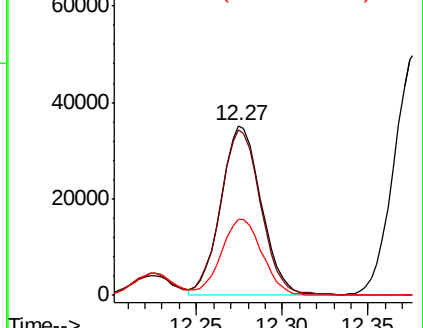
89 45.4 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VN061421.D (-3257) (-)

Ion 53.00 (52.70 to 53.70): VN061421.D (-3257) (-)

Ion 88.90 (88.60 to 89.60): VN061421.D (-3257) (-)



#82

4-Chlorotoluene

Concen: 50.784 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061421.D

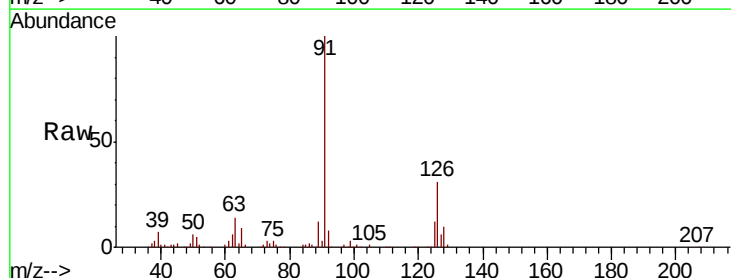
Acq: 15 May 2020 21:45

Tgt Ion: 91 Resp: 422782

Ion Ratio Lower Upper

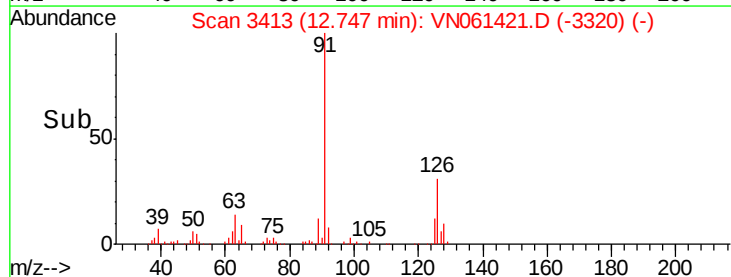
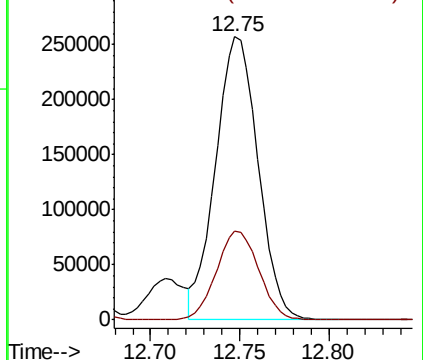
91 100

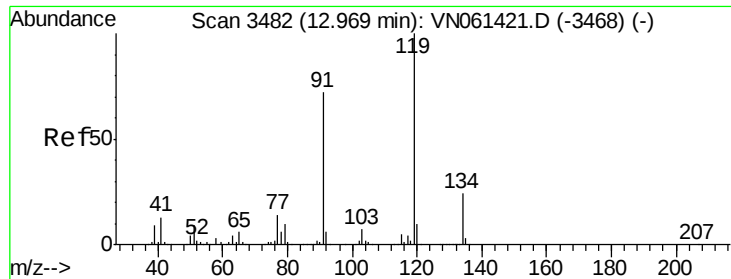
126 31.5 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VN061421.D (-3405) (-)

Ion 125.90 (125.60 to 126.60): VN061421.D (-3405) (-)





#83

tert-Butylbenzene

Concen: 51.804 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

Instrument :

MSVOA_N

ClientSampleId :

