

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061436.D
 Acq On : 18 May 2020 15:54
 Operator : JC/MD
 Sample : VN0518MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 18:06:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	258165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	473492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	444779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	204313	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	204513	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
35) Dibromofluoromethane	7.55	113	133821	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
50) Toluene-d8	10.06	98	588982	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.37	95	217755	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	41363	19.269	ug/l	99
3) Chloromethane	2.03	50	66422	18.971	ug/l	98
4) Vinyl Chloride	2.16	62	95803	19.119	ug/l	99
5) Bromomethane	2.54	94	54034	18.837	ug/l	98
6) Chloroethane	2.67	64	64034	18.986	ug/l	97
7) Trichlorofluoromethane	2.98	101	116048	19.076	ug/l	98
8) Diethyl Ether	3.37	74	35345	19.947	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	48984	19.363	ug/l	99
10) Methyl Iodide	3.91	142	61723	20.088	ug/l	100
11) Tert butyl alcohol	4.73	59	48906	110.160	ug/l	98
12) 1,1-Dichloroethene	3.70	96	49899	18.856	ug/l	96
13) Acrolein	3.57	56	29562	80.242	ug/l	94
14) Allyl chloride	4.27	41	85435	19.838	ug/l	97
15) Acrylonitrile	4.93	53	134699	102.410	ug/l	98
16) Acetone	3.77	43	104195	98.785	ug/l	96
17) Carbon Disulfide	4.01	76	131935	21.406	ug/l	100
18) Methyl Acetate	4.27	43	53716	19.680	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	199974	19.913	ug/l	98
20) Methylene Chloride	4.50	84	59295	18.725	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	57900	18.975	ug/l	97
22) Diisopropyl ether	5.90	45	190000	19.633	ug/l	97
23) Vinyl Acetate	5.84	43	771371	100.234	ug/l	99
24) 1,1-Dichloroethane	5.80	63	109837	19.459	ug/l	99
25) 2-Butanone	6.78	43	173667	98.995	ug/l	100
26) 2,2-Dichloropropane	6.78	77	99626	18.515	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	68790	19.085	ug/l	99
28) Bromochloromethane	7.15	49	53150	22.183	ug/l	97
29) Tetrahydrofuran	7.17	42	117669	101.279	ug/l	99
30) Chloroform	7.33	83	117067	19.857	ug/l	99
31) Cyclohexane	7.62	56	100032	18.243	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	101866	18.908	ug/l	99
36) 1,1-Dichloropropene	7.75	75	84950	19.187	ug/l	99
37) Ethyl Acetate	6.88	43	75544	18.815	ug/l	98
38) Carbon Tetrachloride	7.73	117	78169	19.174	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	104239	19.277	ug/l	98
40) Benzene	8.00	78	255790	19.171	ug/l	98
41) Methacrylonitrile	7.13	41	36192	21.342	ug/l #	93
42) 1,2-Dichloroethane	8.09	62	95624	19.893	ug/l	99
43) Isopropyl Acetate	8.13	43	138165	19.730	ug/l #	90
44) Trichloroethene	8.80	130	67732	19.374	ug/l	94
45) 1,2-Dichloropropane	9.08	63	65948	19.747	ug/l	97
46) Dibromomethane	9.18	93	45008	19.225	ug/l	99
47) Bromodichloromethane	9.37	83	95883	19.438	ug/l	97
48) Methyl methacrylate	9.17	41	61532	19.020	ug/l	98
49) 1,4-Dioxane	9.16	88	16996	479.887	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	385602	101.079	ug/l	98
52) Toluene	10.12	92	163167	19.049	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	105697	19.550	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	111221	19.352	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	64528	19.925	ug/l	98
56) Ethyl methacrylate	10.40	69	99007	19.555	ug/l	99
57) 1,3-Dichloropropane	10.68	76	112181	20.044	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	214381	96.466	ug/l	100
59) 2-Hexanone	10.72	43	268934	97.440	ug/l	99
60) Dibromochloromethane	10.87	129	69359	19.362	ug/l	99
61) 1,2-Dibromoethane	10.98	107	66223	19.448	ug/l	100
64) Tetrachloroethene	10.60	164	63754	18.528	ug/l	98
65) Chlorobenzene	11.41	112	172499	19.018	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	62442	19.203	ug/l	97
67) Ethyl Benzene	11.48	91	317274	19.163	ug/l	99
68) m/p-Xylenes	11.59	106	237914	37.858	ug/l	98
69) o-Xylene	11.92	106	117033	19.244	ug/l	100
70) Styrene	11.94	104	194782	19.341	ug/l	99
71) Bromoform	12.10	173	43170	18.403	ug/l #	99
73) Isopropylbenzene	12.22	105	308658	18.818	ug/l	100
74) N-amyl acetate	12.04	43	117769	19.616	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	88593	19.632	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	117781	26.866	ug/l #	100
77) Bromobenzene	12.50	156	66810	18.769	ug/l	97
78) n-propylbenzene	12.56	91	349189	18.685	ug/l	99
79) 2-Chlorotoluene	12.65	91	208373	18.863	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	256676	19.112	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	30338	18.357	ug/l	96
82) 4-Chlorotoluene	12.75	91	216582	18.935	ug/l	100
83) tert-Butylbenzene	12.97	119	218683	19.010	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	259088	19.277	ug/l	99
85) sec-Butylbenzene	13.15	105	296349	19.051	ug/l	99
86) p-Isopropyltoluene	13.26	119	260847	18.884	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	124361	19.090	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	124762	19.123	ug/l	99
89) n-Butylbenzene	13.59	91	238656	19.018	ug/l	100
90) Hexachloroethane	13.85	117	35736	19.089	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	118749	19.003	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	17682	19.398	ug/l	98

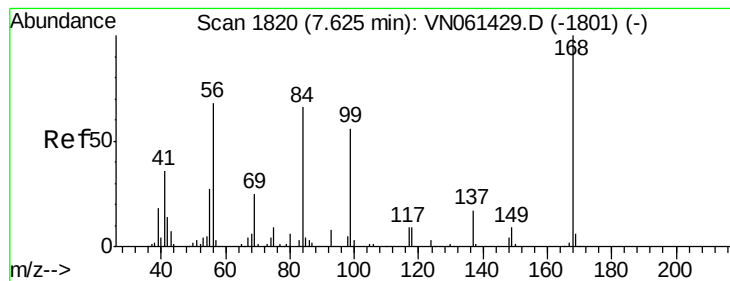
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051820\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	65889	19.446	ug/l	99
94) Hexachlorobutadiene	14.99	225	29809	19.800	ug/l	97
95) Naphthalene	15.10	128	216302	20.080	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	65738	19.489	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

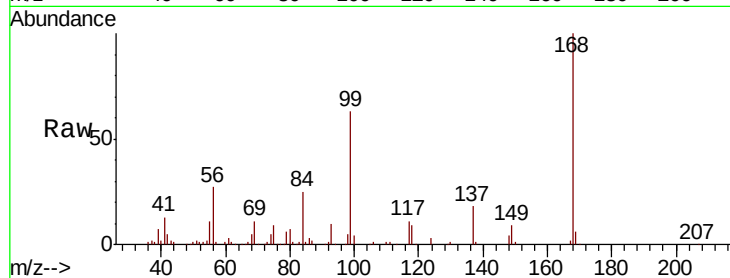
ClientSampleId :

Tot Ion:168 Resp: 258165

Ion Ratio Lower Upper

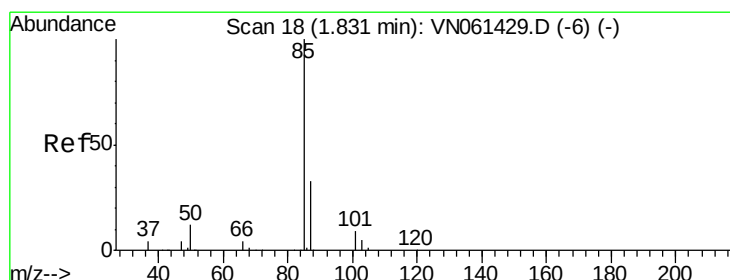
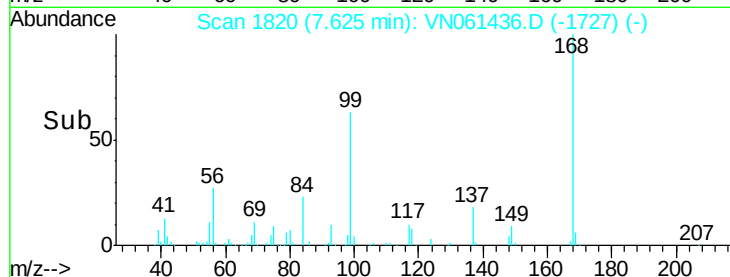
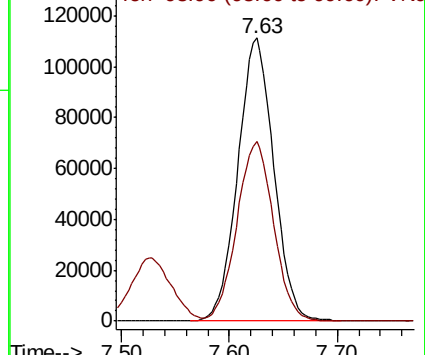
168 100

99 63.2 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.269 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061436.D

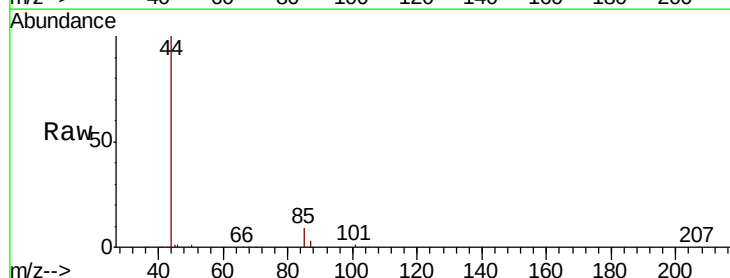
Acq: 18 May 2020 15:54

Tgt Ion: 85 Resp: 41363

Ion Ratio Lower Upper

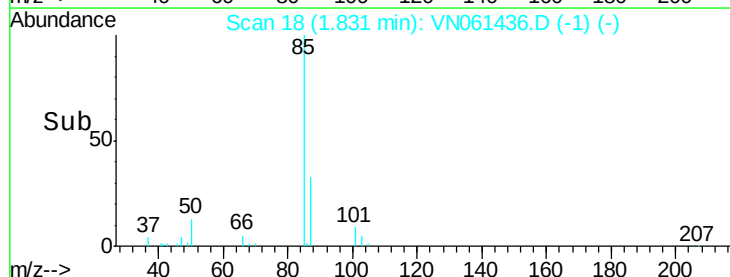
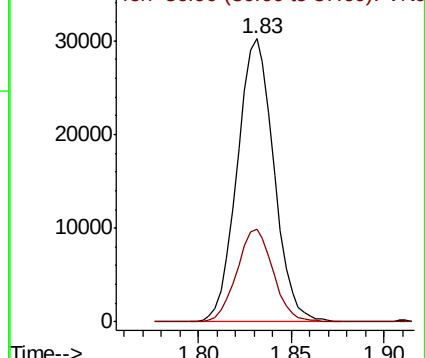
85 100

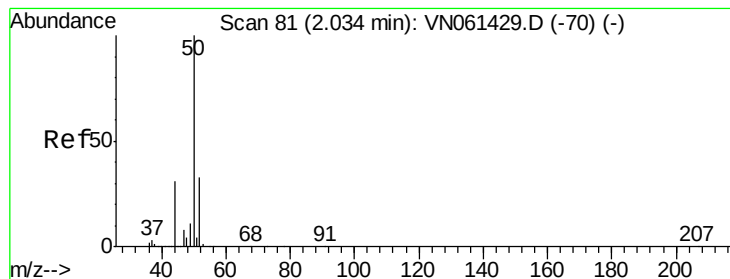
87 32.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.971 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

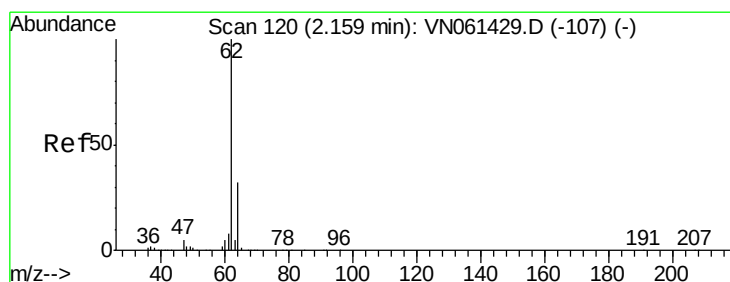
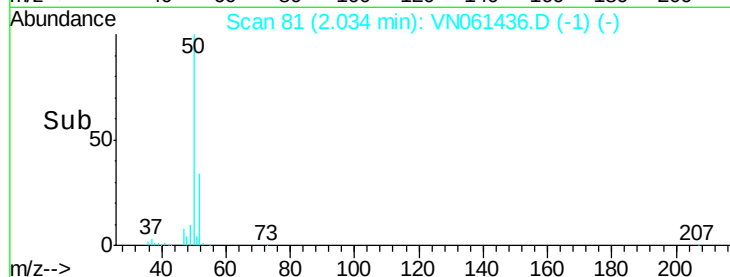
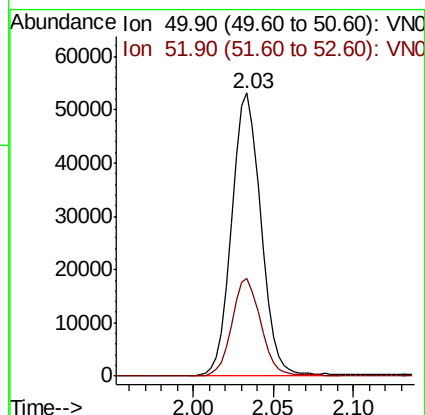
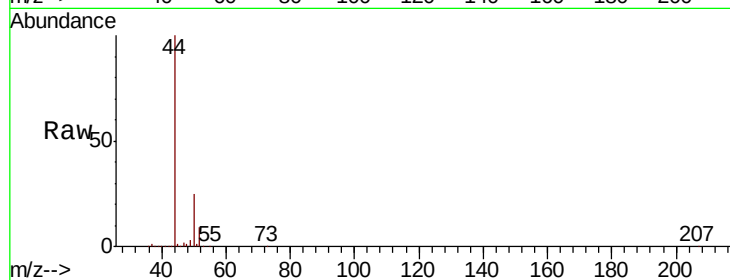
ClientSampled :

Tot Ion: 50 Resp: 66422

Ion Ratio Lower Upper

50 100

52 34.4 26.7 40.1



#4

Vinyl Chloride

Concen: 19.119 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061436.D

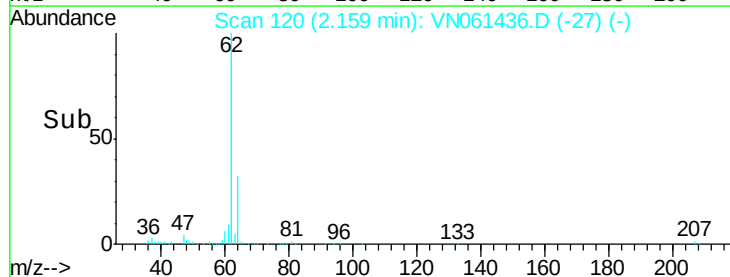
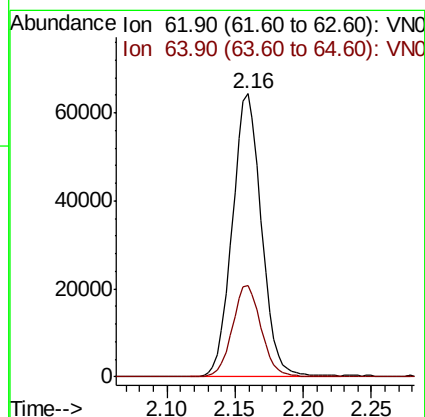
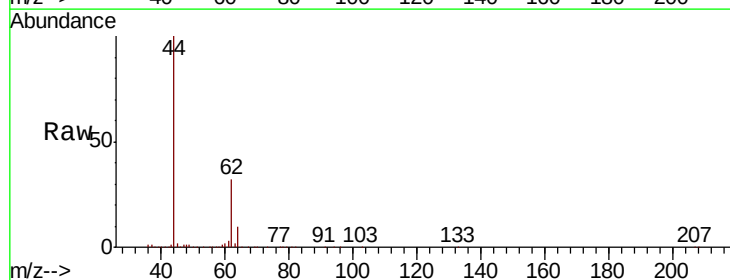
Acq: 18 May 2020 15:54

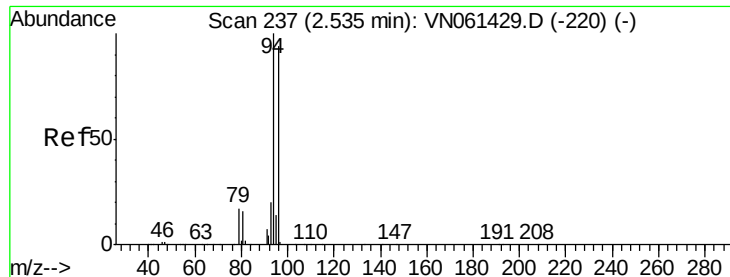
Tgt Ion: 62 Resp: 95803

Ion Ratio Lower Upper

62 100

64 32.2 25.3 37.9





#5

Bromomethane

Concen: 18.837 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

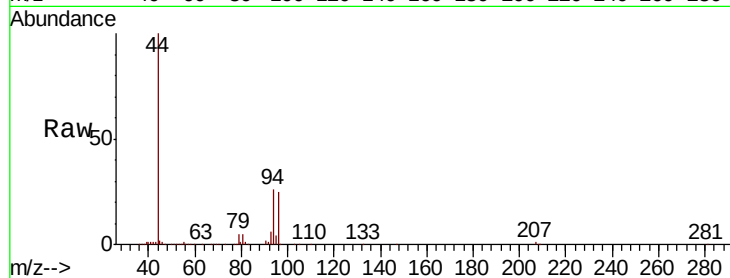
ClientSampleId :

Tot Ion: 94 Resp: 54034

Ion Ratio Lower Upper

94 100

96 95.6 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN061429.D (-220) (-)

Ion 95.90 (95.60 to 96.60): VN061429.D (-220) (-)

2.54

30000

25000

20000

15000

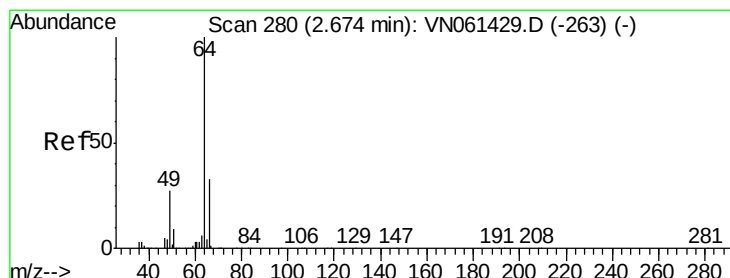
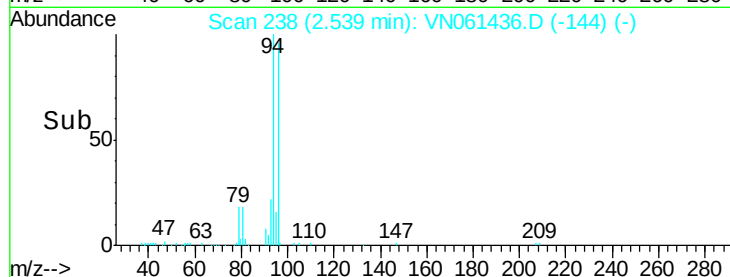
10000

5000

0

2.45 2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 18.986 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061436.D

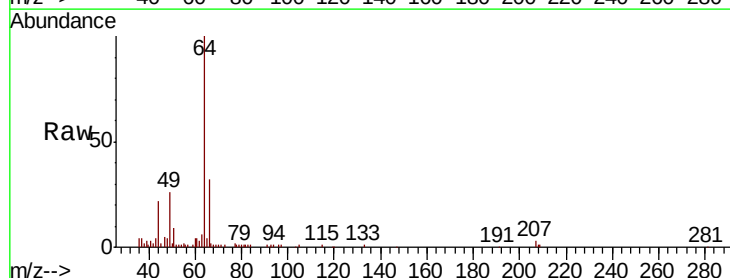
Acq: 18 May 2020 15:54

Tgt Ion: 64 Resp: 64034

Ion Ratio Lower Upper

64 100

66 31.1 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN061429.D (-263) (-)

Ion 65.90 (65.60 to 66.60): VN061429.D (-263) (-)

2.67

40000

30000

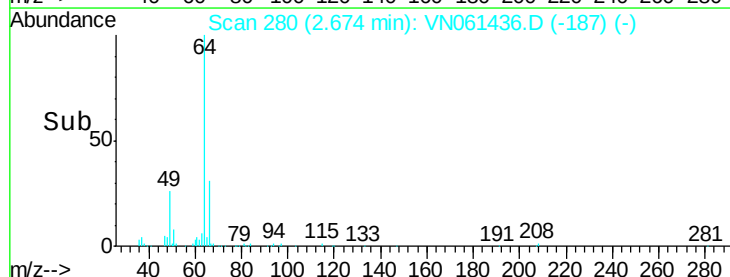
20000

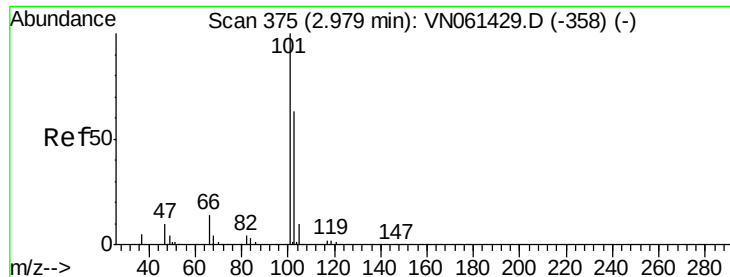
10000

0

2.60 2.65 2.70 2.75

Time-->



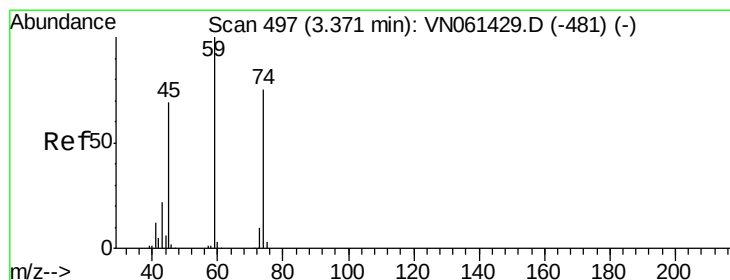
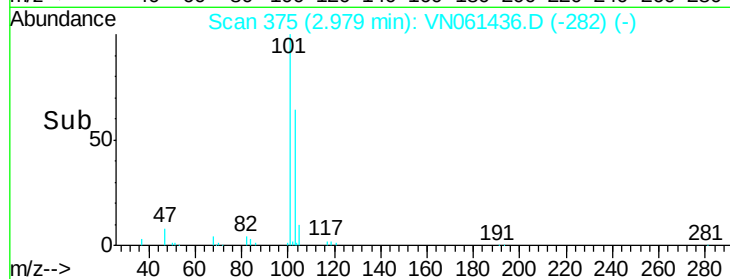
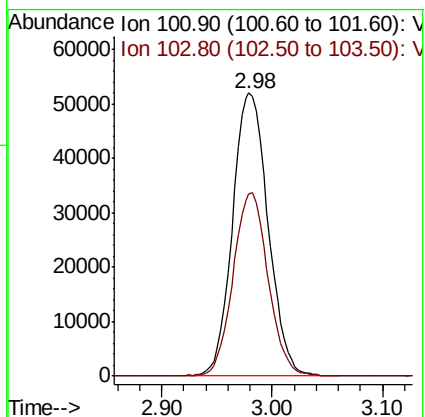
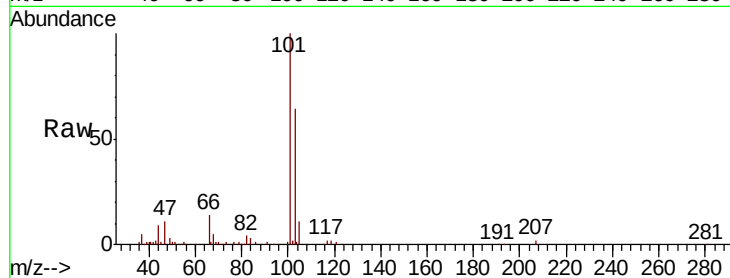


#7

Trichlorofluoromethane
Concen: 19.076 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :

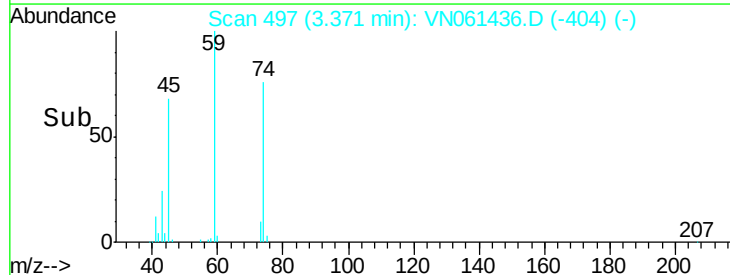
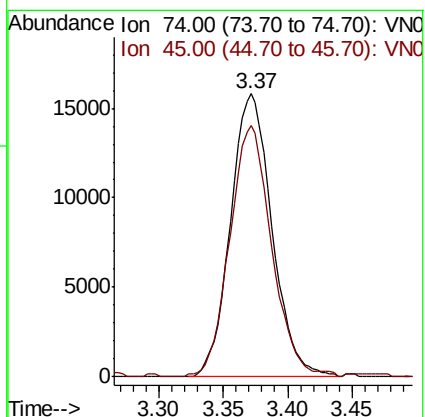
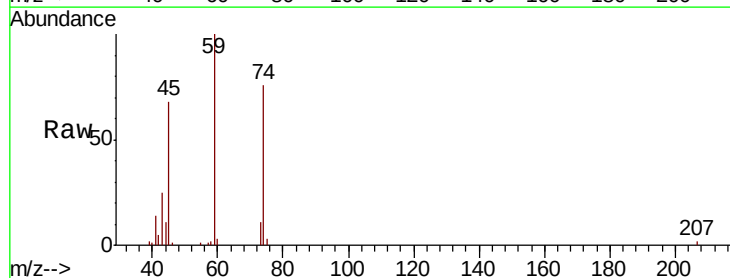
Tot Ion:101 Resp: 116048
Ion Ratio Lower Upper
101 100
103 64.1 50.2 75.4

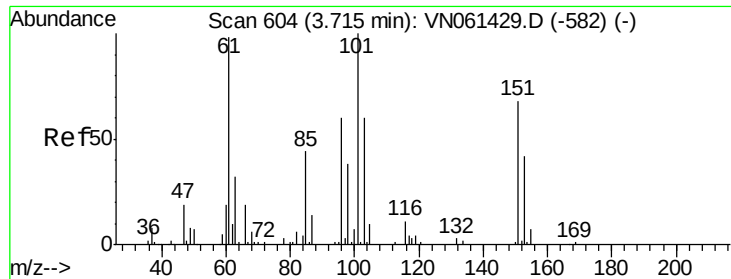


#8

Diethyl Ether
Concen: 19.947 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion: 74 Resp: 35345
Ion Ratio Lower Upper
74 100
45 89.7 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.363 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampled :

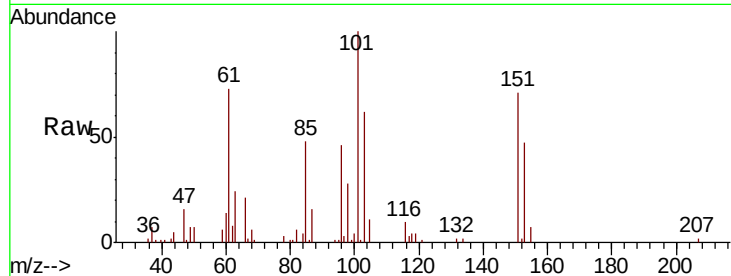
Tot Ion:101 Resp: 48984

Ion Ratio Lower Upper

101 100

85 46.7 36.6 55.0

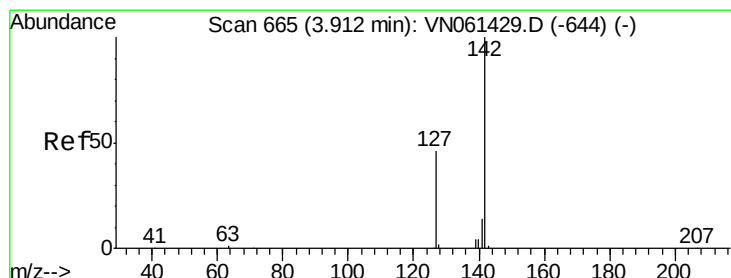
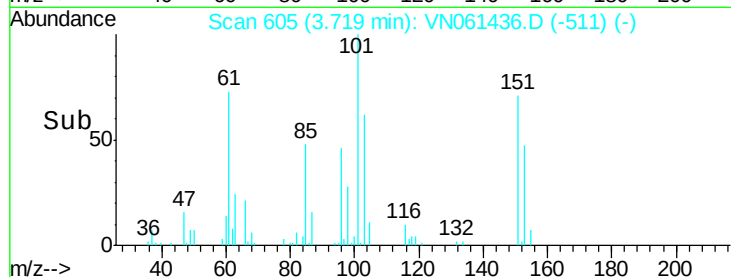
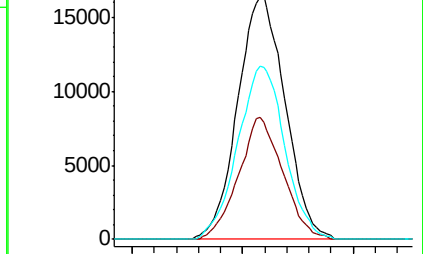
151 70.6 56.3 84.5



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: 20.088 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

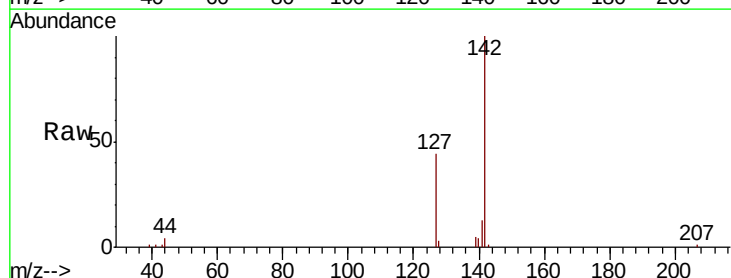
Tgt Ion:142 Resp: 61723

Ion Ratio Lower Upper

142 100

127 45.9 36.7 55.1

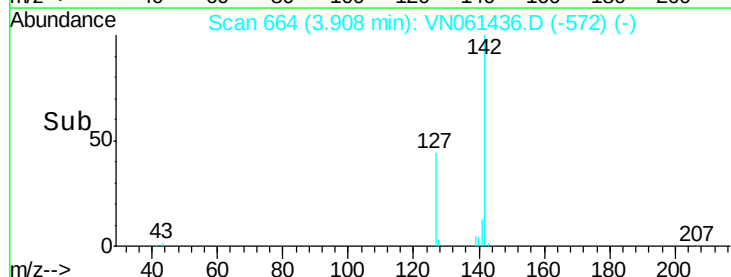
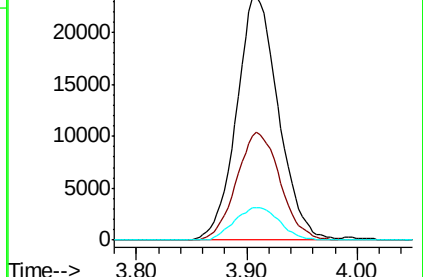
141 14.4 11.5 17.3

