

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061429.D
 Acq On : 18 May 2020 12:00
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 12:34:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 12:26:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	292840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	539945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	512439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	245590	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	210170	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	
35) Dibromofluoromethane	7.55	113	135789	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
50) Toluene-d8	10.06	98	634318	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
62) 4-Bromofluorobenzene	12.37	95	240341	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	124976	52.752	ug/l	100
3) Chloromethane	2.03	50	189275	40.907	ug/l	100
4) Vinyl Chloride	2.16	62	283993	40.064	ug/l	100
5) Bromomethane	2.54	94	152922	39.811	ug/l	100
6) Chloroethane	2.67	64	185304	36.849	ug/l	100
7) Trichlorofluoromethane	2.98	101	336839	38.715	ug/l	100
8) Diethyl Ether	3.37	74	96937	49.430	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	142679	51.478	ug/l	100
10) Methyl Iodide	3.91	142	166306	48.203	ug/l	100
11) Tert butyl alcohol	4.73	59	130493	384.972	ug/l	100
12) 1,1-Dichloroethene	3.70	96	142045	47.852	ug/l	100
13) Acrolein	3.56	56	96586	251.679	ug/l	100
14) Allyl chloride	4.27	41	249701	47.450	ug/l	100
15) Acrylonitrile	4.93	53	379883	262.387	ug/l	100
16) Acetone	3.77	43	293926	259.106	ug/l	100
17) Carbon Disulfide	4.01	76	333741	43.687	ug/l	100
18) Methyl Acetate	4.28	43	155143	46.738	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	560482	48.230	ug/l	100
20) Methylene Chloride	4.50	84	173430	48.439	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	170995	47.631	ug/l	100
22) Diisopropyl ether	5.90	45	552819	47.223	ug/l	100
23) Vinyl Acetate	5.84	43	2245938	235.683	ug/l	100
24) 1,1-Dichloroethane	5.80	63	323455	48.377	ug/l	100
25) 2-Butanone	6.78	43	496423	264.363	ug/l	100
26) 2,2-Dichloropropane	6.77	77	298125	52.071	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	205236	49.229	ug/l	100
28) Bromochloromethane	7.15	49	148698	50.648	ug/l	100
29) Tetrahydrofuran	7.17	42	331230	259.848	ug/l	100
30) Chloroform	7.33	83	344836	49.139	ug/l	100
31) Cyclohexane	7.61	56	293385	44.699	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	311886	49.931	ug/l	100
36) 1,1-Dichloropropene	7.75	75	256501	47.616	ug/l	100
37) Ethyl Acetate	6.88	43	219609	48.904	ug/l	100
38) Carbon Tetrachloride	7.73	117	246010	53.272	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	313492	48.898	ug/l	100
40) Benzene	8.00	78	769489	48.534	ug/l	100
41) Methacrylonitrile	7.13	41	102039	48.967	ug/l	100
42) 1,2-Dichloroethane	8.09	62	275425	48.329	ug/l	100
43) Isopropyl Acetate	8.12	43	395654	45.822	ug/l	100
44) Trichloroethene	8.80	130	202485	49.425	ug/l	100
45) 1,2-Dichloropropane	9.08	63	193973	48.568	ug/l	100
46) Dibromomethane	9.18	93	134488	50.076	ug/l	100
47) Bromodichloromethane	9.37	83	290292	49.788	ug/l	100
48) Methyl methacrylate	9.17	41	180717	46.251	ug/l	100
49) 1,4-Dioxane	9.17	88	43251	1706.574	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	1122728	241.471	ug/l	100
52) Toluene	10.13	92	502491	49.930	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	323028	50.662	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	331768	49.333	ug/l	100
55) 1,1,2-Trichloroethane	10.54	97	191882	51.246	ug/l	100
56) Ethyl methacrylate	10.40	69	302934	49.481	ug/l	100
57) 1,3-Dichloropropane	10.68	76	329880	50.566	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	641143	247.940	ug/l	100
59) 2-Hexanone	10.72	43	811930	254.916	ug/l	100
60) Dibromochloromethane	10.87	129	217320	52.204	ug/l	100
61) 1,2-Dibromoethane	10.98	107	201587	51.185	ug/l	100
64) Tetrachloroethene	10.60	164	198805	49.553	ug/l	100
65) Chlorobenzene	11.41	112	525426	49.403	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	191767	51.083	ug/l	100
67) Ethyl Benzene	11.48	91	989620	50.230	ug/l	100
68) m/p-Xylenes	11.59	106	754775	101.976	ug/l	100
69) o-Xylene	11.92	106	361210	50.313	ug/l	100
70) Styrene	11.94	104	618358	51.301	ug/l	100
71) Bromoform	12.10	173	141229	53.416	ug/l #	100
73) Isopropylbenzene	12.22	105	977071	48.881	ug/l	100
74) N-amyl acetate	12.04	43	358651	45.875	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	267680	46.978	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	362215	70.619	ug/l #	100
77) Bromobenzene	12.50	156	212846	48.651	ug/l	100
78) n-propylbenzene	12.56	91	1135362	48.726	ug/l	100
79) 2-Chlorotoluene	12.65	91	654388	47.903	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	820583	49.052	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	95939	48.916	ug/l	100
82) 4-Chlorotoluene	12.75	91	691272	48.161	ug/l	100
83) tert-Butylbenzene	12.97	119	698226	48.926	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	827734	49.585	ug/l	100
85) sec-Butylbenzene	13.15	105	951201	49.382	ug/l	100
86) p-Isopropyltoluene	13.26	119	852487	50.982	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	396892	50.027	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	401169	49.239	ug/l	100
89) n-Butylbenzene	13.59	91	776342	51.167	ug/l	100
90) Hexachloroethane	13.85	117	119905	52.046	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	384210	50.659	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	54808	50.030	ug/l	100

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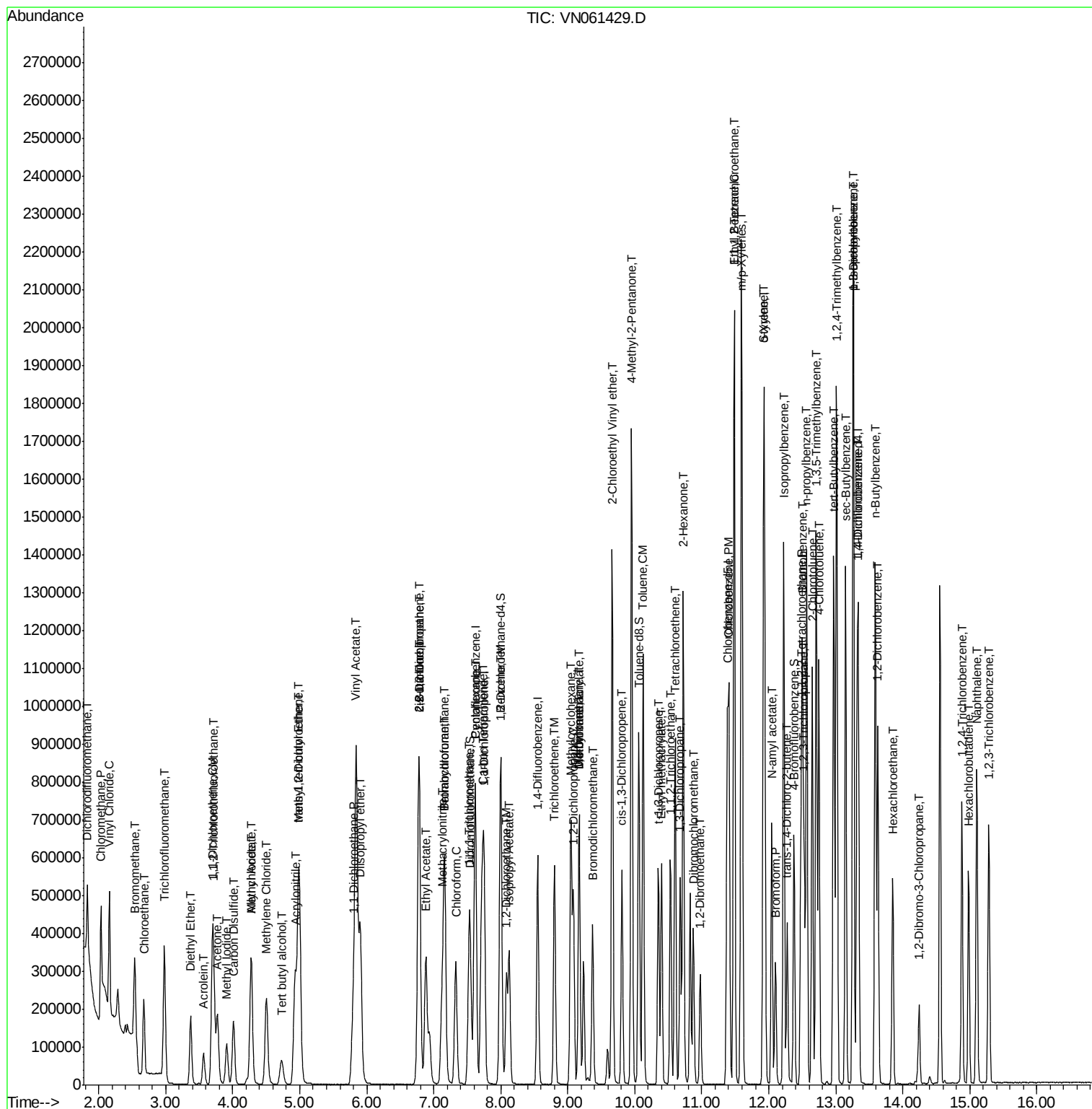
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	217691	52.347	ug/l	100
94) Hexachlorobutadiene	14.98	225	91724	57.274	ug/l	100
95) Naphthalene	15.10	128	703223	52.215	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	211268	50.832	ug/l	100

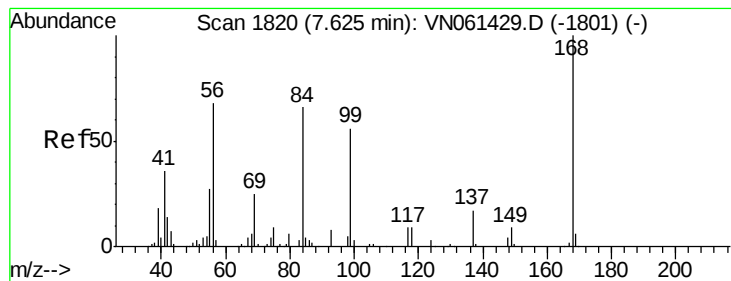
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

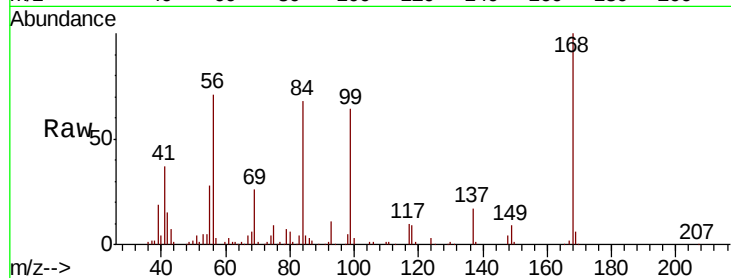
ClientSampleId :

Tot Ion:168 Resp: 292840

Ion Ratio Lower Upper

168 100

99 63.9 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

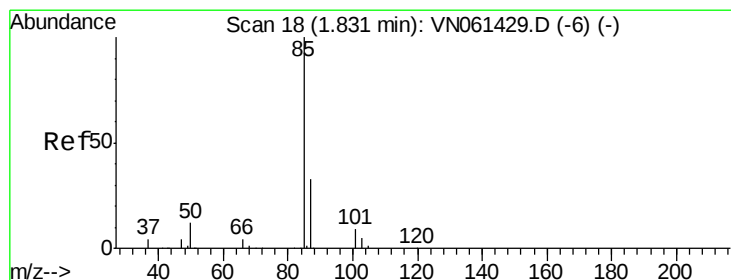
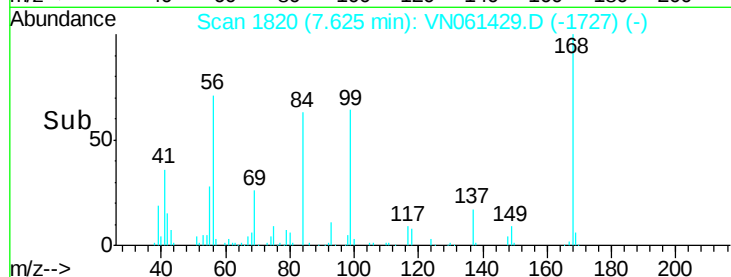
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 52.752 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061429.D

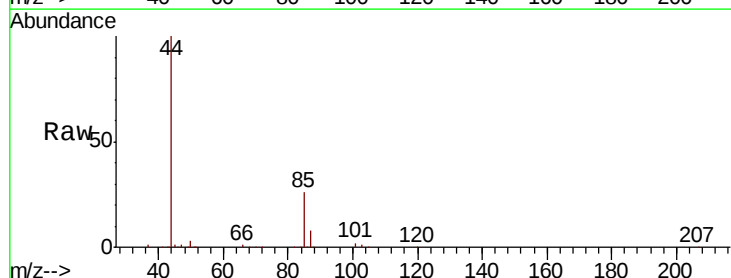
Acq: 18 May 2020 12:00

Tgt Ion: 85 Resp: 124976

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

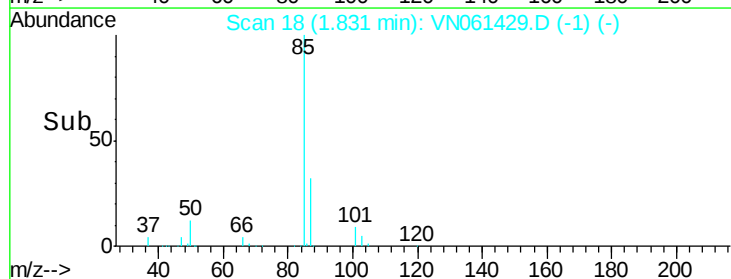
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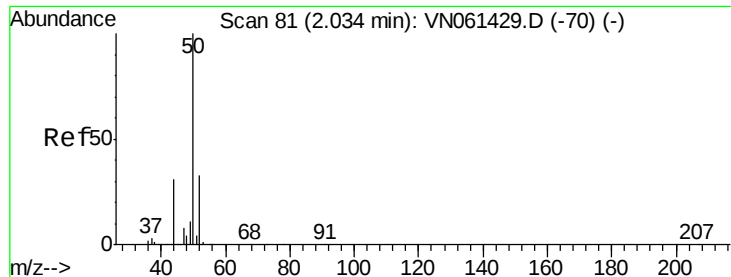
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 40.907 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

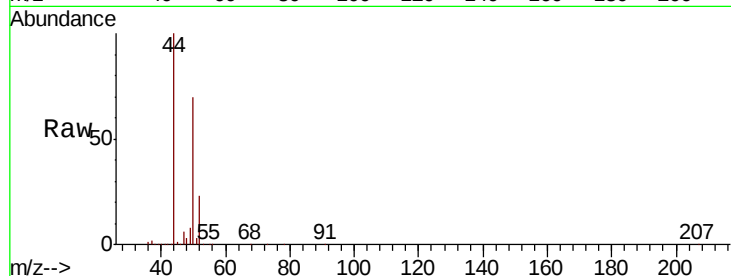
ClientSampleId :

Tot Ion: 50 Resp: 189275

Ion Ratio Lower Upper

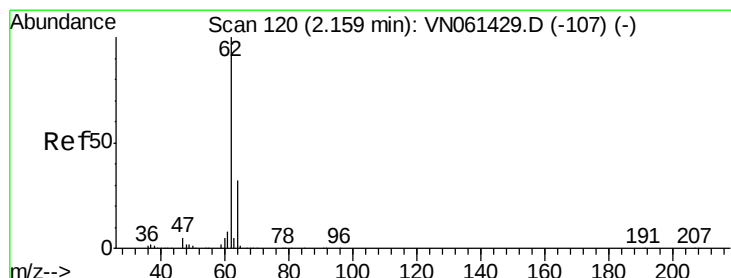
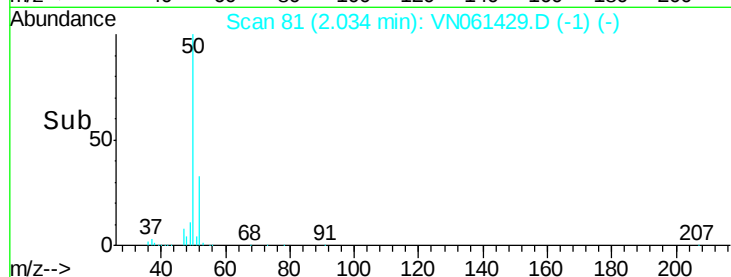
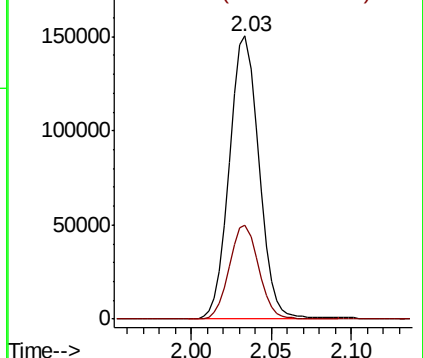
50 100

52 33.4 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 40.064 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061429.D

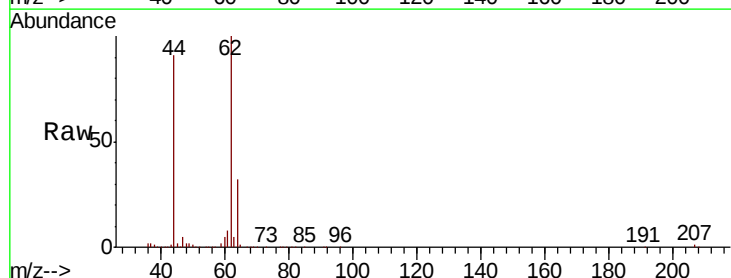
Acq: 18 May 2020 12:00

Tgt Ion: 62 Resp: 283993

Ion Ratio Lower Upper

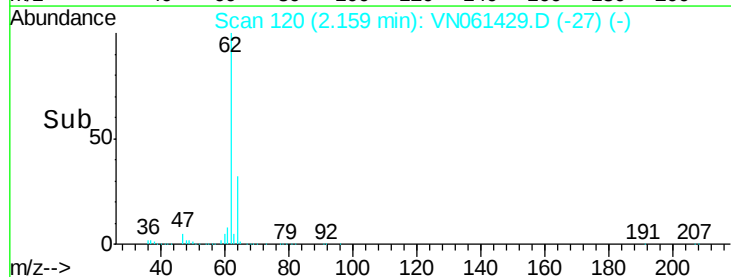
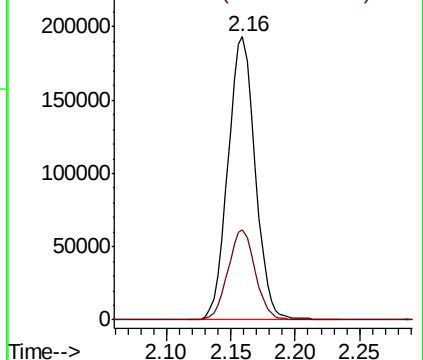
62 100

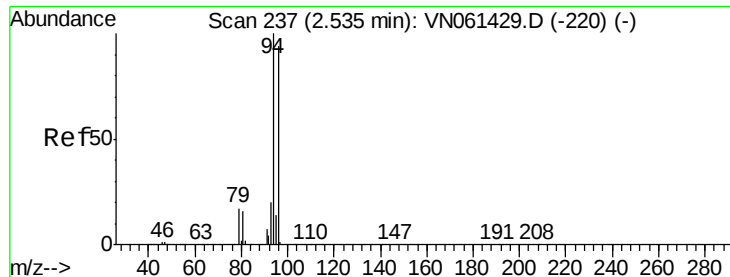
64 31.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 39.811 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

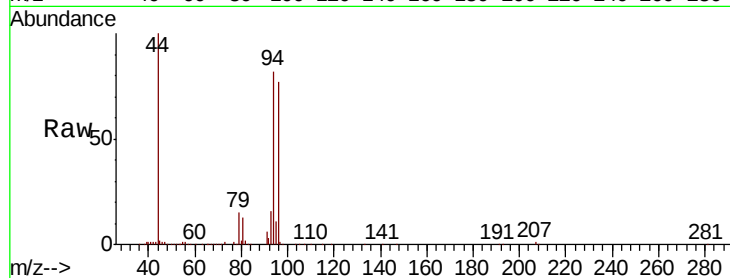
ClientSampleId :

Tot Ion: 94 Resp: 152922

Ion Ratio Lower Upper

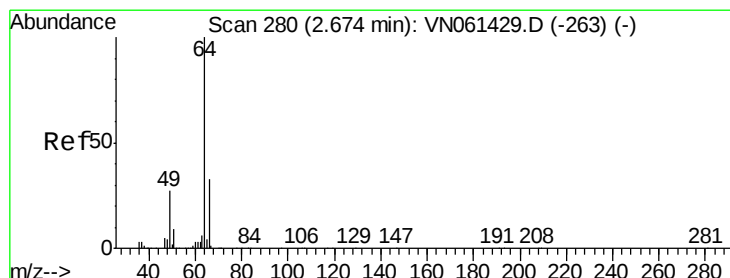
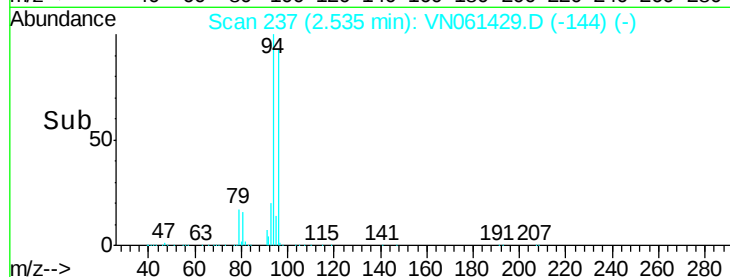
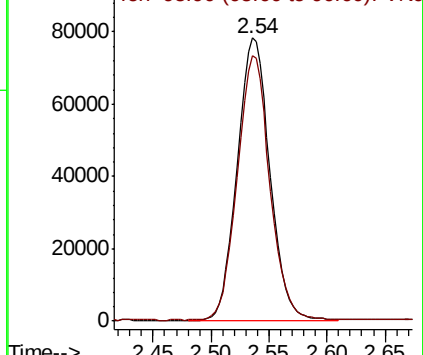
94 100

96 93.6 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 36.849 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061429.D

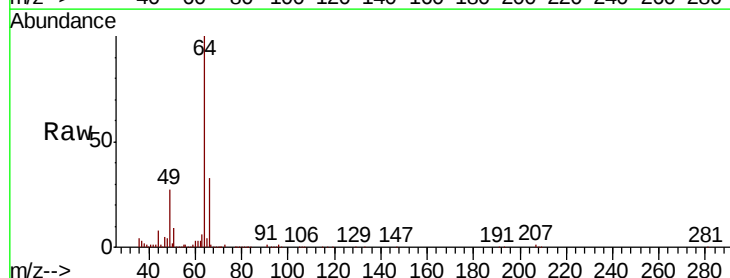
Acq: 18 May 2020 12:00

Tgt Ion: 64 Resp: 185304

Ion Ratio Lower Upper

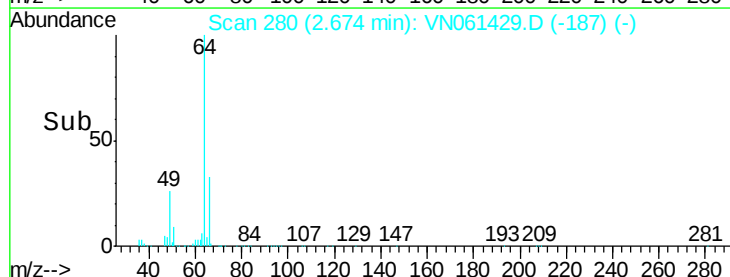
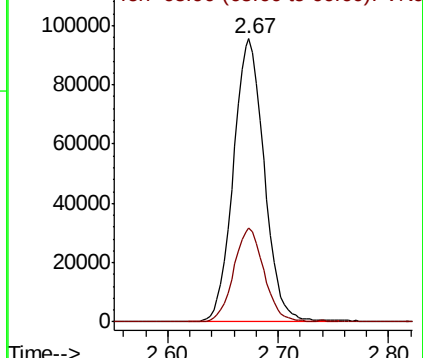
64 100

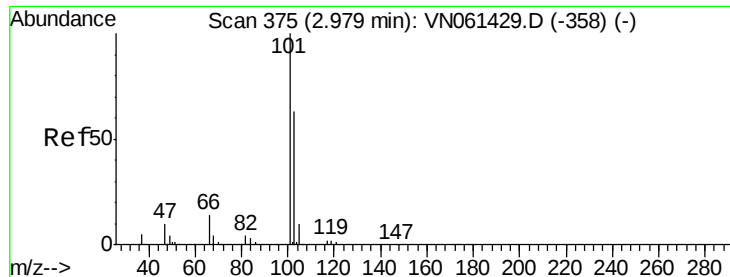
66 32.9 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



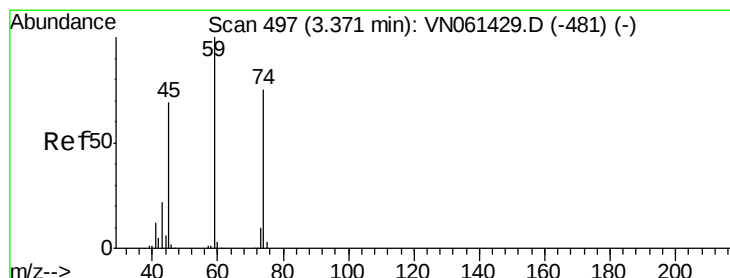
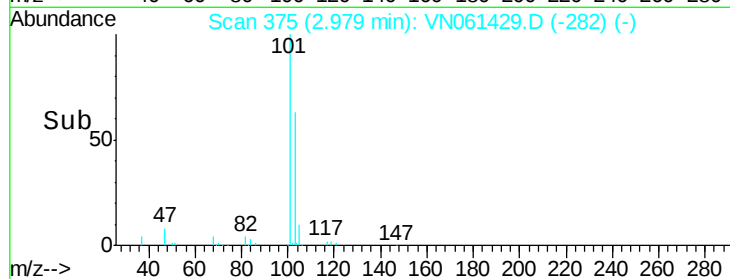
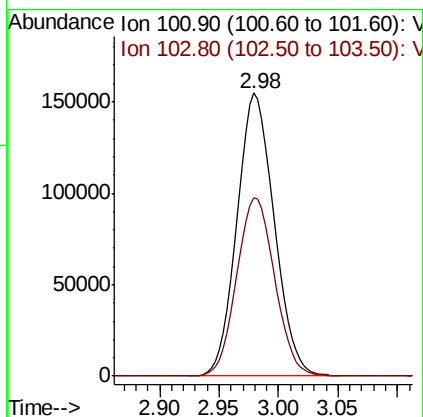
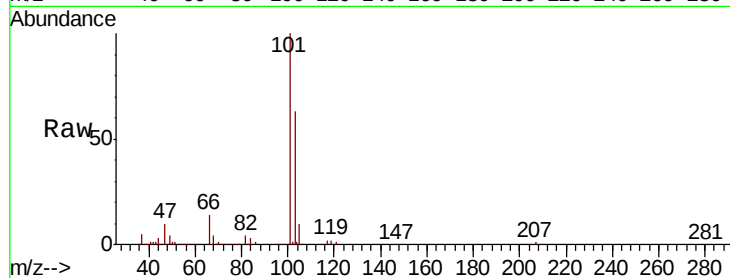


#7

Trichlorofluoromethane
 Concen: 38.715 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN061429.D
 Acq: 18 May 2020 12:00

Instrument :
 MSVOA_N
 ClientSampled :

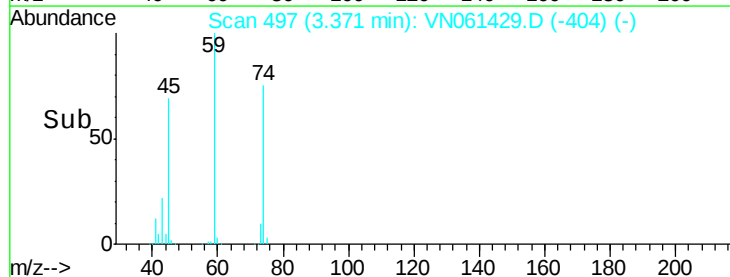
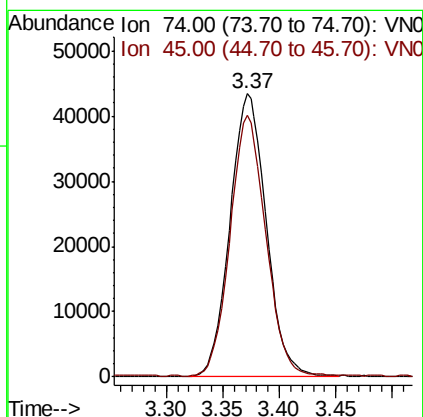
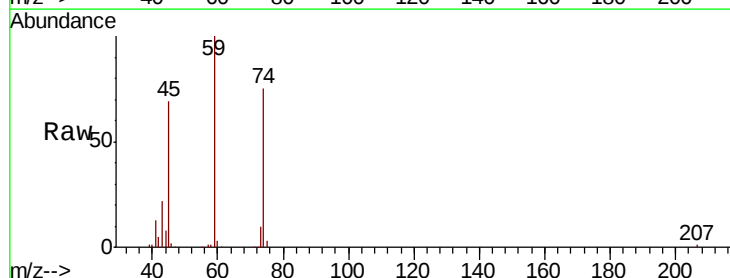
Tot Ion:101 Resp: 336839
 Ion Ratio Lower Upper
 101 100
 103 62.8 50.2 75.4

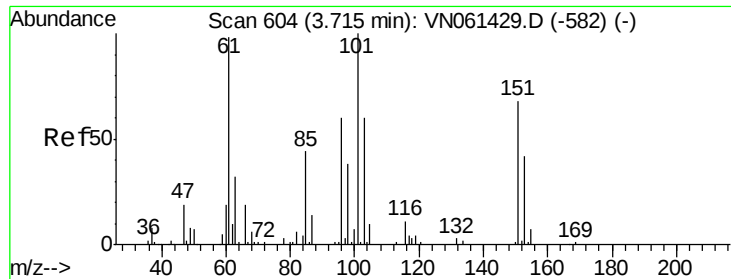


#8

Diethyl Ether
 Concen: 49.430 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN061429.D
 Acq: 18 May 2020 12:00

Tgt Ion: 74 Resp: 96937
 Ion Ratio Lower Upper
 74 100
 45 91.4 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.478 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

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ClientSampleId :

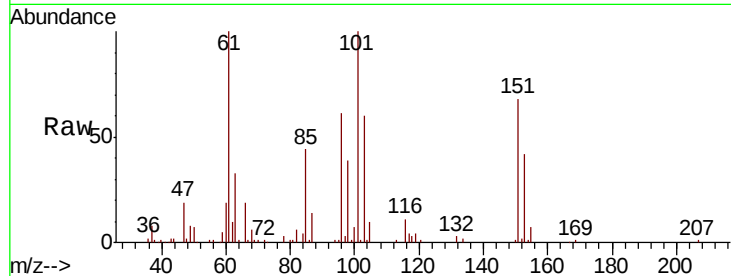
Tot Ion:101 Resp: 142679

Ion Ratio Lower Upper

101 100

85 45.8 36.6 55.0

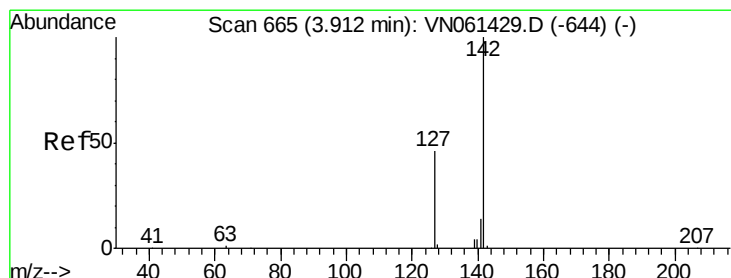
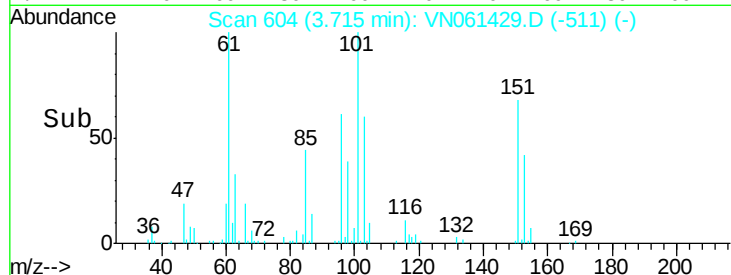
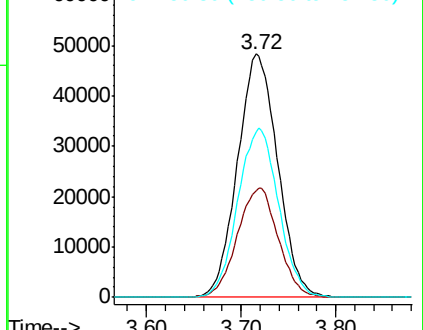
151 70.4 56.3 84.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.203 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