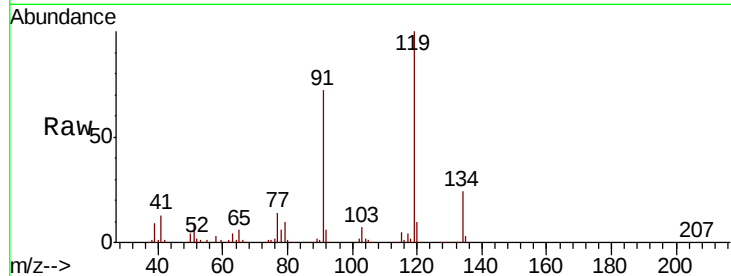
Tot Ion:119 Resp: 409647

Ion Ratio Lower Upper

119 100

91 71.3 35.6 106.9

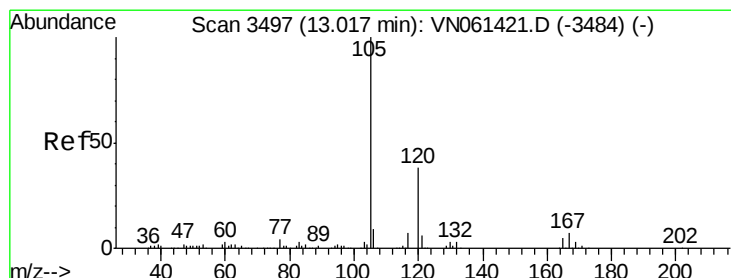
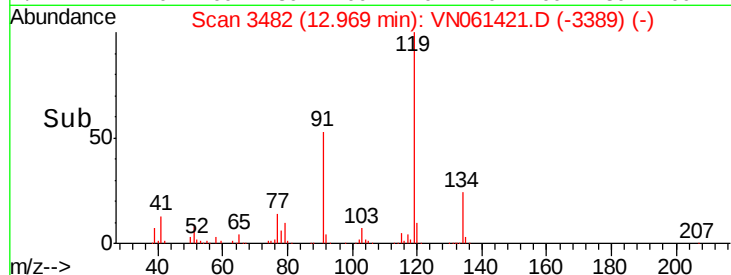
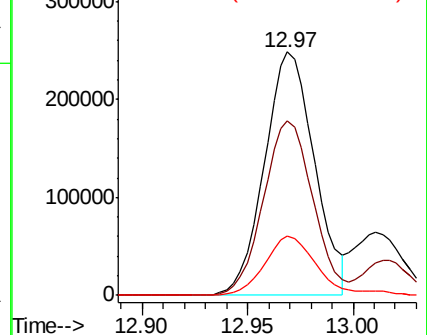
134 25.8 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.946 ug/l

RT: 13.02 min Scan# 3497

Delta R.T. 0.00 min

Lab File: VN061421.D

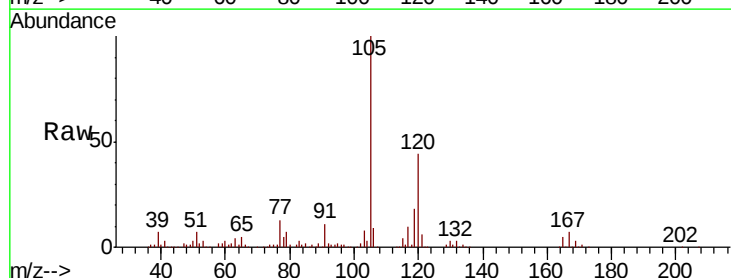
Acq: 15 May 2020 21:45

Tgt Ion:105 Resp: 503246

Ion Ratio Lower Upper

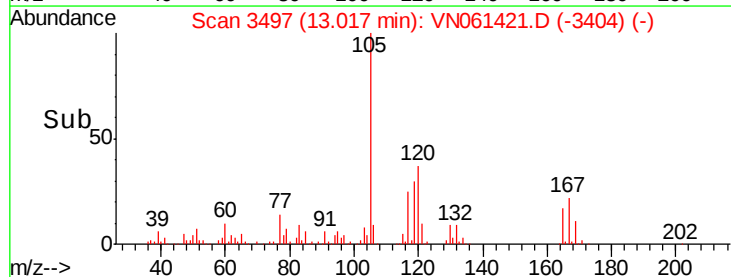
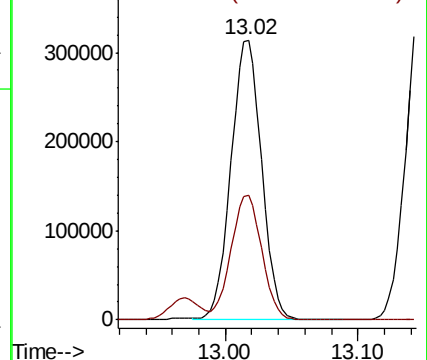
105 100

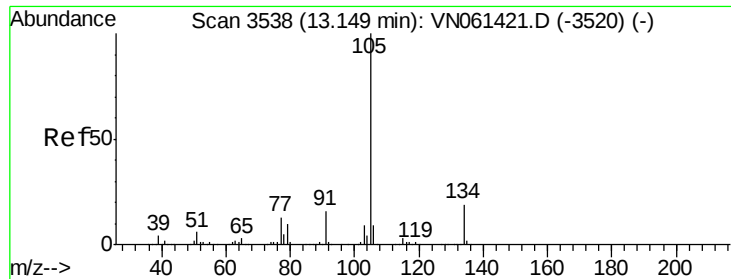
120 44.8 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.822 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

Instrument :