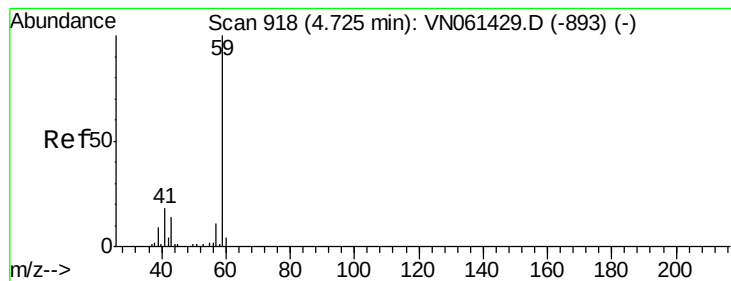


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



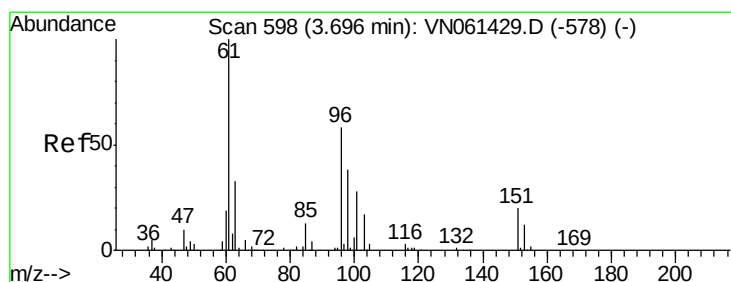
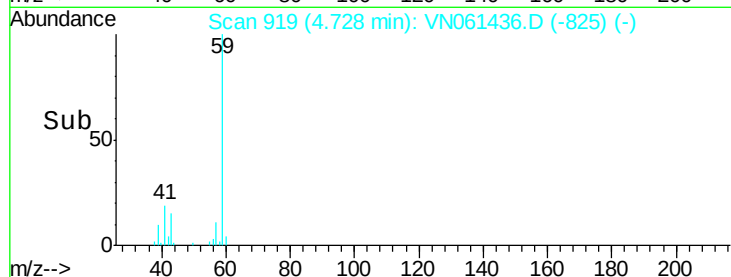
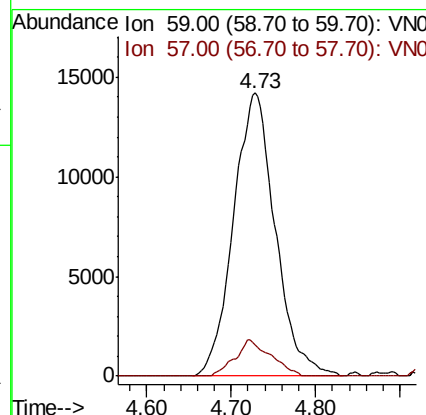
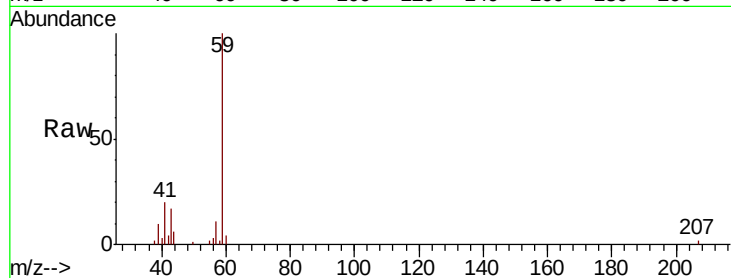


#11

Tert butyl alcohol
 Concen: 110.160 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :

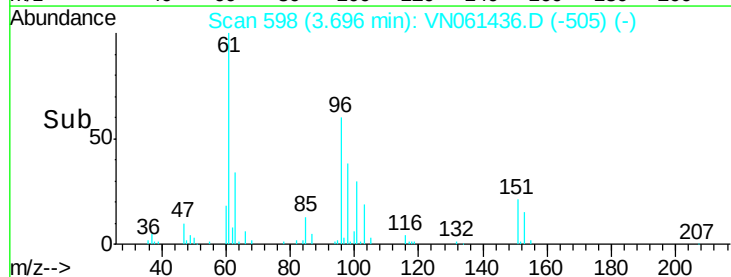
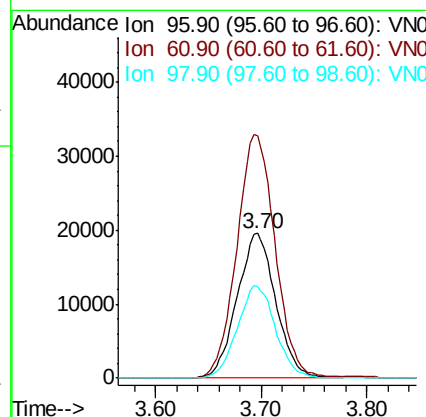
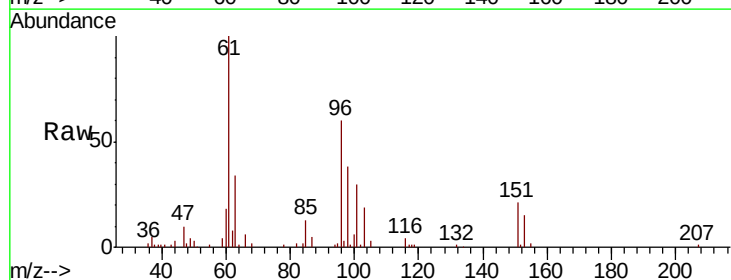
Tot Ion: 59 Resp: 48906
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.2 12.2

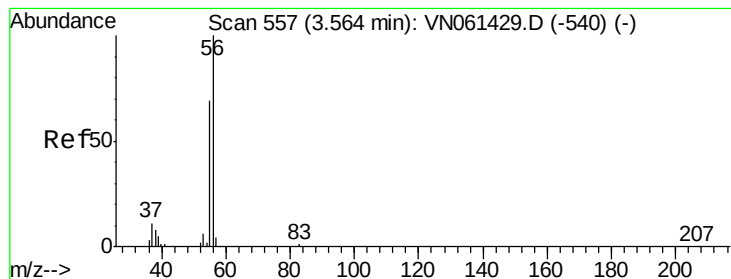


#12

1,1-Dichloroethene
 Concen: 18.856 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion: 96 Resp: 49899
 Ion Ratio Lower Upper
 96 100
 61 167.2 138.7 208.1
 98 63.0 53.0 79.6





#13

Acrolein

Concen: 80.242 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

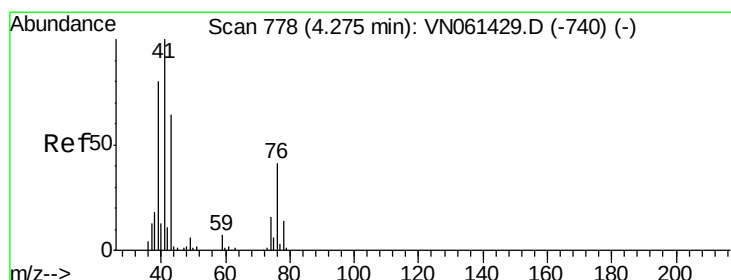
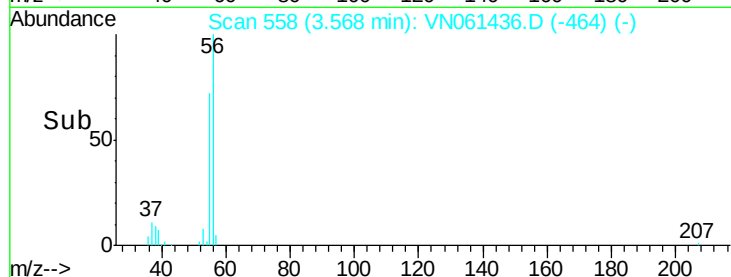
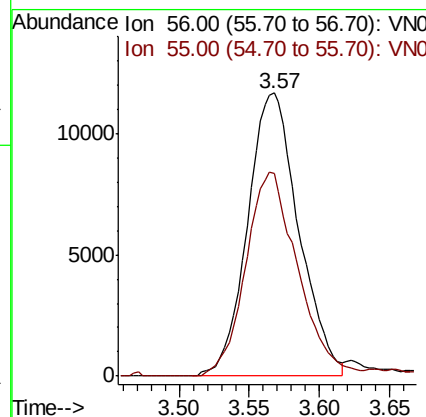
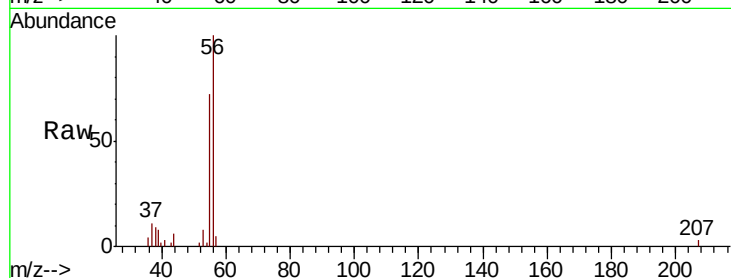
ClientSampled :

Tot Ion: 56 Resp: 29562

Ion Ratio Lower Upper

56 100

55 73.4 54.8 82.2



#14

Allyl chloride

Concen: 19.838 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

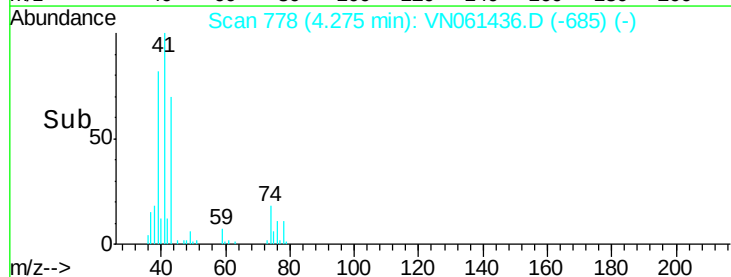
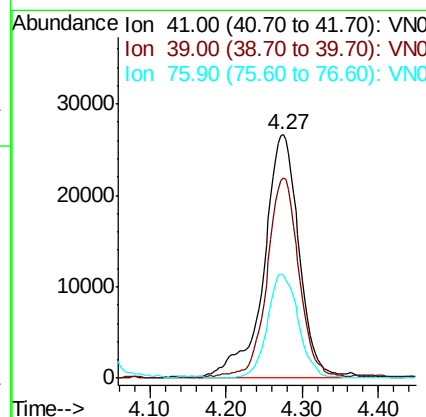
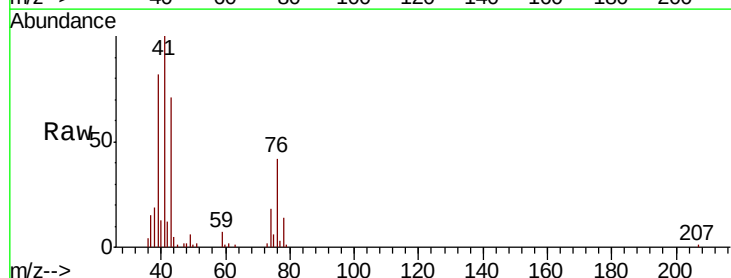
Tgt Ion: 41 Resp: 85435

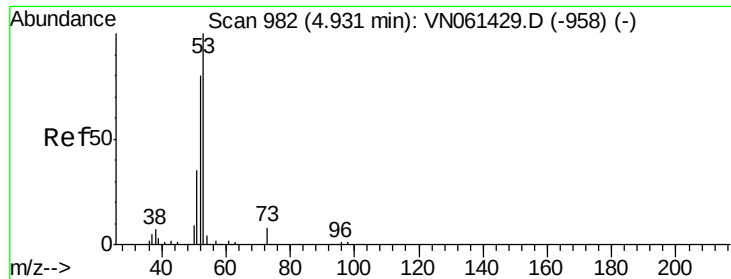
Ion Ratio Lower Upper

41 100

39 72.3 61.2 91.8

76 37.6 29.9 44.9





#15

Acrylonitrile

Concen: 102.410 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampled :

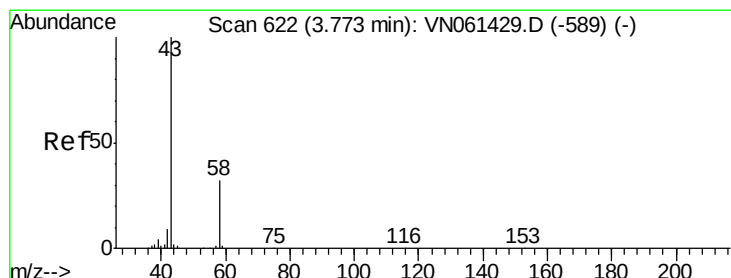
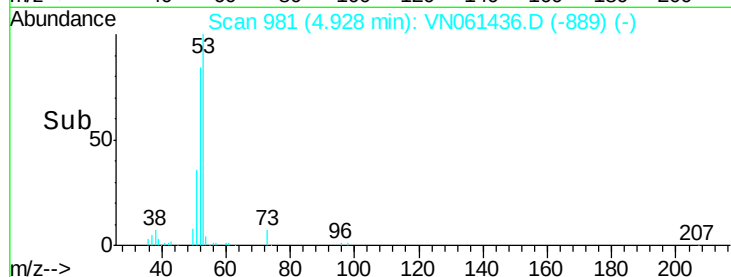
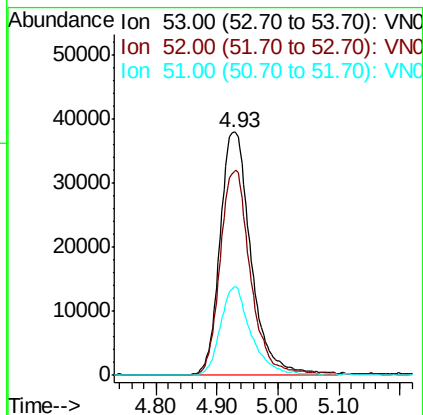
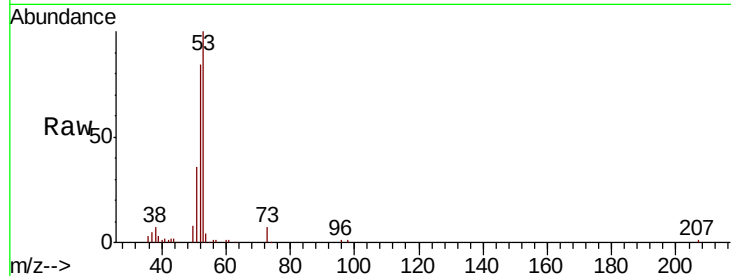
Tot Ion: 53 Resp: 134699

Ion Ratio Lower Upper

53 100

52 81.8 64.7 97.1

51 35.2 29.5 44.3



#16

Acetone

Concen: 98.785 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061436.D

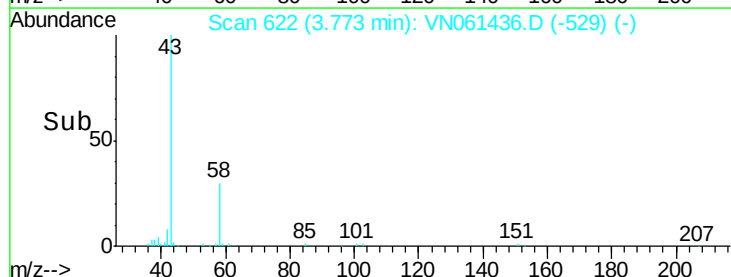
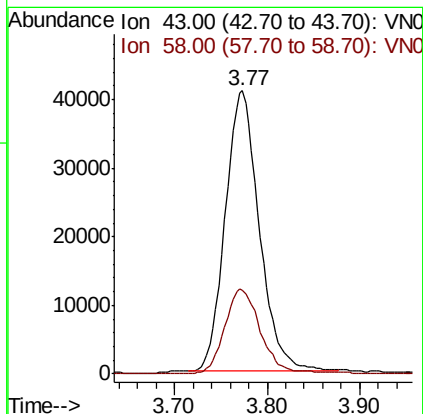
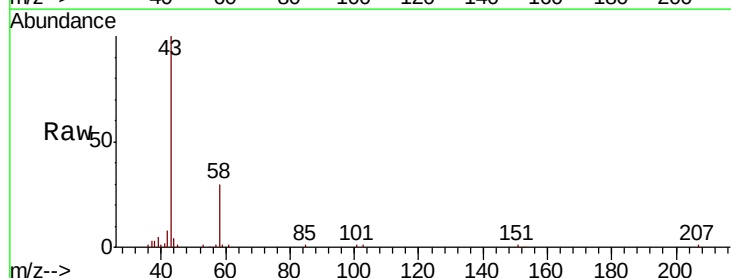
Acq: 18 May 2020 15:54

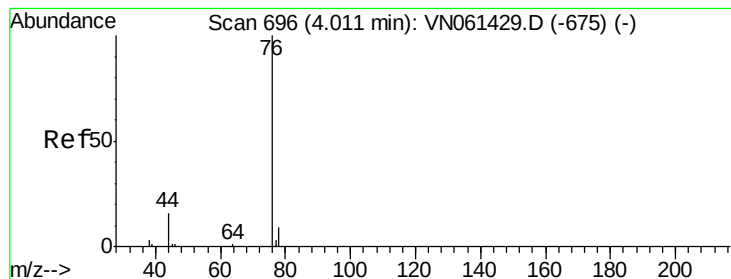
Tgt Ion: 43 Resp: 104195

Ion Ratio Lower Upper

43 100

58 29.8 25.6 38.4





#17

Carbon Disulfide

Concen: 21.406 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

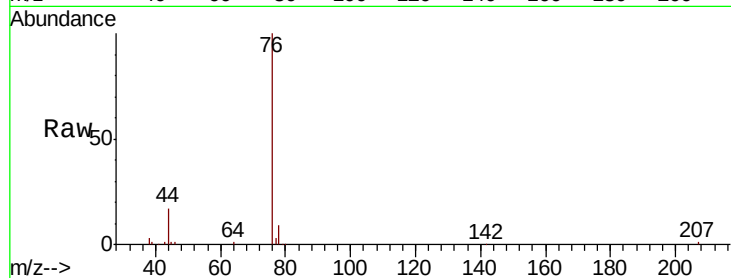
ClientSampled :

Tot Ion: 76 Resp: 131935

Ion Ratio Lower Upper

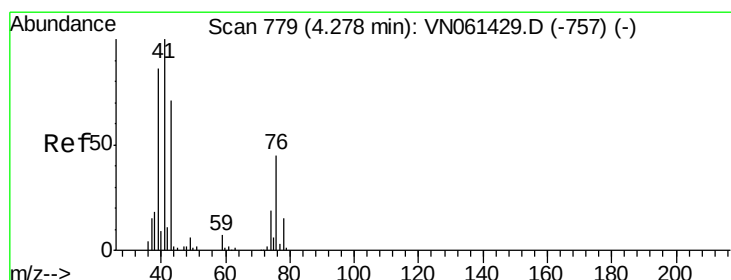
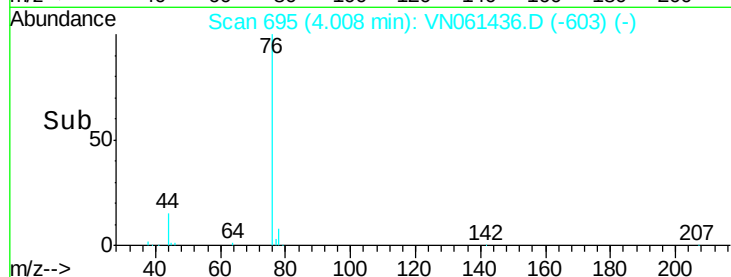
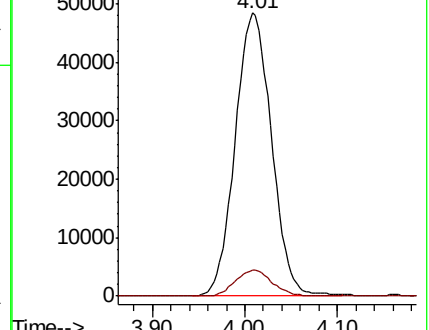
76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN061429.D (-675) (-)

Ion 77.90 (77.60 to 78.60): VN061429.D (-675) (-)



#18

Methyl Acetate

Concen: 19.680 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061436.D

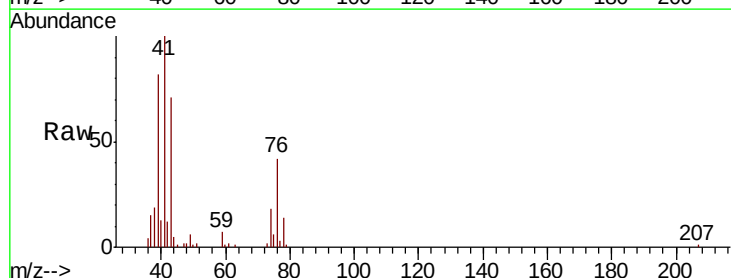
Acq: 18 May 2020 15:54

Tgt Ion: 43 Resp: 53716

Ion Ratio Lower Upper

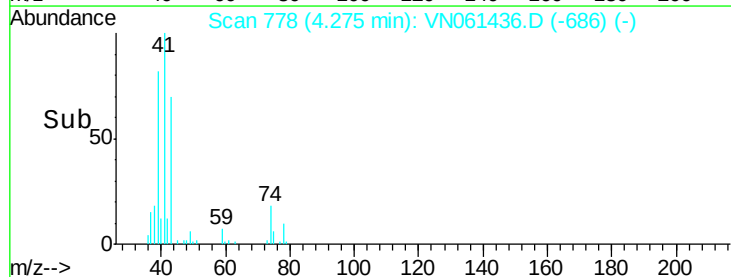
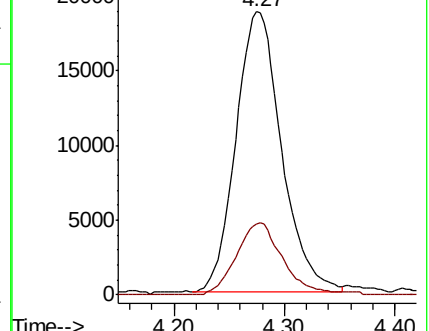
43 100

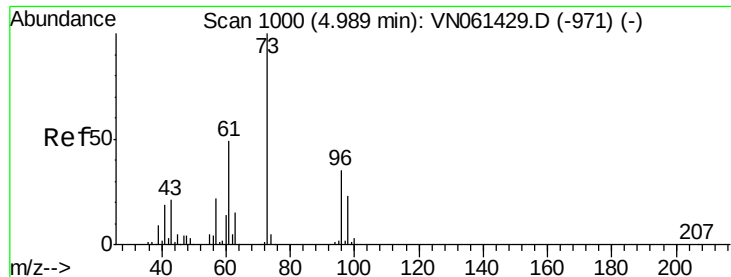
74 26.4 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-757) (-)

Ion 74.00 (73.70 to 74.70): VN061429.D (-757) (-)

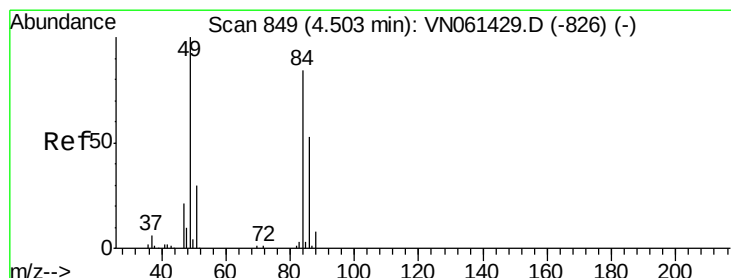
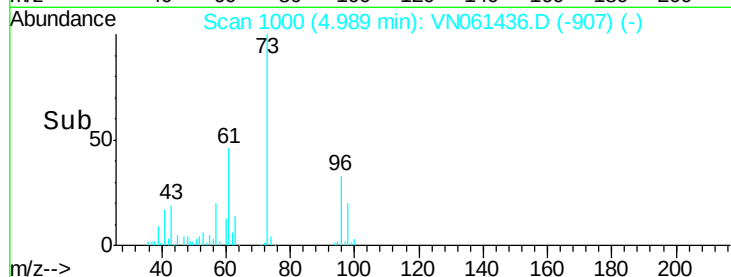
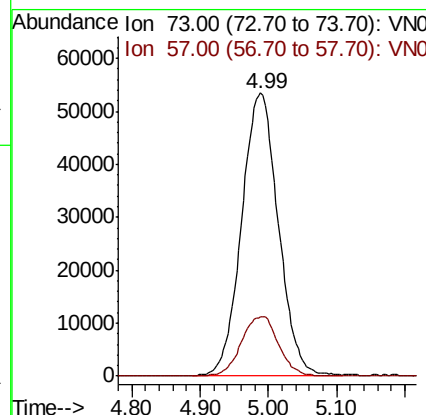
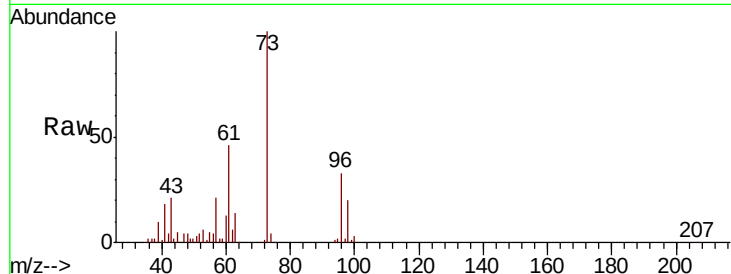




#19
Methyl tert-butyl Ether
Concen: 19.913 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

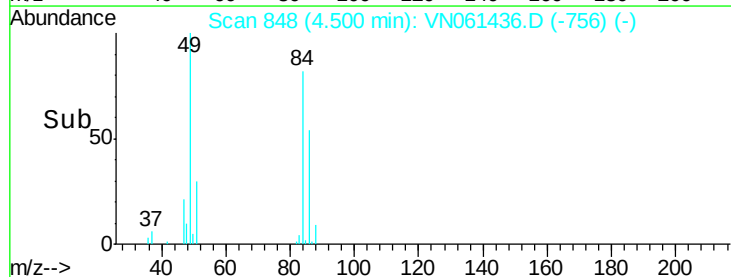
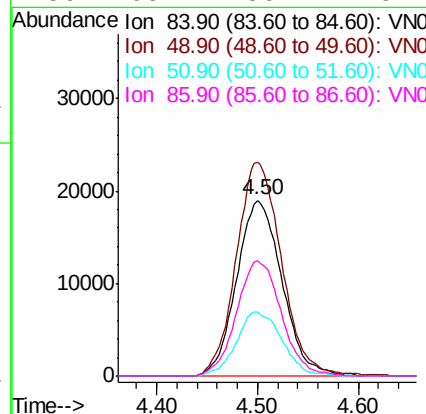
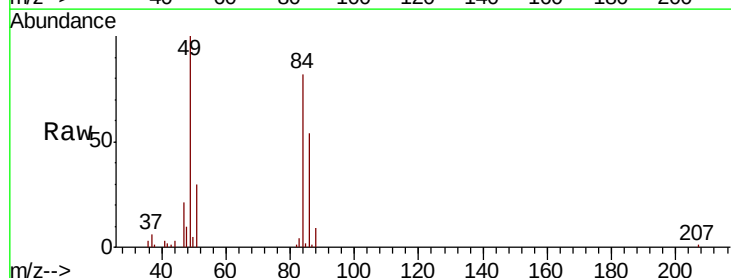
Instrument :
MSVOA_N
ClientSampled :

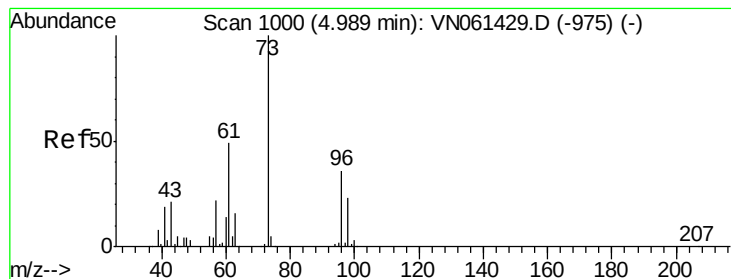
Tot Ion: 73 Resp: 199974
Ion Ratio Lower Upper
73 100
57 20.9 17.4 26.0



#20
Methylene Chloride
Concen: 18.725 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion: 84 Resp: 59295
Ion Ratio Lower Upper
84 100
49 121.4 95.3 142.9
51 36.1 29.0 43.6
86 65.7 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 18.975 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

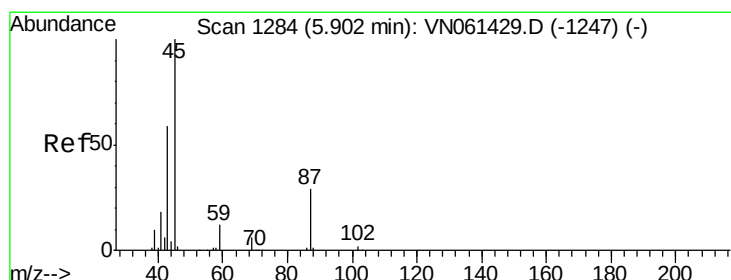
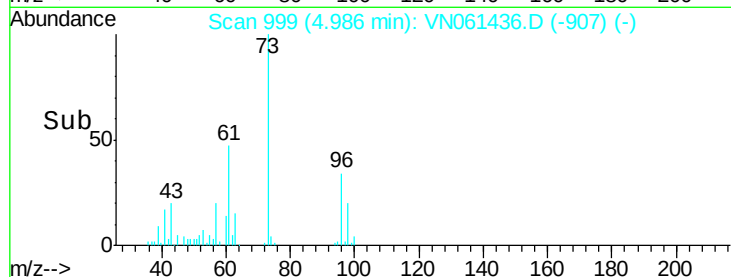
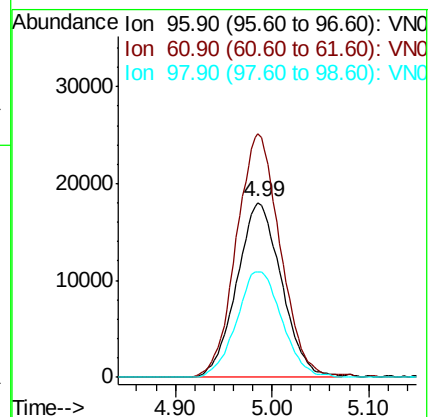
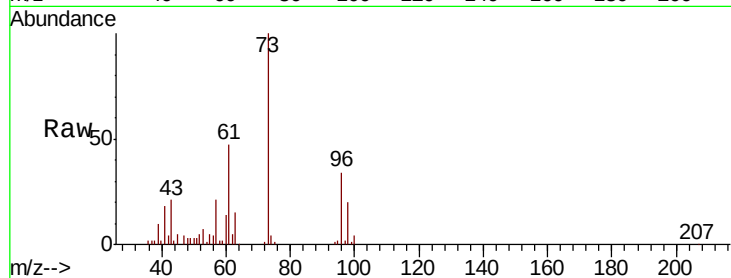
Tot Ion: 96 Resp: 57900

Ion Ratio Lower Upper

96 100

61 139.5 109.8 164.6

98 60.2 52.4 78.6



#22

Diisopropyl ether

Concen: 19.633 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Tgt Ion: 45 Resp: 190000

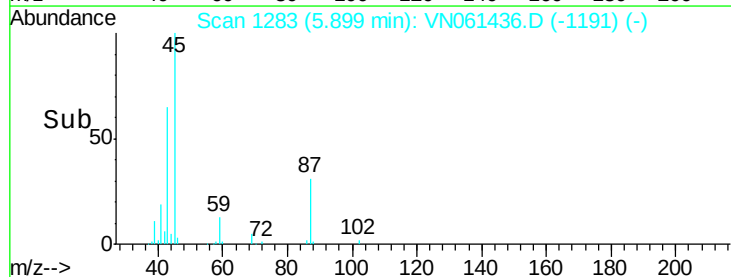
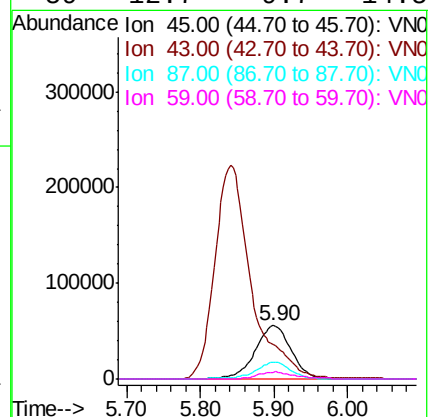
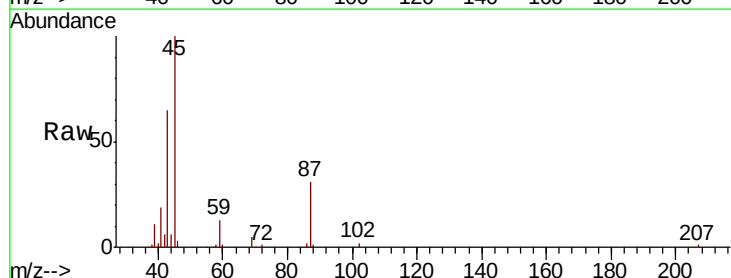
Ion Ratio Lower Upper