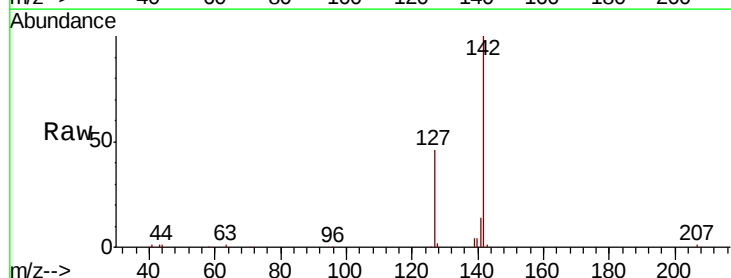
Tgt Ion:142 Resp: 166306

Ion Ratio Lower Upper

142 100

127 45.9 36.7 55.1

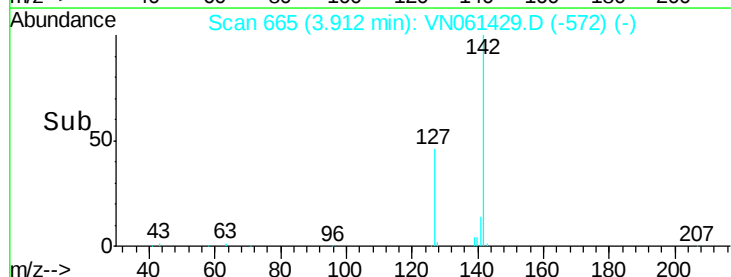
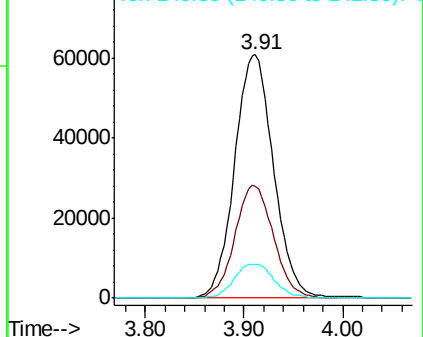
141 14.4 11.5 17.3

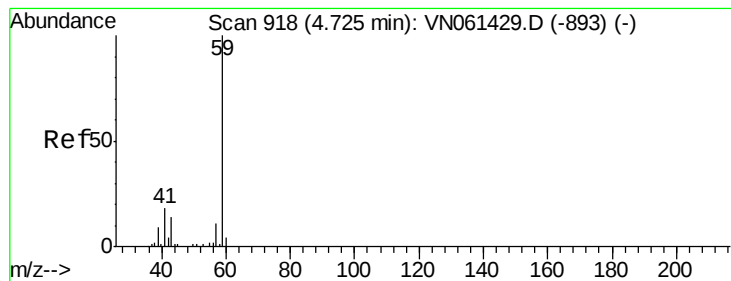


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



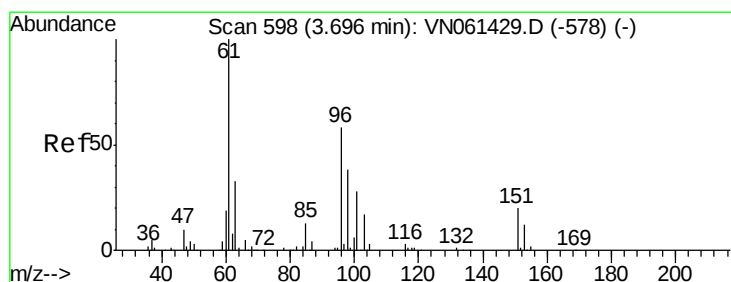
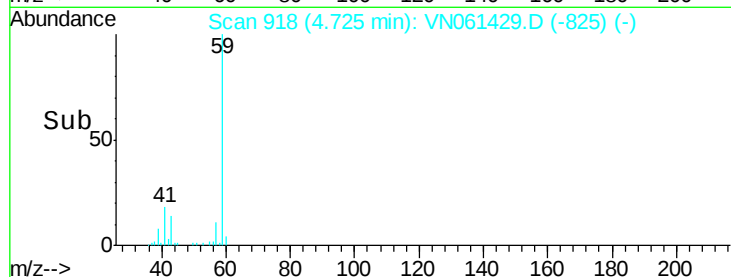
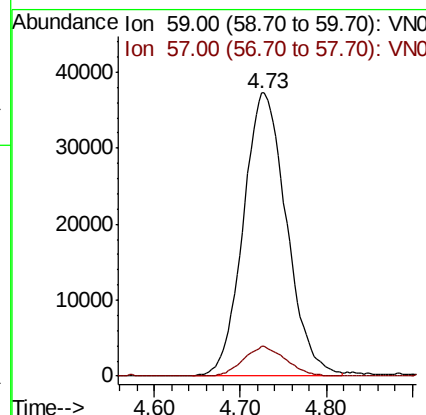
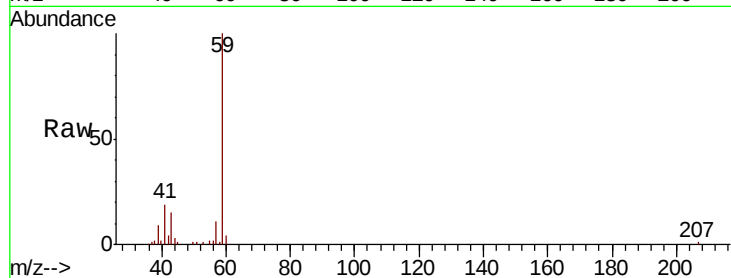


#11

Tert butyl alcohol
Concen: 384.972 ug/l
RT: 4.73 min Scan# 918
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :

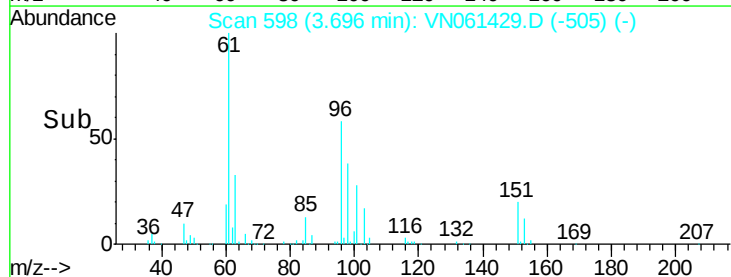
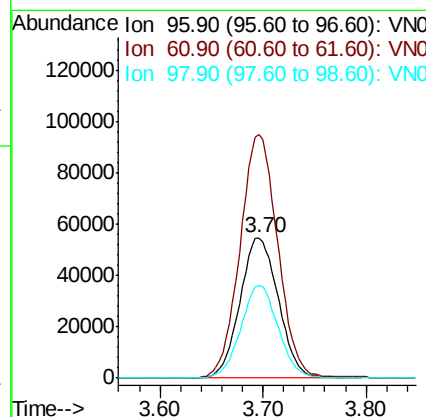
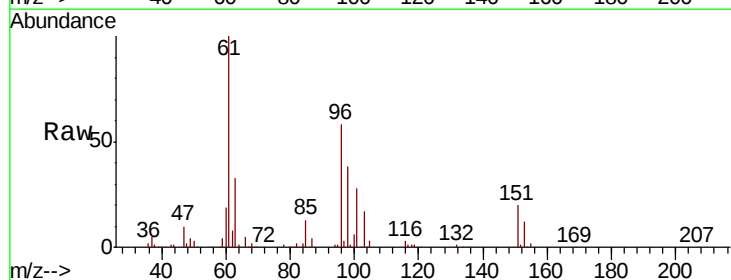
Tot Ion: 59 Resp: 130493
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2

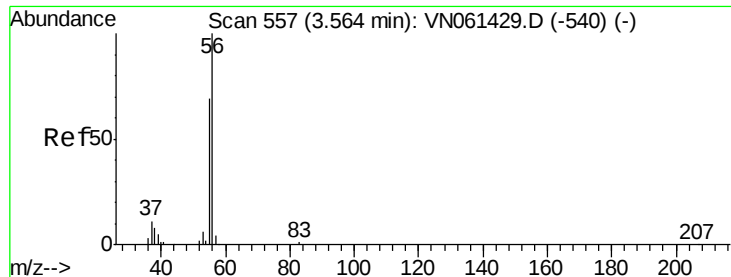


#12

1,1-Dichloroethene
Concen: 47.852 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

Tgt Ion: 96 Resp: 142045
Ion Ratio Lower Upper
96 100
61 173.4 138.7 208.1
98 66.3 53.0 79.6





#13

Acrolein

Concen: 251.679 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

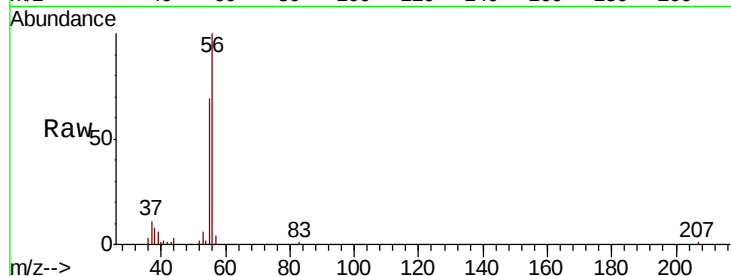
ClientSampleId :

Tot Ion: 56 Resp: 96586

Ion Ratio Lower Upper

56 100

55 68.5 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN061429.D (-540) (-)

Ion 55.00 (54.70 to 55.70): VN061429.D (-540) (-)

3.56

40000

30000

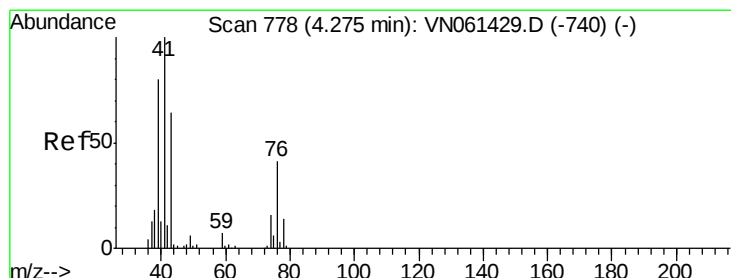
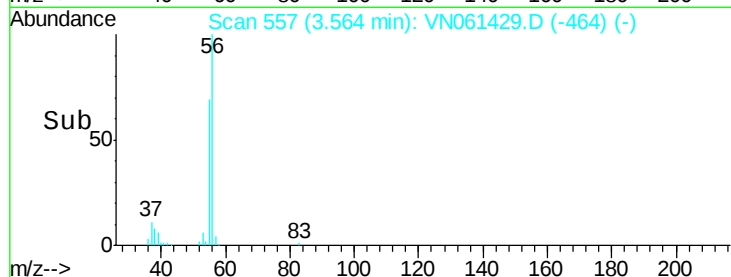
20000

10000

0

3.50 3.60 3.70

Time-->



#14

Allyl chloride

Concen: 47.450 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

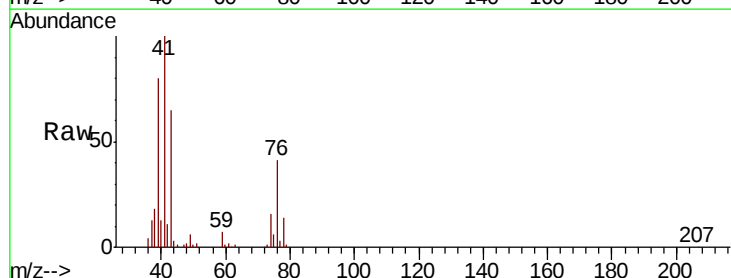
Tgt Ion: 41 Resp: 249701

Ion Ratio Lower Upper

41 100

39 76.5 61.2 91.8

76 37.4 29.9 44.9



Abundance Ion 41.00 (40.70 to 41.70): VN061429.D (-740) (-)

Ion 39.00 (38.70 to 39.70): VN061429.D (-740) (-)

Ion 75.90 (75.60 to 76.60): VN061429.D (-740) (-)

4.27

100000

80000

60000

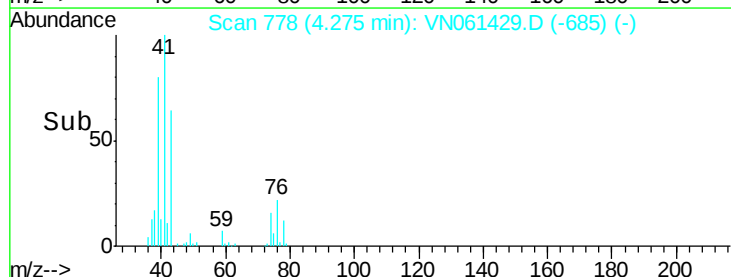
40000

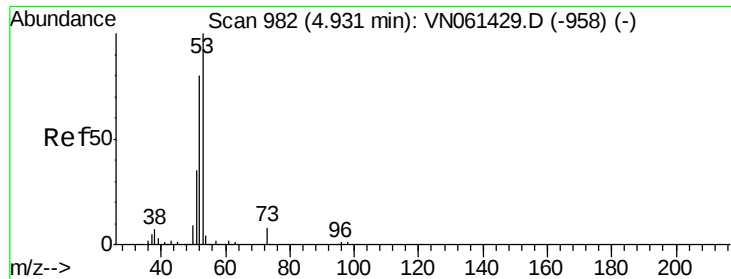
20000

0

4.10 4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 262.387 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

ClientSampled :

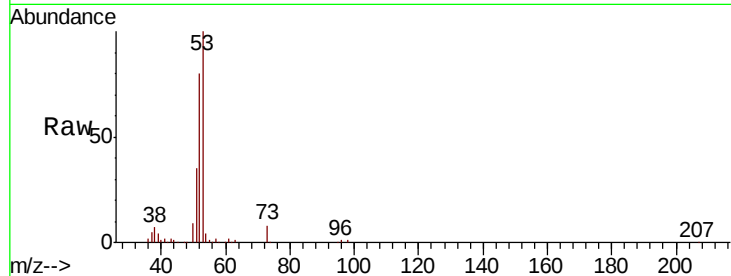
Tot Ion: 53 Resp: 379883

Ion Ratio Lower Upper

53 100

52 80.9 64.7 97.1

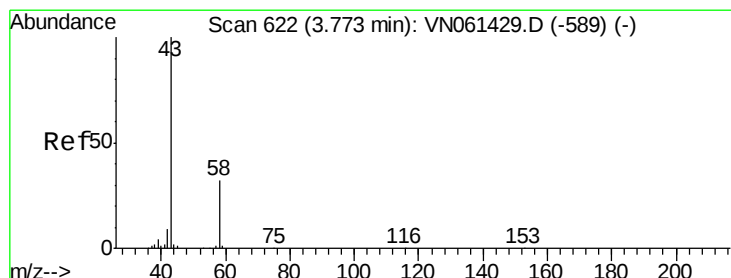
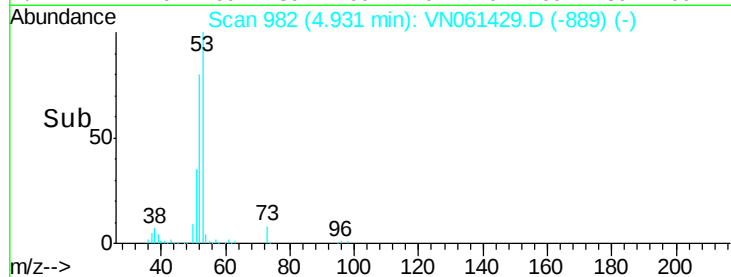
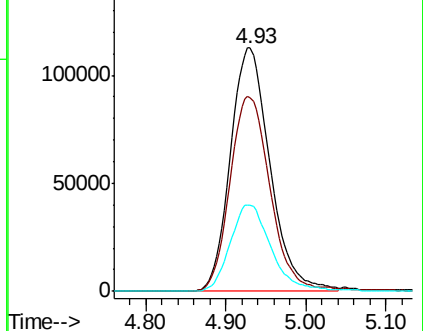
51 36.9 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN061429.D (-958) (-)

Ion 52.00 (51.70 to 52.70): VN061429.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VN061429.D (-958) (-)



#16

Acetone

Concen: 259.106 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061429.D

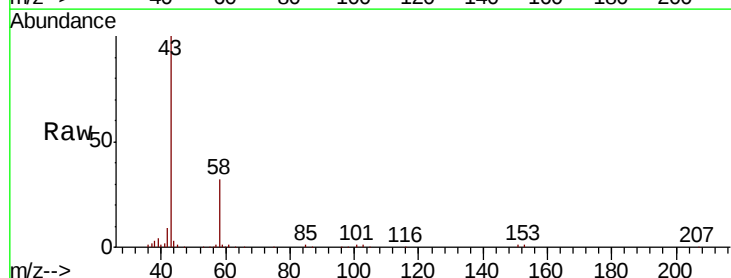
Acq: 18 May 2020 12:00

Tgt Ion: 43 Resp: 293926

Ion Ratio Lower Upper

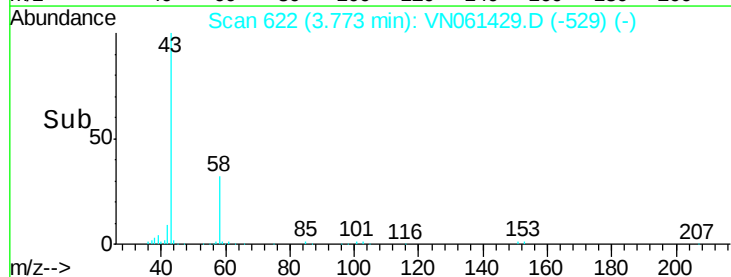
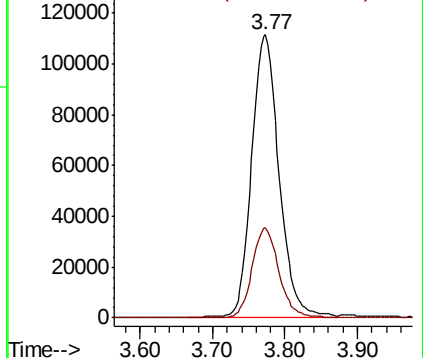
43 100

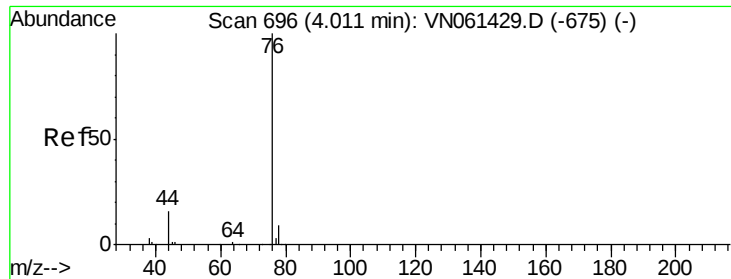
58 32.0 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-589) (-)

Ion 58.00 (57.70 to 58.70): VN061429.D (-589) (-)

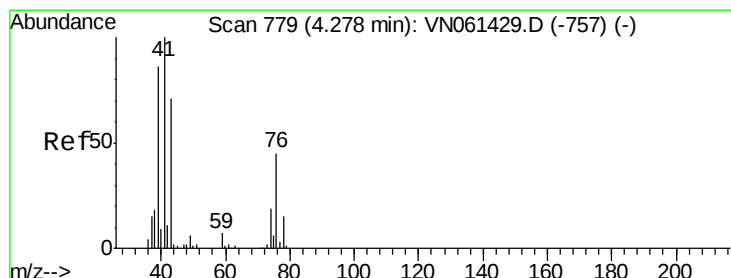
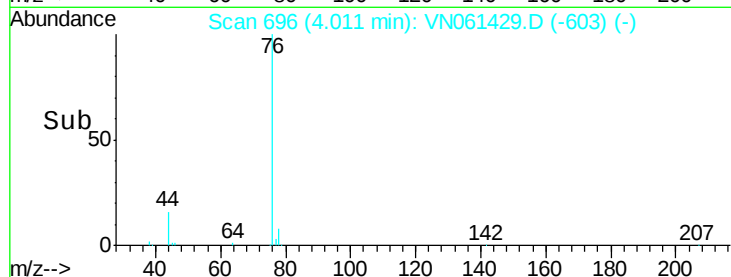
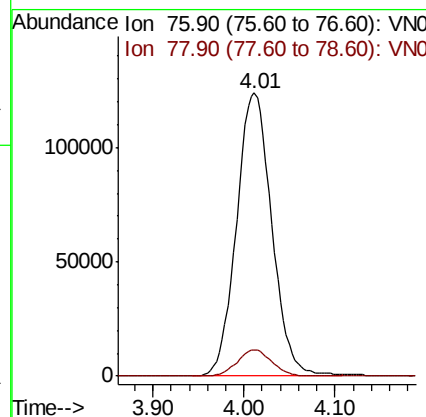
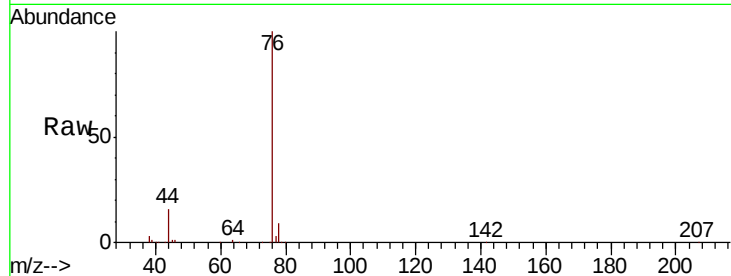




#17
Carbon Disulfide
Concen: 43.687 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

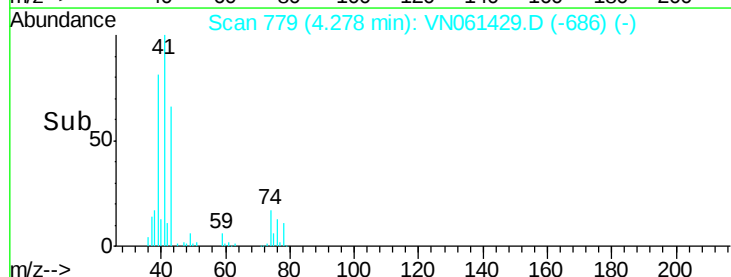
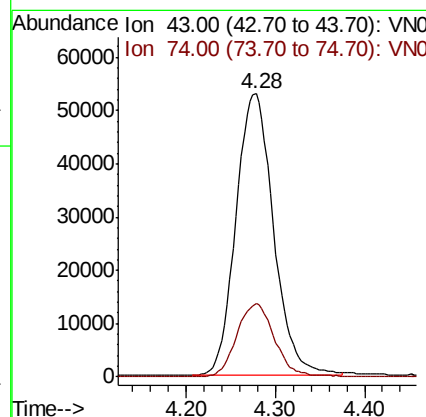
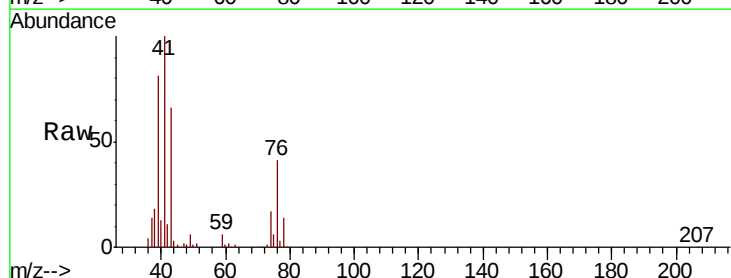
Instrument :
MSVOA_N
ClientSampled :

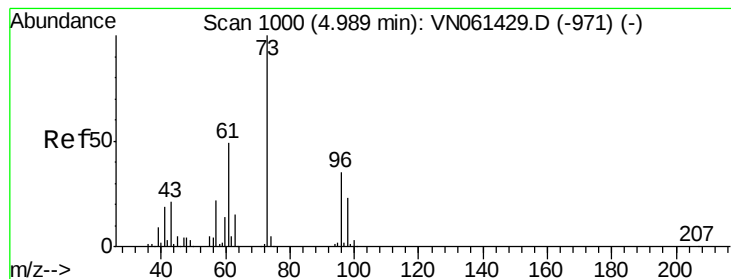
Tot Ion: 76 Resp: 333741
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 46.738 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

Tgt Ion: 43 Resp: 155143
Ion Ratio Lower Upper
43 100
74 26.0 20.8 31.2



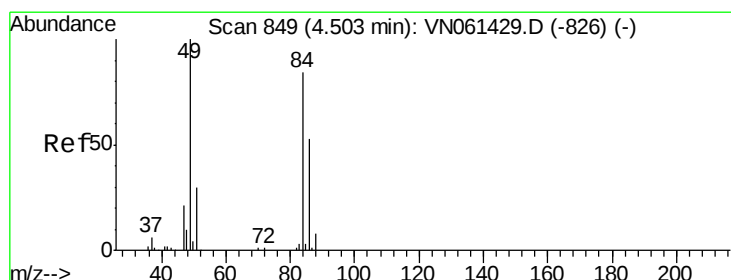
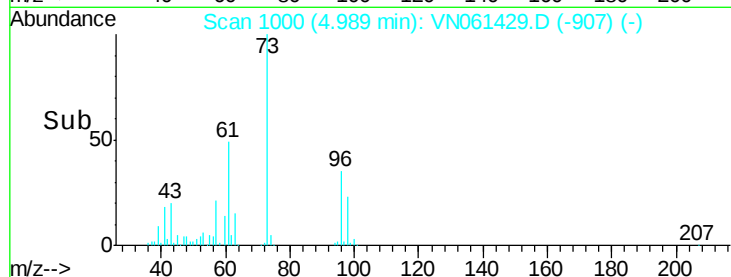
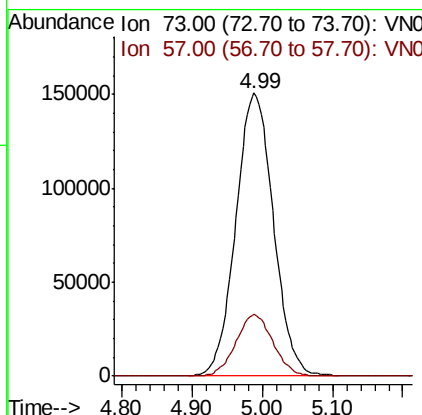
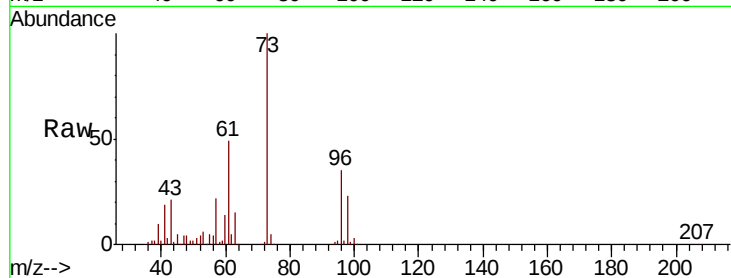


#19

Methyl tert-butyl Ether
 Concen: 48.230 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN061429.D
 Acq: 18 May 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :

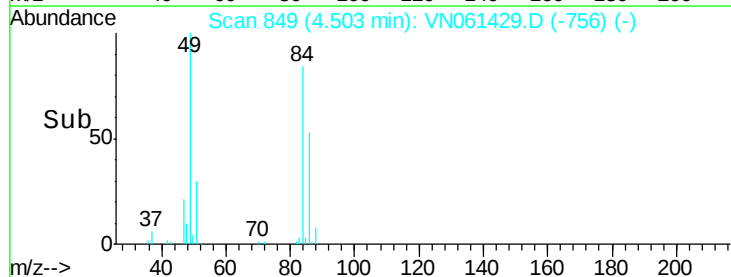
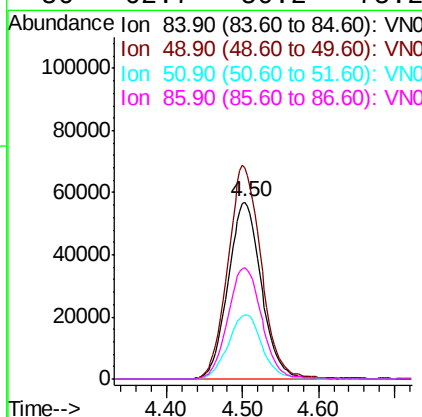
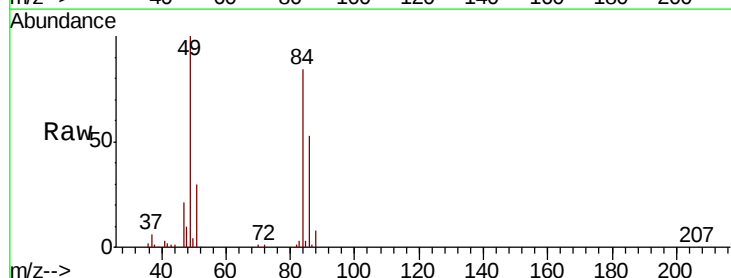
Tot Ion: 73 Resp: 560482
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.4 26.0

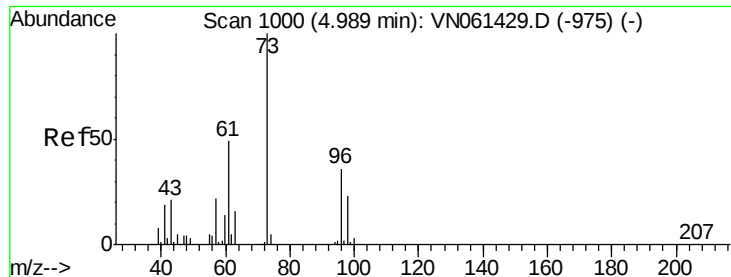


#20

Methylene Chloride
 Concen: 48.439 ug/l
 RT: 4.50 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN061429.D
 Acq: 18 May 2020 12:00

Tgt Ion: 84 Resp: 173430
 Ion Ratio Lower Upper
 84 100
 49 119.1 95.3 142.9
 51 36.3 29.0 43.6
 86 62.7 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 47.631 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

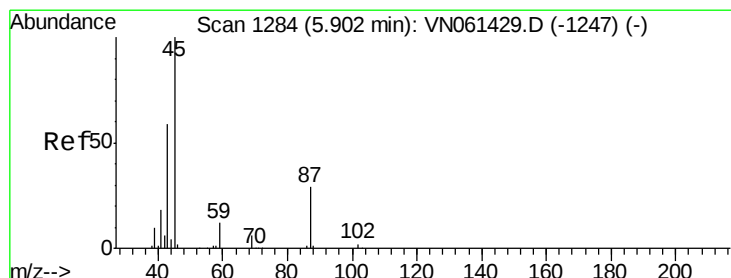
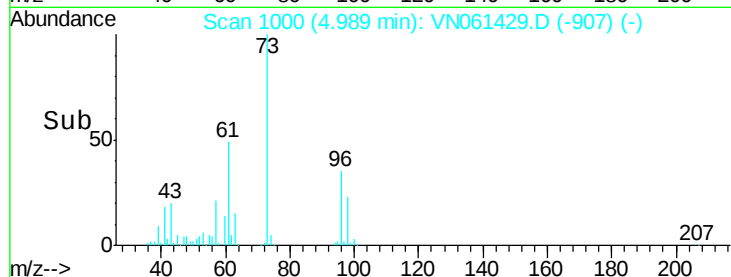
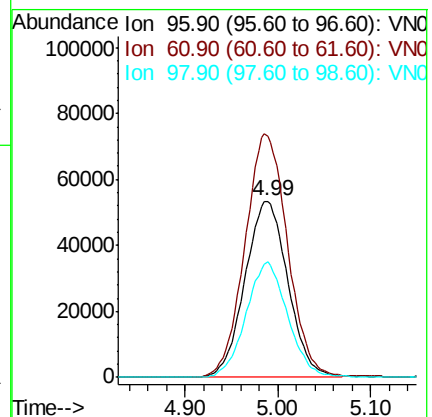
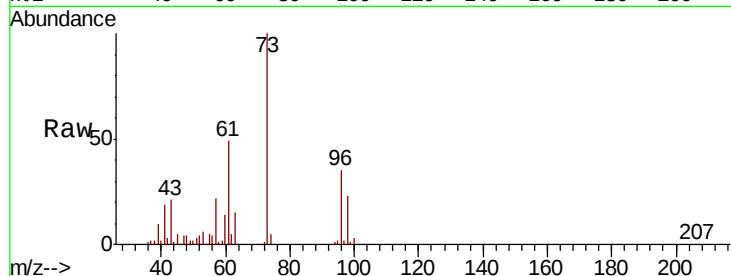
Tot Ion: 96 Resp: 170995