MSVOA_N

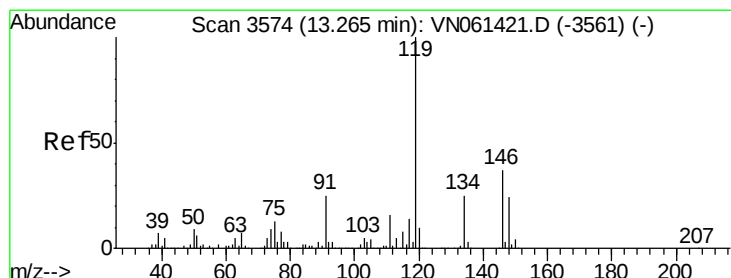
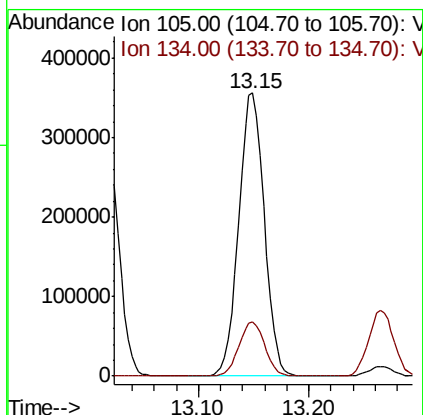
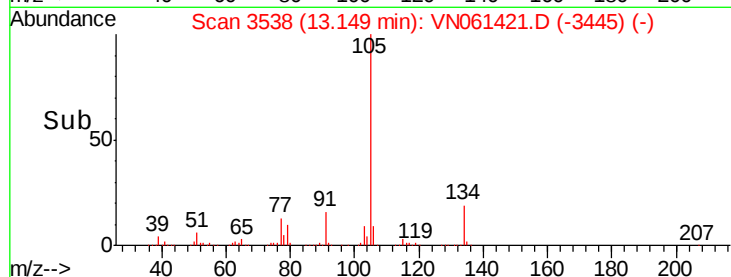
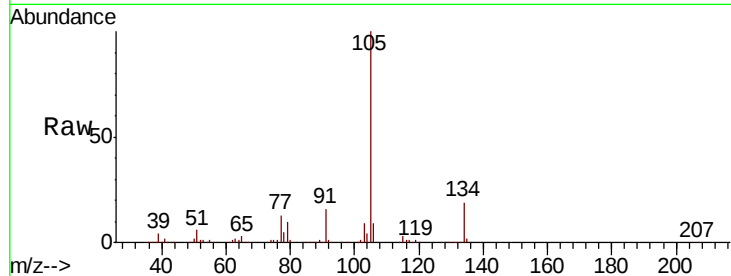
ClientSampleId :

Tot Ion:105 Resp: 570964

Ion Ratio Lower Upper

105 100

134 19.4 9.7 29.1



#86

p-Isopropyltoluene

Concen: 52.632 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061421.D

Acq: 15 May 2020 21:45

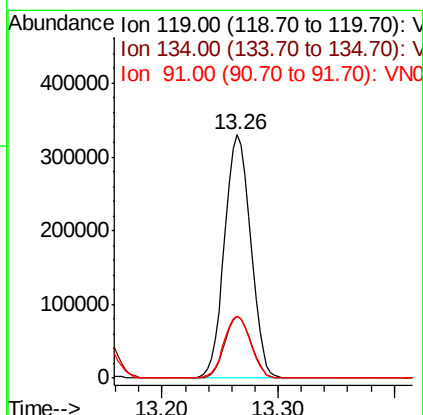
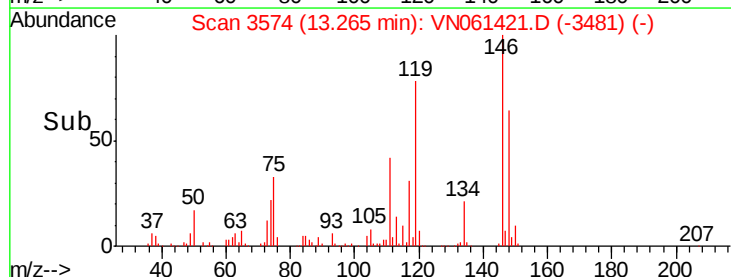
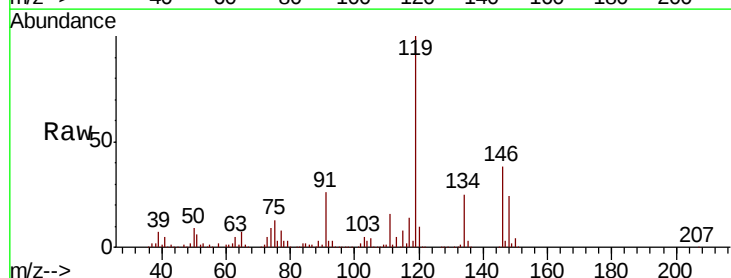
Tgt Ion:119 Resp: 512405

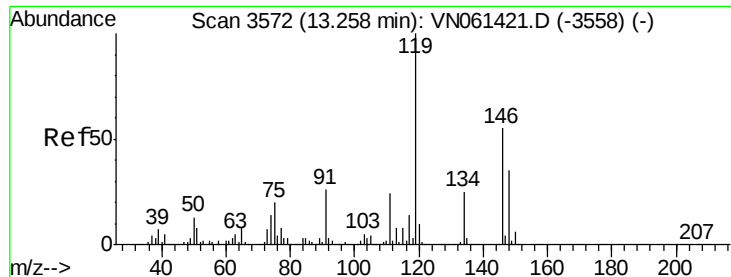
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 25.9 13.0 38.9

