

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061401.D
 Acq On : 14 May 2020 18:30
 Operator : JC/MD
 Sample : L2182-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 15 05:53:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	17746	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	103871	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	91846	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	49440	31.11	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.70%
60) 4-Bromofluorobenzene	12.38	95	44967	28.68	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.60%
63) Toluene-d8	10.06	98	131848	31.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	1891	2.340 ug/l	85
3) Chloromethane	2.03	50	4215	2.853 ug/l	96
4) Vinyl Chloride	2.16	62	5407	2.730 ug/l	96
5) Bromomethane	2.54	94	3721	3.699 ug/l	89
6) Chloroethane	2.67	64	3650	2.724 ug/l	98
7) Trichlorofluoromethane	2.98	101	5605	2.644 ug/l	96
8) Diethyl Ether	3.37	74	1637	2.428 ug/l	74
9) 1,1,2-Trichlorotrifluoroet	3.72	101	2331	2.575 ug/l	93
10) 1,1-Dichloroethene	3.70	96	2543	2.668 ug/l	82
11) Methyl Iodide	3.91	142	2969	2.878 ug/l	92
12) Methyl Acetate	4.28	43	2968	2.564 ug/l #	53
13) Acrolein	3.20	56	59	0.303 ug/l	100
14) Acrylonitrile	4.94	53	7234	13.313 ug/l #	74
15) Acetone	3.77	58	1098	8.414 ug/l	72
16) Carbon Disulfide	4.01	76	8785	3.279 ug/l	99
17) Allyl chloride	4.28	41	2381	1.241 ug/l	100
18) Methylene Chloride	4.50	84	1688	1.467 ug/l	94
19) trans-1,2-Dichloroethene	5.00	96	3132	2.761 ug/l	86
20) Diisopropyl ether	5.90	45	11143	2.495 ug/l	98
21) 1,1-Dichloroethane	5.80	63	6051	2.594 ug/l #	92
22) cis-1,2-Dichloroethene	6.79	96	3282	2.467 ug/l	90
23) tert-Butyl Alcohol	4.73	59	1539	8.835 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	9956	2.574 ug/l #	67
25) Chloroform	7.33	83	5449	2.410 ug/l	99
26) Cyclohexane	7.61	56	5793	2.601 ug/l #	96
29) 1,1-Dichloropropene	7.75	75	4503	2.470 ug/l	97
30) 2-Butanone	6.80	43	9579	12.423 ug/l #	96
31) 2,2-Dichloropropane	6.77	77	5548	2.605 ug/l #	88
32) 1,1,1-Trichloroethane	7.53	97	5083	2.492 ug/l #	84
33) Carbon Tetrachloride	7.73	117	3222	2.058 ug/l	98
34) Benzene	8.00	78	12842	2.490 ug/l #	2
35) Methacrylonitrile	7.12	41	1242	1.606 ug/l #	74
36) 1,2-Dichloroethane	8.09	62	4986	2.519 ug/l #	90
37) Trichloroethene	8.81	130	3122	2.459 ug/l	89
38) Methylcyclohexane	9.05	83	5562	2.542 ug/l	93
39) 1,2-Dichloropropane	9.09	63	3384	2.387 ug/l #	82
40) Dibromomethane	9.18	93	2283	2.607 ug/l	74

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	4492	2.365	ug/l	98
42) Vinyl Acetate	5.85	43	44641	12.192	ug/l	98
43) Ethyl Acetate	6.89	43	3181	1.931	ug/l	95
44) Isopropyl Acetate	8.13	43	7911	2.474	ug/l #	88
45) 1,4-Dioxane	9.17	88	874	69.259	ug/l #	73
46) Methyl methacrylate	9.17	41	3665	2.437	ug/l	95
47) n-amyl Acetate	12.05	43	6787	2.380	ug/l	94
48) t-1,3-Dichloropropene	10.35	75	5331	2.378	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	5663	2.388	ug/l	94
50) 1,1,2-Trichloroethane	10.54	97	2892	2.389	ug/l	96
51) Ethyl methacrylate	10.40	69	4824	2.313	ug/l	98
52) 1,3-Dichloropropane	10.68	76	5252	2.376	ug/l	97
53) Dibromochloromethane	10.88	129	2903	2.188	ug/l	98
54) 1,2-Dibromoethane	10.98	107	3057	2.447	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	10785	11.683	ug/l	100
56) Bromoform	12.10	173	1699	2.037	ug/l #	69
58) 4-Methyl-2-Pentanone	9.95	43	22112	13.212	ug/l	97
59) 2-Hexanone	10.72	43	15918	13.446	ug/l	99
61) Tetrachloroethene	10.60	164	2687	2.339	ug/l	87
62) Toluene	10.12	91	13375	2.511	ug/l	99
64) Chlorobenzene	11.41	112	8025	2.546	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	2564	2.226	ug/l	93
66) Ethyl Benzene	11.49	91	14747	2.413	ug/l	99
67) m/p-Xylenes	11.59	106	10923	4.840	ug/l	99
68) o-Xylene	11.92	106	4957	2.301	ug/l	94
69) Styrene	11.94	104	8018	2.163	ug/l	97
70) Isopropylbenzene	12.22	105	13803	2.365	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	4168	2.585	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	5619	3.654	ug/l	67
73) Bromobenzene	12.50	156	2826	2.331	ug/l	83
74) n-propylbenzene	12.57	91	16370	2.359	ug/l	99
75) 2-Chlorotoluene	12.65	91	9861	2.478	ug/l	92
76) 1,3,5-Trimethylbenzene	12.71	105	11093	2.265	ug/l	98
77) t-1,4-Dichloro-2-butene	12.28	75	1400	2.187	ug/l	94
78) 4-Chlorotoluene	12.75	91	9783	2.348	ug/l	93
79) tert-butylbenzene	12.97	119	9599	2.359	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	11298	2.311	ug/l	98
81) sec-Butylbenzene	13.15	105	13014	2.322	ug/l	98
82) p-Isopropyltoluene	13.27	119	11340	2.247	ug/l	96
83) 1,3-Dichlorobenzene	13.26	146	5128	2.276	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	5025	2.254	ug/l	99
85) n-Butylbenzene	13.59	91	11075	2.370	ug/l	99
86) Hexachloroethane	13.85	117	1614	2.294	ug/l	78
87) 1,2-Dichlorobenzene	13.63	146	4851	2.270	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.25	75	840	2.444	ug/l #	76
89) 1,2,4-Trichlorobenzene	14.89	180	2738	2.230	ug/l	94
90) Hexachlorobutadiene	14.99	225	1307	2.613	ug/l	95
91) Naphthalene	15.11	128	10795	2.795	ug/l	98
92) 1,2,3-Trichlorobenzene	15.29	180	3045	2.553	ug/l	98

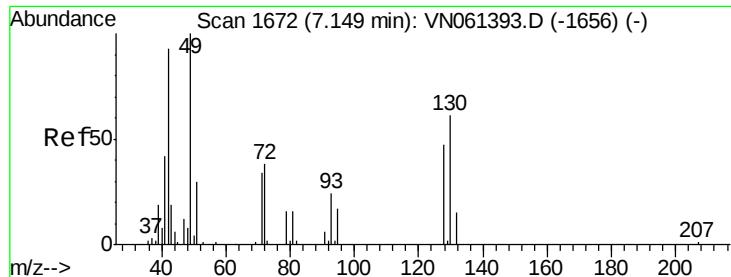
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QLast Update : Thu May 14 16:04:10 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :

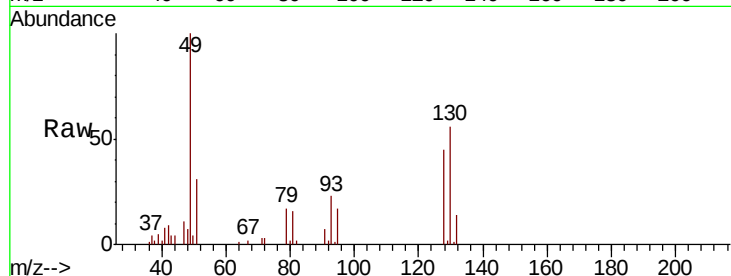
Tot Ion:128 Resp: 17746

Ion Ratio Lower Upper

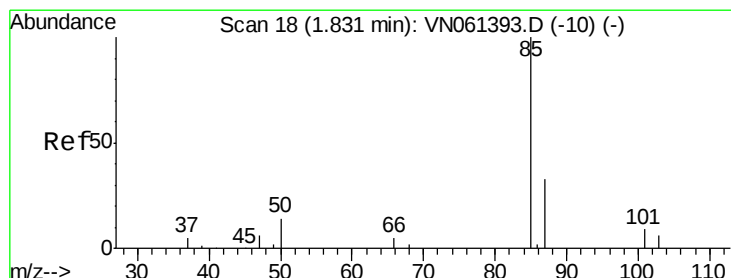
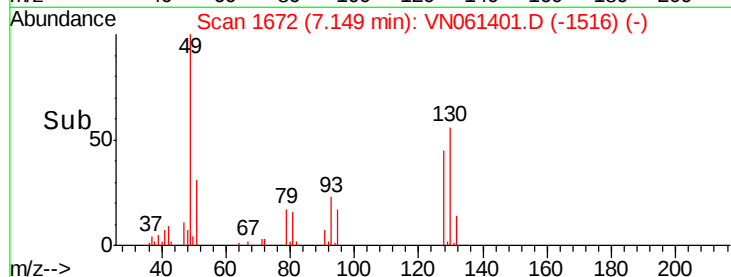
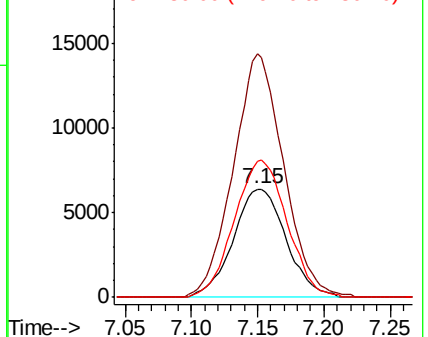
128 100

