

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061435.D
 Acq On : 18 May 2020 15:27
 Operator : JC/MD
 Sample : VN0518WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 18:05:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	277953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	512631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	483577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	218862	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	217816	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	
35) Dibromofluoromethane	7.55	113	149317	55.60	ug/l	0.00
Spiked Amount			Recovery	=	111.20%	
50) Toluene-d8	10.06	98	646077	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.37	95	235104	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	43252	18.714	ug/l	99
3) Chloromethane	2.03	50	71486	18.964	ug/l	99
4) Vinyl Chloride	2.16	62	103594	19.202	ug/l	100
5) Bromomethane	2.54	94	59373	19.314	ug/l	97
6) Chloroethane	2.67	64	70612	19.446	ug/l	99
7) Trichlorofluoromethane	2.98	101	123585	18.869	ug/l	99
8) Diethyl Ether	3.37	74	35710	18.718	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	53373	19.596	ug/l	98
10) Methyl Iodide	3.91	142	66601	20.132	ug/l	99
11) Tert butyl alcohol	4.72	59	53422	111.766	ug/l	100
12) 1,1-Dichloroethene	3.70	96	52503	18.428	ug/l	98
13) Acrolein	3.57	56	31792	80.128	ug/l	98
14) Allyl chloride	4.28	41	83515	18.012	ug/l	94
15) Acrylonitrile	4.93	53	137742	97.268	ug/l	99
16) Acetone	3.77	43	113510	100.097	ug/l	100
17) Carbon Disulfide	4.01	76	142111	21.417	ug/l	98
18) Methyl Acetate	4.27	43	56588	19.232	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	206932	19.139	ug/l	100
20) Methylene Chloride	4.50	84	62641	18.374	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	61124	18.605	ug/l	97
22) Diisopropyl ether	5.90	45	201162	19.307	ug/l	98
23) Vinyl Acetate	5.84	43	815851	98.467	ug/l	99
24) 1,1-Dichloroethane	5.80	63	117050	19.260	ug/l	99
25) 2-Butanone	6.79	43	186123	98.542	ug/l	98
26) 2,2-Dichloropropane	6.77	77	110825	19.129	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	72784	18.755	ug/l	97
28) Bromochloromethane	7.15	49	54411	21.093	ug/l	99
29) Tetrahydrofuran	7.17	42	122073	97.590	ug/l	98
30) Chloroform	7.33	83	123432	19.446	ug/l	96
31) Cyclohexane	7.61	56	109047	18.511	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	111832	19.280	ug/l	100
36) 1,1-Dichloropropene	7.75	75	90829	18.949	ug/l	100
37) Ethyl Acetate	6.88	43	79467	18.281	ug/l	98
38) Carbon Tetrachloride	7.73	117	82787	18.757	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	111555	19.054	ug/l	99
40) Benzene	8.00	78	277100	19.183	ug/l	97
41) Methacrylonitrile	7.17	41	115576	62.949	ug/l #	15
42) 1,2-Dichloroethane	8.08	62	98998	19.022	ug/l	100
43) Isopropyl Acetate	8.13	43	145605	19.205	ug/l	98
44) Trichloroethene	8.80	130	70992	18.756	ug/l	97
45) 1,2-Dichloropropane	9.08	63	71047	19.650	ug/l	98
46) Dibromomethane	9.17	93	48087	18.972	ug/l	99
47) Bromodichloromethane	9.37	83	102407	19.176	ug/l	94
48) Methyl methacrylate	9.17	41	64864	18.520	ug/l	98
49) 1,4-Dioxane	9.17	88	17650	458.705	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	406043	98.311	ug/l	99
52) Toluene	10.12	92	176604	19.043	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	111873	19.113	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	118004	18.965	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	68597	19.565	ug/l	98
56) Ethyl methacrylate	10.40	69	105281	19.207	ug/l	99
57) 1,3-Dichloropropane	10.68	76	117968	19.469	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	226481	94.130	ug/l	99
59) 2-Hexanone	10.72	43	289202	96.783	ug/l	100
60) Dibromochloromethane	10.88	129	72971	18.815	ug/l	99
61) 1,2-Dibromoethane	10.98	107	70520	19.129	ug/l	99
64) Tetrachloroethene	10.60	164	69030	18.451	ug/l	97
65) Chlorobenzene	11.41	112	186625	18.925	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	66429	18.790	ug/l	99
67) Ethyl Benzene	11.48	91	342225	19.012	ug/l	100
68) m/p-Xylenes	11.60	106	255915	37.455	ug/l	99
69) o-Xylene	11.92	106	126364	19.111	ug/l	97
70) Styrene	11.94	104	201761	18.427	ug/l	97
71) Bromoform	12.10	173	44129	17.424	ug/l #	99
73) Isopropylbenzene	12.22	105	337176	19.190	ug/l	99
74) N-amyl acetate	12.04	43	122032	18.975	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	92443	19.123	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	123000	26.191	ug/l #	100
77) Bromobenzene	12.50	156	71203	18.673	ug/l	96
78) n-propylbenzene	12.56	91	384404	19.202	ug/l	99
79) 2-Chlorotoluene	12.65	91	222468	18.801	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	279963	19.460	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	31999	18.075	ug/l	97
82) 4-Chlorotoluene	12.75	91	232305	18.960	ug/l	99
83) tert-Butylbenzene	12.97	119	235847	19.139	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	273192	18.975	ug/l	99
85) sec-Butylbenzene	13.15	105	319043	19.147	ug/l	99
86) p-Isopropyltoluene	13.26	119	281260	19.008	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	129890	18.613	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	130938	18.735	ug/l	99
89) n-Butylbenzene	13.59	91	253960	18.892	ug/l	100
90) Hexachloroethane	13.85	117	38105	19.002	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	127304	19.017	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	19229	19.692	ug/l	97

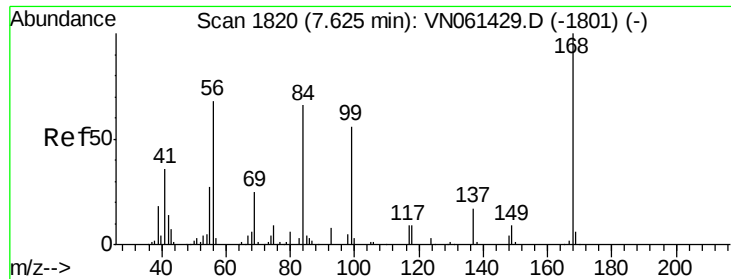
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	68028	18.742	ug/l	99
94) Hexachlorobutadiene	14.98	225	30712	19.043	ug/l	98
95) Naphthalene	15.10	128	219608	19.032	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	67386	18.649	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

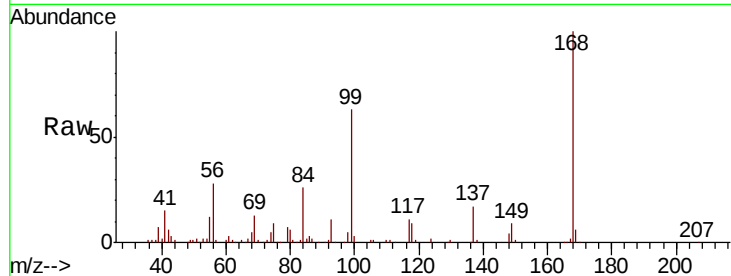
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 277953

Ion Ratio Lower Upper

168 100

99 63.1 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

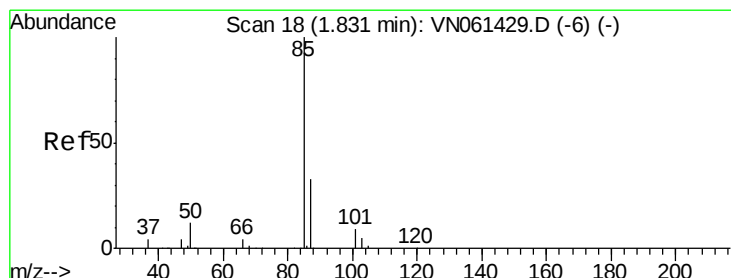
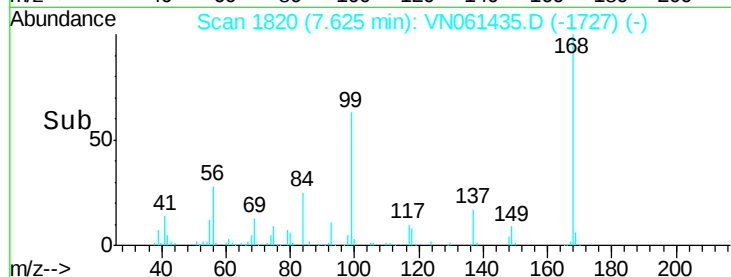
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 18.714 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061435.D

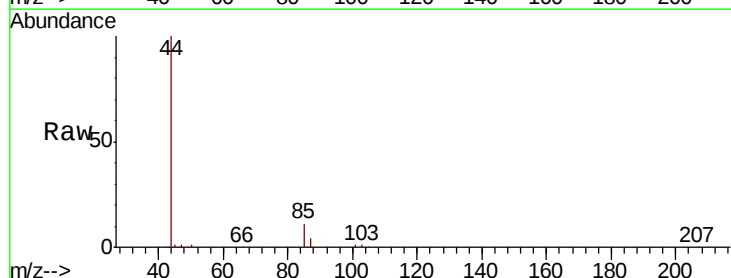
Acq: 18 May 2020 15:27

Tgt Ion: 85 Resp: 43252

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

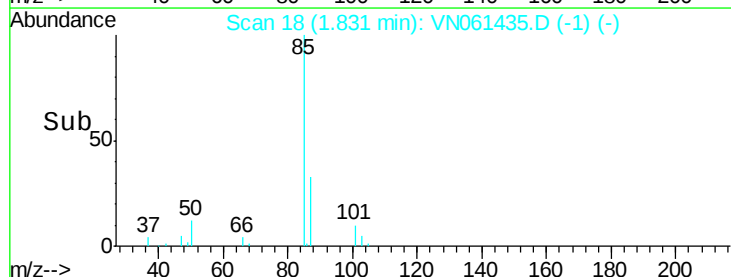
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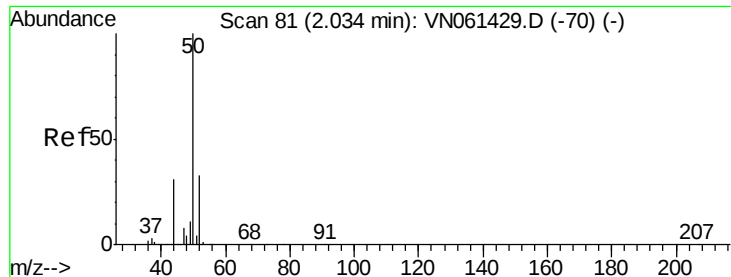
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 18.964 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Instrument :

MSVOA_N

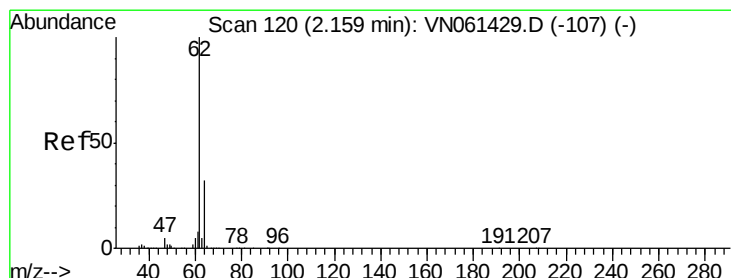
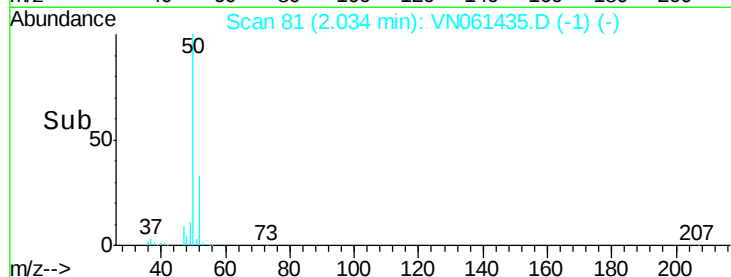
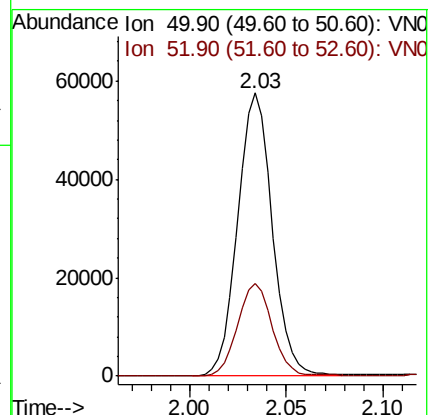
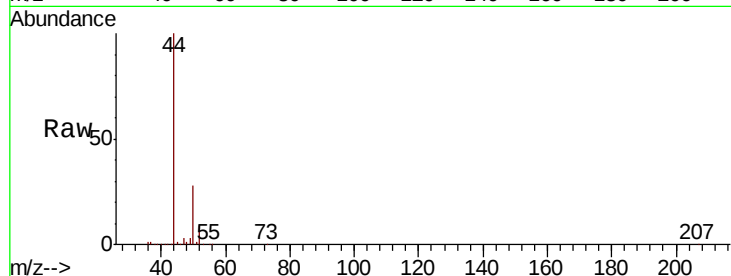
ClientSampleId :

Tot Ion: 50 Resp: 71486

Ion Ratio Lower Upper

50 100

52 32.7 26.7 40.1



#4

Vinyl Chloride

Concen: 19.202 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061435.D

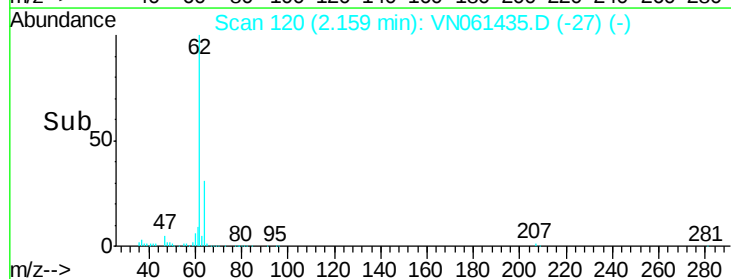
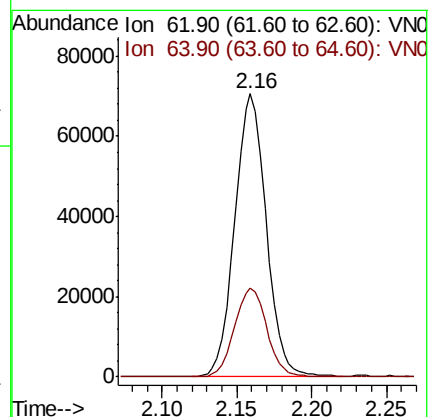
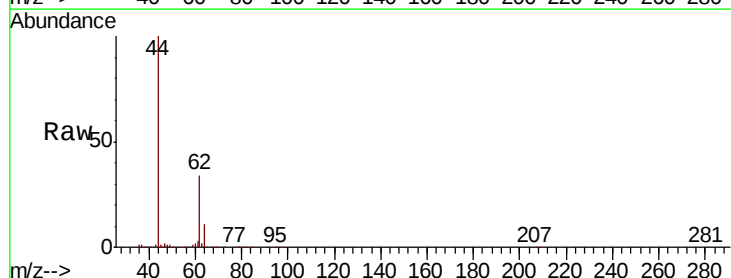
Acq: 18 May 2020 15:27

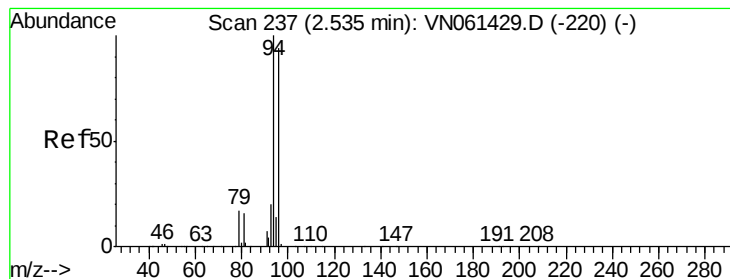
Tgt Ion: 62 Resp: 103594

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 19.314 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Instrument :

MSVOA_N

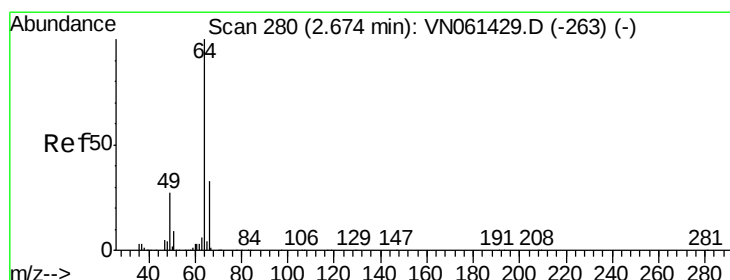
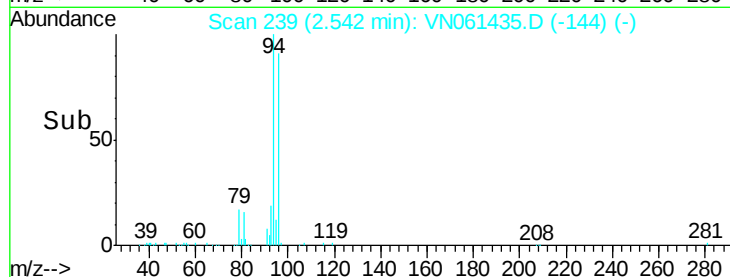
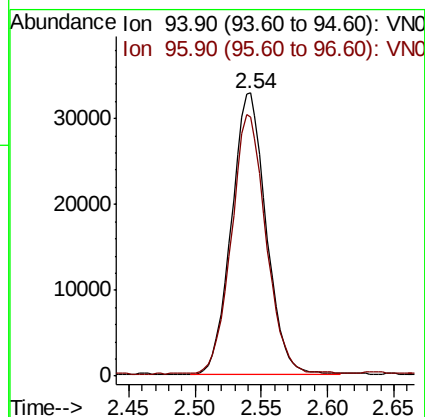
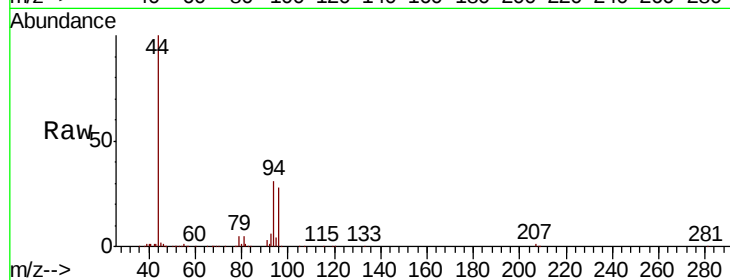
ClientSampleId :

Tot Ion: 94 Resp: 59373

Ion Ratio Lower Upper

94 100

96 91.2 74.9 112.3



#6

Chloroethane

Concen: 19.446 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061435.D

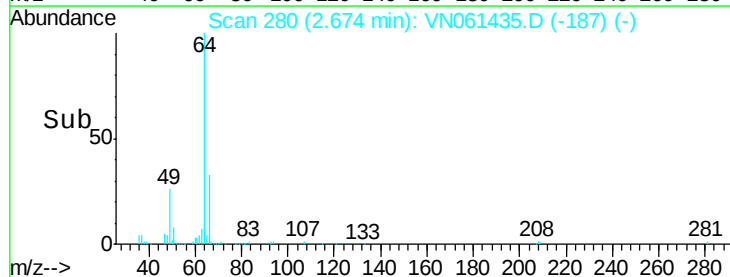
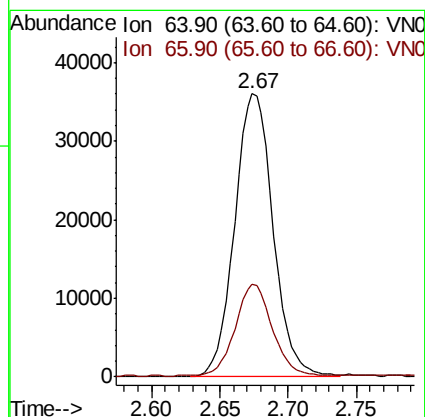
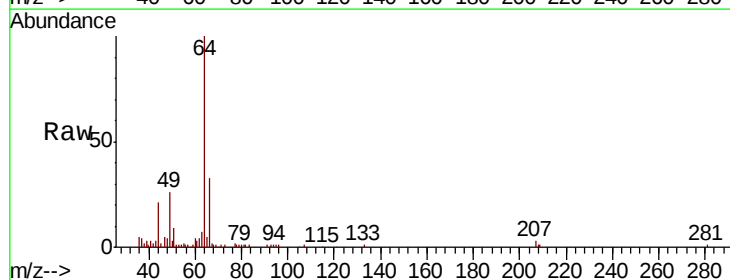
Acq: 18 May 2020 15:27

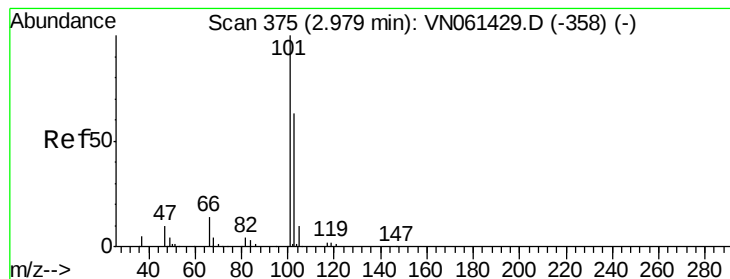
Tgt Ion: 64 Resp: 70612

Ion Ratio Lower Upper

64 100

66 32.2 26.3 39.5



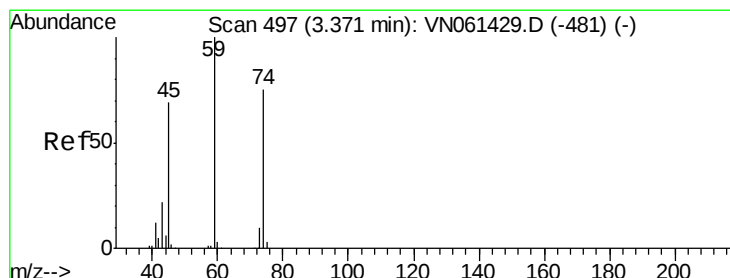
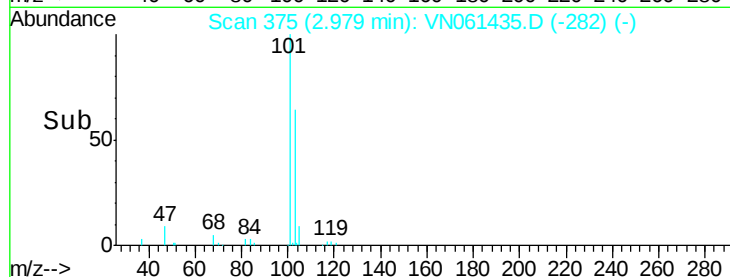
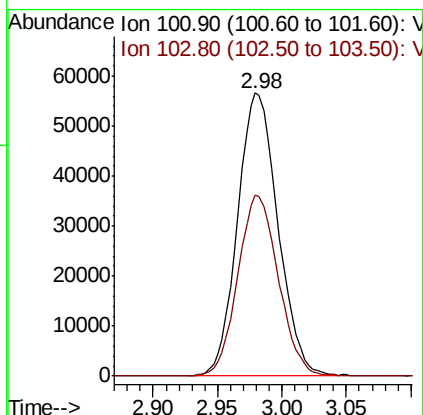
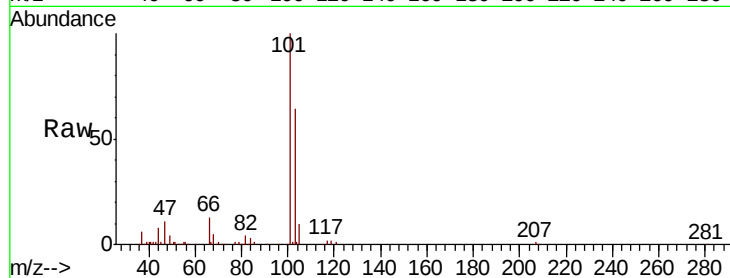


#7

Trichlorofluoromethane
Concen: 18.869 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

Instrument :
MSVOA_N
ClientSampled :

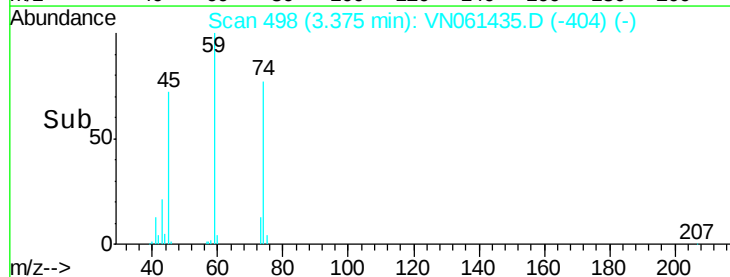
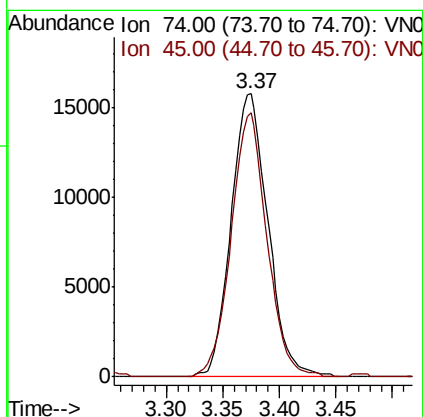
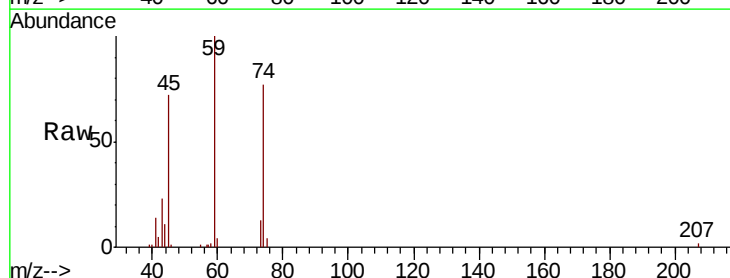
Tot Ion:101 Resp: 123585
Ion Ratio Lower Upper
101 100
103 63.8 50.2 75.4

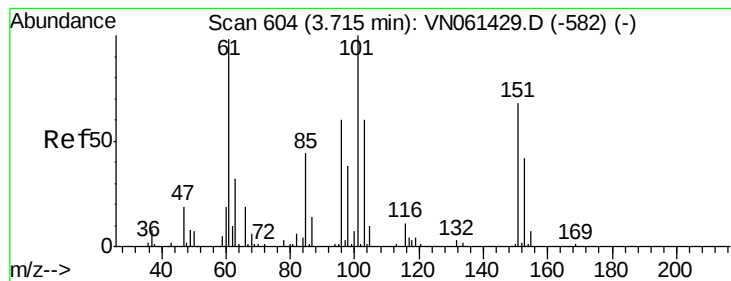


#8

Diethyl Ether
Concen: 18.718 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

Tgt Ion: 74 Resp: 35710
Ion Ratio Lower Upper
74 100
45 90.6 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.596 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Instrument :

MSVOA_N

ClientSampled :

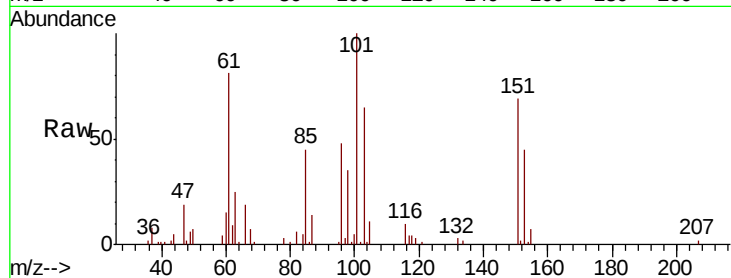
Tot Ion:101 Resp: 53373

Ion Ratio Lower Upper

101 100

85 46.5 36.6 55.0

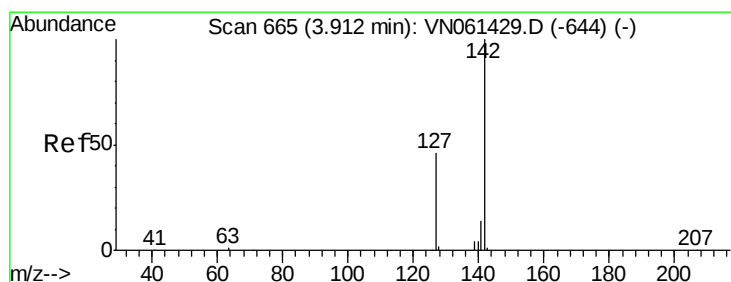
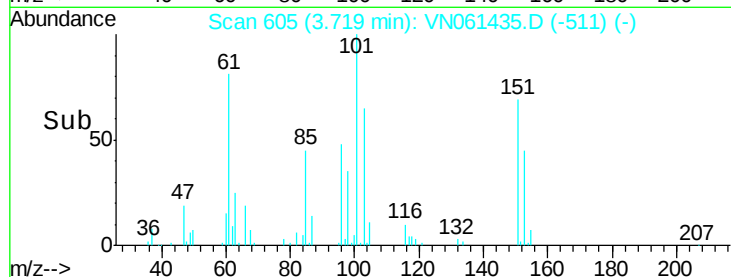
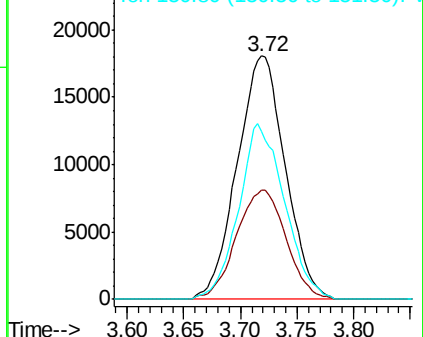
151 68.9 56.3 84.5



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: 20.132 ug/l

RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

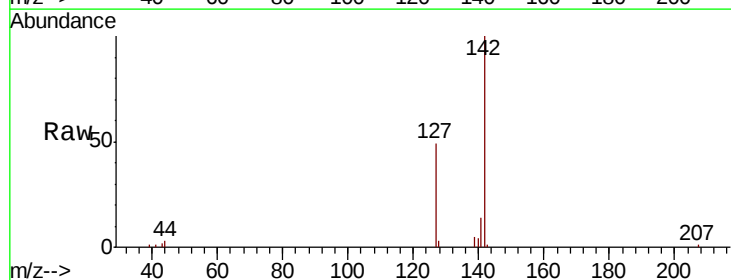
Tgt Ion:142 Resp: 66601

Ion Ratio Lower Upper

142 100

127 46.5 36.7 55.1

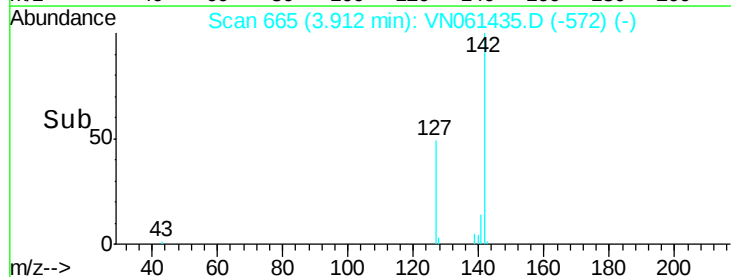
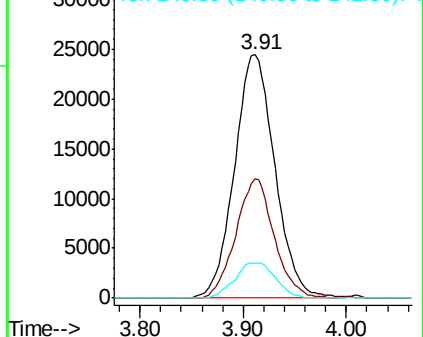
141 14.6 11.5 17.3