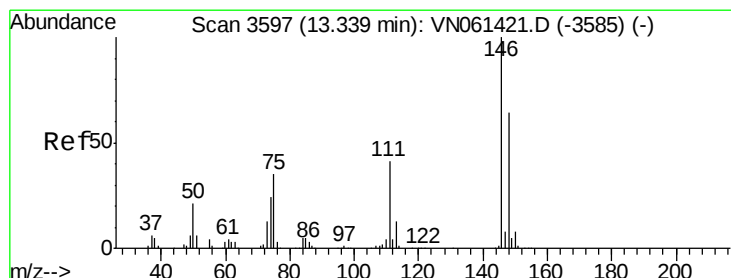
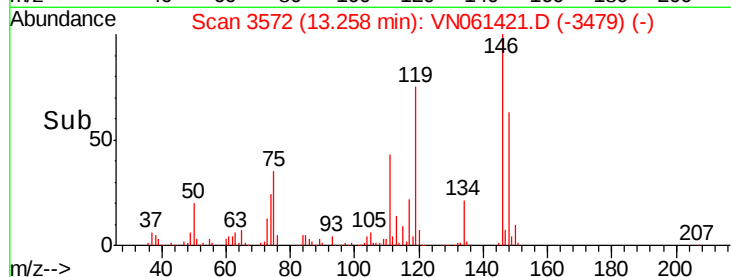
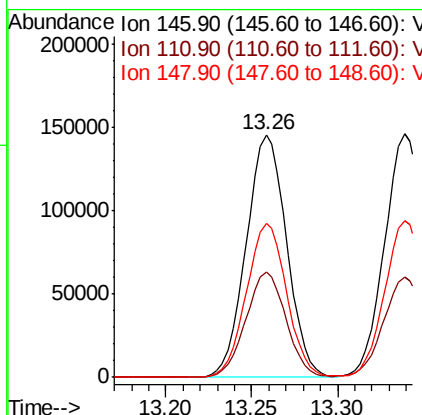
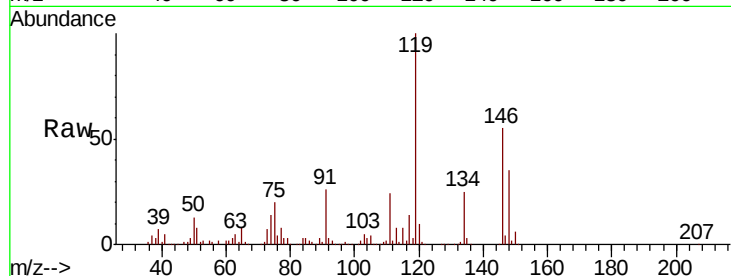




#87
 1,3-Dichlorobenzene
 Concen: 49.738 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

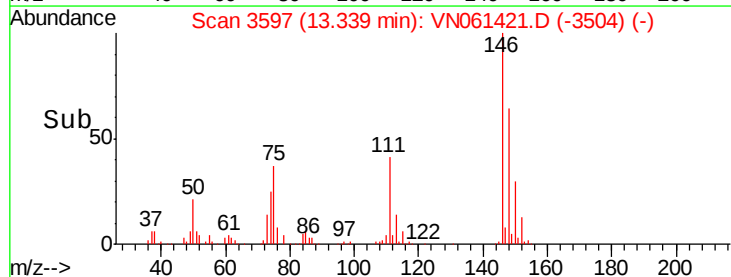
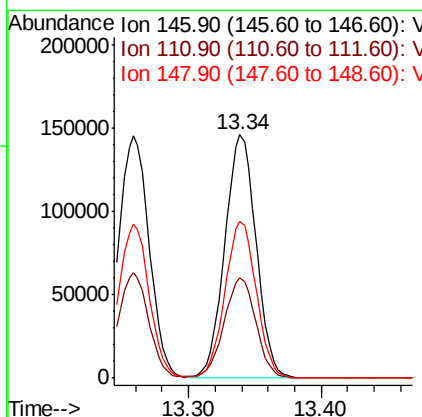
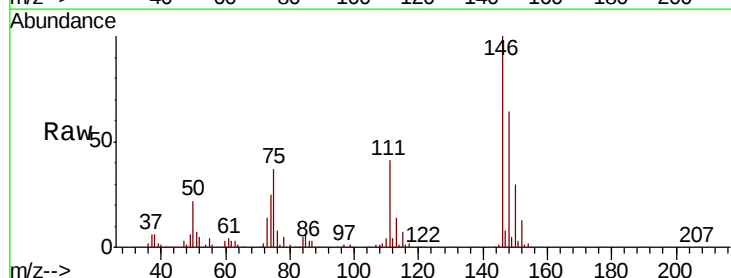
Instrument :
 MSVOA_N
 ClientSampleId :