Ion Ratio Lower Upper

96 100

61 137.2 109.8 164.6

98 65.5 52.4 78.6



#22

Diisopropyl ether

Concen: 47.223 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Tgt Ion: 45 Resp: 552819

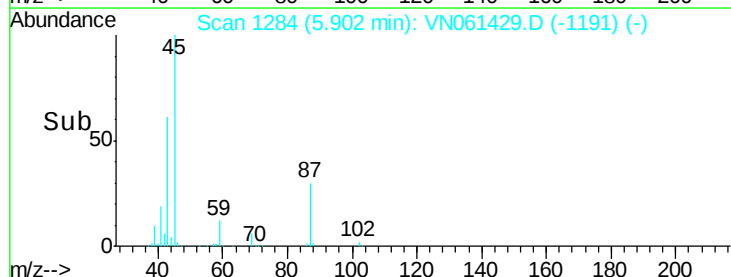
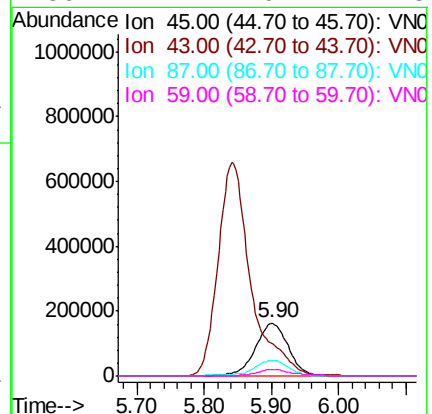
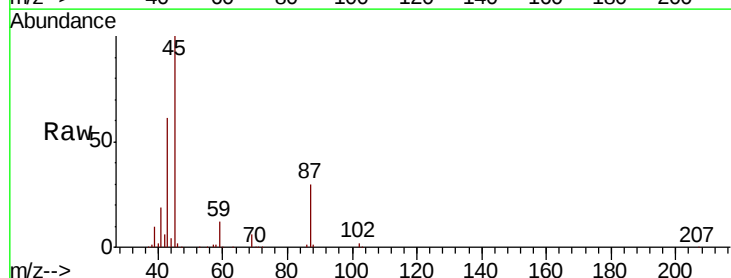
Ion Ratio Lower Upper

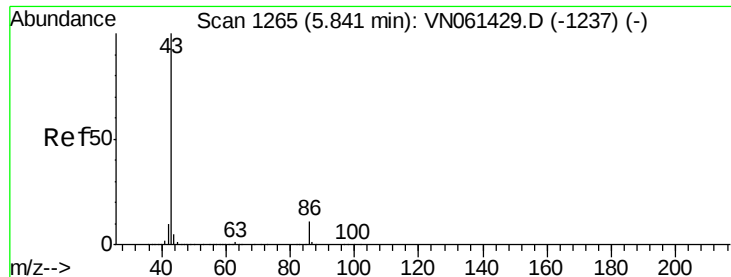
45 100

43 59.9 47.9 71.9

87 30.0 24.0 36.0

59 12.1 9.7 14.5

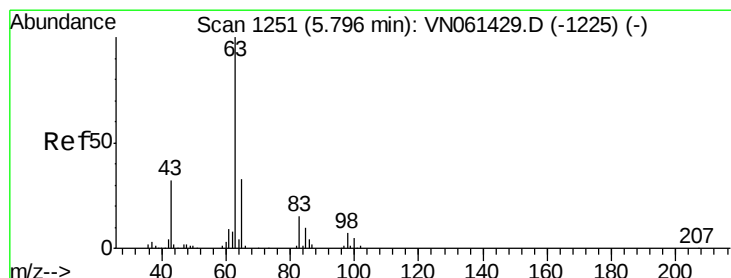
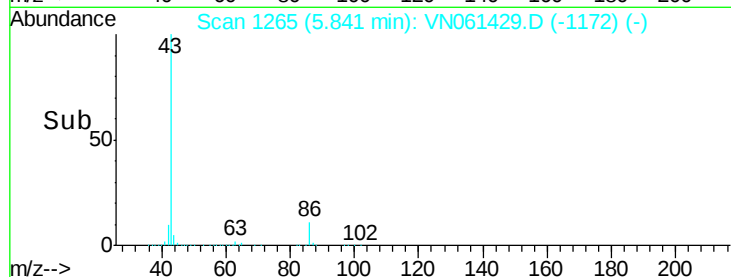
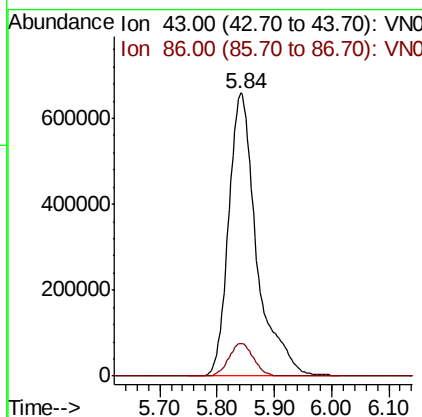
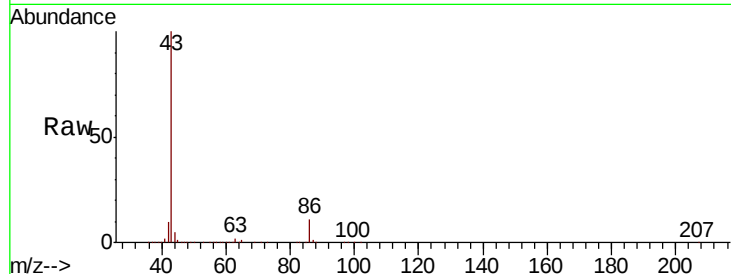




#23
 Vinyl Acetate
 Concen: 235.683 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VN061429.D
 Acq: 18 May 2020 12:00

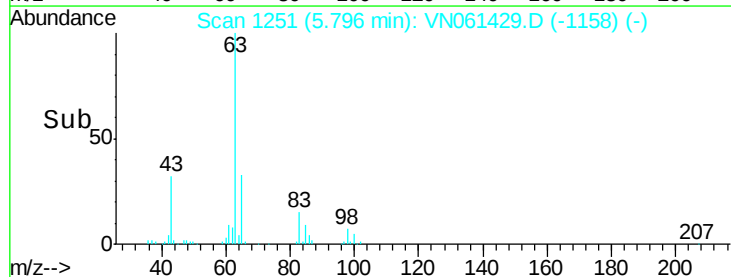
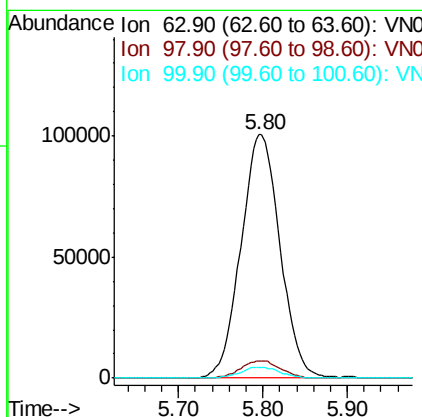
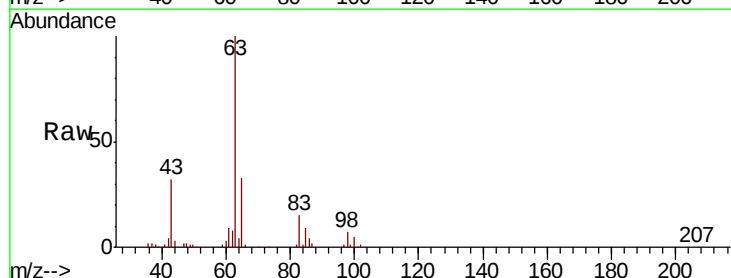
Instrument :
 MSVOA_N
 ClientSampleId :

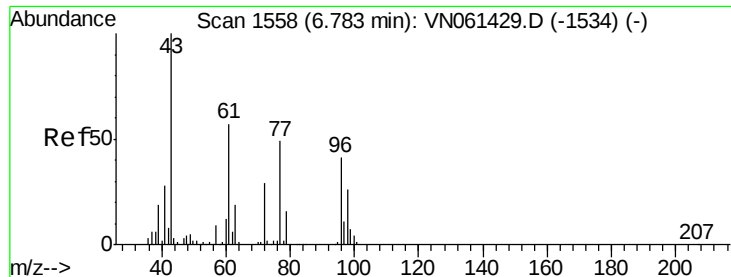
Tot Ion: 43 Resp: 2245938
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 48.377 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VN061429.D
 Acq: 18 May 2020 12:00

Tgt Ion: 63 Resp: 323455
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.5
 100 4.6 2.3 6.9

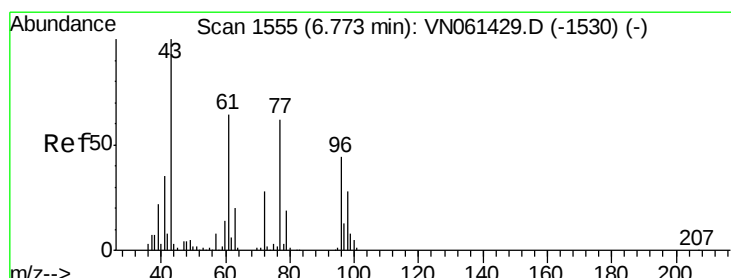
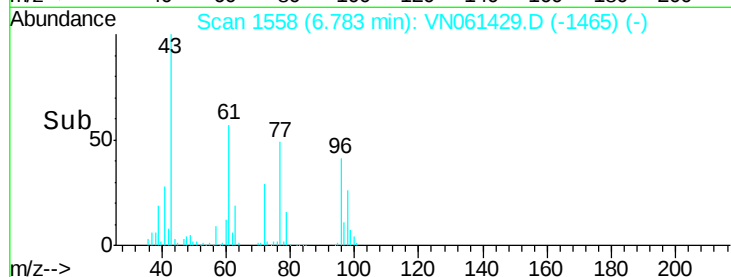
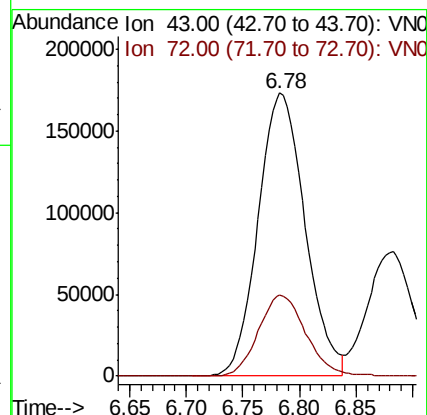
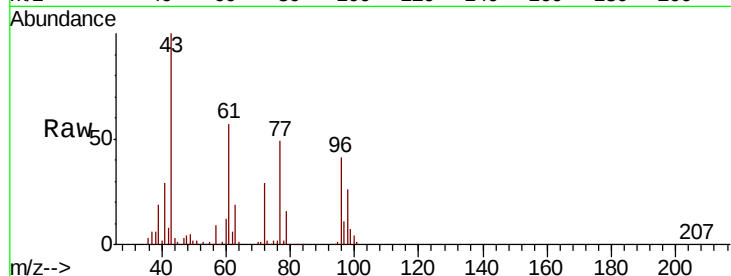




#25
2-Butanone
Concen: 264.363 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

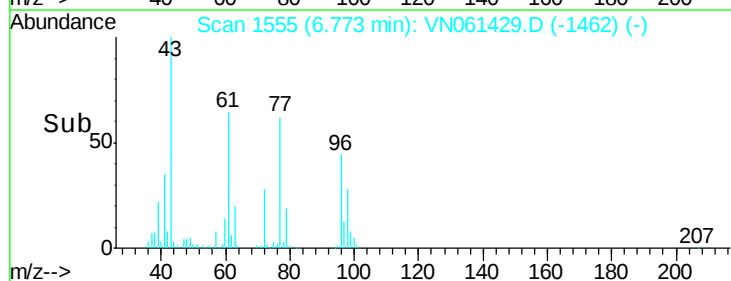
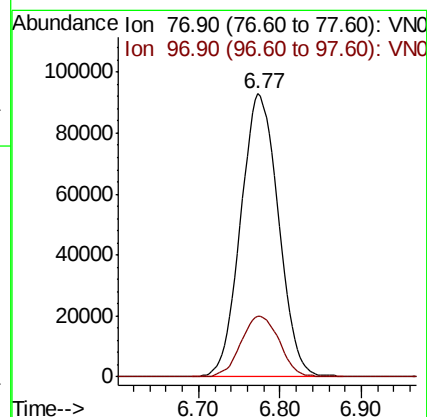
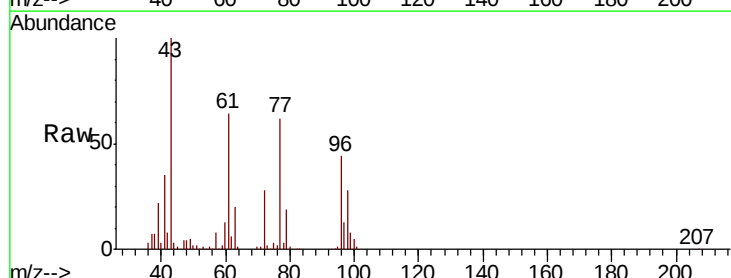
Instrument :
MSVOA_N
ClientSampled :

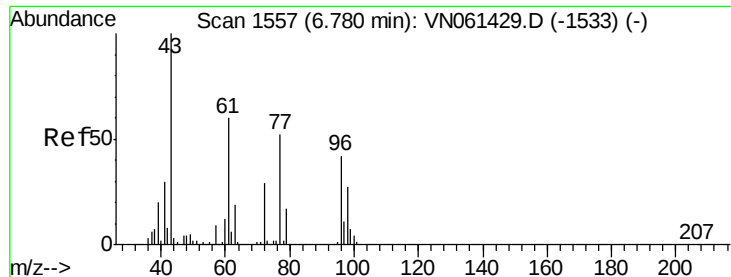
Tot Ion: 43 Resp: 496423
Ion Ratio Lower Upper
43 100
72 28.8 23.0 34.6



#26
2,2-Dichloropropane
Concen: 52.071 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

Tgt Ion: 77 Resp: 298125
Ion Ratio Lower Upper
77 100
97 21.9 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 49.229 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :
MSVOA_N
ClientSampled :

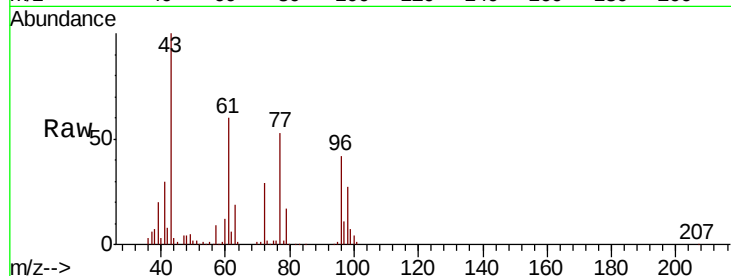
Tot Ion: 96 Resp: 205236

Ion Ratio Lower Upper

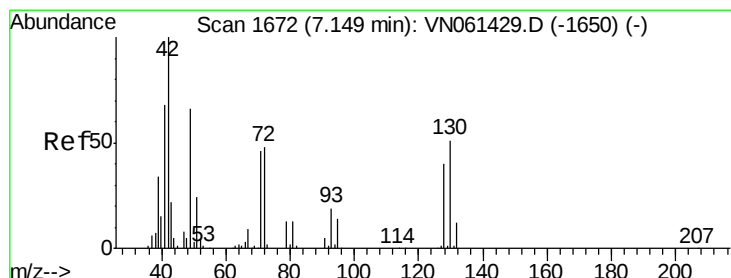
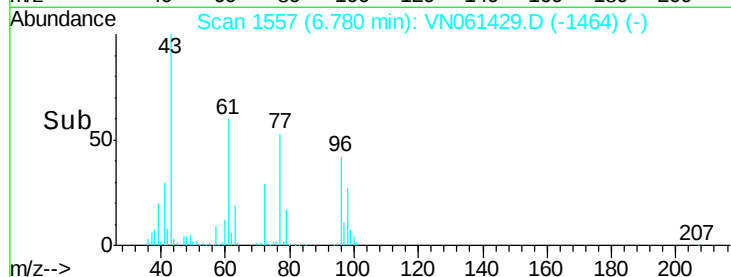
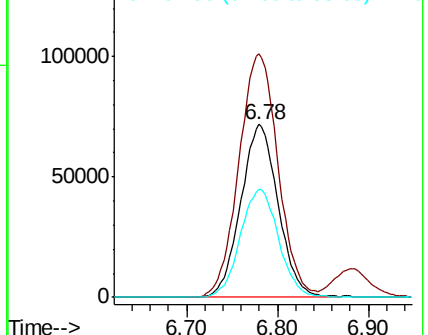
96 100

61 147.1 0.0 294.2

98 64.1 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: 50.648 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

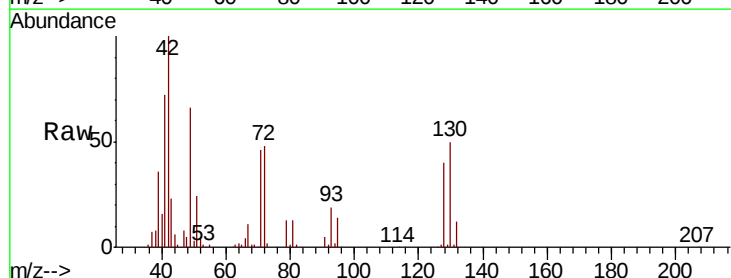
Tgt Ion: 49 Resp: 148698

Ion Ratio Lower Upper

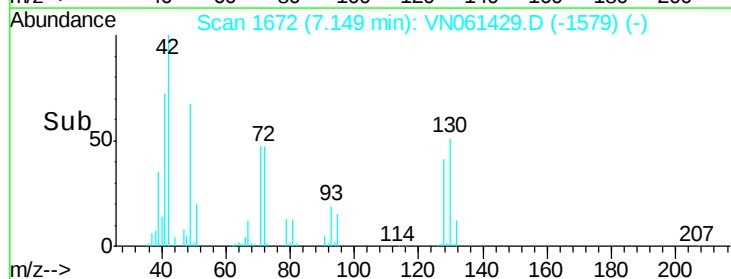
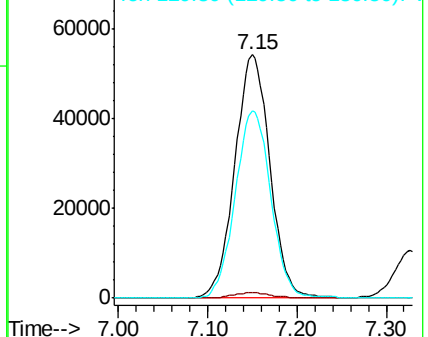
49 100

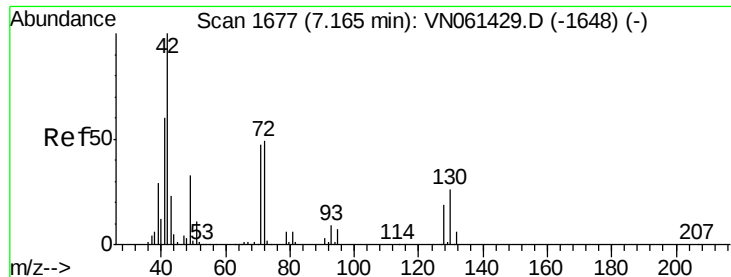
129 2.3 0.0 4.6

130 77.7 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

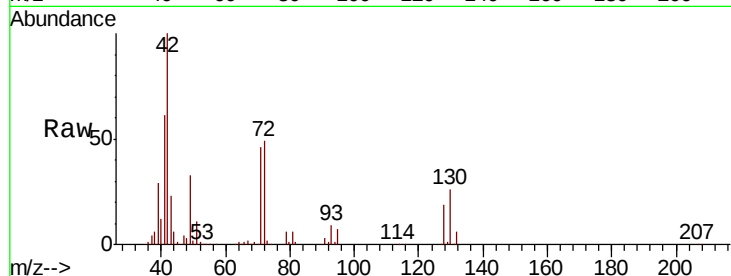




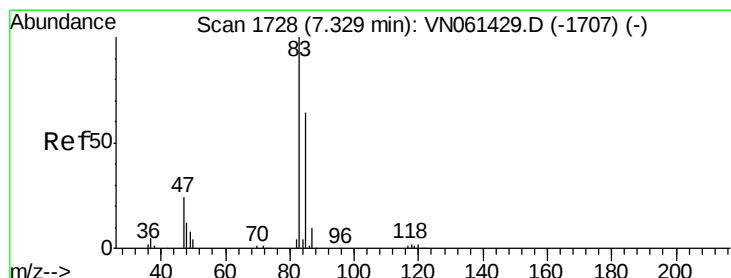
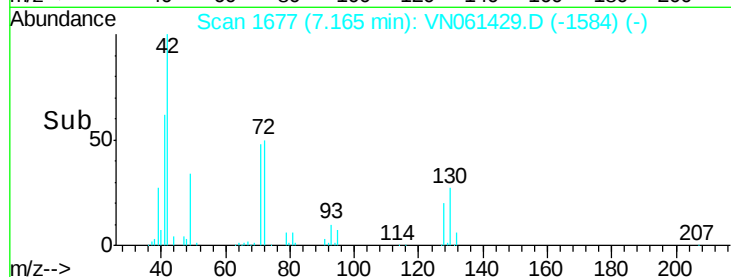
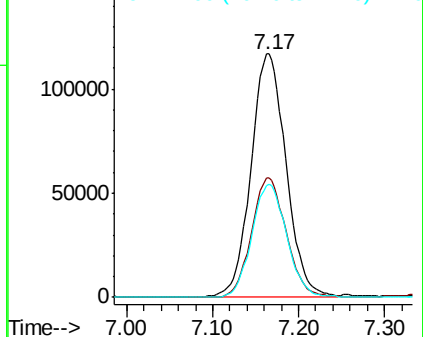
#29
Tetrahydrofuran
Concen: 259.848 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 331230
Ion Ratio Lower Upper
42 100
72 48.8 39.0 58.6
71 46.1 36.9 55.3

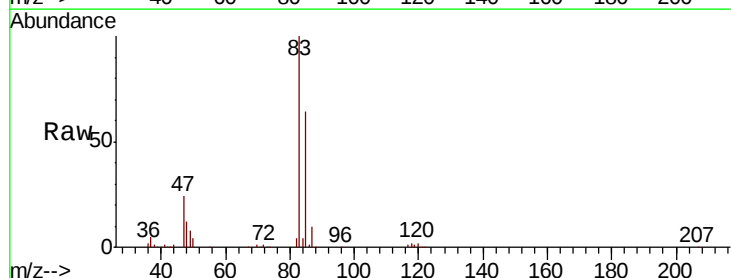


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

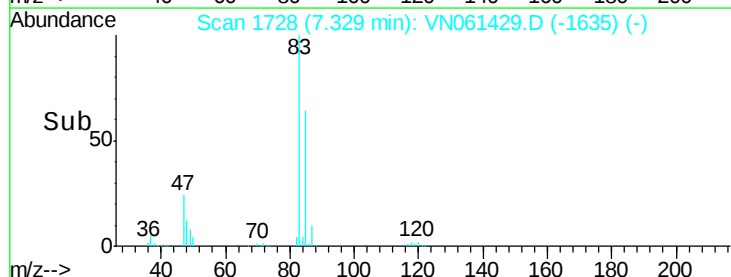
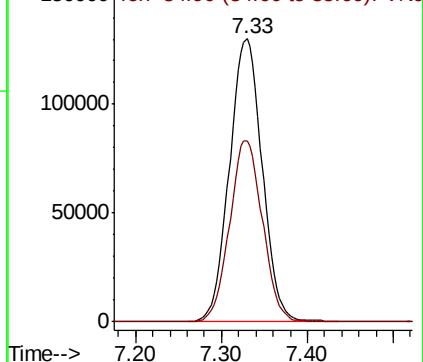


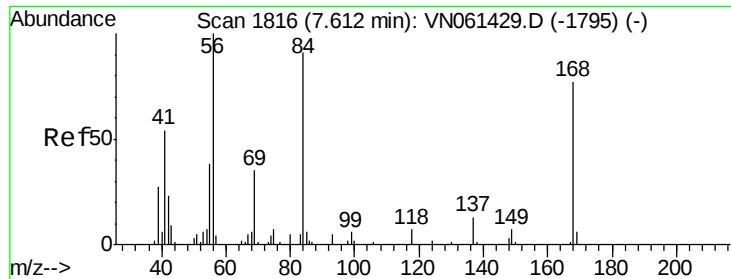
#30
Chloroform
Concen: 49.139 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

Tgt Ion: 83 Resp: 344836
Ion Ratio Lower Upper
83 100
85 63.7 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: 44.699 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :
MSVOA_N
ClientSampled :

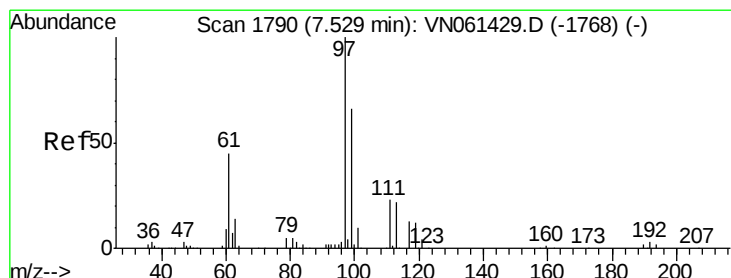
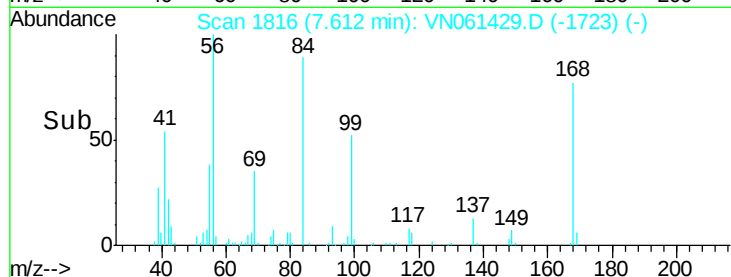
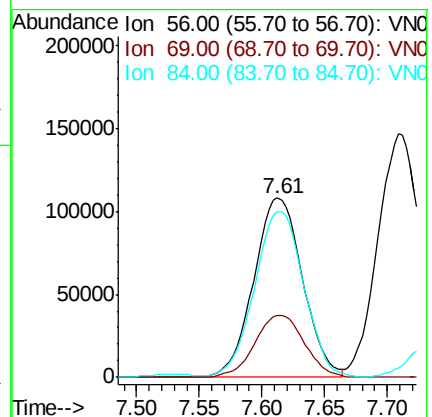
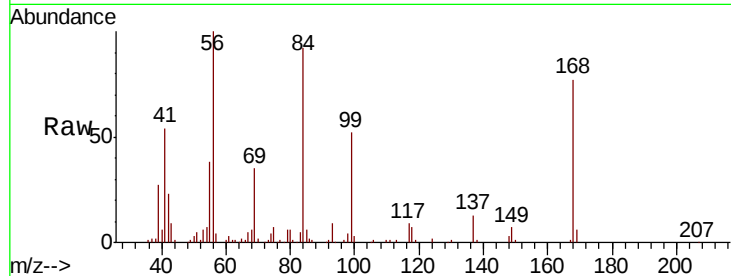
Tot Ion: 56 Resp: 293385

Ion Ratio Lower Upper

56 100

69 34.7 27.8 41.6

84 90.9 72.7 109.1



#32

1,1,1-Trichloroethane

Concen: 49.931 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

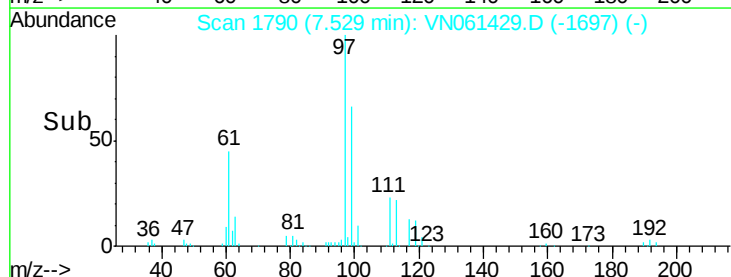
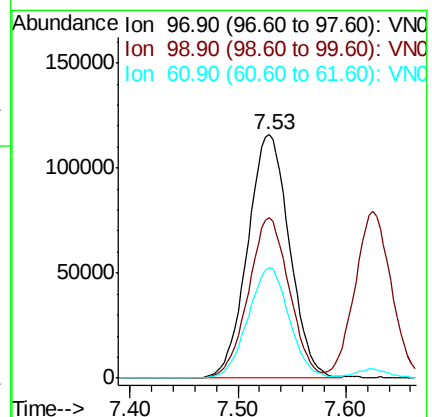
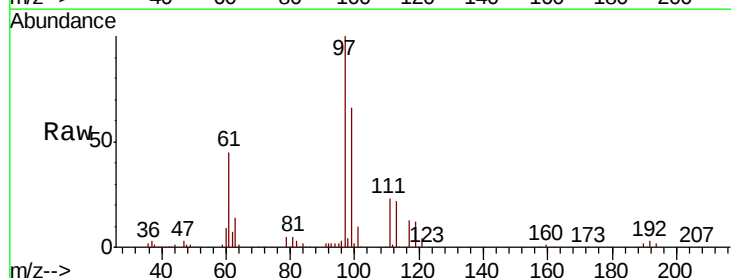
Tgt Ion: 97 Resp: 311886

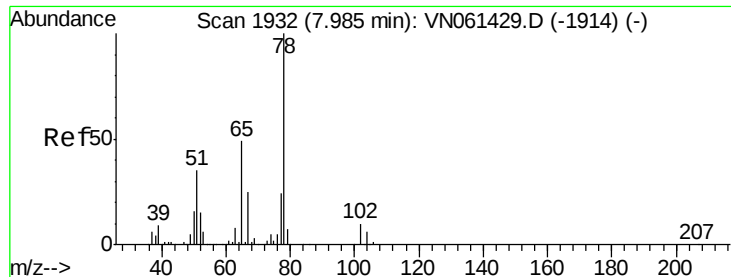
Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 44.7 35.8 53.6





#33

1,2-Dichloroethane-d4

Concen: 46.767 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

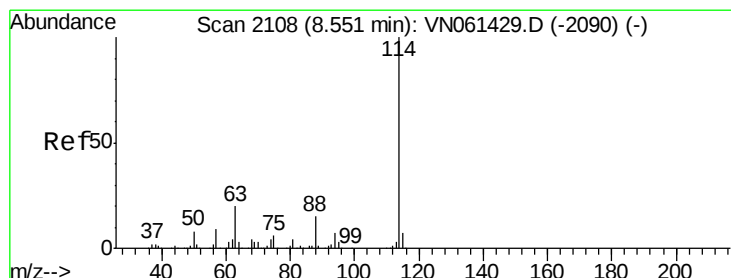
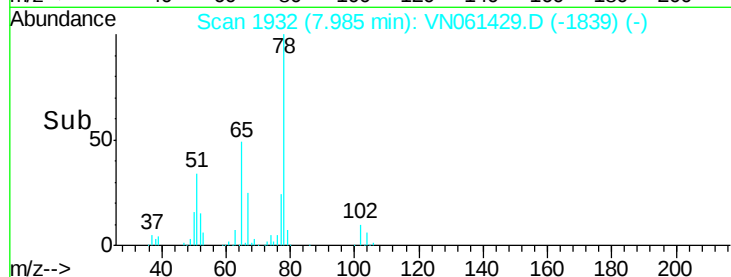
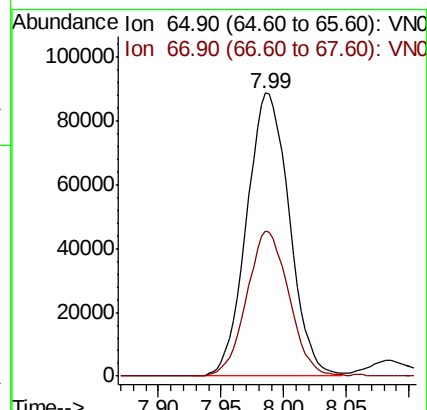
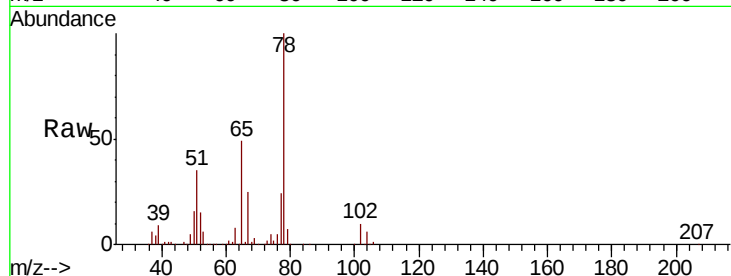
ClientSampleId :