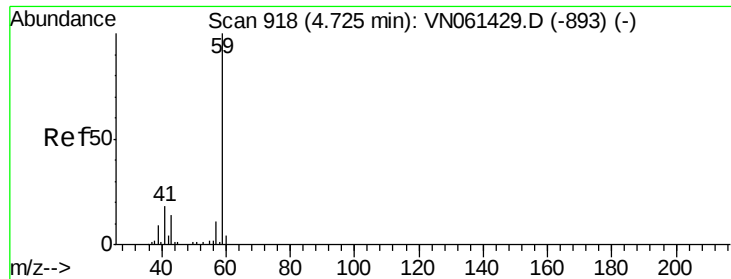


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



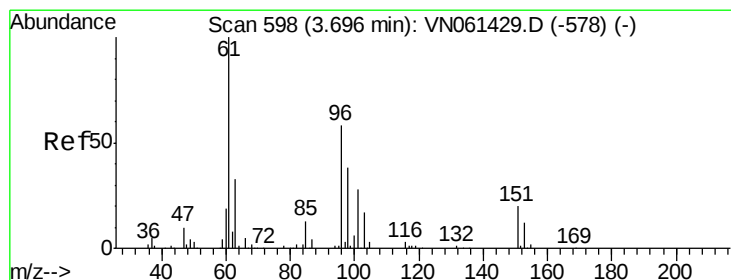
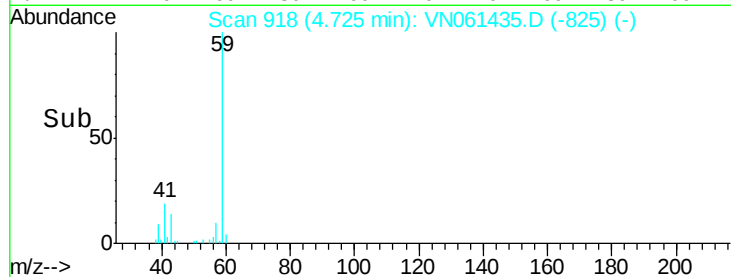
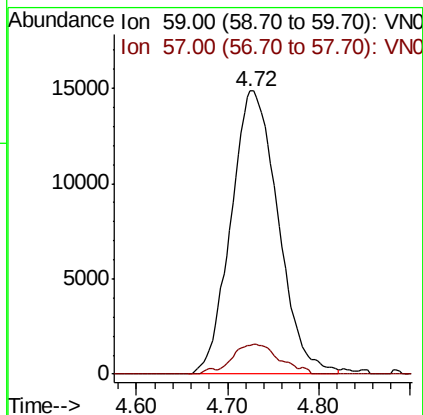
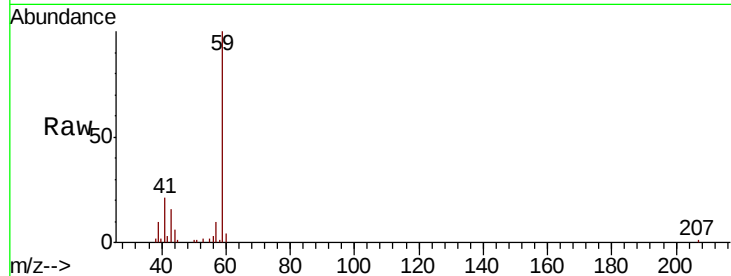


#11

Tert butyl alcohol
 Concen: 111.766 ug/l
 RT: 4.72 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN061435.D
 Acq: 18 May 2020 15:27

Instrument :
 MSVOA_N
 ClientSampled :

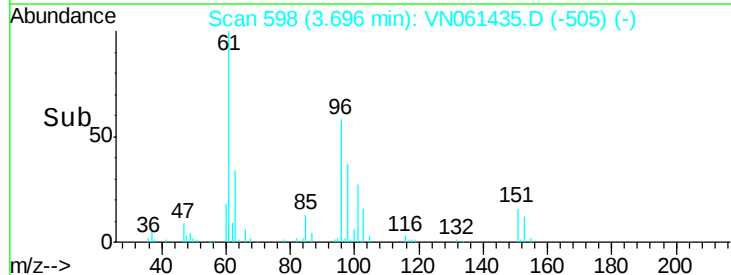
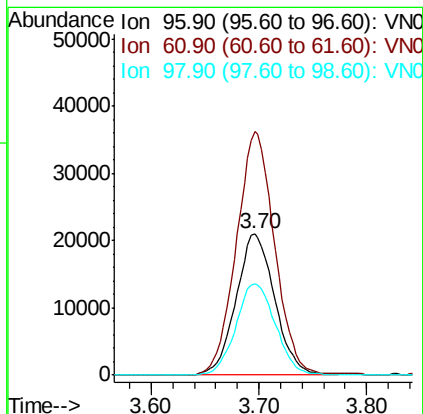
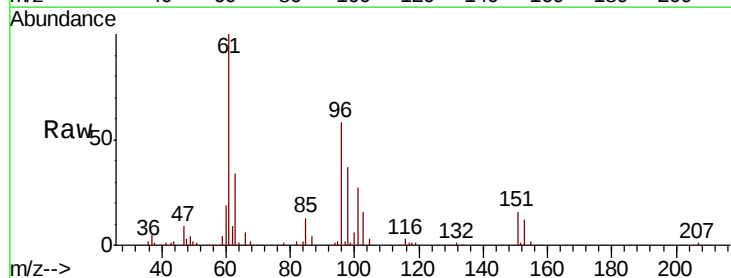
Tot Ion: 59 Resp: 53422
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.2

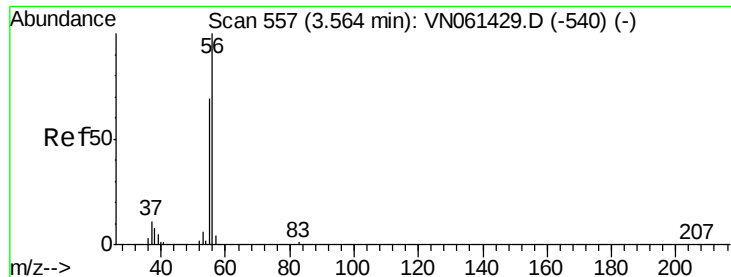


#12

1,1-Dichloroethene
 Concen: 18.428 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VN061435.D
 Acq: 18 May 2020 15:27

Tgt Ion: 96 Resp: 52503
 Ion Ratio Lower Upper
 96 100
 61 171.8 138.7 208.1
 98 64.3 53.0 79.6





#13

Acrolein

Concen: 80.128 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Instrument :

MSVOA_N

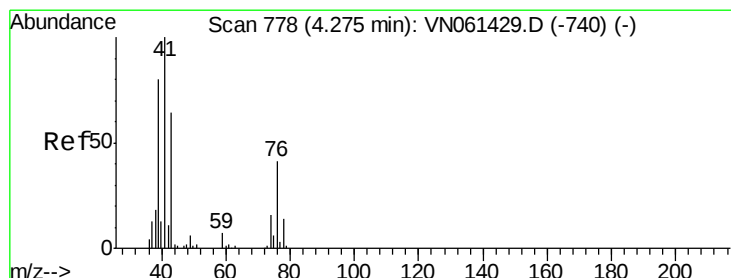
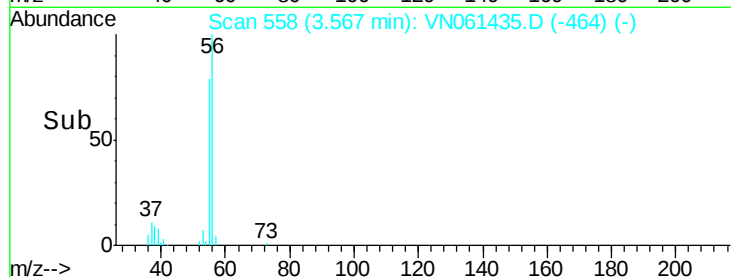
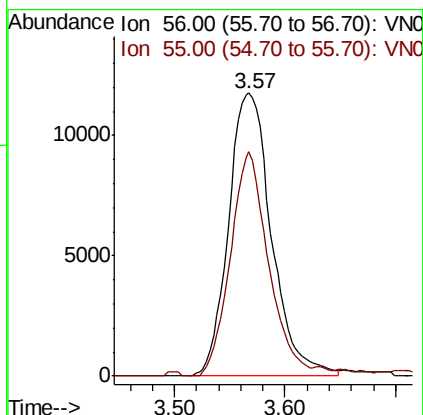
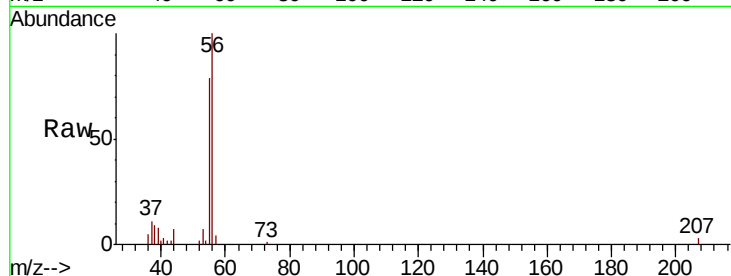
ClientSampled :

Tot Ion: 56 Resp: 31792

Ion Ratio Lower Upper

56 100

55 70.2 54.8 82.2



#14

Allyl chloride

Concen: 18.012 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

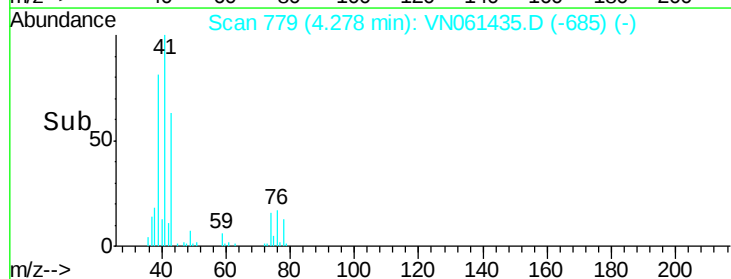
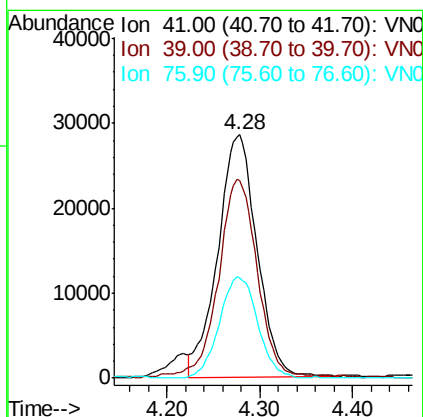
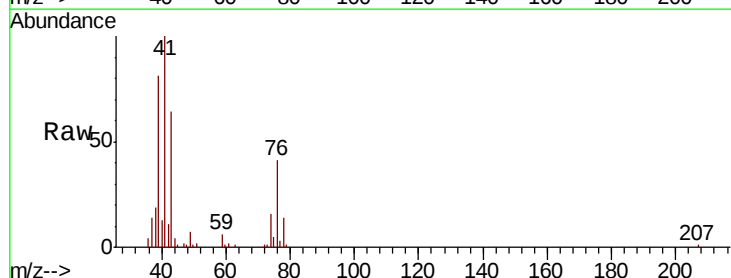
Tgt Ion: 41 Resp: 83515

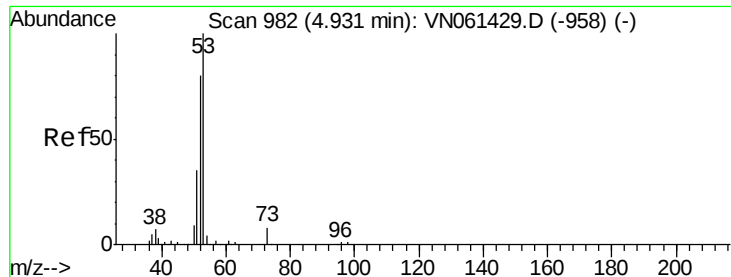
Ion Ratio Lower Upper

41 100

39 82.1 61.2 91.8

76 40.8 29.9 44.9





#15

Acrylonitrile

Concen: 97.268 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Instrument :

MSVOA_N

ClientSampled :

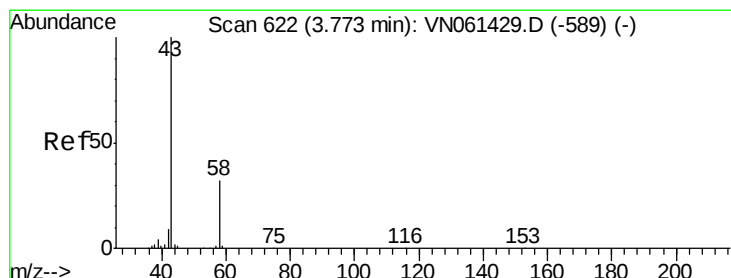
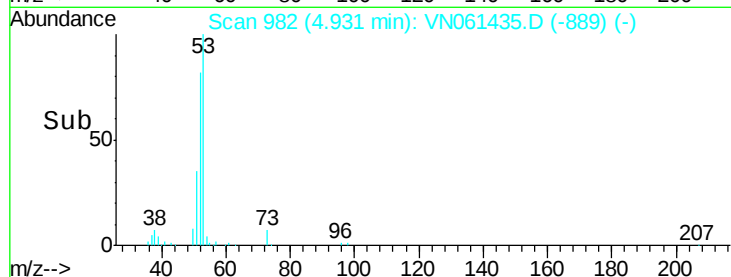
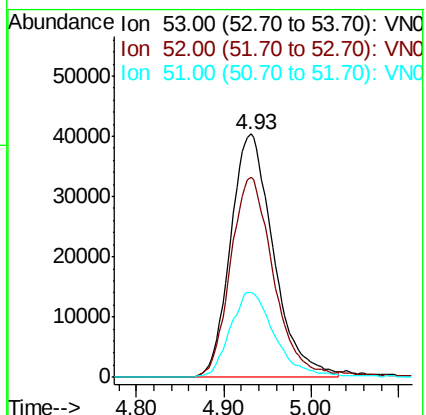
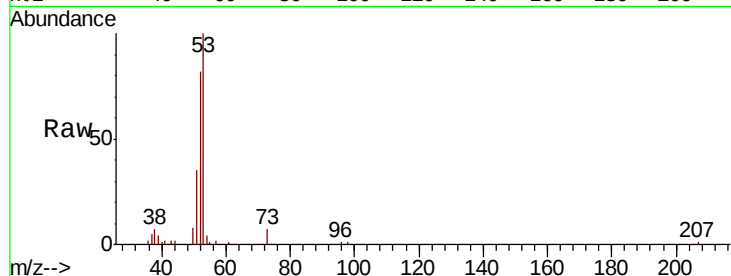
Tot Ion: 53 Resp: 137742

Ion Ratio Lower Upper

53 100

52 81.7 64.7 97.1

51 36.3 29.5 44.3



#16

Acetone

Concen: 100.097 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061435.D

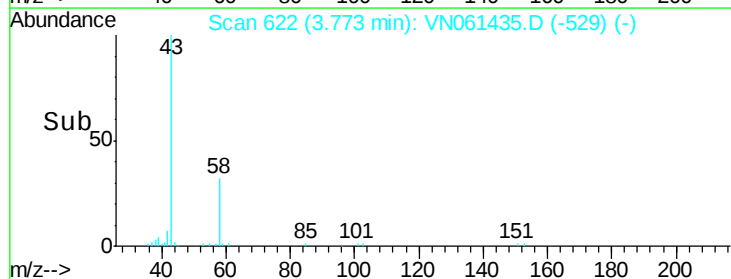
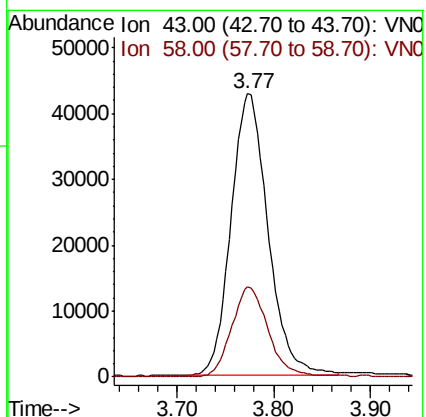
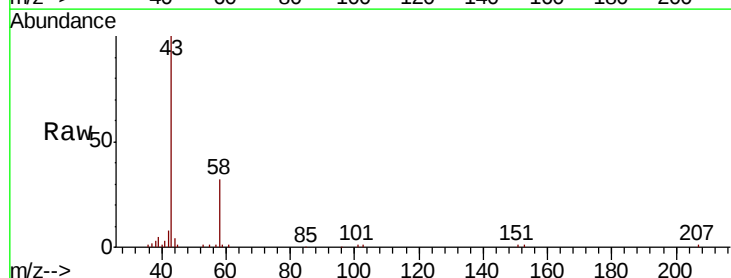
Acq: 18 May 2020 15:27

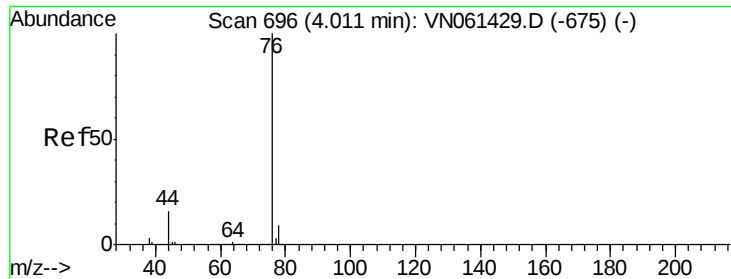
Tgt Ion: 43 Resp: 113510

Ion Ratio Lower Upper

43 100

58 32.0 25.6 38.4

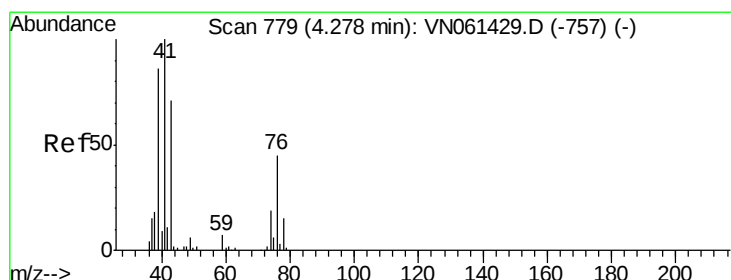
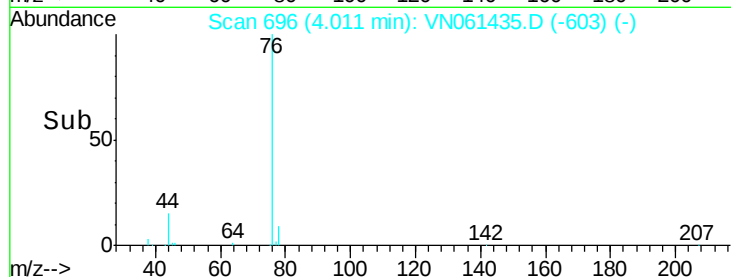
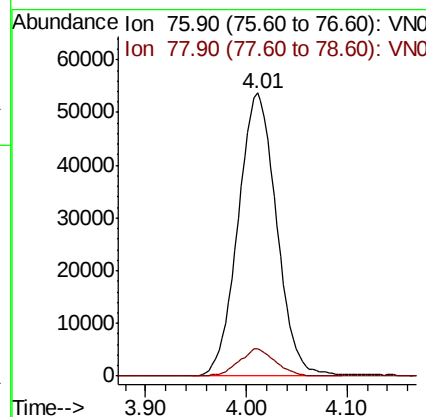
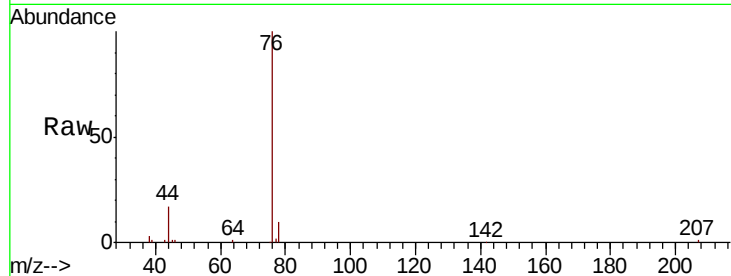




#17
Carbon Disulfide
Concen: 21.417 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

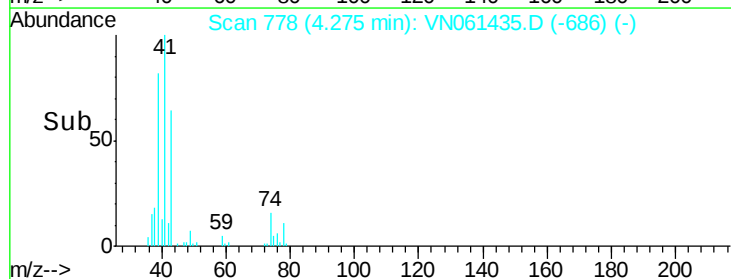
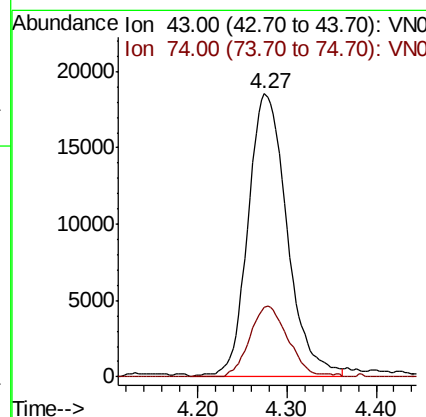
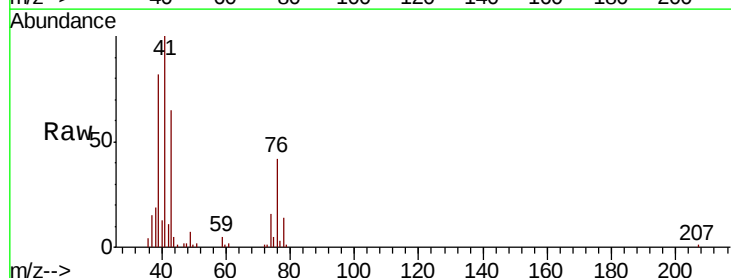
Instrument :
MSVOA_N
ClientSampled :

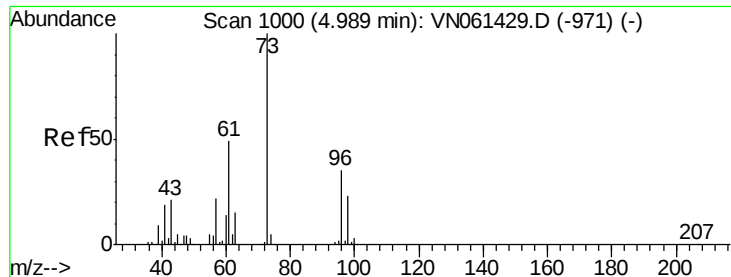
Tot Ion: 76 Resp: 142111
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.0



#18
Methyl Acetate
Concen: 19.232 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

Tgt Ion: 43 Resp: 56588
Ion Ratio Lower Upper
43 100
74 24.5 20.8 31.2

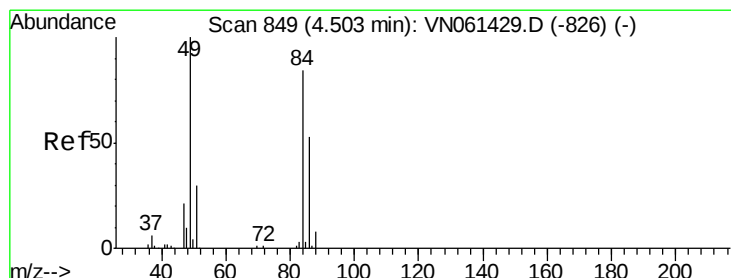
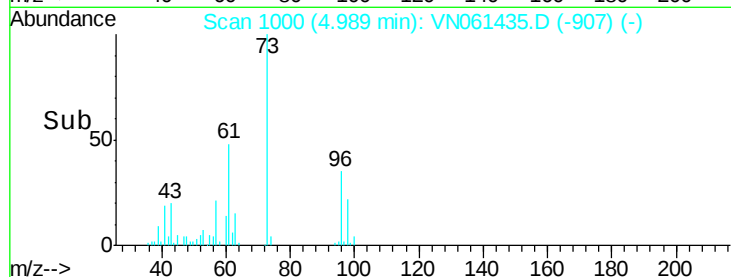
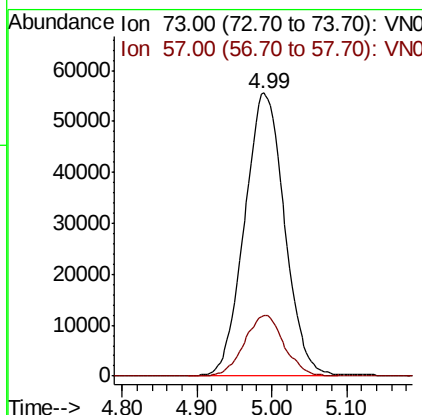
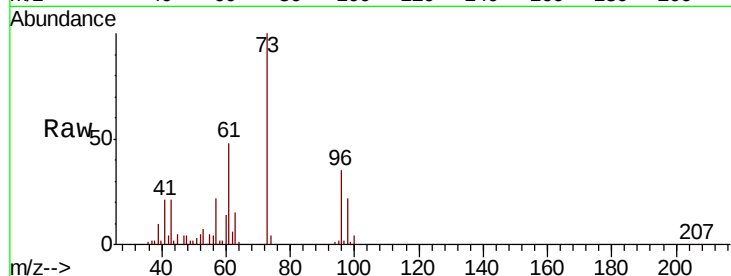




#19
Methvl tert-butvl Ether
Concen: 19.139 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

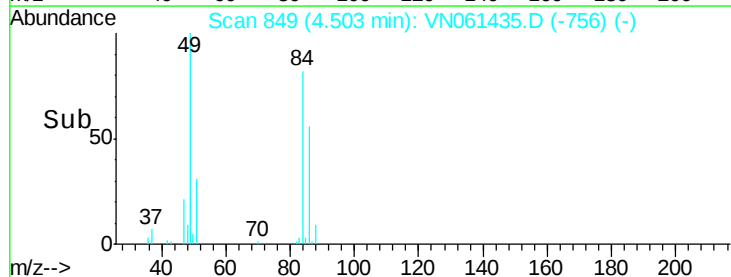
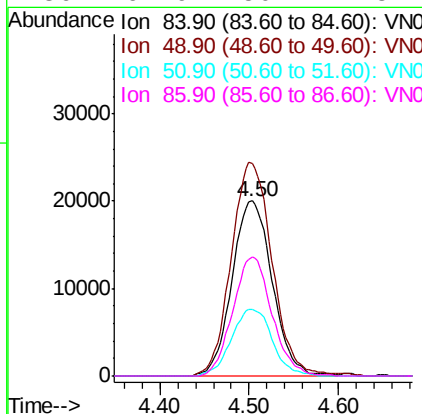
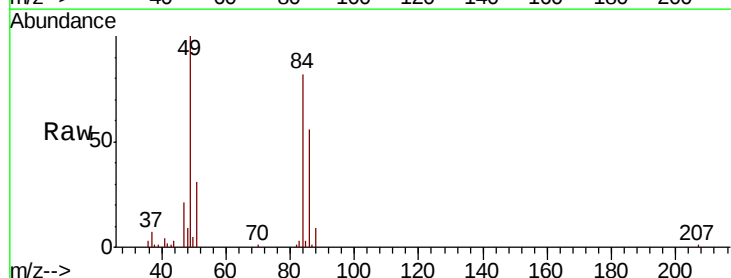
Instrument :
MSVOA_N
ClientSampleId :

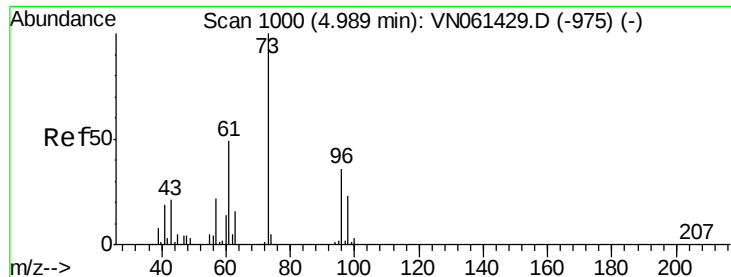
Tot Ion: 73 Resp: 206932
Ion Ratio Lower Upper
73 100
57 21.5 17.4 26.0



#20
Methylene Chloride
Concen: 18.374 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

Tgt Ion: 84 Resp: 62641
Ion Ratio Lower Upper
84 100
49 121.5 95.3 142.9
51 38.1 29.0 43.6
86 67.9 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 18.605 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Instrument :

MSVOA_N

ClientSampleId :

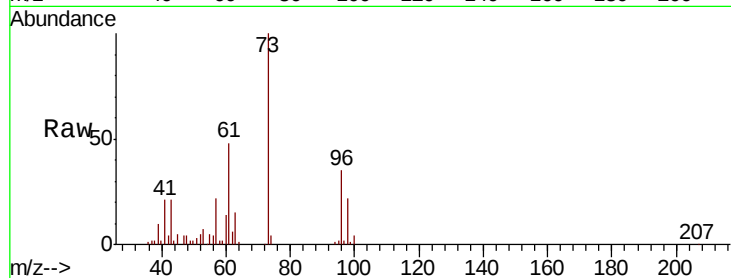
Tot Ion: 96 Resp: 61124

Ion Ratio Lower Upper

96 100

61 135.4 109.8 164.6

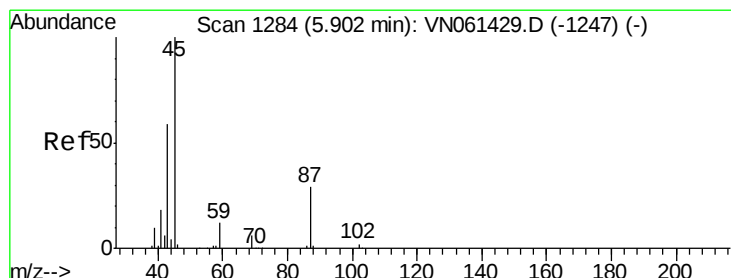
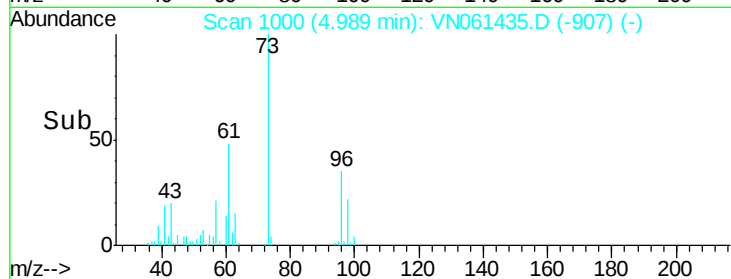
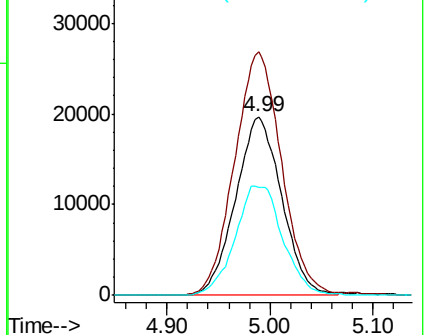
98 60.6 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VN061429.D (-975) (-)

Ion 60.90 (60.60 to 61.60): VN061429.D (-975) (-)

Ion 97.90 (97.60 to 98.60): VN061429.D (-975) (-)



#22

Diisopropyl ether

Concen: 19.307 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Tgt Ion: 45 Resp: 201162

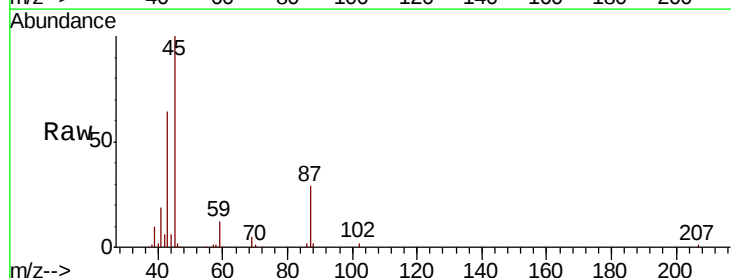
Ion Ratio Lower Upper

45 100

43 61.4 47.9 71.9

87 28.3 24.0 36.0

59 12.4 9.7 14.5

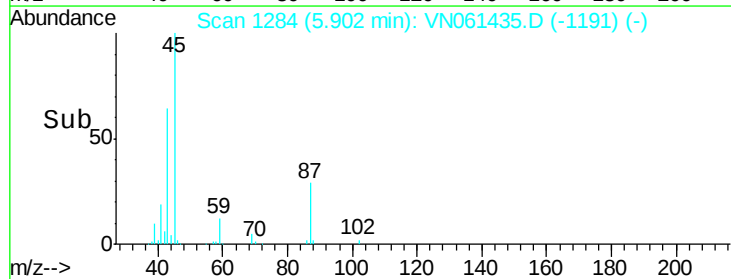
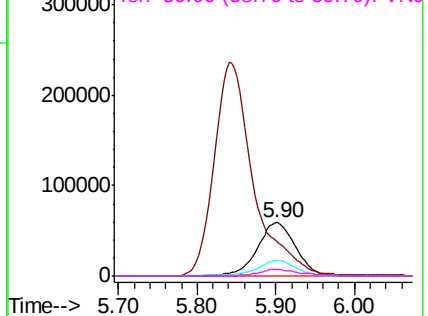