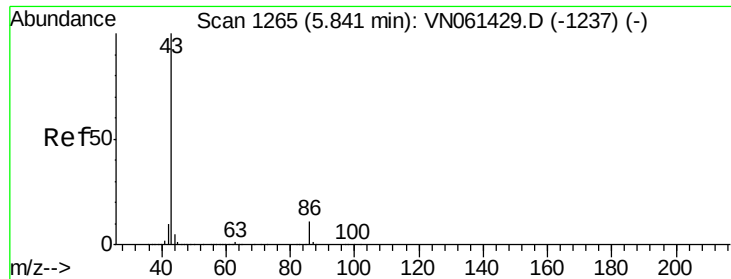
45 100

43 62.6 47.9 71.9

87 31.1 24.0 36.0

59 12.7 9.7 14.5





#23

Vinyl Acetate

Concen: 100.234 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

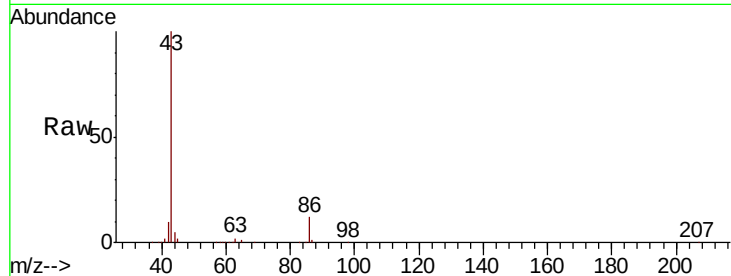
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 771371

Ion Ratio Lower Upper

43 100

86 11.6 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-1237) (-)

Ion 86.00 (85.70 to 86.70): VN061429.D (-1237) (-)

5.84

250000

200000

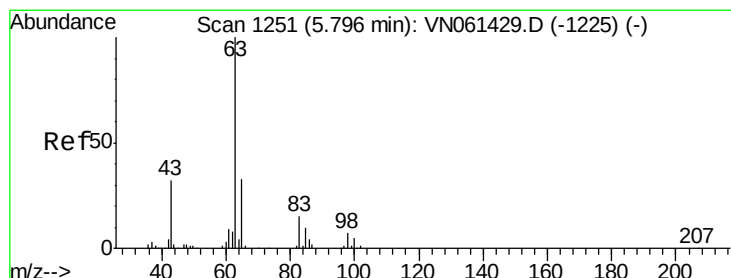
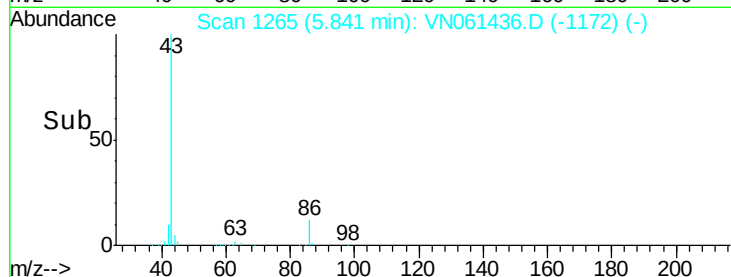
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.459 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

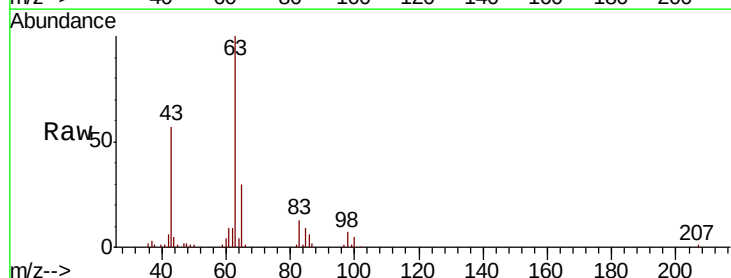
Tgt Ion: 63 Resp: 109837

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 4.7 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VN061429.D (-1225) (-)

Ion 97.90 (97.60 to 98.60): VN061429.D (-1225) (-)

Ion 99.90 (99.60 to 100.60): VN061429.D (-1225) (-)

5.80

40000

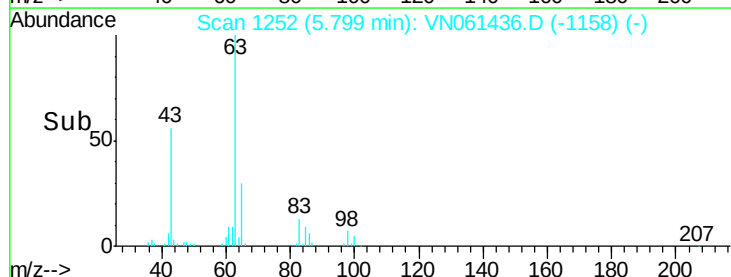
30000

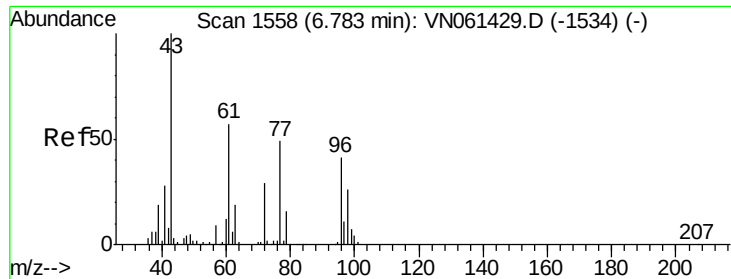
20000

10000

0

Time-->





#25

2-Butanone

Concen: 98.995 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

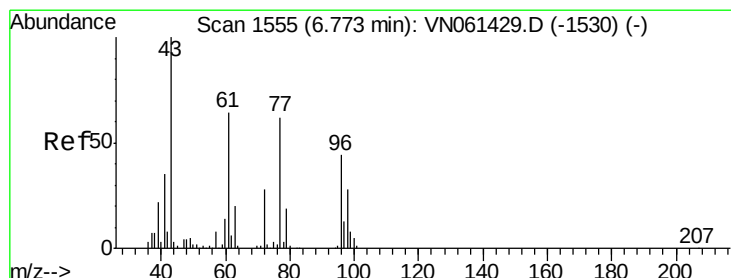
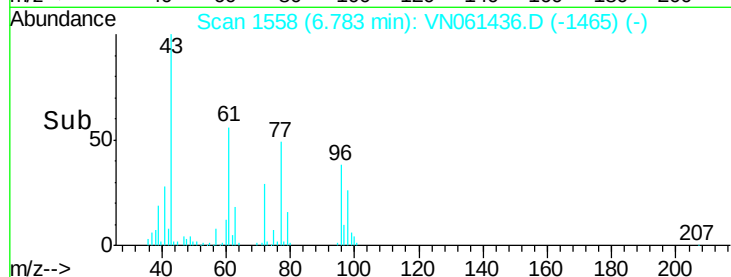
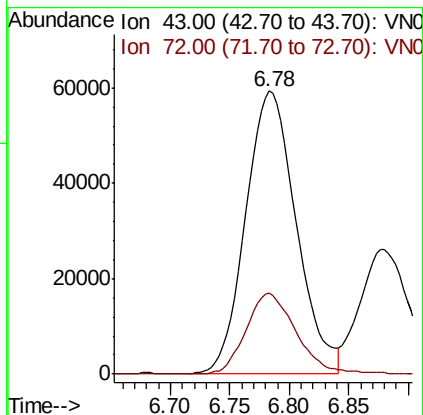
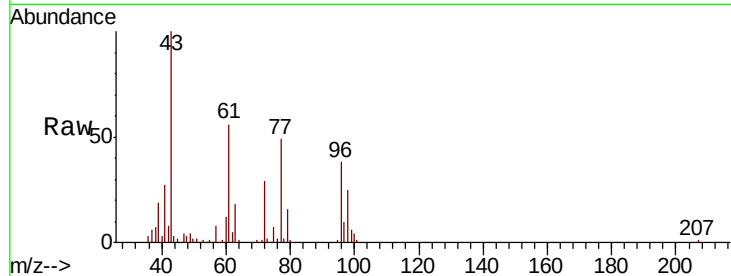
ClientSampled :

Tot Ion: 43 Resp: 173667

Ion Ratio Lower Upper

43 100

72 28.6 23.0 34.6



#26

2,2-Dichloropropane

Concen: 18.515 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN061436.D

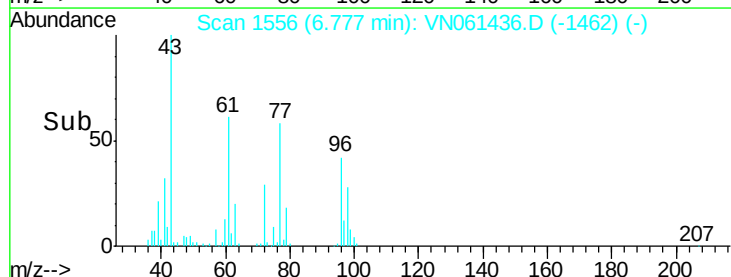
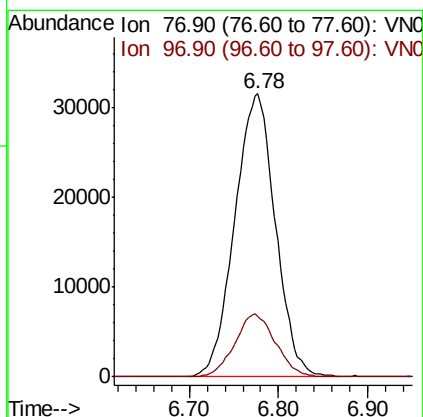
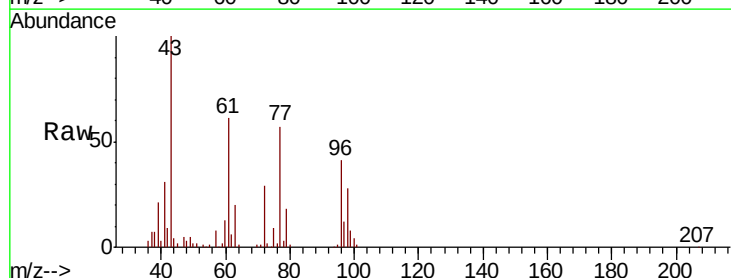
Acq: 18 May 2020 15:54

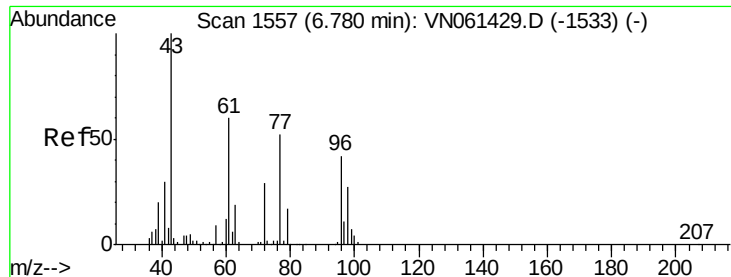
Tgt Ion: 77 Resp: 99626

Ion Ratio Lower Upper

77 100

97 22.2 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 19.085 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampled :

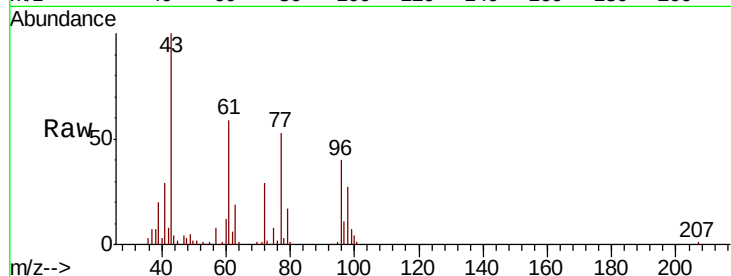
Tot Ion: 96 Resp: 68790

Ion Ratio Lower Upper

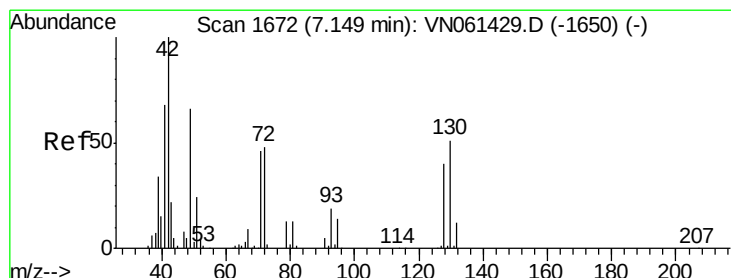
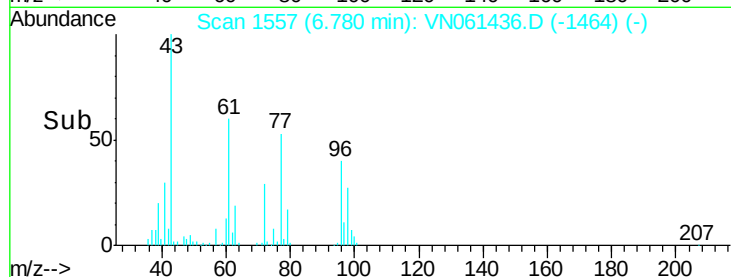
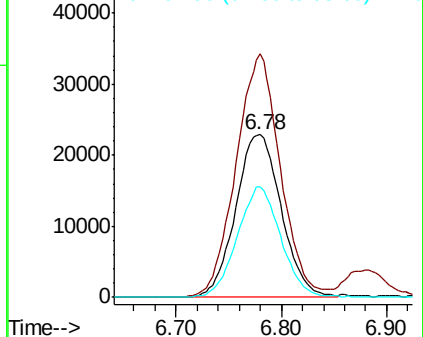
96 100

61 145.6 0.0 294.2

98 64.9 0.0 128.2



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



#28

Bromochloromethane

Concen: 22.183 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

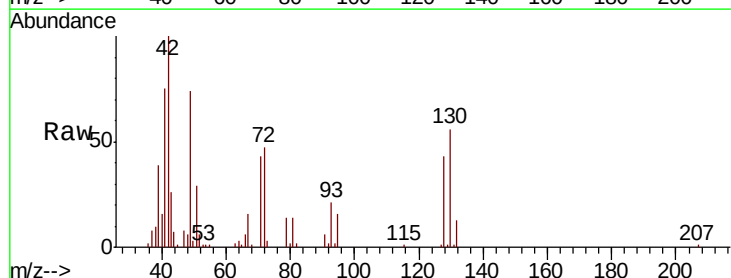
Tgt Ion: 49 Resp: 53150

Ion Ratio Lower Upper

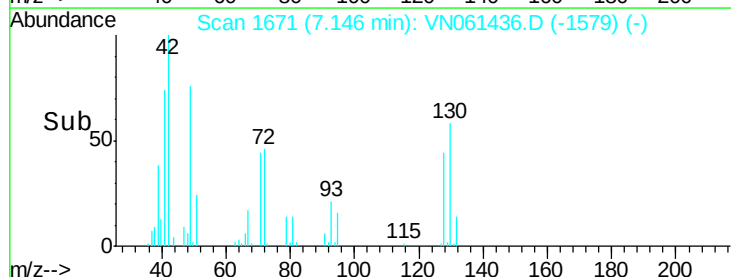
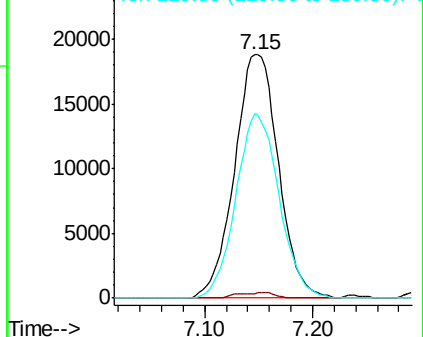
49 100

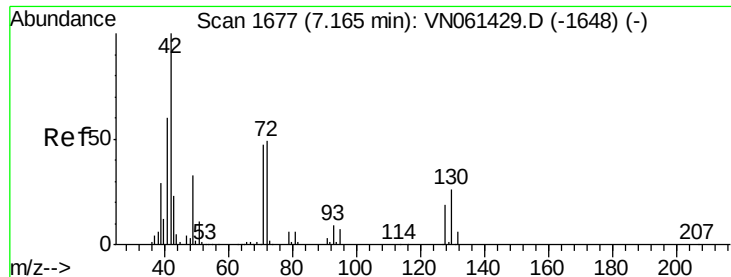
129 1.1 0.0 4.6

130 74.7 62.2 93.2



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

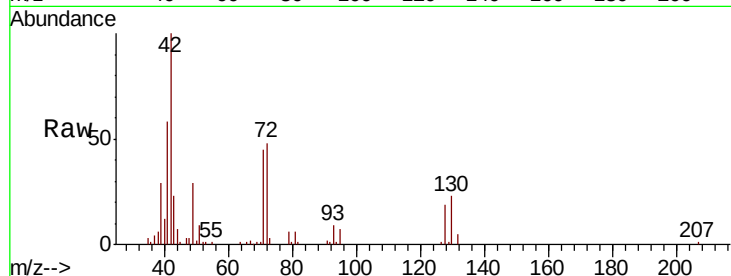




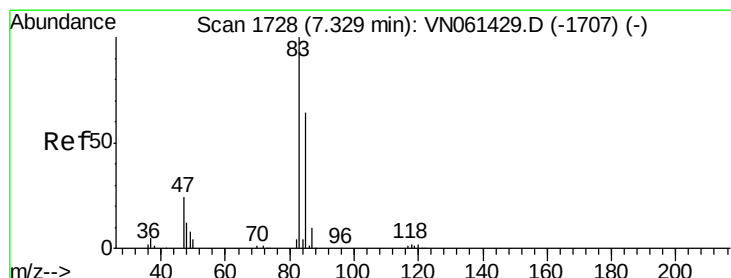
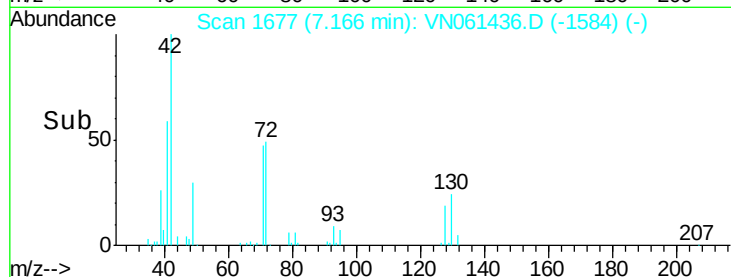
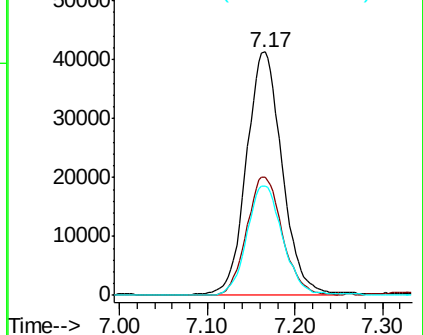
#29
Tetrahydrofuran
Concen: 101.279 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 117669
Ion Ratio Lower Upper
42 100
72 48.2 39.0 58.6
71 45.1 36.9 55.3

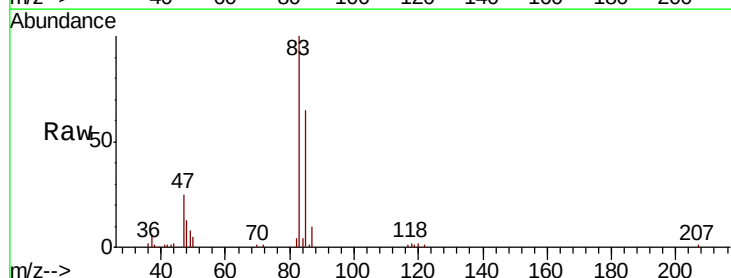


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

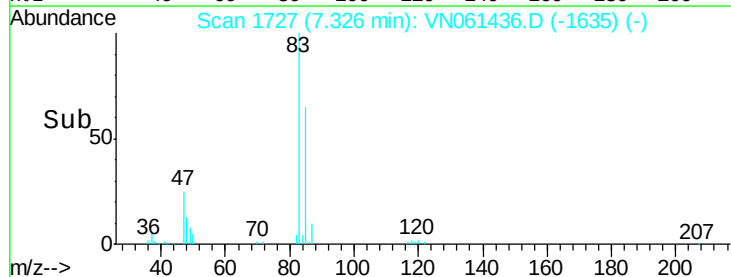
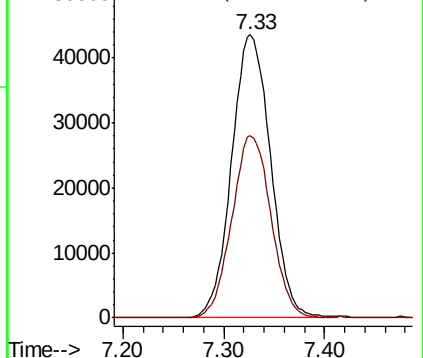


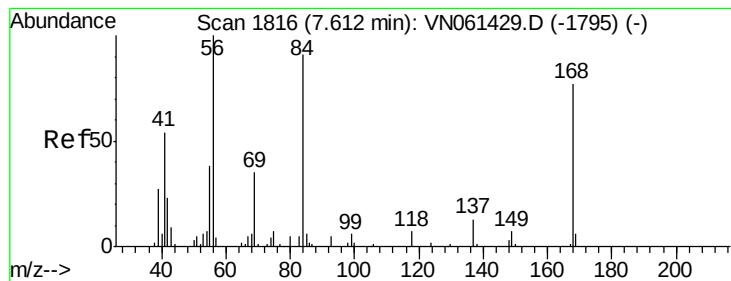
#30
Chloroform
Concen: 19.857 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion: 83 Resp: 117067
Ion Ratio Lower Upper
83 100
85 64.6 51.0 76.4



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





#31

Cyclohexane

Concen: 18.243 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampled :

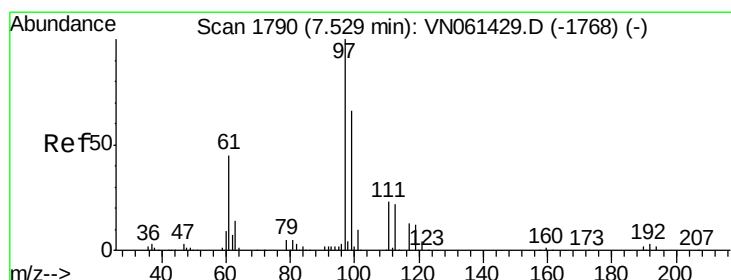
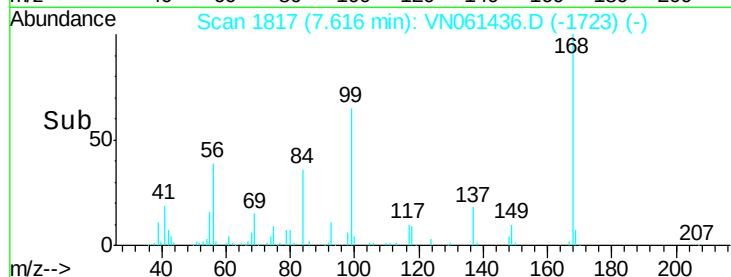
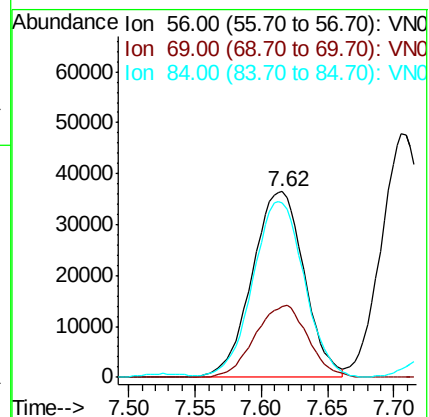
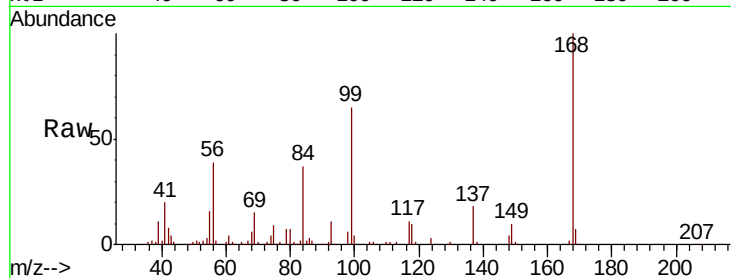
Tot Ion: 56 Resp: 100032

Ion Ratio Lower Upper

56 100

69 37.9 27.8 41.6

84 92.9 72.7 109.1



#32

1,1,1-Trichloroethane

Concen: 18.908 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

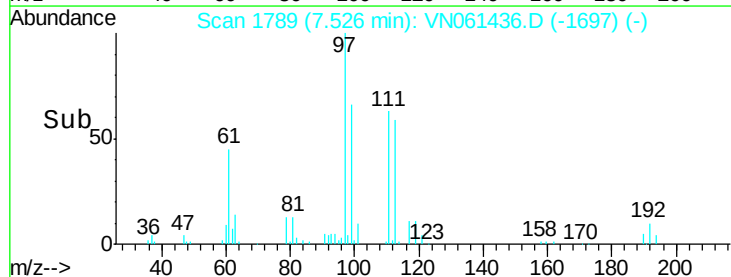
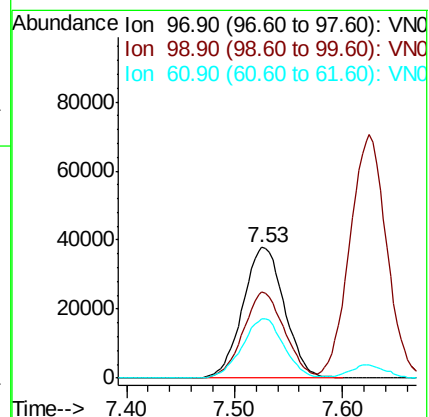
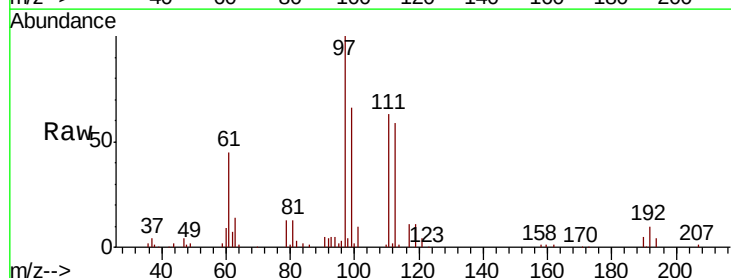
Tgt Ion: 97 Resp: 101866

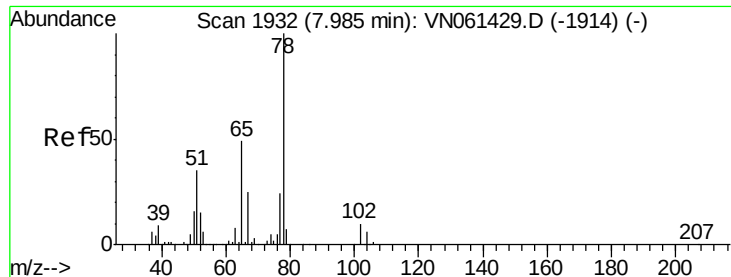
Ion Ratio Lower Upper

97 100

99 64.7 51.5 77.3

61 45.6 35.8 53.6

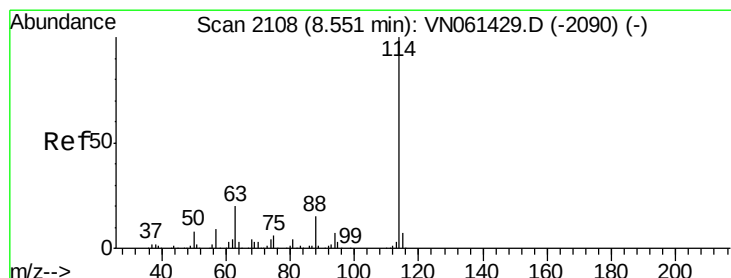
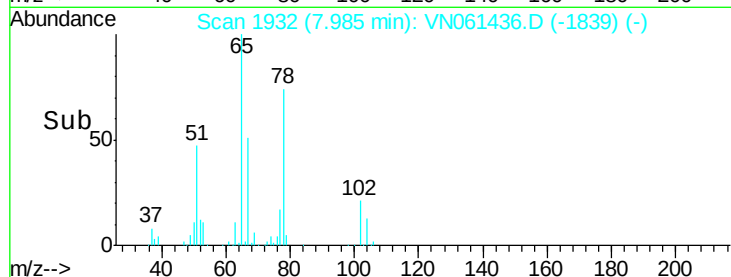
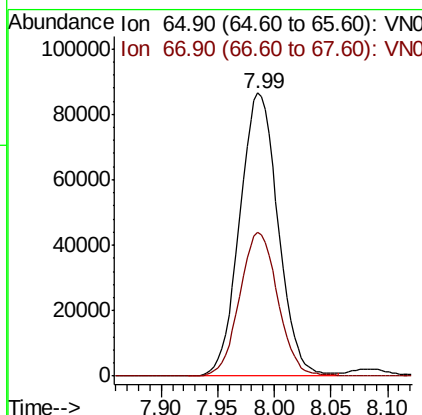
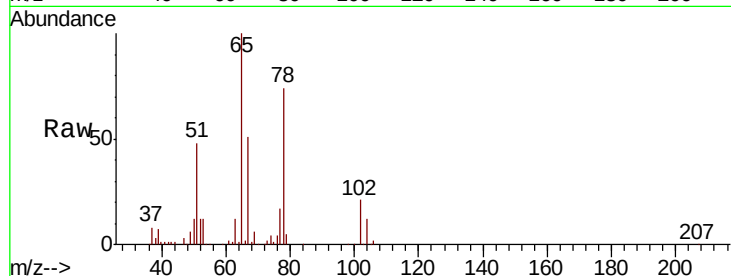




#33
 1,2-Dichloroethane-d4
 Concen: 53.079 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

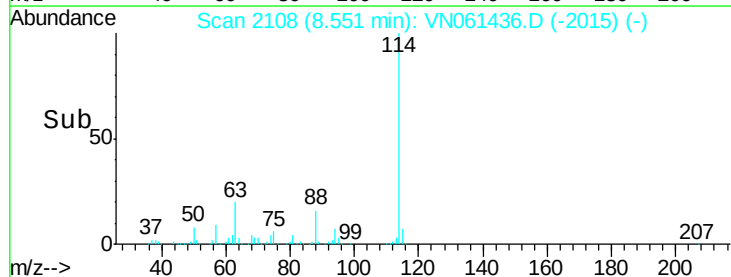
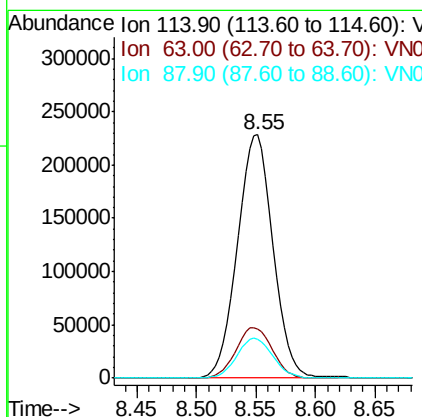
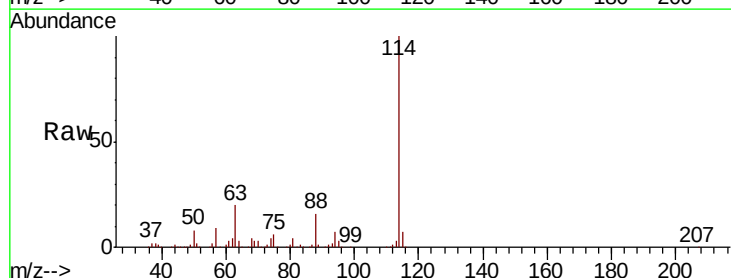
Instrument :
 MSVOA_N
 ClientSampleId :

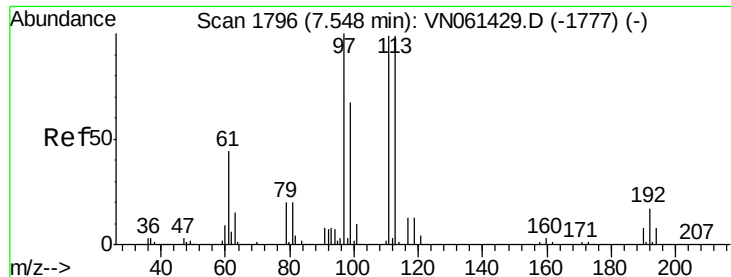
Tot Ion: 65 Resp: 204513
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion: 114 Resp: 473492
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 16.1 0.0 30.8