Tot Ion: 65 Resp: 210170

Ion Ratio Lower Upper

65 100

67 50.7 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: VN061429.D

Acq: 18 May 2020 12:00

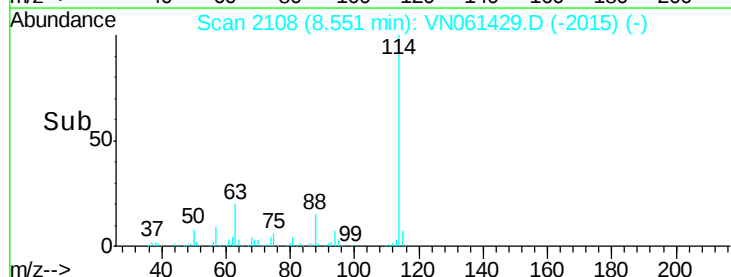
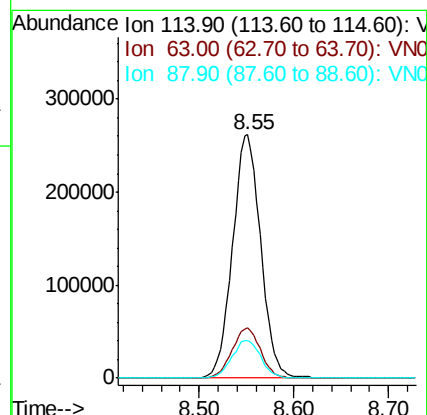
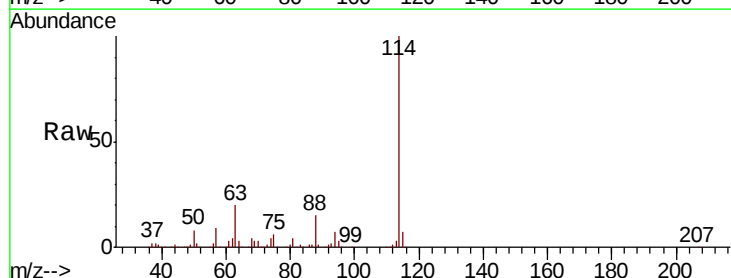
Tgt Ion: 114 Resp: 539945

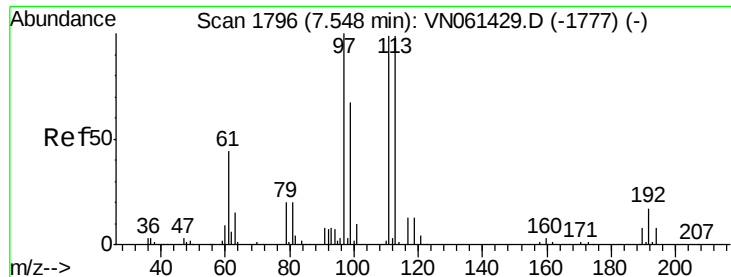
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 15.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.053 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :

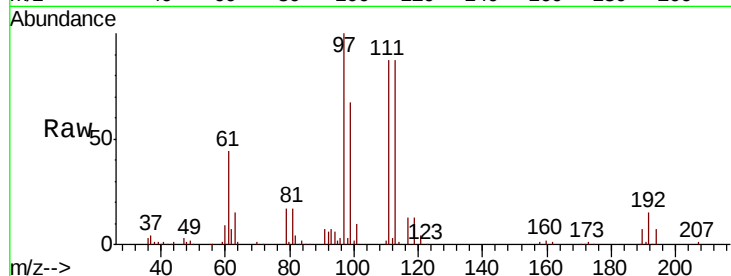
Tot Ion:113 Resp: 135789

Ion Ratio Lower Upper

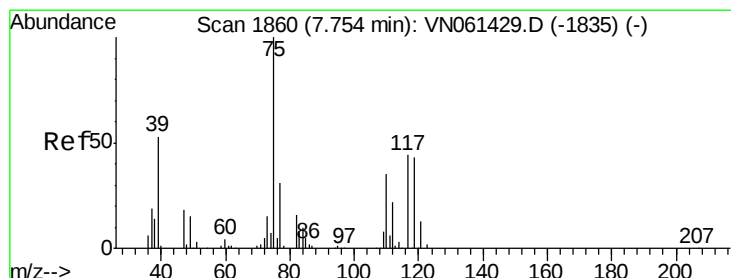
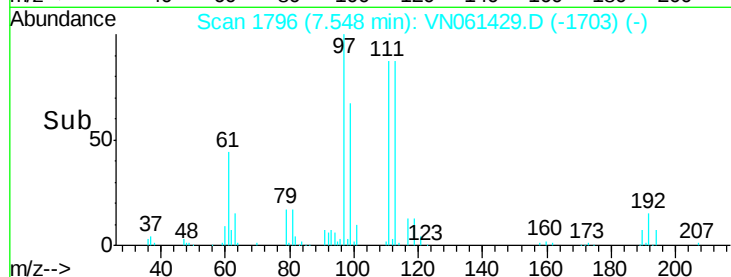
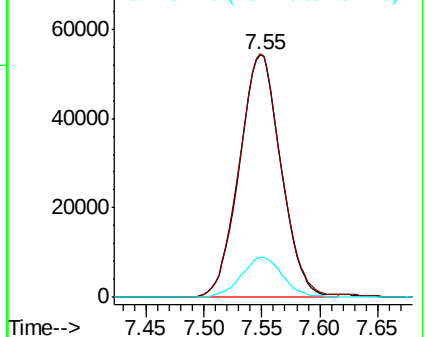
113 100

111 100.8 80.6 121.0

192 16.5 13.2 19.8



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



#36

1,1-Dichloropropene

Concen: 47.616 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

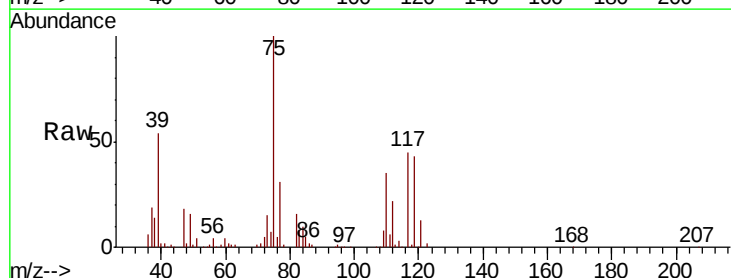
Tgt Ion: 75 Resp: 256501

Ion Ratio Lower Upper

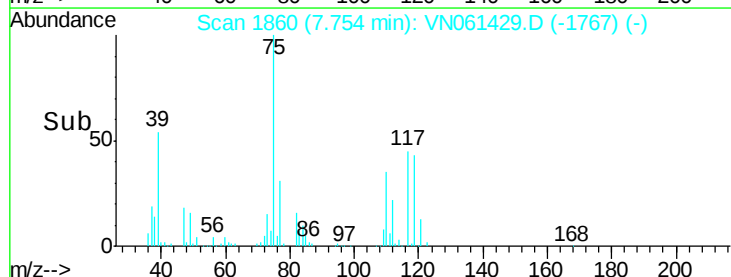
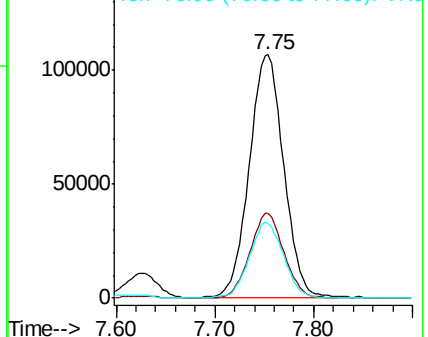
75 100

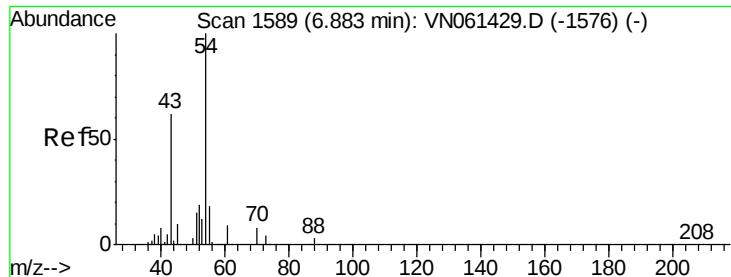
110 34.6 17.3 51.9

77 31.1 24.9 37.3



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

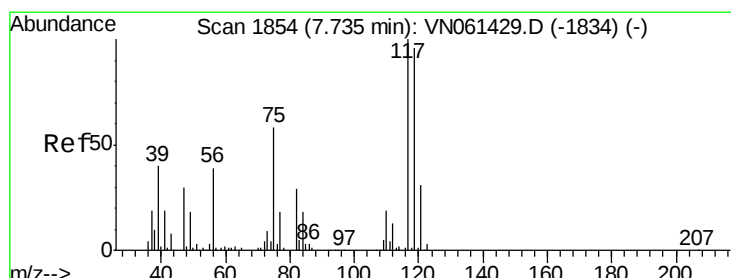
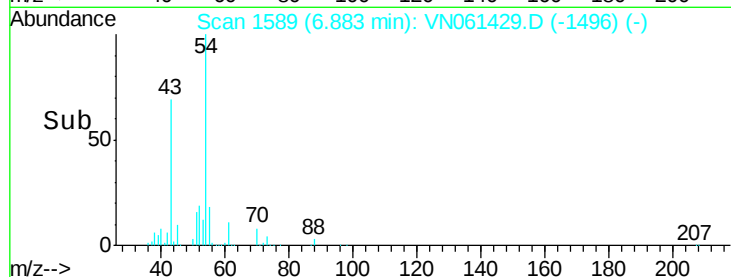
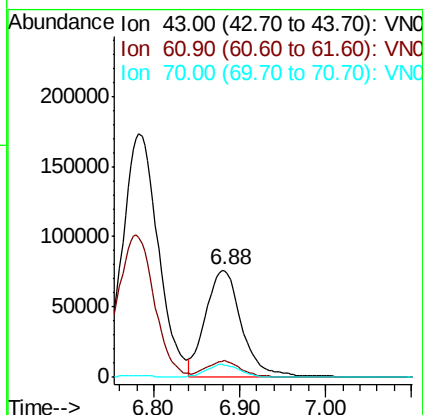
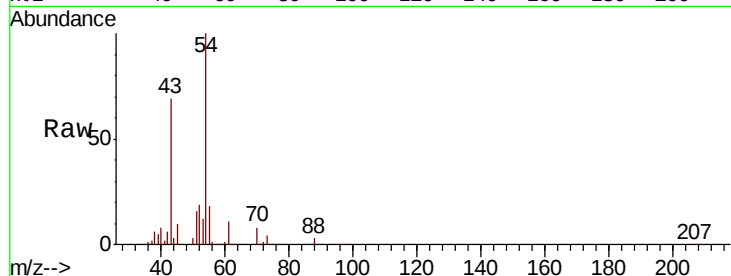




#37
Ethyl Acetate
Concen: 48.904 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

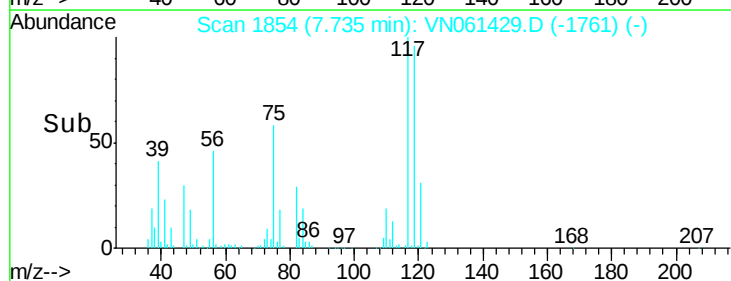
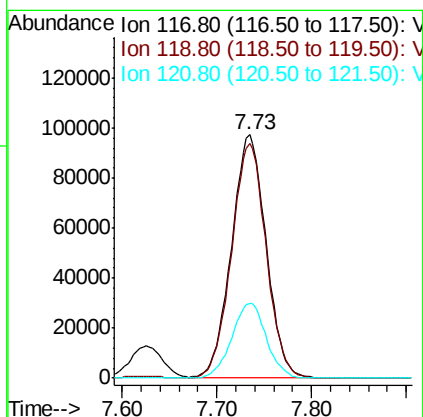
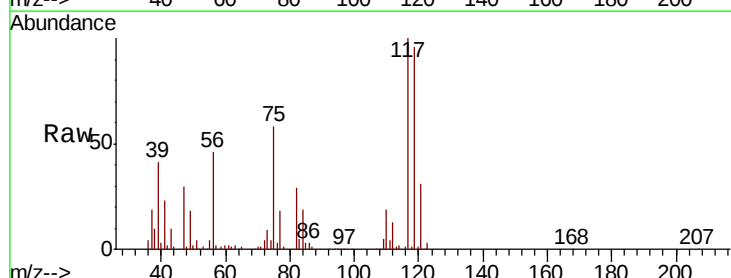
Instrument :
MSVOA_N
ClientSampled :

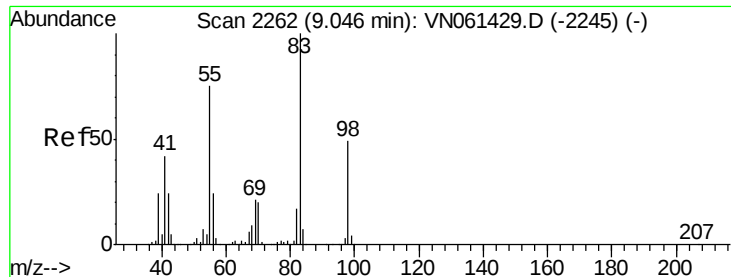
Tot Ion: 43 Resp: 219609
Ion Ratio Lower Upper
43 100
61 14.6 11.7 17.5
70 11.5 9.2 13.8



#38
Carbon Tetrachloride
Concen: 53.272 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

Tgt Ion: 117 Resp: 246010
Ion Ratio Lower Upper
117 100
119 96.3 77.0 115.6
121 30.9 24.7 37.1

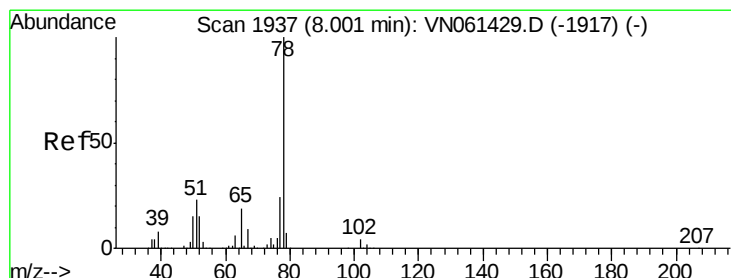
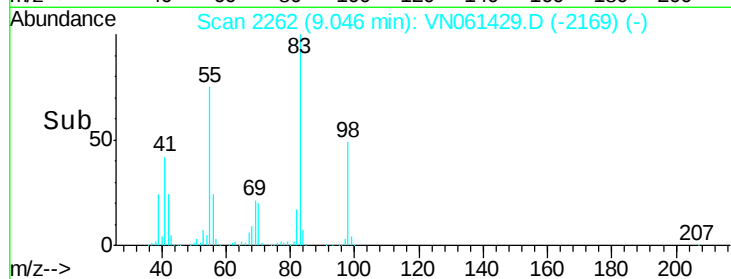
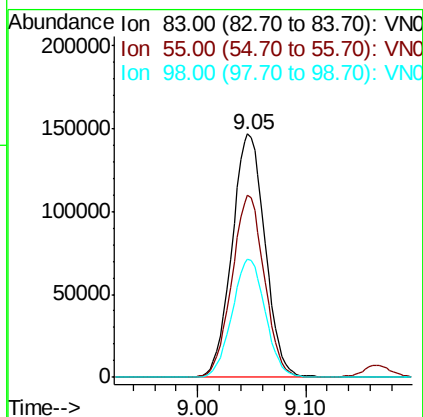
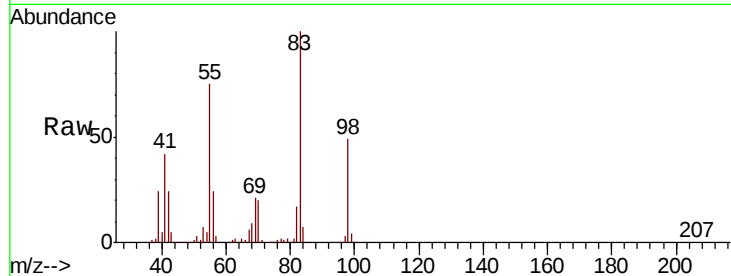




#39
Methvlcvclohexane
Concen: 48.898 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

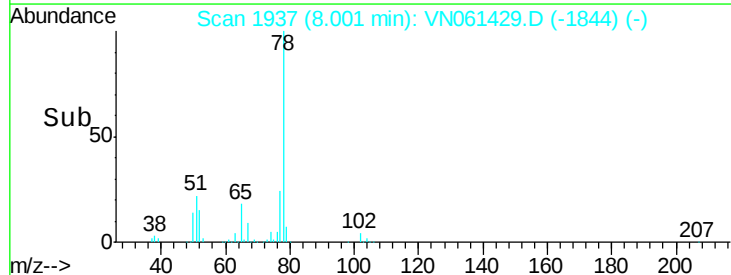
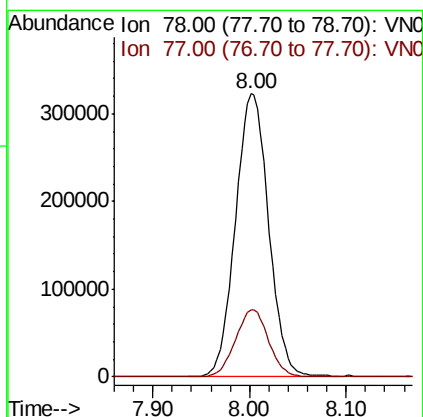
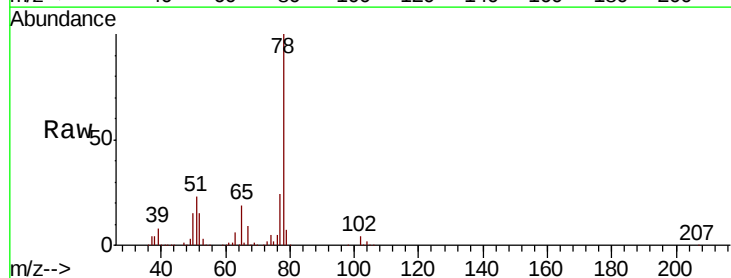
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 313492
Ion Ratio Lower Upper
83 100
55 74.6 59.7 89.5
98 48.6 38.9 58.3



#40
Benzene
Concen: 48.534 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

Tgt Ion: 78 Resp: 769489
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7

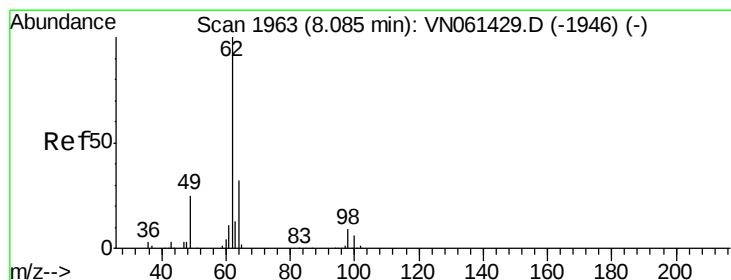
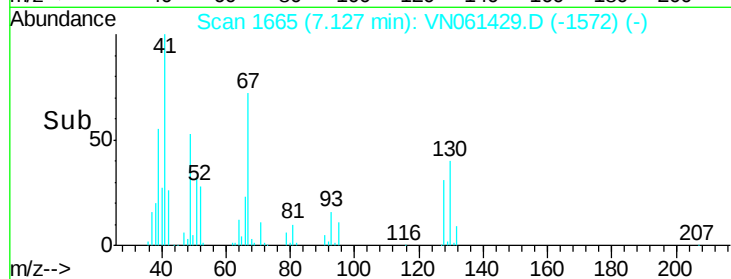
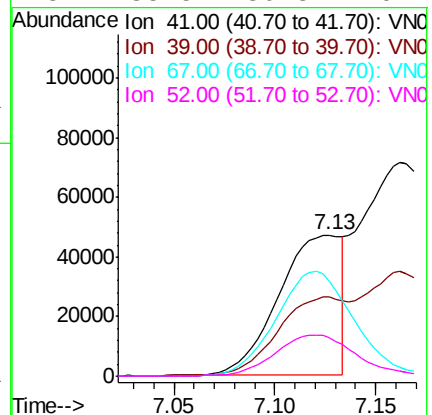
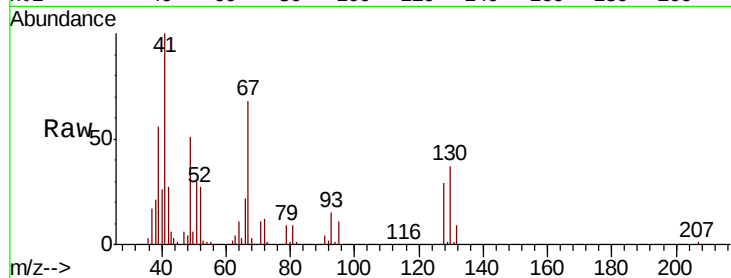




#41
Methacrylonitrile
Concen: 48.967 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

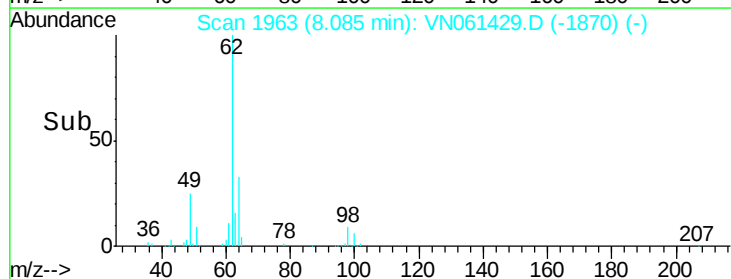
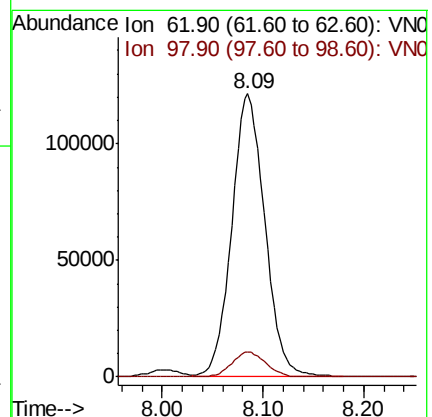
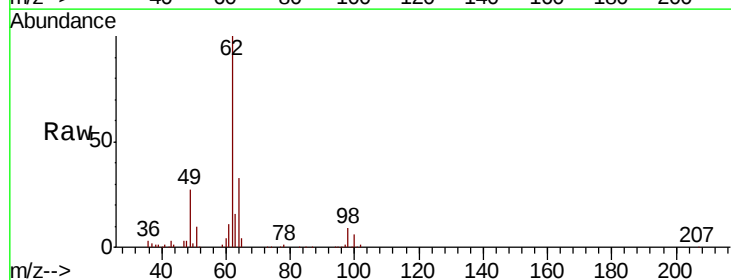
Instrument :
MSVOA_N
ClientSampleId :

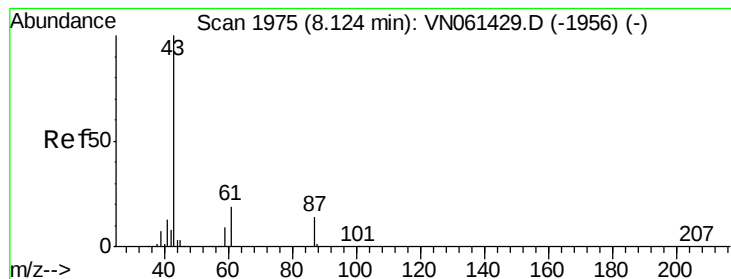
Tot Ion: 41 Resp: 102039
Ion Ratio Lower Upper
41 100
39 60.4 48.3 72.5
67 92.8 74.2 111.4
52 38.5 30.8 46.2



#42
1,2-Dichloroethane
Concen: 48.329 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

Tgt Ion: 62 Resp: 275425
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.4





#43

Isopropyl Acetate

Concen: 45.822 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

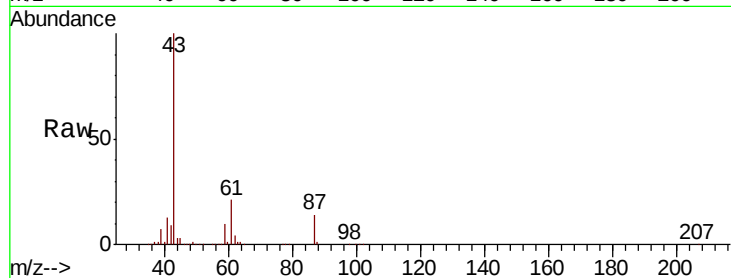
Tot Ion: 43 Resp: 395654

Ion Ratio Lower Upper

43 100

61 28.7 23.0 34.4

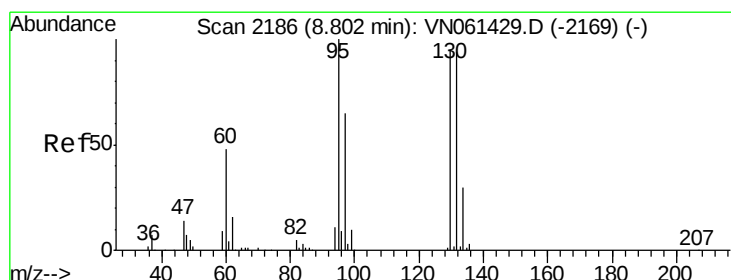
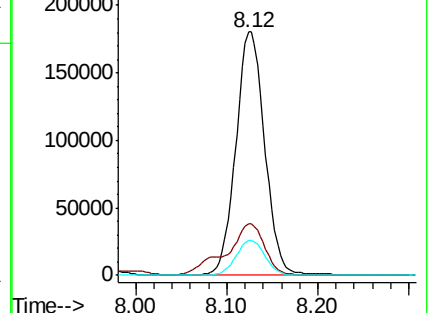
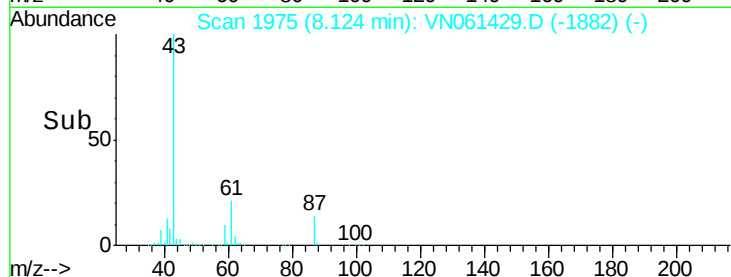
87 14.5 11.6 17.4



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: 49.425 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061429.D

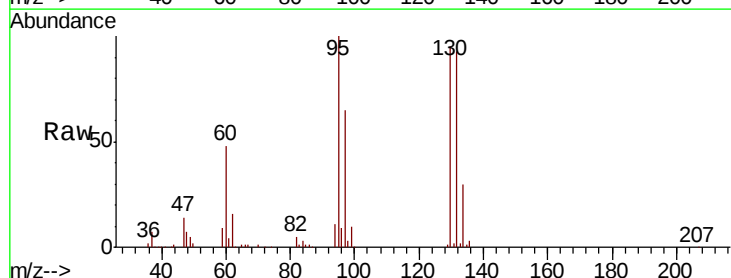
Acq: 18 May 2020 12:00

Tgt Ion: 130 Resp: 202485

Ion Ratio Lower Upper

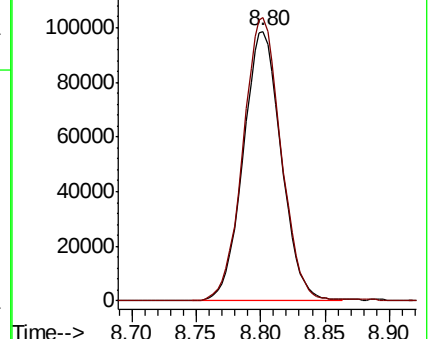
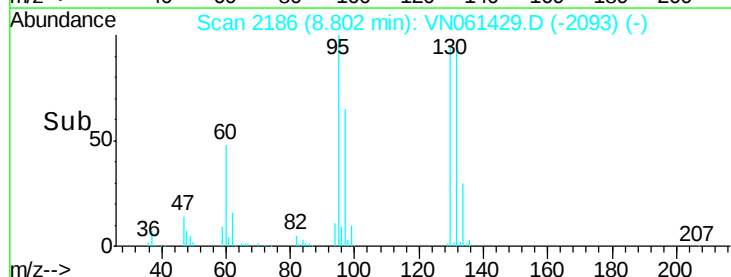
130 100

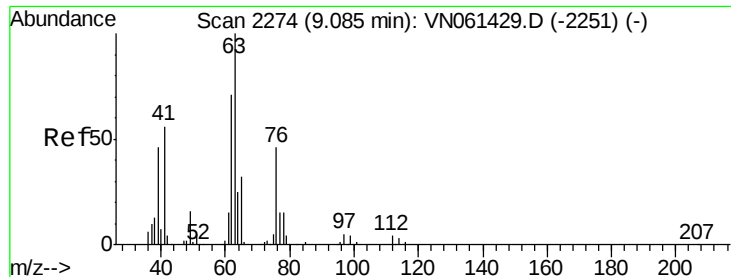
95 104.9 0.0 209.8



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: 48.568 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

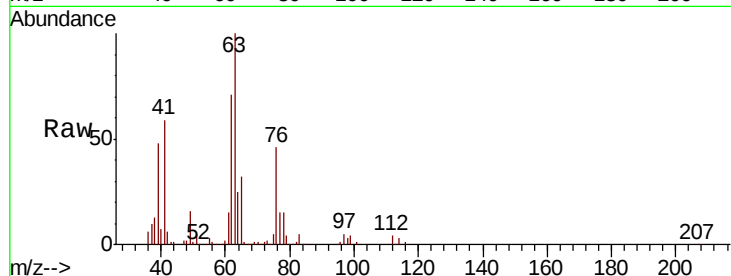
ClientSampled :

Tot Ion: 63 Resp: 193973

Ion Ratio Lower Upper

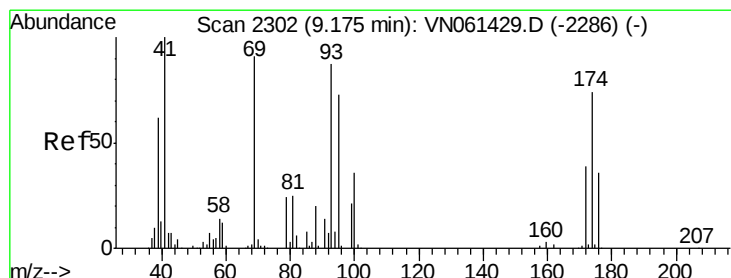
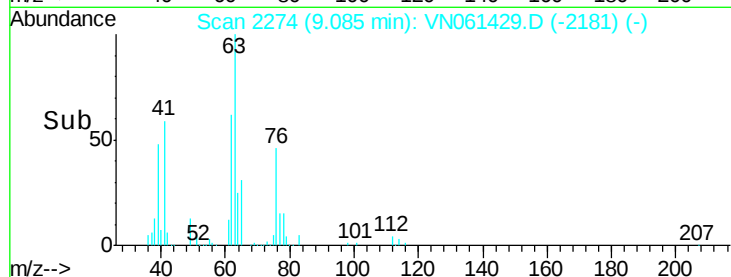
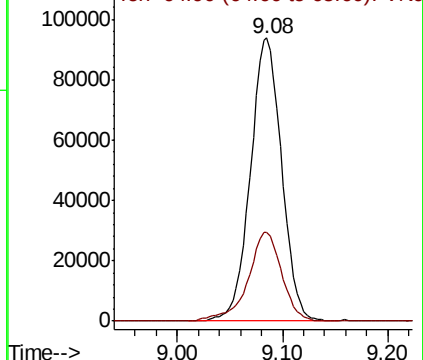
63 100