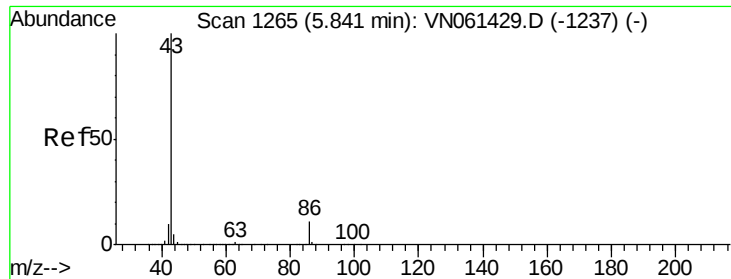
Abundance Ion 45.00 (44.70 to 45.70): VN061429.D (-1247) (-)

Ion 43.00 (42.70 to 43.70): VN061429.D (-1247) (-)

Ion 87.00 (86.70 to 87.70): VN061429.D (-1247) (-)

Ion 59.00 (58.70 to 59.70): VN061429.D (-1247) (-)





#23

Vinyl Acetate

Concen: 98.467 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Instrument :

MSVOA_N

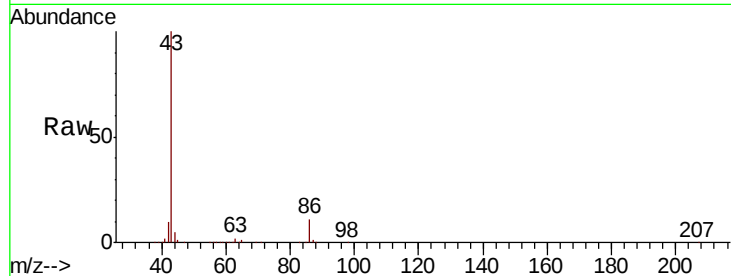
ClientSampled :

Tot Ion: 43 Resp: 815851

Ion Ratio Lower Upper

43 100

86 11.1 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN061435.D (-1172) (-)

Ion 86.00 (85.70 to 86.70): VN061435.D (-1172) (-)

5.84

250000

200000

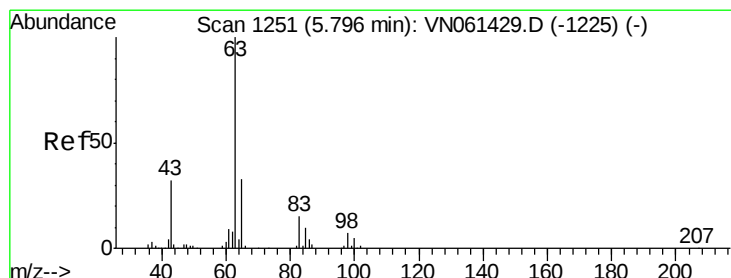
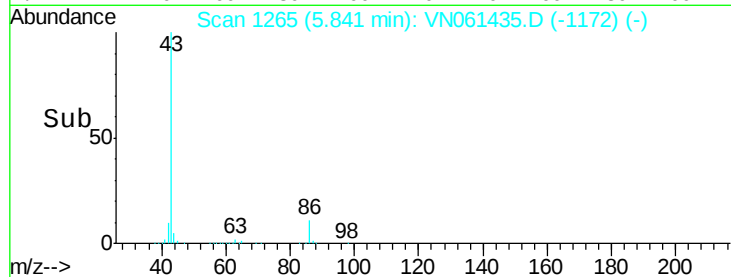
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.260 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

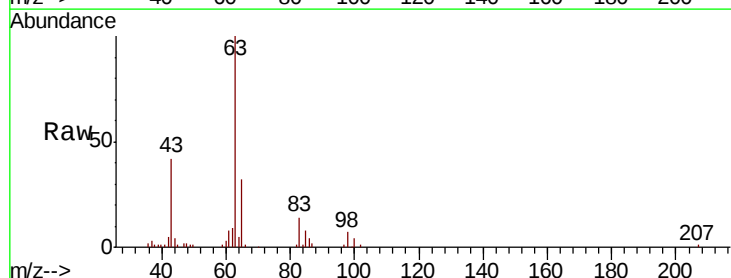
Tgt Ion: 63 Resp: 117050

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

100 4.1 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VN061435.D (-1158) (-)

Ion 97.90 (97.60 to 98.60): VN061435.D (-1158) (-)

Ion 99.90 (99.60 to 100.60): VN061435.D (-1158) (-)

5.80

50000

40000

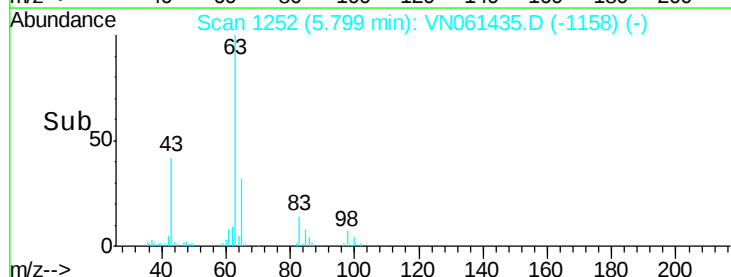
30000

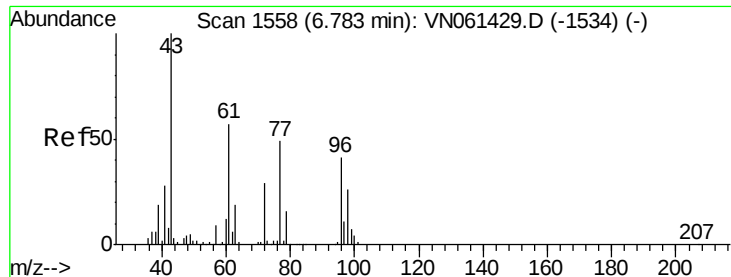
20000

10000

0

Time-->

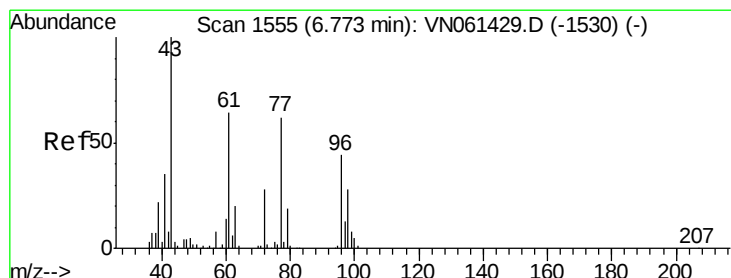
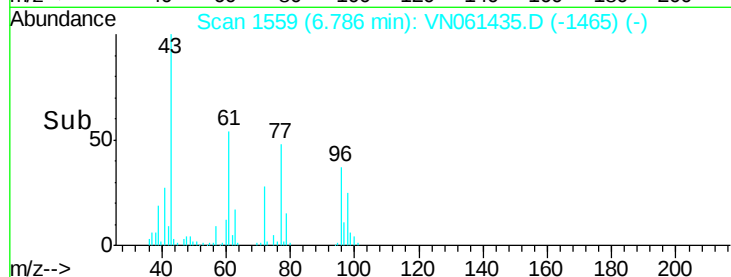
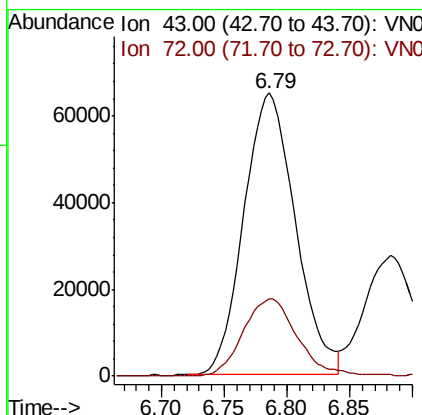
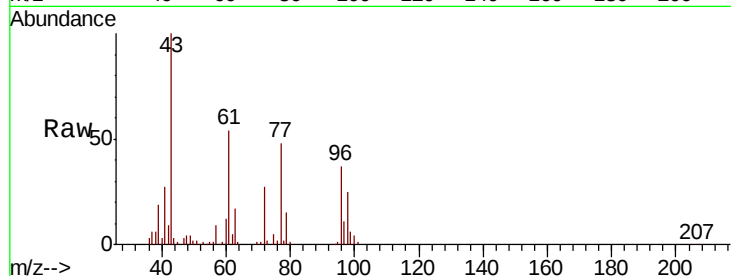




#25
2-Butanone
Concen: 98.542 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

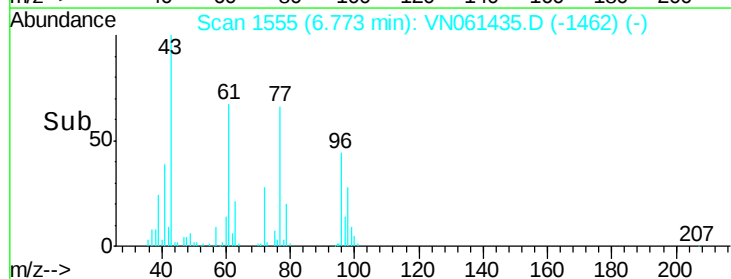
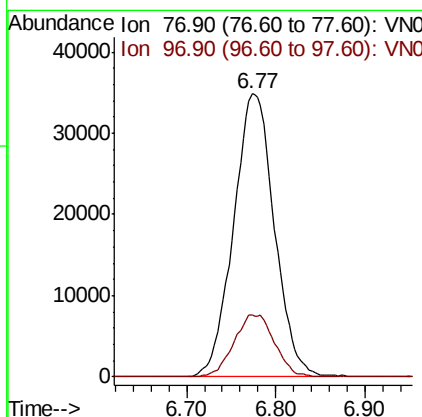
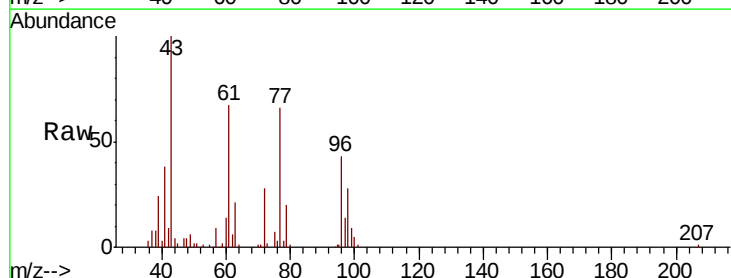
Instrument :
MSVOA_N
ClientSampled :

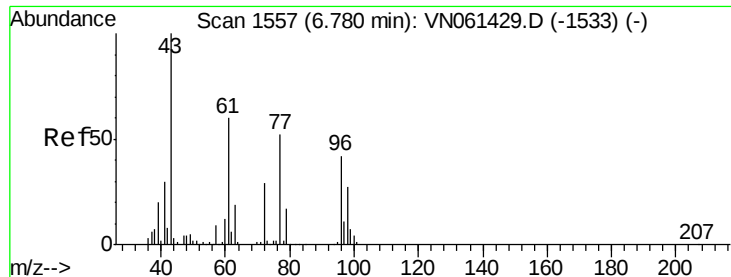
Tot Ion: 43 Resp: 186123
Ion Ratio Lower Upper
43 100
72 27.6 23.0 34.6



#26
2,2-Dichloropropane
Concen: 19.129 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

Tgt Ion: 77 Resp: 110825
Ion Ratio Lower Upper
77 100
97 21.8 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 18.755 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Instrument :
MSVOA_N
ClientSampled :

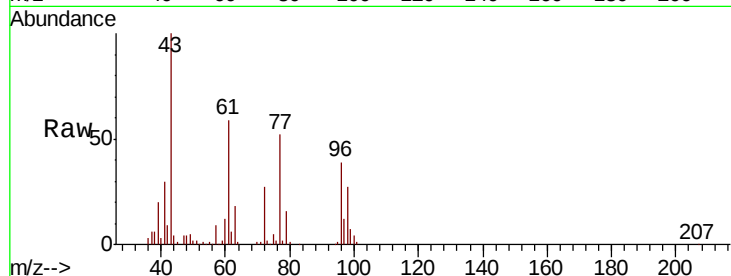
Tot Ion: 96 Resp: 72784

Ion Ratio Lower Upper

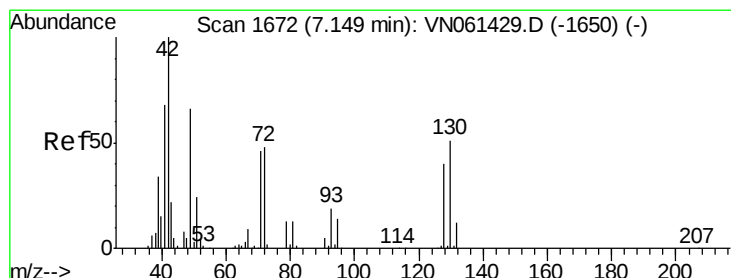
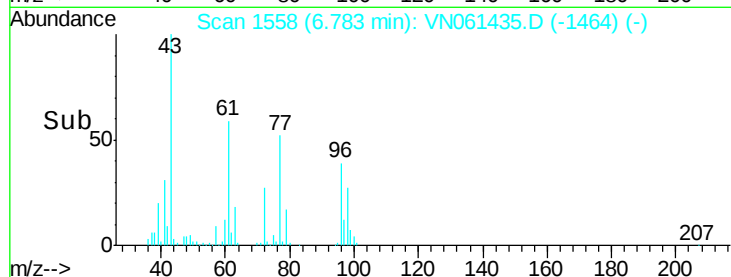
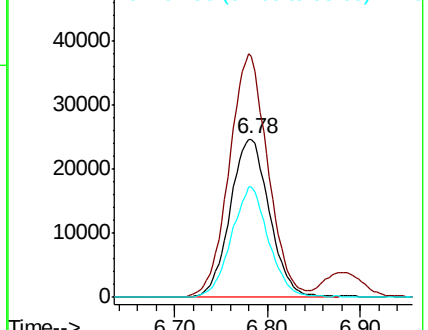
96 100

61 151.2 0.0 294.2

98 66.0 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: 21.093 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

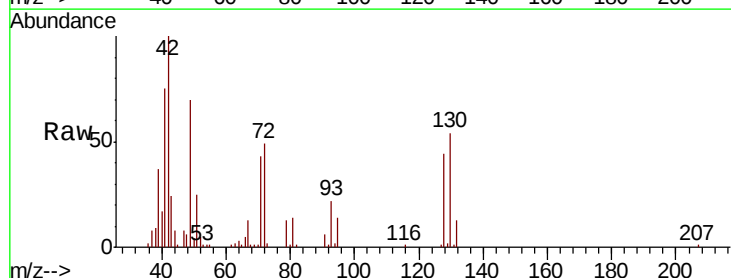
Tgt Ion: 49 Resp: 54411

Ion Ratio Lower Upper

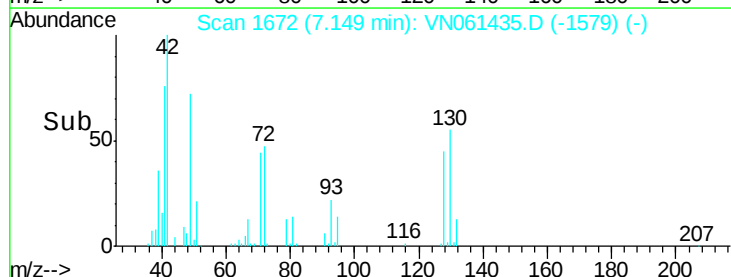
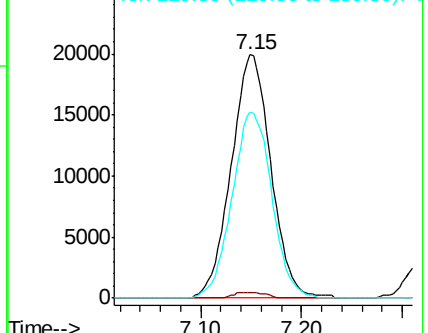
49 100

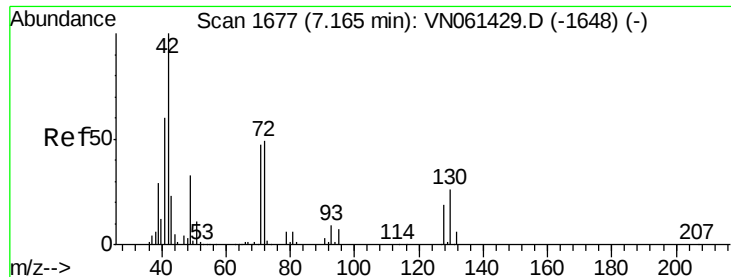
129 1.9 0.0 4.6

130 76.4 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

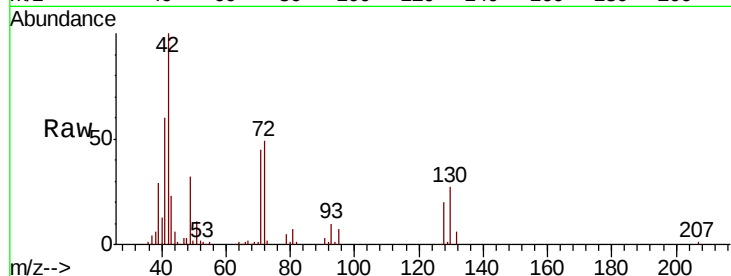




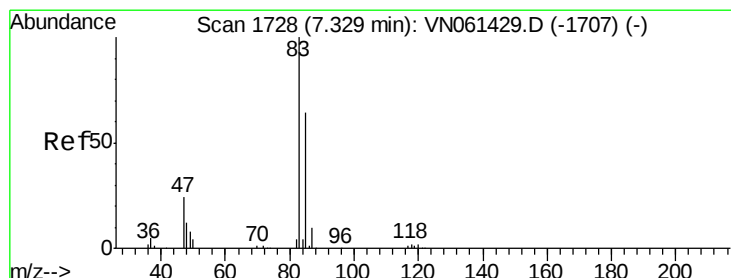
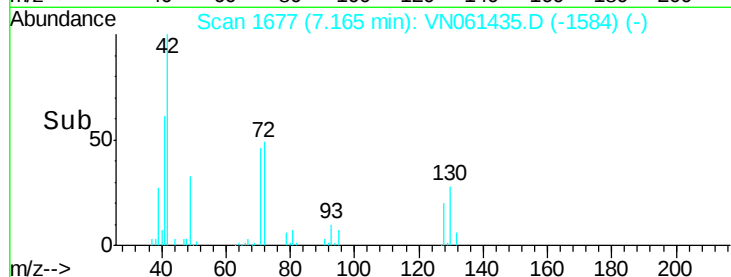
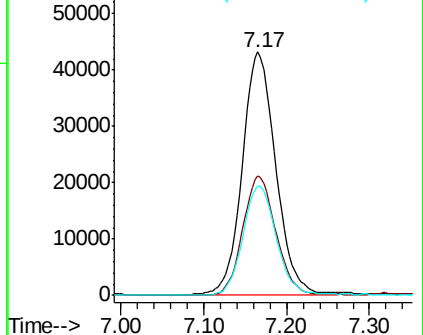
#29
Tetrahydrofuran
Concen: 97.590 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 122073
Ion Ratio Lower Upper
42 100
72 48.0 39.0 58.6
71 44.7 36.9 55.3

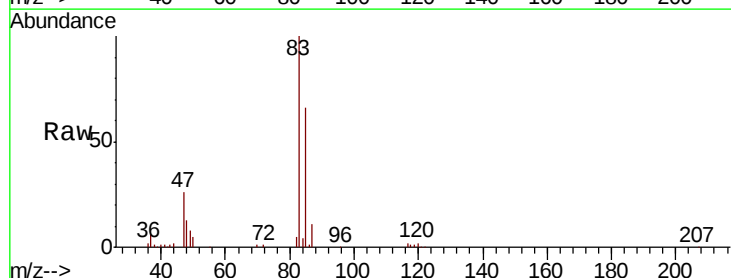


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

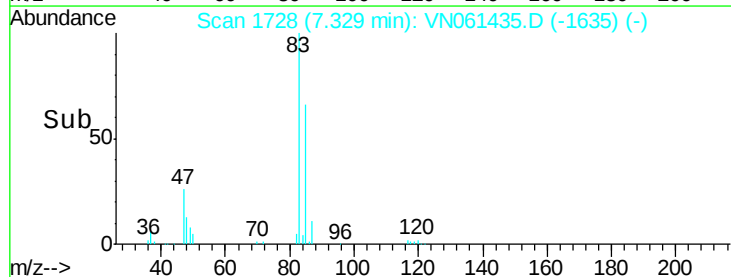
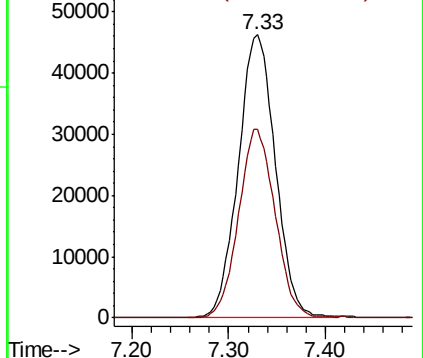


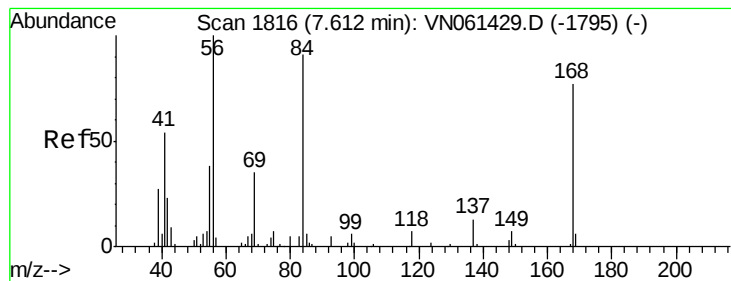
#30
Chloroform
Concen: 19.446 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

Tgt Ion: 83 Resp: 123432
Ion Ratio Lower Upper
83 100
85 66.5 51.0 76.4



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





#31

Cyclohexane

Concen: 18.511 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Instrument :
MSVOA_N
ClientSampled :

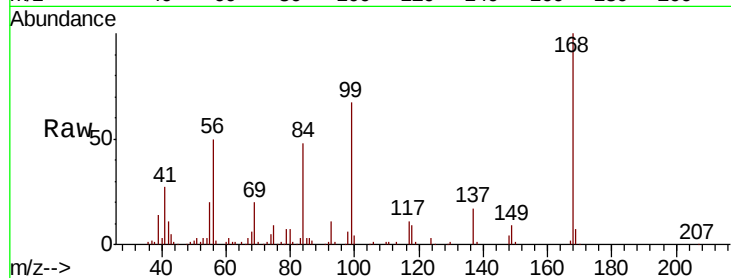
Tot Ion: 56 Resp: 109047

Ion Ratio Lower Upper

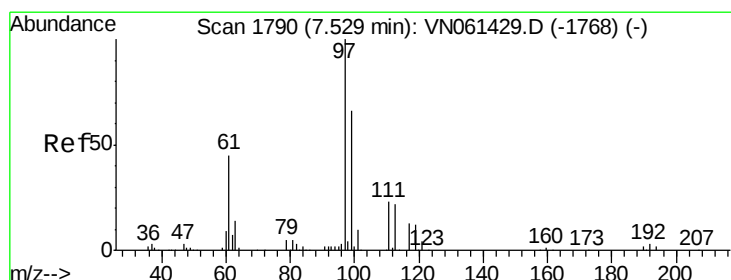
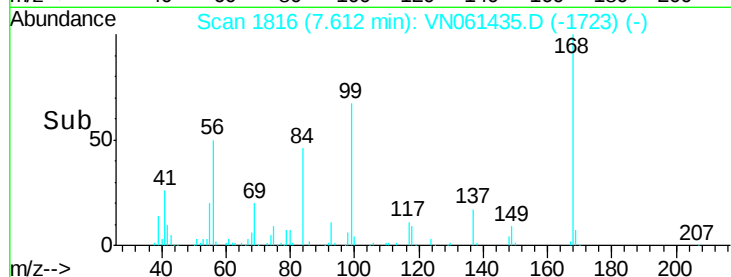
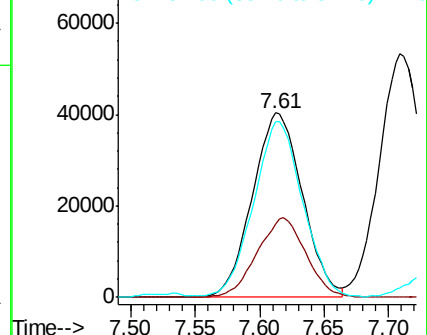
56 100

69 40.0 27.8 41.6

84 94.4 72.7 109.1



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



#32

1,1,1-Trichloroethane

Concen: 19.280 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

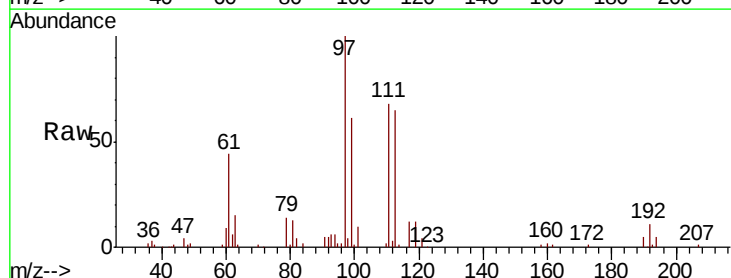
Tgt Ion: 97 Resp: 111832

Ion Ratio Lower Upper

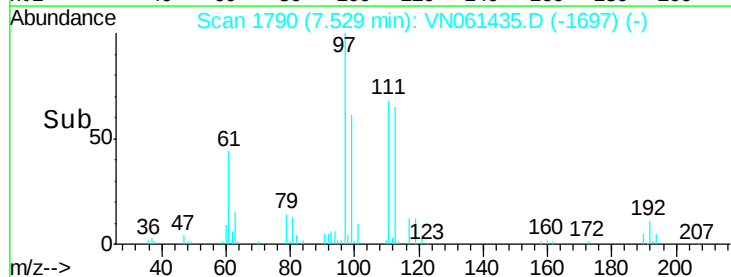
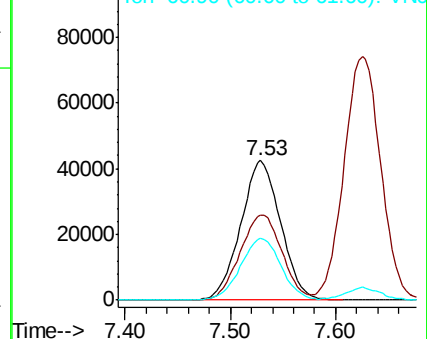
97 100

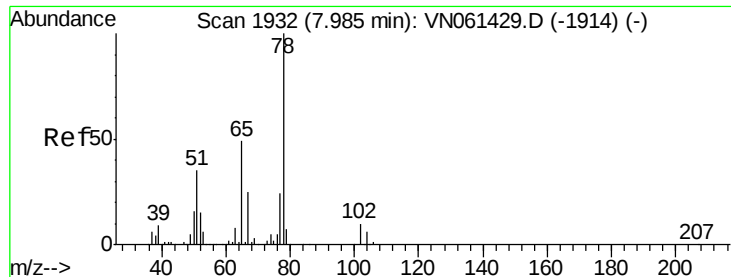
99 64.0 51.5 77.3

61 44.9 35.8 53.6



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

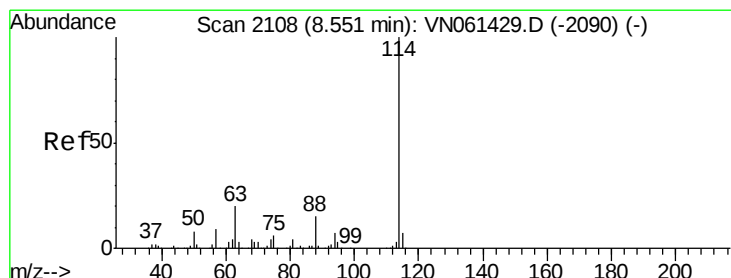
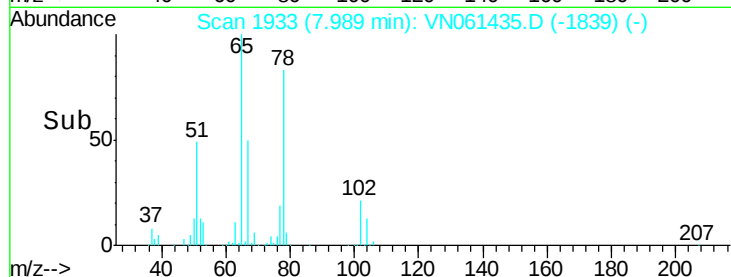
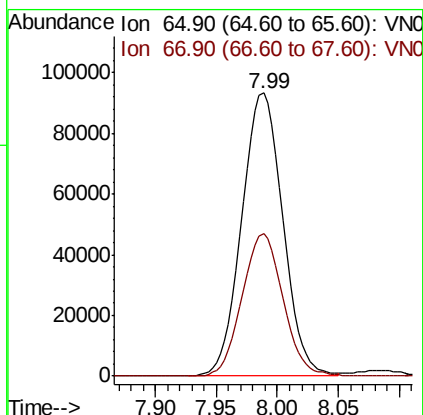
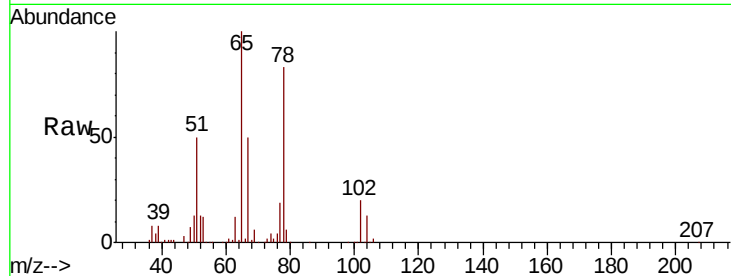




#33
 1,2-Dichloroethane-d4
 Concen: 52.507 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061435.D
 Acq: 18 May 2020 15:27

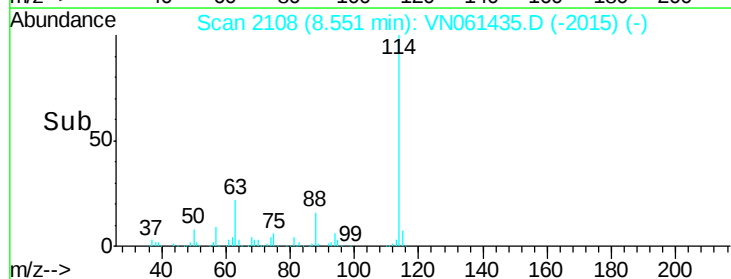
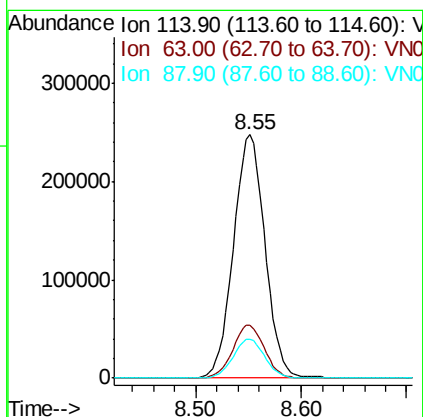
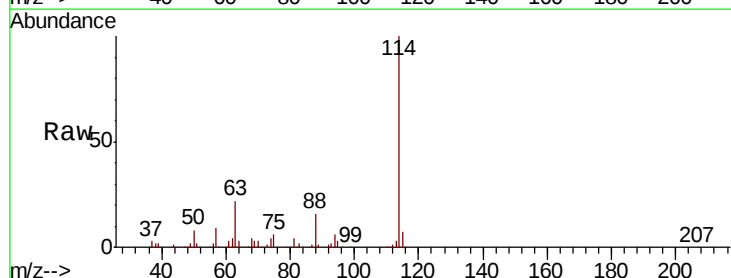
Instrument :
 MSVOA_N
 ClientSampled :