49 213.5 0.0 453.5

130 126.5 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 2.340 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061401.D

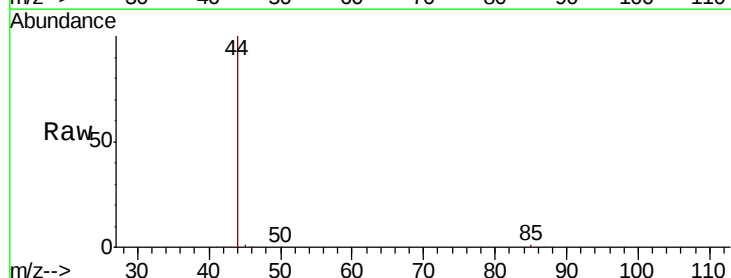
Acq: 14 May 2020 18:30

Tgt Ion: 85 Resp: 1891

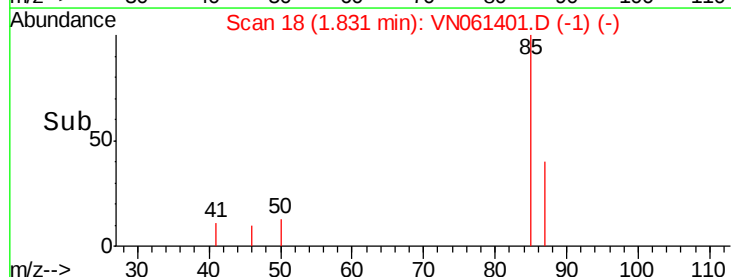
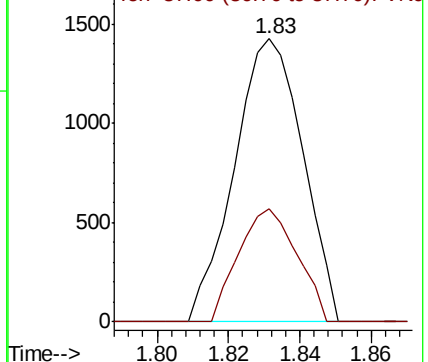
Ion Ratio Lower Upper

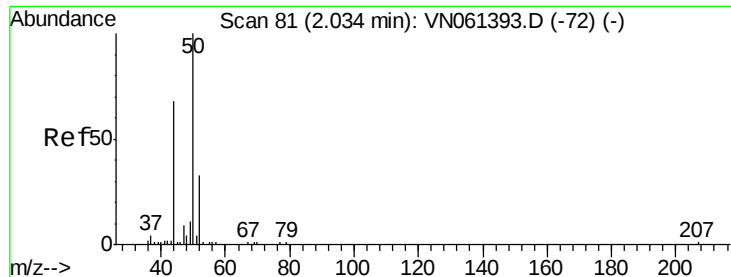
85 100

87 39.7 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 2.853 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

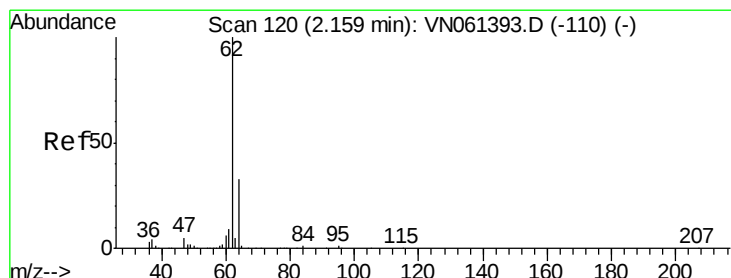
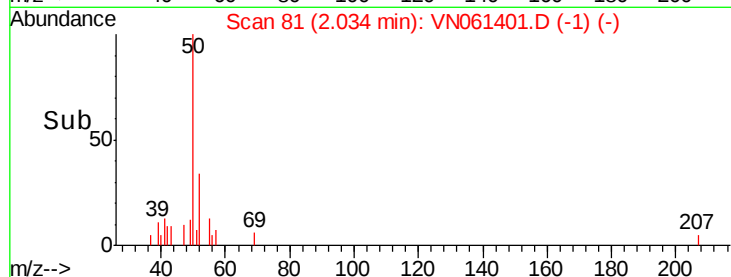
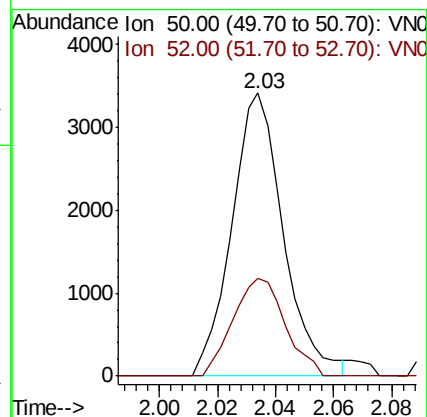
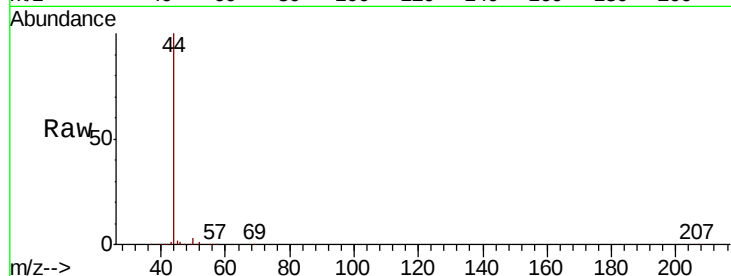
ClientSampleId :

Tot Ion: 50 Resp: 4215

Ion Ratio Lower Upper

50 100

52 34.4 25.8 38.8



#4

Vinyl Chloride

Concen: 2.730 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061401.D

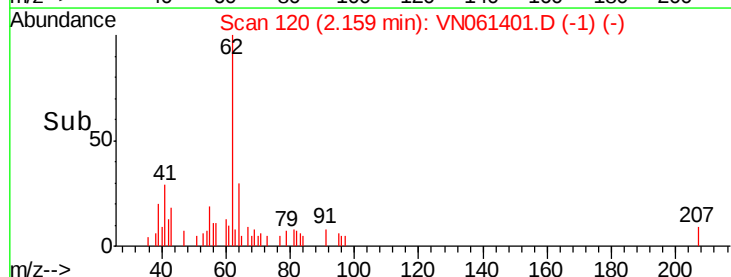
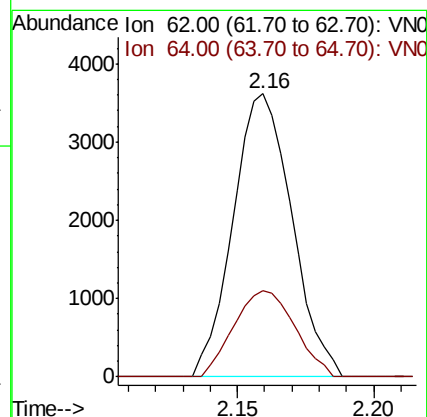
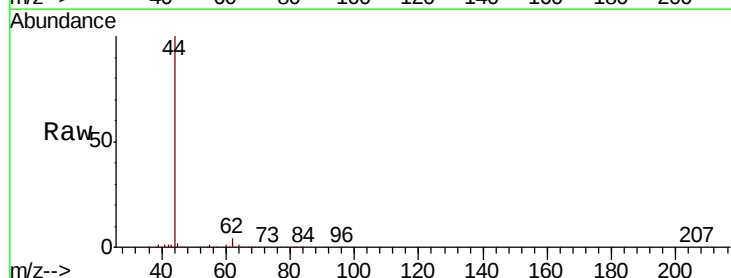
Acq: 14 May 2020 18:30