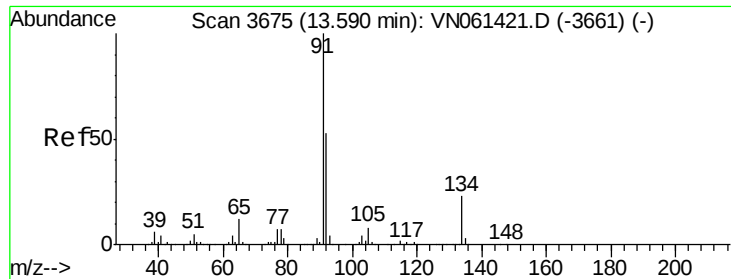
Tot Ion:146 Resp: 238162
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.5 64.5
 148 62.9 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 48.964 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

Tgt Ion:146 Resp: 239995
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.9 62.7
 148 64.5 32.3 96.8

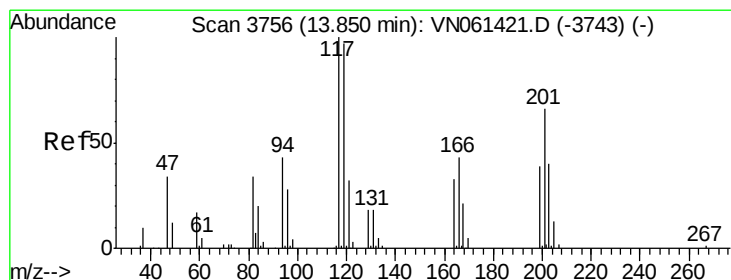
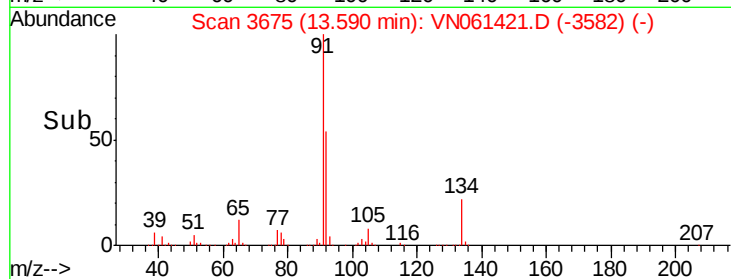
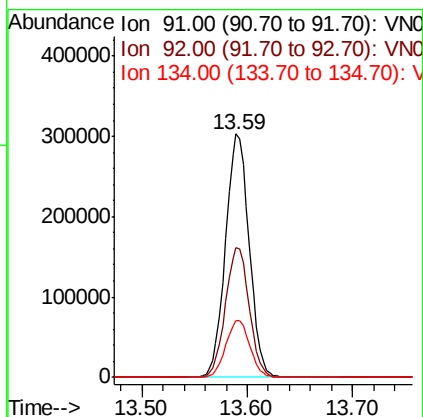
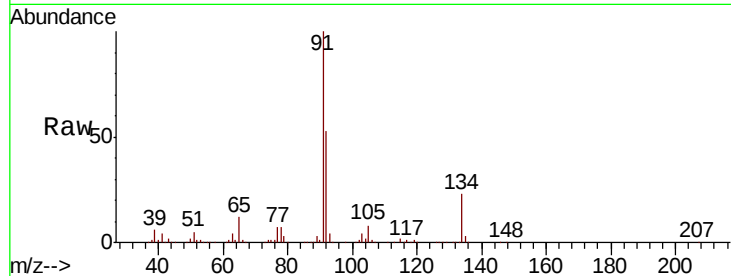




#89
n-Butylbenzene
Concen: 52.708 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

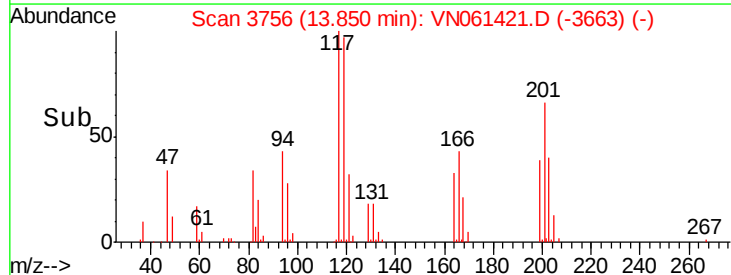
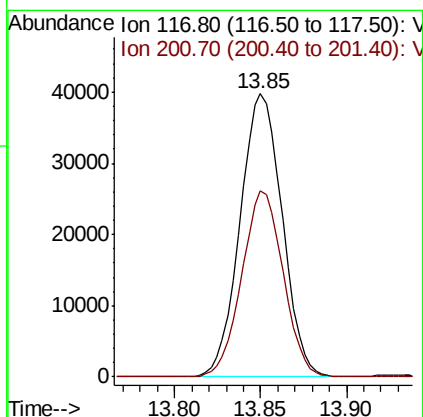
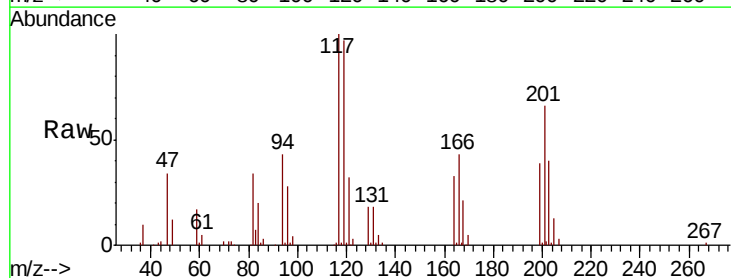
Instrument :
MSVOA_N
ClientSampled :