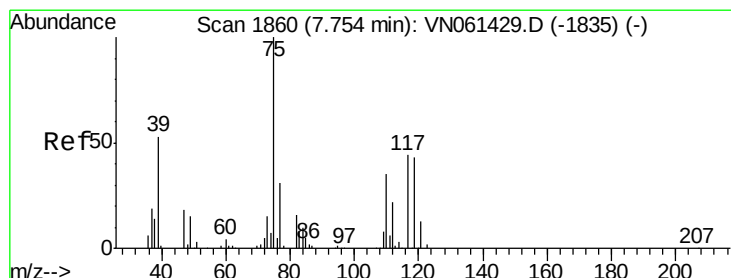
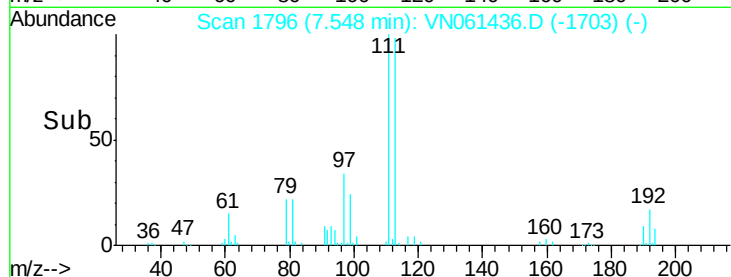
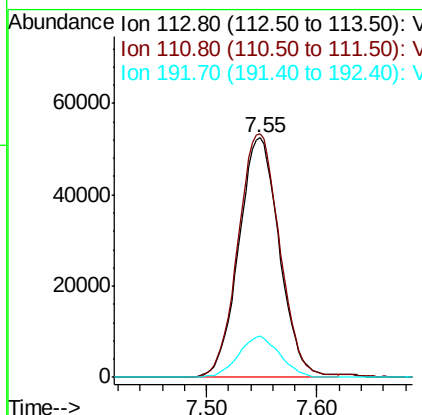
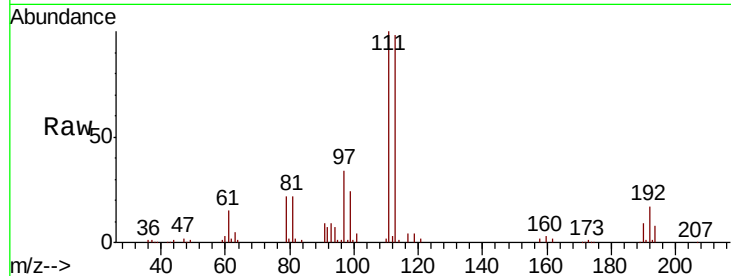




#35
 Dibromofluoromethane
 Concen: 53.949 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

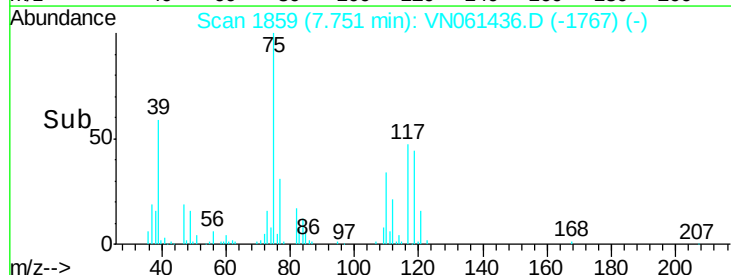
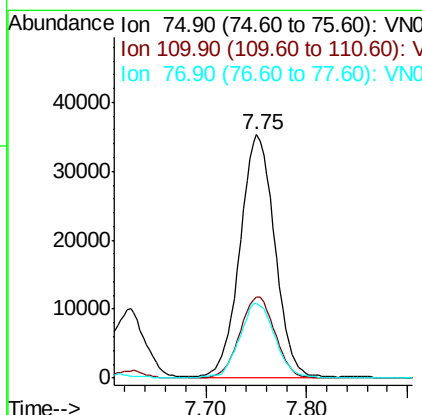
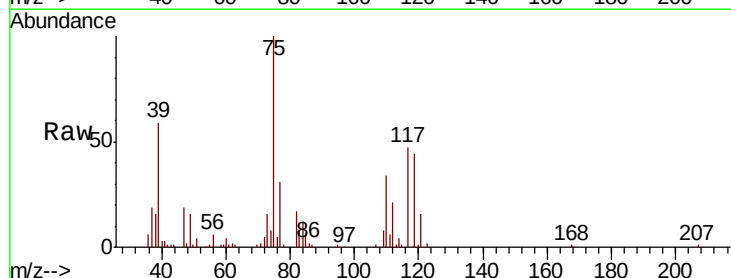
Instrument :
 MSVOA_N
 ClientSampleId :

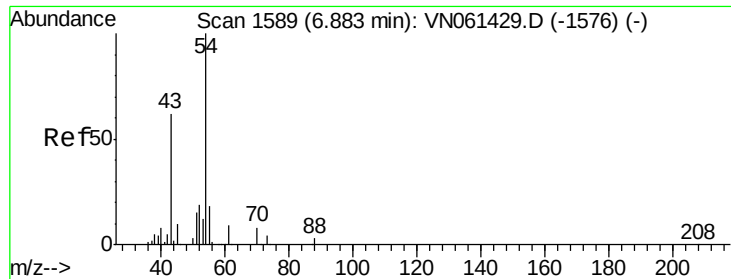
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	80.6	121.0
192	17.4	13.2	19.8



#36
 1,1-Dichloropropene
 Concen: 19.187 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.3	17.3	51.9
77	31.1	24.9	37.3

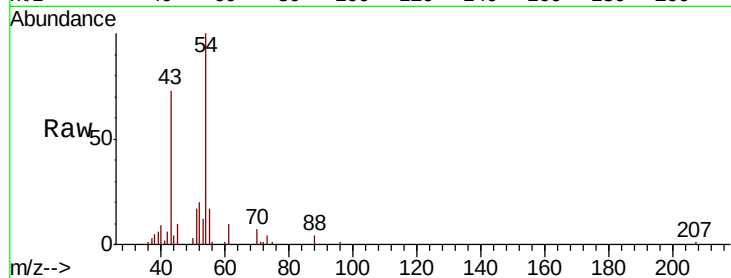




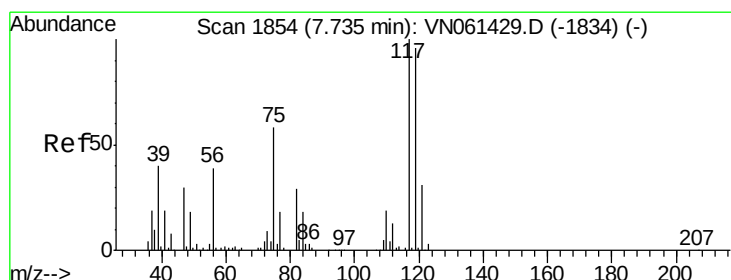
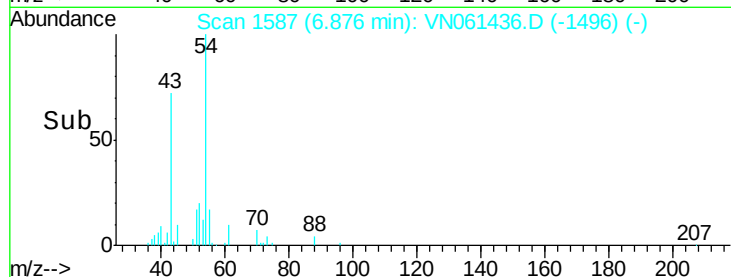
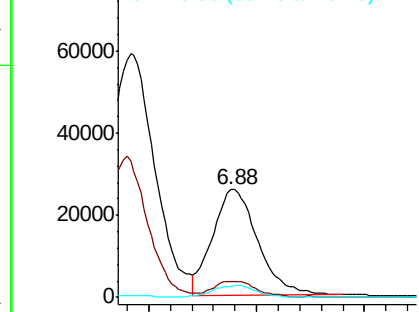
#37
Ethyl Acetate
Concen: 18.815 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 75544
Ion Ratio Lower Upper
43 100
61 13.3 11.7 17.5
70 10.9 9.2 13.8

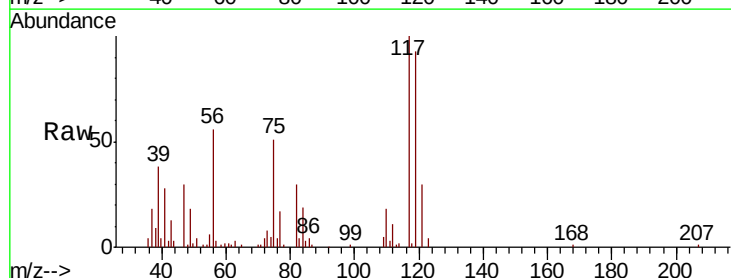


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

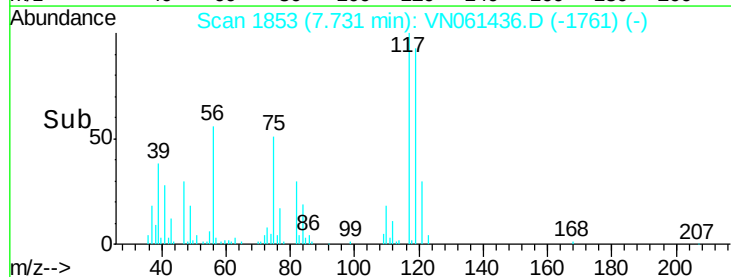
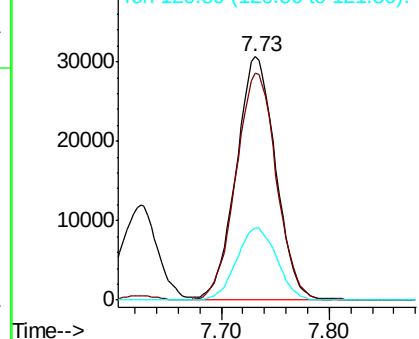


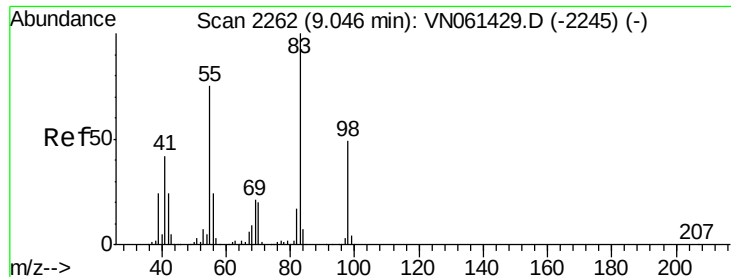
#38
Carbon Tetrachloride
Concen: 19.174 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion: 117 Resp: 78169
Ion Ratio Lower Upper
117 100
119 93.1 77.0 115.6
121 29.6 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

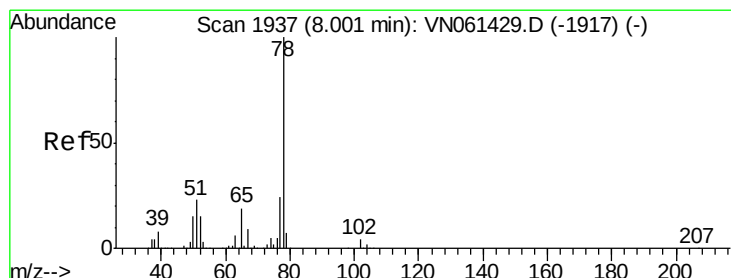
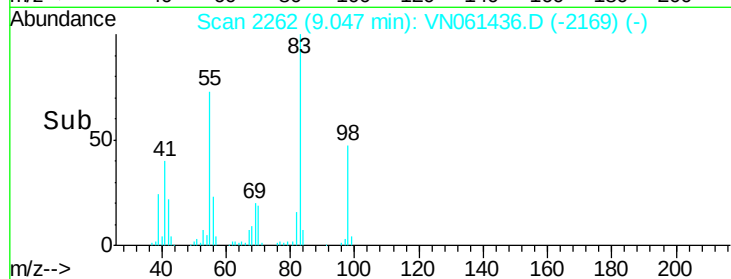
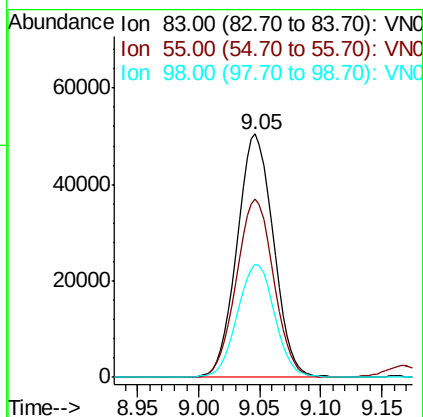
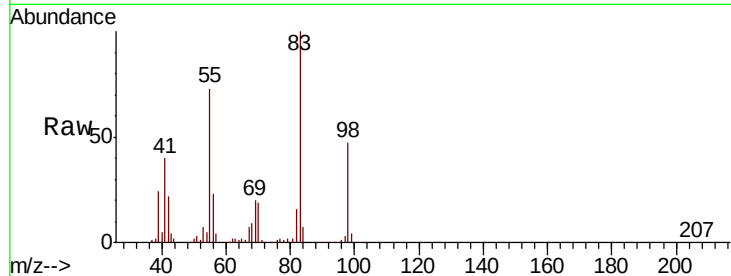




#39
Methylvlcyclohexane
Concen: 19.277 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

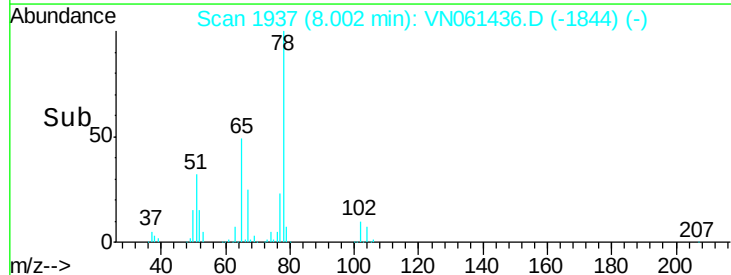
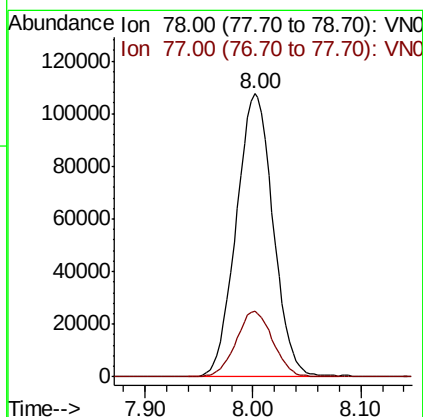
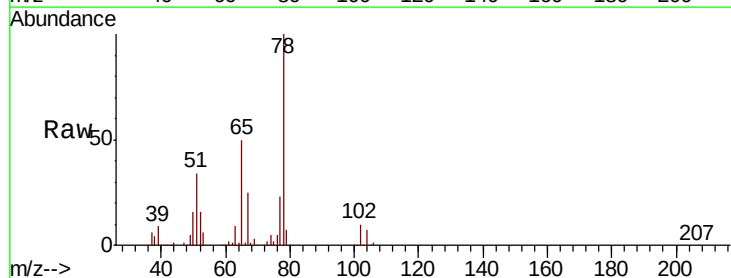
Instrument :
MSVOA_N
ClientSampleId :

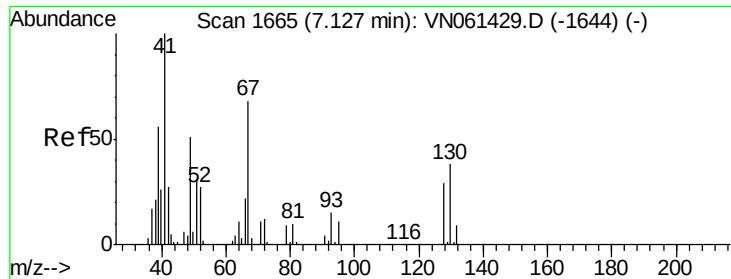
Tot Ion: 83 Resp: 104239
Ion Ratio Lower Upper
83 100
55 73.0 59.7 89.5
98 46.5 38.9 58.3



#40
Benzene
Concen: 19.171 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion: 78 Resp: 255790
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7

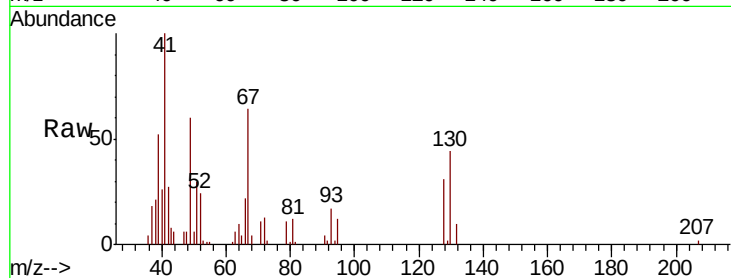




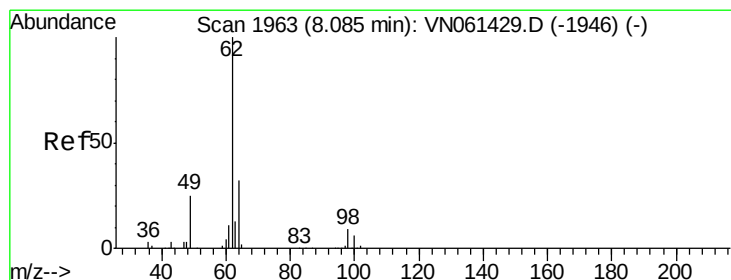
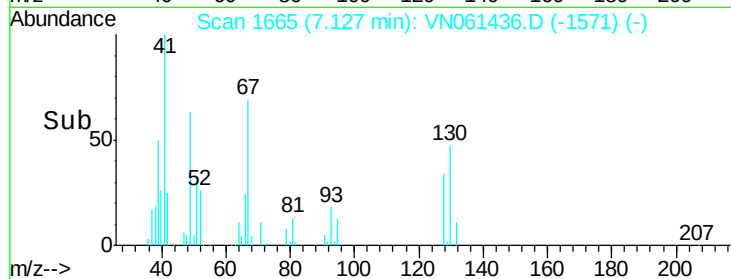
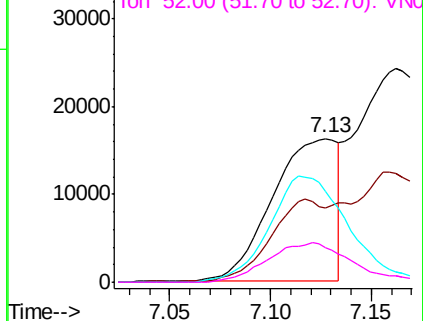
#41
Methacrylonitrile
Concen: 21.342 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	36192
Ion	Ratio	Lower	Upper
41	100		
39	48.1	48.3	72.5#
67	91.3	74.2	111.4
52	36.2	30.8	46.2

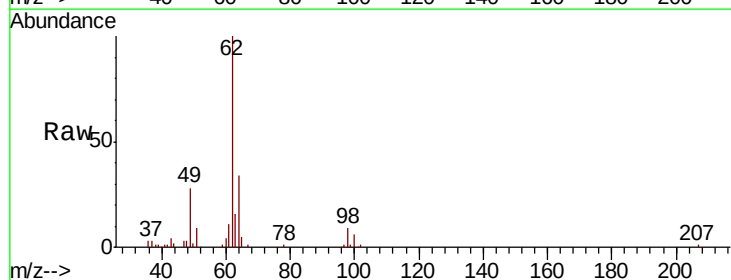


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

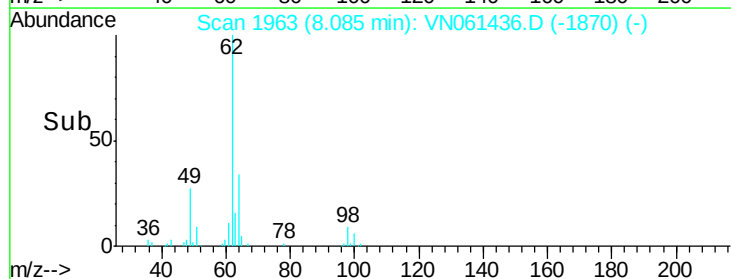
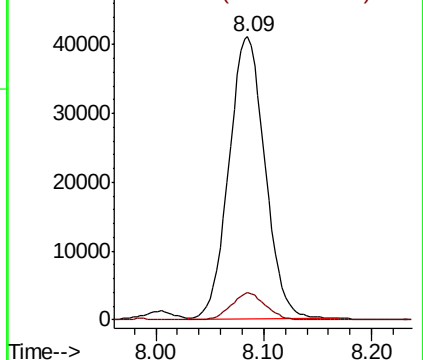


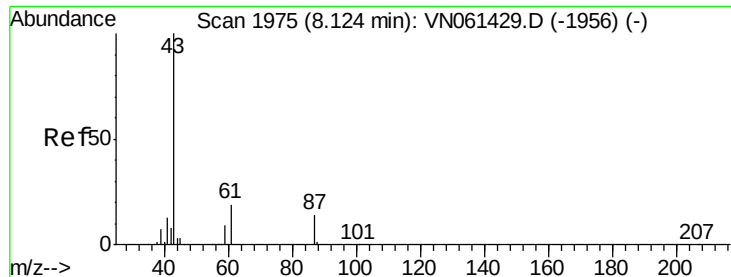
#42
1,2-Dichloroethane
Concen: 19.893 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion:	62	Resp:	95624
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4



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





#43

Isopropyl Acetate

Concen: 19.730 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

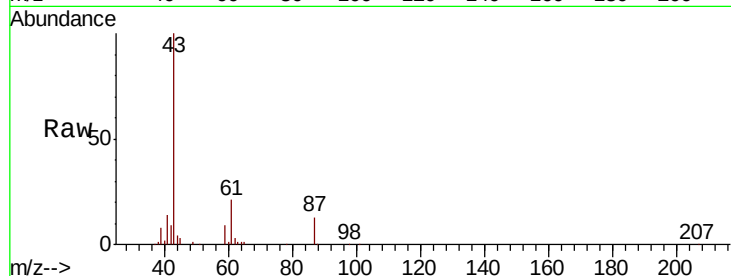
Tot Ion: 43 Resp: 138165

Ion Ratio Lower Upper

43 100

61 20.7 23.0 34.4#

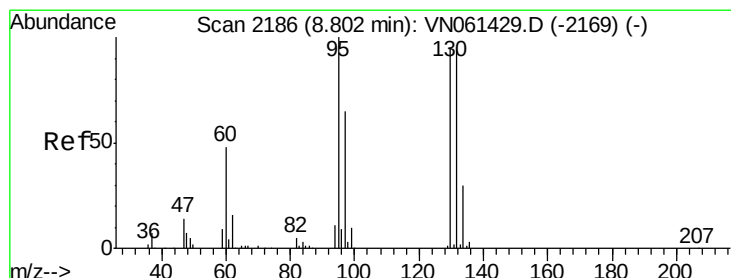
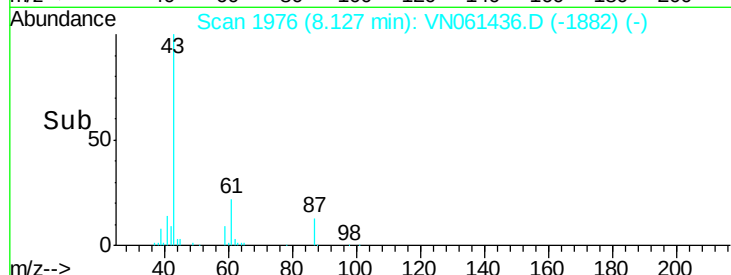
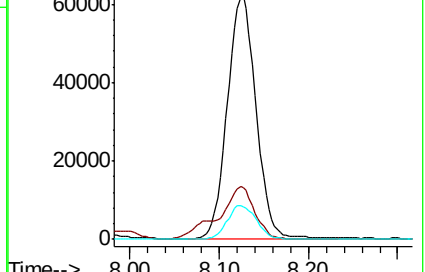
87 14.1 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-1956) (-)

Ion 61.00 (60.70 to 61.70): VN061429.D (-1956) (-)

Ion 87.00 (86.70 to 87.70): VN061429.D (-1956) (-)



#44

Trichloroethene

Concen: 19.374 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061436.D

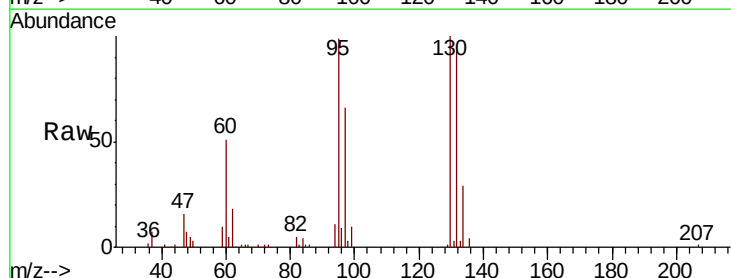
Acq: 18 May 2020 15:54

Tgt Ion:130 Resp: 67732

Ion Ratio Lower Upper

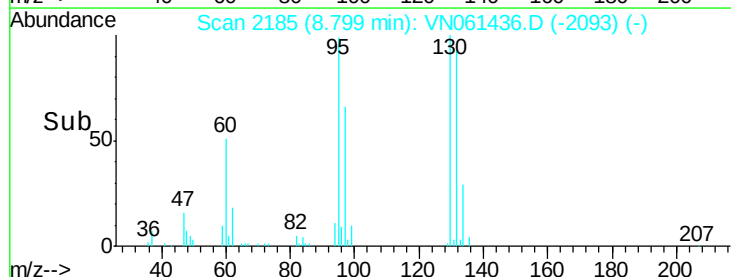
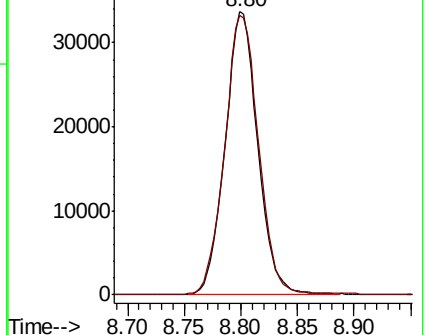
130 100

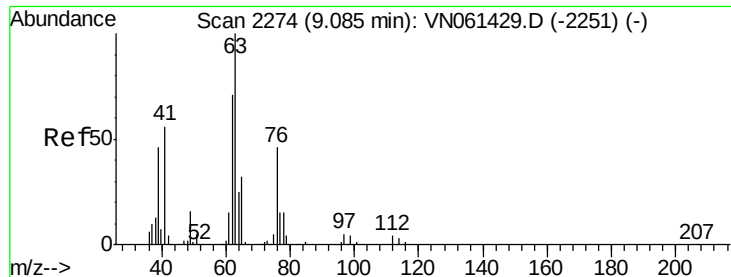
95 98.4 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): VN061429.D (-2169) (-)

Ion 94.90 (94.60 to 95.60): VN061429.D (-2169) (-)

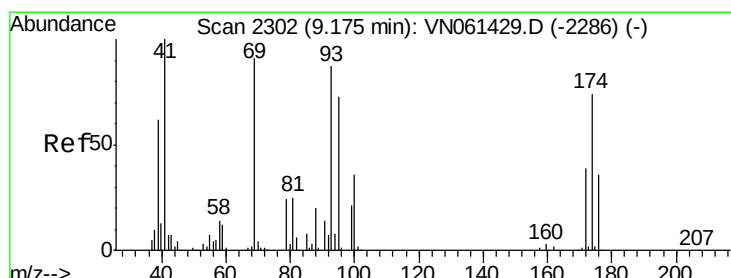
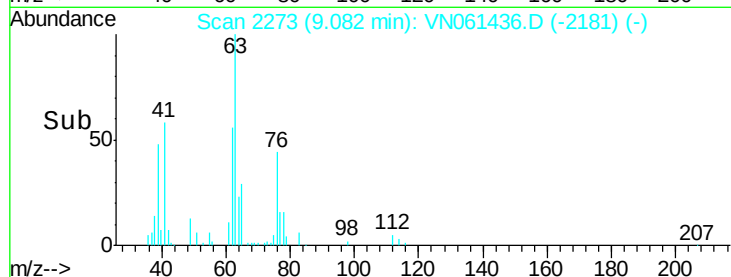
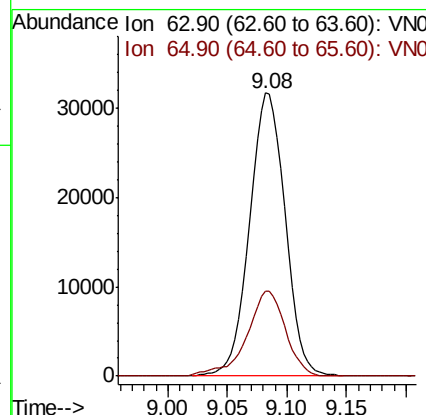
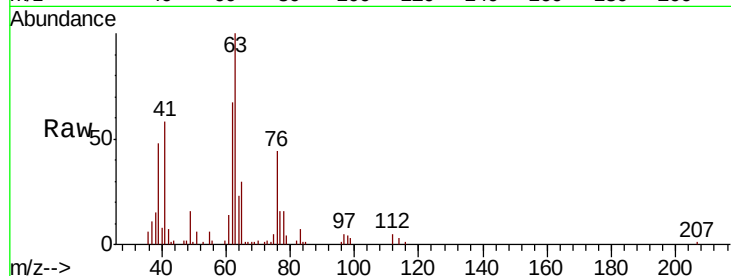




#45
 1,2-Dichloropropane
 Concen: 19.747 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

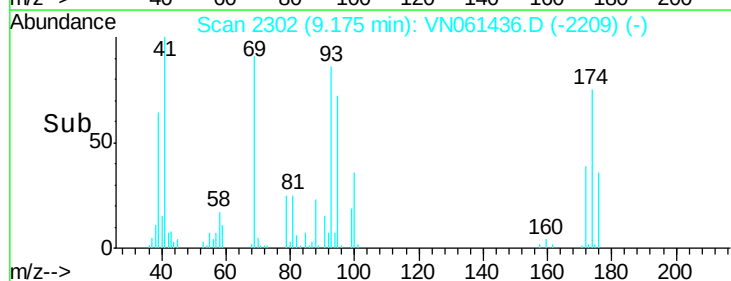
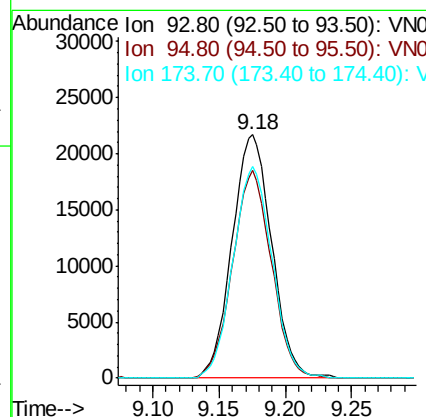
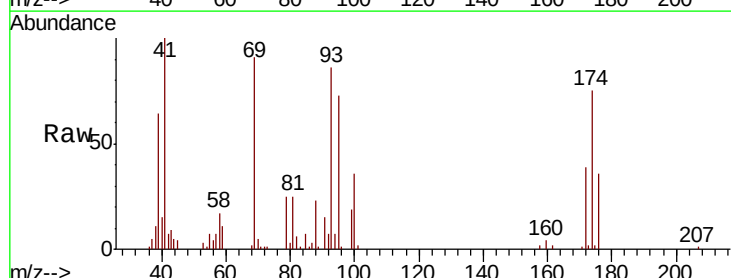
Instrument :
 MSVOA_N
 ClientSampleId :

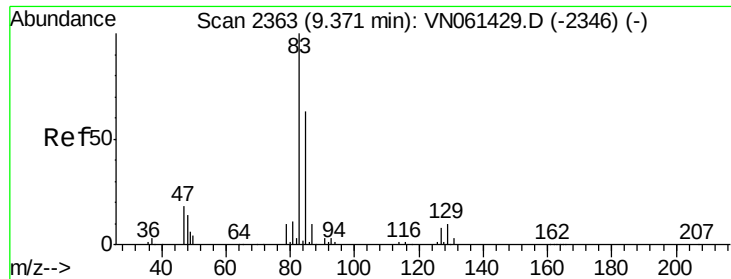
Tot Ion: 63 Resp: 65948
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.2 37.8



#46
 Dibromomethane
 Concen: 19.225 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion: 93 Resp: 45008
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.6 98.4
 174 85.7 68.0 102.0





#47

Bromodichloromethane

Concen: 19.438 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampled :

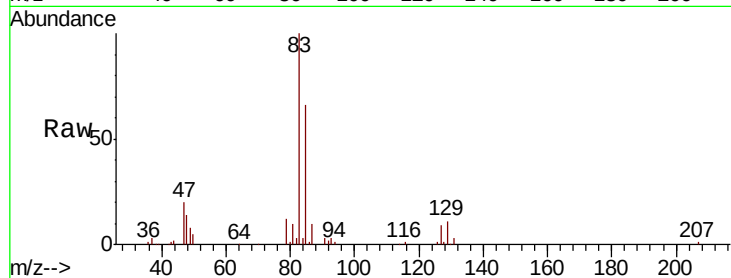
Tot Ion: 83 Resp: 95883

Ion Ratio Lower Upper

83 100

85 65.9 50.6 76.0

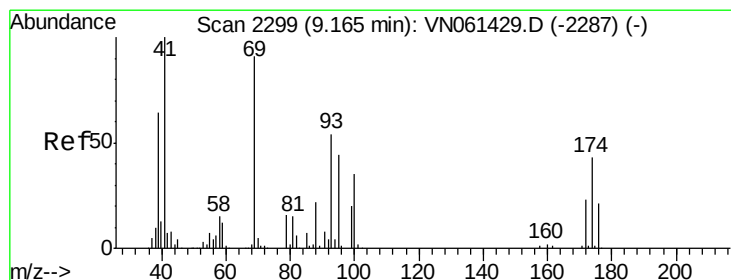
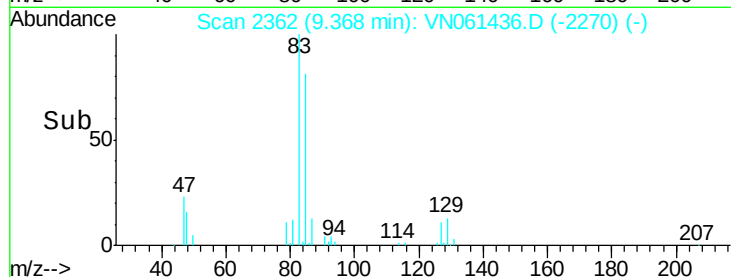
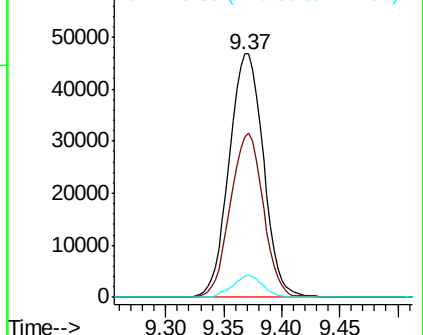
127 8.8 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VN061429.D (-2346) (-)

Ion 84.90 (84.60 to 85.60): VN061429.D (-2346) (-)

Ion 126.80 (126.50 to 127.50): VN061429.D (-2346) (-)



#48

Methyl methacrylate

Concen: 19.020 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

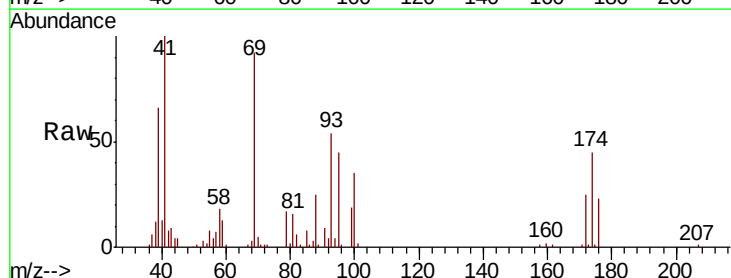
Tgt Ion: 41 Resp: 61532

Ion Ratio Lower Upper

41 100

69 93.0 75.3 112.9

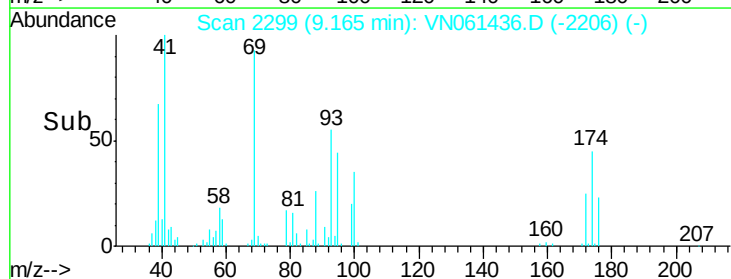
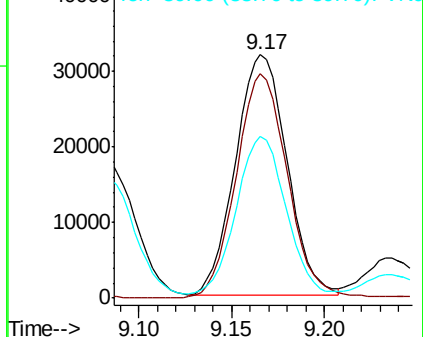
39 62.8 52.6 79.0

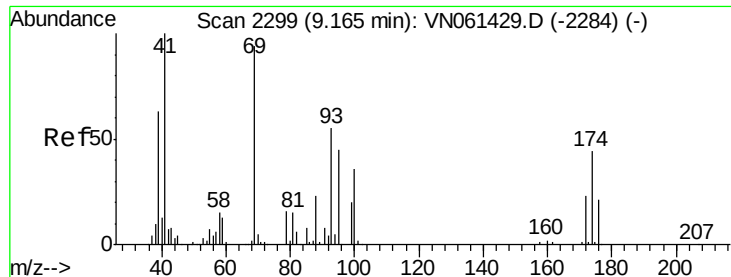


Abundance Ion 41.00 (40.70 to 41.70): VN061429.D (-2287) (-)

Ion 69.00 (68.70 to 69.70): VN061429.D (-2287) (-)

Ion 39.00 (38.70 to 39.70): VN061429.D (-2287) (-)

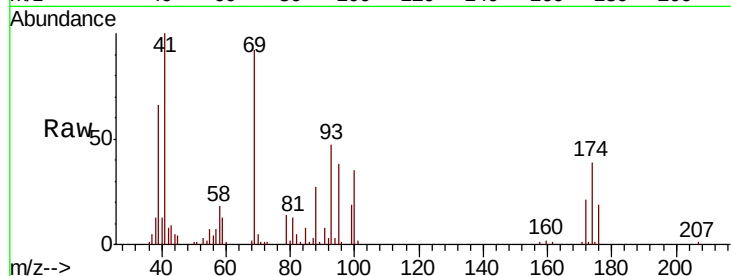




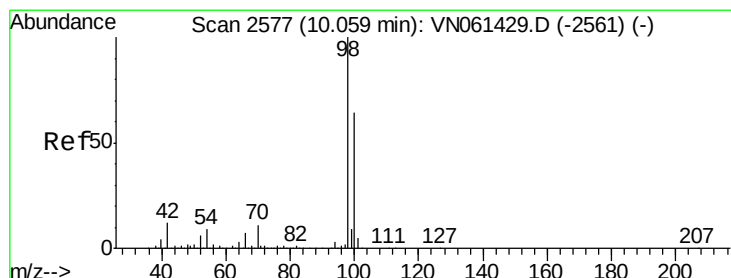
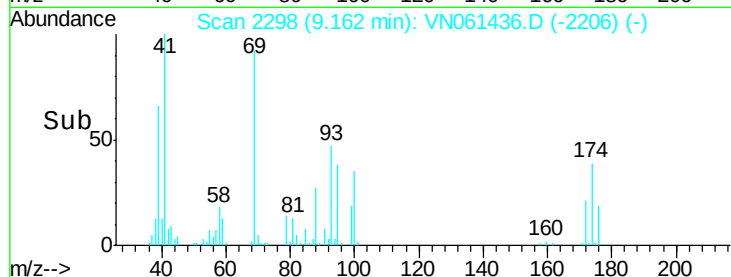
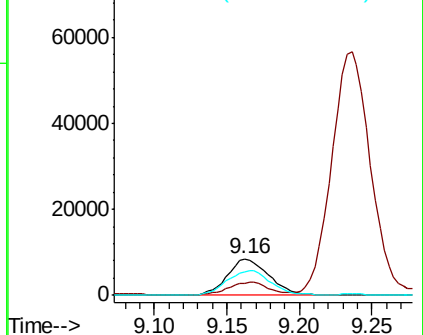
#49
1,4-Dioxane
Concen: 479.887 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 16996
Ion Ratio Lower Upper
88 100
43 36.3 26.3 39.5
58 72.6 54.1 81.1

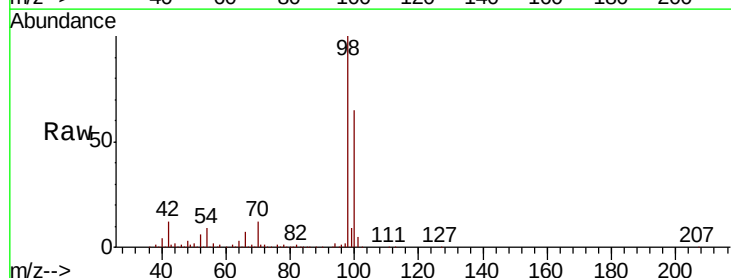


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

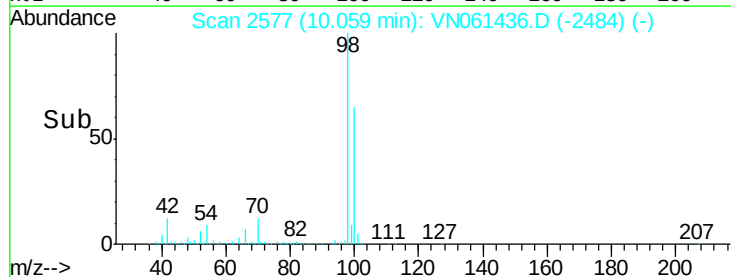
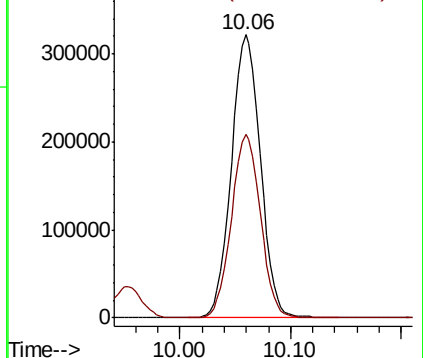


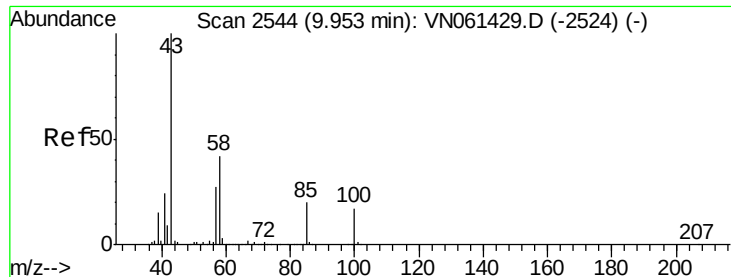
#50
Toluene-d8
Concen: 51.193 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion: 98 Resp: 588982
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8



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

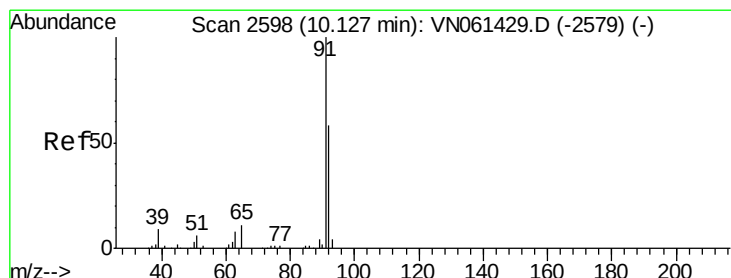
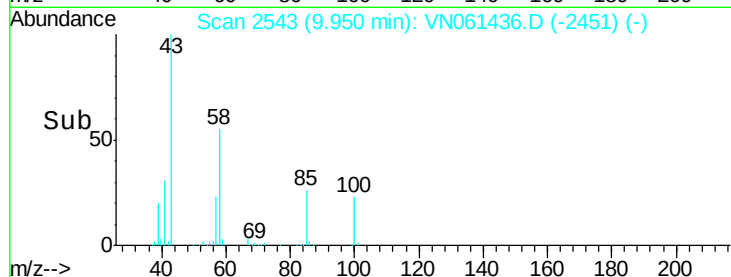
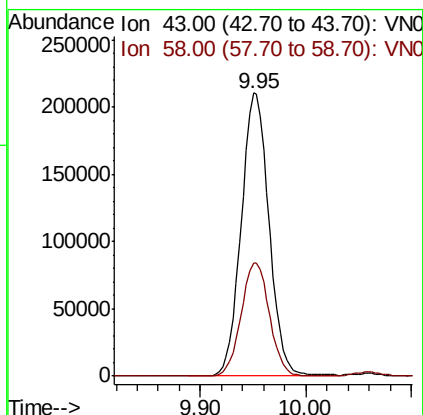
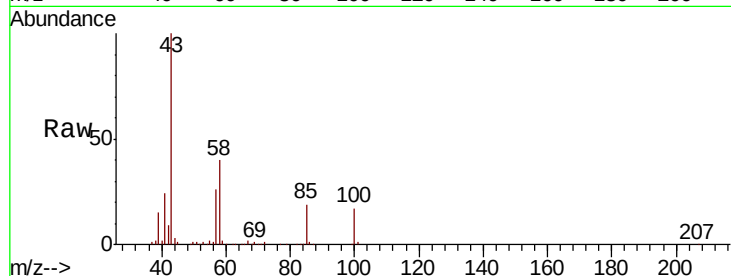




#51
 4-Methyl-2-Pentanone
 Concen: 101.079 ug/l
 RT: 9.95 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

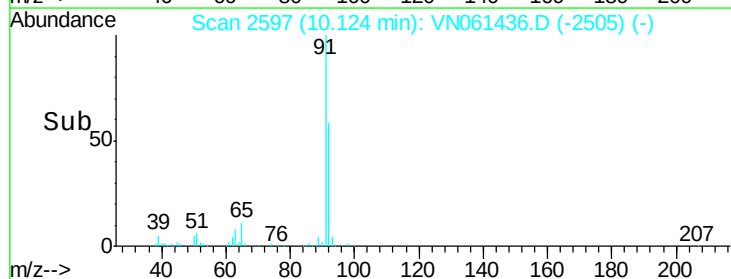
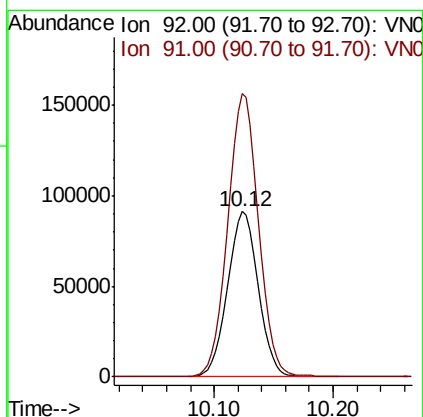
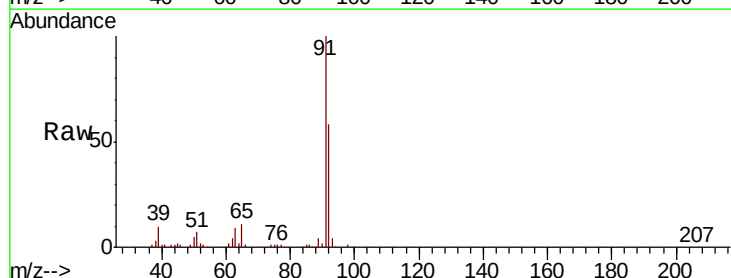
Instrument :
 MSVOA_N
 ClientSampled :

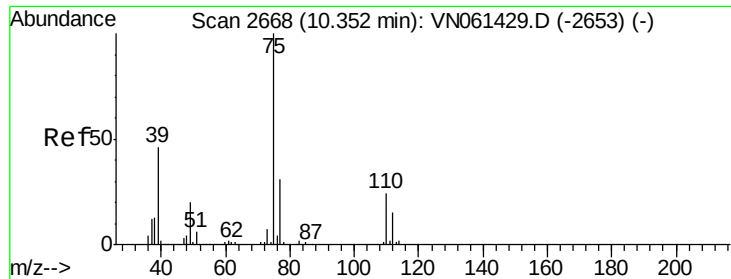
Tot Ion: 43 Resp: 385602
 Ion Ratio Lower Upper
 43 100
 58 40.7 33.4 50.2



#52
 Toluene
 Concen: 19.049 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion: 92 Resp: 163167
 Ion Ratio Lower Upper
 92 100
 91 171.3 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 19.550 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

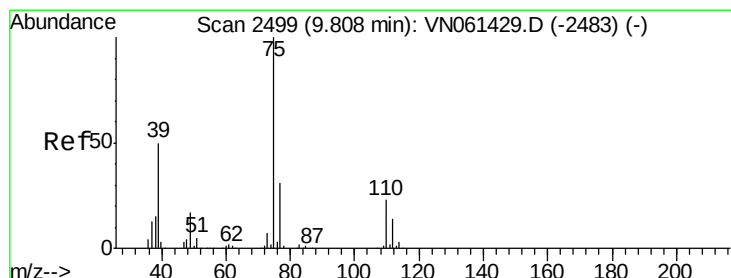
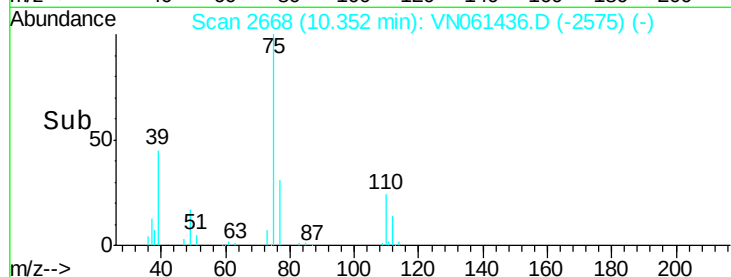
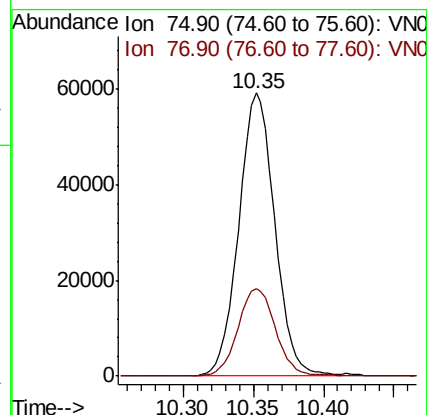
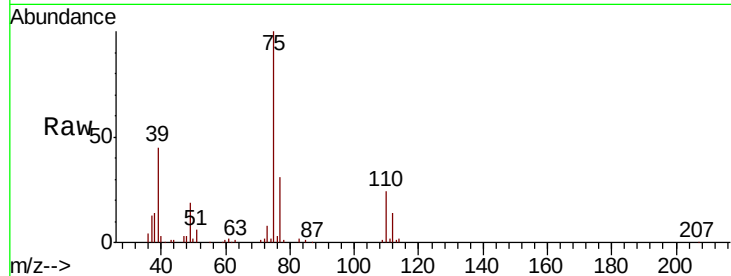
ClientSampleId :

Tot Ion: 75 Resp: 105697

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 19.352 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

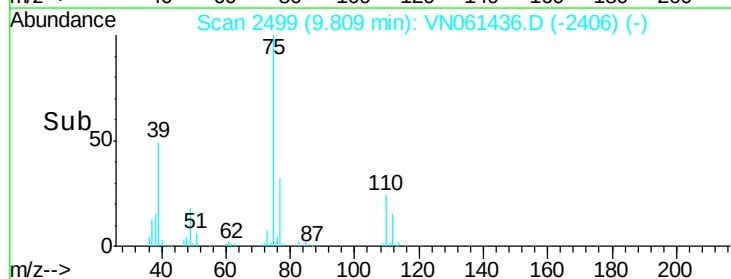
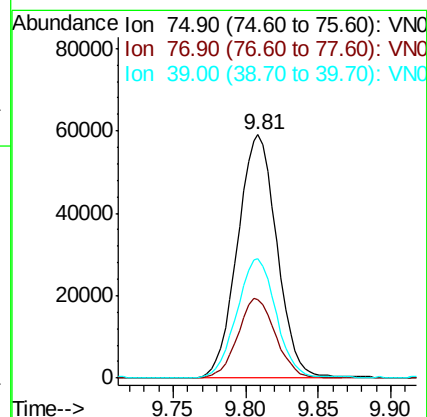
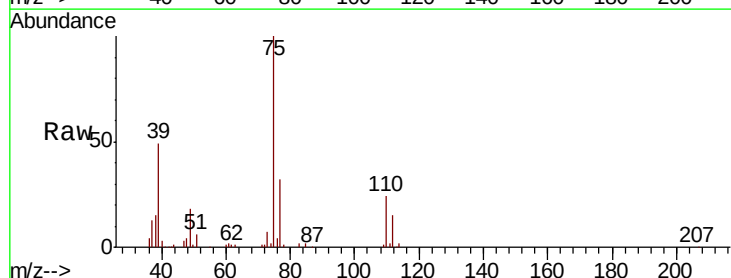
Tgt Ion: 75 Resp: 111221

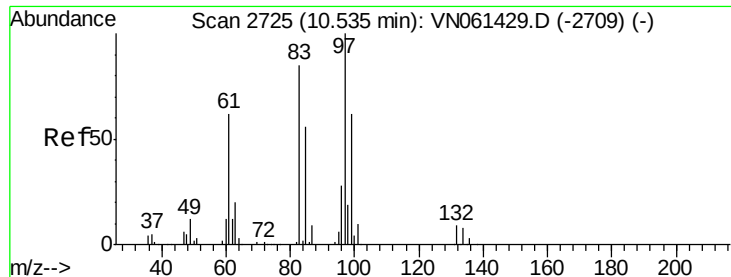
Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2

39 48.5 39.8 59.6

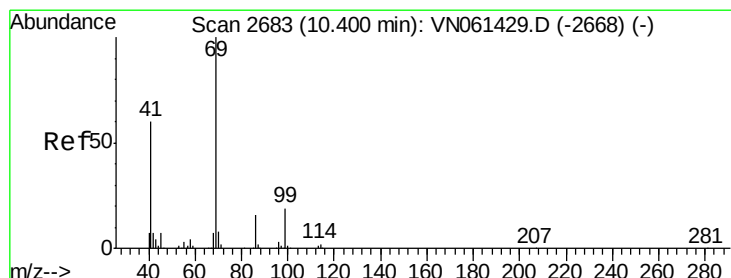
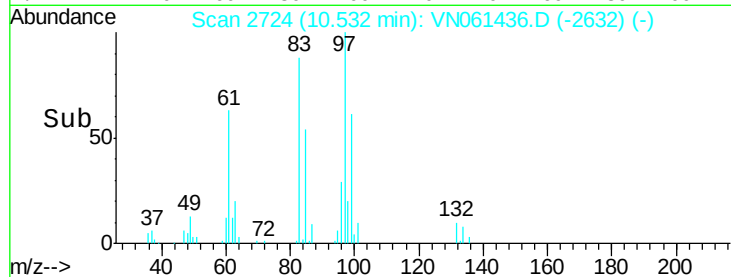
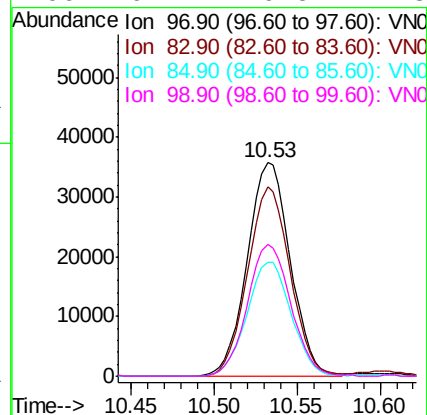
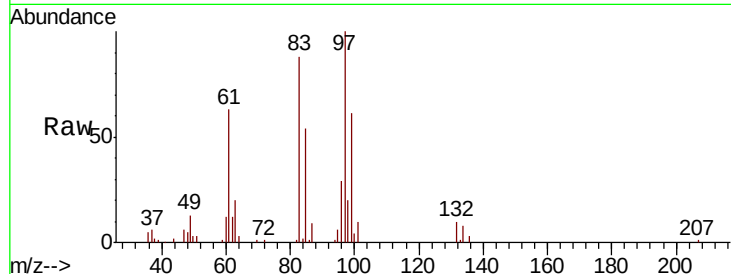




#55
 1,1,2-Trichloroethane
 Concen: 19.925 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

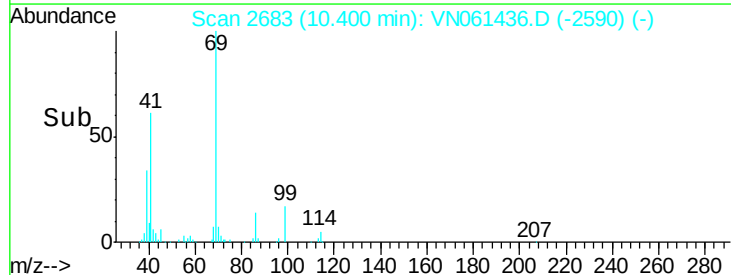
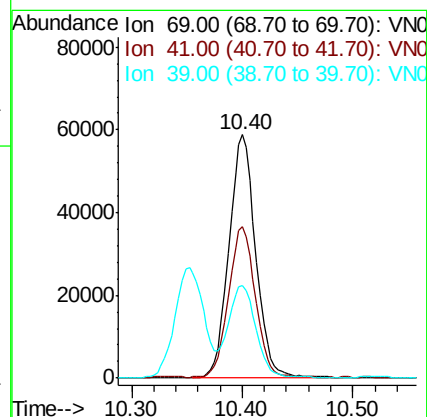
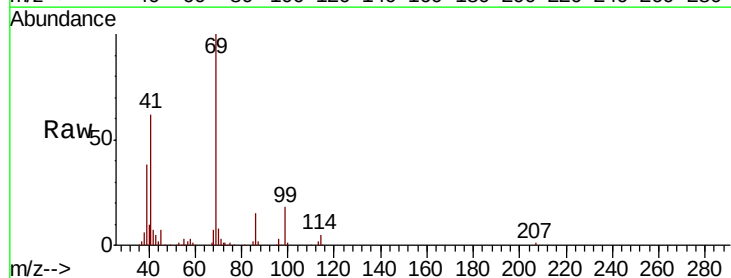
Instrument :
 MSVOA_N
 ClientSampled :

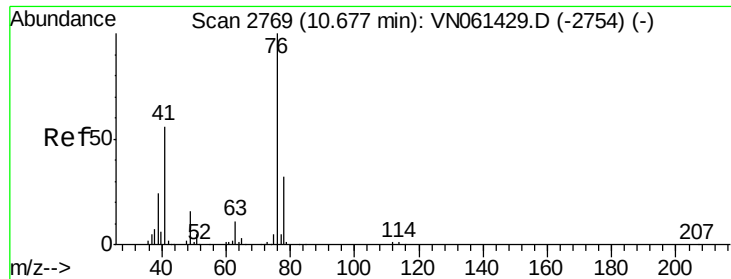
Tot Ion: 97 Resp: 64528
 Ion Ratio Lower Upper
 97 100
 83 88.5 68.2 102.4
 85 53.6 44.6 67.0
 99 61.4 49.5 74.3



#56
 Ethyl methacrylate
 Concen: 19.555 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion: 69 Resp: 99007
 Ion Ratio Lower Upper
 69 100
 41 61.7 48.3 72.5
 39 38.0 30.2 45.2

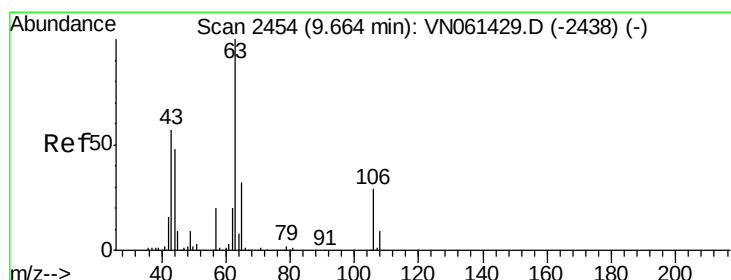
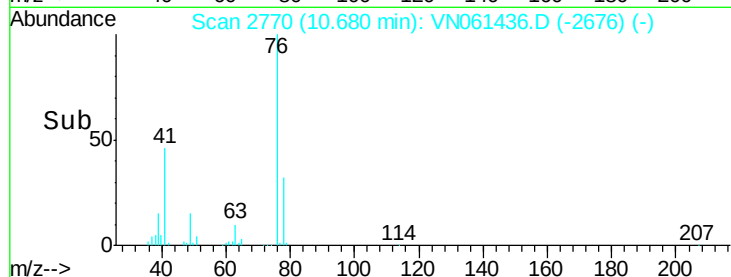
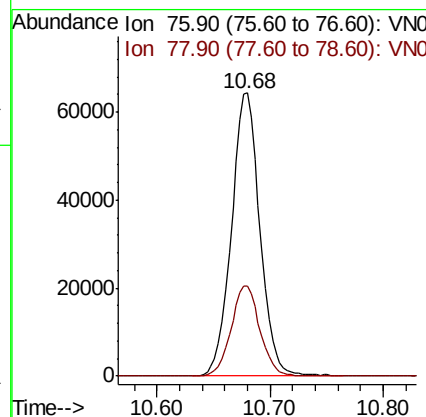
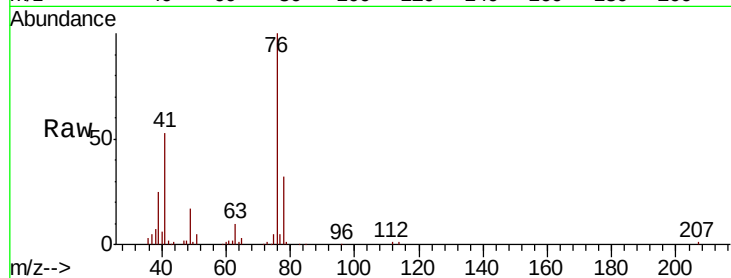




#57
 1,3-Dichloropropane
 Concen: 20.044 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

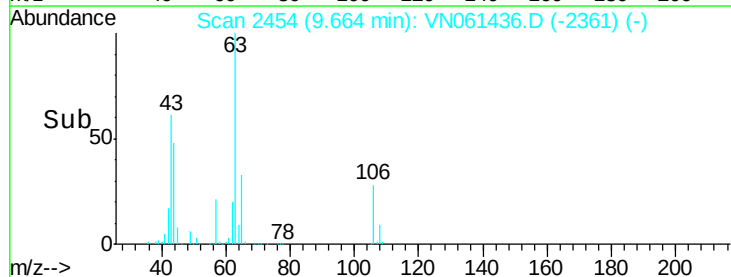
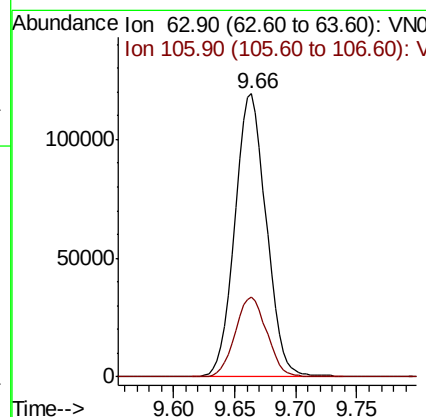
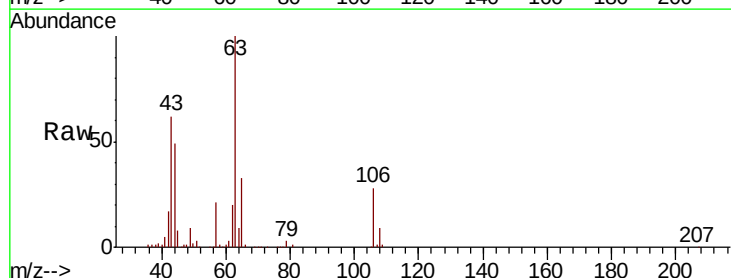
Instrument :
 MSVOA_N
 ClientSampled :

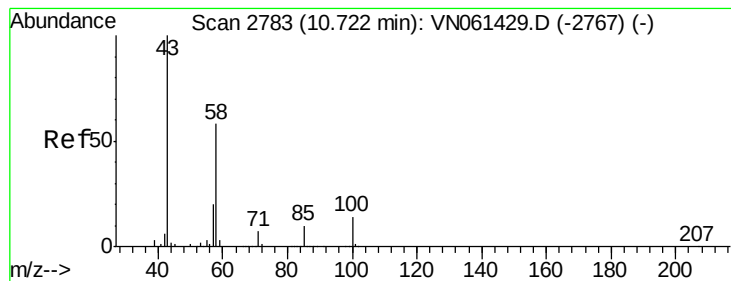
Tot Ion: 76 Resp: 112181
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.466 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion: 63 Resp: 214381
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.7 34.1