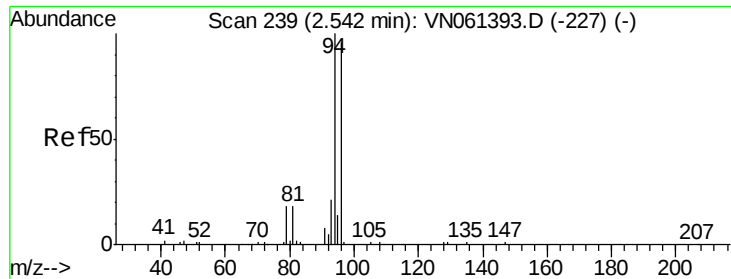
Tgt Ion: 62 Resp: 5407

Ion Ratio Lower Upper

62 100

64 30.5 26.1 39.1





#5

Bromomethane

Concen: 3.699 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

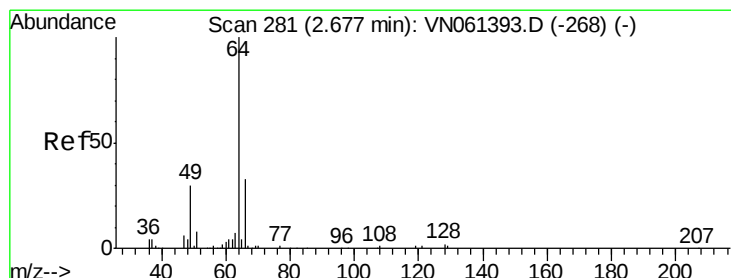
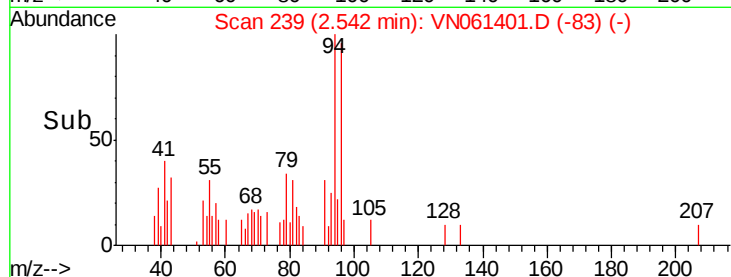
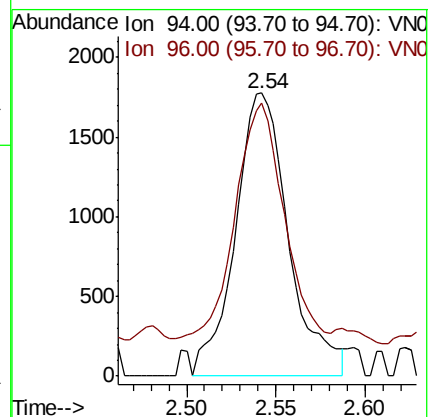
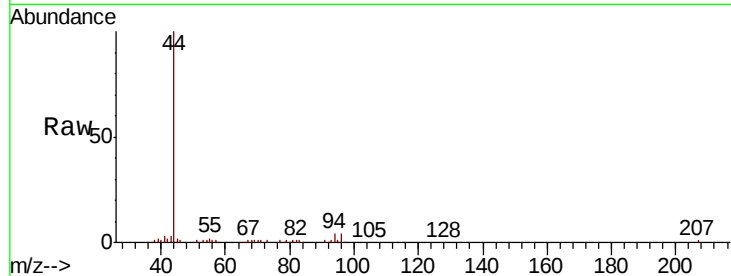
ClientSampled :

Tot Ion: 94 Resp: 3721

Ion Ratio Lower Upper

94 100

96 81.4 73.7 110.5



#6

Chloroethane

Concen: 2.724 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061401.D

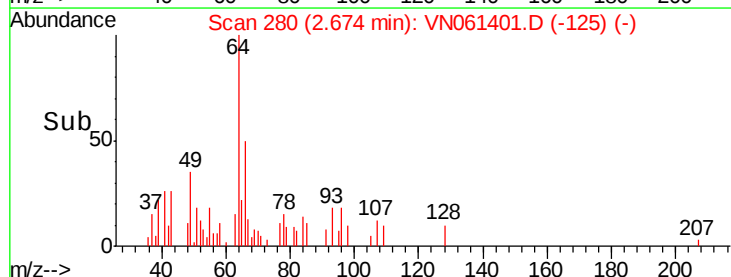
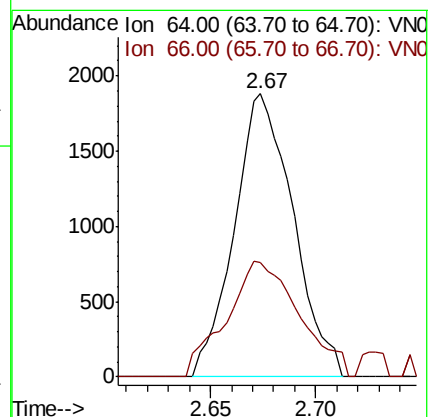
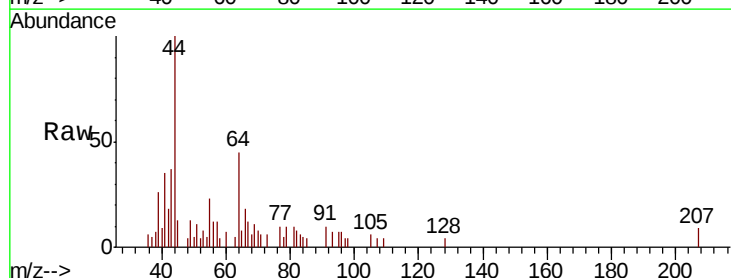
Acq: 14 May 2020 18:30

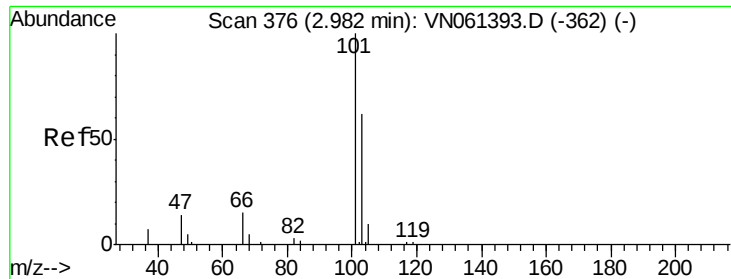
Tgt Ion: 64 Resp: 3650

Ion Ratio Lower Upper

64 100

66 31.9 24.6 36.8



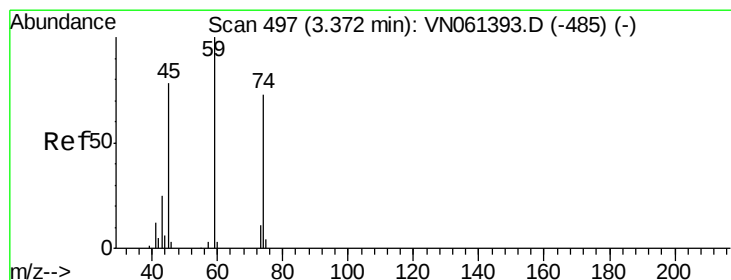
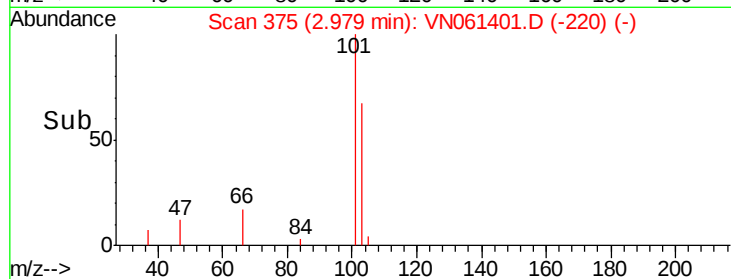
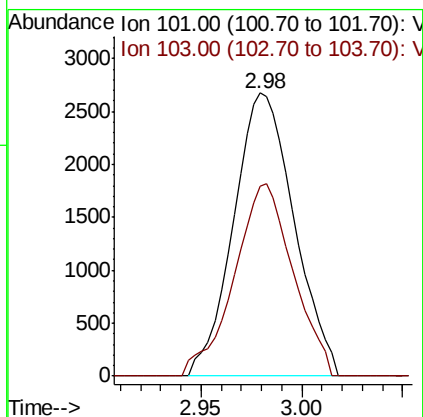
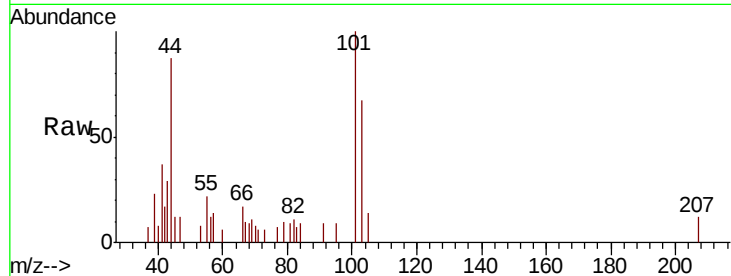


#7

Trichlorofluoromethane
 Concen: 2.644 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :

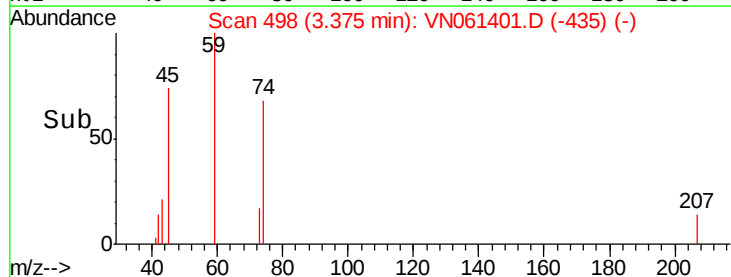
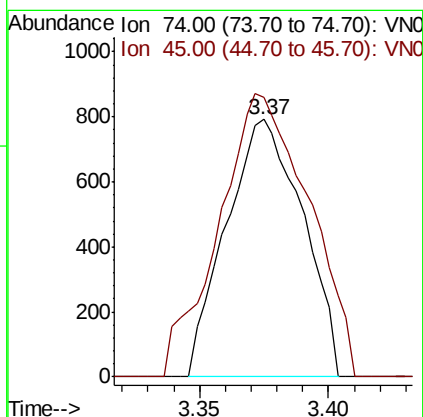
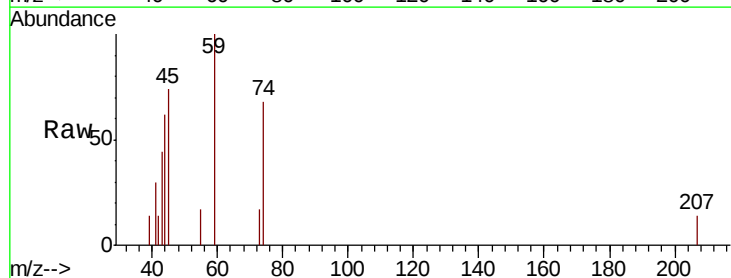
Tot Ion:101 Resp: 5605
 Ion Ratio Lower Upper
 101 100
 103 67.2 51.5 77.3