65 31.5 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 50.076 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

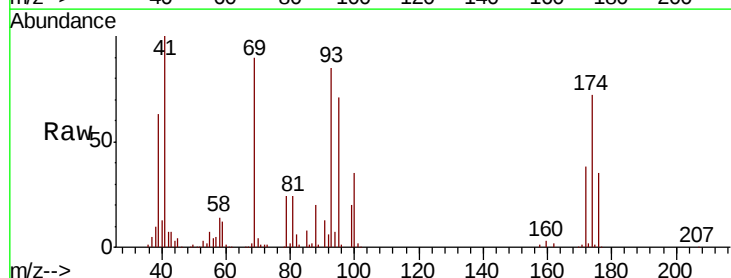
Tgt Ion: 93 Resp: 134488

Ion Ratio Lower Upper

93 100

95 82.0 65.6 98.4

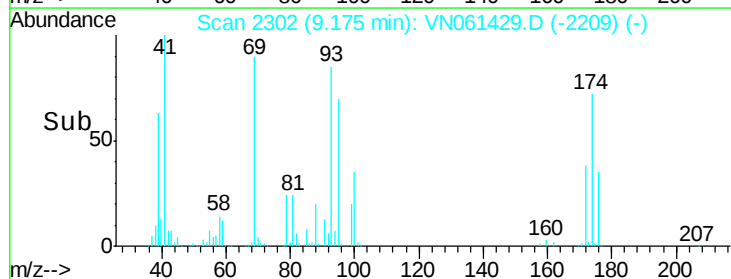
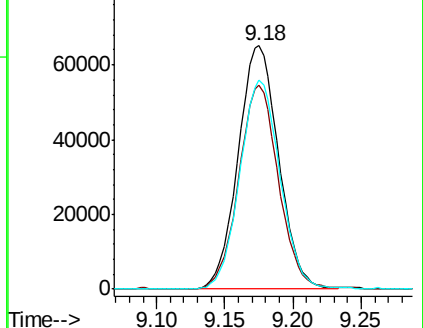
174 85.0 68.0 102.0

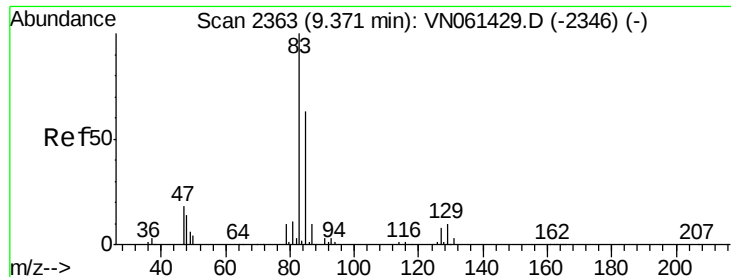


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.788 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

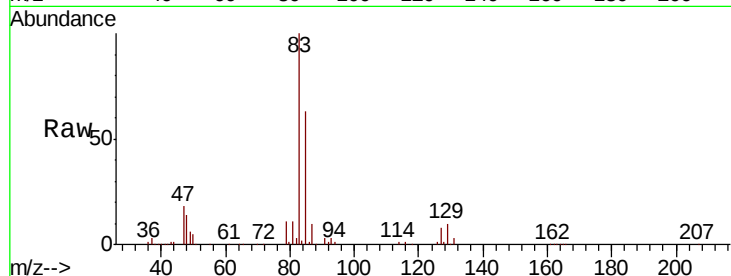
Tot Ion: 83 Resp: 290292

Ion Ratio Lower Upper

83 100

85 63.3 50.6 76.0

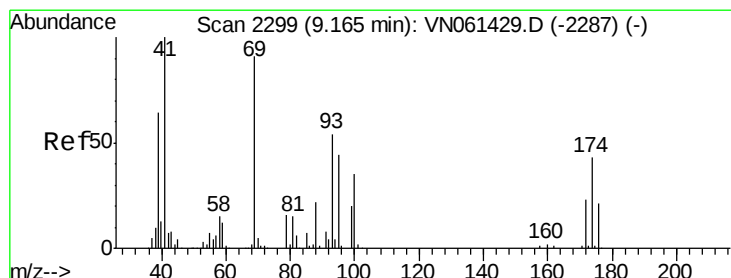
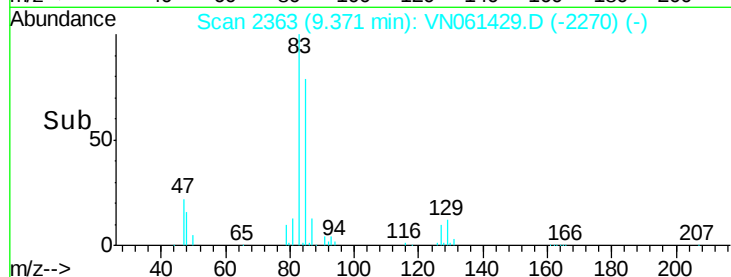
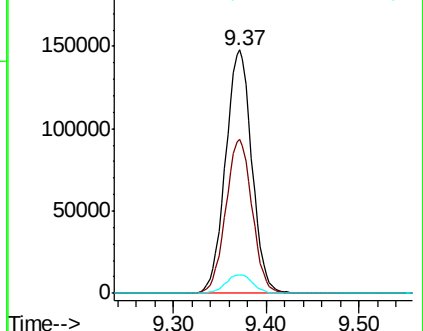
127 7.6 6.1 9.1



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: 46.251 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

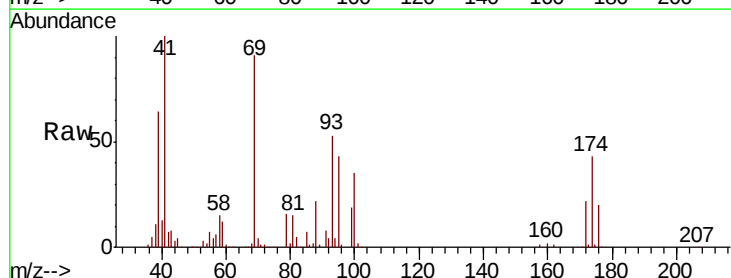
Tgt Ion: 41 Resp: 180717

Ion Ratio Lower Upper

41 100

69 94.1 75.3 112.9

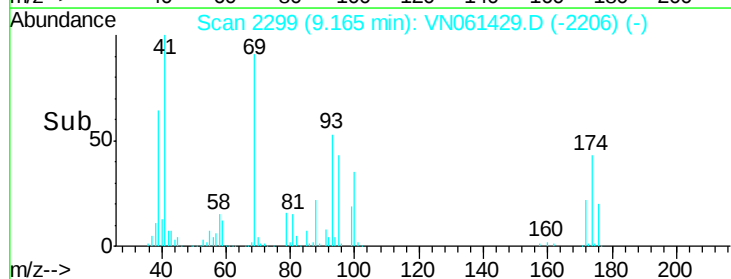
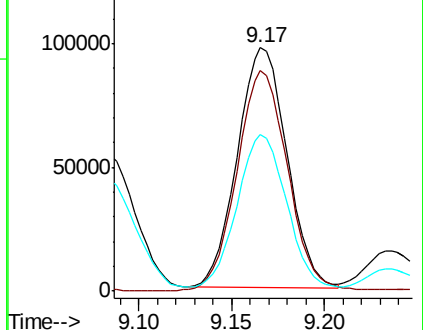
39 65.8 52.6 79.0

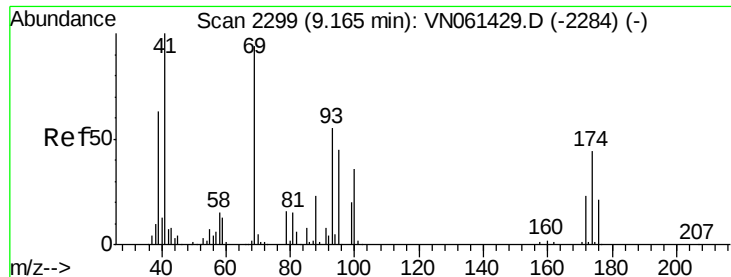


Abundance Ion 41.00 (40.70 to 41.70): VN061429.D (-2287) (-)

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

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

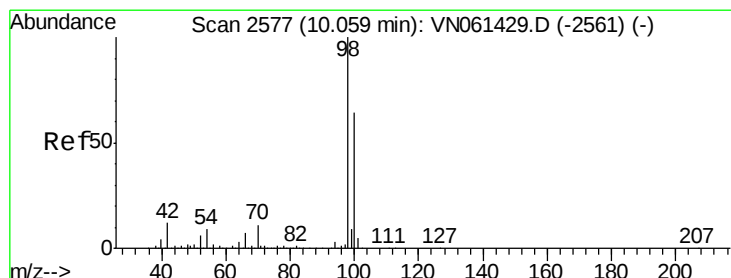
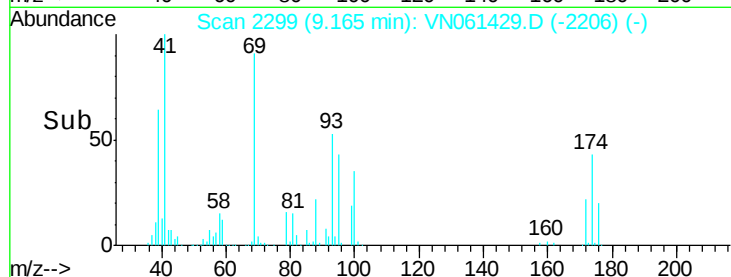
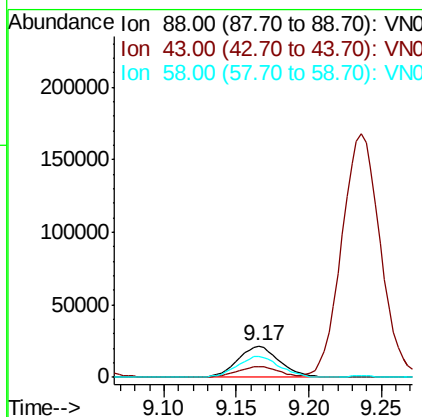
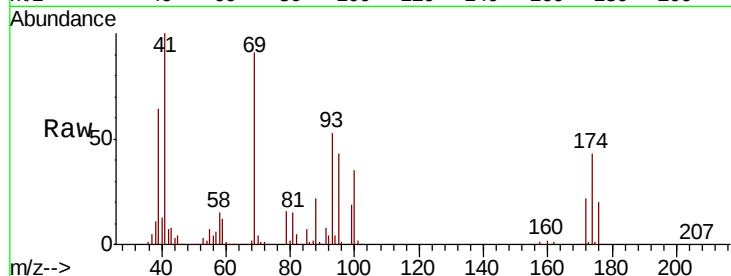




#49
 1,4-Dioxane
 Concen: 1706.574 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN061429.D
 Acq: 18 May 2020 12:00

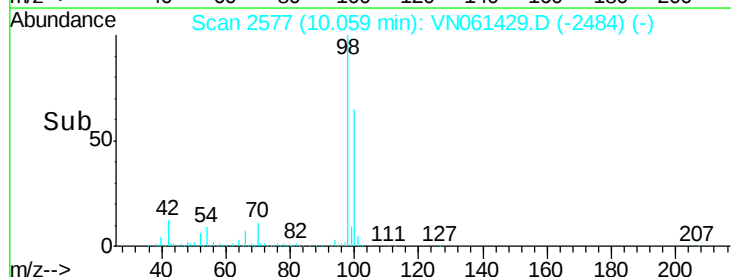
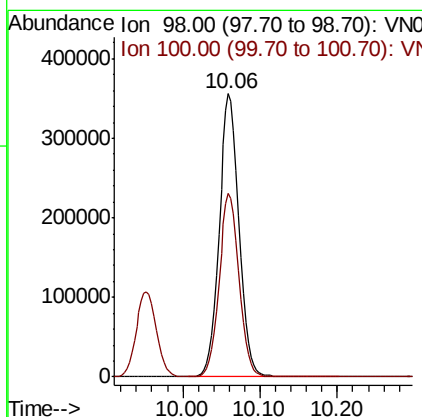
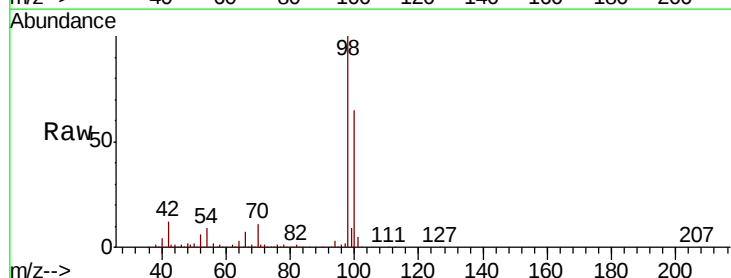
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 43251
 Ion Ratio Lower Upper
 88 100
 43 32.9 26.3 39.5
 58 67.6 54.1 81.1



#50
 Toluene-d8
 Concen: 47.340 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN061429.D
 Acq: 18 May 2020 12:00

Tgt Ion: 98 Resp: 634318
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 241.471 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

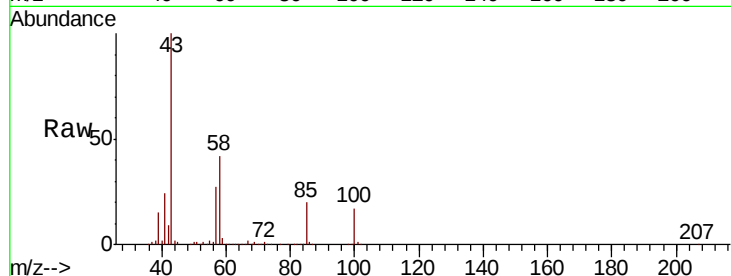
ClientSampleId :

Tot Ion: 43 Resp: 1122728

Ion Ratio Lower Upper

43 100

58 41.8 33.4 50.2



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-2524) (-)

Ion 58.00 (57.70 to 58.70): VN061429.D (-2524) (-)

9.95

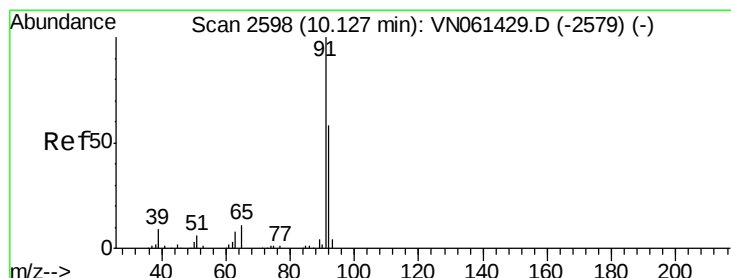
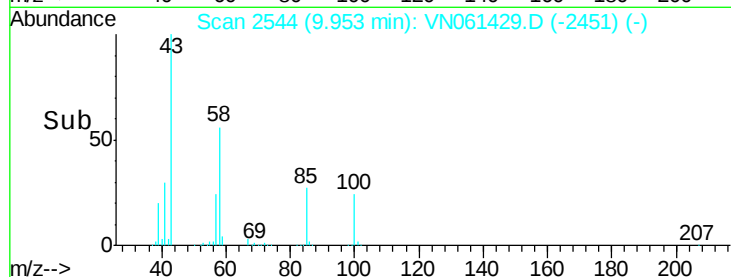
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.930 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN061429.D

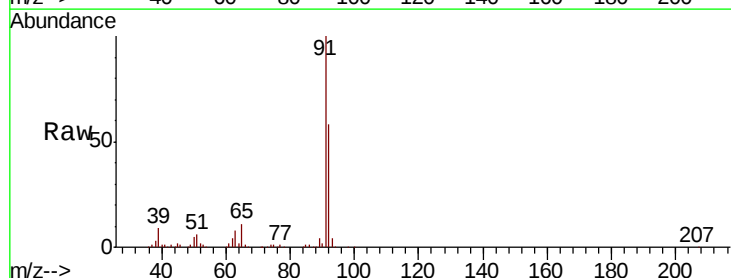
Acq: 18 May 2020 12:00

Tgt Ion: 92 Resp: 502491

Ion Ratio Lower Upper

92 100

91 172.5 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN061429.D (-2579) (-)

Ion 91.00 (90.70 to 91.70): VN061429.D (-2579) (-)

10.13

500000

400000

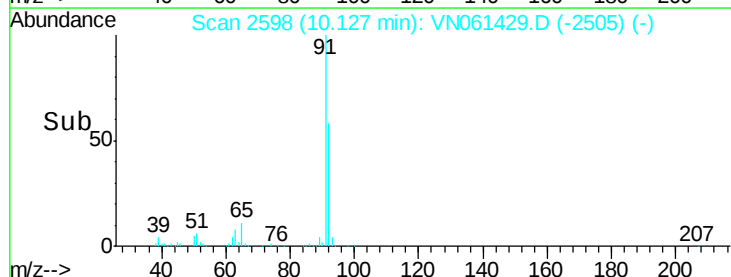
300000

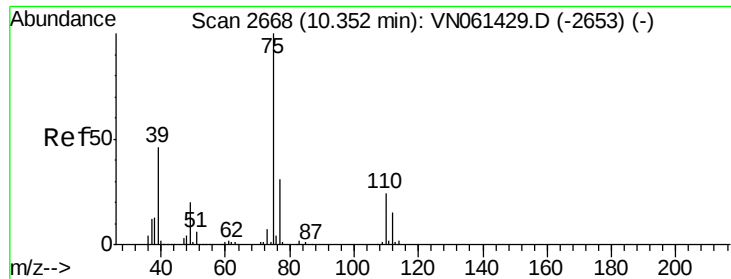
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.662 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

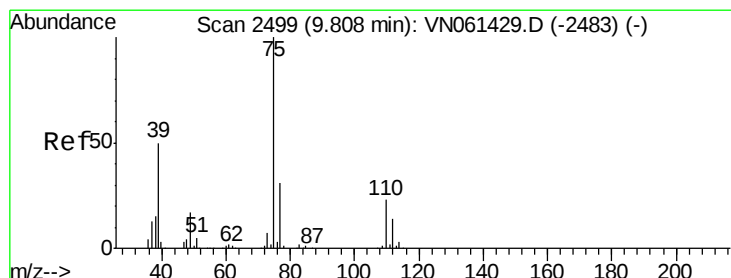
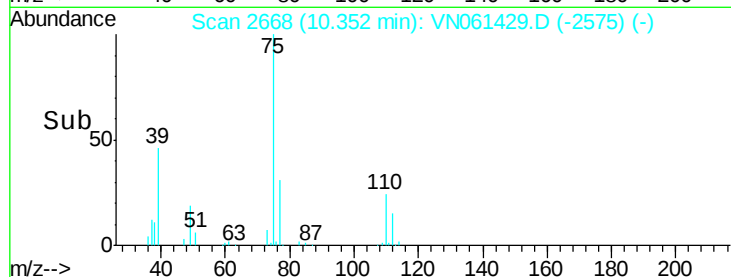
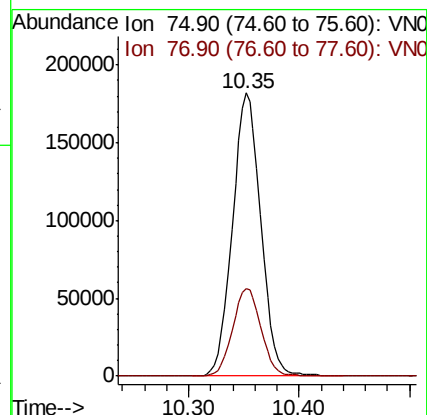
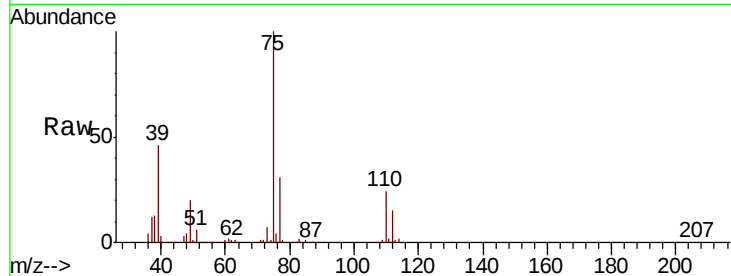
ClientSampled :

Tot Ion: 75 Resp: 323028

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 49.333 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

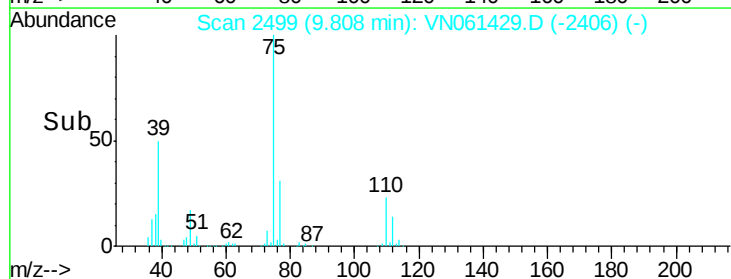
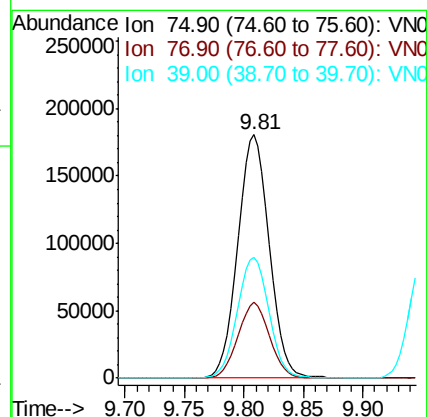
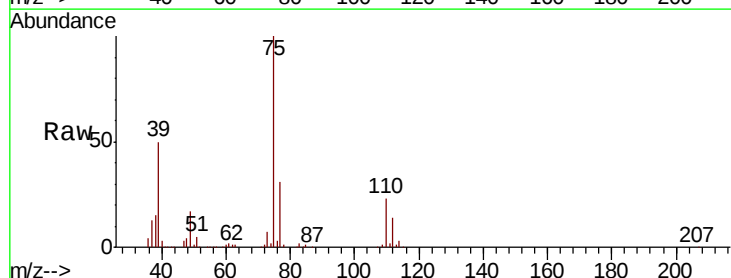
Tgt Ion: 75 Resp: 331768

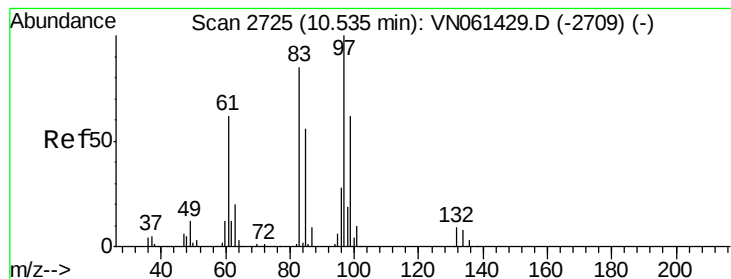
Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 49.7 39.8 59.6





#55

1,1,2-Trichloroethane

Concen: 51.246 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 191882

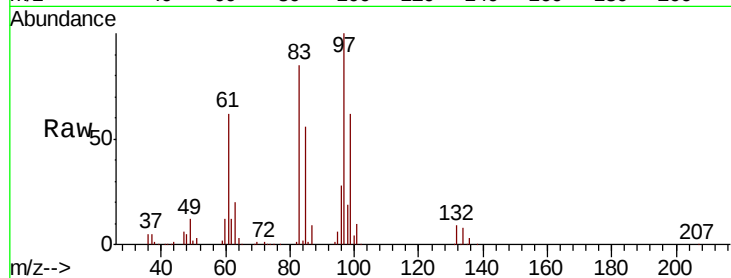
Ion Ratio Lower Upper

97 100

83 85.3 68.2 102.4

85 55.8 44.6 67.0

99 61.9 49.5 74.3

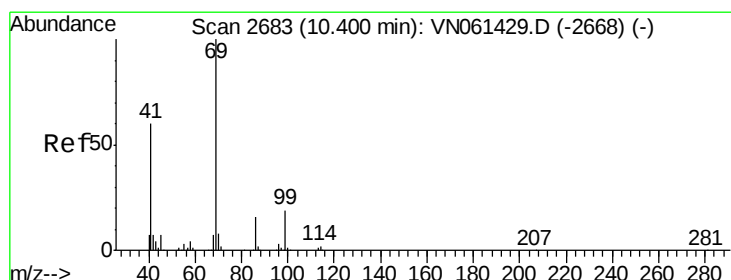
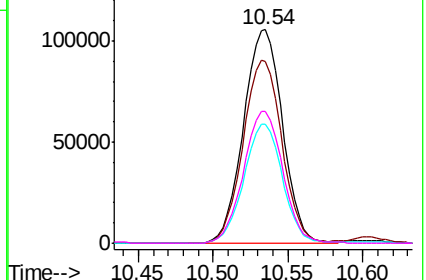
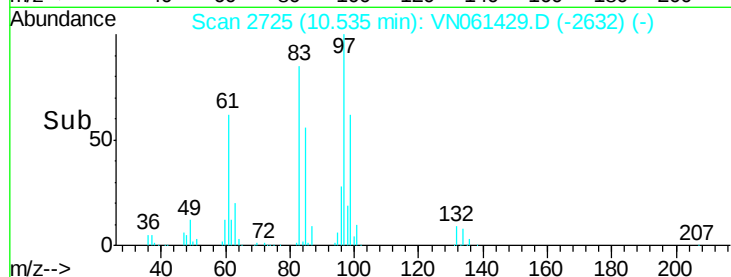


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 49.481 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

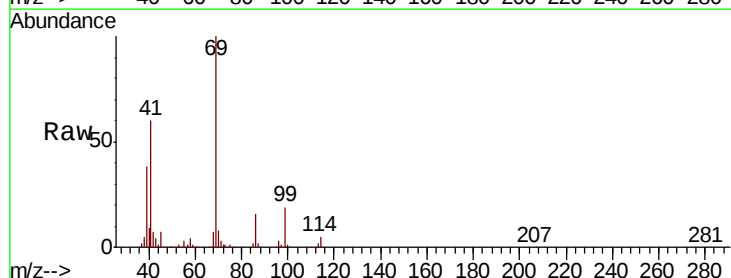
Tgt Ion: 69 Resp: 302934

Ion Ratio Lower Upper

69 100

41 60.4 48.3 72.5

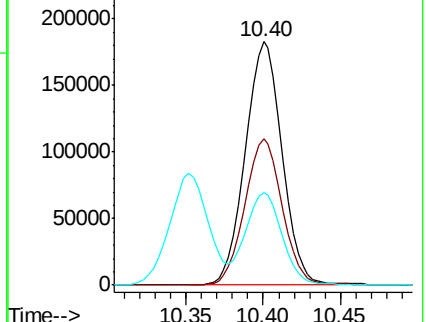
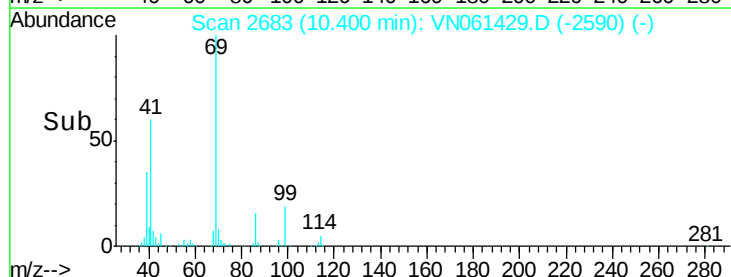
39 37.7 30.2 45.2

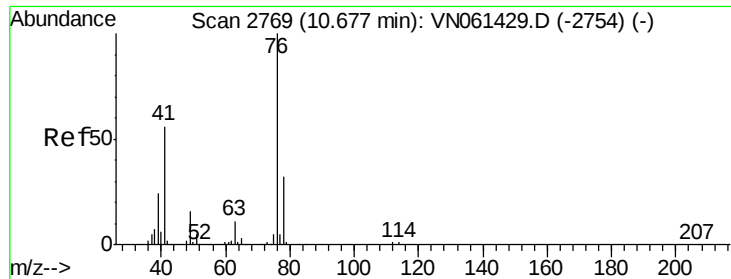


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 50.566 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

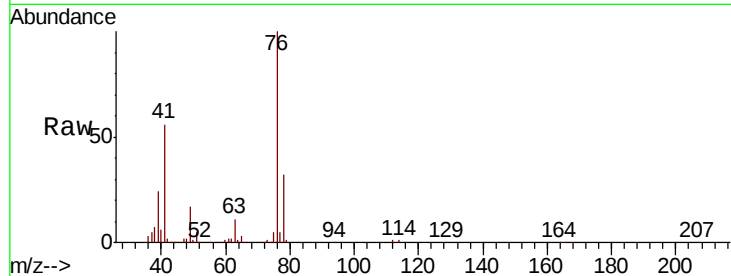
ClientSampled :

Tot Ion: 76 Resp: 329880

Ion Ratio Lower Upper

76 100

78 32.5 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN061429.D (-2754) (-)

Ion 77.90 (77.60 to 78.60): VN061429.D (-2754) (-)

10.68

200000

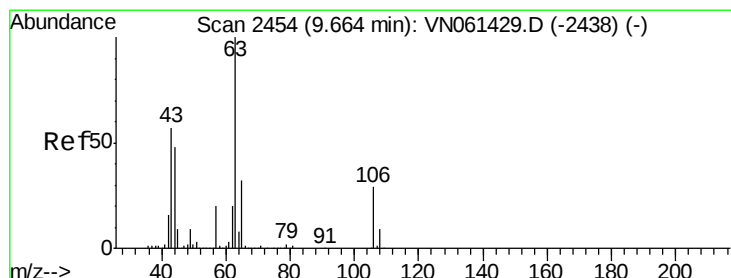
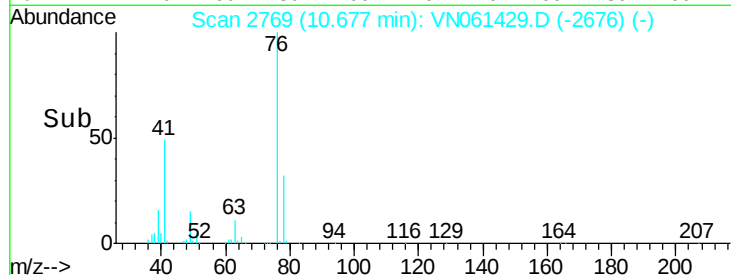
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 247.940 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN061429.D

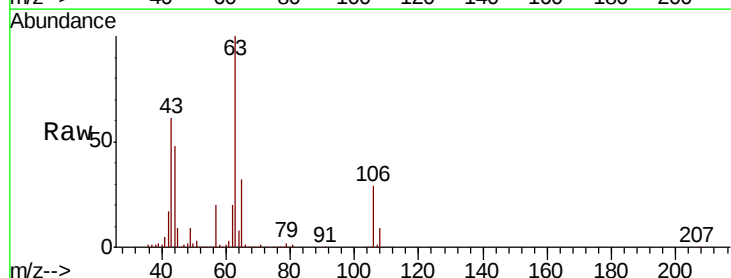
Acq: 18 May 2020 12:00

Tgt Ion: 63 Resp: 641143

Ion Ratio Lower Upper

63 100

106 28.4 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN061429.D (-2438) (-)

Ion 105.90 (105.60 to 106.60): VN061429.D (-2438) (-)