#59

2-Hexanone

Concen: 97.440 ug/l

RT: 10.72 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

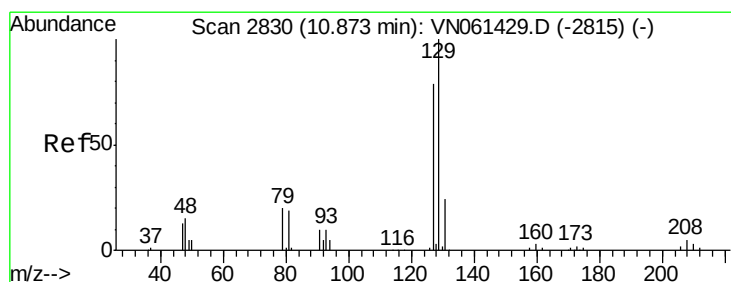
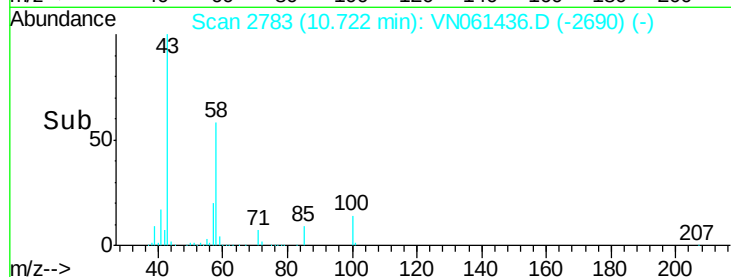
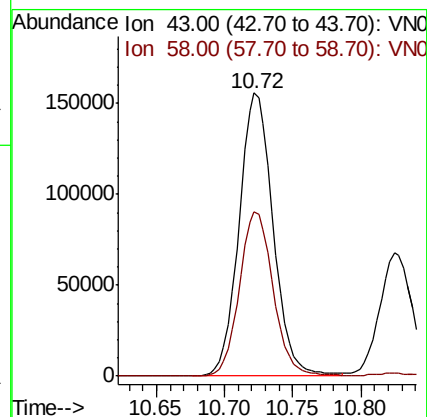
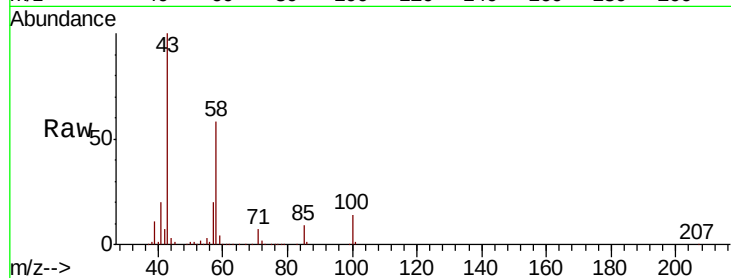
ClientSampleId :

Tot Ion: 43 Resp: 268934

Ion Ratio Lower Upper

43 100

58 58.0 29.2 87.6



#60

Dibromochloromethane

Concen: 19.362 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. 0.00 min

Lab File: VN061436.D

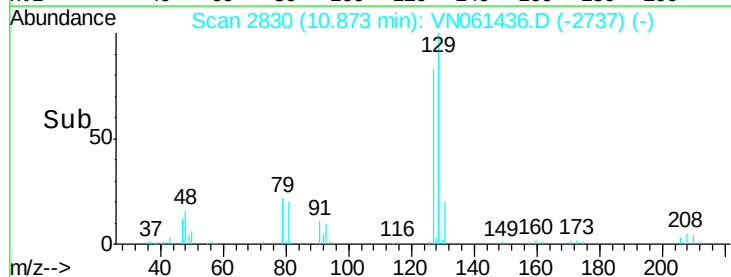
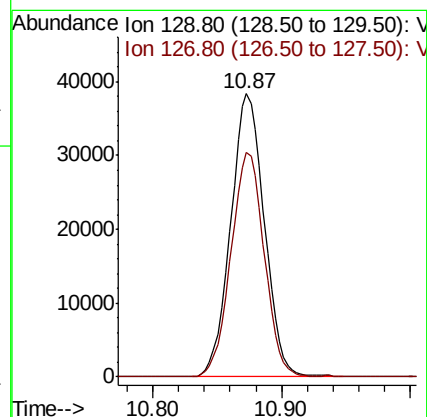
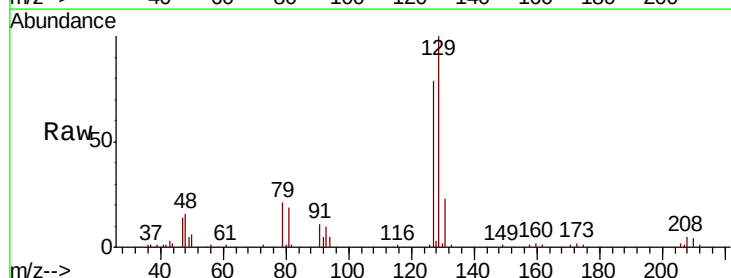
Acq: 18 May 2020 15:54

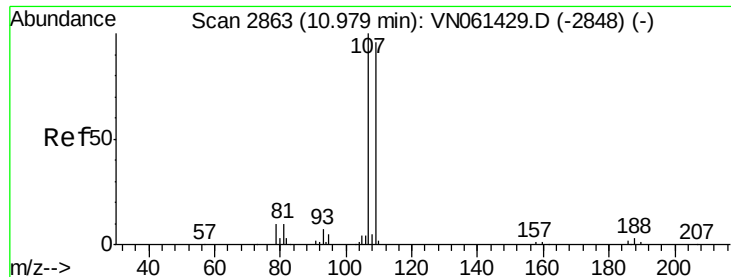
Tgt Ion: 129 Resp: 69359

Ion Ratio Lower Upper

129 100

127 78.4 38.8 116.3

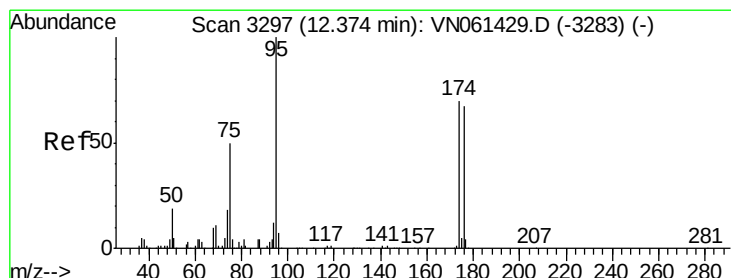
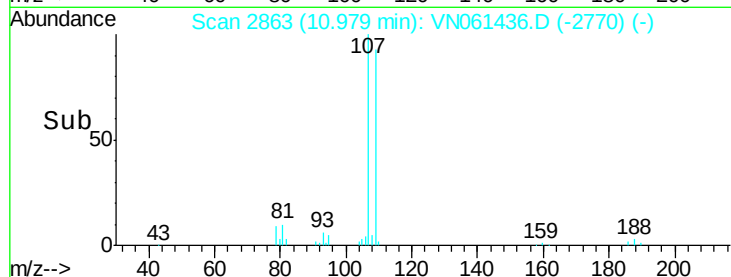
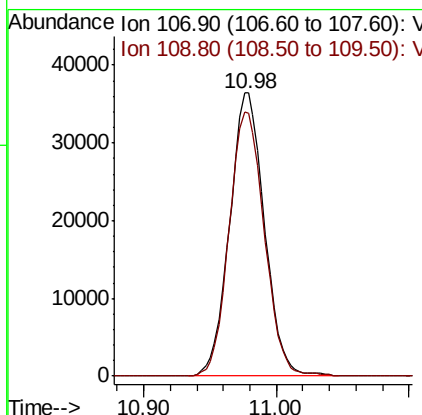
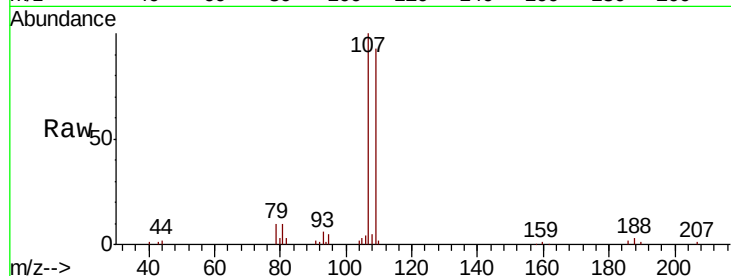




#61
 1,2-Dibromoethane
 Concen: 19.448 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

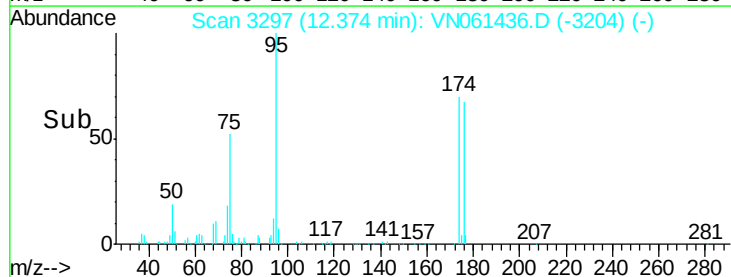
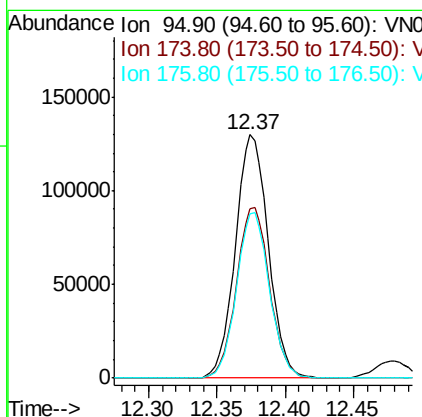
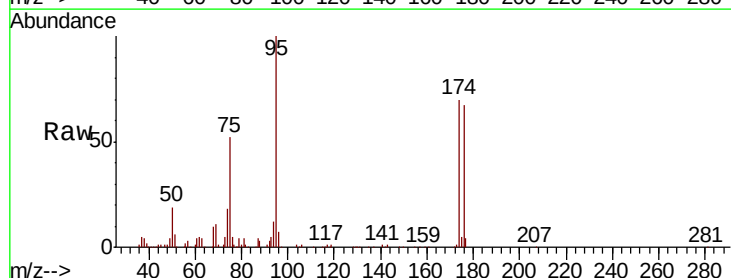
Instrument :
 MSVOA_N
 ClientSampleId :

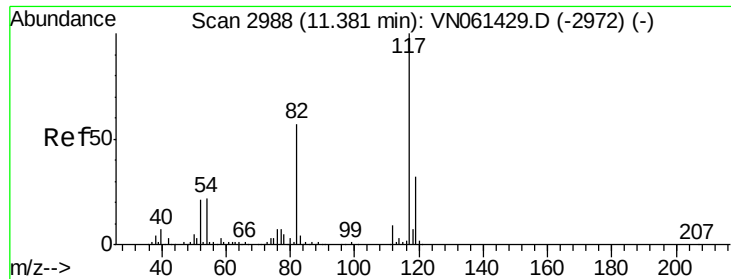
Tot Ion:107 Resp: 66223
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 50.660 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion: 95 Resp: 217755
 Ion Ratio Lower Upper
 95 100
 174 70.5 0.0 141.2
 176 67.9 0.0 137.6

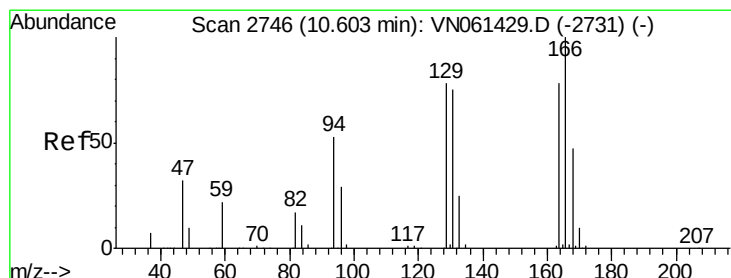
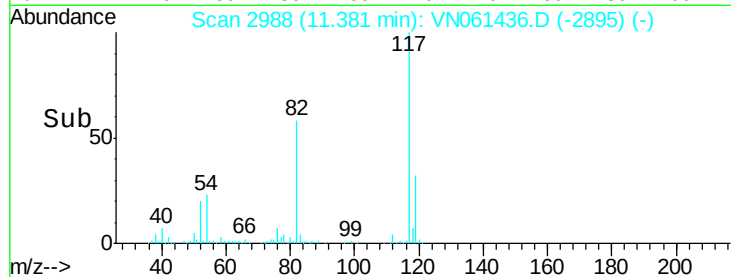
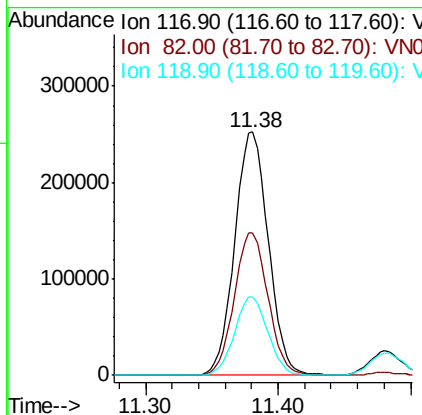
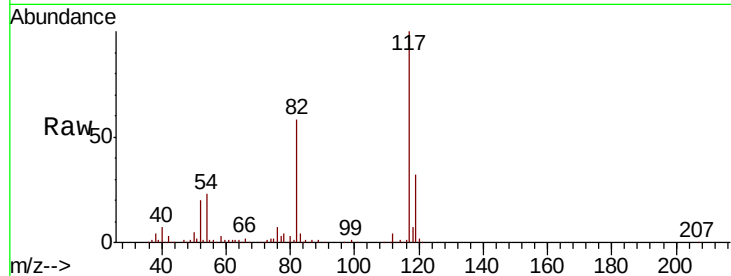




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

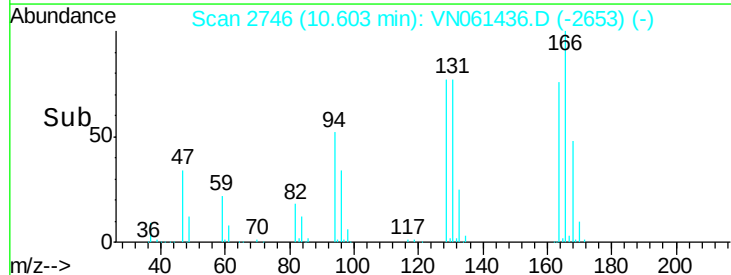
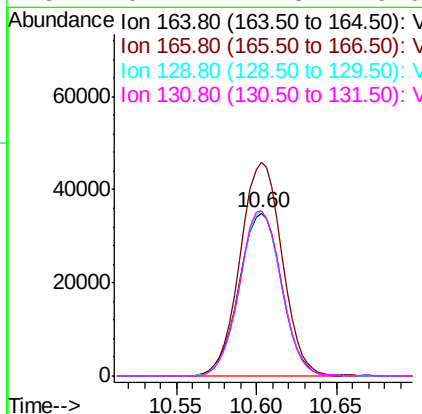
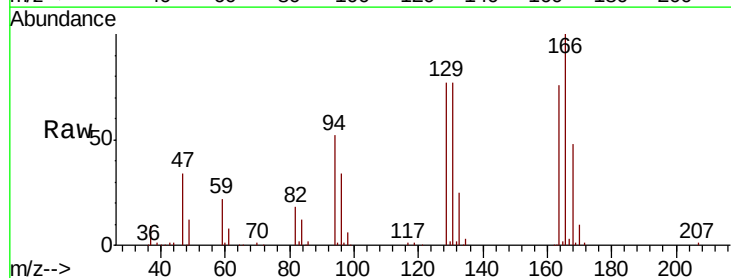
Instrument :
MSVOA_N
ClientSampleId :

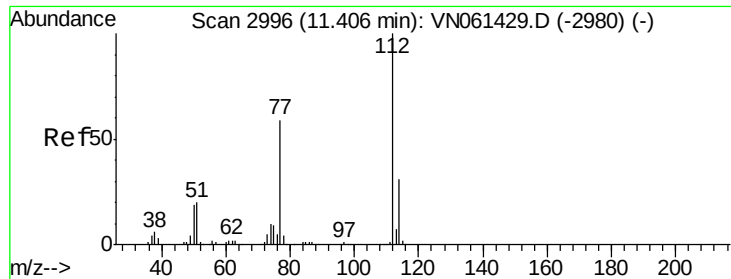
Tot Ion:117 Resp: 444779
Ion Ratio Lower Upper
117 100
82 58.4 45.2 67.8
119 32.0 25.3 37.9



#64
Tetrachloroethene
Concen: 18.528 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion:164 Resp: 63754
Ion Ratio Lower Upper
164 100
166 131.1 103.2 154.8
129 101.3 81.0 121.4
131 101.1 77.3 115.9

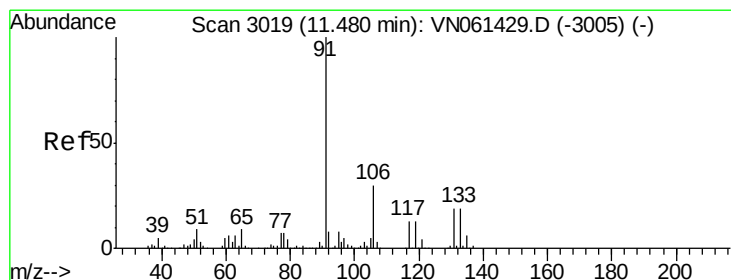
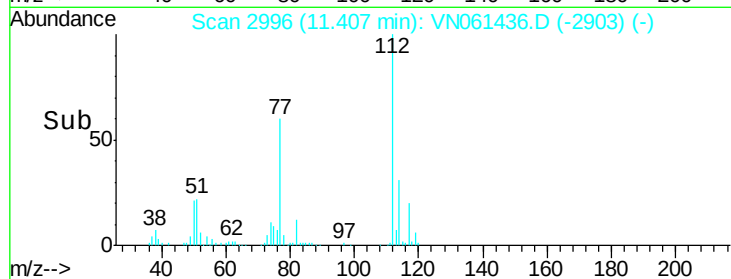
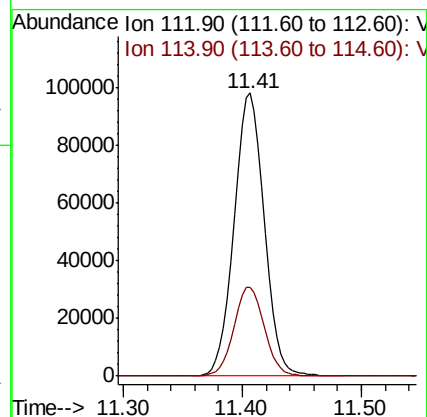
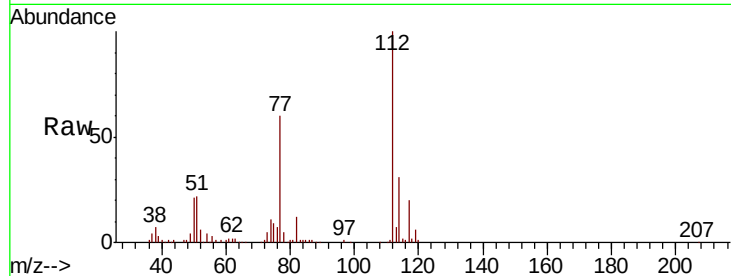




#65
Chlorobenzene
Concen: 19.018 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

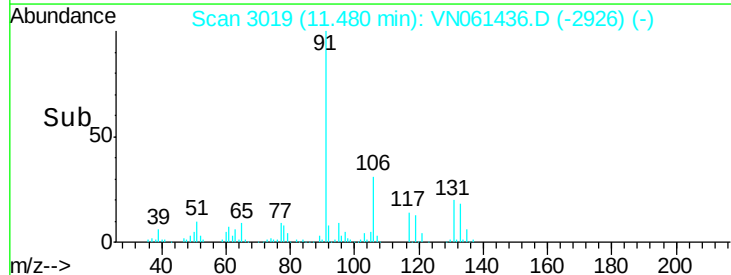
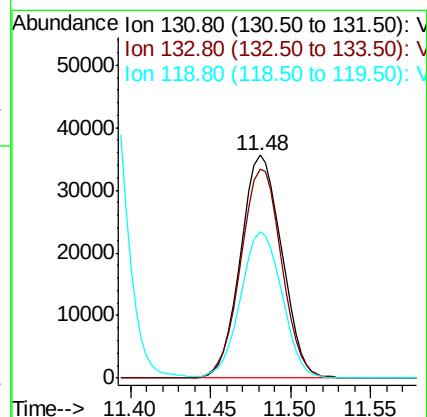
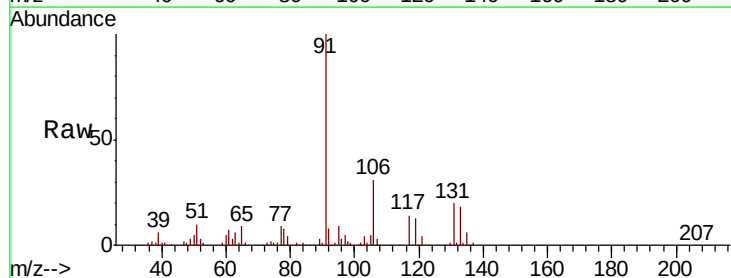
Instrument :
MSVOA_N
ClientSampled :

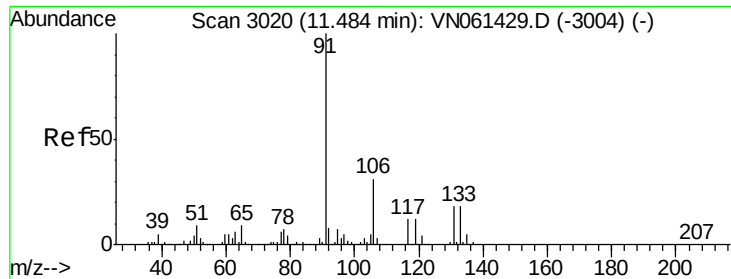
Tot Ion:112 Resp: 172499
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.203 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion:131 Resp: 62442
Ion Ratio Lower Upper
131 100
133 93.4 48.7 146.1
119 66.1 33.8 101.3





#67

Ethyl Benzene

Concen: 19.163 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

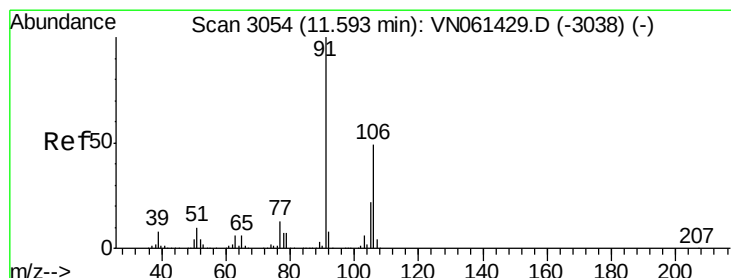
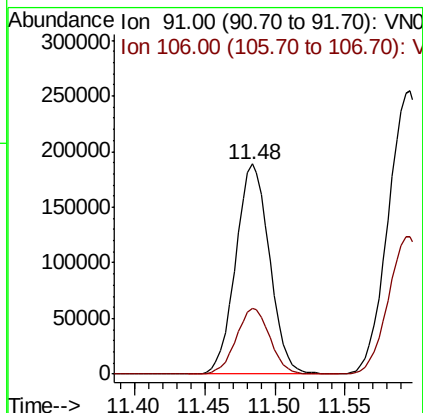
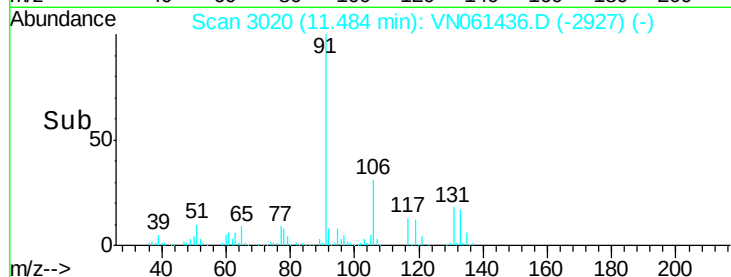
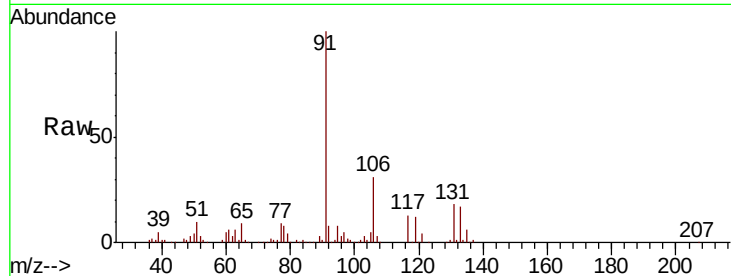
ClientSampled :

Tot Ion: 91 Resp: 317274

Ion Ratio Lower Upper

91 100

106 31.2 24.6 36.8



#68

m/p-Xylenes

Concen: 37.858 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN061436.D

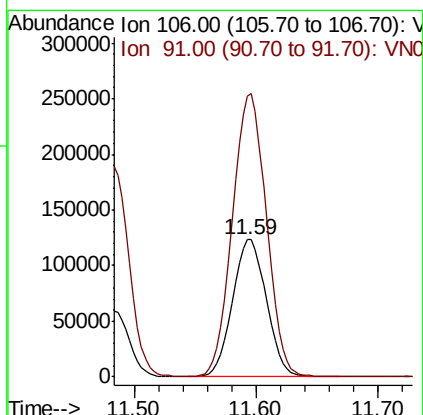
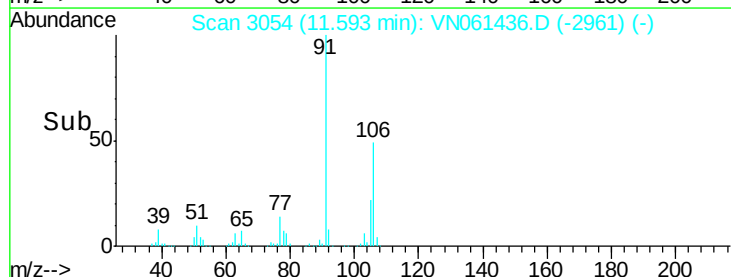
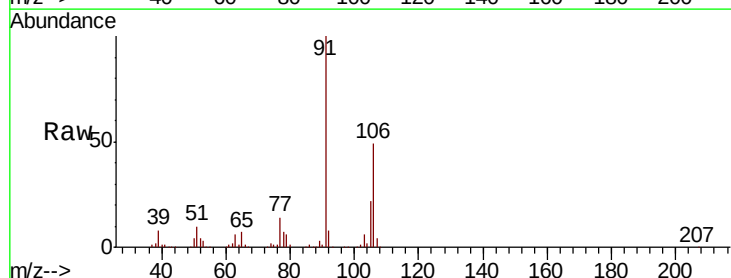
Acq: 18 May 2020 15:54

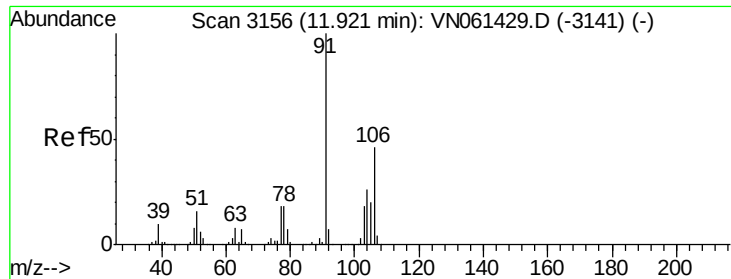
Tgt Ion: 106 Resp: 237914

Ion Ratio Lower Upper

106 100

91 206.3 163.0 244.6

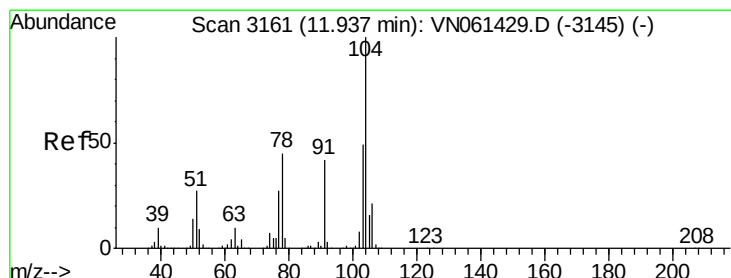
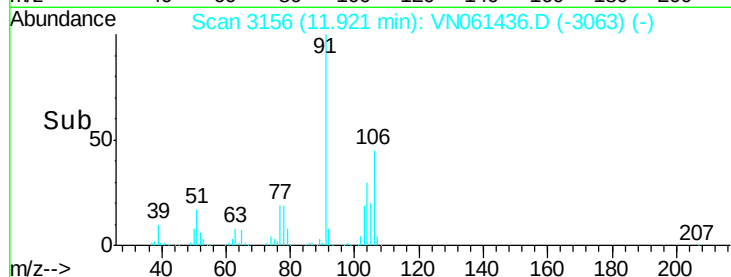
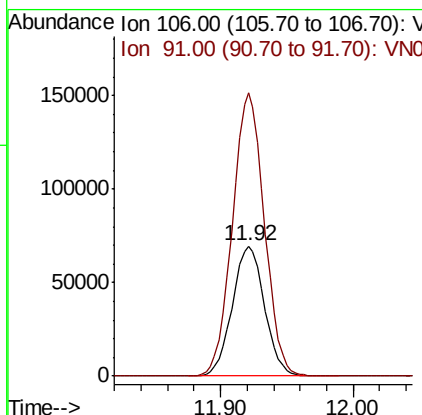
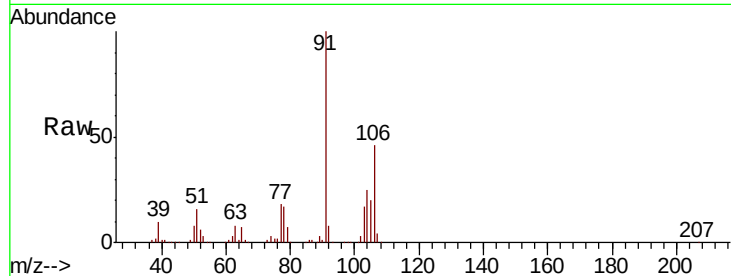




#69
o-Xylene
Concen: 19.244 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

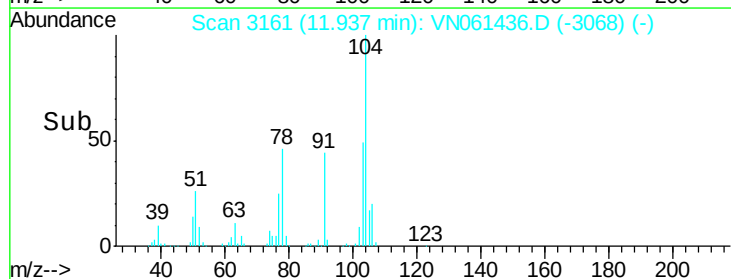
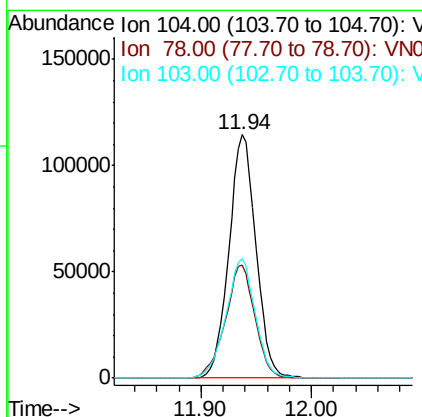
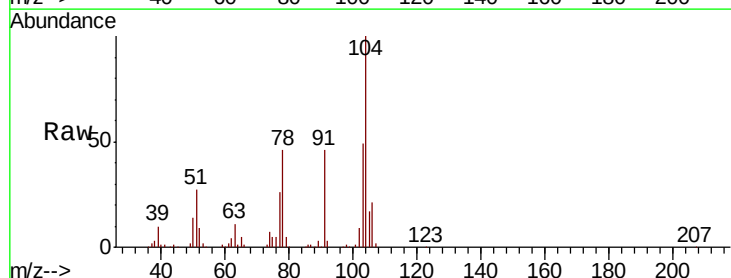
Instrument :
MSVOA_N
ClientSampled :

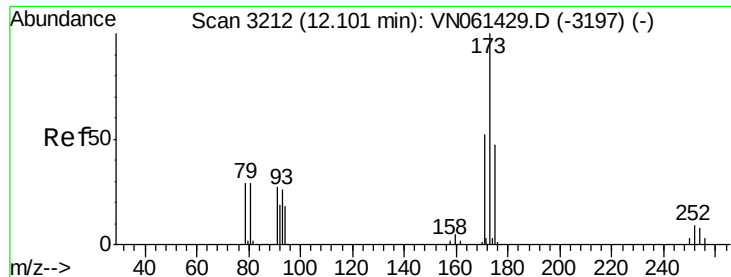
Tot Ion:106 Resp: 117033
Ion Ratio Lower Upper
106 100
91 215.5 107.9 323.7



#70
Styrene
Concen: 19.341 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion:104 Resp: 194782
Ion Ratio Lower Upper
104 100
78 50.8 40.7 61.1
103 52.9 43.0 64.4