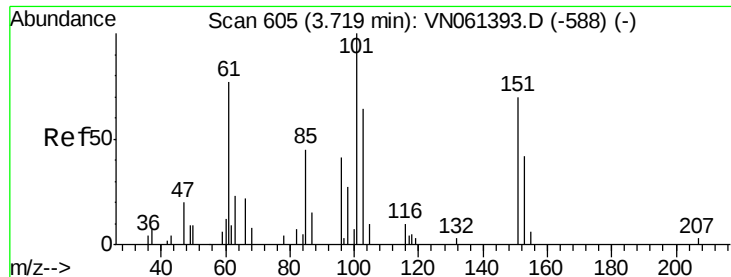


#8

Diethyl Ether
 Concen: 2.428 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion: 74 Resp: 1637
 Ion Ratio Lower Upper
 74 100
 45 129.4 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.575 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

ClientSampled :

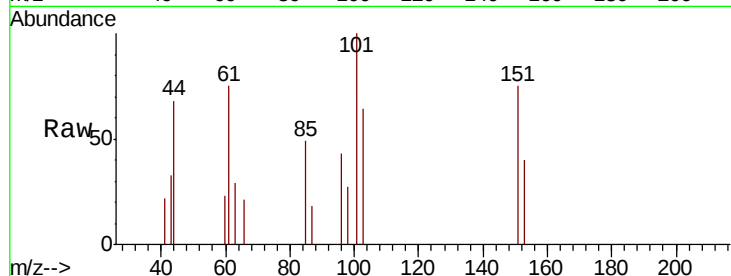
Tot Ion:101 Resp: 2331

Ion Ratio Lower Upper

101 100

85 46.0 0.0 93.8

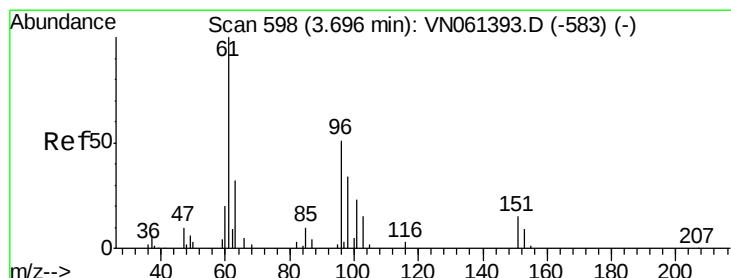
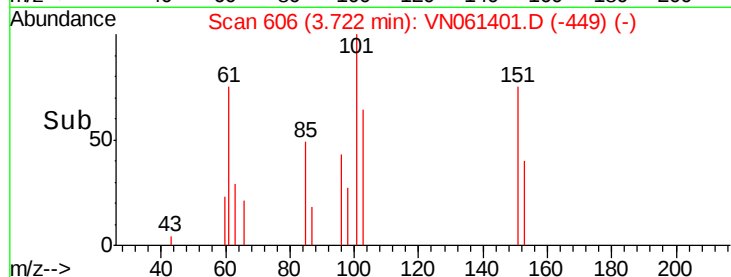
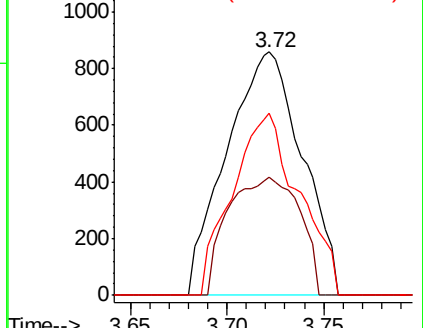
151 66.1 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 2.668 ug/l

RT: 3.70 min Scan# 599

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

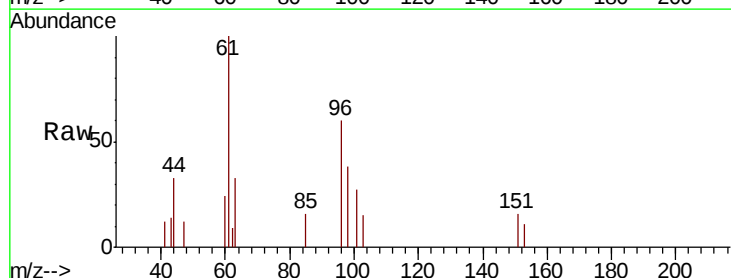
Tgt Ion: 96 Resp: 2543

Ion Ratio Lower Upper

96 100

61 150.6 148.5 222.7

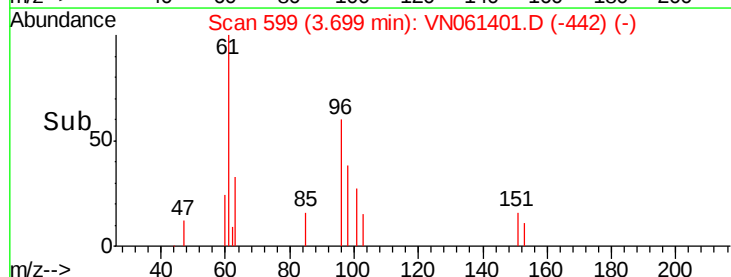
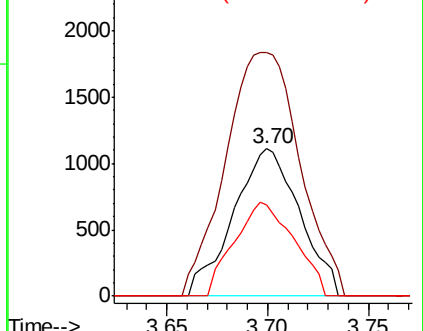
98 62.3 51.0 76.6

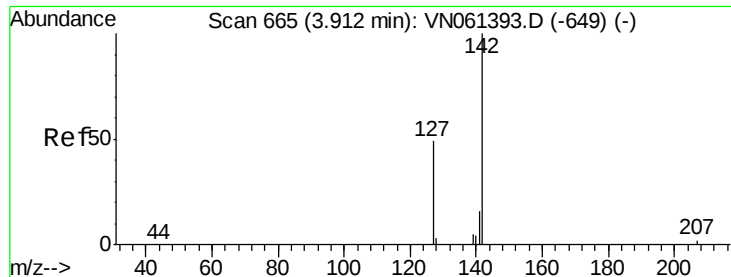


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

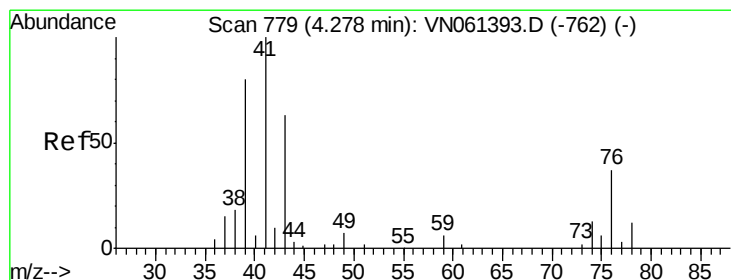
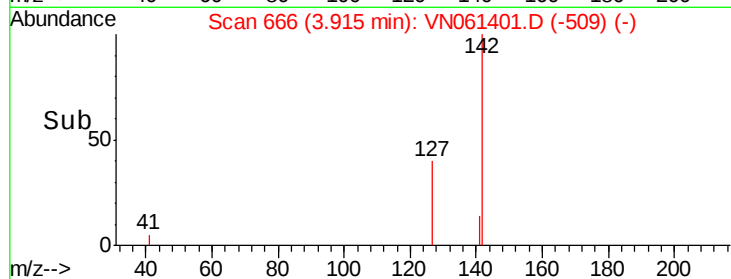
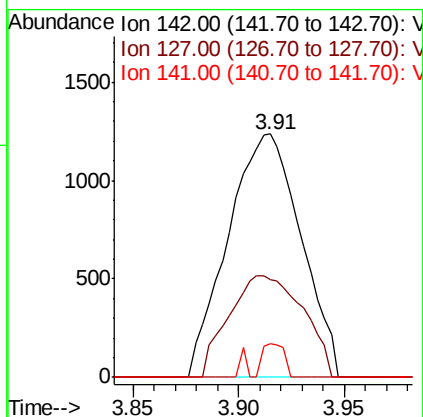
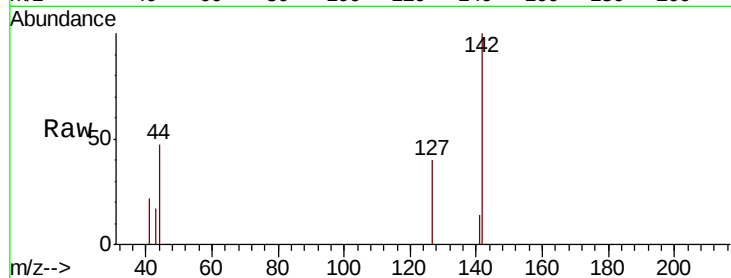