9.66

400000

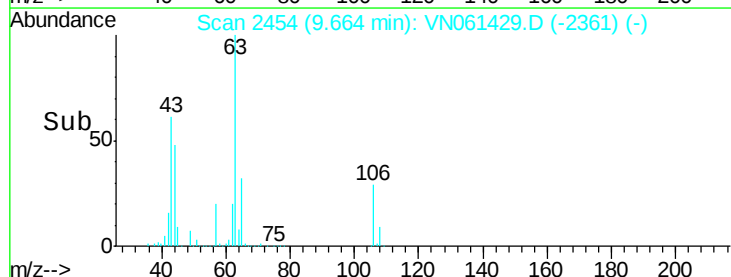
300000

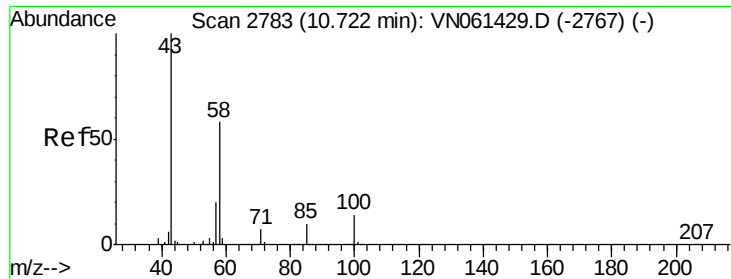
200000

100000

0

Time-->

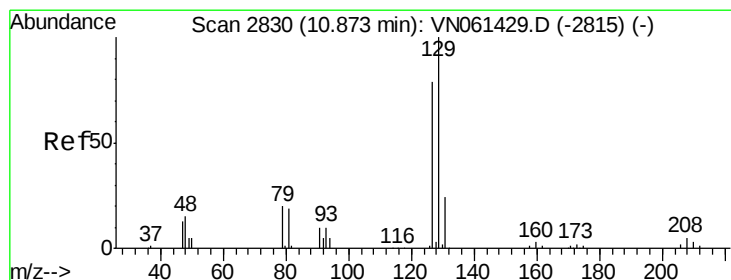
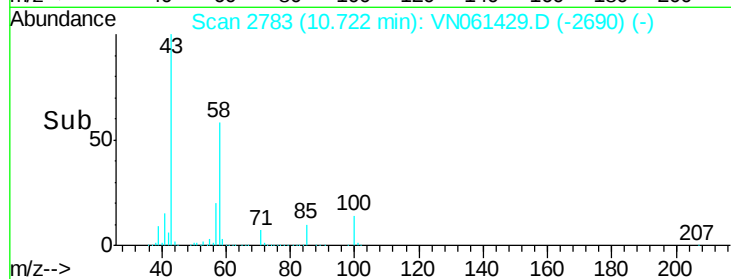
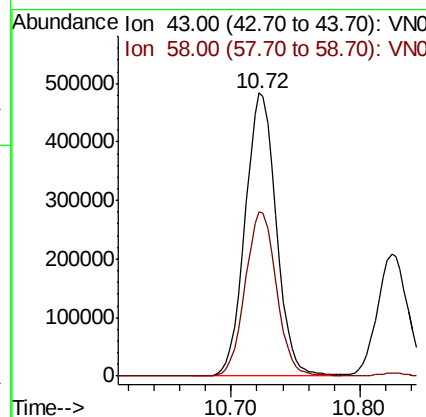
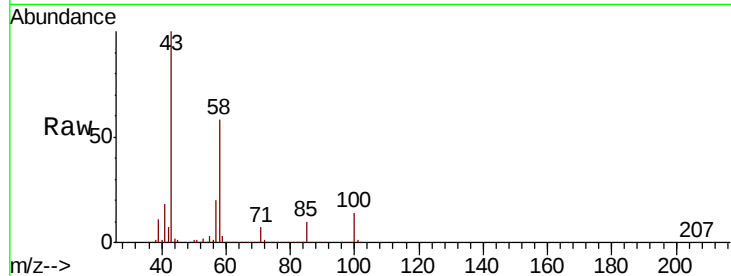




#59
2-Hexanone
Concen: 254.916 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

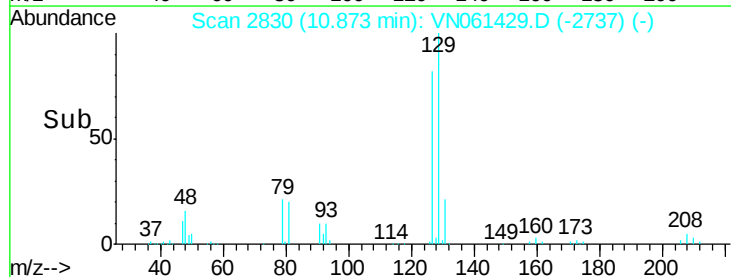
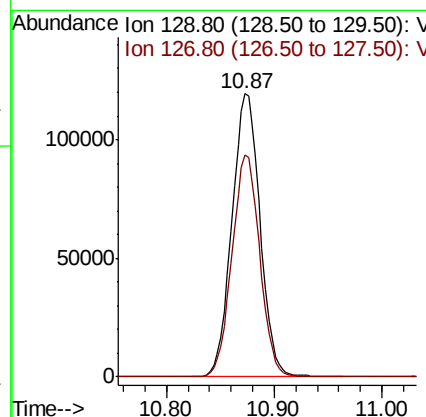
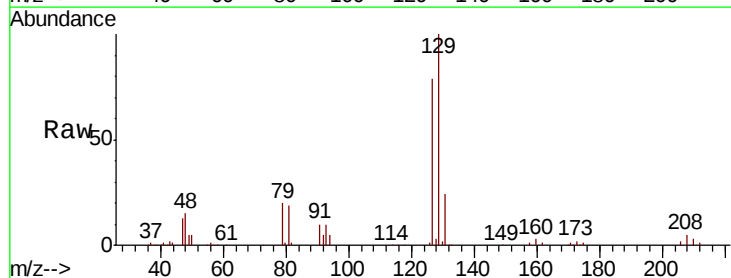
Instrument :
MSVOA_N
ClientSampled :

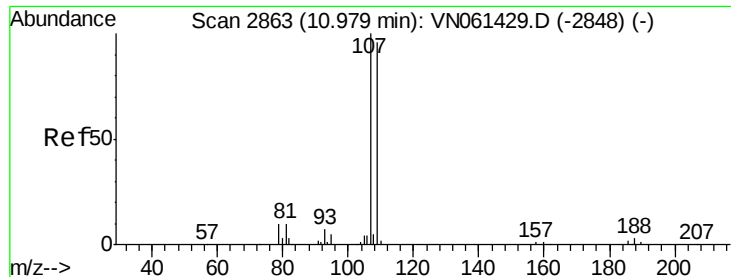
Tot Ion: 43 Resp: 811930
Ion Ratio Lower Upper
43 100
58 58.4 29.2 87.6



#60
Dibromochloromethane
Concen: 52.204 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

Tgt Ion: 129 Resp: 217320
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.3





#61

1,2-Dibromoethane

Concen: 51.185 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

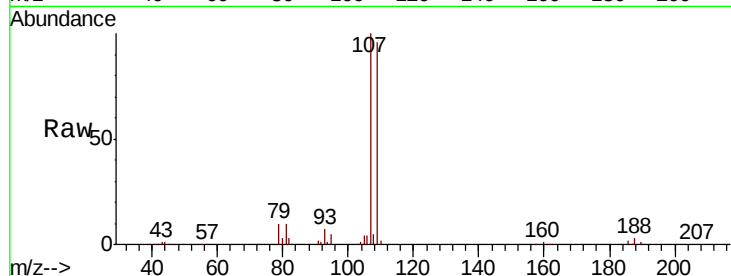
ClientSampleId :

Tot Ion:107 Resp: 201587

Ion Ratio Lower Upper

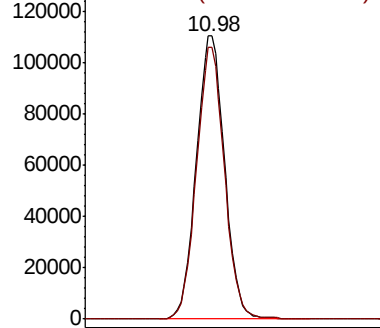
107 100

109 94.6 75.7 113.5

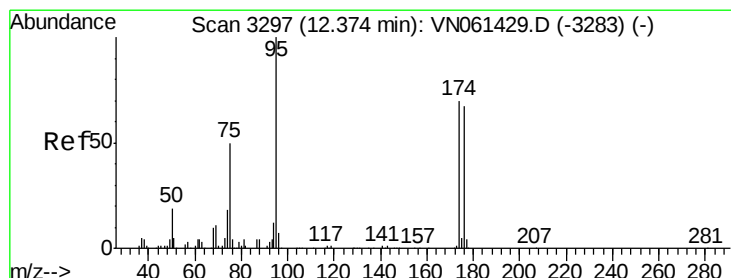
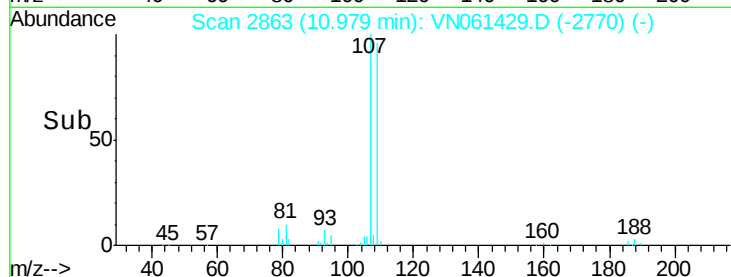


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 48.606 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

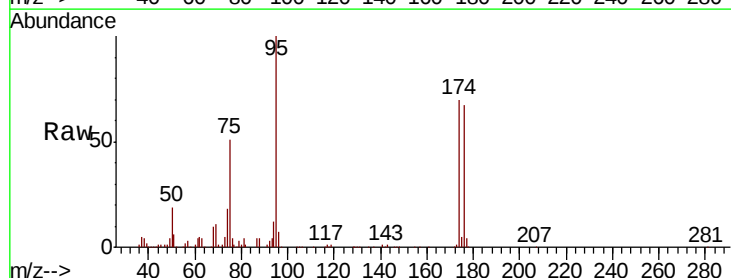
Tgt Ion: 95 Resp: 240341

Ion Ratio Lower Upper

95 100

174 70.6 0.0 141.2

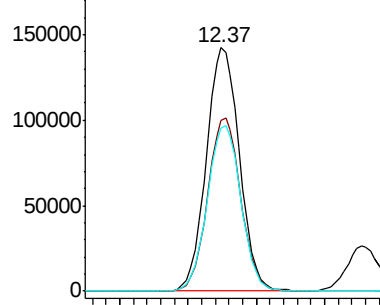
176 68.8 0.0 137.6



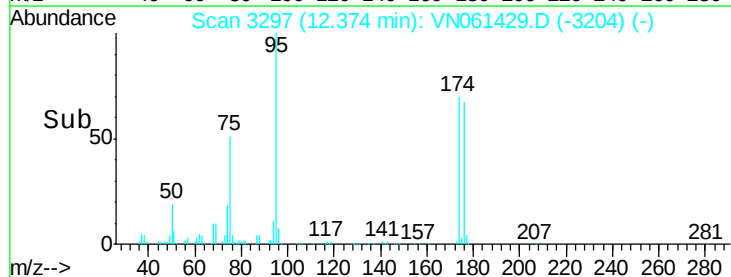
Abundance Ion 94.90 (94.60 to 95.60): V

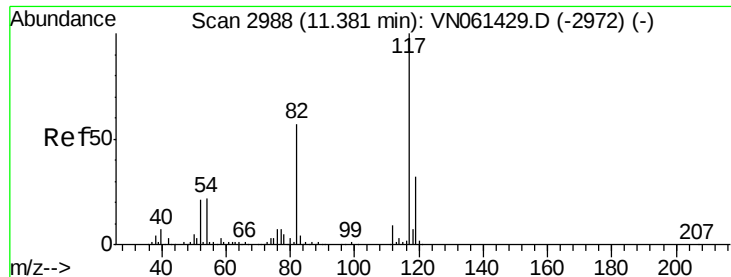
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

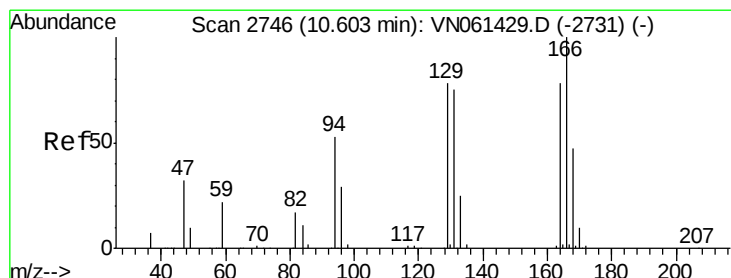
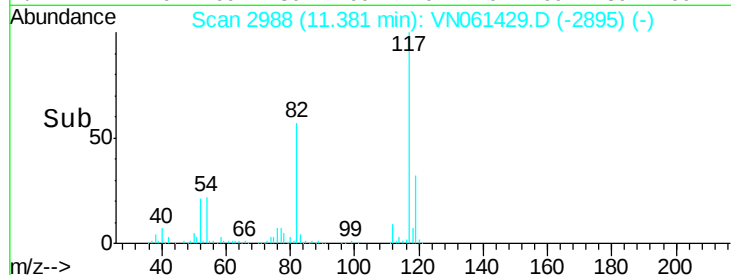
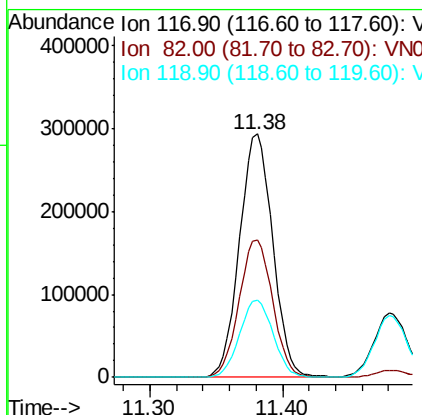
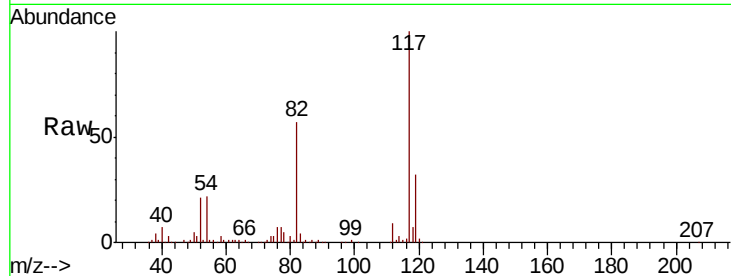




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

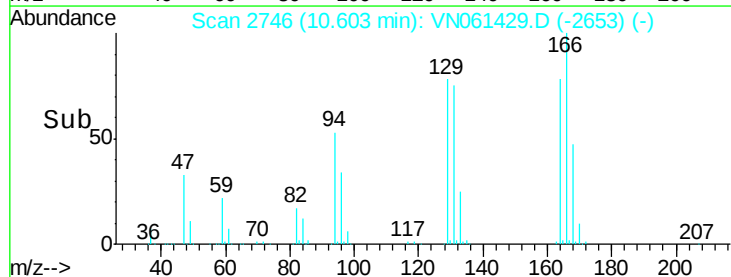
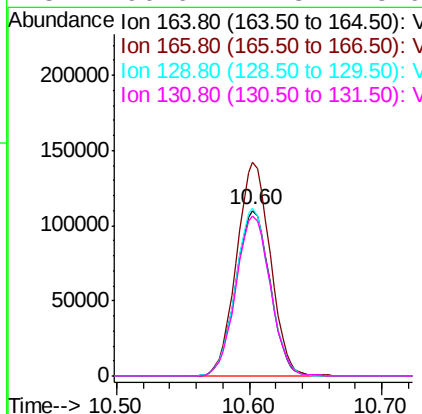
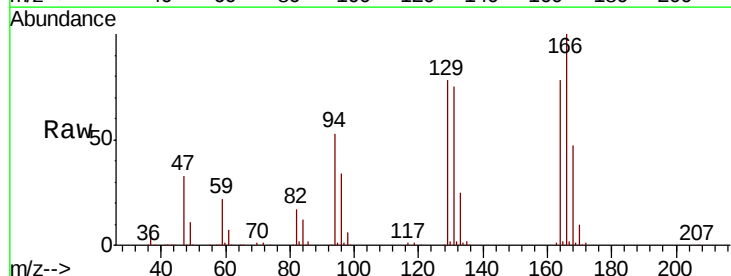
Instrument :
MSVOA_N
ClientSampleId :

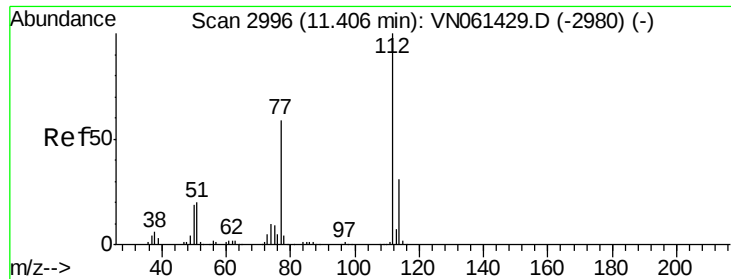
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.2	67.8
119	31.6	25.3	37.9



#64
Tetrachloroethene
Concen: 49.553 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	103.2	154.8
129	101.2	81.0	121.4
131	96.6	77.3	115.9





#65

Chlorobenzene

Concen: 49.403 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

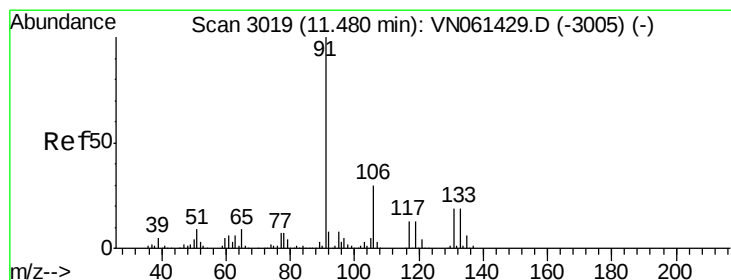
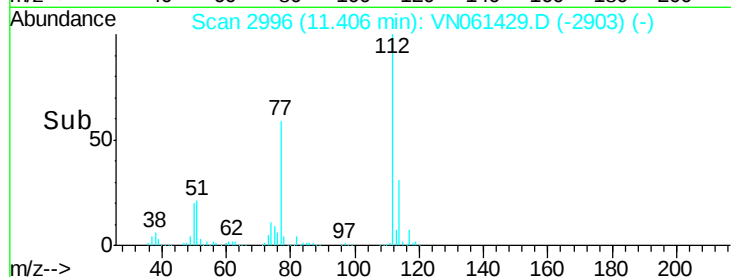
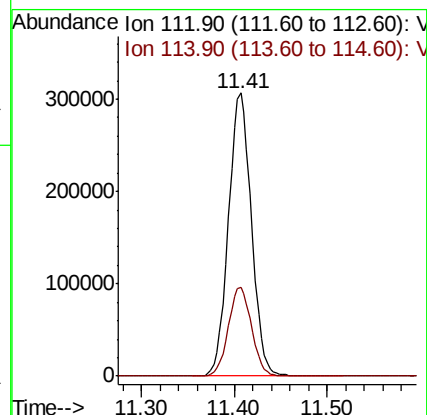
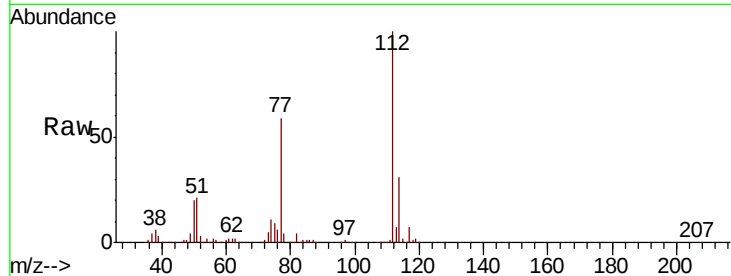
ClientSampleId :

Tot Ion:112 Resp: 525426

Ion Ratio Lower Upper

112 100

114 31.3 25.0 37.6



#66

1,1,1,2-Tetrachloroethane

Concen: 51.083 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

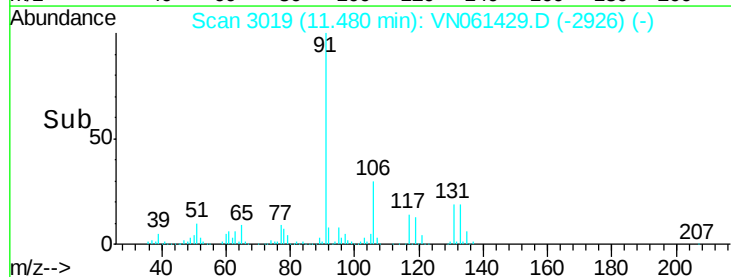
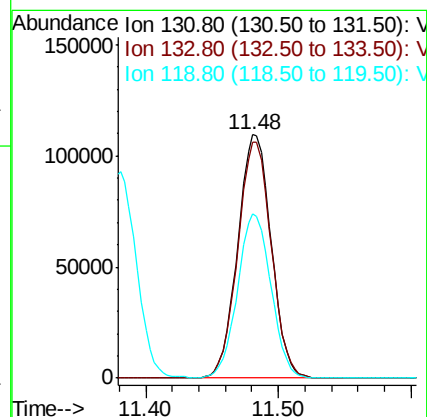
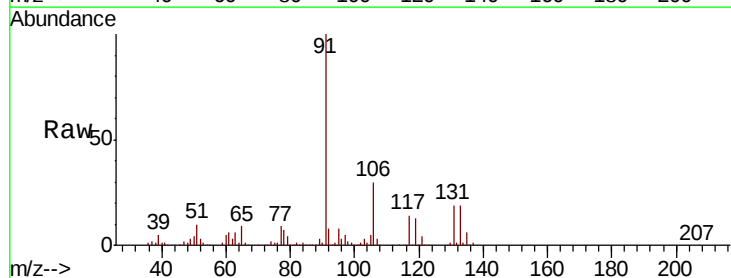
Tgt Ion:131 Resp: 191767

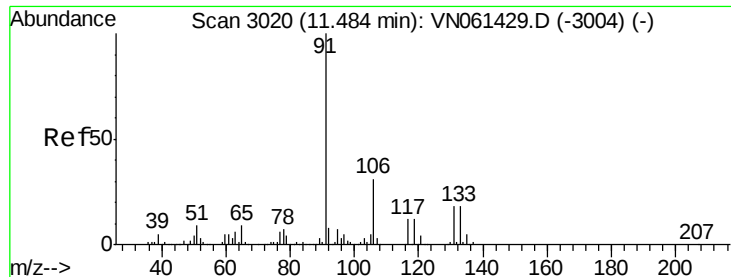
Ion Ratio Lower Upper

131 100

133 97.4 48.7 146.1

119 67.5 33.8 101.3

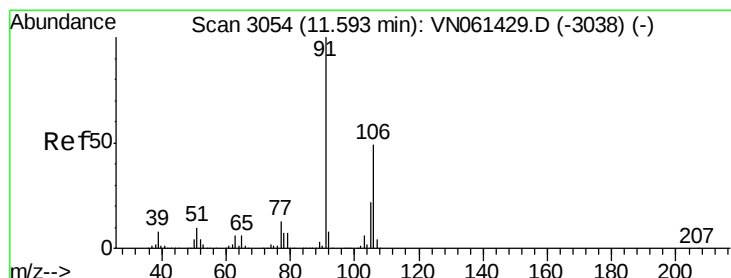
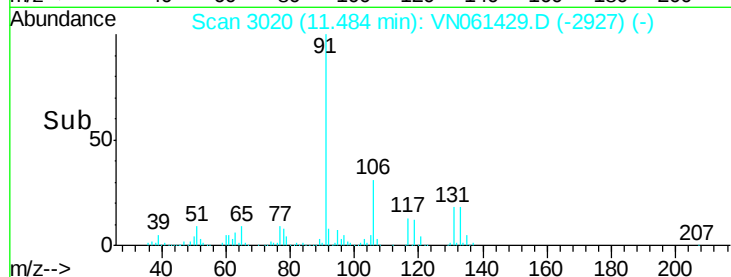
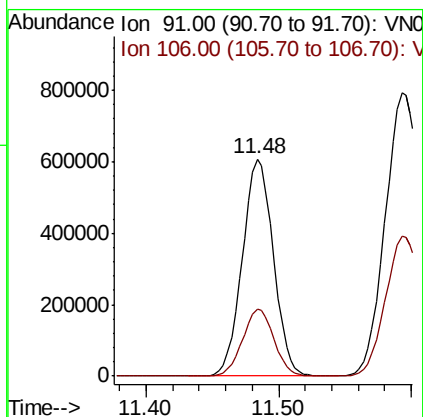
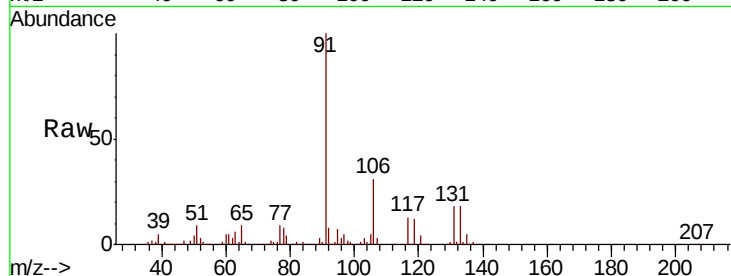




#67
Ethyl Benzene
Concen: 50.230 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

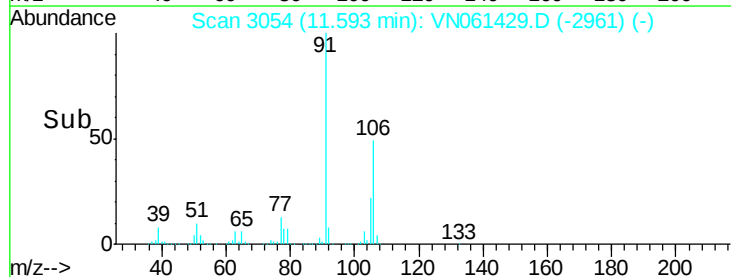
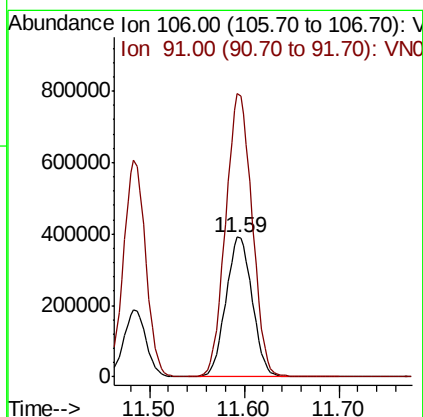
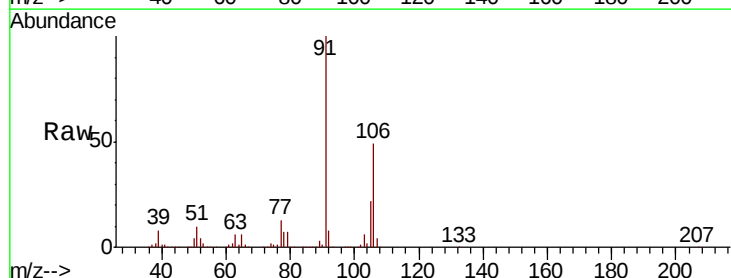
Instrument :
MSVOA_N
ClientSampled :

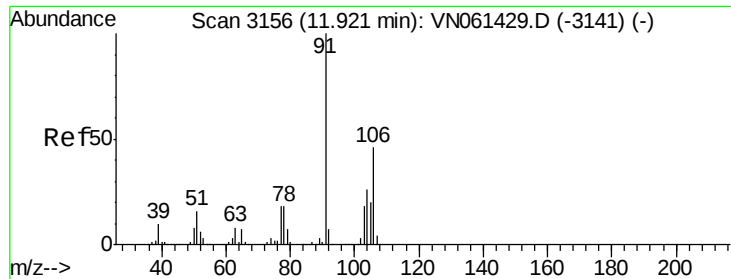
Tot Ion: 91 Resp: 989620
Ion Ratio Lower Upper
91 100
106 30.7 24.6 36.8



#68
m/p-Xylenes
Concen: 101.976 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

Tgt Ion:106 Resp: 754775
Ion Ratio Lower Upper
106 100
91 203.8 163.0 244.6

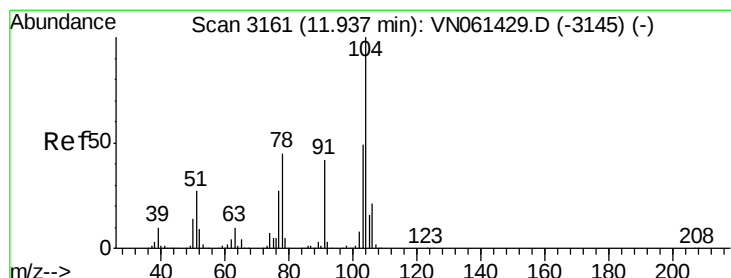
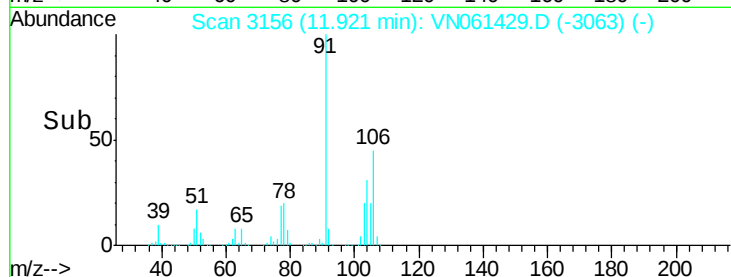
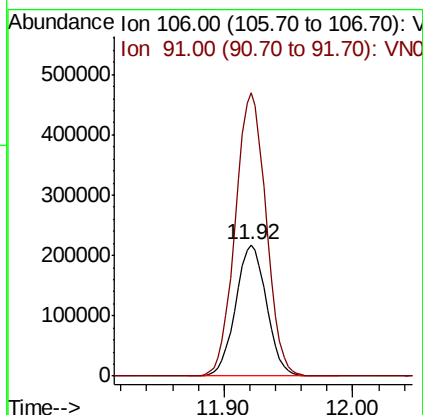
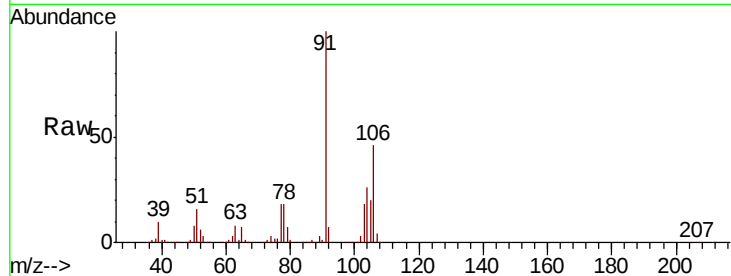




#69
o-Xylene
Concen: 50.313 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

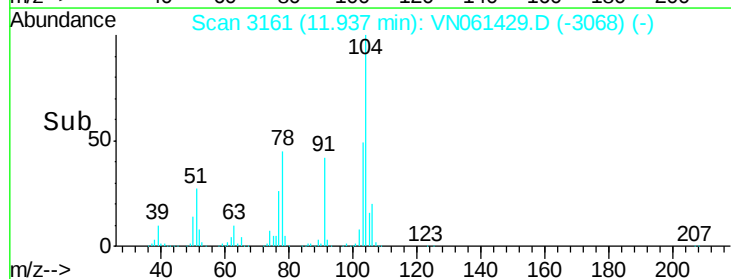
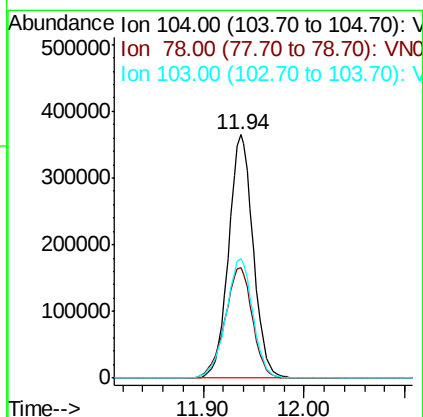
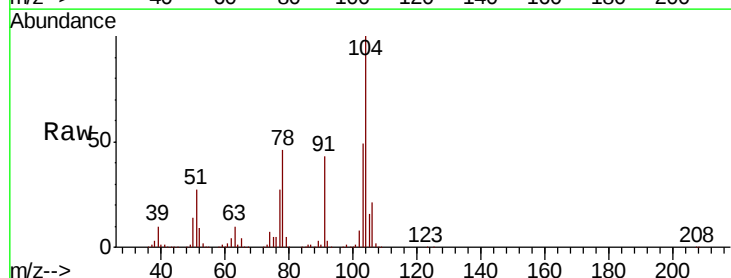
Instrument :
MSVOA_N
ClientSampled :

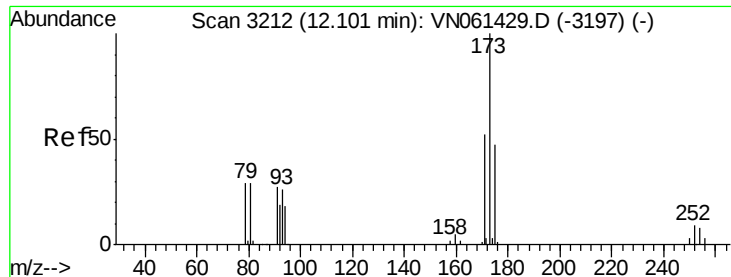
Tot Ion:106 Resp: 361210
Ion Ratio Lower Upper
106 100
91 215.8 107.9 323.7