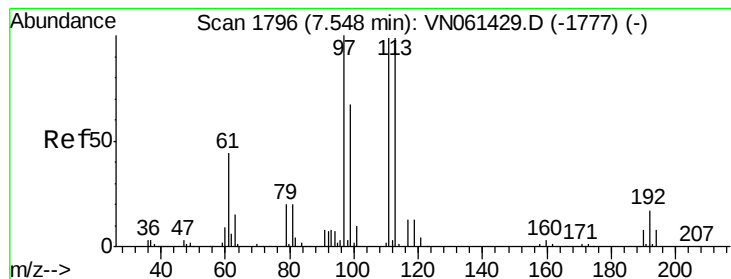
Tot Ion: 65 Resp: 217816
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061435.D
 Acq: 18 May 2020 15:27

Tgt Ion: 114 Resp: 512631
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 40.8
 88 16.0 0.0 30.8





#35

Dibromofluoromethane

Concen: 55.601 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Instrument :
MSVOA_N
ClientSampleId :

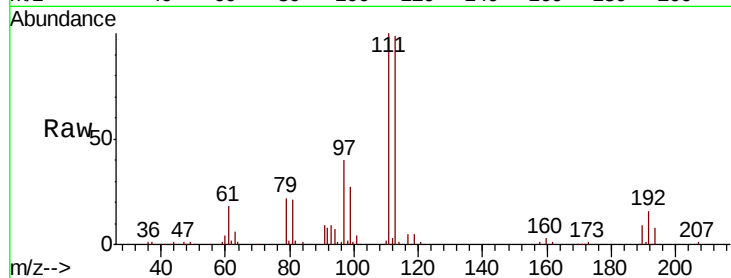
Tot Ion:113 Resp: 149317

Ion Ratio Lower Upper

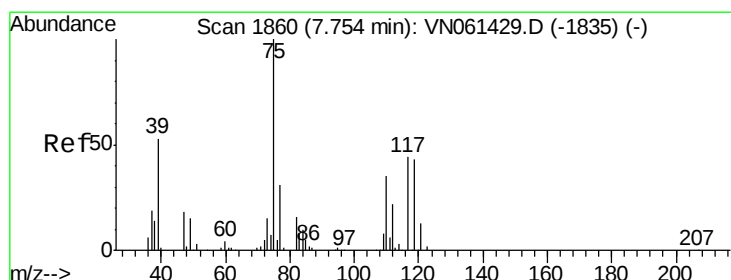
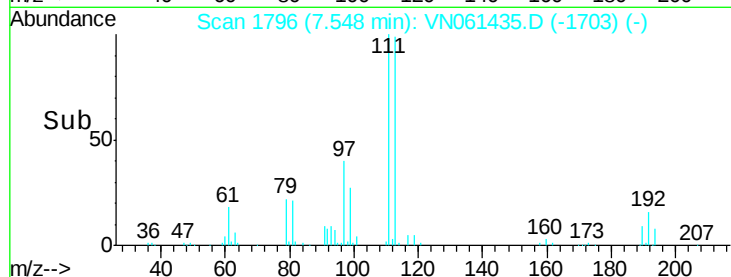
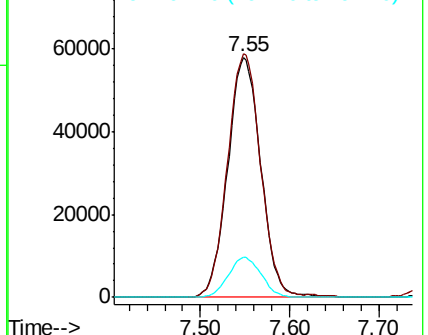
113 100

111 101.0 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: 18.949 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

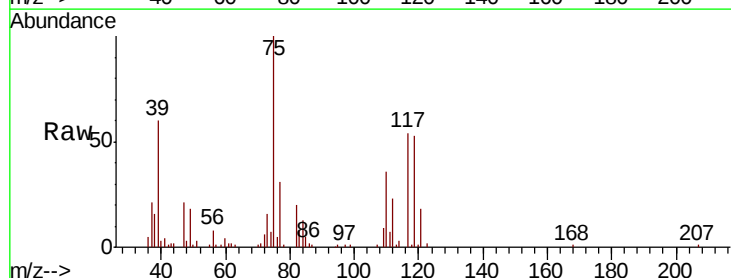
Tgt Ion: 75 Resp: 90829

Ion Ratio Lower Upper

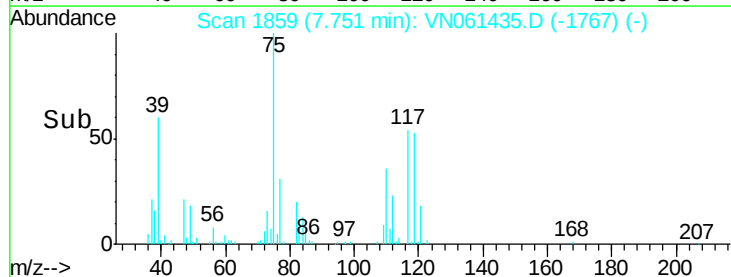
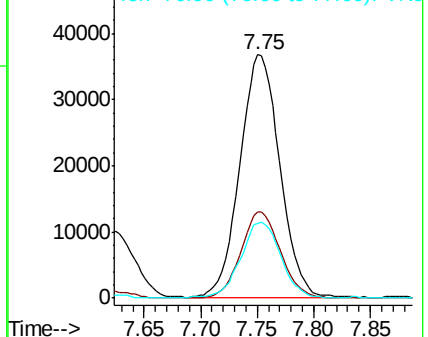
75 100

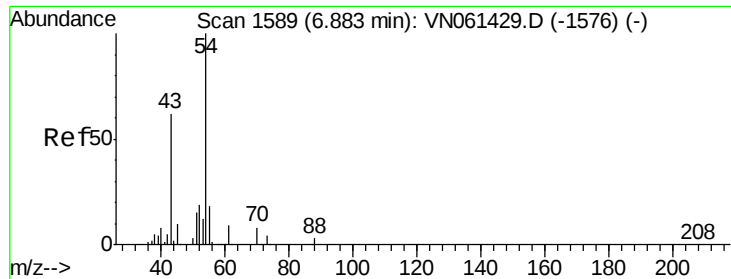
110 34.9 17.3 51.9

77 31.3 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

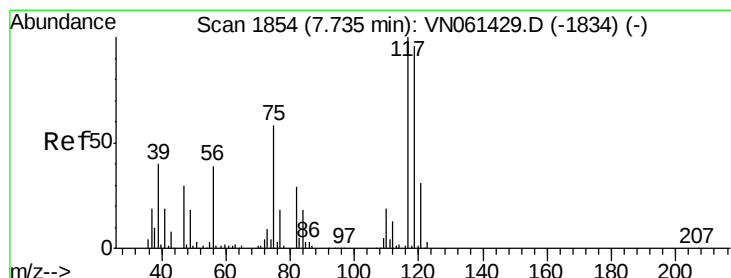
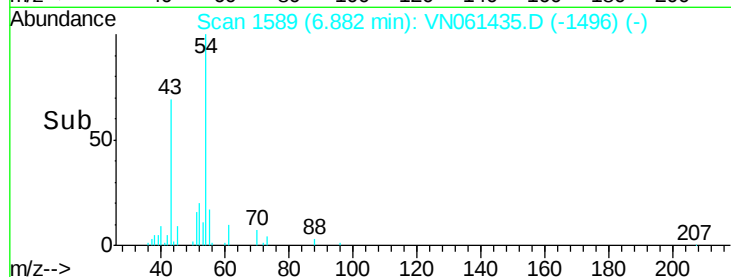
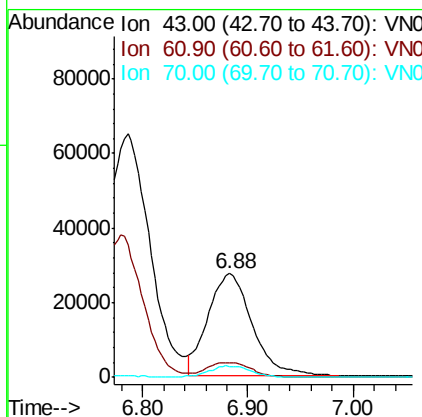
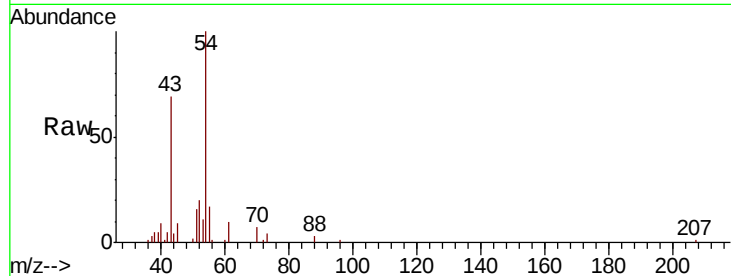




#37
Ethyl Acetate
Concen: 18.281 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

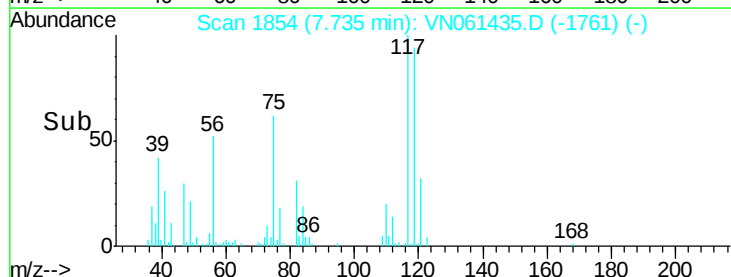
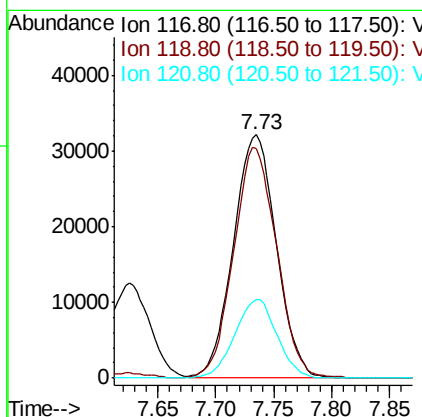
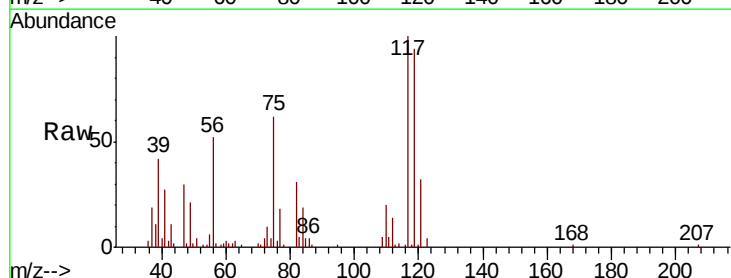
Instrument :
MSVOA_N
ClientSampleId :

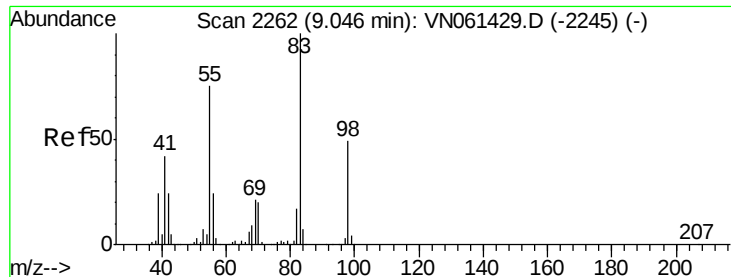
Tot Ion: 43 Resp: 79467
Ion Ratio Lower Upper
43 100
61 15.0 11.7 17.5
70 10.7 9.2 13.8



#38
Carbon Tetrachloride
Concen: 18.757 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

Tgt Ion: 117 Resp: 82787
Ion Ratio Lower Upper
117 100
119 93.6 77.0 115.6
121 32.0 24.7 37.1

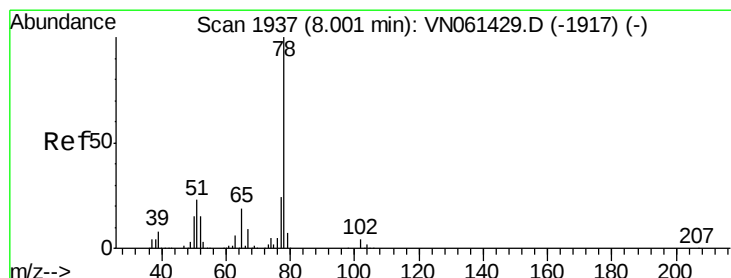
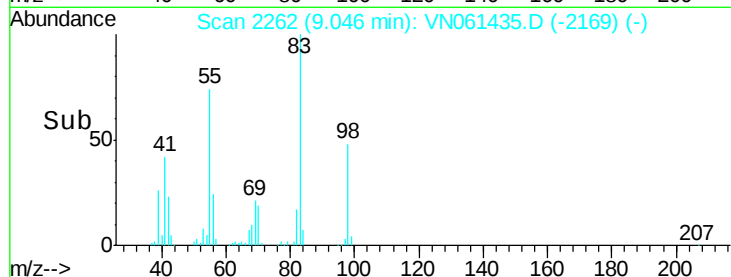
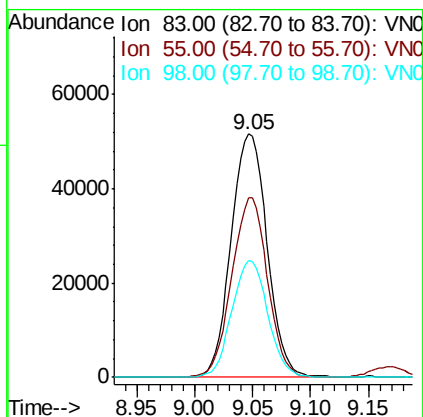
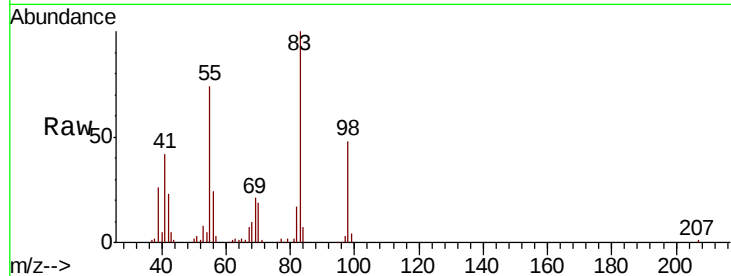




#39
Methvlcvclohexane
Concen: 19.054 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

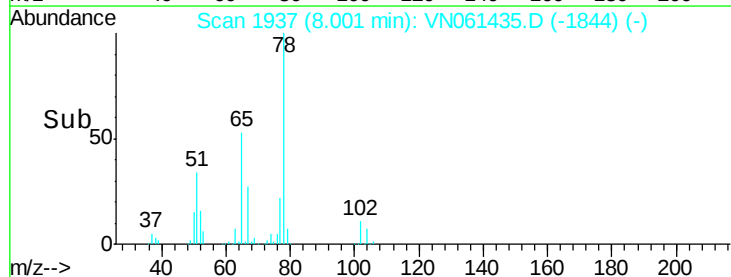
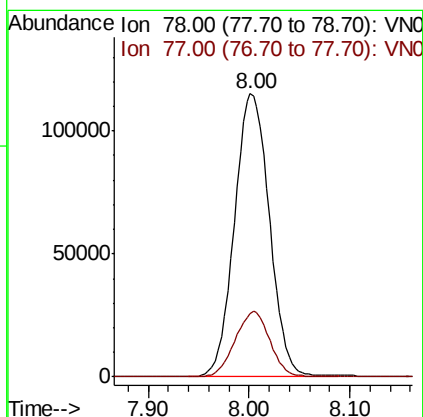
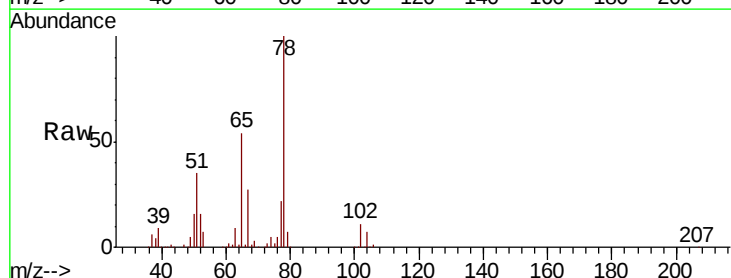
Instrument :
MSVOA_N
ClientSampleId :

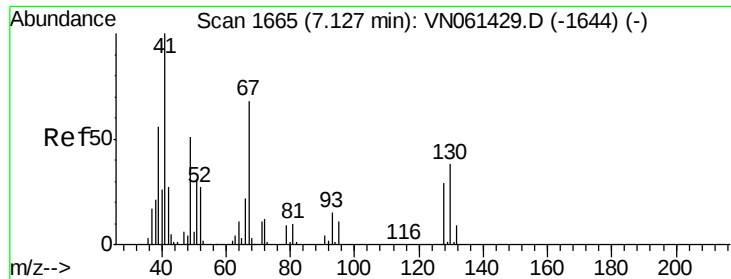
Tot Ion: 83 Resp: 111555
Ion Ratio Lower Upper
83 100
55 73.6 59.7 89.5
98 48.0 38.9 58.3



#40
Benzene
Concen: 19.183 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

Tgt Ion: 78 Resp: 277100
Ion Ratio Lower Upper
78 100
77 22.5 19.1 28.7

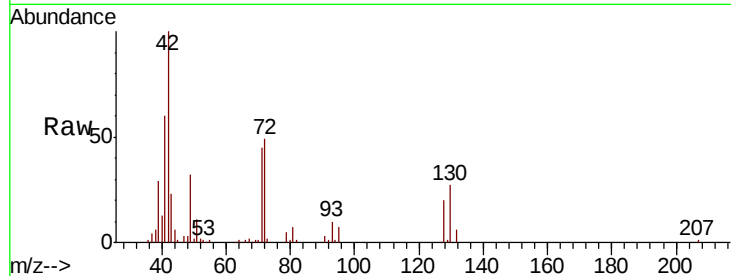




#41
Methacrylonitrile
Concen: 62.949 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.04 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.3	72.5#
67	0.0	74.2	111.4#
52	0.0	30.8	46.2#



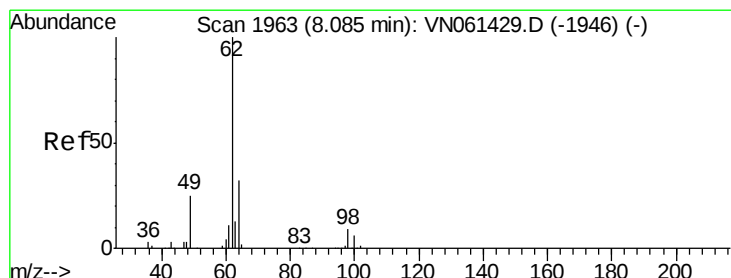
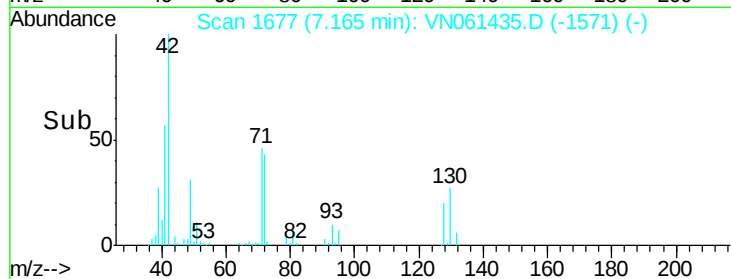
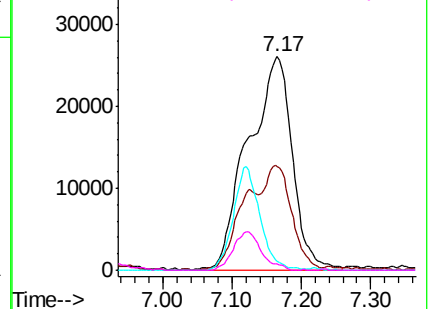
Abundance

Ion 41.00 (40.70 to 41.70): VN061429.D (-1644) (-)

Ion 39.00 (38.70 to 39.70): VN061429.D (-1644) (-)

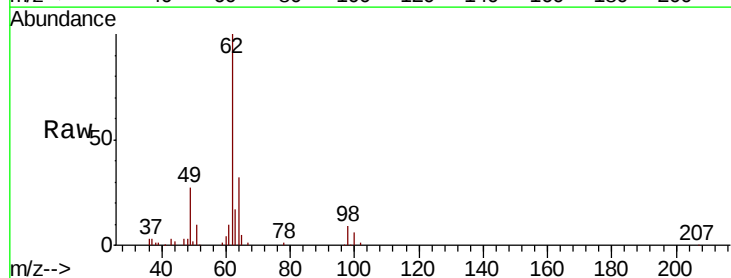
Ion 67.00 (66.70 to 67.70): VN061429.D (-1644) (-)

Ion 52.00 (51.70 to 52.70): VN061429.D (-1644) (-)



#42
1,2-Dichloroethane
Concen: 19.022 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

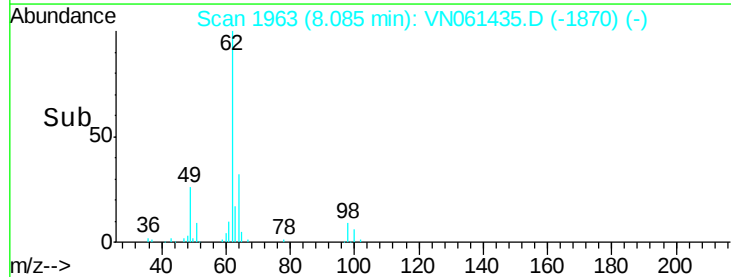
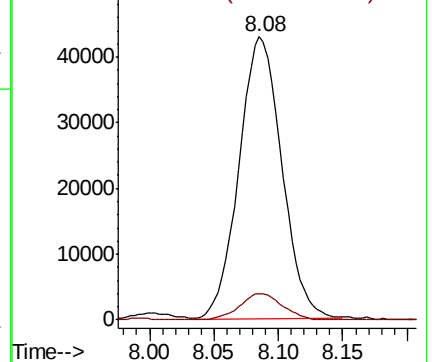
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4



Abundance

Ion 61.90 (61.60 to 62.60): VN061429.D (-1946) (-)

Ion 97.90 (97.60 to 98.60): VN061429.D (-1946) (-)

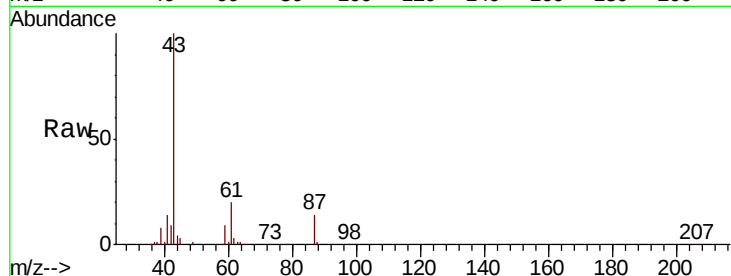




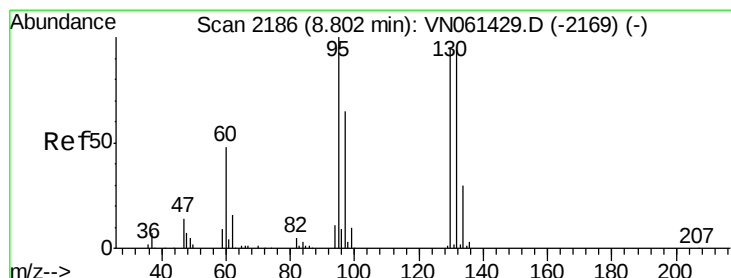
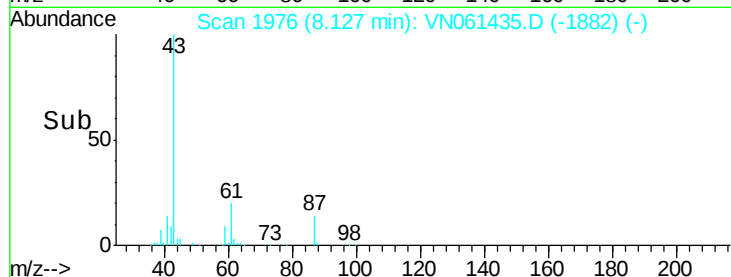
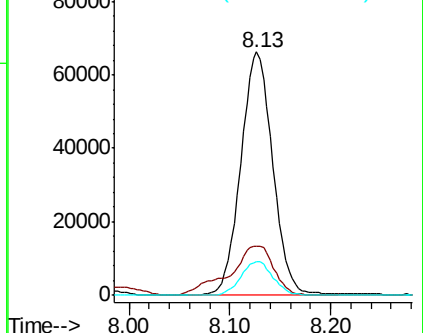
#43
Isopropyl Acetate
Concen: 19.205 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 145605
Ion Ratio Lower Upper
43 100
61 27.9 23.0 34.4
87 13.9 11.6 17.4

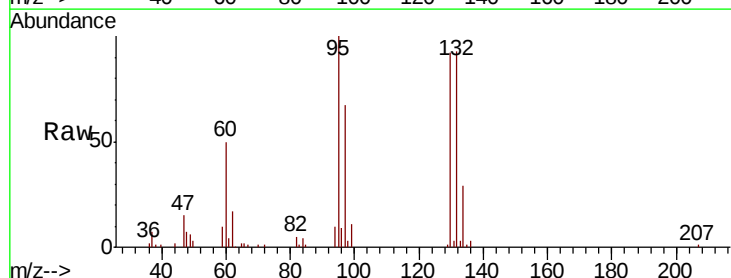


Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-1956) (-)
Ion 61.00 (60.70 to 61.70): VN061429.D (-1956) (-)
Ion 87.00 (86.70 to 87.70): VN061429.D (-1956) (-)

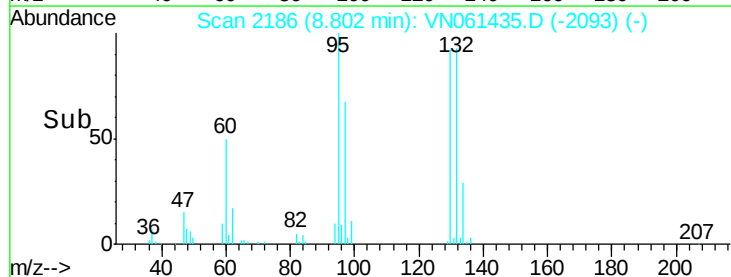
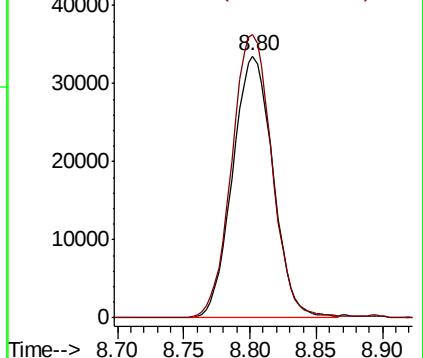


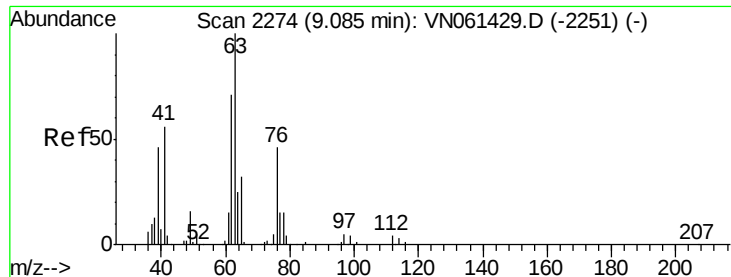
#44
Trichloroethene
Concen: 18.756 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

Tgt Ion:130 Resp: 70992
Ion Ratio Lower Upper
130 100
95 108.1 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): VN061429.D (-2169) (-)
Ion 94.90 (94.60 to 95.60): VN061429.D (-2169) (-)

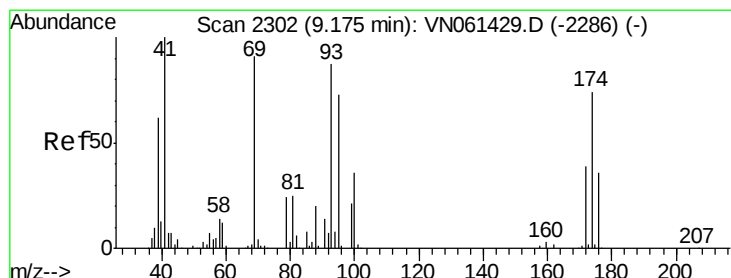
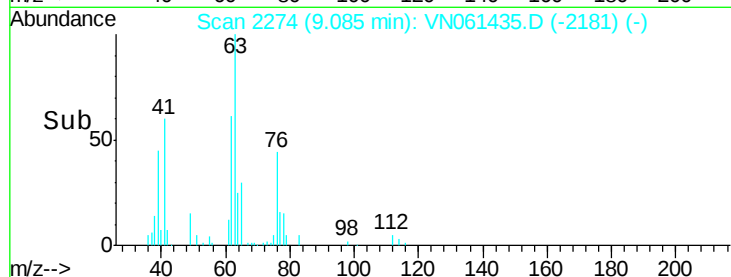
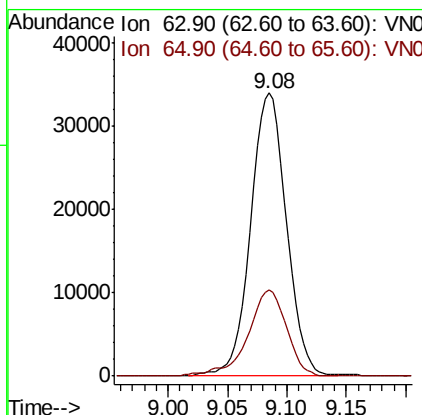
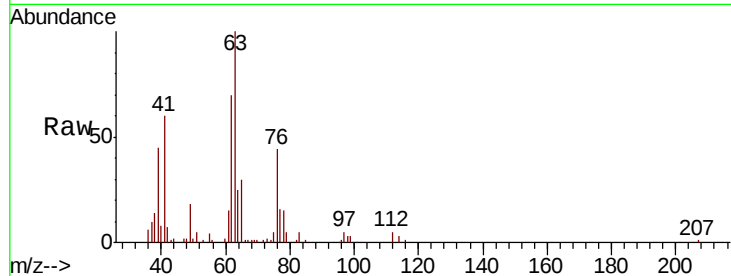




#45
 1,2-Dichloropropane
 Concen: 19.650 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061435.D
 Acq: 18 May 2020 15:27

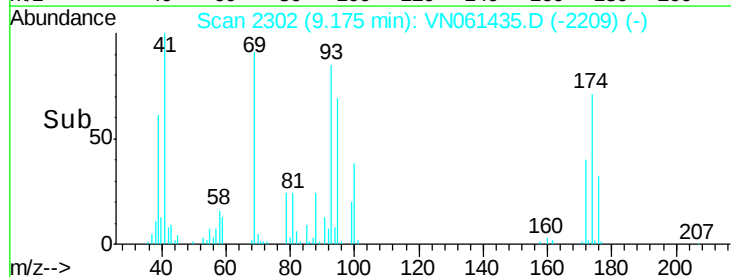
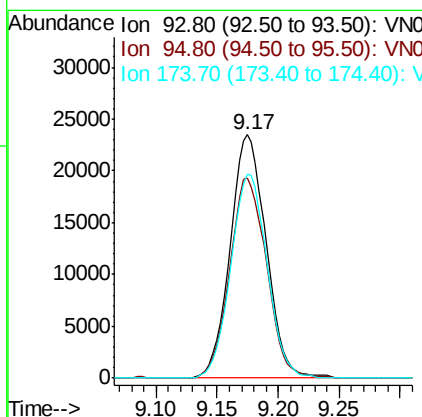
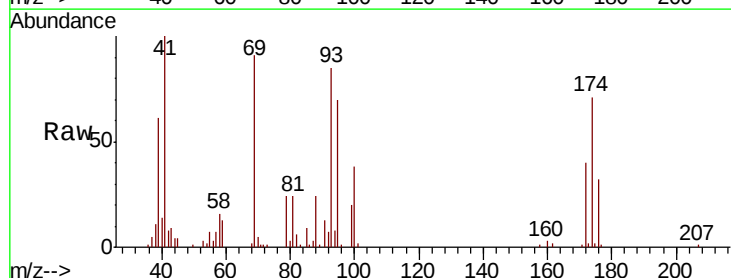
Instrument :
 MSVOA_N
 ClientSampleId :