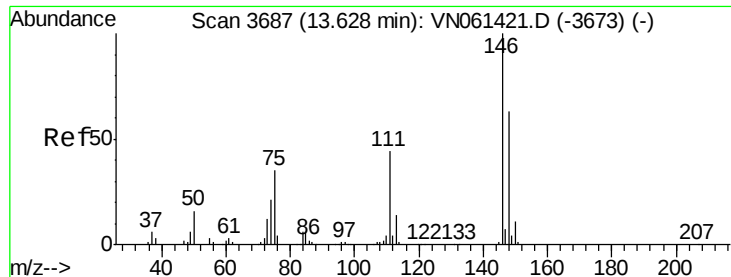
Tot Ion: 91 Resp: 469686
Ion Ratio Lower Upper
91 100
92 53.5 26.8 80.3
134 23.7 11.9 35.5



#90
Hexachloroethane
Concen: 70.653 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

Tgt Ion: 117 Resp: 67716
Ion Ratio Lower Upper
117 100
201 64.4 32.2 96.6

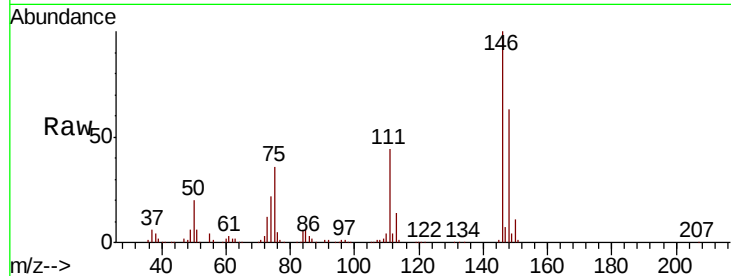




#91
 1,2-Dichlorobenzene
 Concen: 49.717 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.3	66.8
148	64.5	32.3	96.8

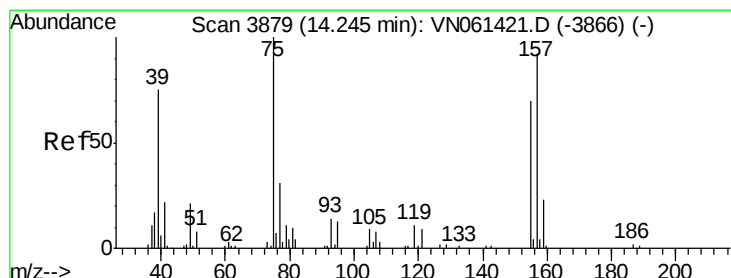
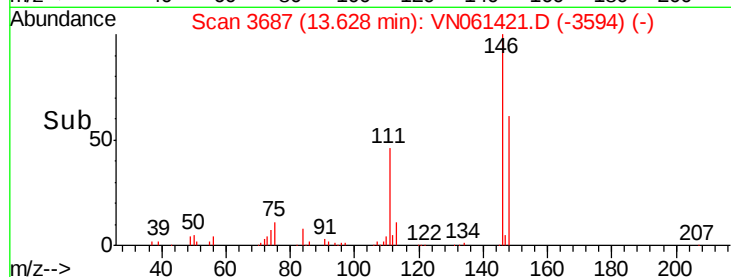
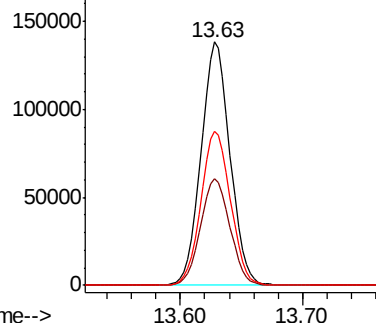


Abundance

Ion 145.90 (145.60 to 146.60): V

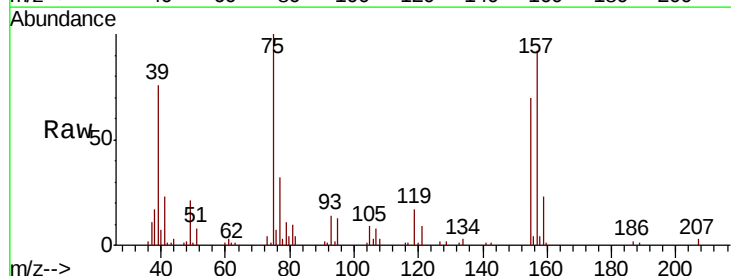
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.023 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.4	35.2	105.6
157	91.5	45.8	137.3