#70
Styrene
Concen: 51.301 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

Tgt Ion:104 Resp: 618358
Ion Ratio Lower Upper
104 100
78 50.9 40.7 61.1
103 53.7 43.0 64.4





#71

Bromoform

Concen: 53.416 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

ClientSampled :

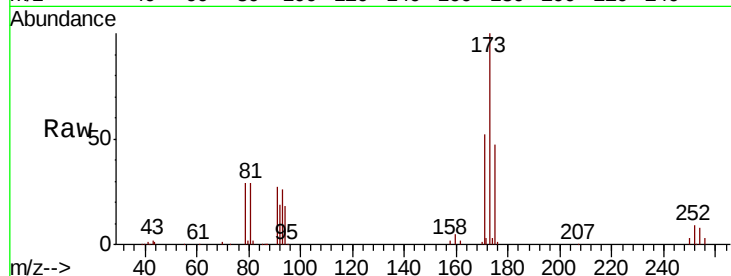
Tot Ion:173 Resp: 141229

Ion Ratio Lower Upper

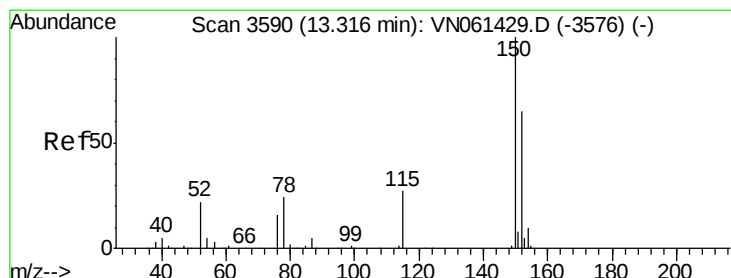
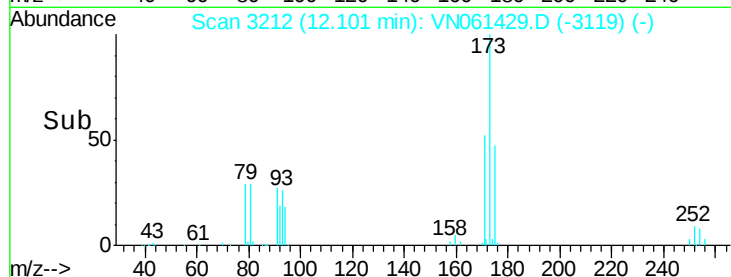
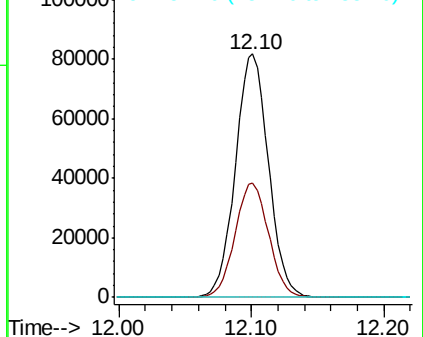
173 100

175 47.9 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: VN061429.D

Acq: 18 May 2020 12:00

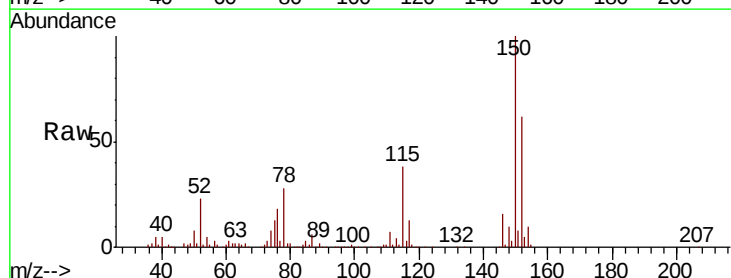
Tgt Ion:152 Resp: 245590

Ion Ratio Lower Upper

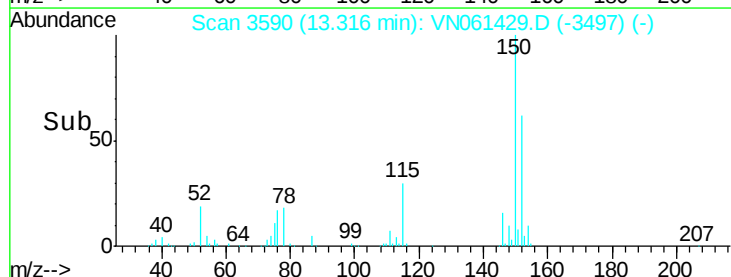
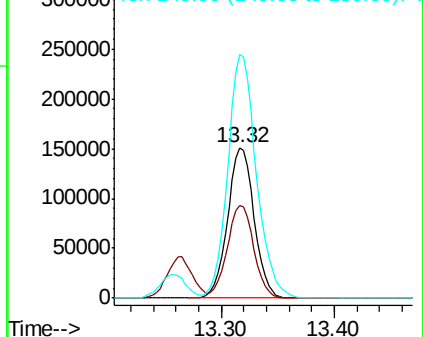
152 100

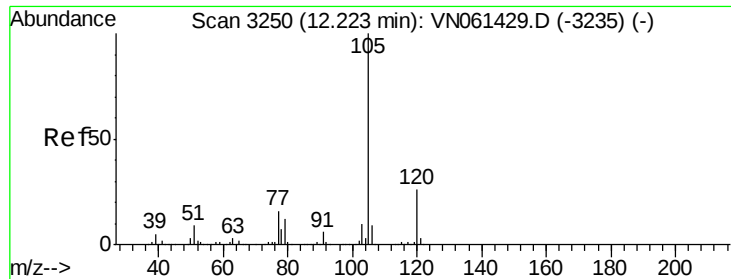
115 61.7 30.9 92.5

150 174.6 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: 48.881 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

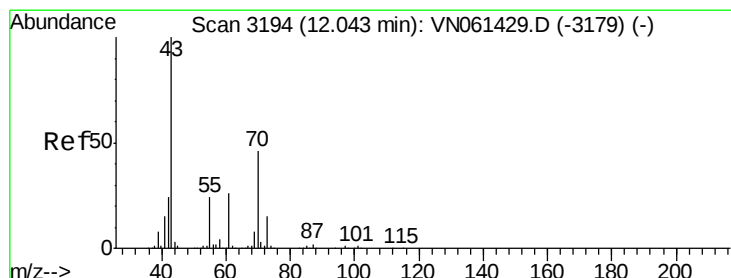
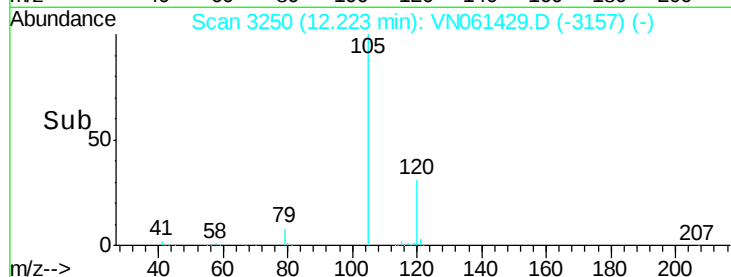
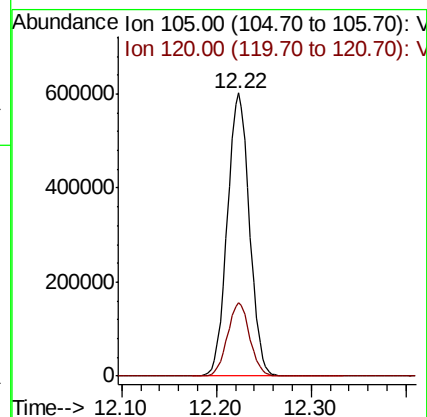
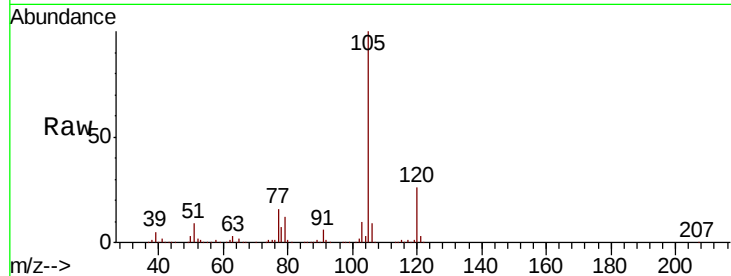
ClientSampleId :

Tot Ion:105 Resp: 977071

Ion Ratio Lower Upper

105 100

120 26.0 13.0 39.0



#74

N-ethyl acetate

Concen: 45.875 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Tgt Ion: 43 Resp: 358651

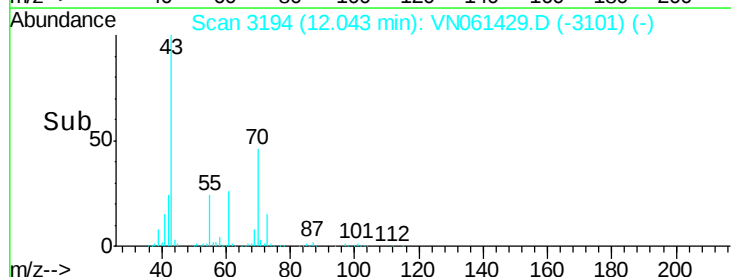
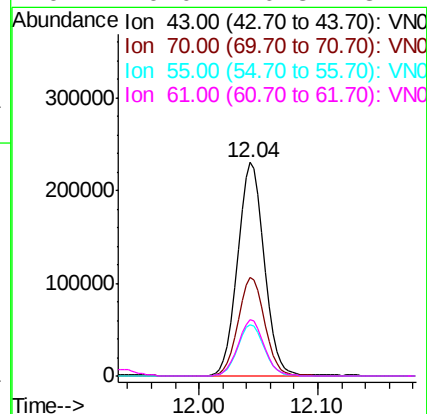
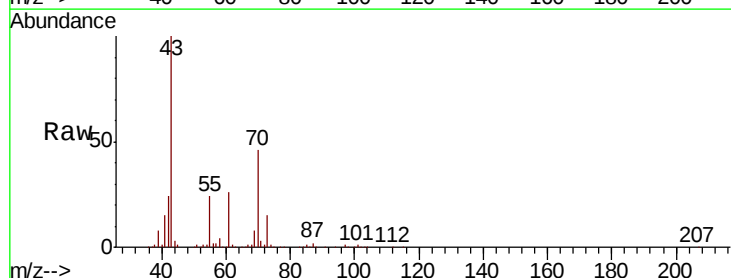
Ion Ratio Lower Upper

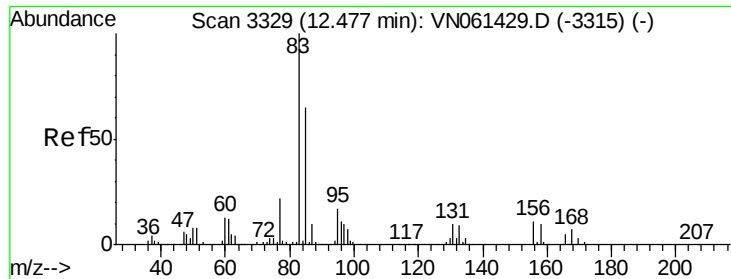
43 100

70 46.2 37.0 55.4

55 24.4 19.5 29.3

61 26.0 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 46.978 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

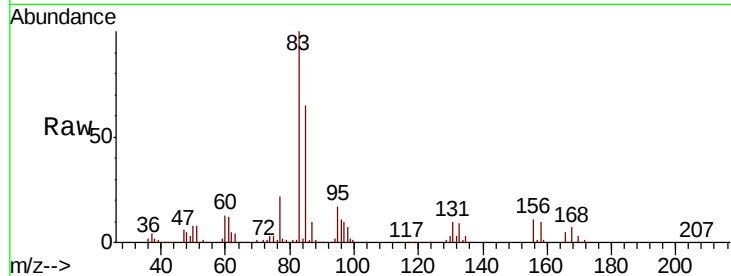
Tot Ion: 83 Resp: 267680

Ion Ratio Lower Upper

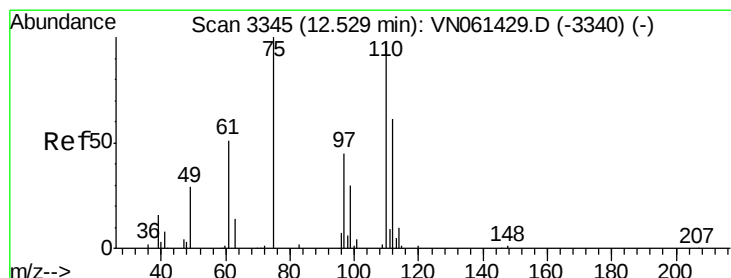
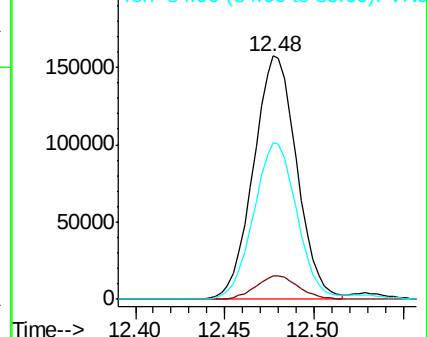
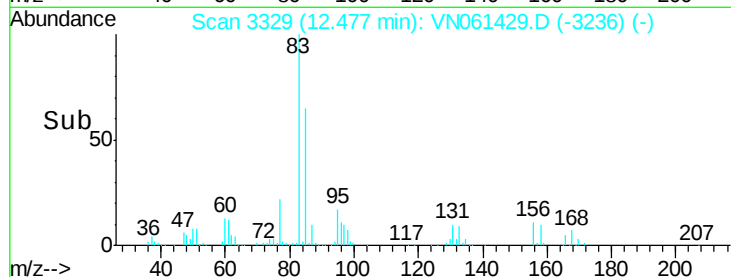
83 100

131 9.6 4.8 14.4

85 64.3 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN061429.D (-3326) (-)



#76

1,2,3-Trichloropropane

Concen: 70.619 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061429.D

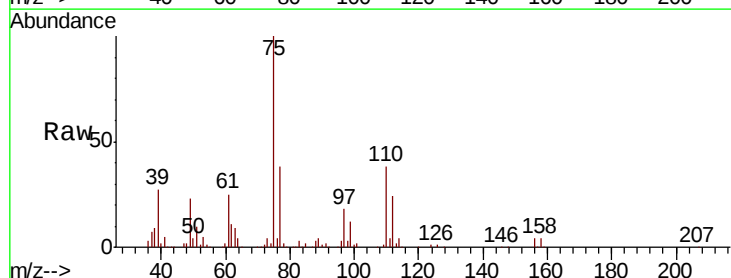
Acq: 18 May 2020 12:00

Tgt Ion: 75 Resp: 362215

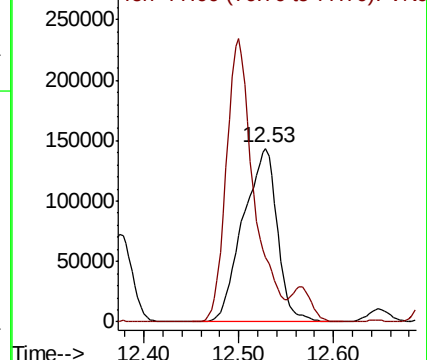
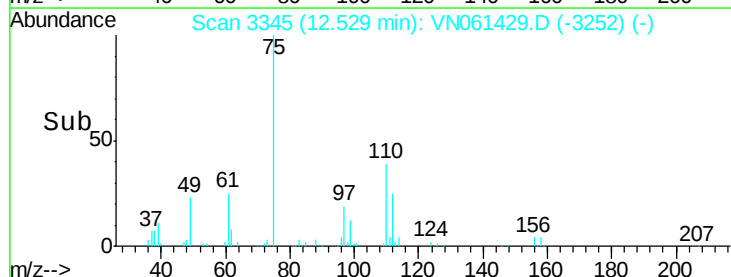
Ion Ratio Lower Upper

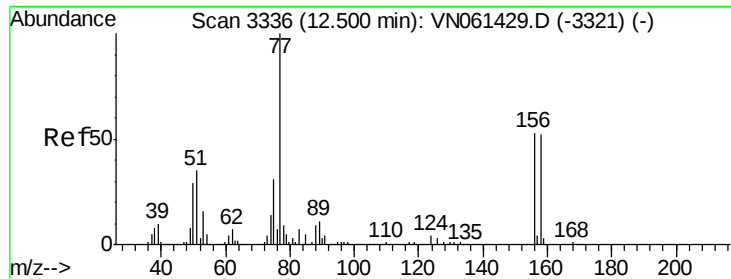
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061429.D (-3252) (-)





#77

Bromobenzene

Concen: 48.651 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

ClientSampled :

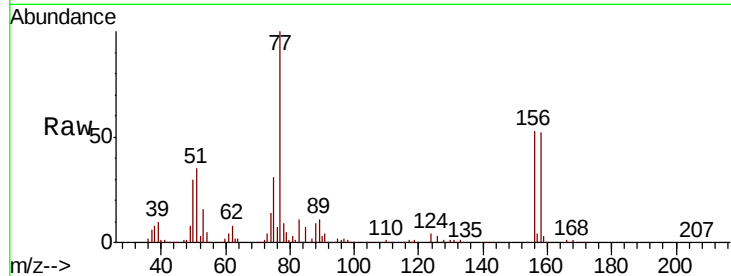
Tot Ion:156 Resp: 212846

Ion Ratio Lower Upper

156 100

77 224.6 112.3 336.9

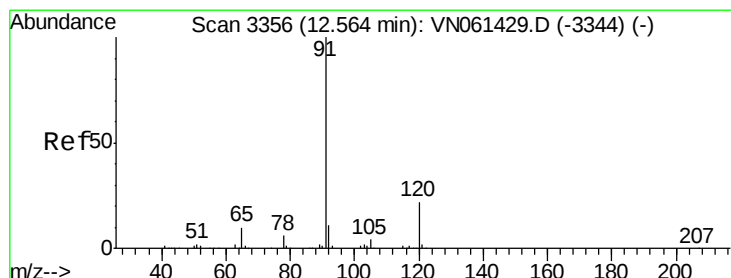
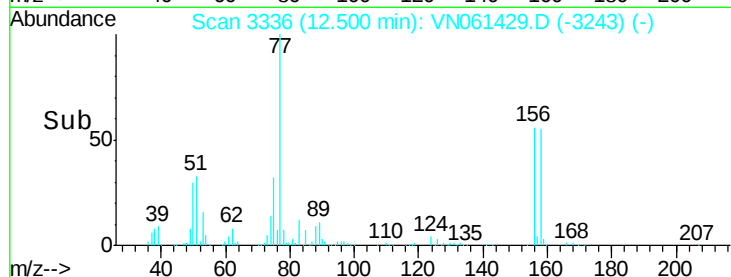
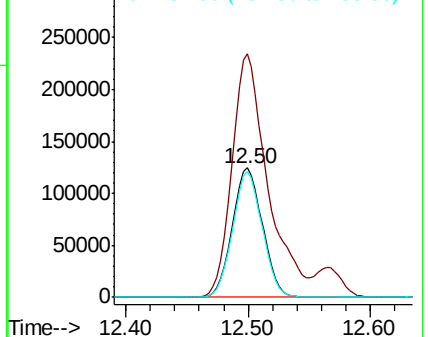
158 95.7 47.9 143.6



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: 48.726 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN061429.D

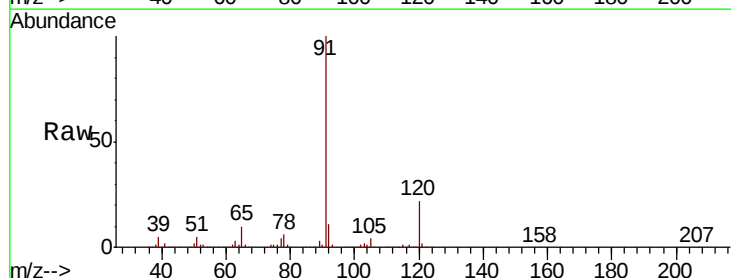
Acq: 18 May 2020 12:00

Tgt Ion: 91 Resp: 1135362

Ion Ratio Lower Upper

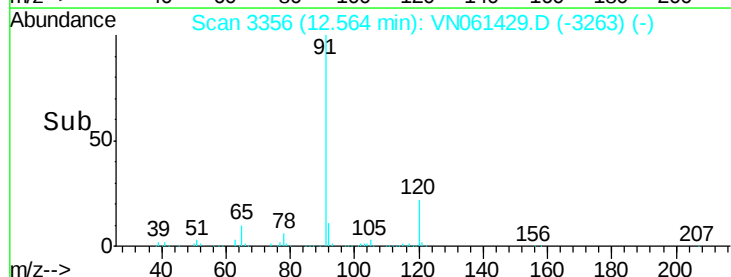
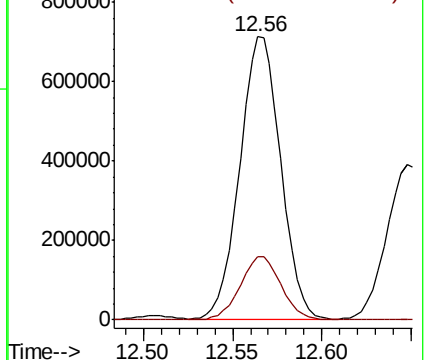
91 100

120 22.4 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

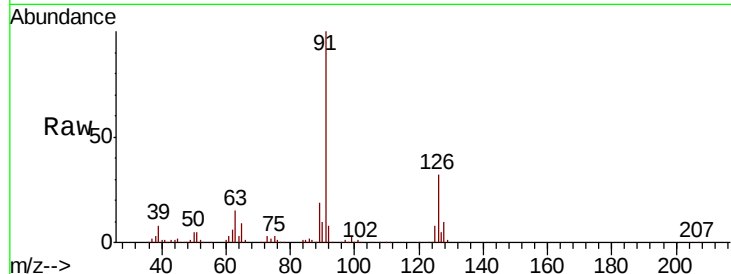




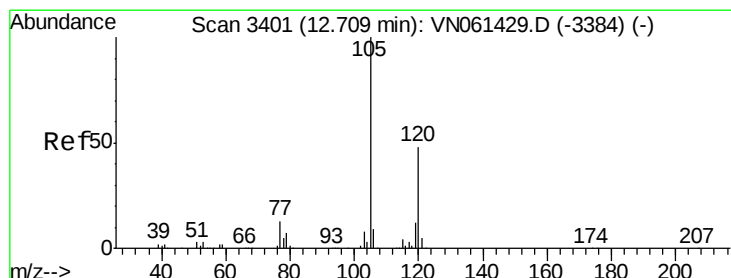
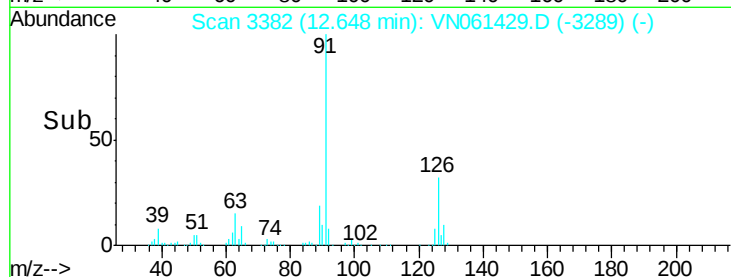
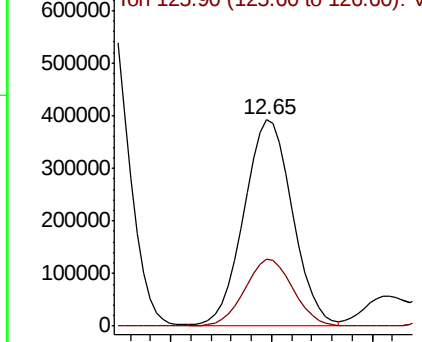
#79
 2-Chlorotoluene
 Concen: 47.903 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061429.D
 Acq: 18 May 2020 12:00

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 654388
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.3 48.9

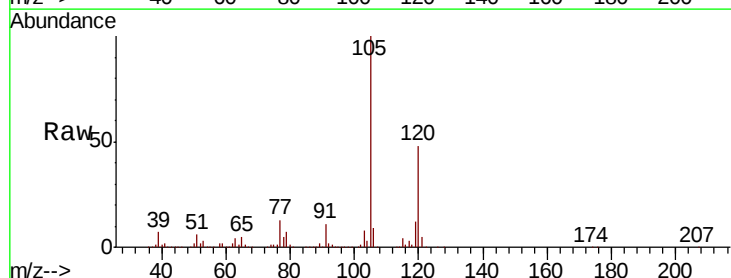


Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3370) (-)
 Ion 125.90 (125.60 to 126.60): VN061429.D (-3370) (-)

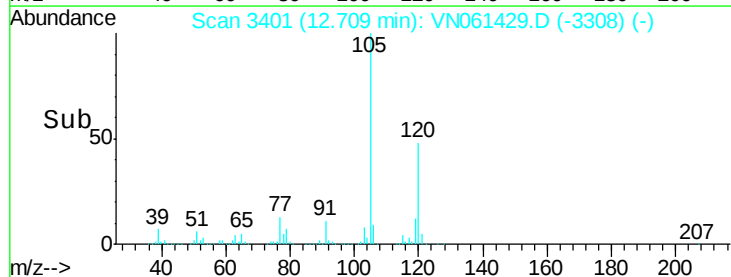
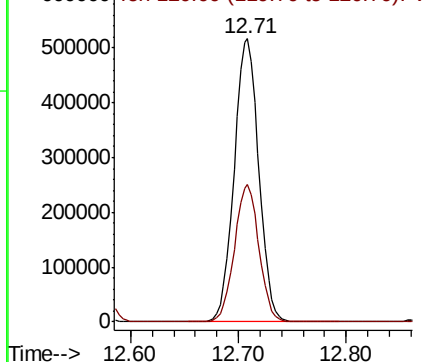


#80
 1,3,5-Trimethylbenzene
 Concen: 49.052 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061429.D
 Acq: 18 May 2020 12:00

Tgt Ion: 105 Resp: 820583
 Ion Ratio Lower Upper
 105 100
 120 48.3 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: 48.916 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

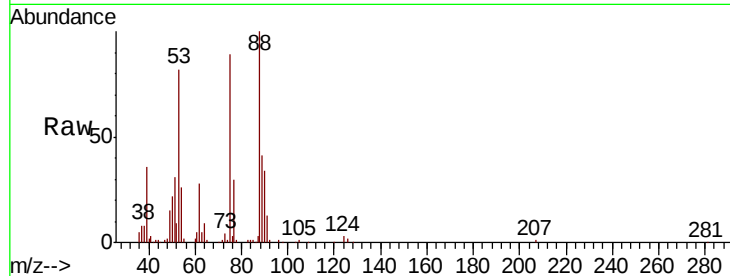
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 75 Resp: 95939

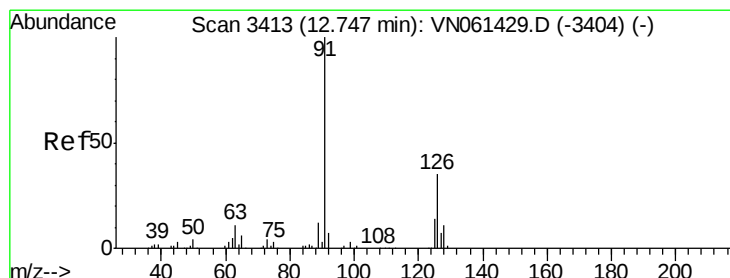
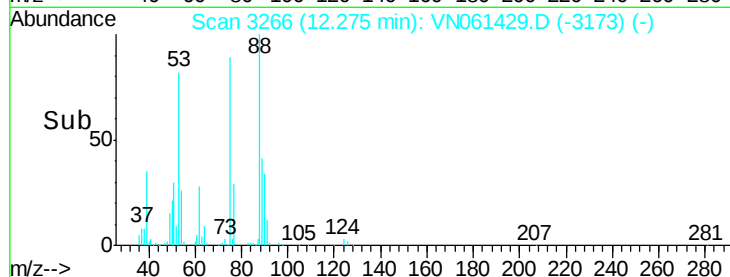
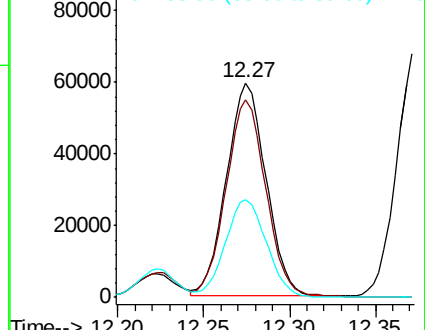
Ion	Ratio	Lower	Upper
75	100		
53	94.0	75.2	112.8
89	47.8	38.2	57.4



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: 48.161 ug/l

RT: 12.75 min Scan# 3413

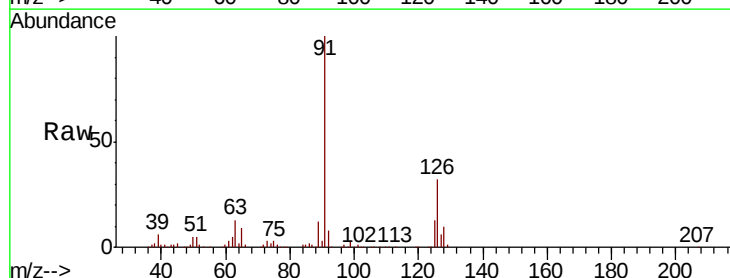
Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

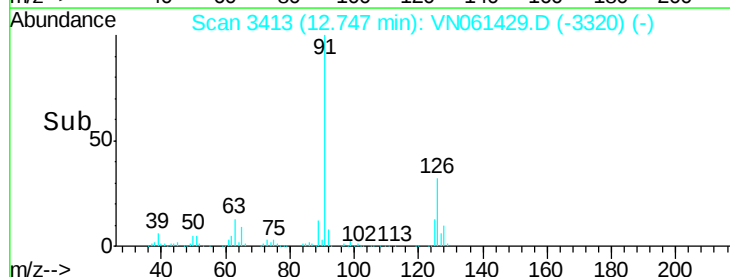
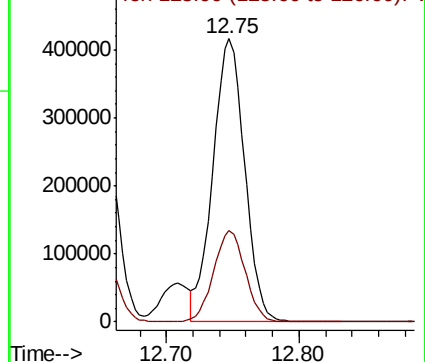
Tgt Ion: 91 Resp: 691272

Ion	Ratio	Lower	Upper
91	100		
126	32.1	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: 48.926 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

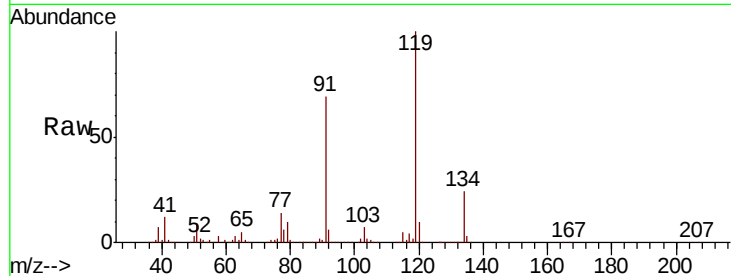
Tot Ion:119 Resp: 698226

Ion Ratio Lower Upper

119 100

91 67.3 33.7 101.0

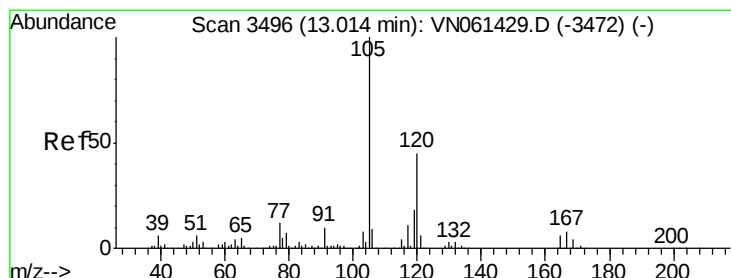
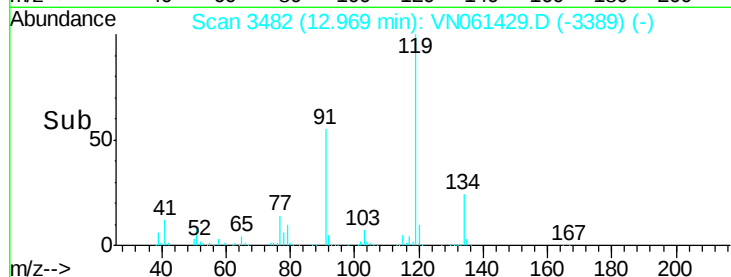
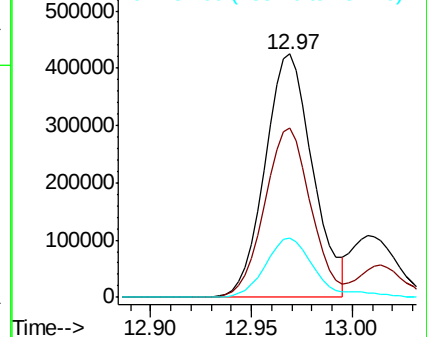
134 25.5 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.585 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. 0.00 min