#11
Methvl Iodide
Concen: 2.878 ug/l
RT: 3.91 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

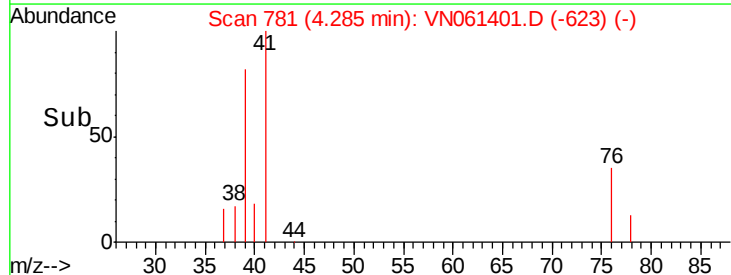
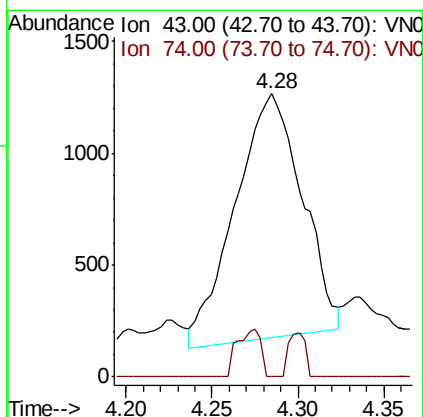
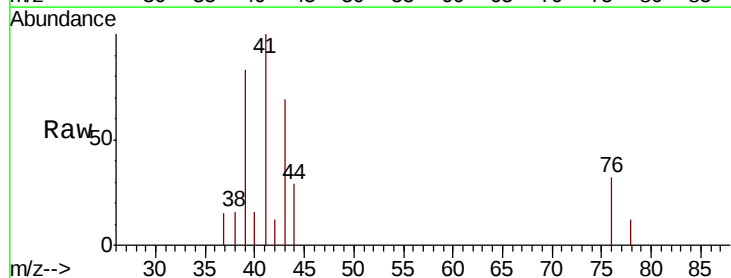
Instrument :
MSVOA_N
ClientSampleId :

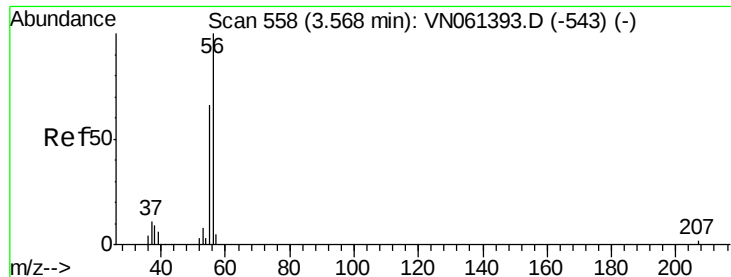
Tot Ion:142 Resp: 2969
Ion Ratio Lower Upper
142 100
127 40.2 23.5 70.6
141 14.1 7.4 22.2



#12
Methyl Acetate
Concen: 2.564 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion: 43 Resp: 2968
Ion Ratio Lower Upper
43 100
74 0.0 18.1 27.1#





#13

Acrolein

Concen: 0.303 ug/l

RT: 3.20 min Scan# 443

Delta R.T. -0.37 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

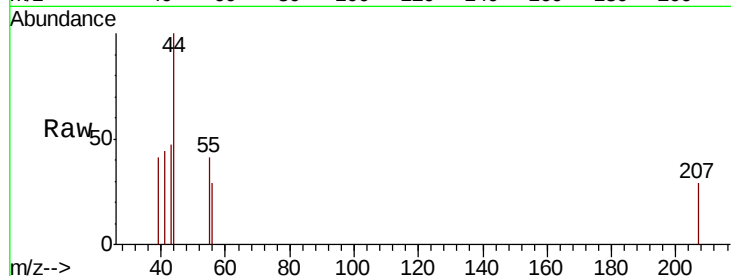
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 59

Ion Ratio Lower Upper

56 100

55 69.5 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VN061401.D (-402) (-)

Ion 55.00 (54.70 to 55.70): VN061401.D (-402) (-)

250

200

150

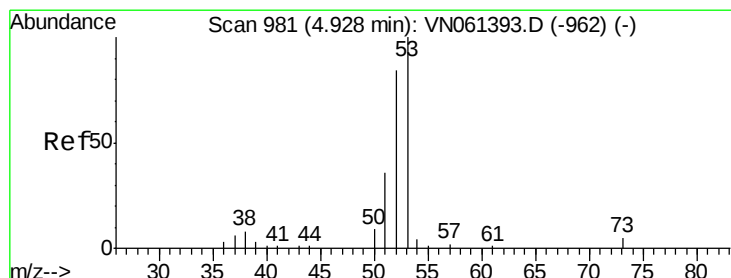
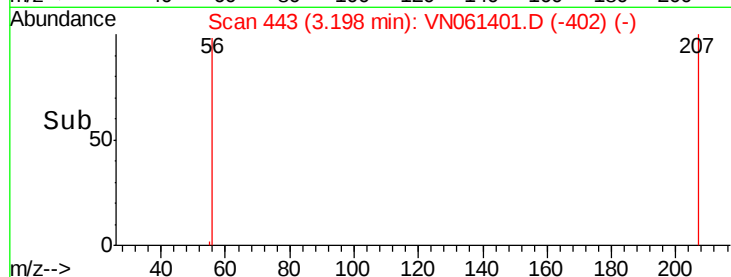
100

50

0

3.20

Time--> 3.19 3.19 3.20 3.21



#14

Acrylonitrile

Concen: 13.313 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.01 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

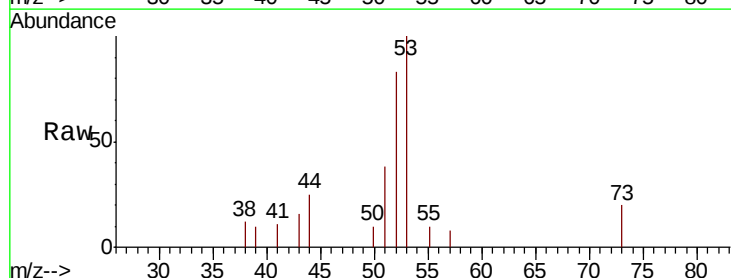
Tgt Ion: 53 Resp: 7234

Ion Ratio Lower Upper

53 100

52 73.5 42.2 126.6

51 2.4 18.8 56.4#



Abundance Ion 53.00 (52.70 to 53.70): VN061401.D (-825) (-)

Ion 52.00 (51.70 to 52.70): VN061401.D (-825) (-)

Ion 51.00 (50.70 to 51.70): VN061401.D (-825) (-)

2500

2000

1500

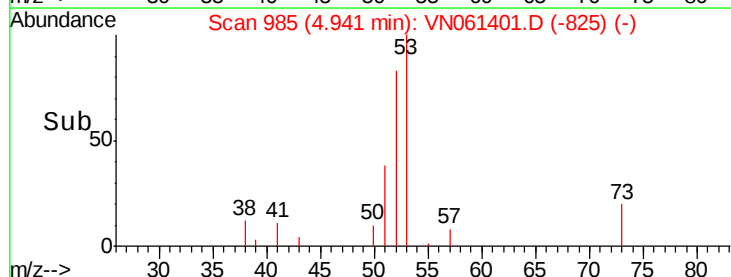
1000

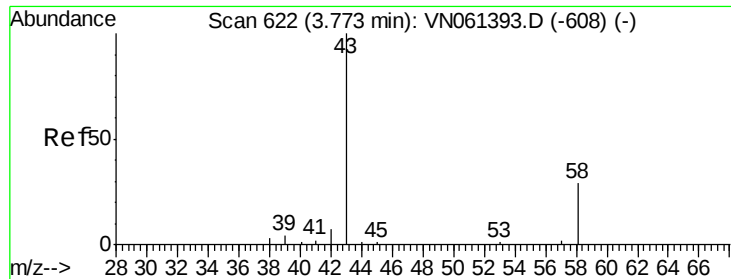
500

0

4.94

Time--> 4.85 4.90 4.95 5.00 5.05





#15

Acetone

Concen: 8.414 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

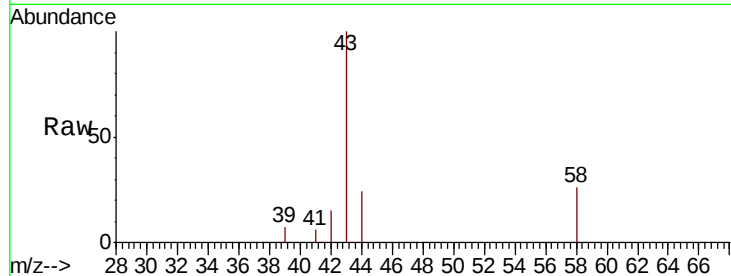
ClientSampleId :