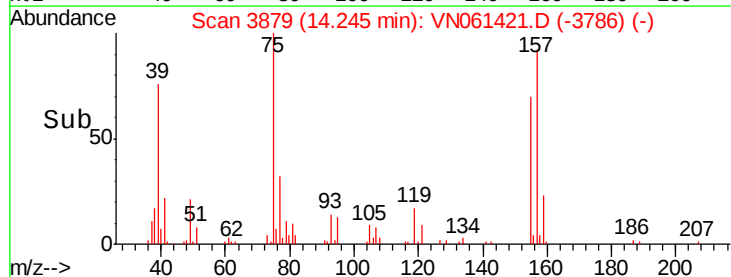
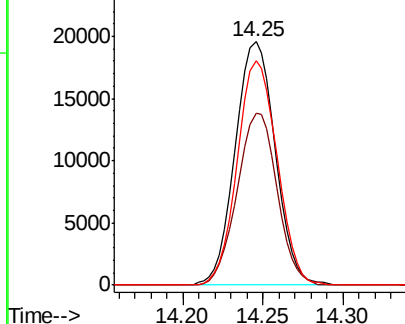


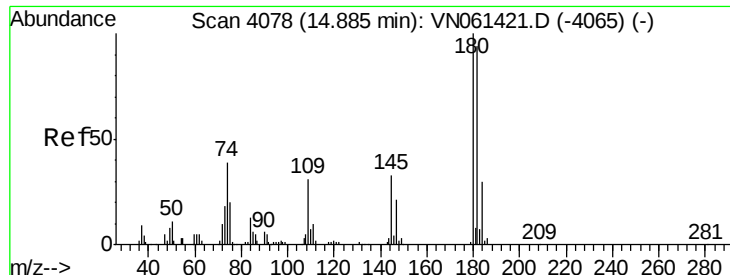
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

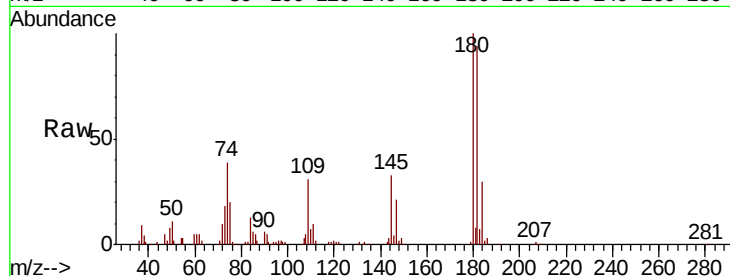




#93
 1,2,4-Trichlorobenzene
 Concen: 46.581 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	142.0
145	32.6	16.3	48.9

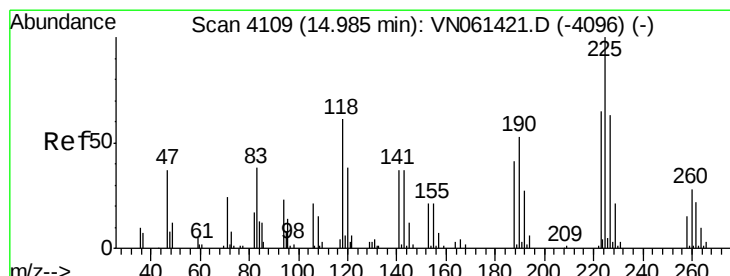
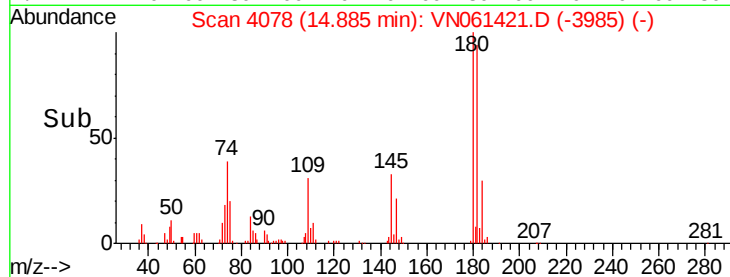
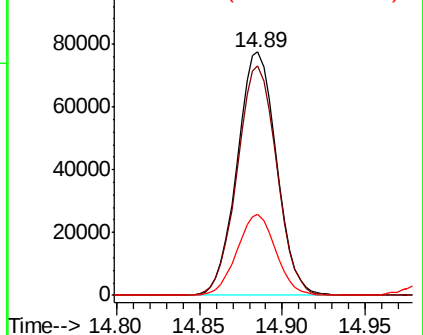


Abundance

Ion 179.80 (179.50 to 180.50): V

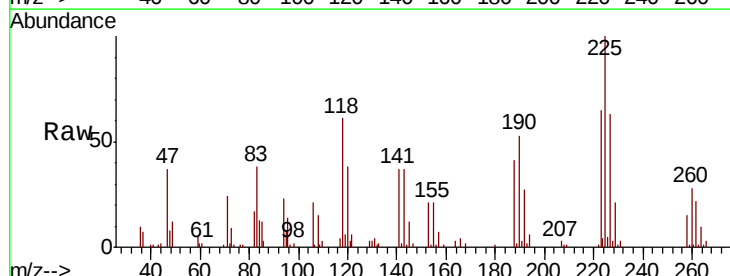
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 43.690 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061421.D
 Acq: 15 May 2020 21:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	32.1	96.3
227	62.8	31.4	94.2