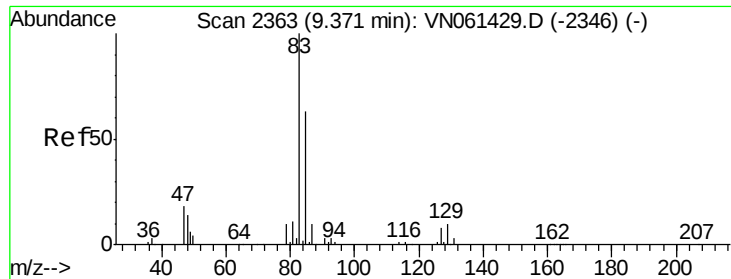
Tot Ion: 63 Resp: 71047
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.2 37.8



#46
 Dibromomethane
 Concen: 18.972 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061435.D
 Acq: 18 May 2020 15:27

Tgt Ion: 93 Resp: 48087
 Ion Ratio Lower Upper
 93 100
 95 84.2 65.6 98.4
 174 84.5 68.0 102.0

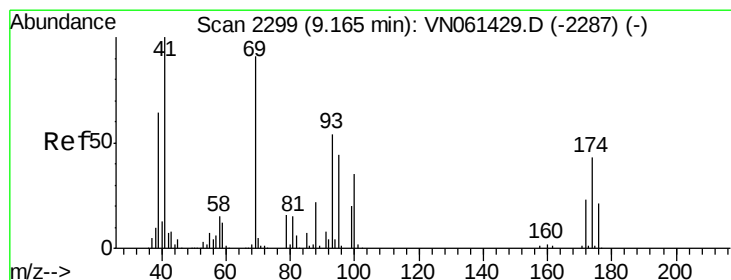
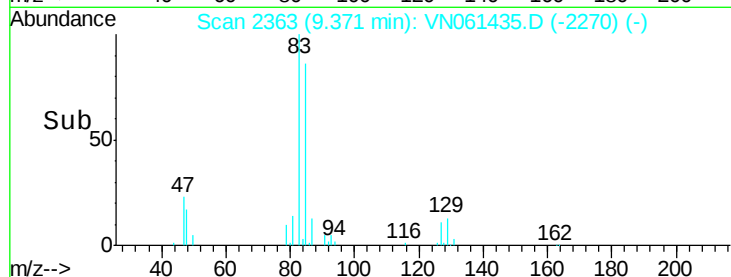
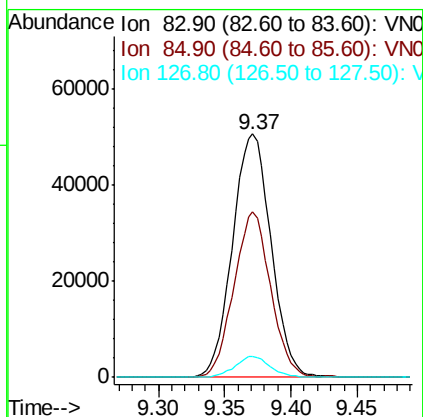
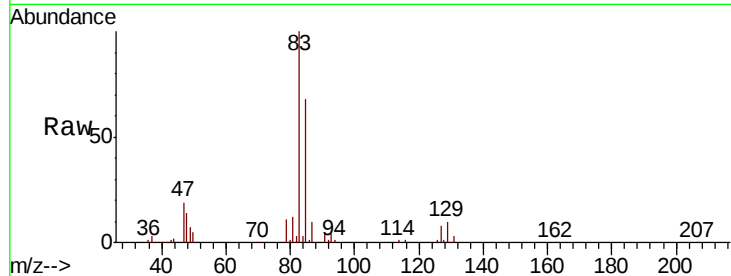




#47
Bromodichloromethane
Concen: 19.176 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

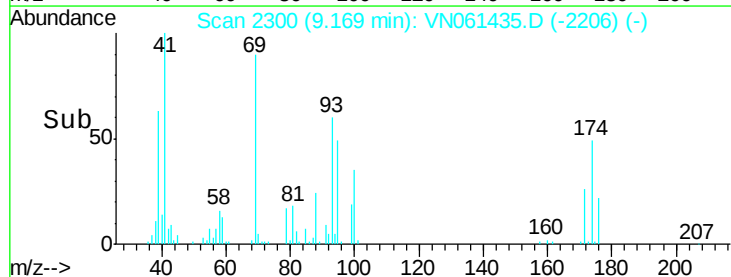
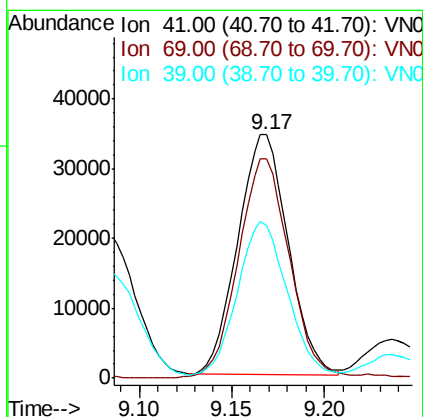
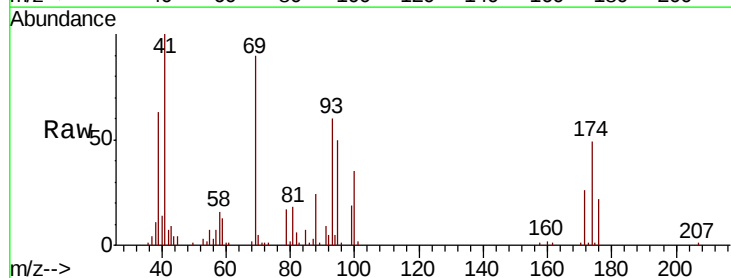
Instrument :
MSVOA_N
ClientSampleId :

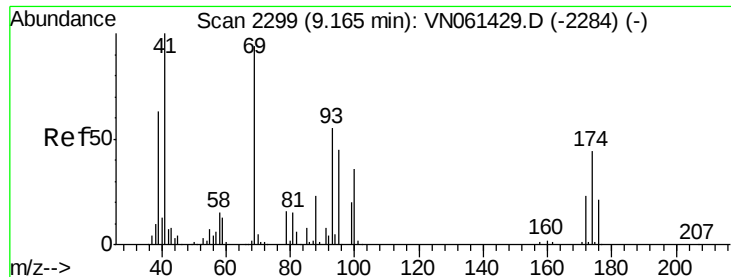
Tot Ion: 83 Resp: 102407
Ion Ratio Lower Upper
83 100
85 68.1 50.6 76.0
127 8.5 6.1 9.1



#48
Methyl methacrylate
Concen: 18.520 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

Tgt Ion: 41 Resp: 64864
Ion Ratio Lower Upper
41 100
69 92.8 75.3 112.9
39 62.6 52.6 79.0

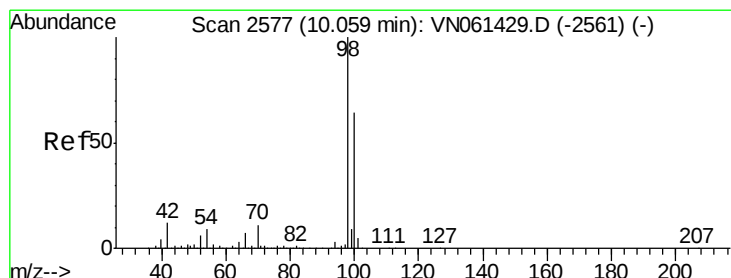
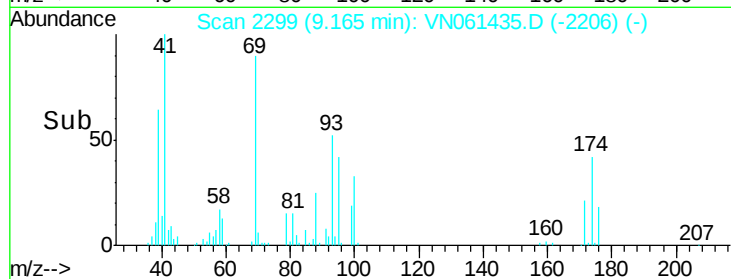
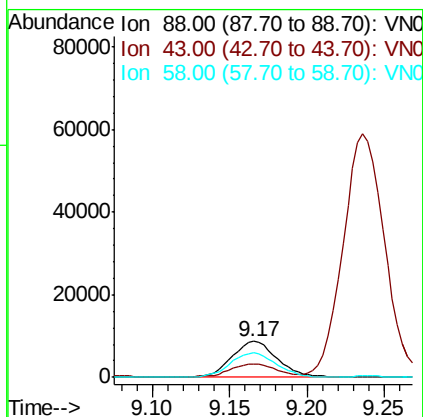
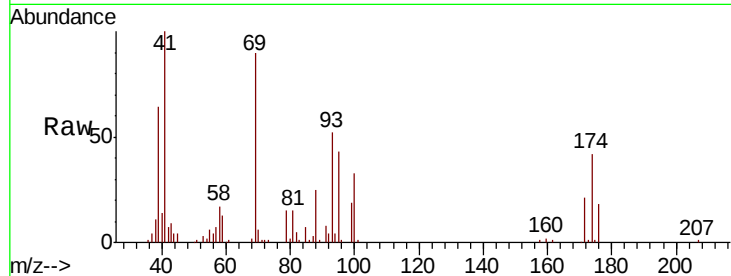




#49
1,4-Dioxane
Concen: 458.705 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

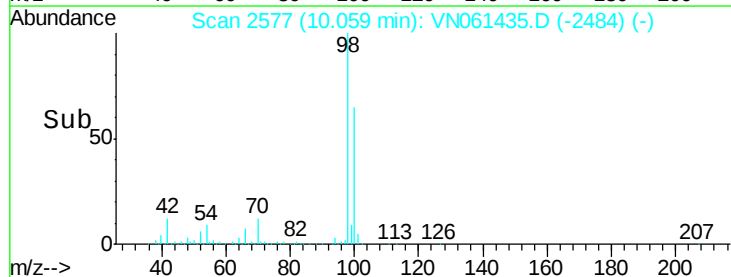
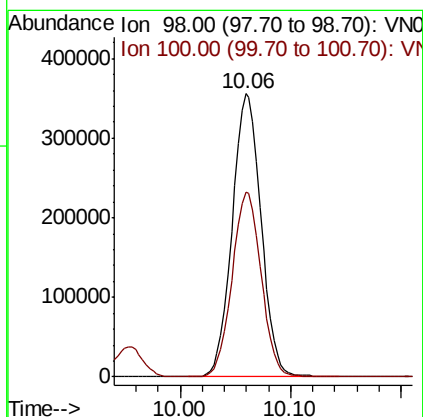
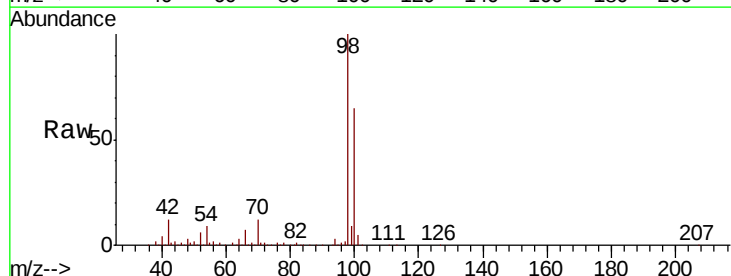
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 17650
Ion Ratio Lower Upper
88 100
43 34.4 26.3 39.5
58 70.3 54.1 81.1



#50
Toluene-d8
Concen: 51.868 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

Tgt Ion: 98 Resp: 646077
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 98.311 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Instrument :

MSVOA_N

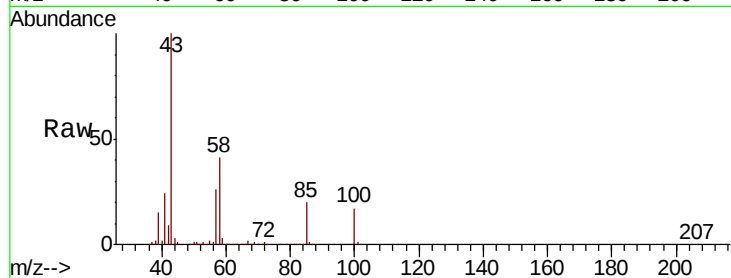
ClientSampled :

Tot Ion: 43 Resp: 406043

Ion Ratio Lower Upper

43 100

58 41.2 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

250000

200000

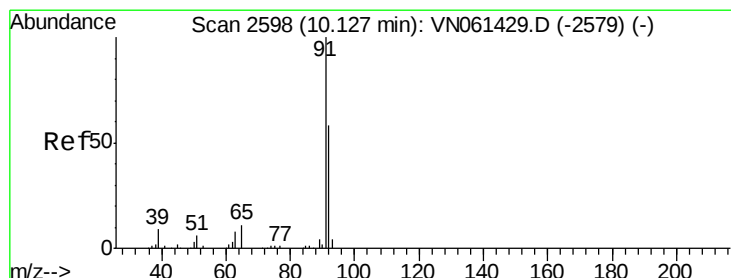
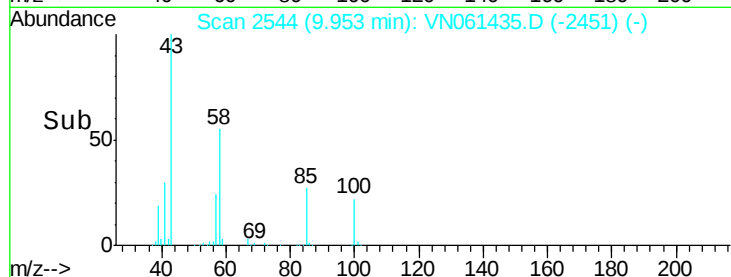
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.043 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061435.D

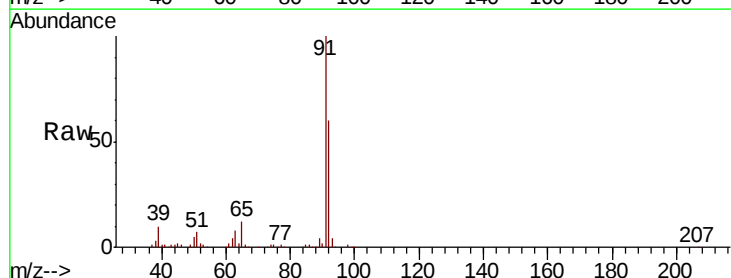
Acq: 18 May 2020 15:27

Tgt Ion: 92 Resp: 176604

Ion Ratio Lower Upper

92 100

91 172.4 138.0 207.0



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

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

10.12

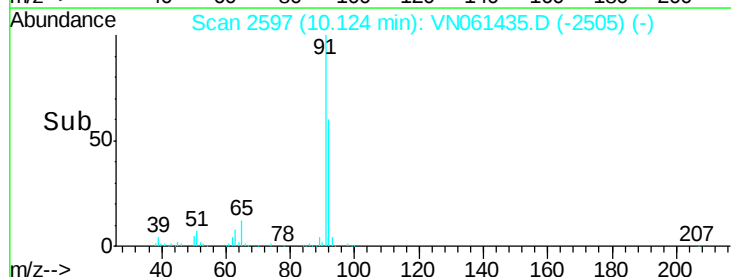
150000

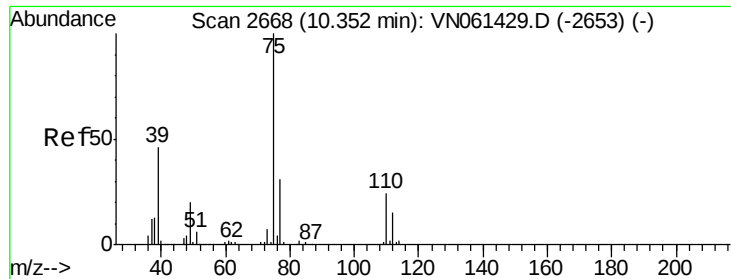
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.113 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Instrument :

MSVOA_N

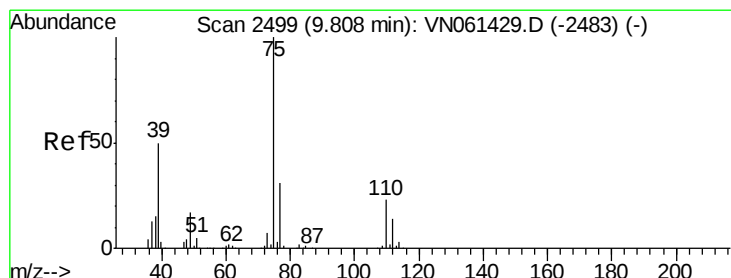
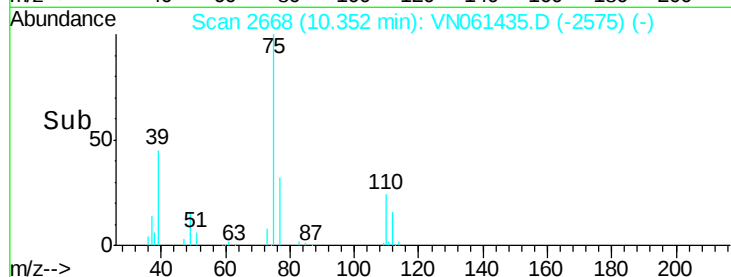
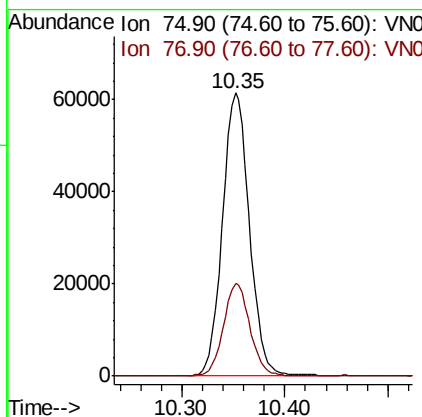
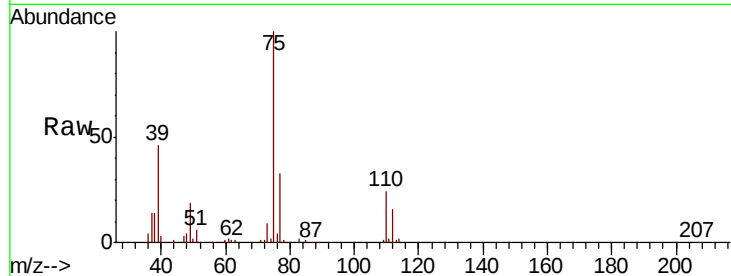
ClientSampleId :

Tot Ion: 75 Resp: 111873

Ion Ratio Lower Upper

75 100

77 32.4 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 18.965 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

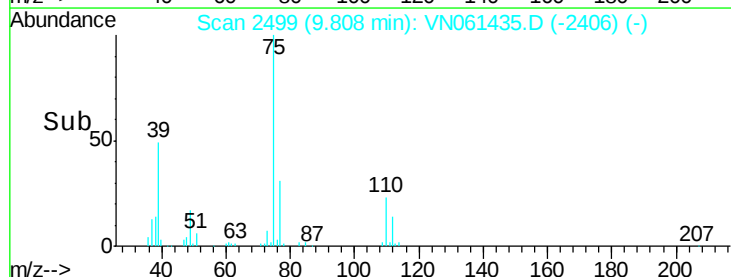
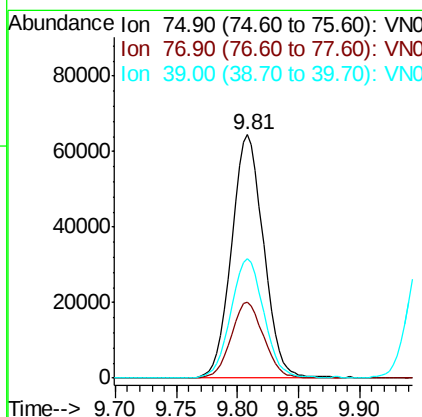
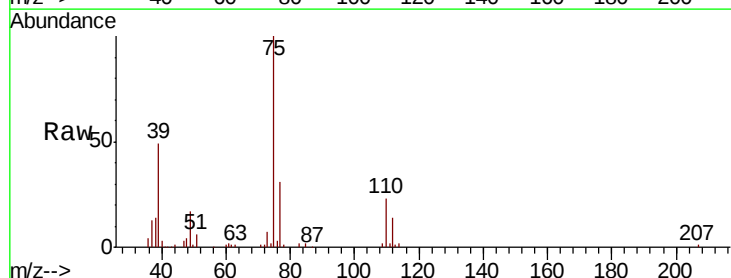
Tgt Ion: 75 Resp: 118004

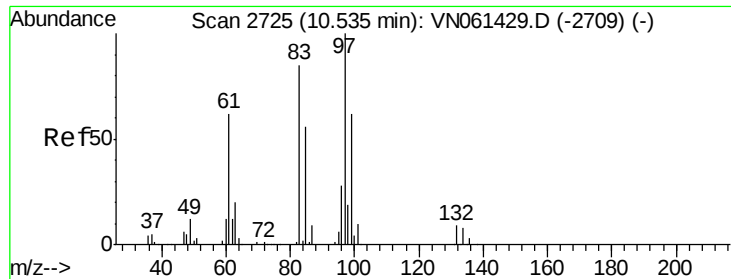
Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

39 48.7 39.8 59.6





#55

1,1,2-Trichloroethane

Concen: 19.565 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

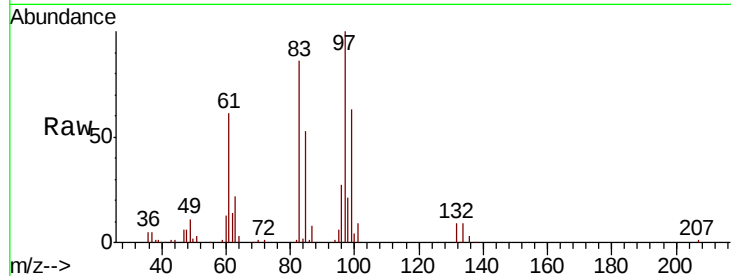
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 68597

Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.2	102.4
85	53.5	44.6	67.0
99	62.8	49.5	74.3



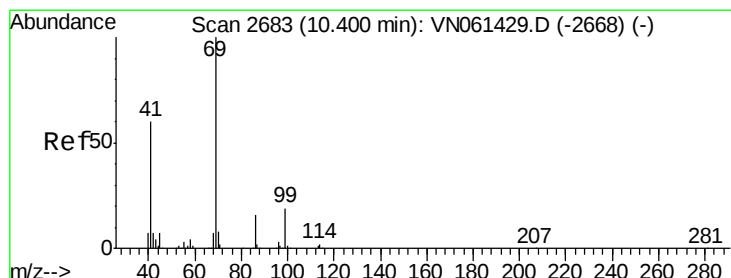
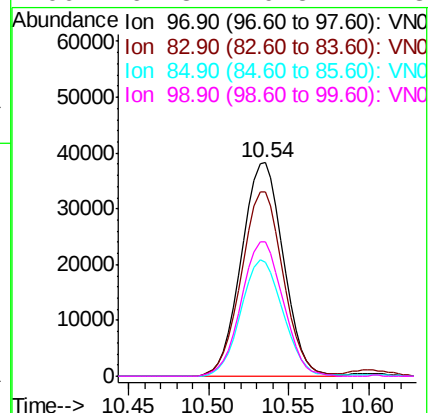
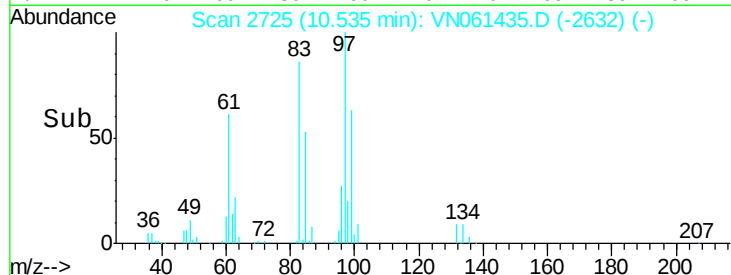
Abundance

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: 19.207 ug/l

RT: 10.40 min Scan# 2683

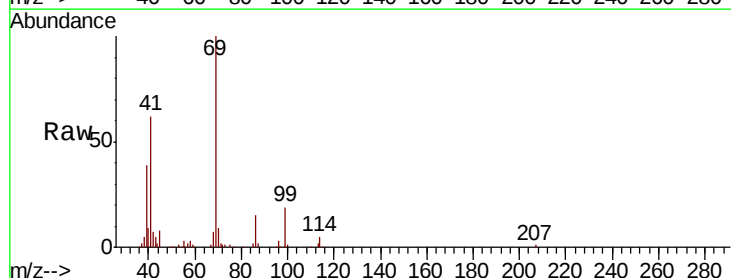
Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Tgt Ion: 69 Resp: 105281

Ion	Ratio	Lower	Upper
69	100		
41	61.7	48.3	72.5
39	38.2	30.2	45.2

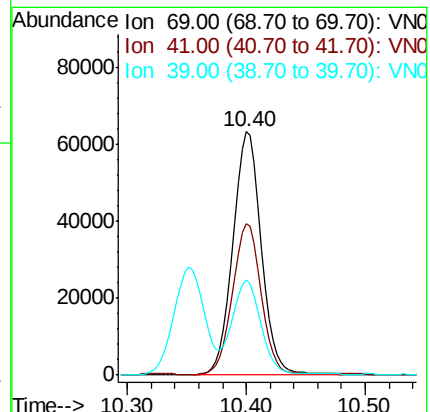
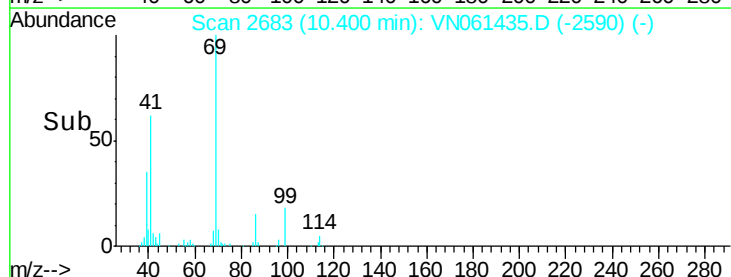


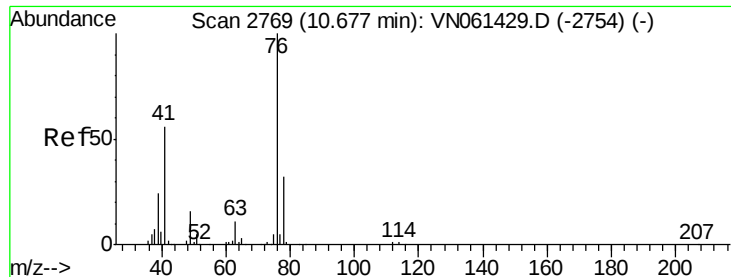
Abundance

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

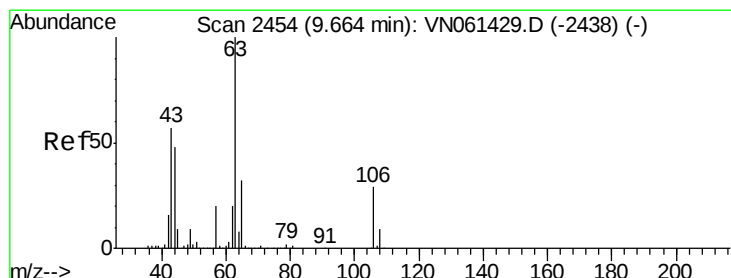
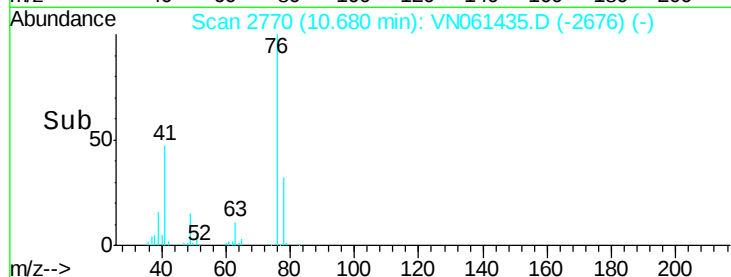
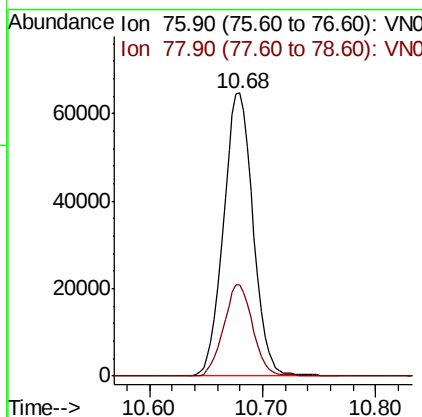
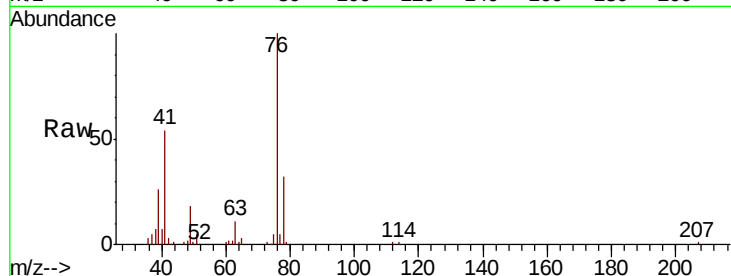




#57
 1,3-Dichloropropane
 Concen: 19.469 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061435.D
 Acq: 18 May 2020 15:27

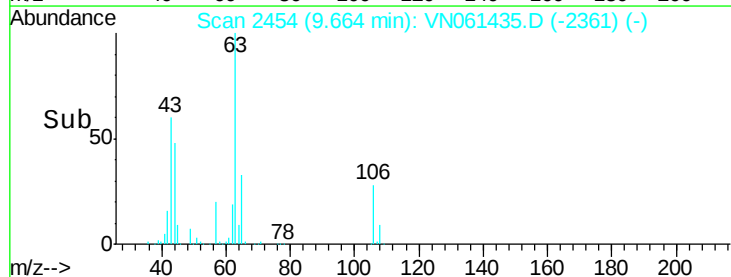
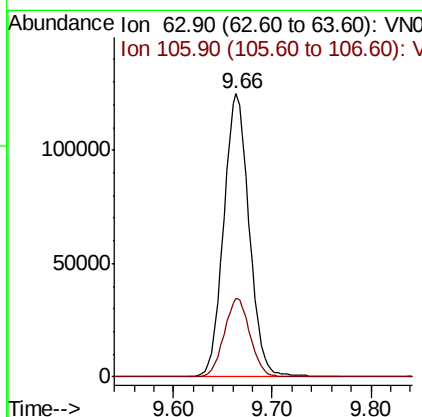
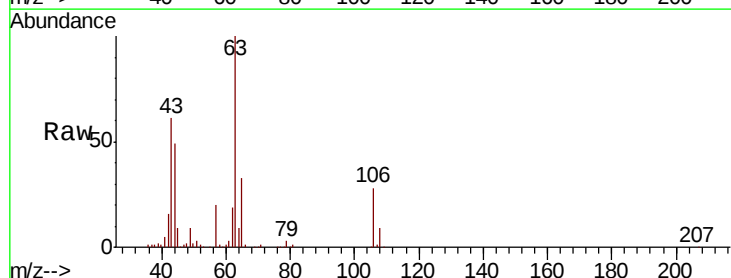
Instrument :
 MSVOA_N
 ClientSampled :

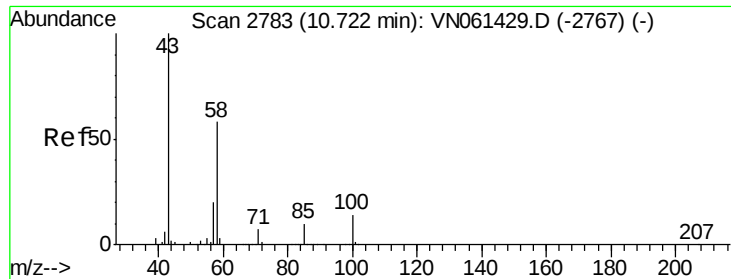
Tot Ion: 76 Resp: 117968
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.130 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061435.D
 Acq: 18 May 2020 15:27

Tgt Ion: 63 Resp: 226481
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.7 34.1