Lab File: VN061429.D

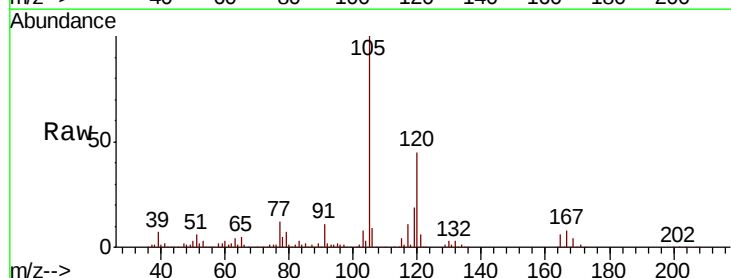
Acq: 18 May 2020 12:00

Tgt Ion:105 Resp: 827734

Ion Ratio Lower Upper

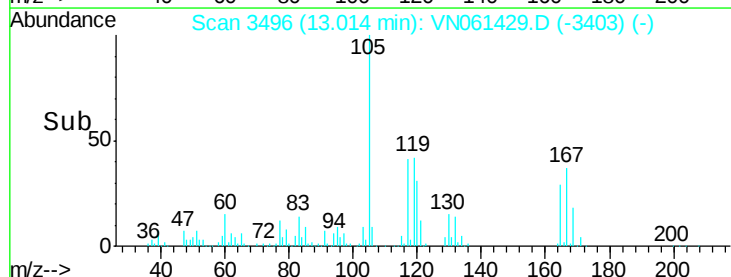
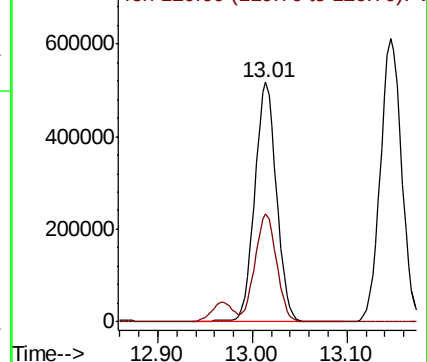
105 100

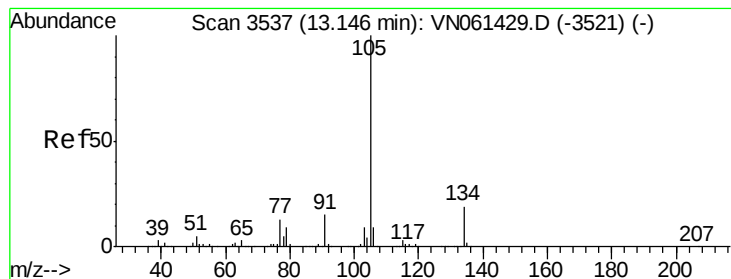
120 44.9 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.382 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

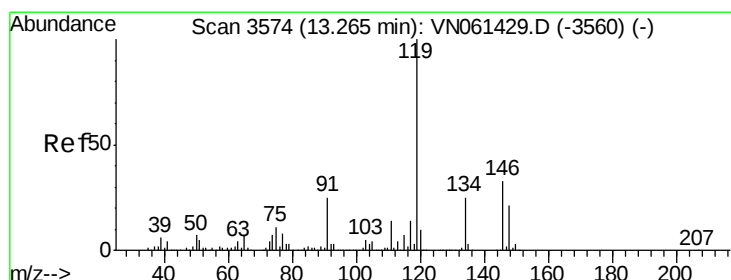
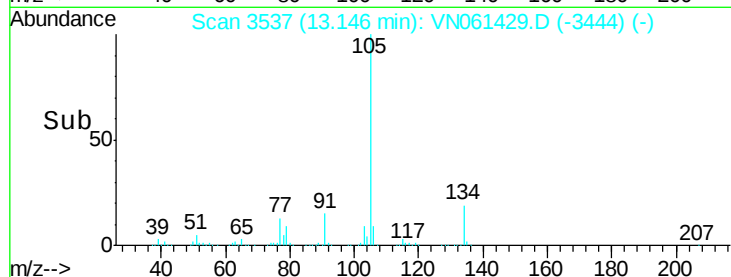
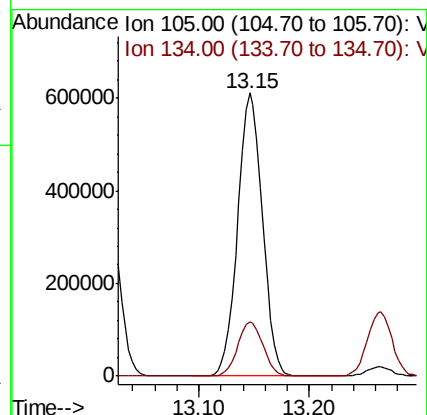
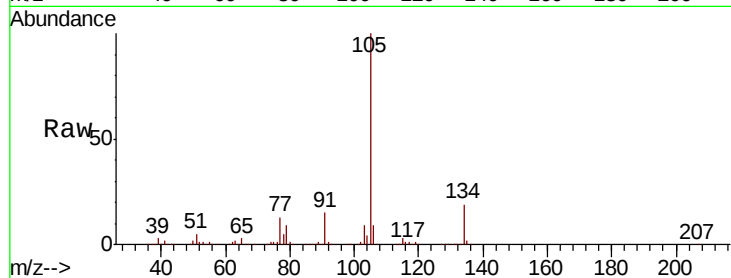
ClientSampled :

Tot Ion:105 Resp: 951201

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.5



#86

p-Isopropyltoluene

Concen: 50.982 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

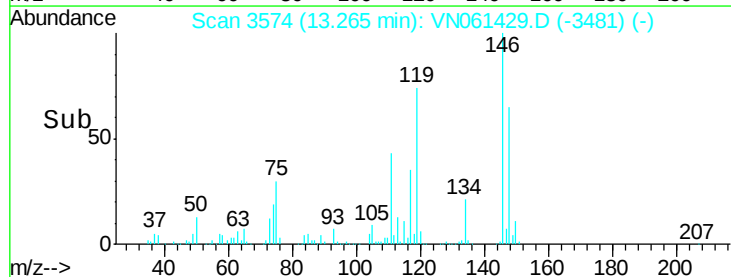
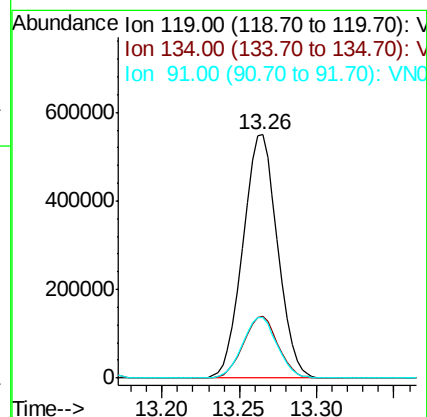
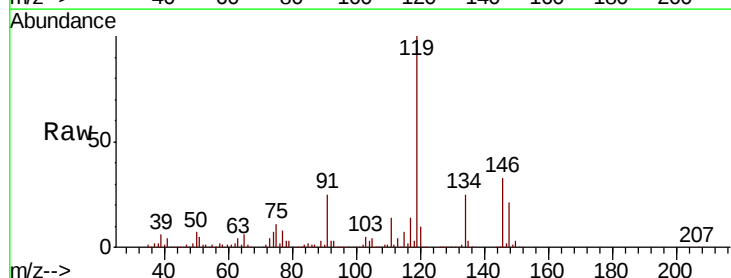
Tgt Ion:119 Resp: 852487

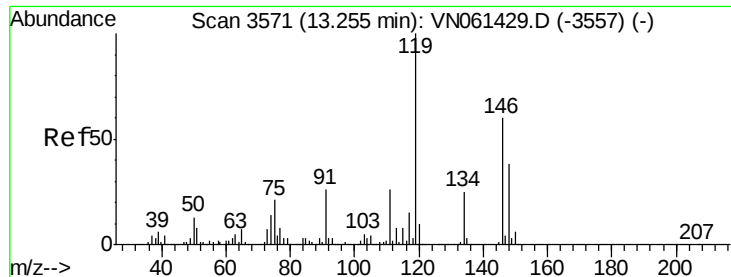
Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.1

91 25.1 12.6 37.6

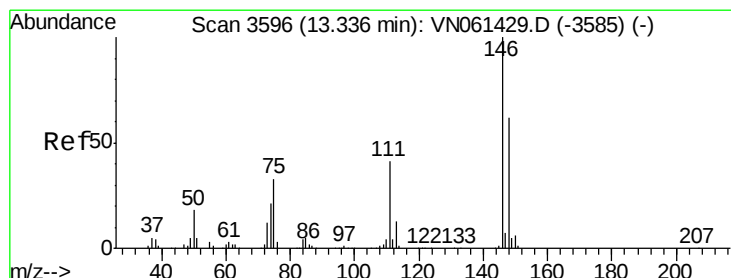
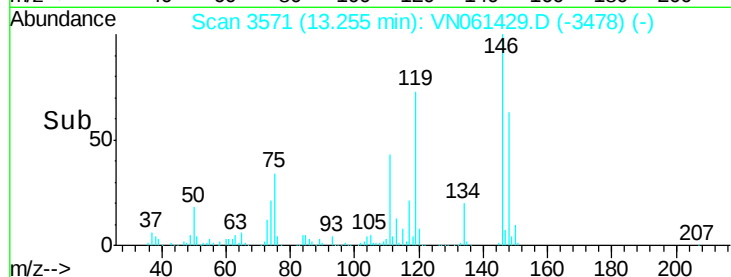
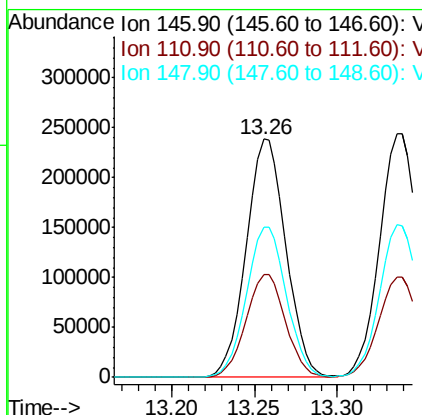
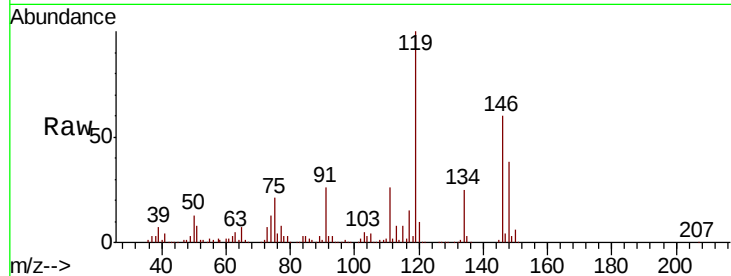




#87
 1,3-Dichlorobenzene
 Concen: 50.027 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VN061429.D
 Acq: 18 May 2020 12:00

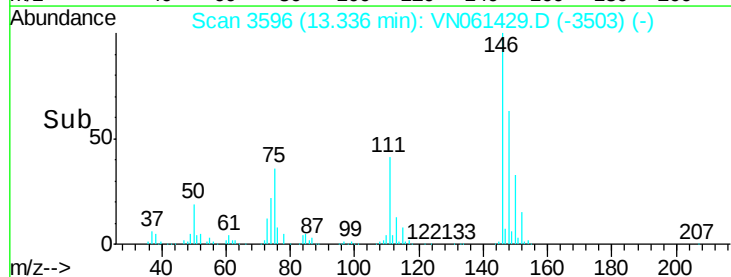
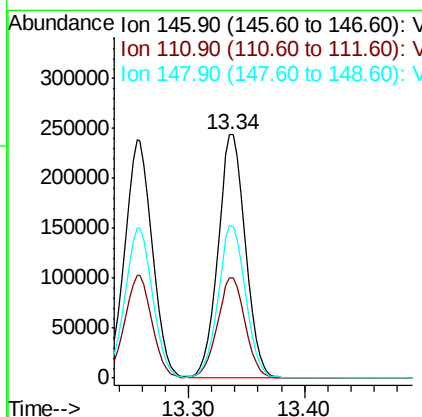
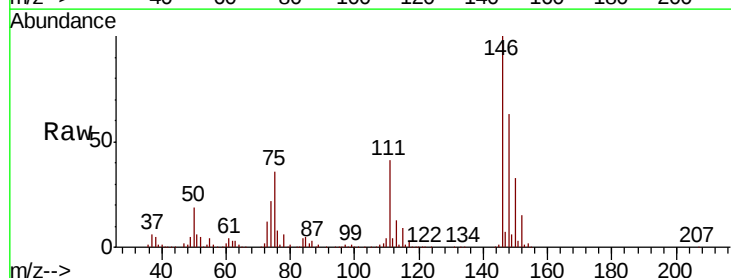
Instrument :
 MSVOA_N
 ClientSampled :

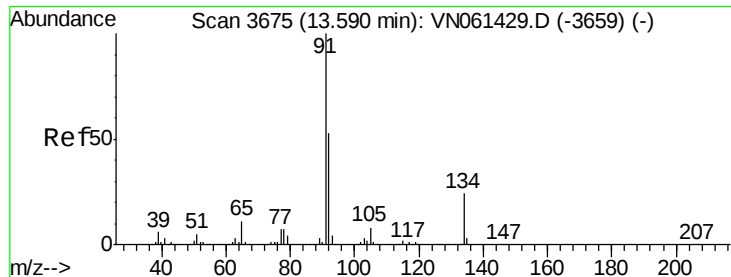
Tot Ion:146 Resp: 396892
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.5 64.5
 148 63.5 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 49.239 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VN061429.D
 Acq: 18 May 2020 12:00

Tgt Ion:146 Resp: 401169
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.8 62.5
 148 63.2 31.6 94.8

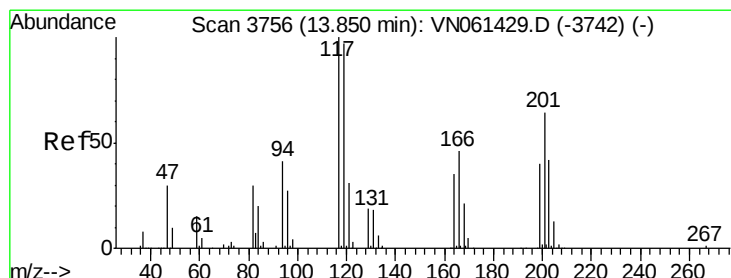
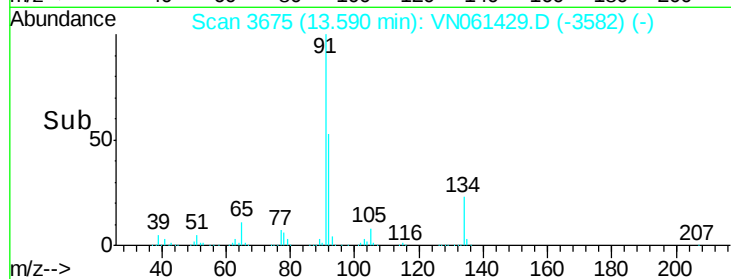
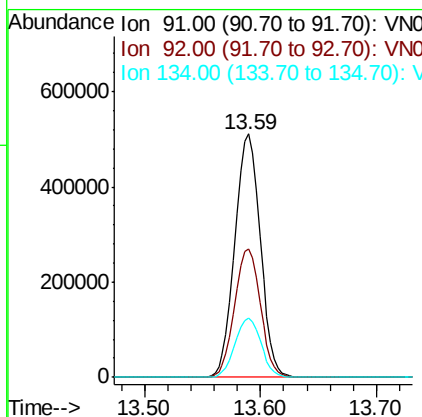
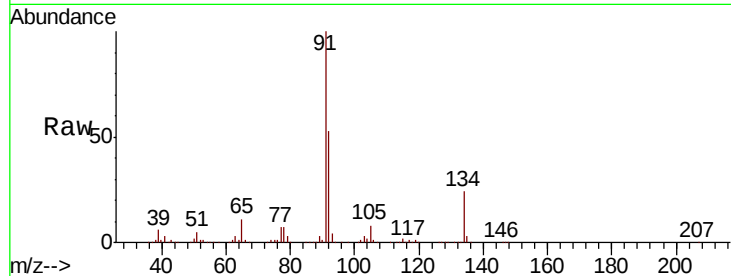




#89
n-Butylbenzene
Concen: 51.167 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

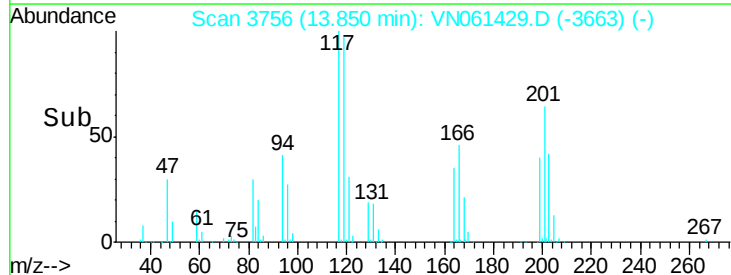
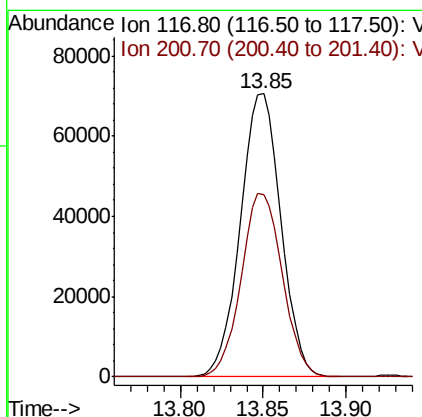
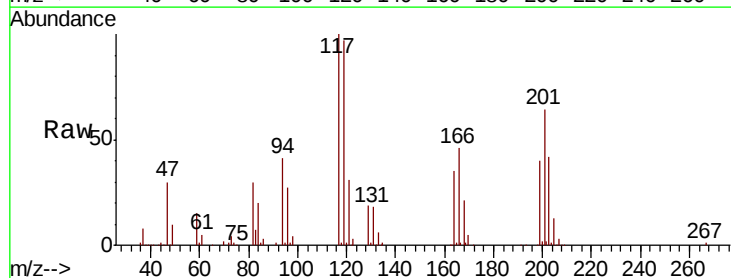
Instrument :
MSVOA_N
ClientSampleId :

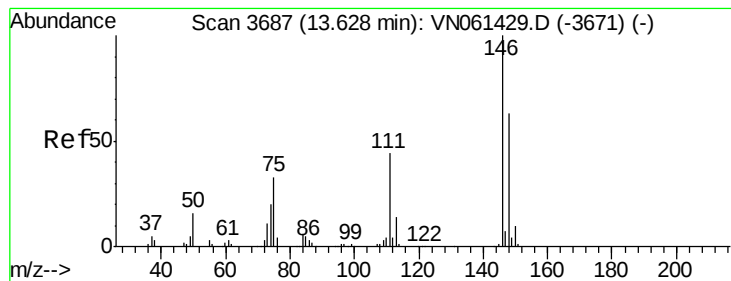
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	24.9	12.4	37.4



#90
Hexachloroethane
Concen: 52.046 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.8	32.9	98.7





#91

1,2-Dichlorobenzene

Concen: 50.659 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

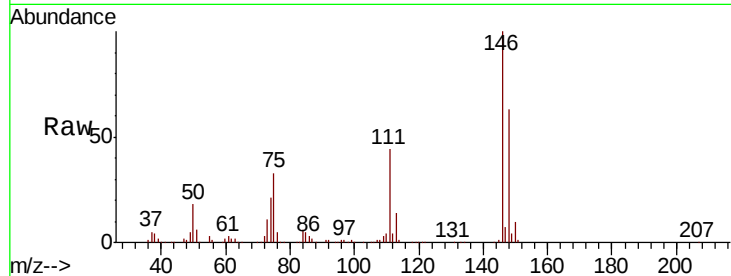
Tot Ion:146 Resp: 384210

Ion Ratio Lower Upper

146 100

111 43.8 21.9 65.7

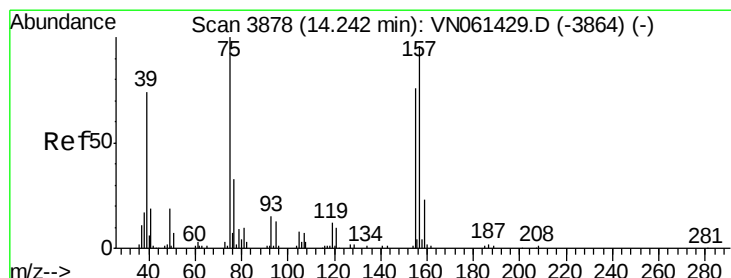
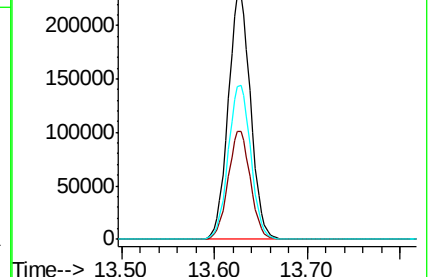
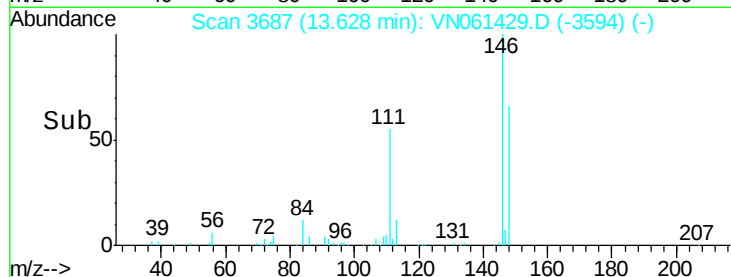
148 63.1 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.030 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VN061429.D

Acq: 18 May 2020 12:00

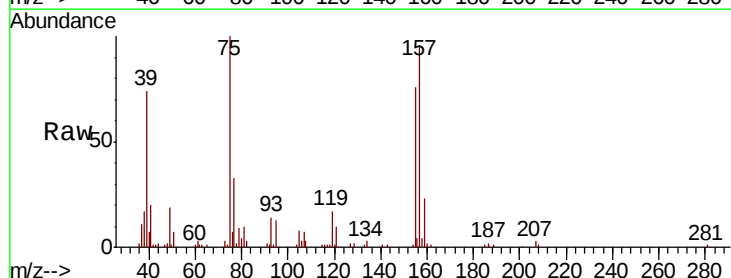
Tgt Ion: 75 Resp: 54808

Ion Ratio Lower Upper

75 100

155 77.8 38.9 116.7

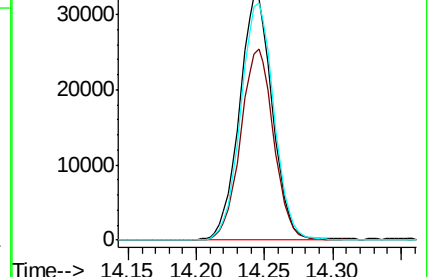
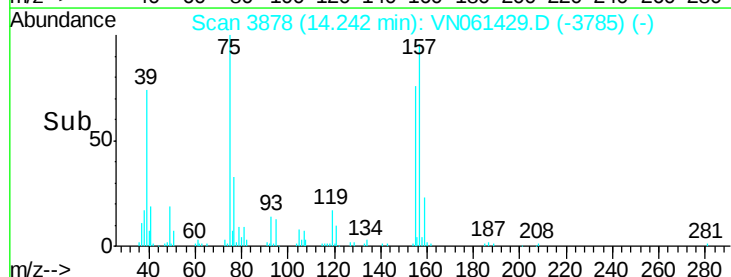
157 97.2 48.6 145.8



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

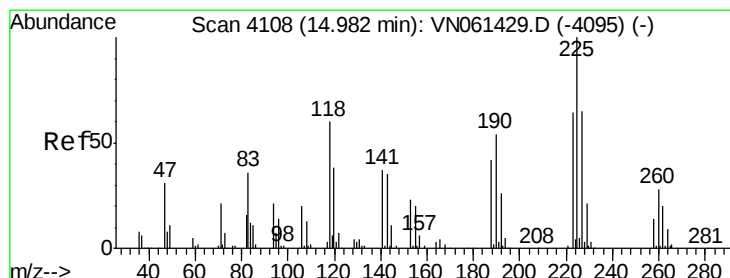
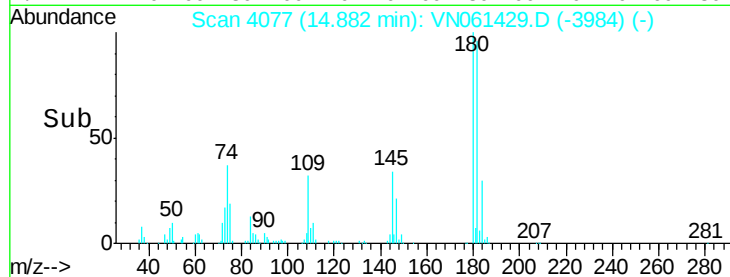
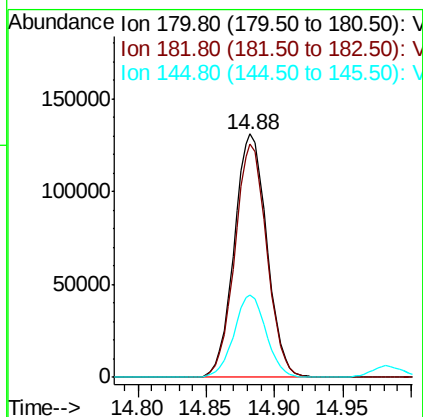
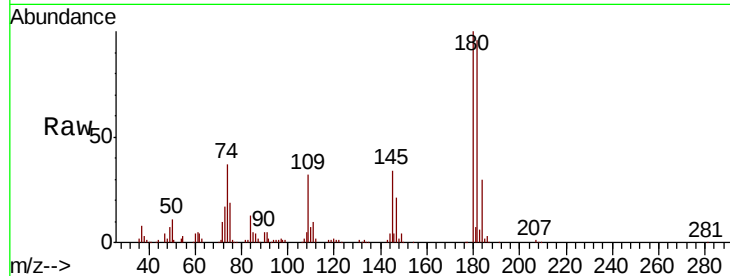




#93
 1,2,4-Trichlorobenzene
 Concen: 52.347 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061429.D
 Acq: 18 May 2020 12:00

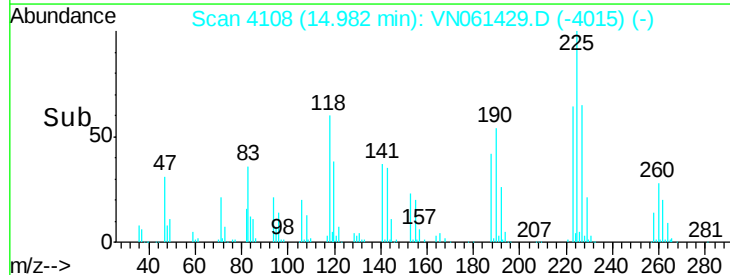
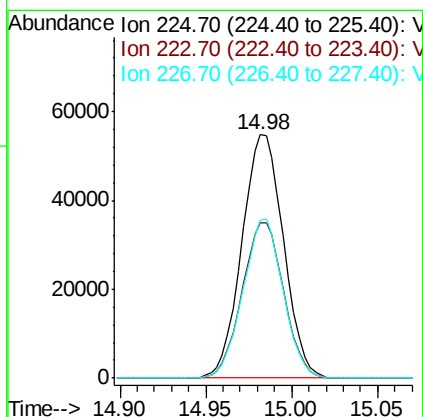
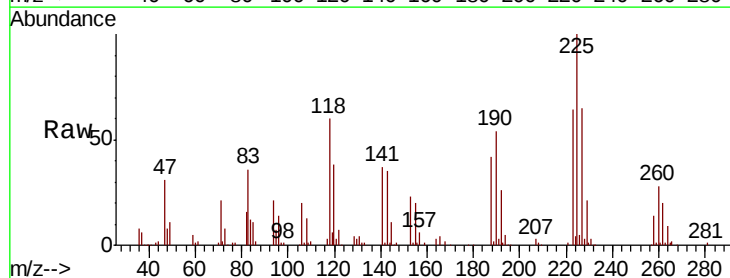
Instrument :
 MSVOA_N
 ClientSampleId :

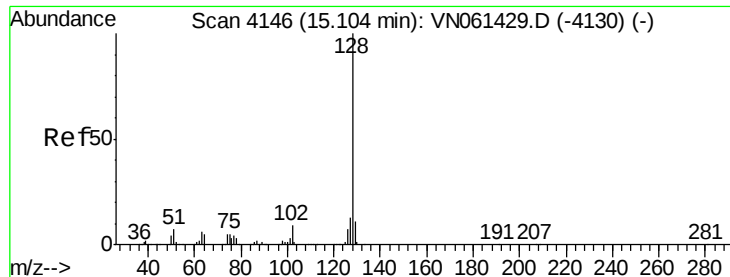
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	33.3	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 57.274 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN061429.D
 Acq: 18 May 2020 12:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	63.0	31.5	94.5

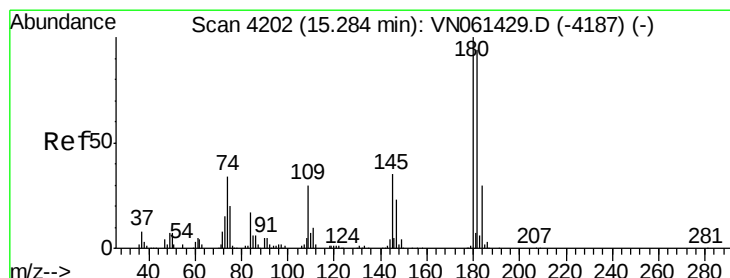
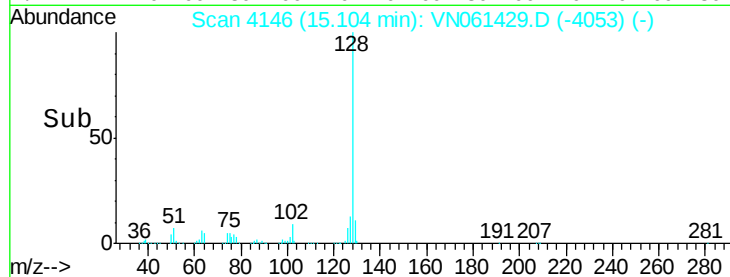
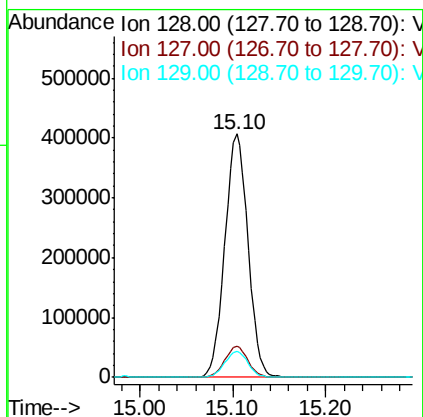
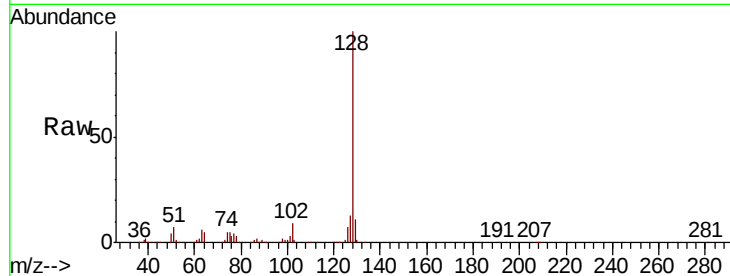




#95
Naphthalene
Concen: 52.215 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 703223
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.832 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061429.D
Acq: 18 May 2020 12:00

Tgt Ion:180 Resp: 211268
Ion Ratio Lower Upper
180 100
182 95.5 47.8 143.3
145 34.6 17.3 51.9