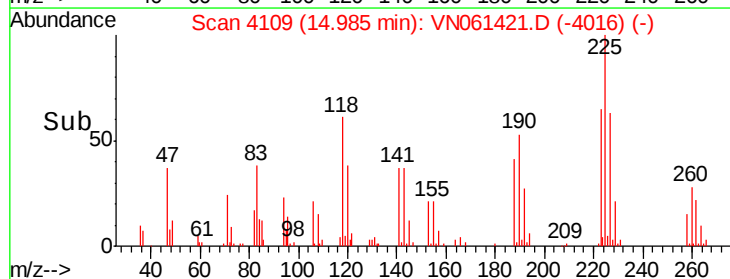
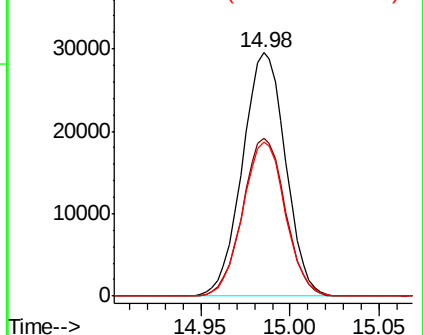


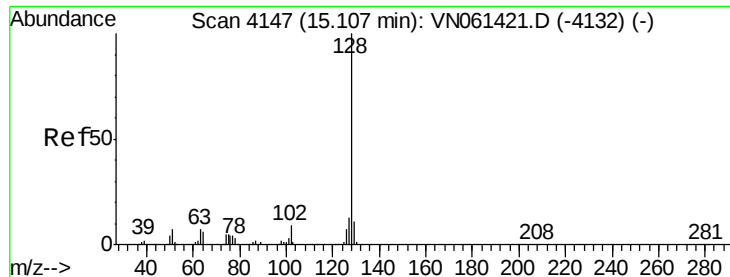
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

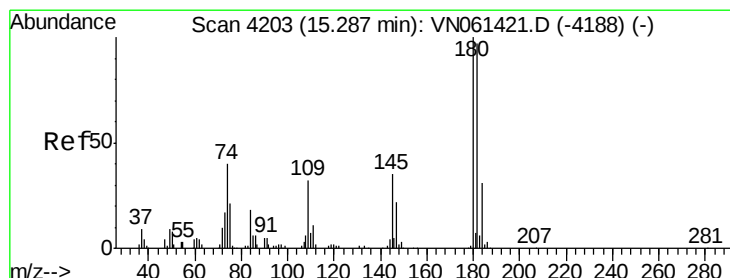
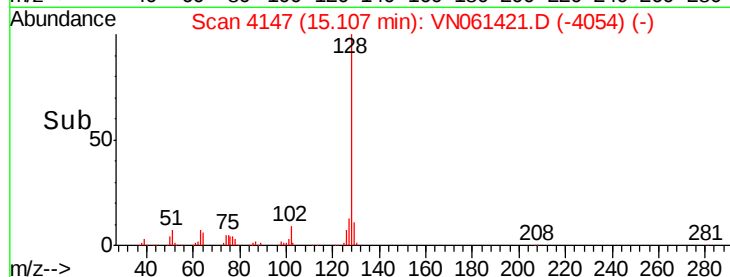
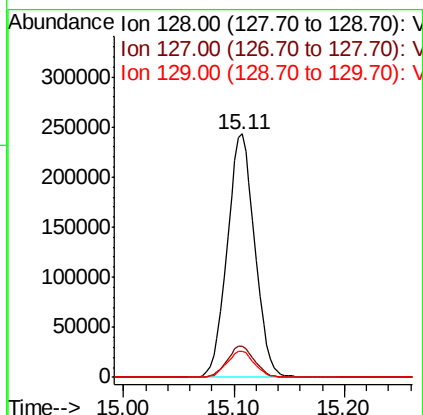
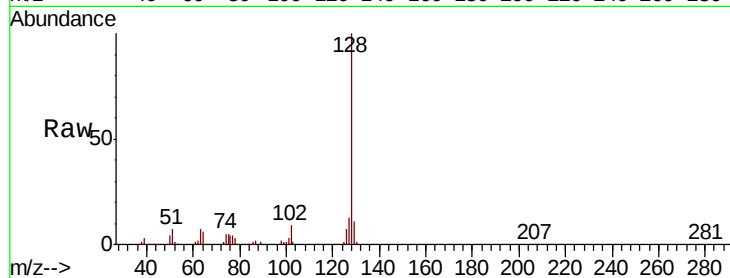




#95
Naphthalene
Concen: 46.868 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 419194
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 45.650 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061421.D
Acq: 15 May 2020 21:45

Tgt Ion:180 Resp: 123926
Ion Ratio Lower Upper
180 100
182 96.1 48.0 144.2
145 35.3 17.6 52.9