#71

Bromoform

Concen: 18.403 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

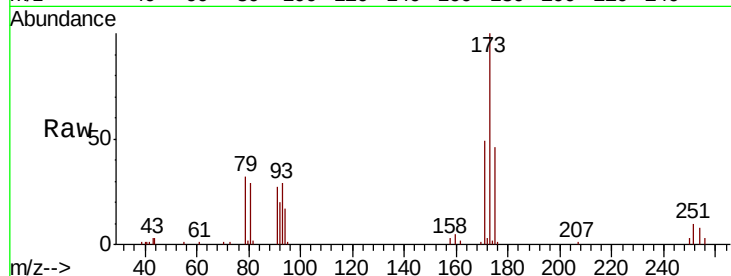
Tot Ion:173 Resp: 43170

Ion Ratio Lower Upper

173 100

175 47.3 23.9 71.8

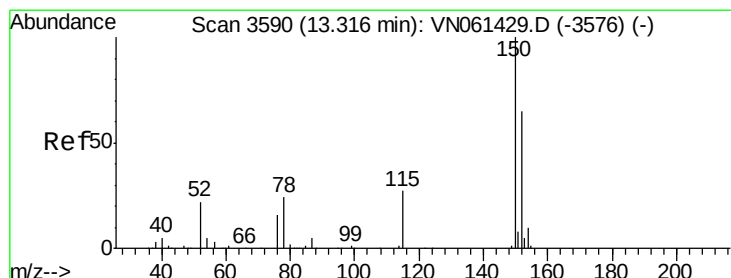
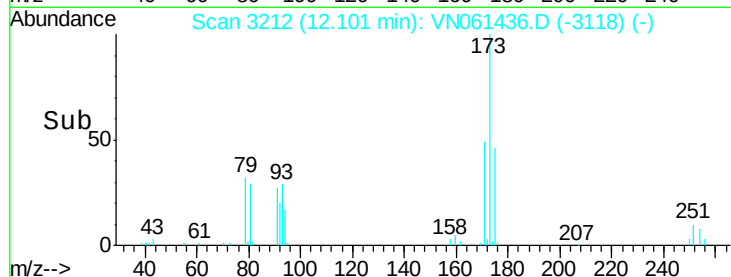
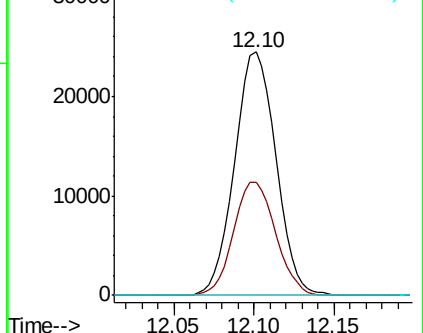
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

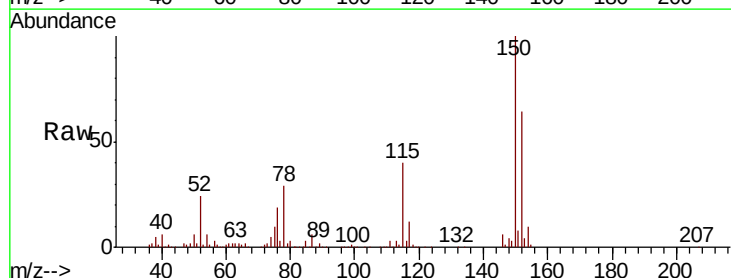
Tgt Ion:152 Resp: 204313

Ion Ratio Lower Upper

152 100

115 62.9 30.9 92.5

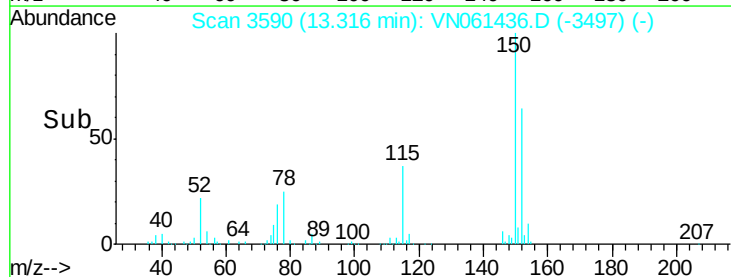
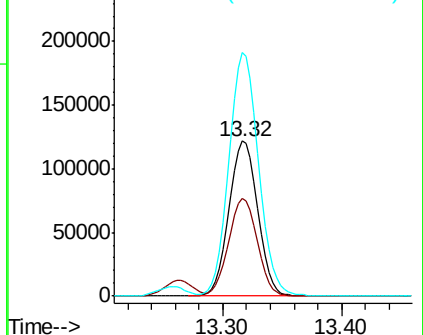
150 161.3 0.0 349.2

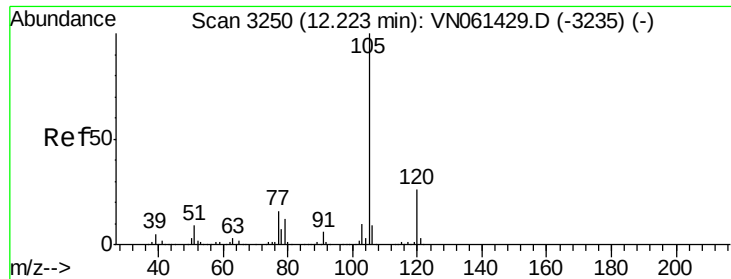


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.818 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

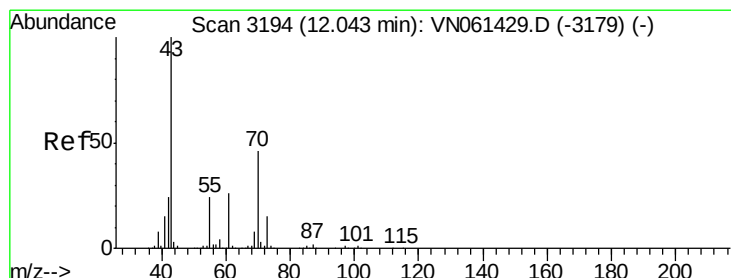
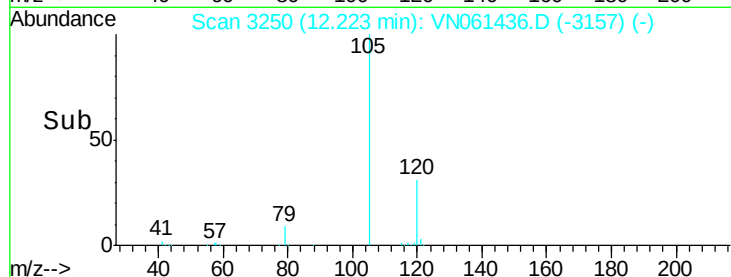
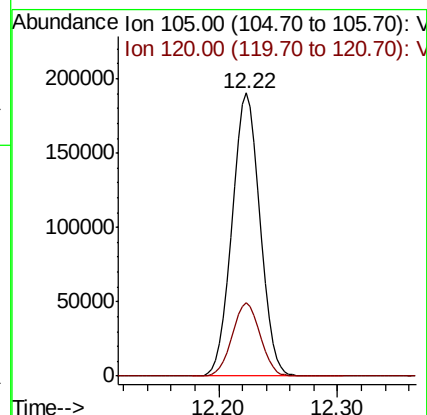
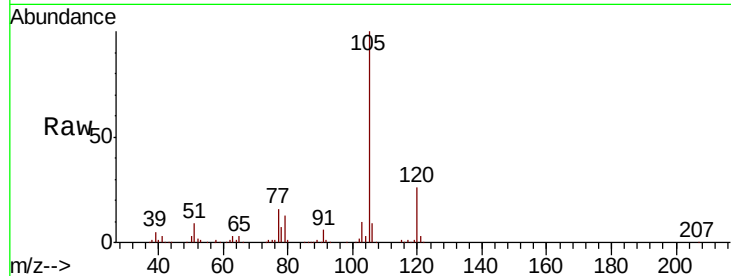
ClientSampleId :

Tot Ion:105 Resp: 308658

Ion Ratio Lower Upper

105 100

120 26.0 13.0 39.0



#74

N-ethyl acetate

Concen: 19.616 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Tgt Ion: 43 Resp: 117769

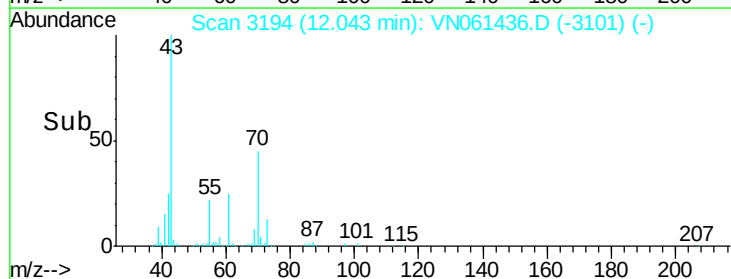
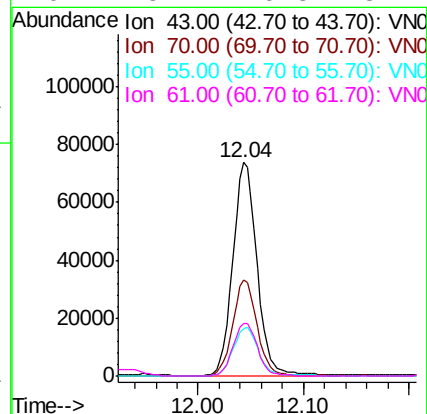
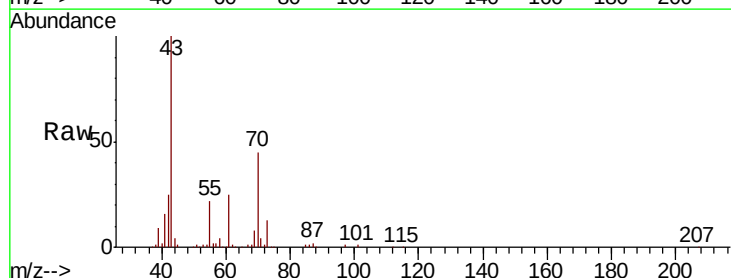
Ion Ratio Lower Upper

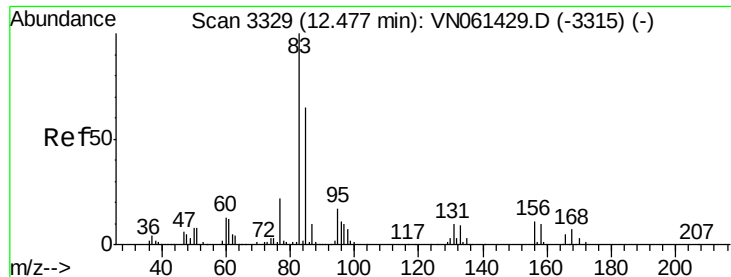
43 100

70 45.1 37.0 55.4

55 23.2 19.5 29.3

61 25.1 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.632 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

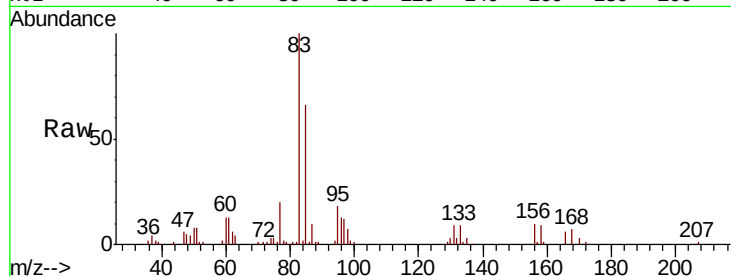
Tot Ion: 83 Resp: 88593

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.4

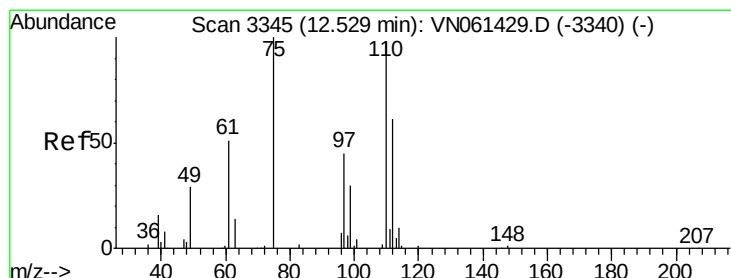
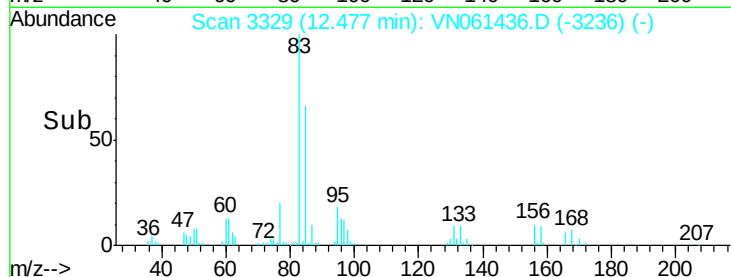
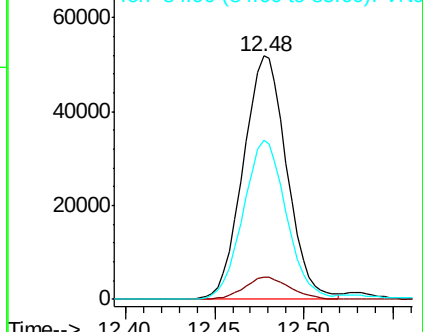
85 64.7 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN061429.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN061429.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN061429.D (-3315) (-)



#76

1,2,3-Trichloropropane

Concen: 26.866 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN061436.D

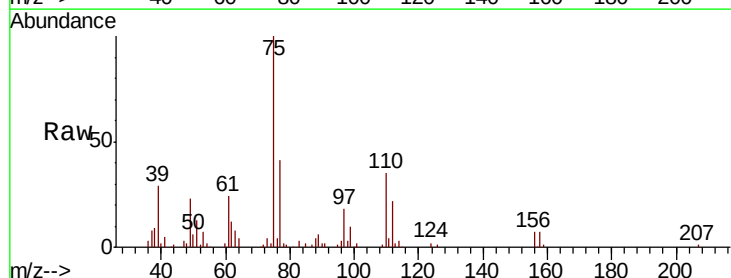
Acq: 18 May 2020 15:54

Tgt Ion: 75 Resp: 117781

Ion Ratio Lower Upper

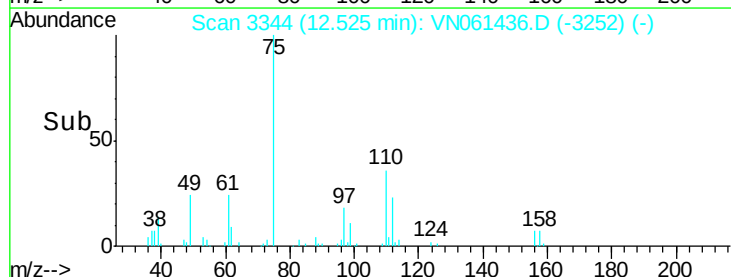
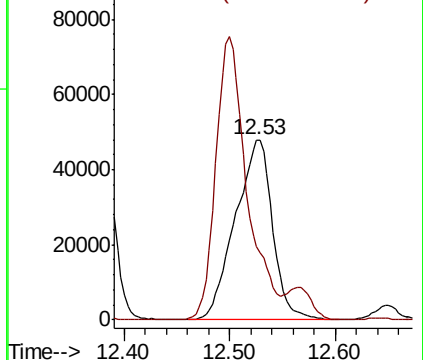
75 100

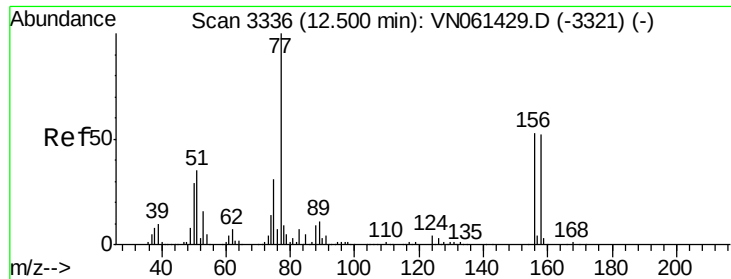
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061429.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061429.D (-3340) (-)





#77

Bromobenzene

Concen: 18.769 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampled :

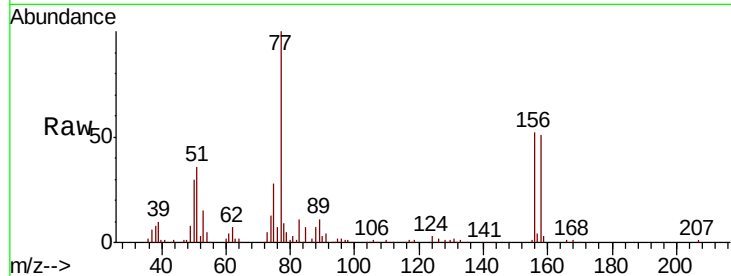
Tot Ion:156 Resp: 66810

Ion Ratio Lower Upper

156 100

77 231.2 112.3 336.9

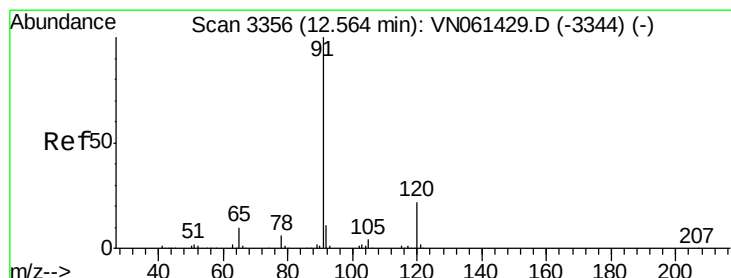
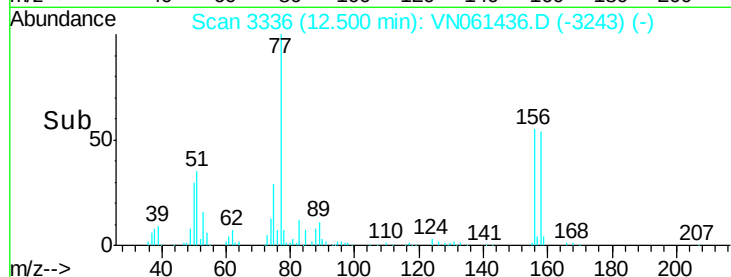
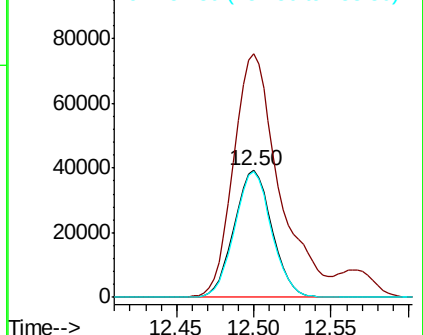
158 96.5 47.9 143.6



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: 18.685 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN061436.D

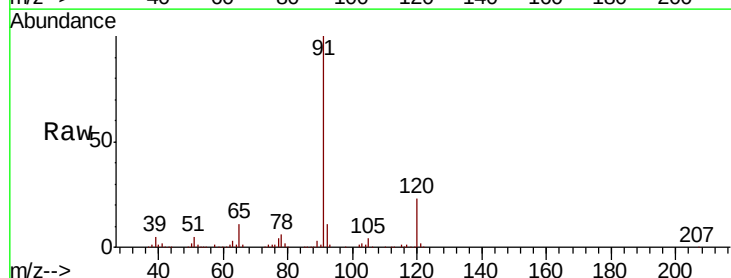
Acq: 18 May 2020 15:54

Tgt Ion: 91 Resp: 349189

Ion Ratio Lower Upper

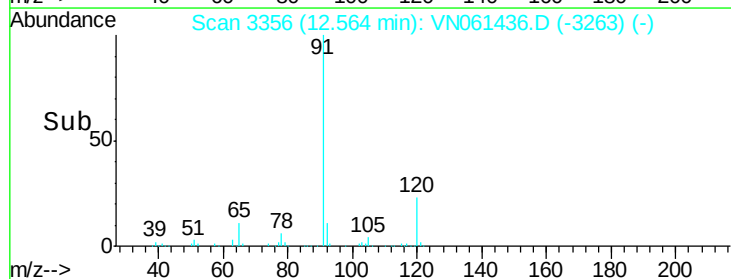
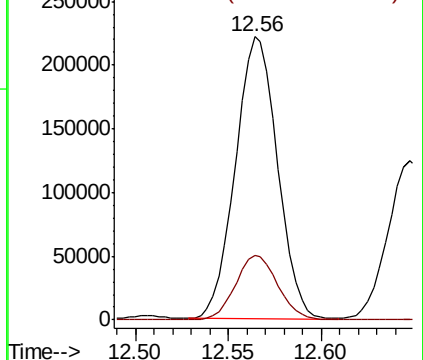
91 100

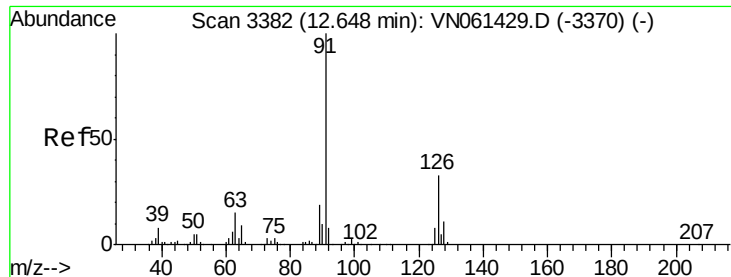
120 23.0 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.863 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

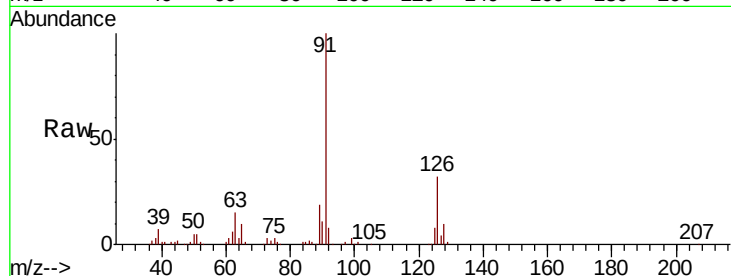
ClientSampled :

Tot Ion: 91 Resp: 208373

Ion Ratio Lower Upper

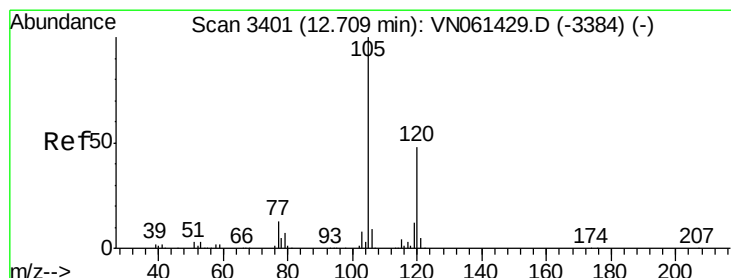
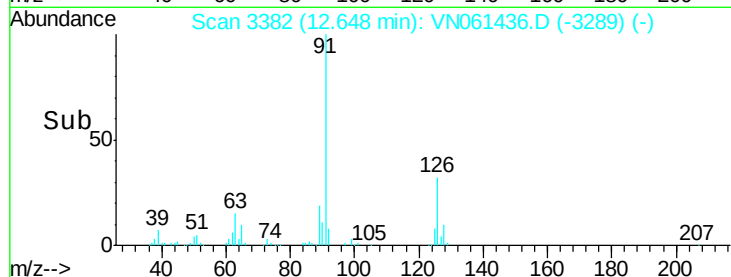
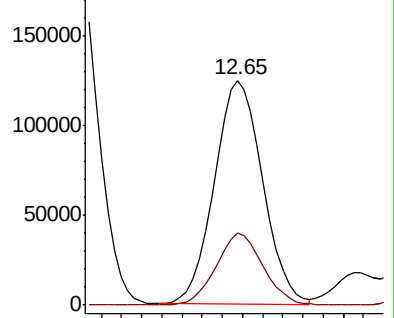
91 100

126 31.5 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061429.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.112 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061436.D

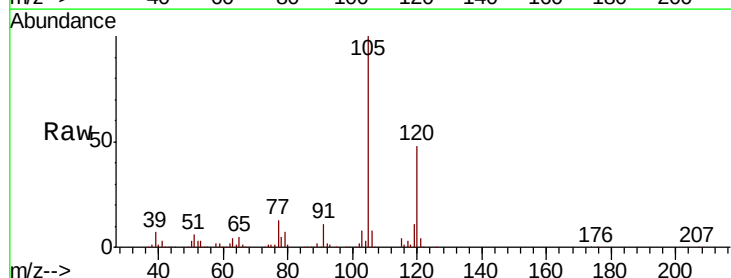
Acq: 18 May 2020 15:54

Tgt Ion:105 Resp: 256676

Ion Ratio Lower Upper

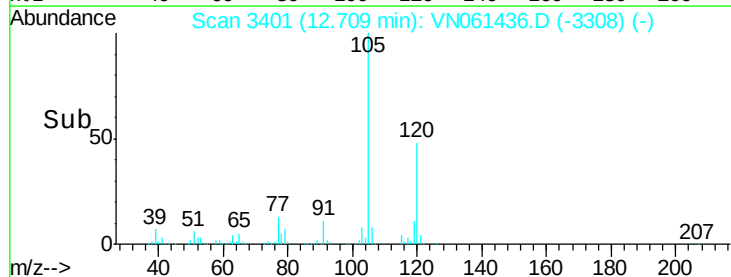
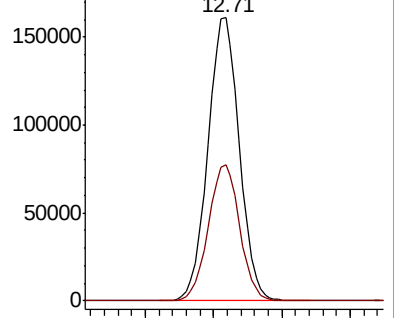
105 100

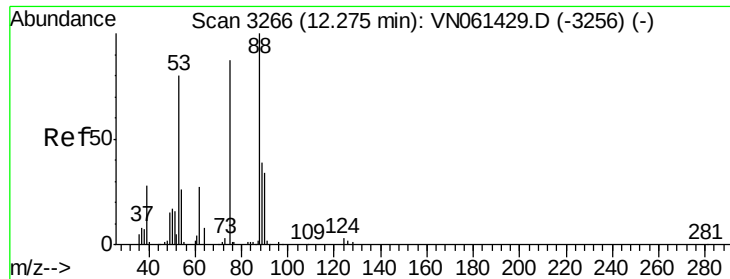
120 48.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061429.D (-3384) (-)

Ion 120.00 (119.70 to 120.70): VN061429.D (-3384) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.357 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

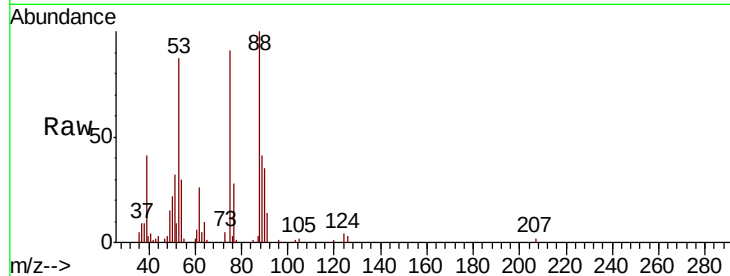
Tot Ion: 75 Resp: 30338

Ion Ratio Lower Upper

75 100

53 98.0 75.2 112.8

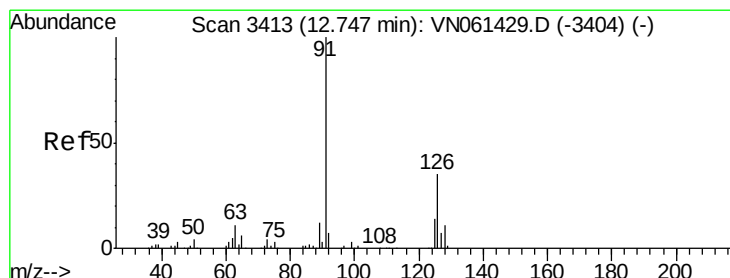
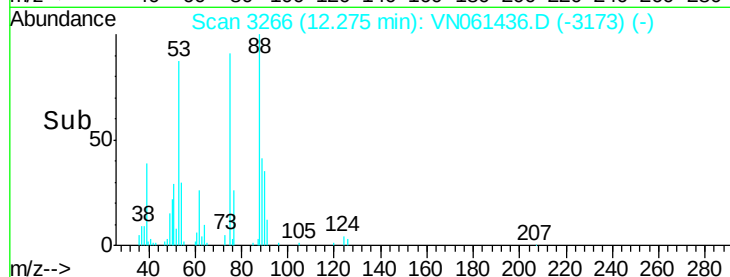
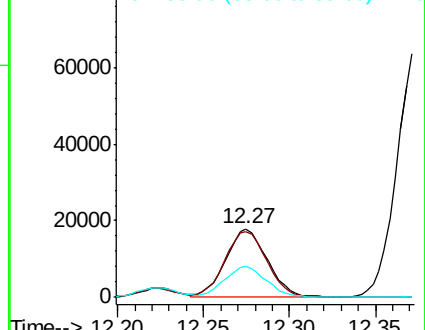
89 45.2 38.2 57.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.935 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061436.D

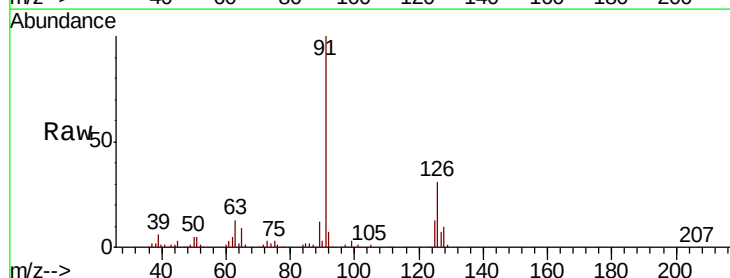
Acq: 18 May 2020 15:54

Tgt Ion: 91 Resp: 216582

Ion Ratio Lower Upper

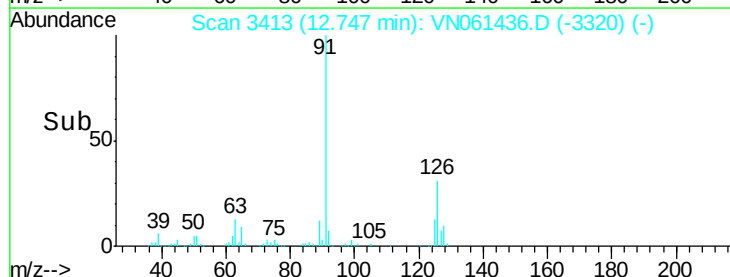
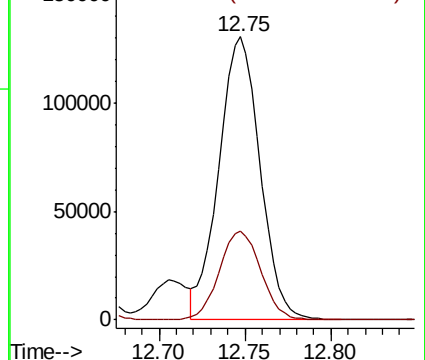
91 100

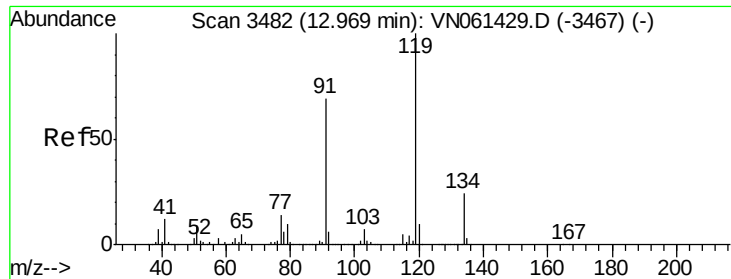
126 31.9 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