Tot Ion: 58 Resp: 1098

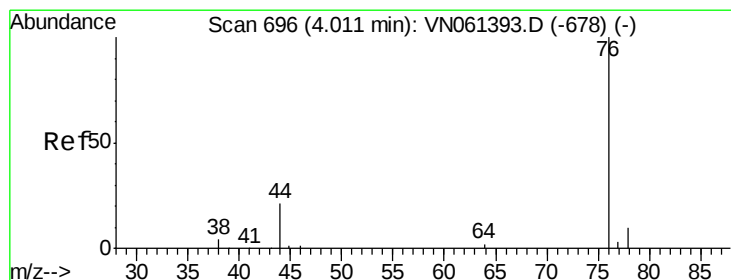
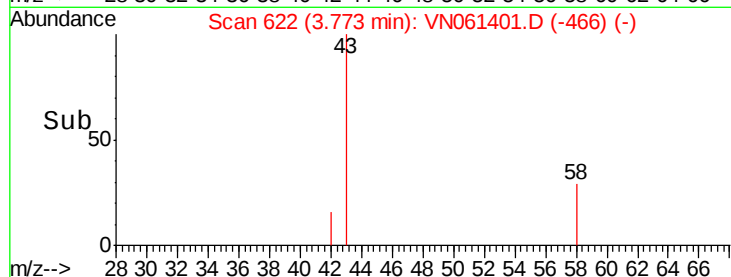
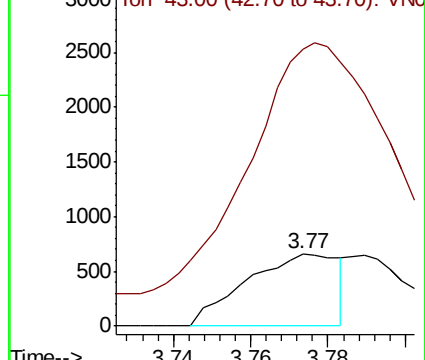
Ion Ratio Lower Upper

58 100

43 291.2 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VN061401.D (-466) (-)



#16

Carbon Disulfide

Concen: 3.279 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061401.D

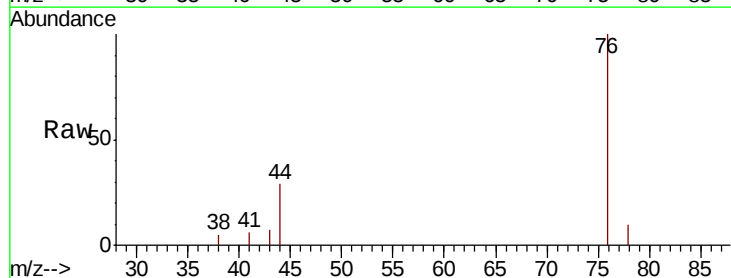
Acq: 14 May 2020 18:30

Tgt Ion: 76 Resp: 8785

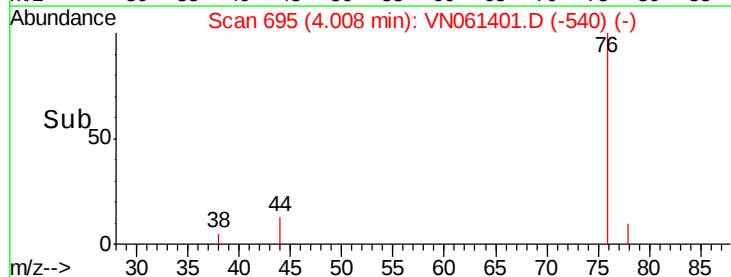
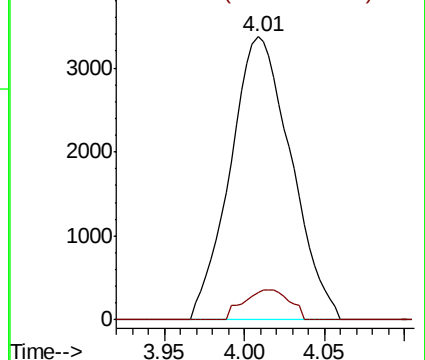
Ion Ratio Lower Upper

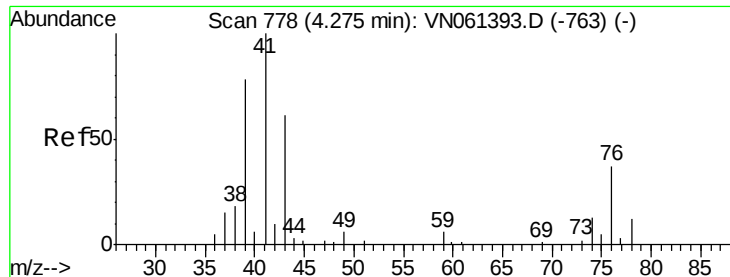
76 100

78 9.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN061401.D (-540) (-)

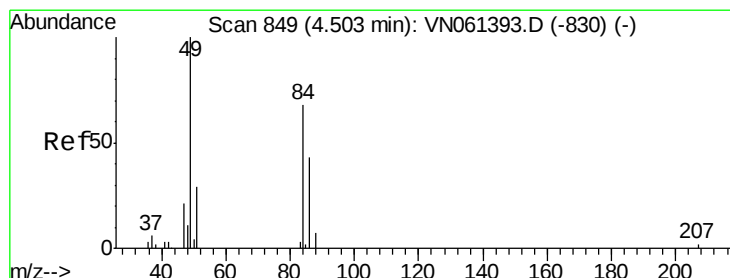
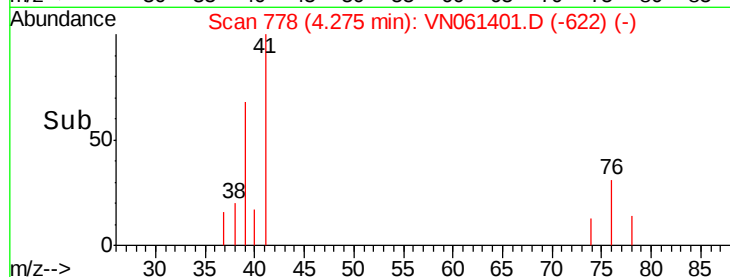
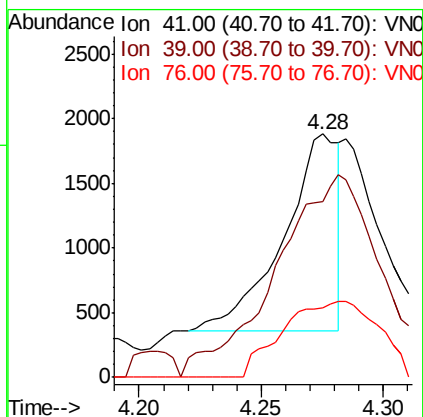
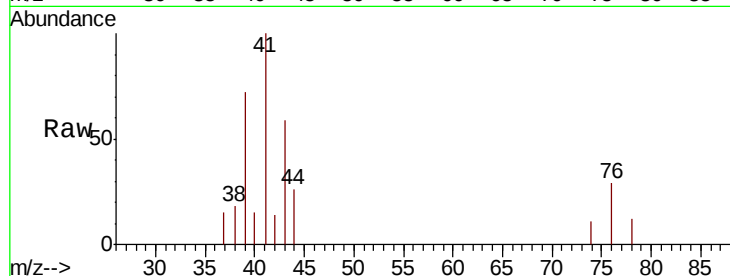




#17
Allvl chloride
Concen: 1.241 ug/l
RT: 4.28 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

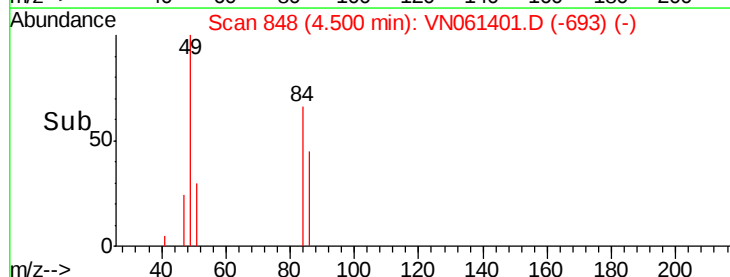
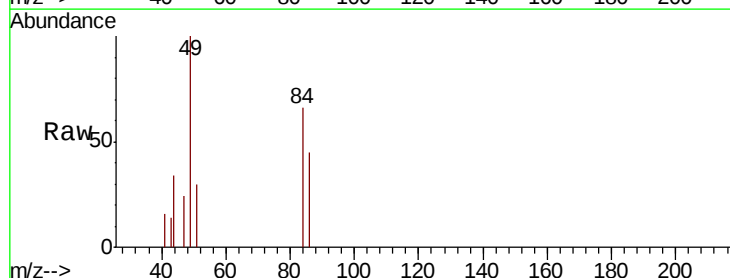
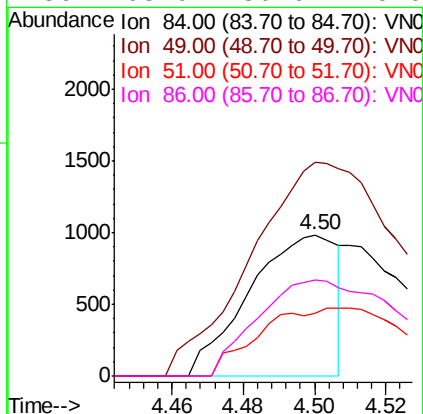
Instrument :
MSVOA_N
ClientSampled :