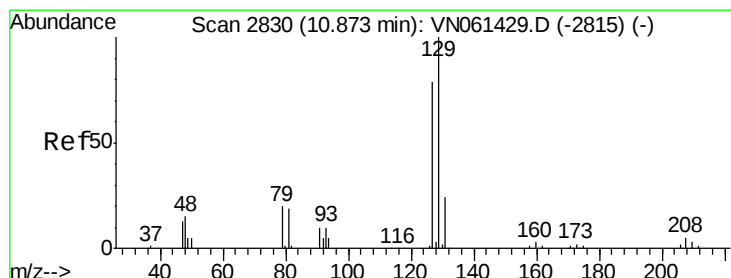
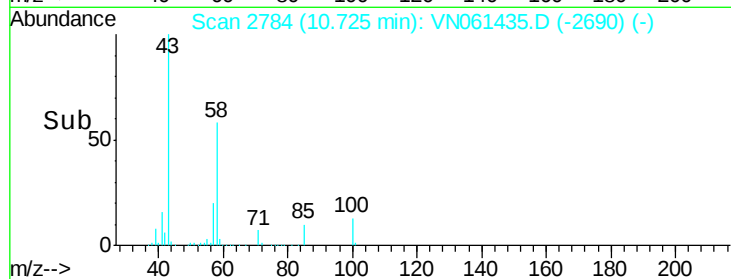
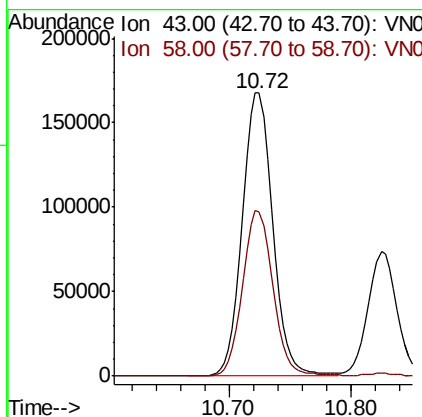
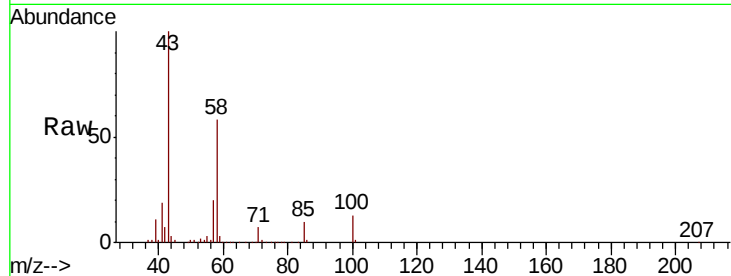




#59
2-Hexanone
Concen: 96.783 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

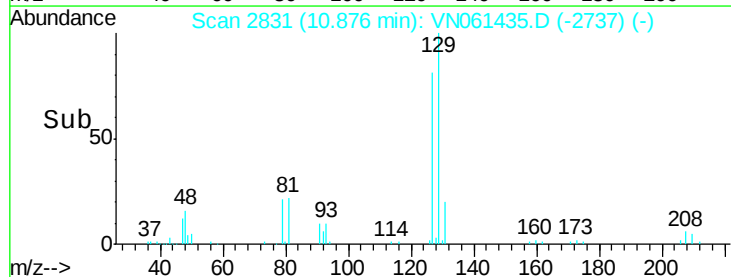
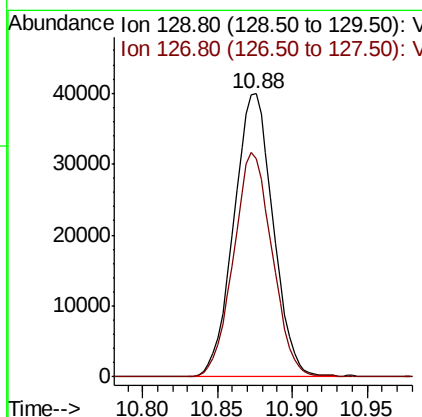
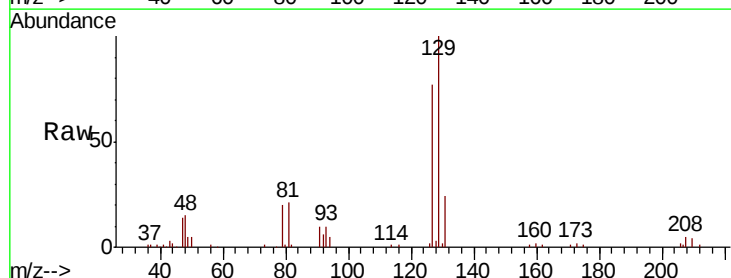
Instrument :
MSVOA_N
ClientSampleId :

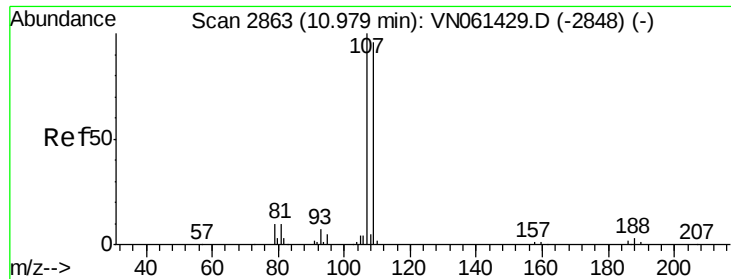
Tot Ion: 43 Resp: 289202
Ion Ratio Lower Upper
43 100
58 58.2 29.2 87.6



#60
Dibromochloromethane
Concen: 18.815 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

Tgt Ion: 129 Resp: 72971
Ion Ratio Lower Upper
129 100
127 78.2 38.8 116.3

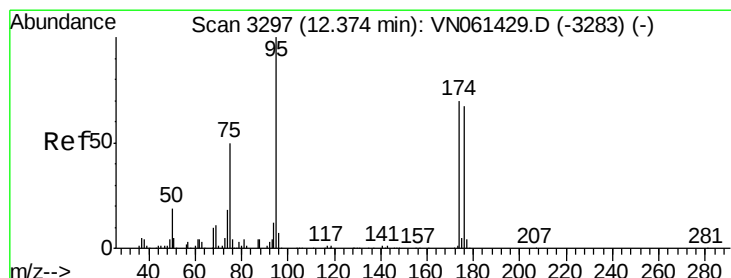
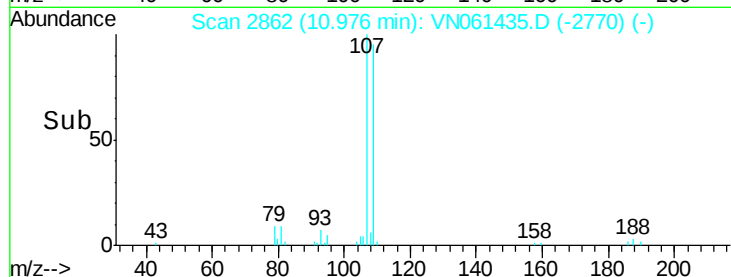
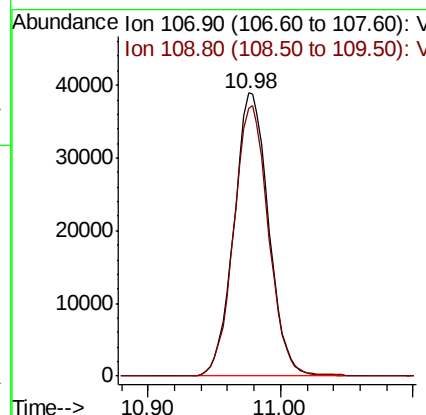
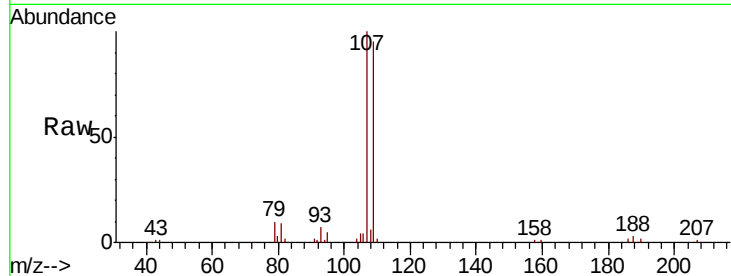




#61
 1,2-Dibromoethane
 Concen: 19.129 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061435.D
 Acq: 18 May 2020 15:27

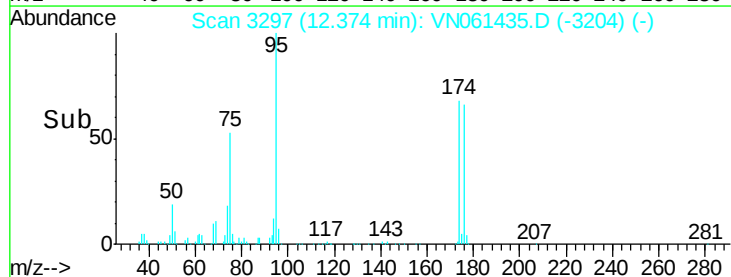
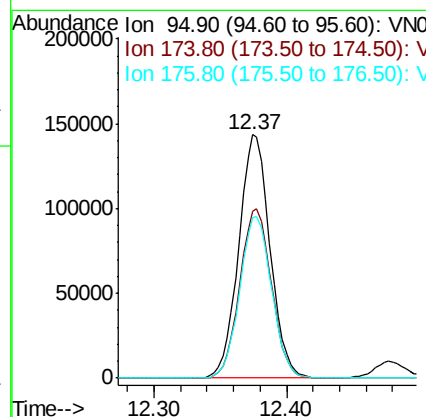
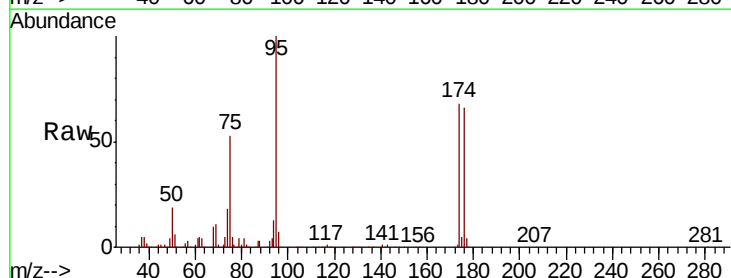
Instrument :
 MSVOA_N
 ClientSampleId :

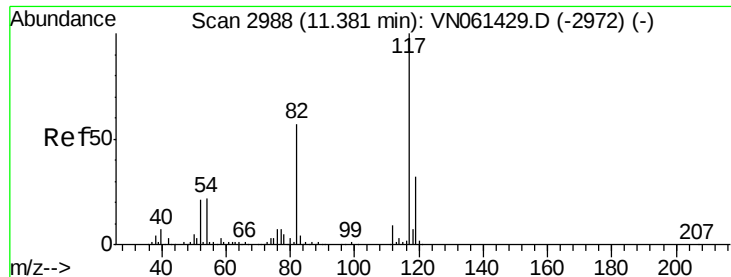
Tot Ion:107 Resp: 70520
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 50.520 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061435.D
 Acq: 18 May 2020 15:27

Tgt Ion: 95 Resp: 235104
 Ion Ratio Lower Upper
 95 100
 174 70.5 0.0 141.2
 176 68.0 0.0 137.6

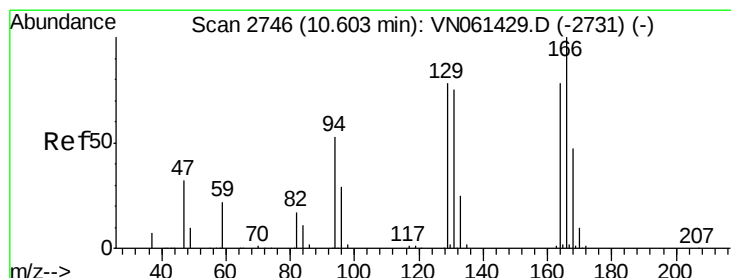
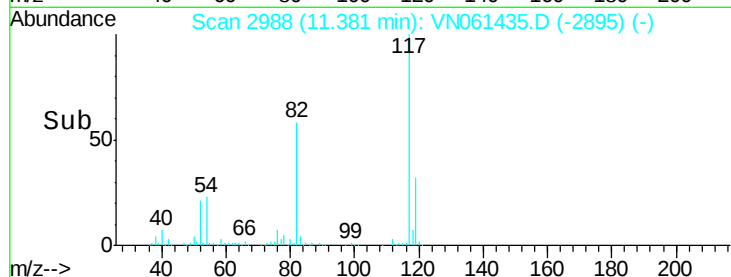
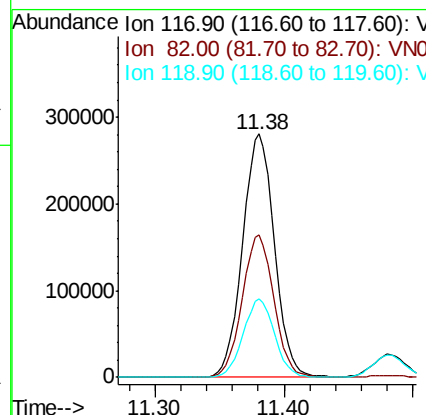
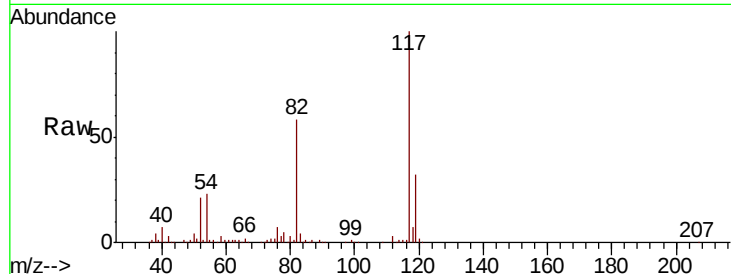




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

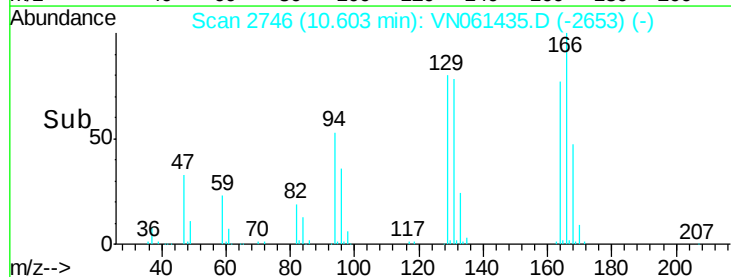
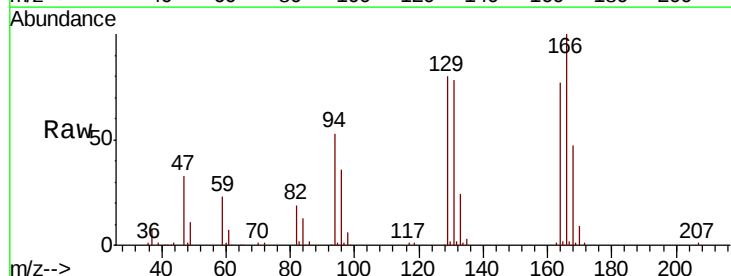
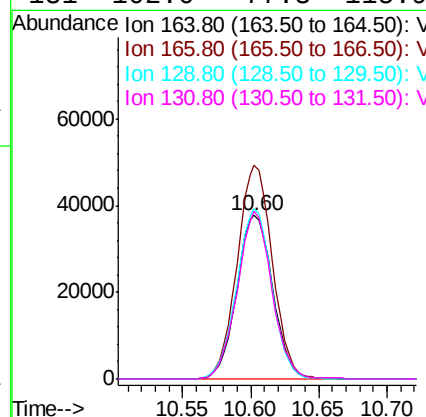
Instrument :
MSVOA_N
ClientSampleId :

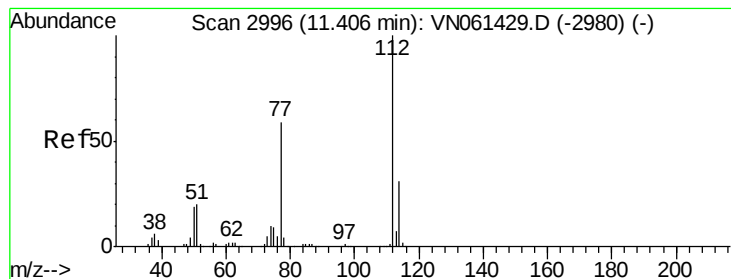
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	45.2	67.8
119	32.4	25.3	37.9



#64
Tetrachloroethene
Concen: 18.451 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	103.2	154.8
129	103.7	81.0	121.4
131	102.0	77.3	115.9





#65

Chlorobenzene

Concen: 18.925 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Instrument :

MSVOA_N

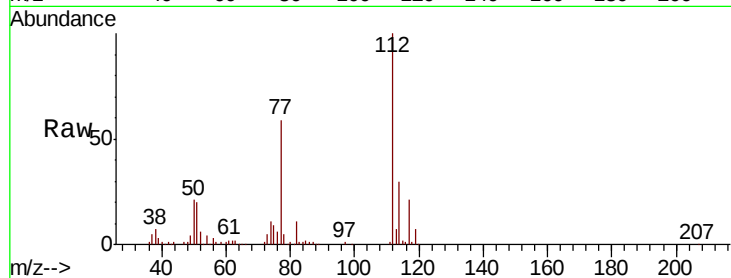
ClientSampled :

Tot Ion:112 Resp: 186625

Ion Ratio Lower Upper

112 100

114 30.2 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.41

120000

100000

80000

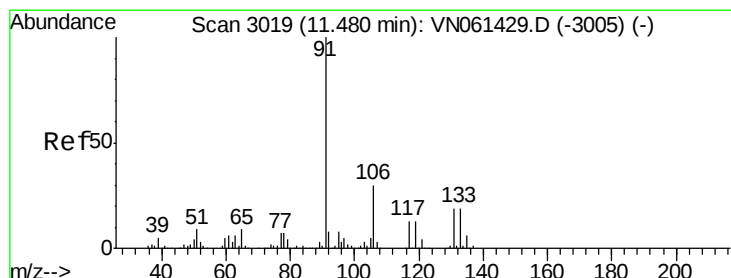
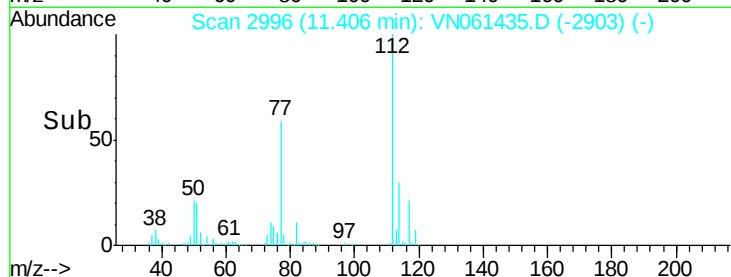
60000

40000

20000

0

Time--> 11.30 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 18.790 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

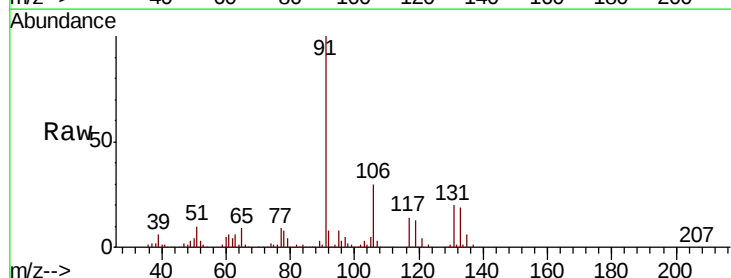
Tgt Ion:131 Resp: 66429

Ion Ratio Lower Upper

131 100

133 95.2 48.7 146.1

119 67.8 33.8 101.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

60000

50000

40000

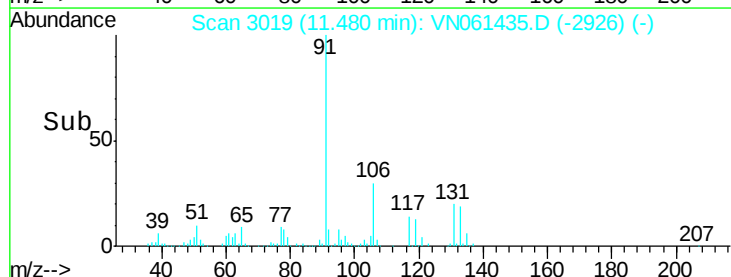
30000

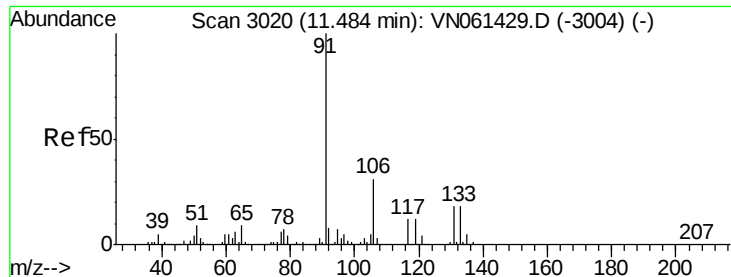
20000

10000

0

Time--> 11.40 11.45 11.50 11.55

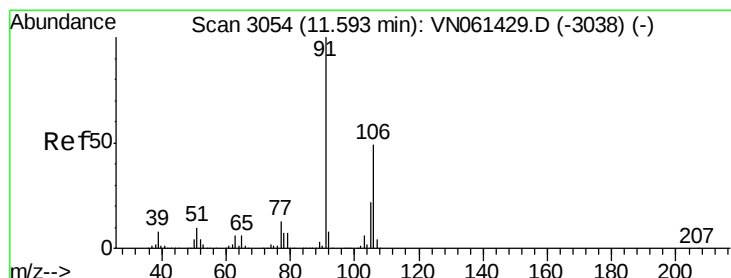
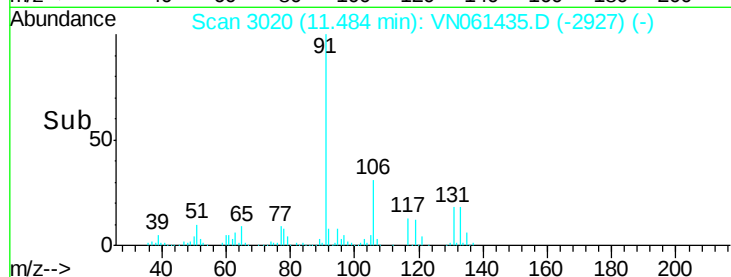
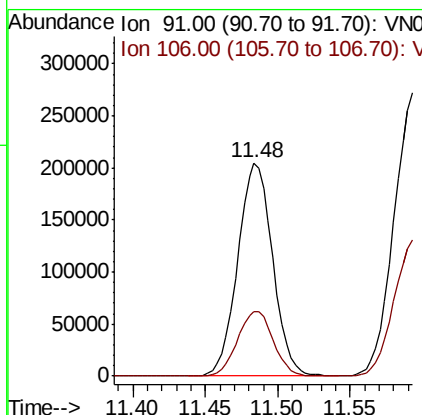
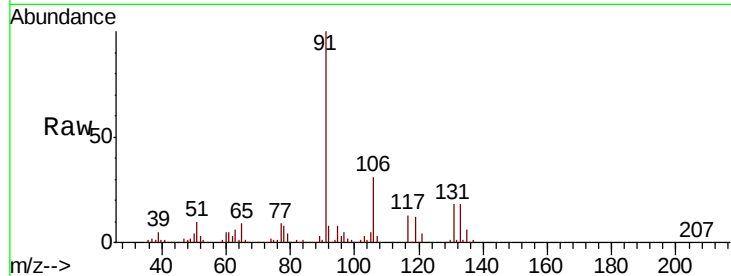




#67
Ethyl Benzene
Concen: 19.012 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

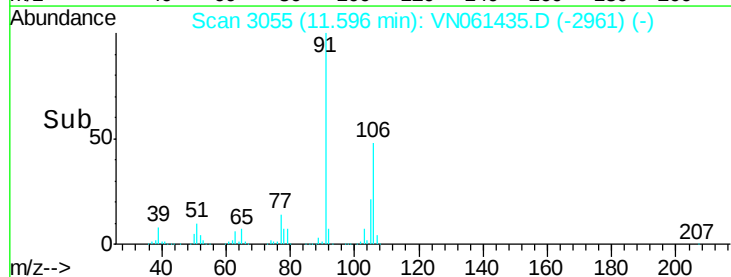
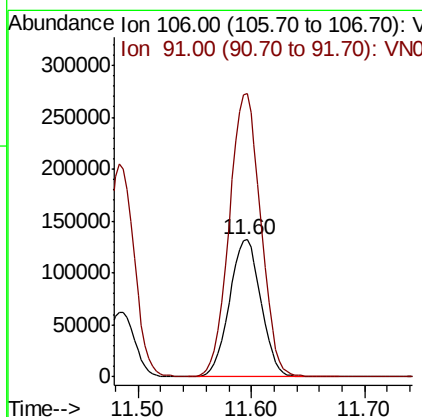
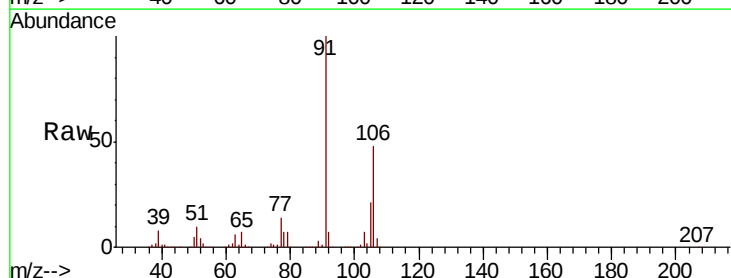
Instrument :
MSVOA_N
ClientSampled :

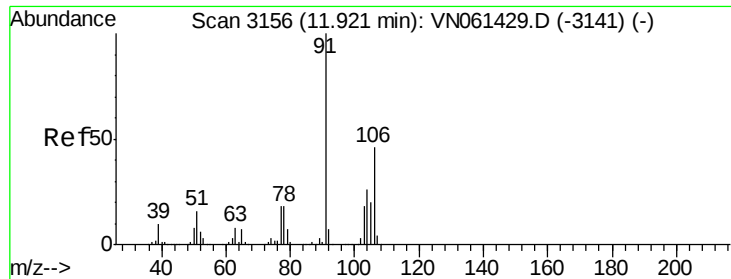
Tot Ion: 91 Resp: 342225
Ion Ratio Lower Upper
91 100
106 30.5 24.6 36.8



#68
m/p-Xylenes
Concen: 37.455 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

Tgt Ion: 106 Resp: 255915
Ion Ratio Lower Upper
106 100
91 205.7 163.0 244.6

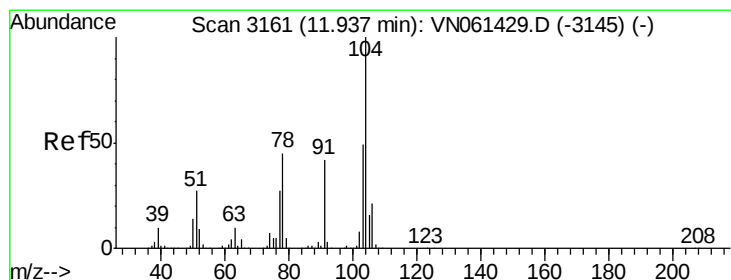
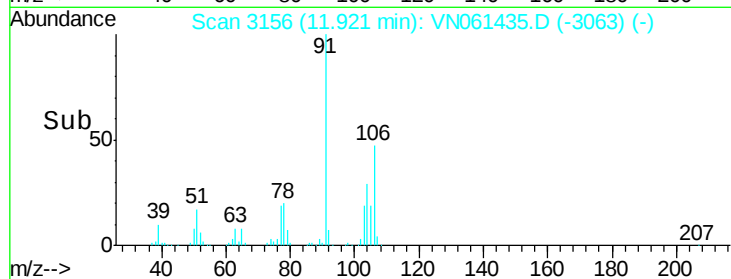
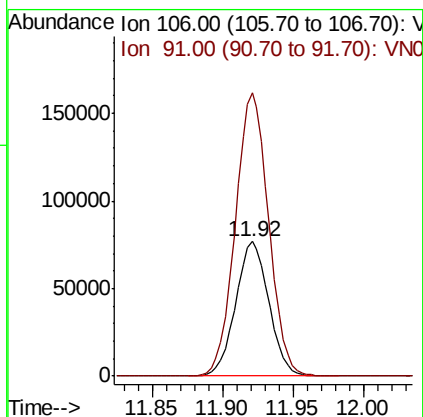
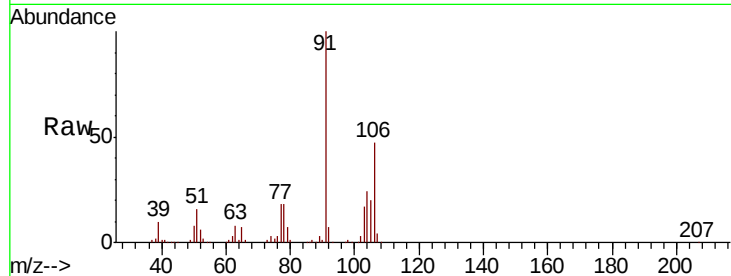




#69
o-Xylene
Concen: 19.111 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

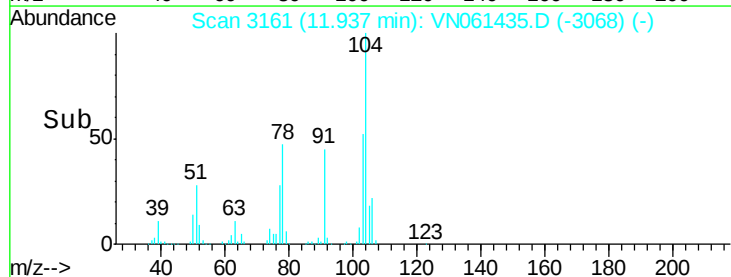
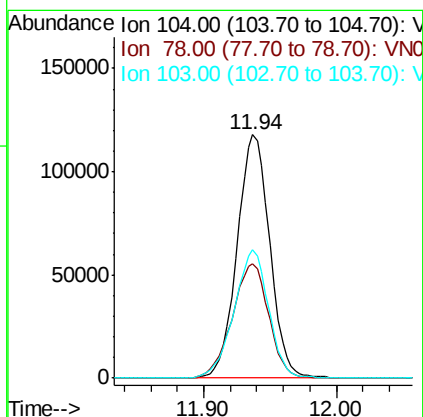
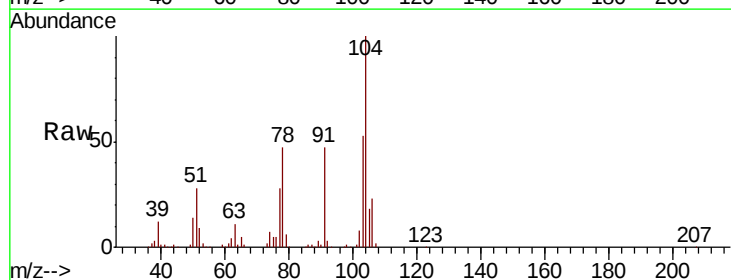
Instrument :
MSVOA_N
ClientSampled :

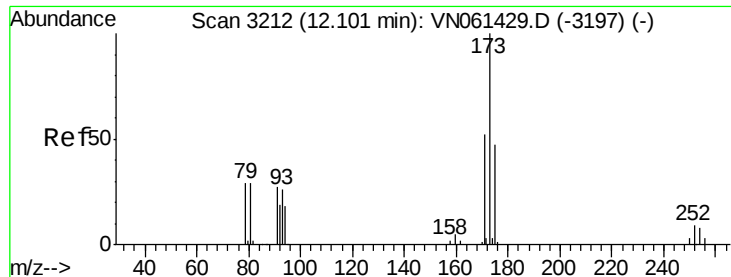
Tot Ion:106 Resp: 126364
Ion Ratio Lower Upper
106 100
91 211.7 107.9 323.7



#70
Styrene
Concen: 18.427 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

Tgt Ion:104 Resp: 201761
Ion Ratio Lower Upper
104 100
78 52.6 40.7 61.1
103 55.7 43.0 64.4





#71

Bromoform

Concen: 17.424 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Instrument :

MSVOA_N

ClientSampleId :