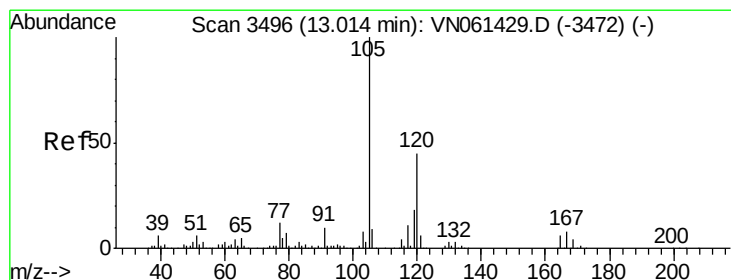
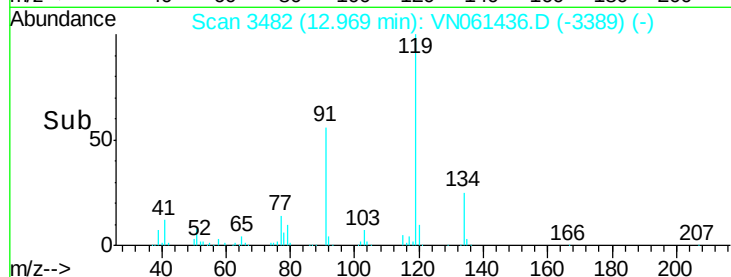
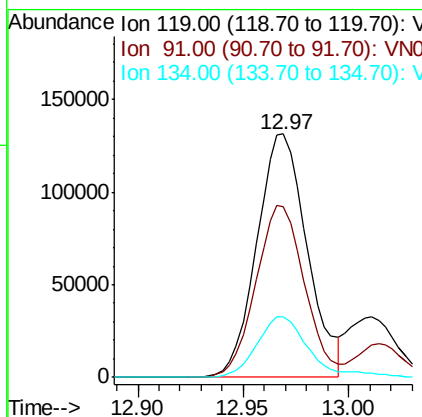
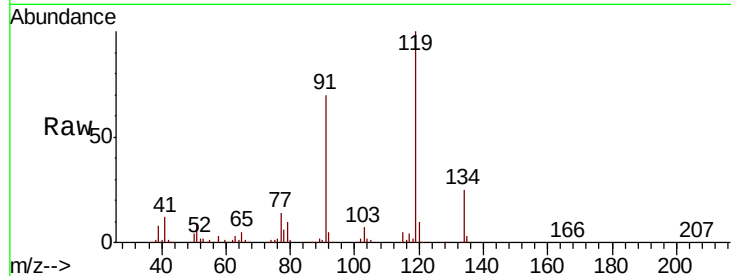




#83
 tert-Butylbenzene
 Concen: 19.010 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

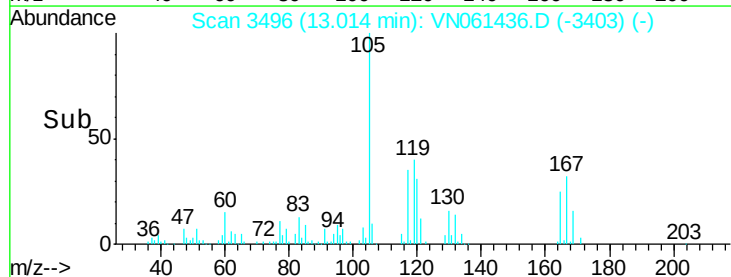
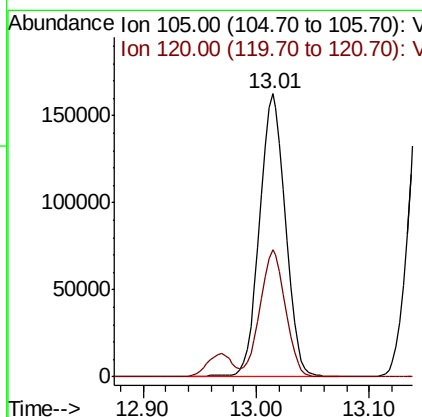
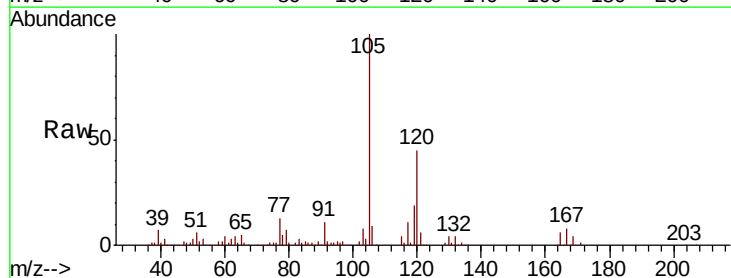
Instrument :
 MSVOA_N
 ClientSampled :

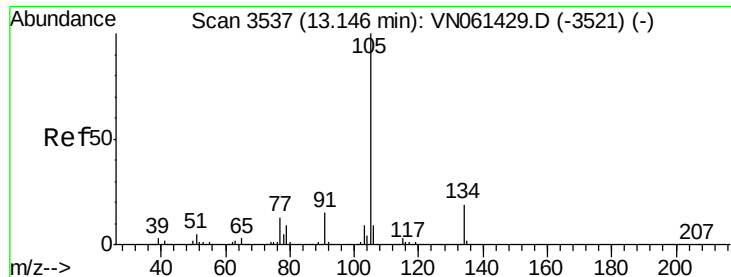
Tot Ion:119 Resp: 218683
 Ion Ratio Lower Upper
 119 100
 91 68.0 33.7 101.0
 134 25.8 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 19.277 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion:105 Resp: 259088
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.4 67.3





#85

sec-Butylbenzene

Concen: 19.051 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

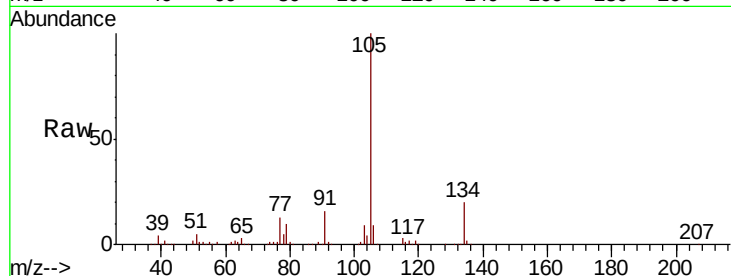
ClientSampleId :

Tot Ion:105 Resp: 296349

Ion Ratio Lower Upper

105 100

134 19.2 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

200000

150000

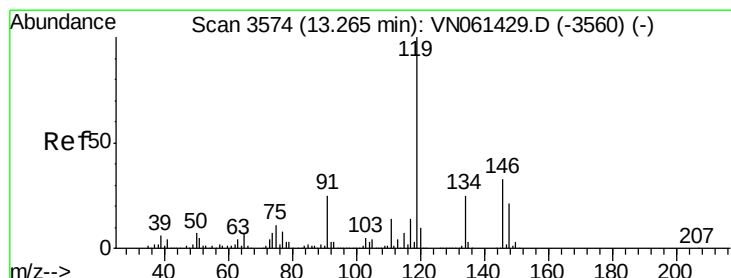
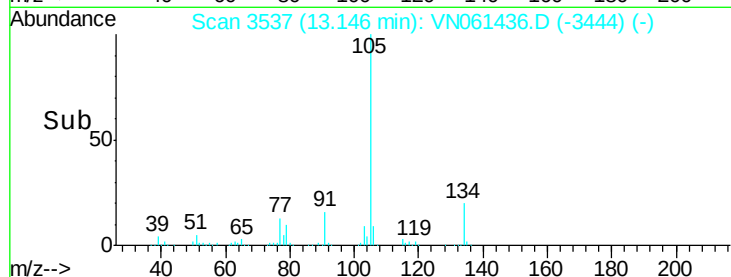
100000

50000

0

Time-->

13.10 13.20



#86

p-Isopropyltoluene

Concen: 18.884 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

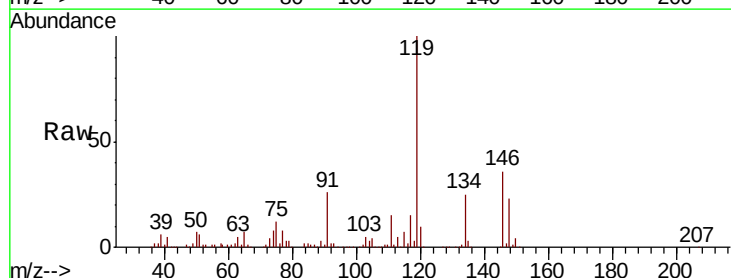
Tgt Ion:119 Resp: 260847

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

91 25.7 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

200000

150000

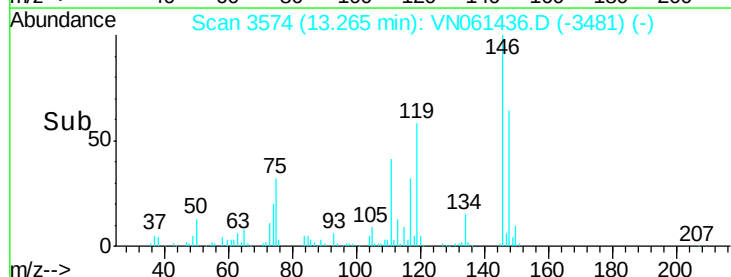
100000

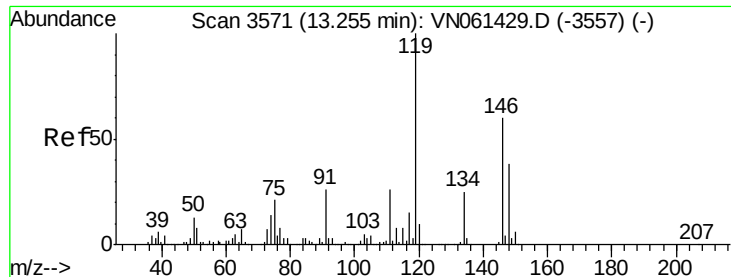
50000

0

Time-->

13.20 13.25 13.30





#87

1,3-Dichlorobenzene

Concen: 19.090 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampled :

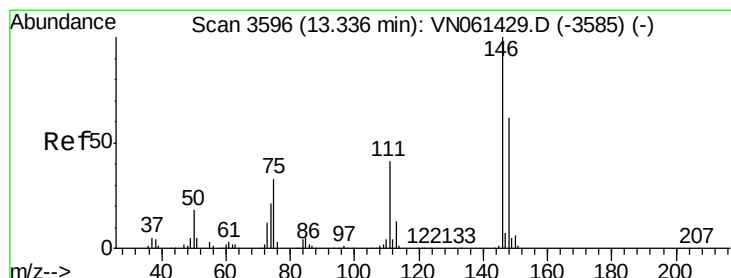
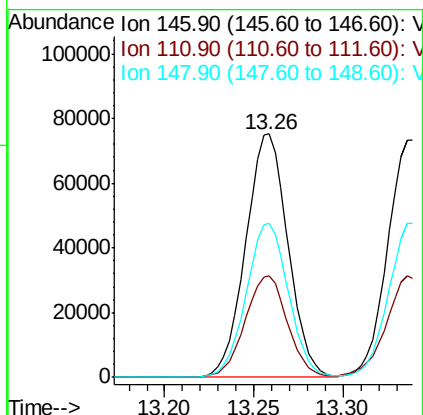
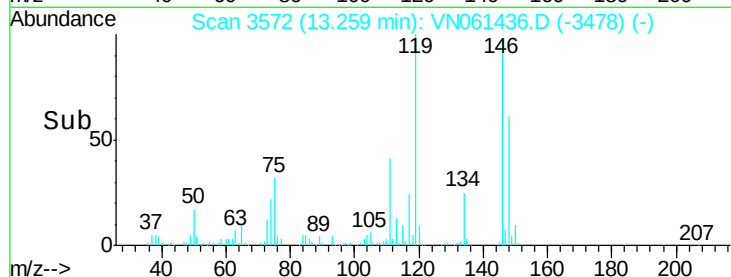
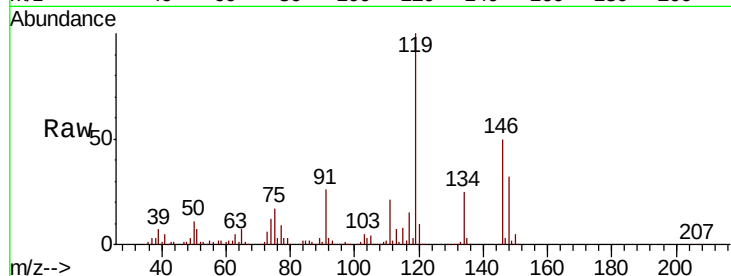
Tot Ion:146 Resp: 124361

Ion Ratio Lower Upper

146 100

111 41.8 21.5 64.5

148 63.2 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 19.123 ug/l

RT: 13.34 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

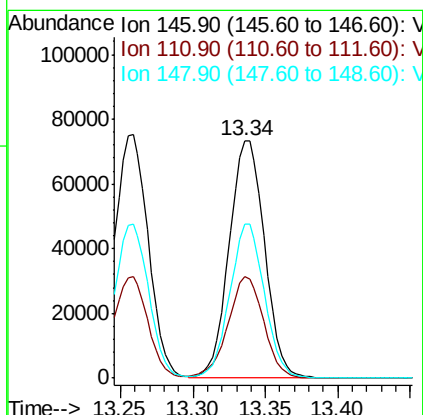
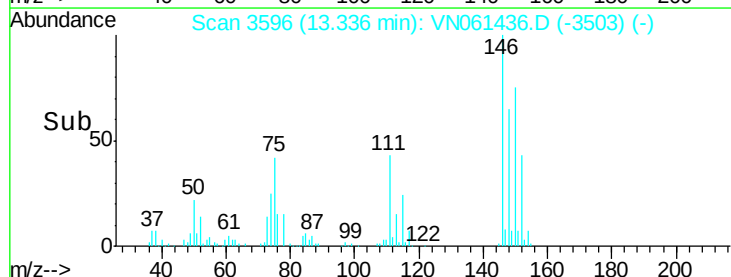
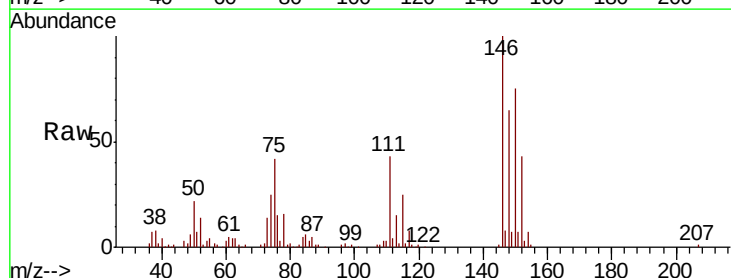
Tgt Ion:146 Resp: 124762

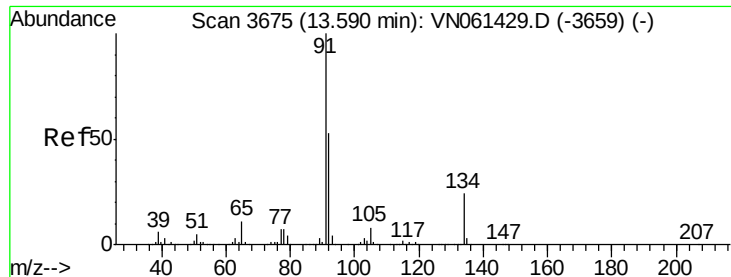
Ion Ratio Lower Upper

146 100

111 43.1 20.8 62.5

148 63.6 31.6 94.8





#89

n-Butylbenzene

Concen: 19.018 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

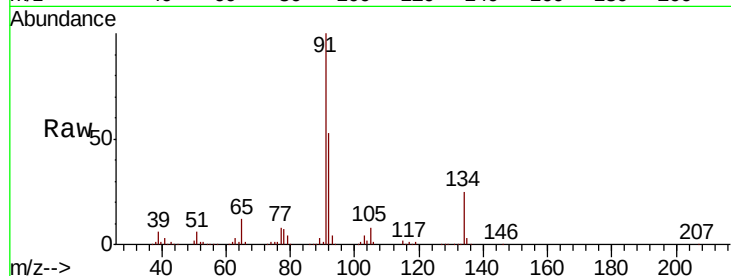
Tot Ion: 91 Resp: 238656

Ion Ratio Lower Upper

91 100

92 53.4 26.8 80.3

134 24.4 12.4 37.4

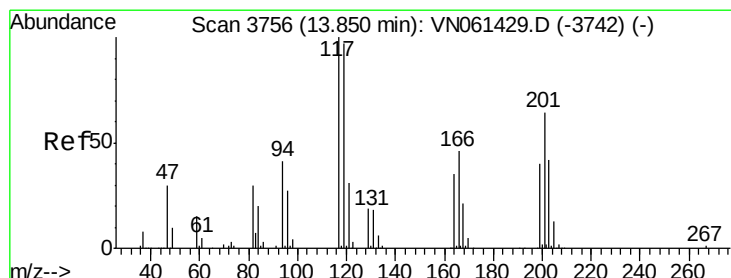
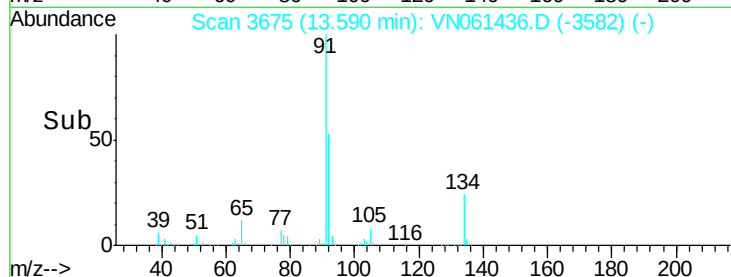


Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3659) (-)

Ion 92.00 (91.70 to 92.70): VN061429.D (-3659) (-)

Ion 134.00 (133.70 to 134.70): VN061429.D (-3659) (-)

Time-->



#90

Hexachloroethane

Concen: 19.089 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN061436.D

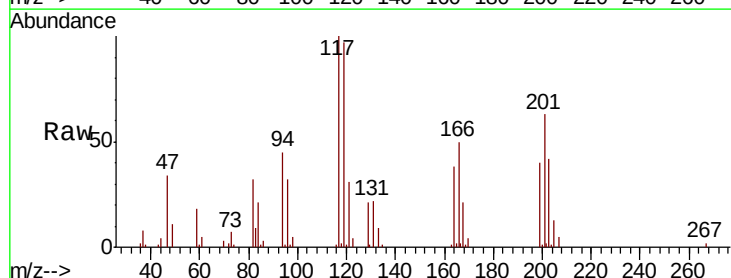
Acq: 18 May 2020 15:54

Tgt Ion: 117 Resp: 35736

Ion Ratio Lower Upper

117 100

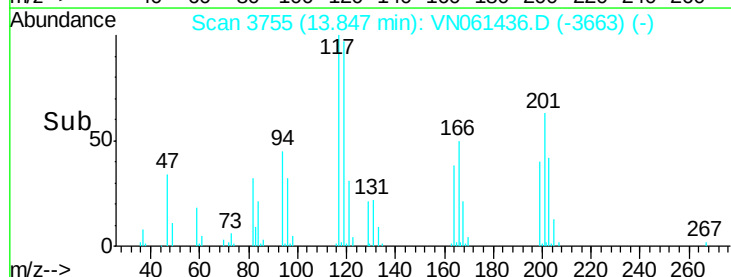
201 63.1 32.9 98.7

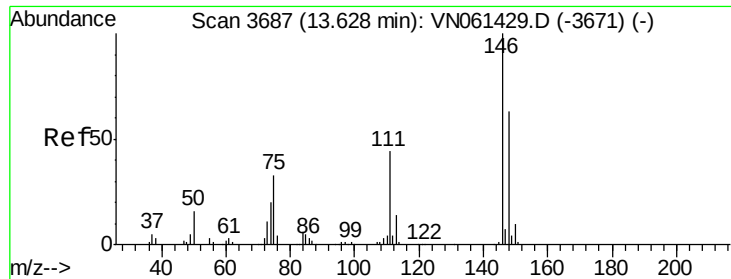


Abundance Ion 116.80 (116.50 to 117.50): VN061429.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061429.D (-3742) (-)

Time-->

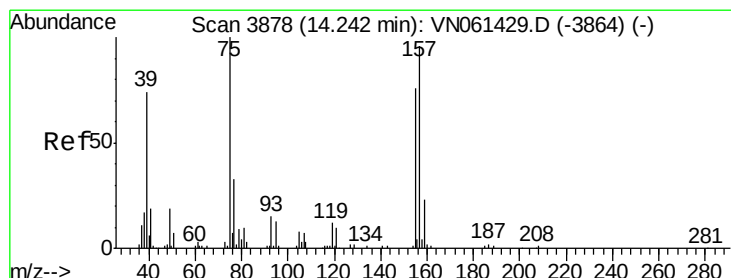
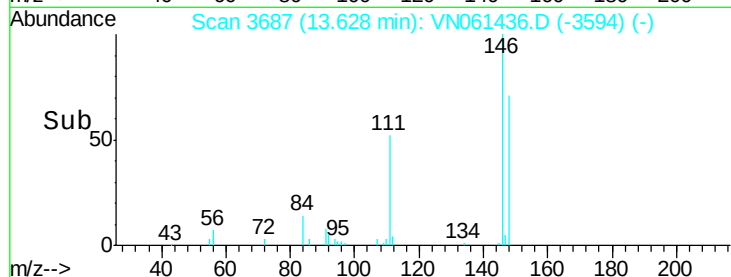
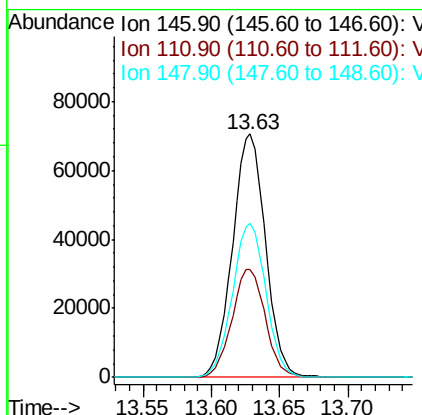
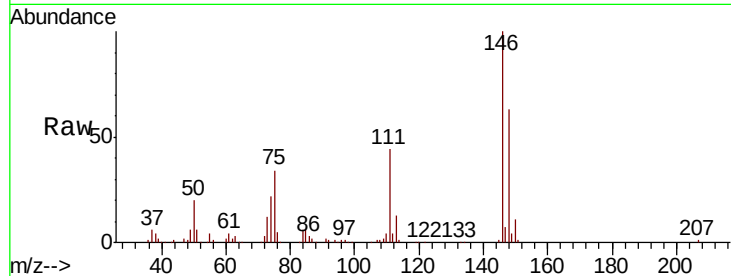




#91
 1,2-Dichlorobenzene
 Concen: 19.003 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

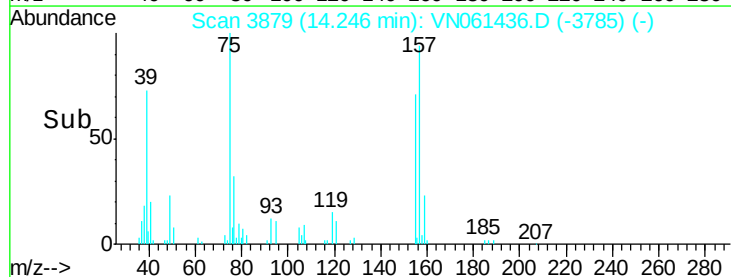
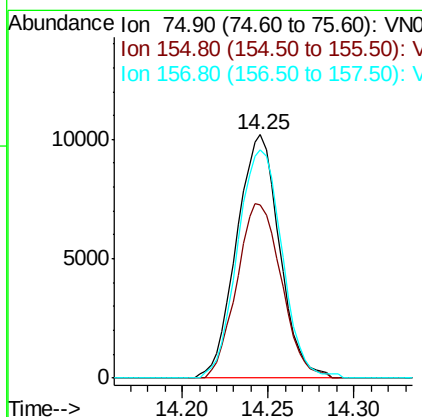
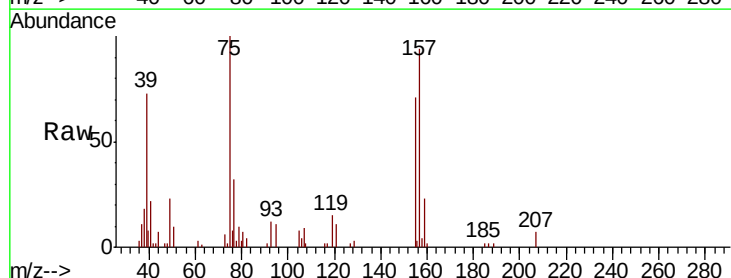
Instrument :
 MSVOA_N
 ClientSampled :

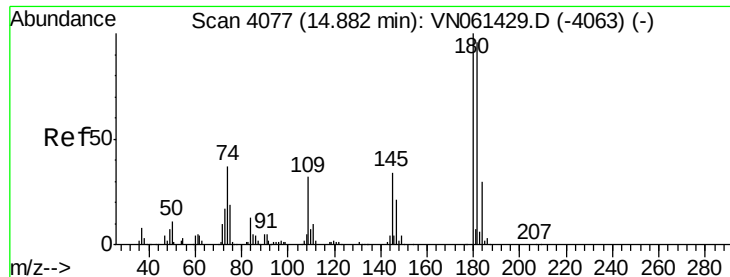
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.9	65.7
148	63.9	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.398 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.2	38.9	116.7
157	96.9	48.6	145.8

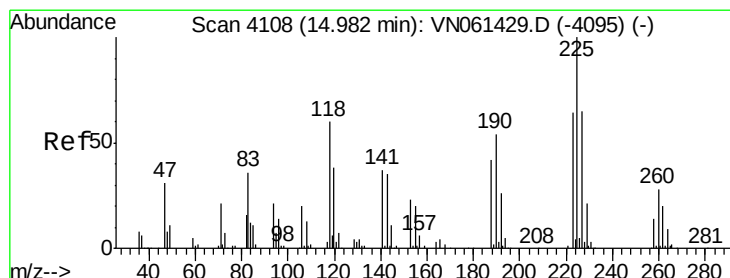
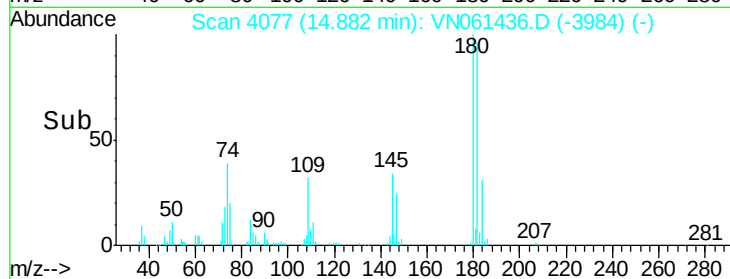
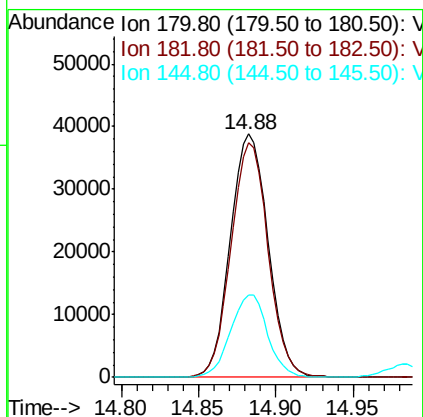
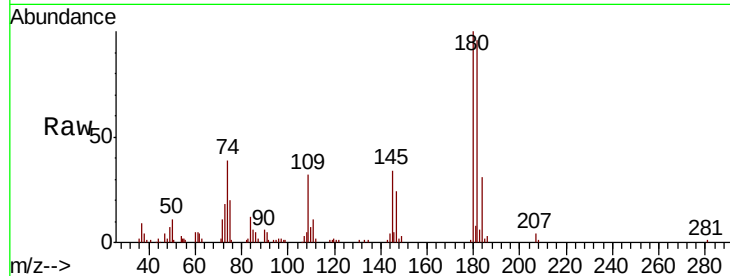




#93
 1,2,4-Trichlorobenzene
 Concen: 19.446 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

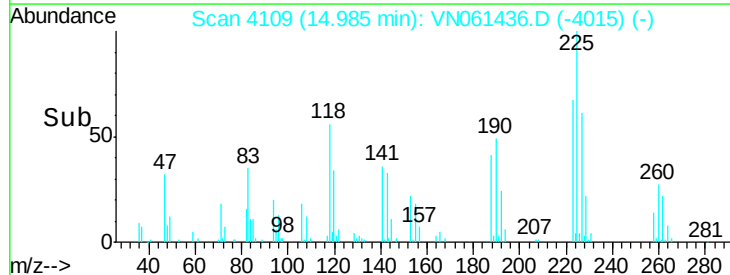
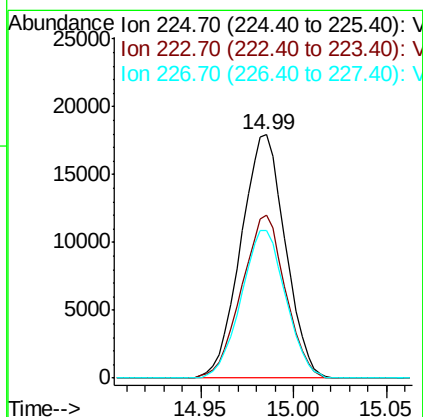
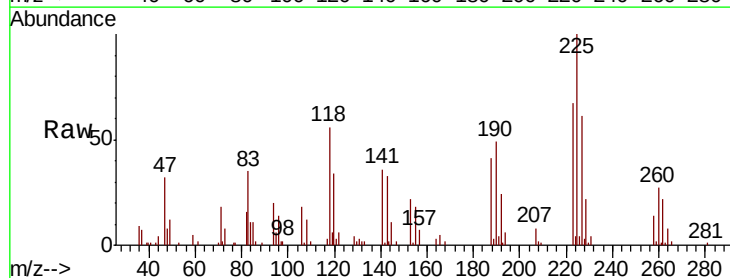
Instrument :
 MSVOA_N
 ClientSampled :

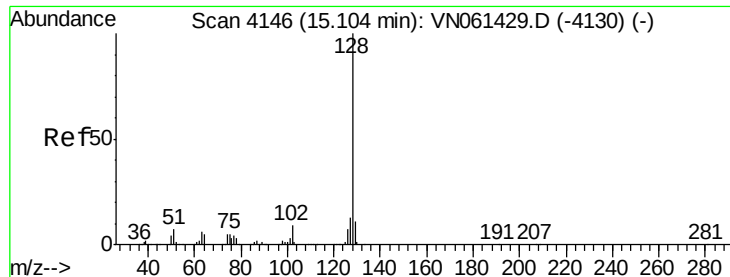
Tot Ion:180 Resp: 65889
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.0 141.0
 145 33.0 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 19.800 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion:225 Resp: 29809
 Ion Ratio Lower Upper
 225 100
 223 65.8 31.9 95.7
 227 60.6 31.5 94.5

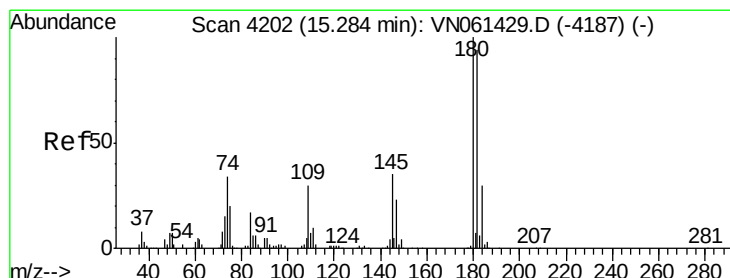
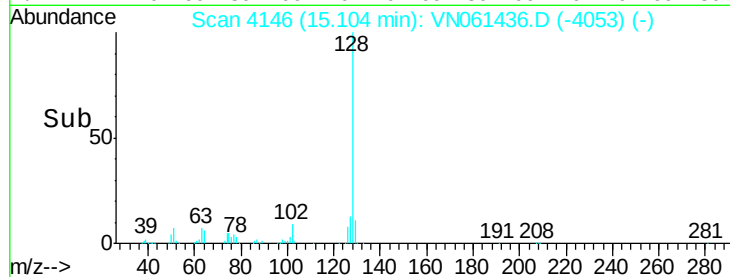
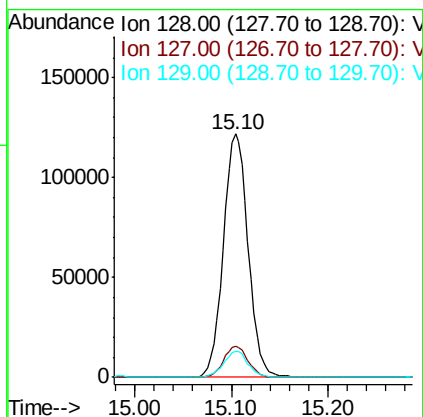
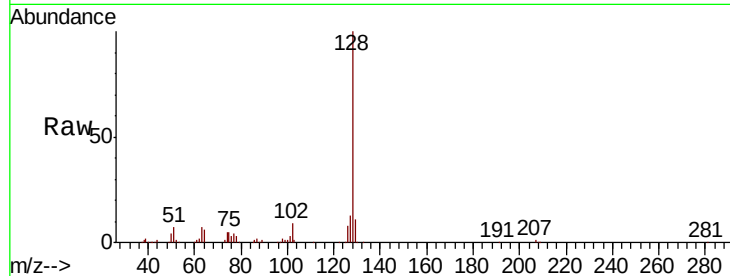




#95
Naphthalene
Concen: 20.080 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 216302
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.489 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion:180 Resp: 65738
Ion Ratio Lower Upper
180 100
182 96.6 47.8 143.3
145 35.9 17.3 51.9