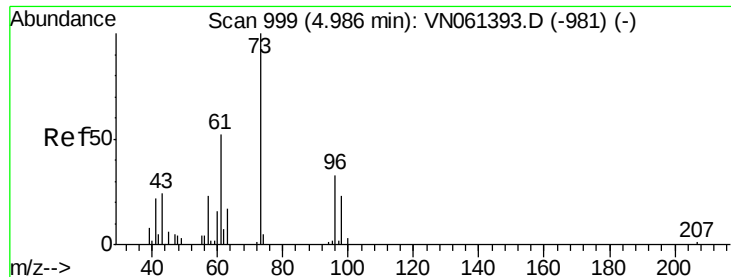
Tot Ion: 41 Resp: 2381
Ion Ratio Lower Upper
41 100
39 78.8 39.6 118.8
76 35.4 17.6 52.9



#18
Methylene Chloride
Concen: 1.467 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion: 84 Resp: 1688
Ion Ratio Lower Upper
84 100
49 127.4 106.6 160.0
51 44.9 32.4 48.6
86 68.0 50.6 76.0

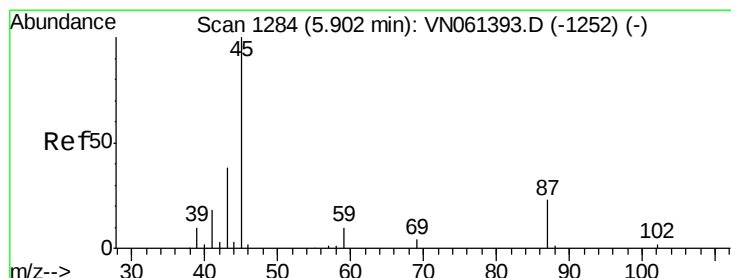
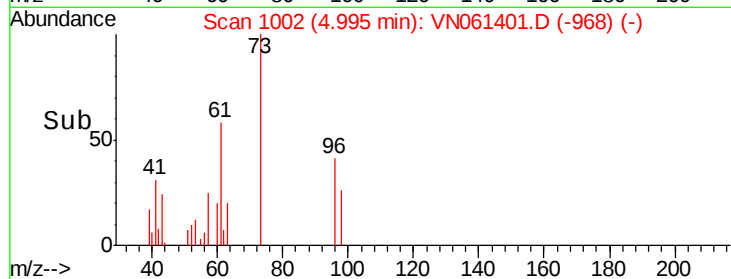
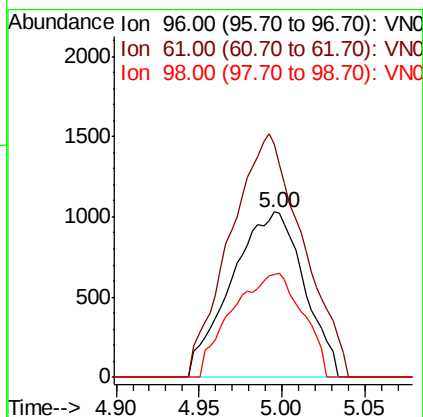
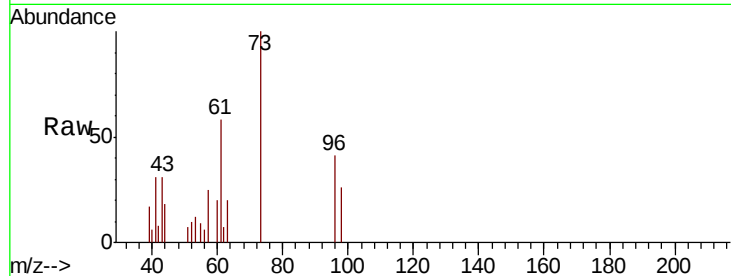




#19
trans-1,2-Dichloroethene
Concen: 2.761 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

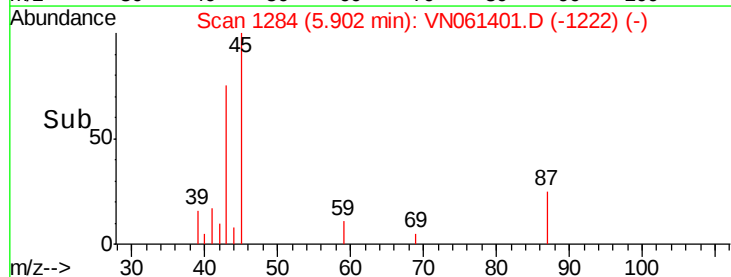
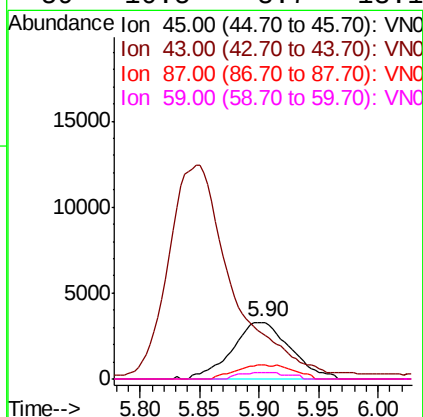
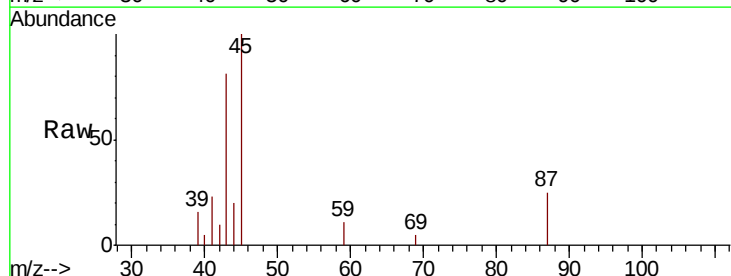
Instrument :
MSVOA_N
ClientSampleId :

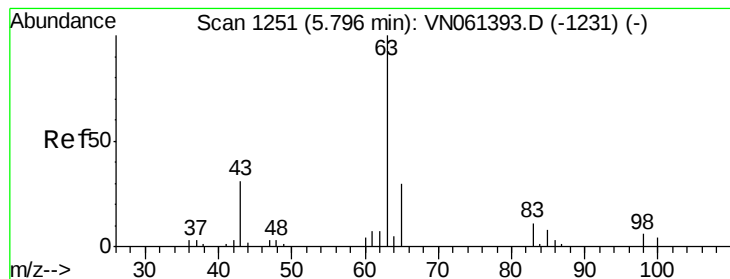
Tot Ion: 96 Resp: 3132
Ion Ratio Lower Upper
96 100
61 140.7 131.8 197.6
98 62.4 52.6 79.0



#20
Diisopropyl ether
Concen: 2.495 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion: 45 Resp: 11143
Ion Ratio Lower Upper
45 100
43 69.8 54.7 82.1
87 24.6 21.5 32.3
59 10.5 8.7 13.1

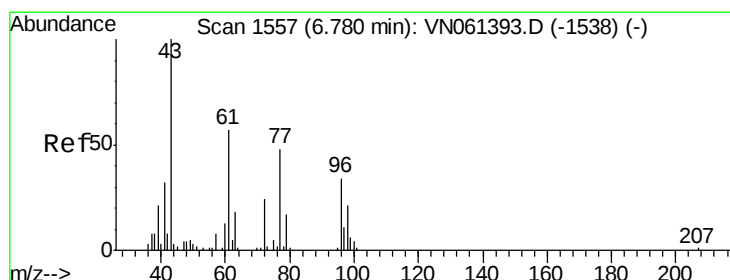
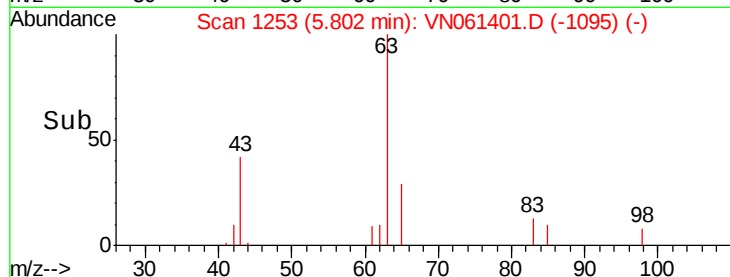
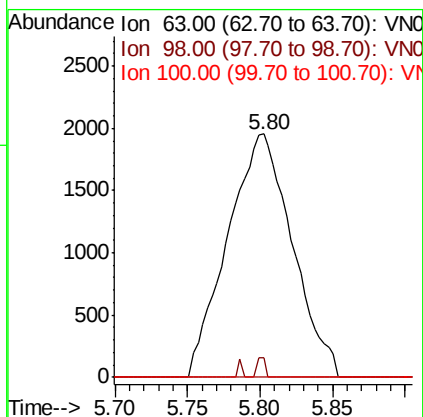
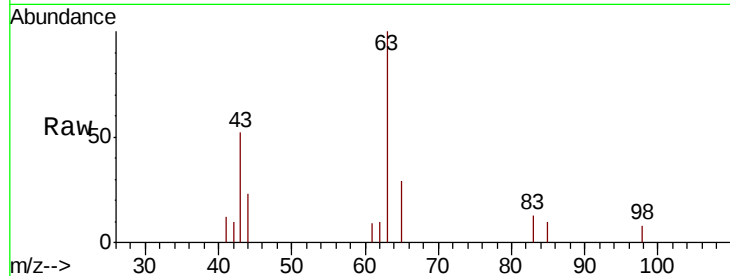




#21
 1,1-Dichloroethane
 Concen: 2.594 ug/l
 RT: 5.80 min Scan# 1253
 Delta R.T. 0.01 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