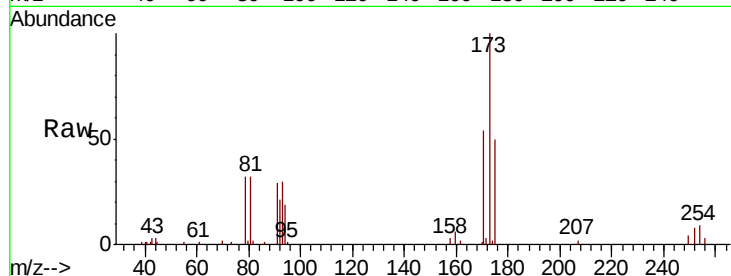
Tot Ion:173 Resp: 44129

Ion Ratio Lower Upper

173 100

175 48.5 23.9 71.8

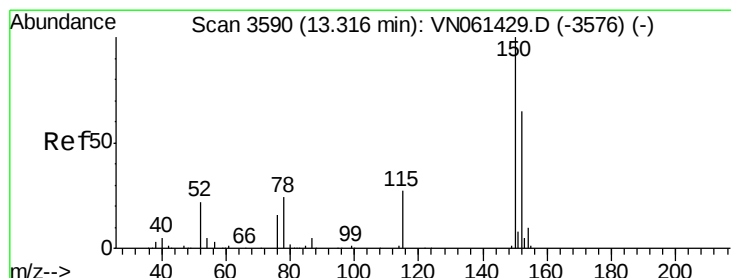
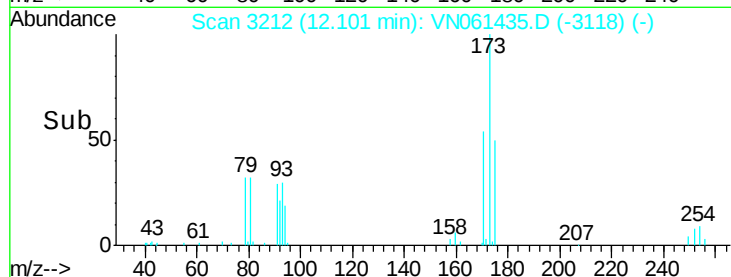
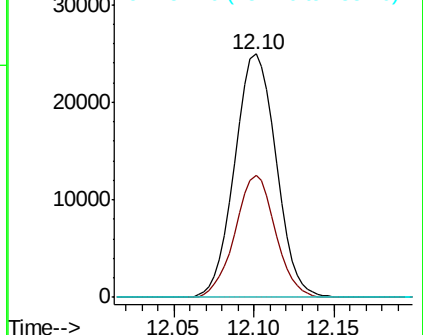
254 0.0 0.0 0.0



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: VN061435.D

Acq: 18 May 2020 15:27

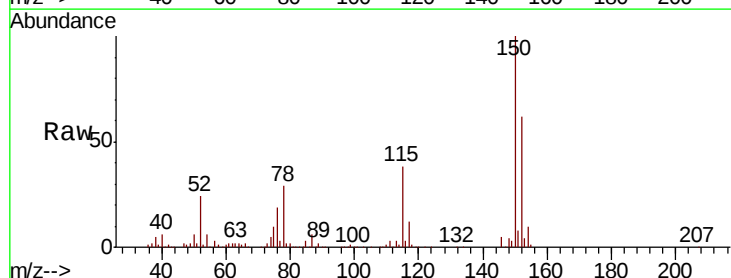
Tgt Ion:152 Resp: 218862

Ion Ratio Lower Upper

152 100

115 62.3 30.9 92.5

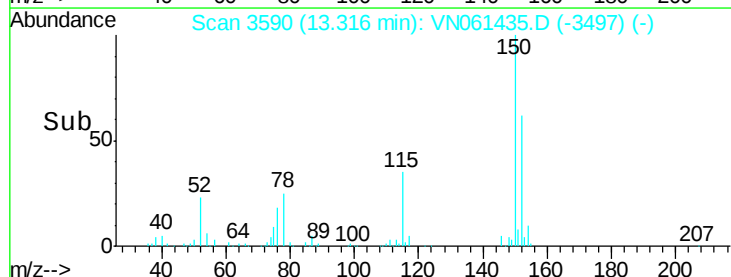
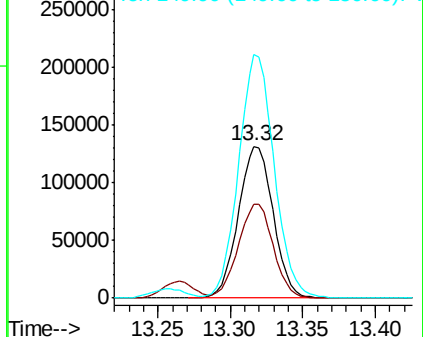
150 164.9 0.0 349.2

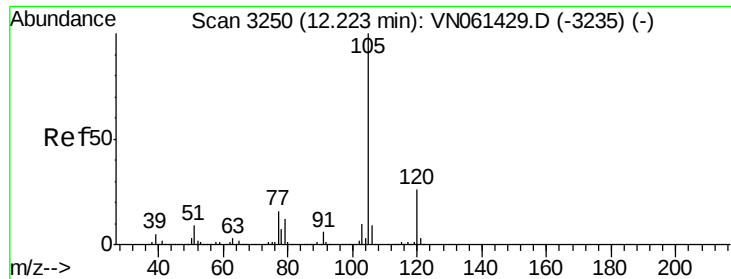


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

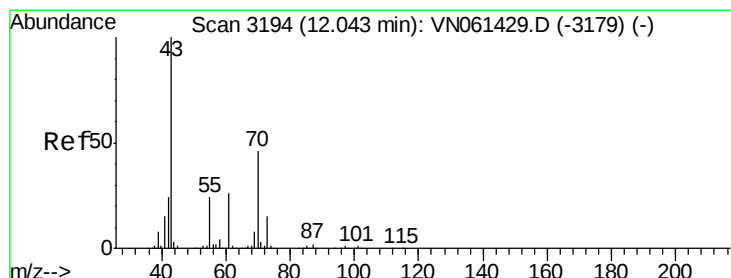
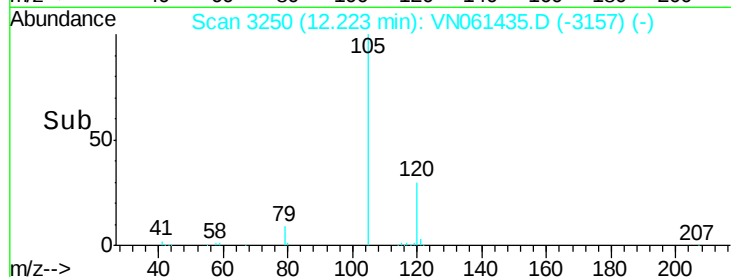
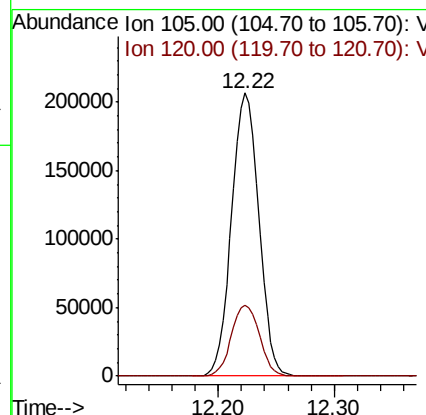
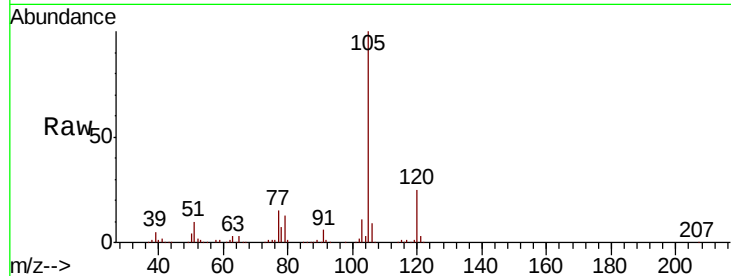




#73
Isopropylbenzene
Concen: 19.190 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

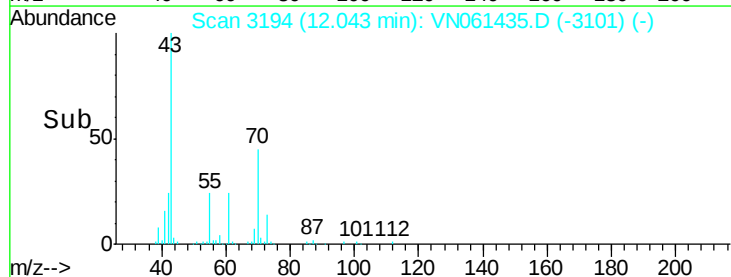
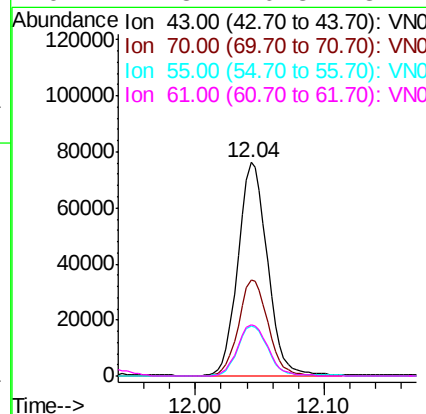
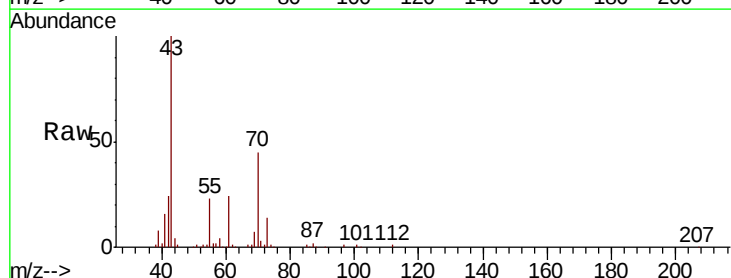
Instrument :
MSVOA_N
ClientSampleId :

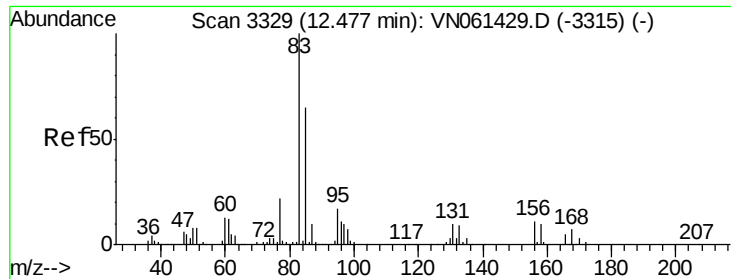
Tot Ion:105 Resp: 337176
Ion Ratio Lower Upper
105 100
120 25.7 13.0 39.0



#74
N-ethyl acetate
Concen: 18.975 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

Tgt Ion: 43 Resp: 122032
Ion Ratio Lower Upper
43 100
70 44.8 37.0 55.4
55 24.0 19.5 29.3
61 24.8 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.123 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Instrument :

MSVOA_N

ClientSampled :

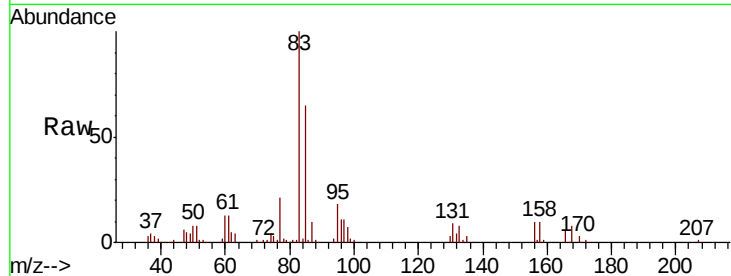
Tot Ion: 83 Resp: 92443

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.4

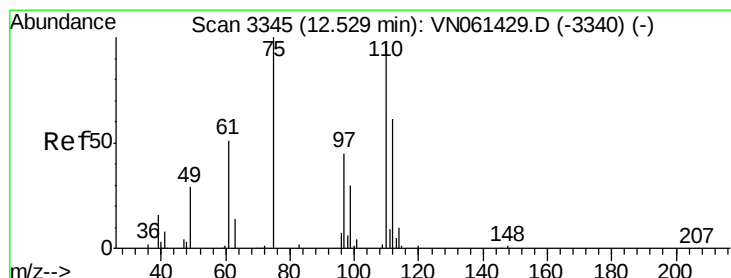
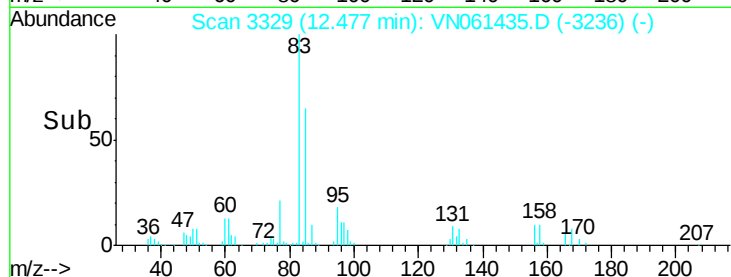
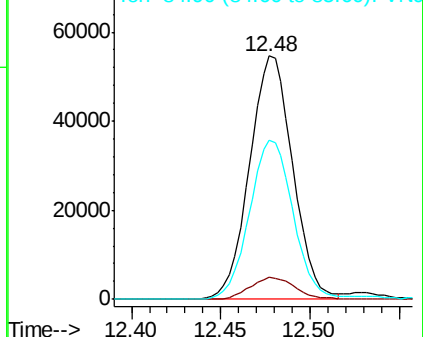
85 65.8 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN061435.D (-3236) (-)

Ion 130.80 (130.50 to 131.50): VN061435.D (-3236) (-)

Ion 84.90 (84.60 to 85.60): VN061435.D (-3236) (-)



#76

1,2,3-Trichloropropane

Concen: 26.191 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061435.D

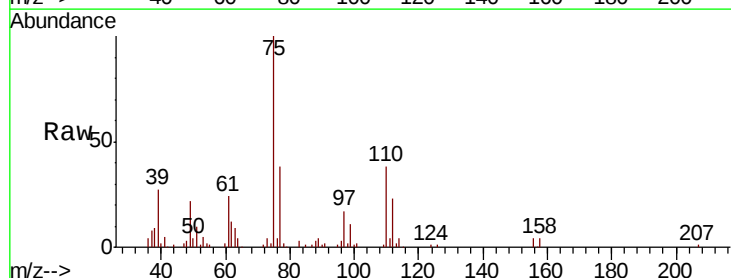
Acq: 18 May 2020 15:27

Tgt Ion: 75 Resp: 123000

Ion Ratio Lower Upper

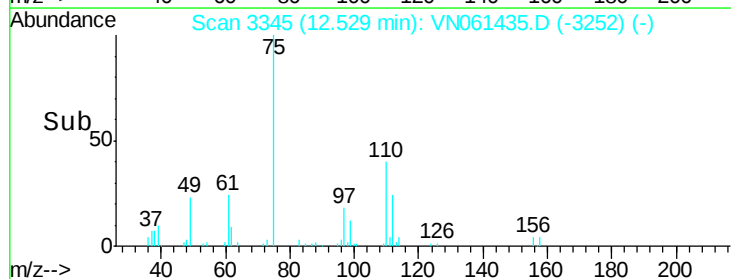
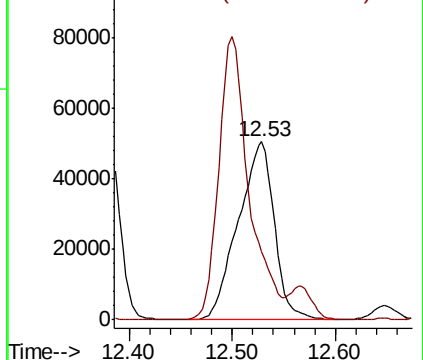
75 100

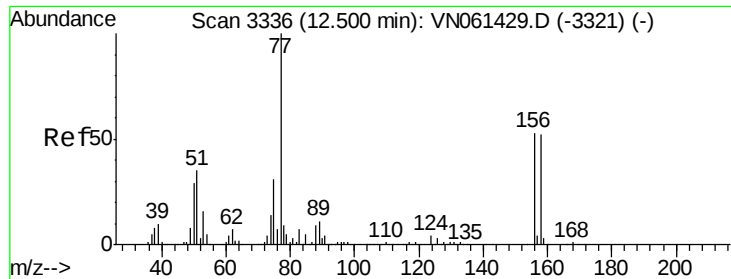
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061435.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061435.D (-3252) (-)





#77

Bromobenzene

Concen: 18.673 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Instrument :

MSVOA_N

ClientSampleId :

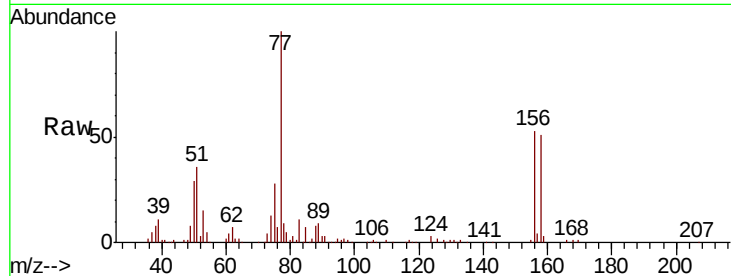
Tot Ion:156 Resp: 71203

Ion Ratio Lower Upper

156 100

77 231.3 112.3 336.9

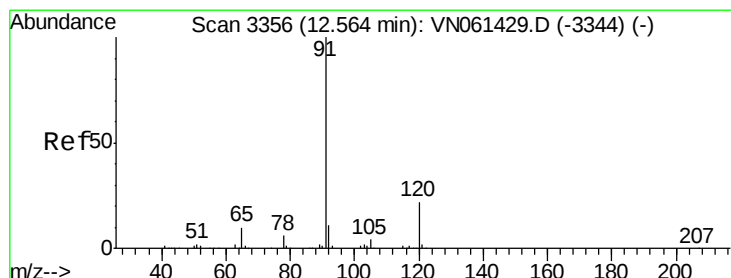
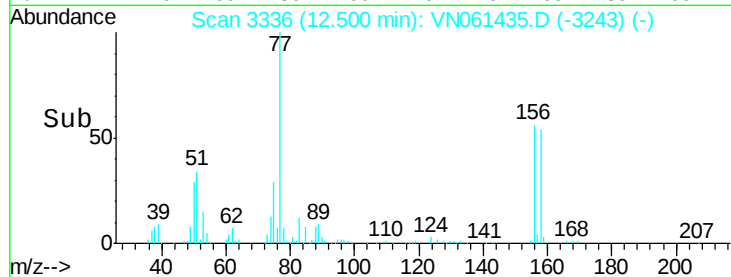
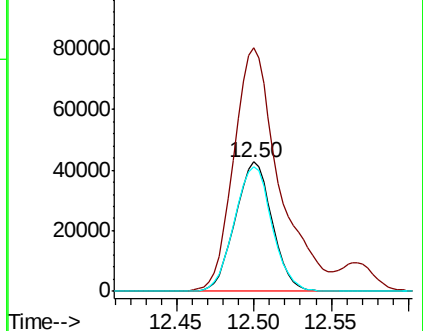
158 97.9 47.9 143.6



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: 19.202 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061435.D

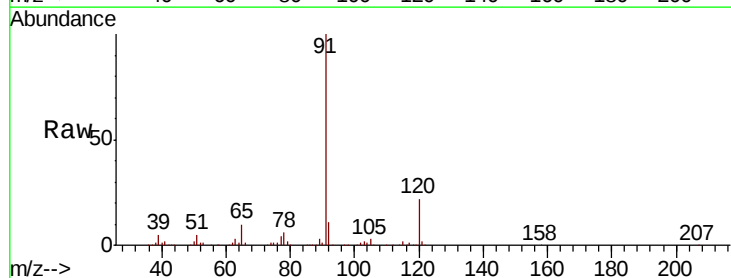
Acq: 18 May 2020 15:27

Tgt Ion: 91 Resp: 384404

Ion Ratio Lower Upper

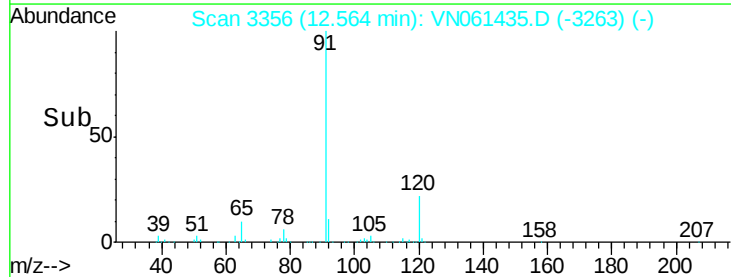
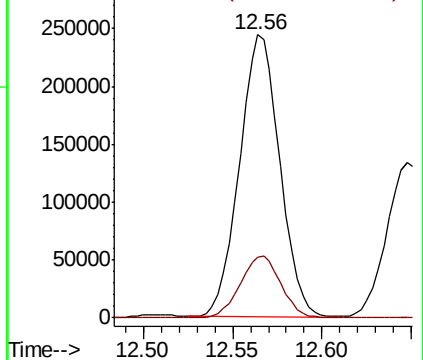
91 100

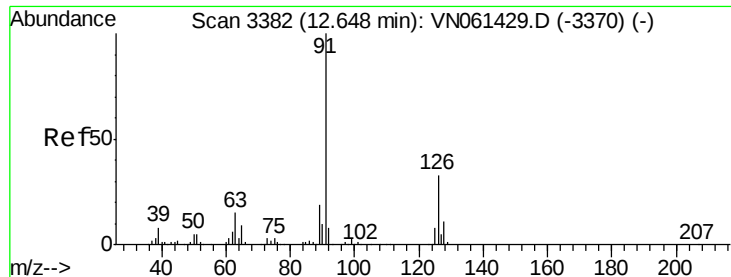
120 22.1 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

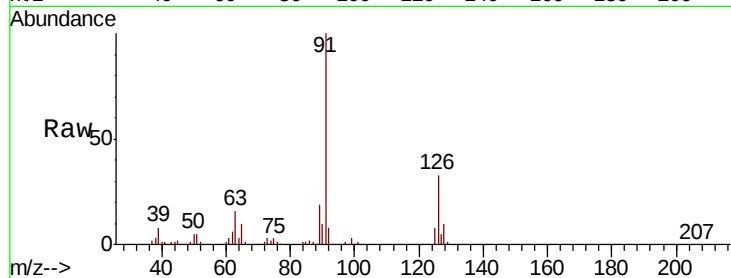




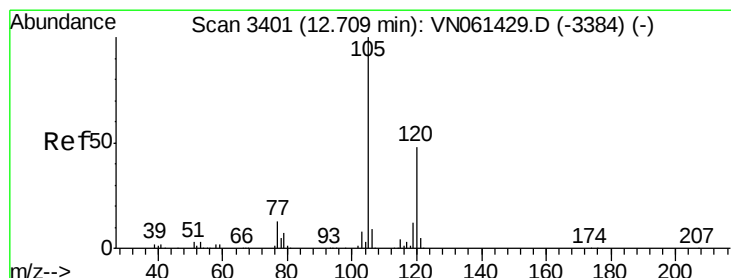
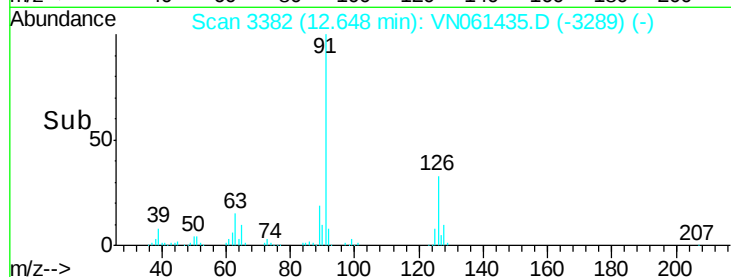
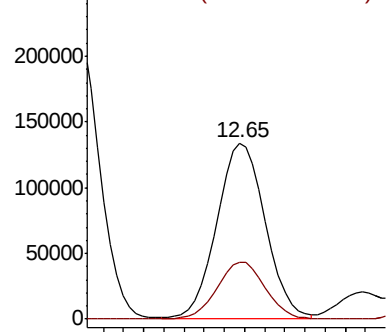
#79
 2-Chlorotoluene
 Concen: 18.801 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN061435.D
 Acq: 18 May 2020 15:27

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 222468
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.3 48.9

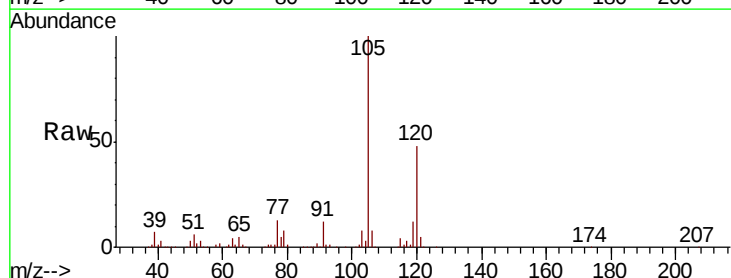


Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3370) (-)
 Ion 125.90 (125.60 to 126.60): VN061429.D (-3370) (-)

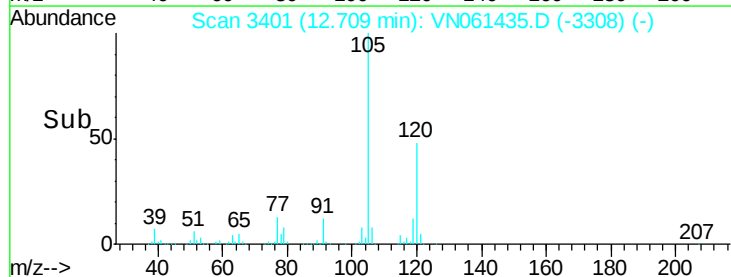
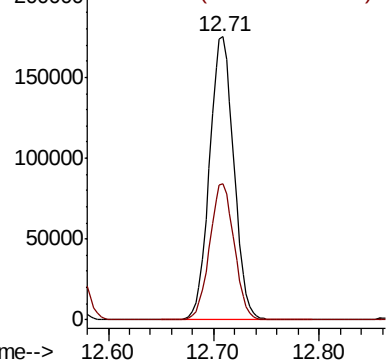


#80
 1,3,5-Trimethylbenzene
 Concen: 19.460 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061435.D
 Acq: 18 May 2020 15:27

Tgt Ion: 105 Resp: 279963
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061429.D (-3384) (-)
 Ion 120.00 (119.70 to 120.70): VN061429.D (-3384) (-)

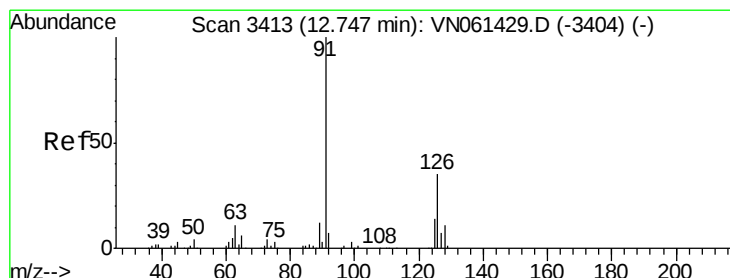
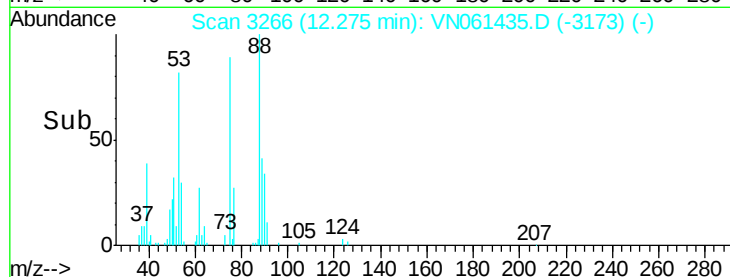
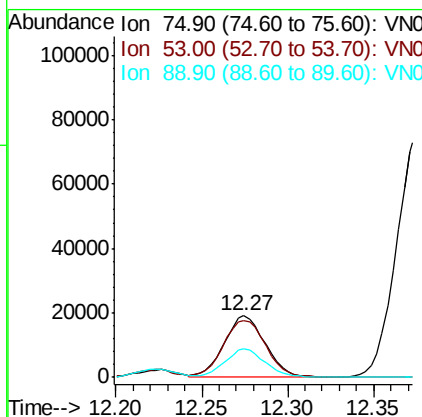
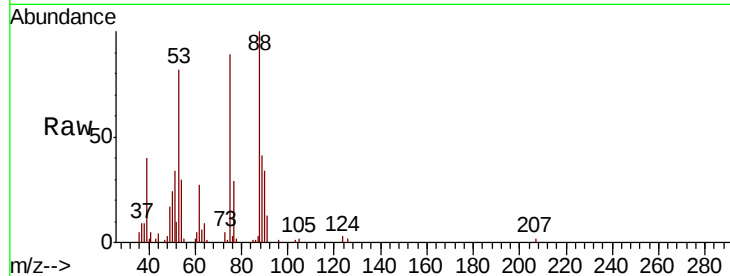




#81
trans-1,4-Dichloro-2-butene
Concen: 18.075 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

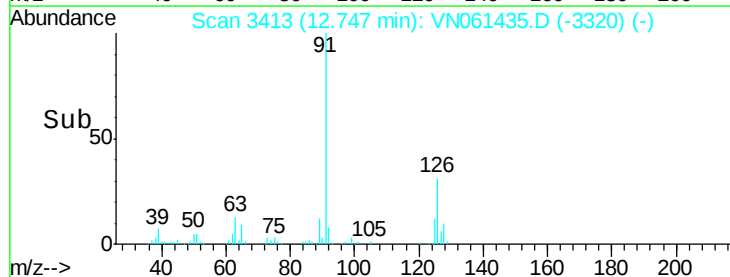
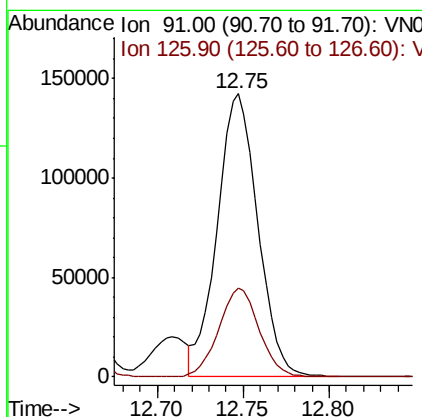
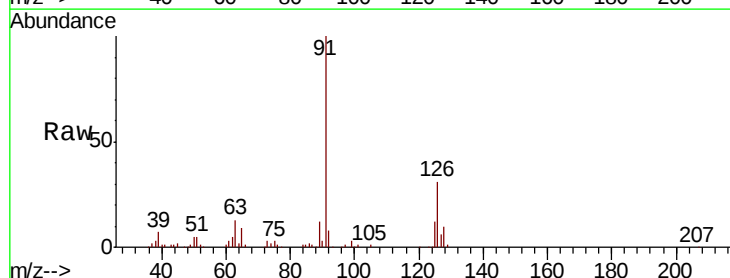
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 31999
Ion Ratio Lower Upper
75 100
53 96.2 75.2 112.8
89 45.1 38.2 57.4



#82
4-Chlorotoluene
Concen: 18.960 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061435.D
Acq: 18 May 2020 15:27

Tgt Ion: 91 Resp: 232305
Ion Ratio Lower Upper
91 100
126 31.3 16.1 48.2

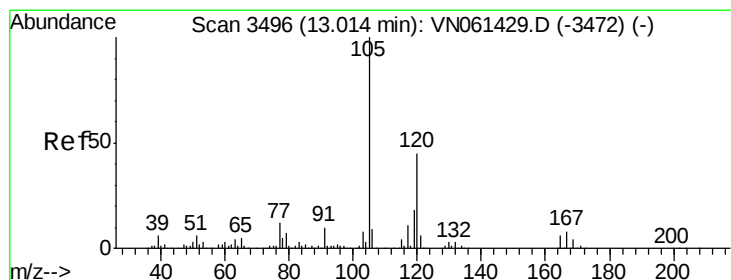
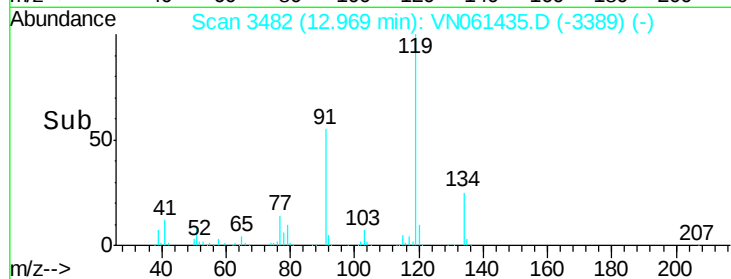
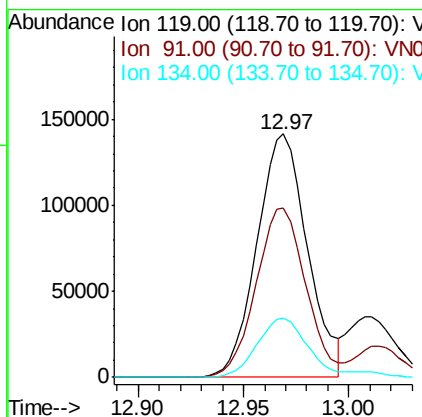
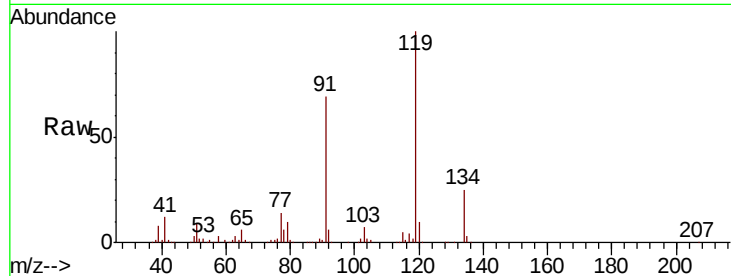




#83
 tert-Butylbenzene
 Concen: 19.139 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061435.D
 Acq: 18 May 2020 15:27

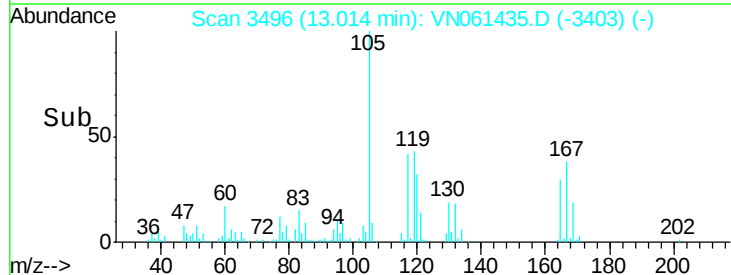
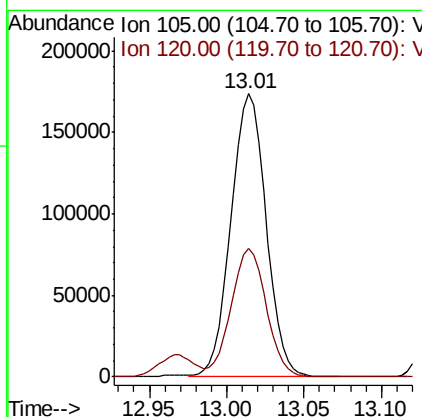
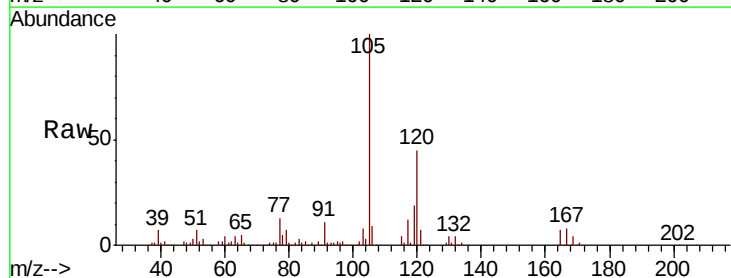
Instrument :
 MSVOA_N
 ClientSampled :

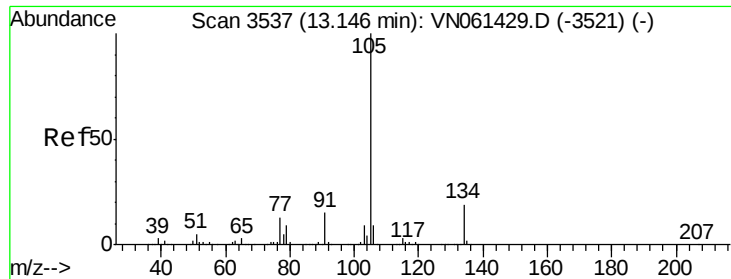
Tot Ion:119 Resp: 235847
 Ion Ratio Lower Upper
 119 100
 91 68.3 33.7 101.0
 134 25.8 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 18.975 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061435.D
 Acq: 18 May 2020 15:27

Tgt Ion:105 Resp: 273192
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.4 67.3





#85

sec-Butylbenzene

Concen: 19.147 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Instrument :

MSVOA_N

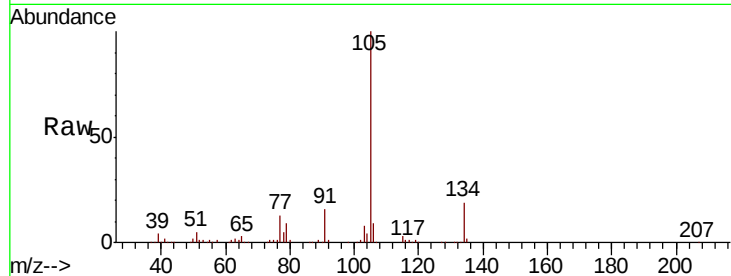
ClientSampled :

Tot Ion:105 Resp: 319043

Ion Ratio Lower Upper

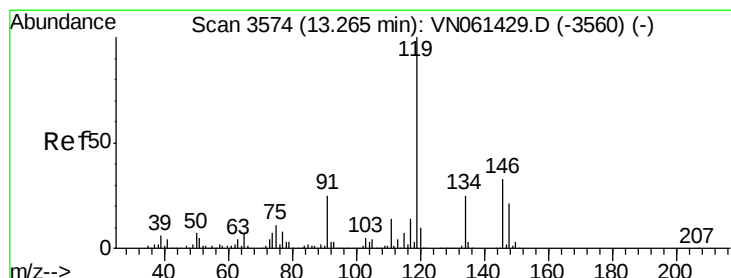
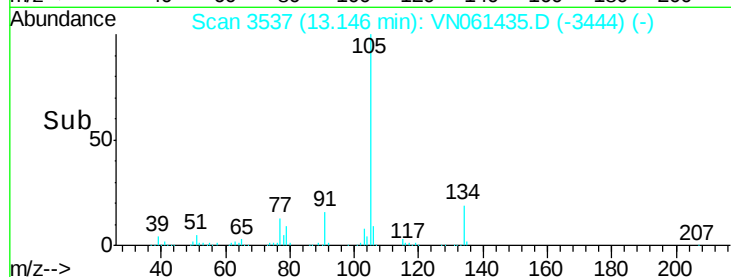
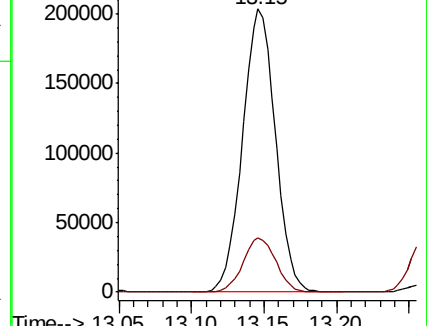
105 100

134 19.3 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.008 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

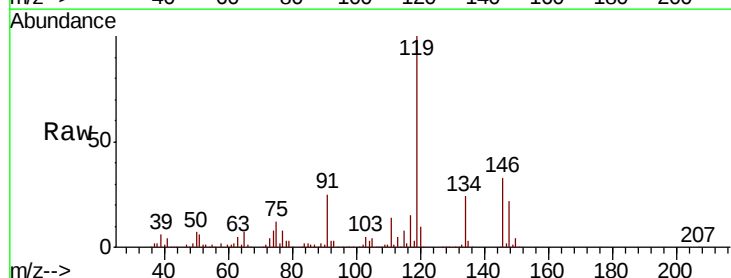
Tgt Ion:119 Resp: 281260

Ion Ratio Lower Upper

119 100

134 25.0 12.7 38.1

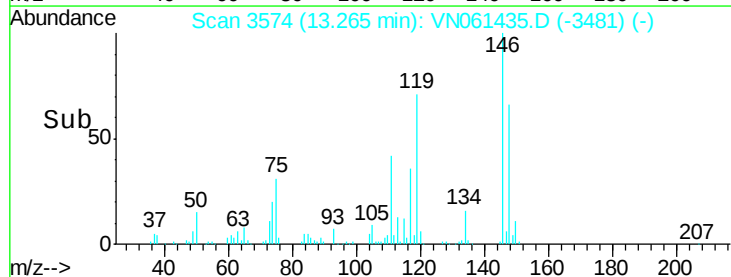
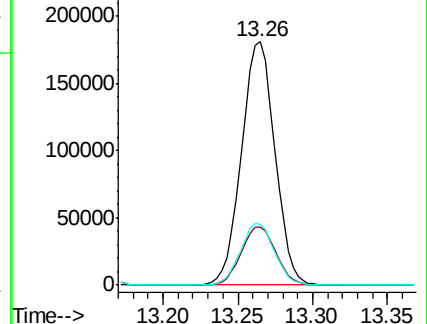
91 25.8 12.6 37.6

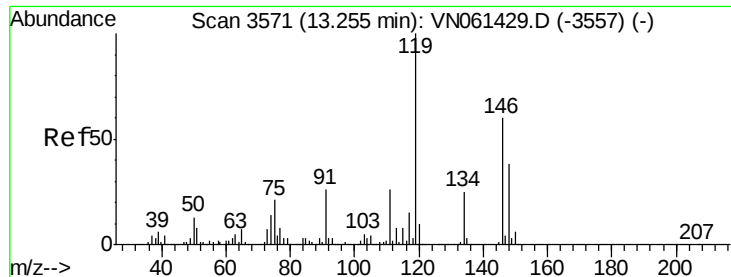


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

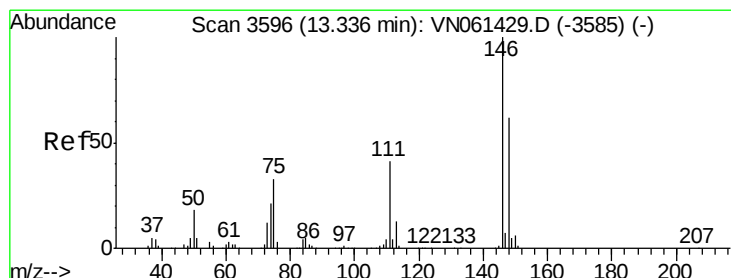
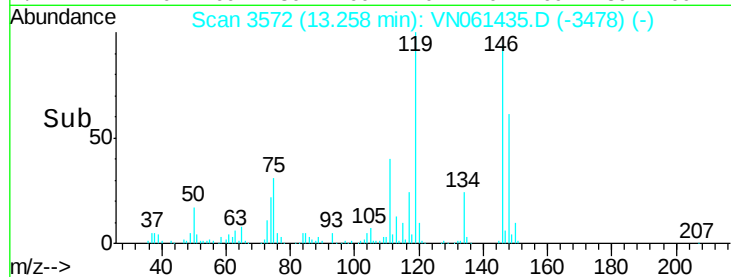
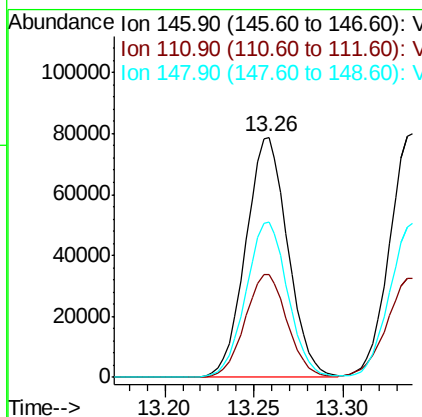
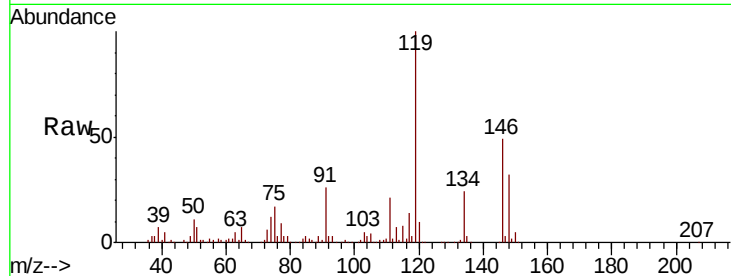




#87
 1,3-Dichlorobenzene
 Concen: 18.613 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061435.D
 Acq: 18 May 2020 15:27

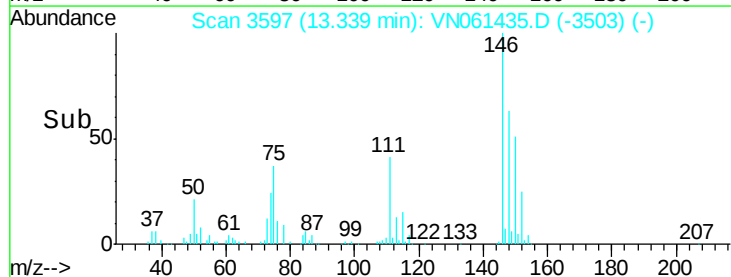
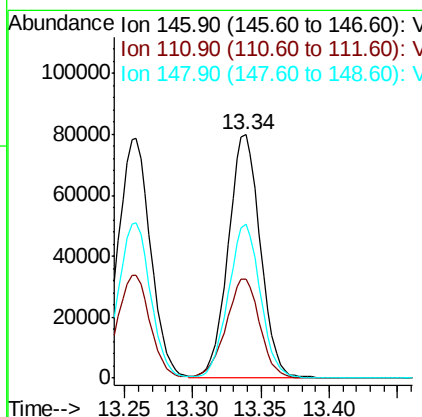
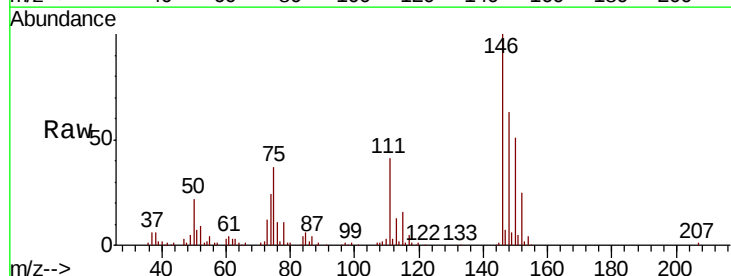
Instrument :
 MSVOA_N
 ClientSampled :

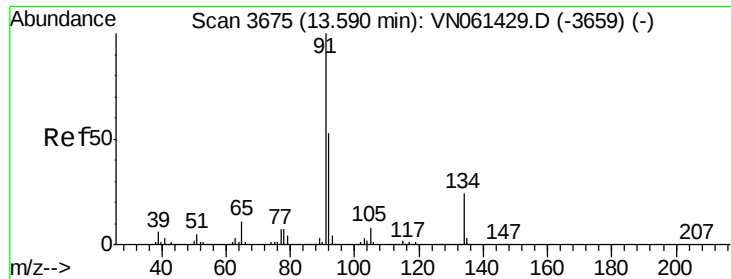
Tot Ion:146 Resp: 129890
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.5 64.5
 148 64.4 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 18.735 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061435.D
 Acq: 18 May 2020 15:27

Tgt Ion:146 Resp: 130938
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.8 62.5
 148 62.5 31.6 94.8





#89

n-Butylbenzene

Concen: 18.892 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Instrument :

MSVOA_N

ClientSampleId :

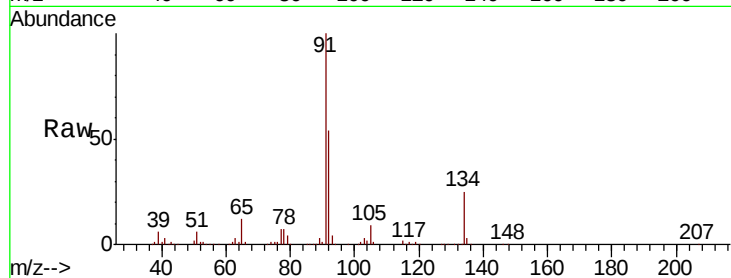
Tot Ion: 91 Resp: 253960

Ion Ratio Lower Upper

91 100

92 53.3 26.8 80.3

134 24.6 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0

13.59

200000

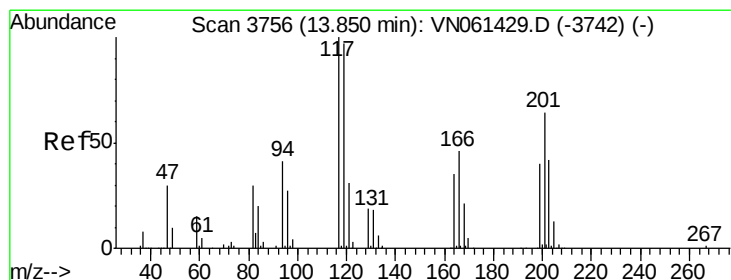
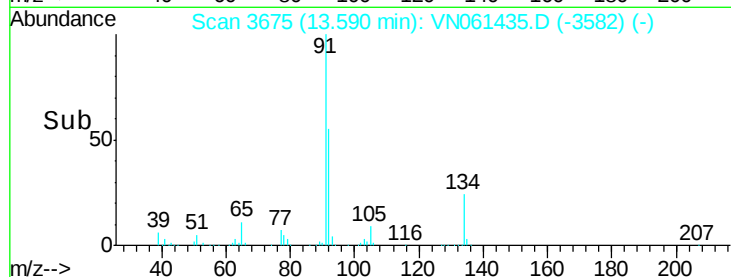
150000

100000

50000

0

Time--> 13.50 13.60 13.70



#90

Hexachloroethane

Concen: 19.002 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN061435.D

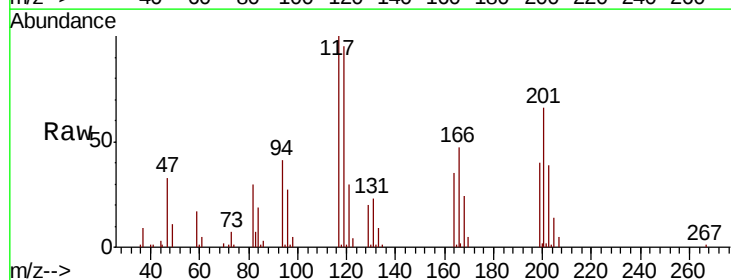
Acq: 18 May 2020 15:27

Tgt Ion: 117 Resp: 38105

Ion Ratio Lower Upper

117 100

201 65.2 32.9 98.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.85

25000

20000

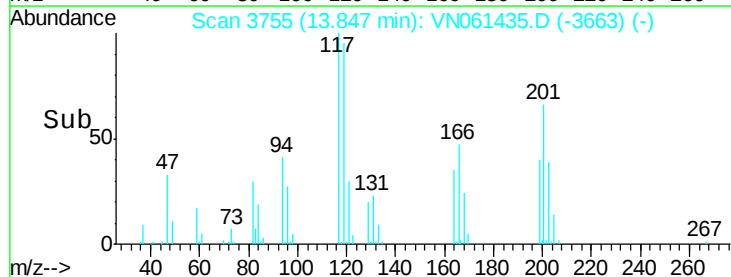
15000

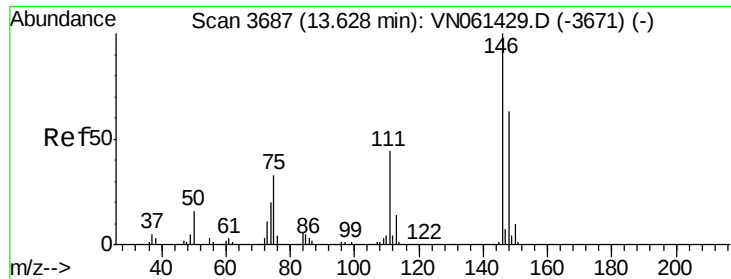
10000

5000

0

Time--> 13.80 13.85 13.90





#91

1,2-Dichlorobenzene

Concen: 19.017 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Instrument :

MSVOA_N

ClientSampleId :

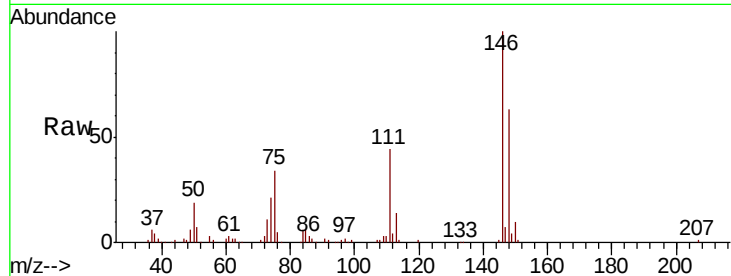
Tot Ion:146 Resp: 127304

Ion Ratio Lower Upper

146 100

111 44.0 21.9 65.7

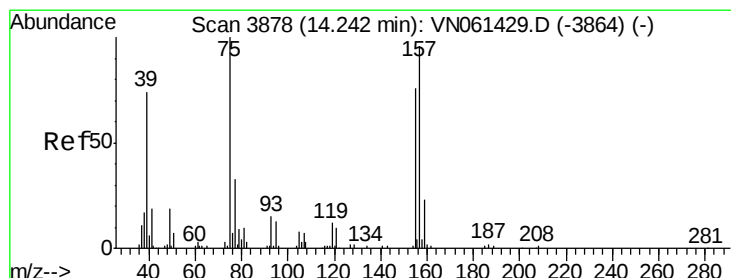
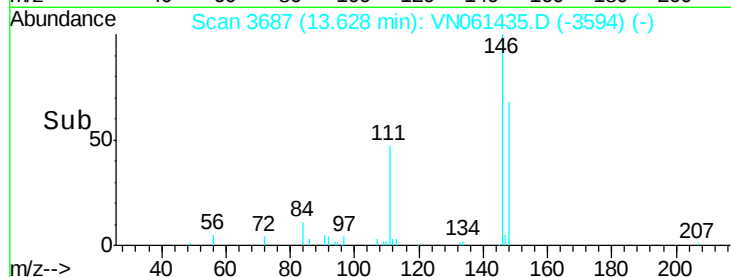
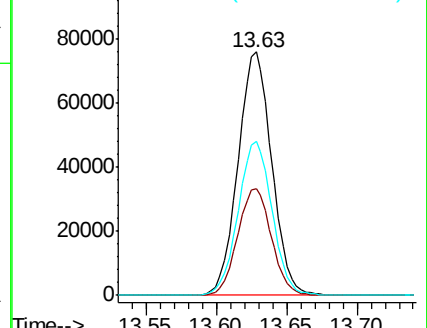
148 63.6 31.6 94.7



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: 19.692 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

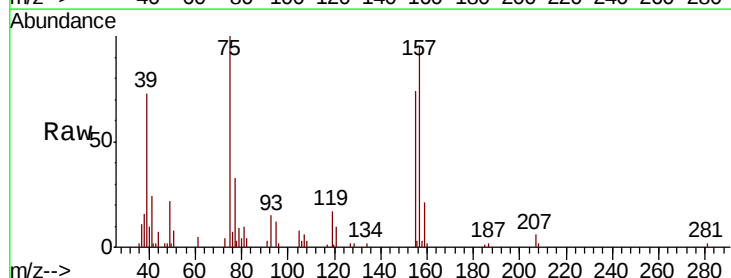
Tgt Ion: 75 Resp: 19229

Ion Ratio Lower Upper

75 100

155 74.0 38.9 116.7

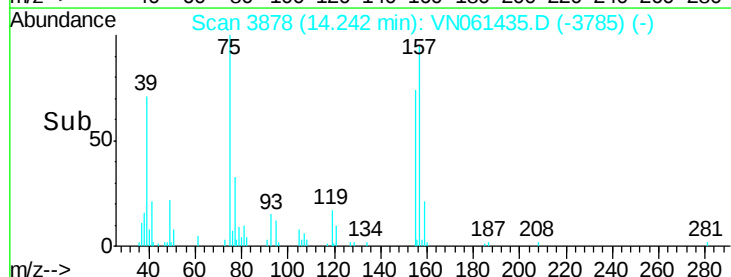
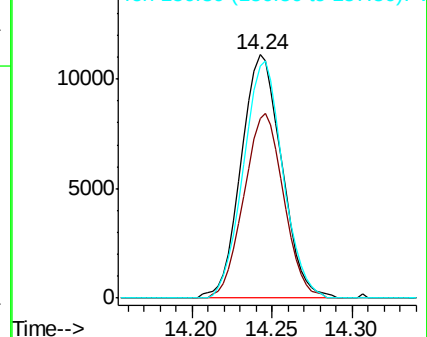
157 94.5 48.6 145.8



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

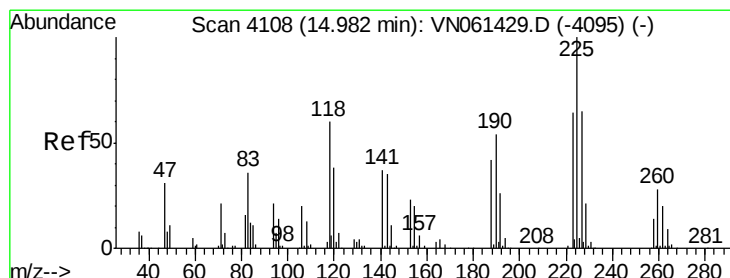
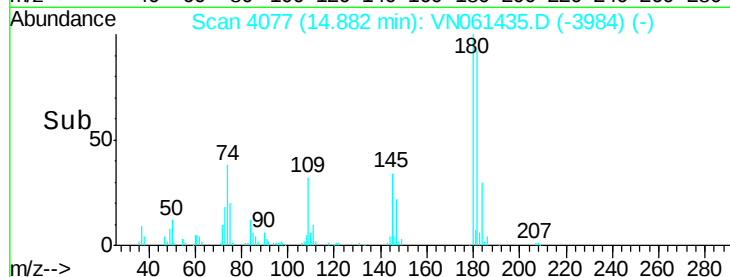
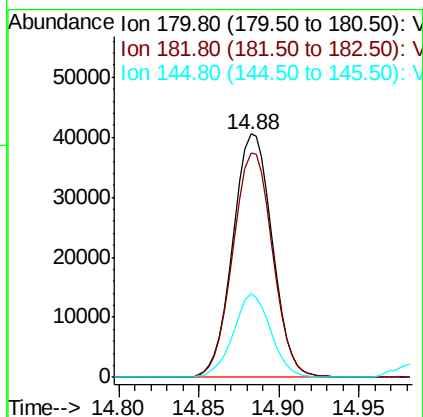
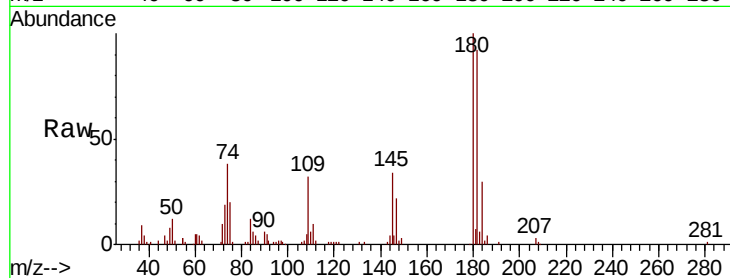




#93
 1,2,4-Trichlorobenzene
 Concen: 18.742 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061435.D
 Acq: 18 May 2020 15:27

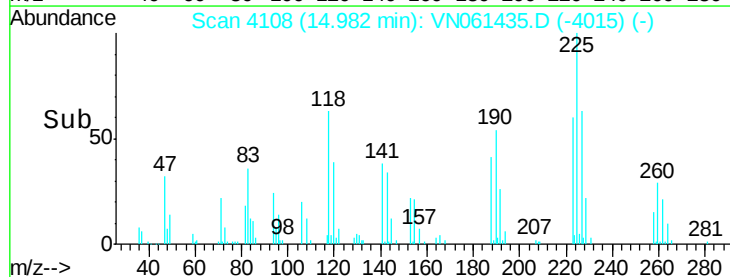
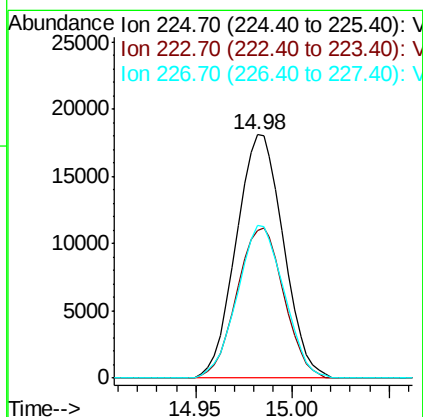
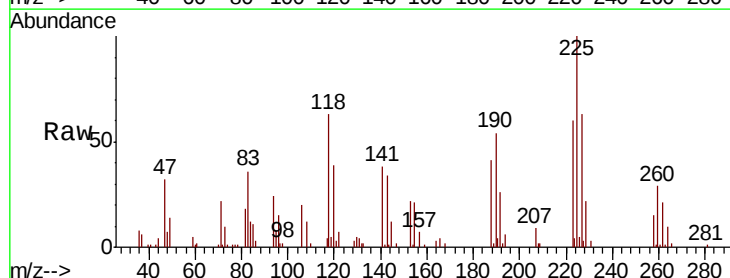
Instrument :
 MSVOA_N
 ClientSampled :

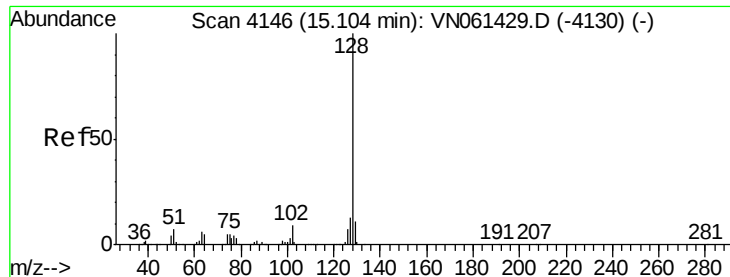
Tot Ion:180 Resp: 68028
 Ion Ratio Lower Upper
 180 100
 182 93.6 47.0 141.0
 145 32.6 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 19.043 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061435.D
 Acq: 18 May 2020 15:27

Tgt Ion:225 Resp: 30712
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.9 95.7
 227 62.1 31.5 94.5





#95

Naphthalene

Concen: 19.032 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

Instrument :

MSVOA_N

ClientSampleId :

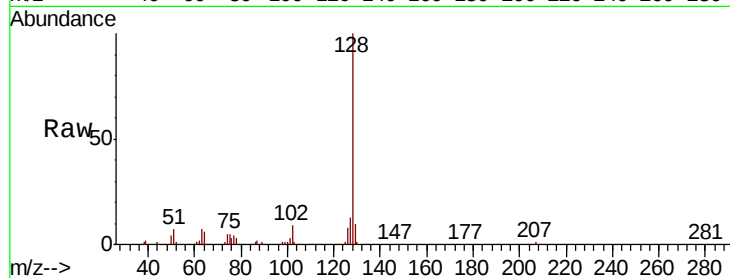
Tot Ion:128 Resp: 219608

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

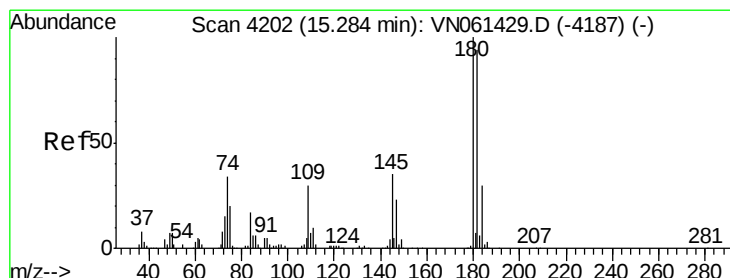
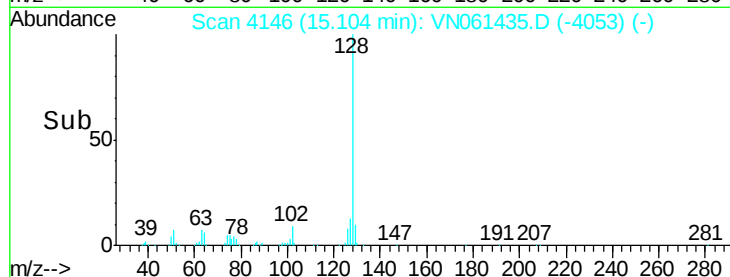
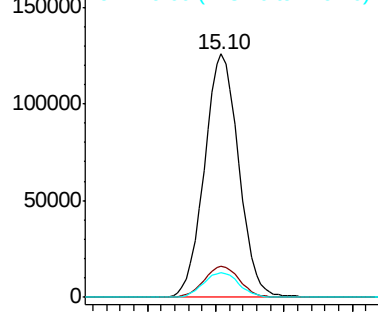
129 10.5 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.649 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061435.D

Acq: 18 May 2020 15:27

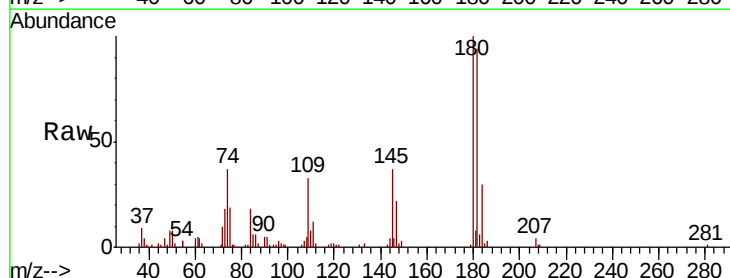
Tgt Ion:180 Resp: 67386

Ion Ratio Lower Upper

180 100

182 94.6 47.8 143.3

145 36.8 17.3 51.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