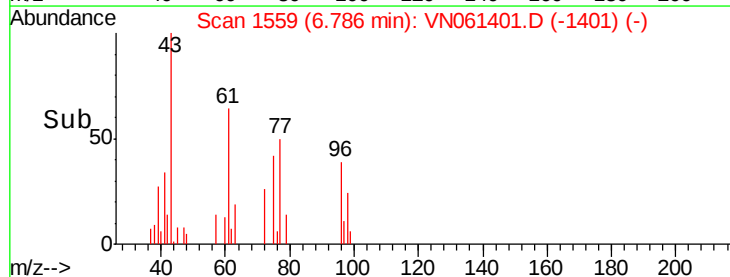
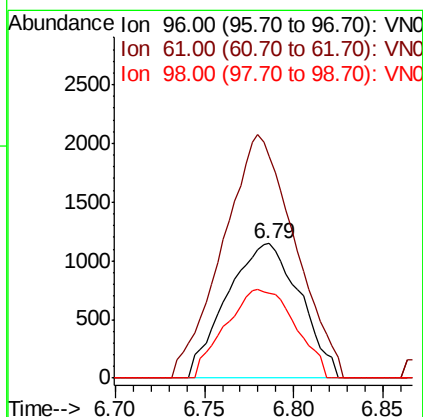
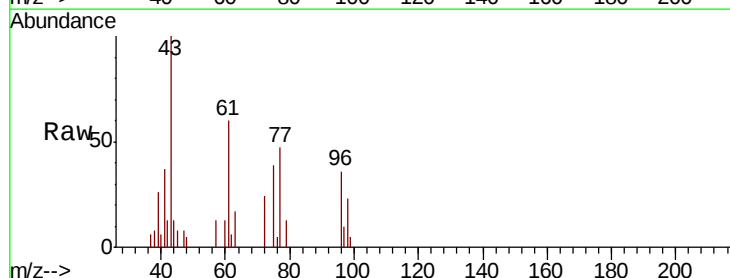
Instrument :
 MSVOA_N
 ClientSampled :

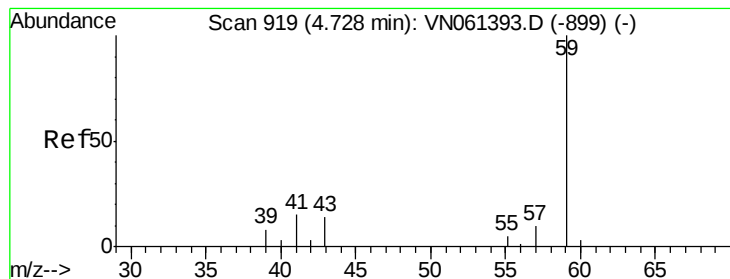
Tot Ion: 63 Resp: 6051
 Ion Ratio Lower Upper
 63 100
 98 7.9 2.9 8.6
 100 0.0 1.8 5.5#



#22
 cis-1,2-Dichloroethene
 Concen: 2.467 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. 0.01 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion: 96 Resp: 3282
 Ion Ratio Lower Upper
 96 100
 61 177.5 127.2 190.8
 98 62.7 50.5 75.7



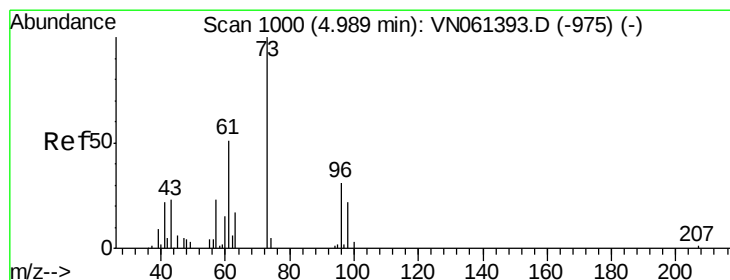
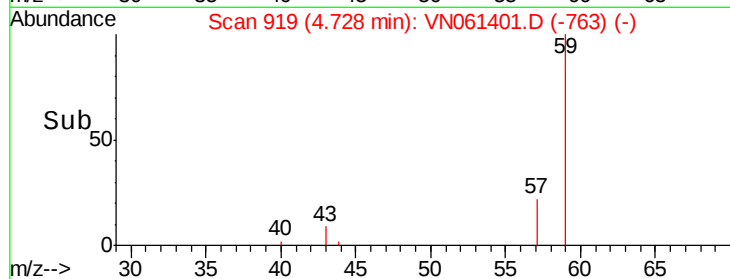
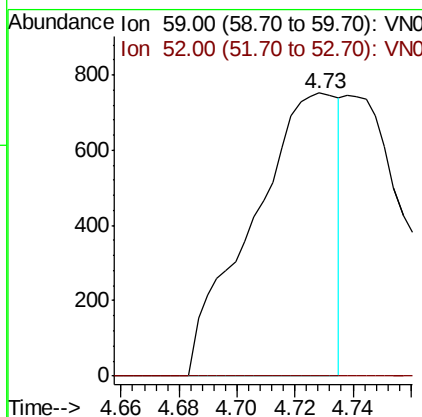
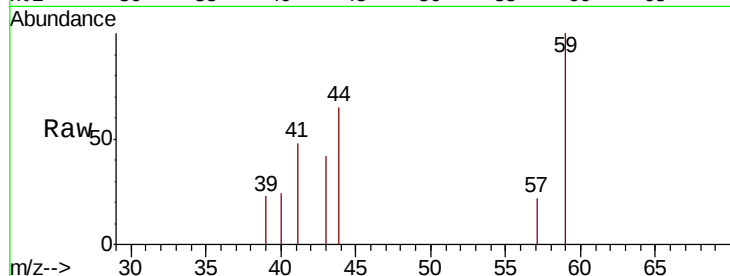


#23

tert-Butyl Alcohol
 Concen: 8.835 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :

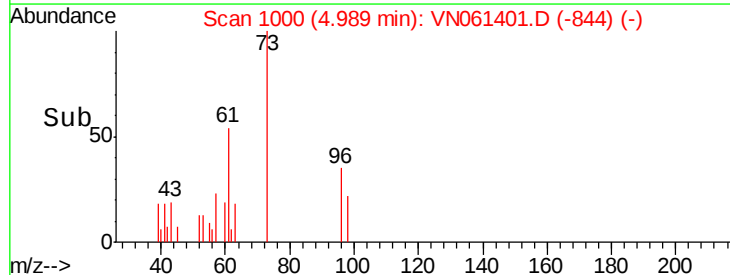
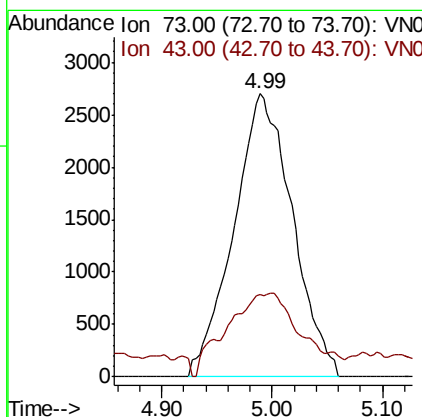
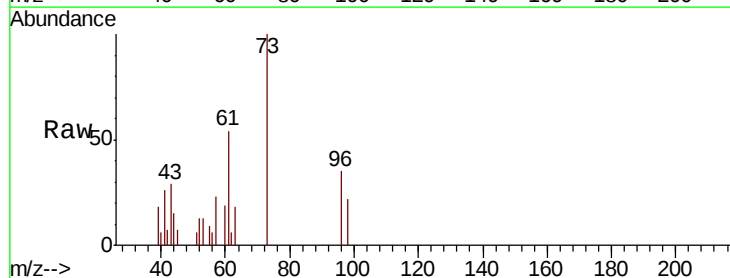
Tot Ion: 59 Resp: 1539
 Ion Ratio Lower Upper
 59 100
 52 345.5 0.0 0.0#

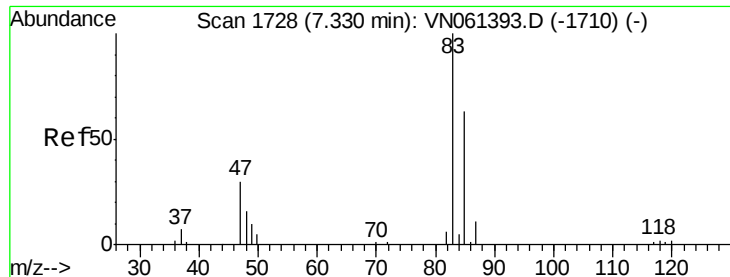


#24

Methyl tert-Butyl Ether
 Concen: 2.574 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion: 73 Resp: 9956
 Ion Ratio Lower Upper
 73 100
 43 6.8 17.9 26.9#





#25

Chloroform

Concen: 2.410 ug/l

RT: 7.33 min Scan# 1729

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

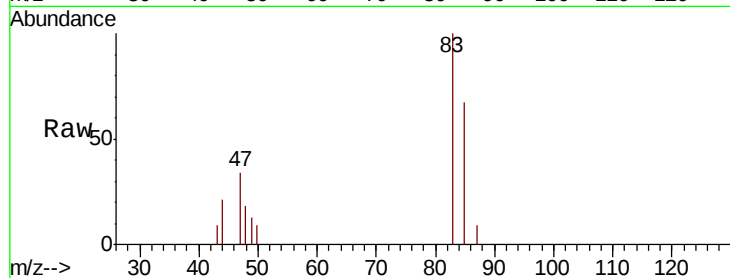
ClientSampleId :

Tot Ion: 83 Resp: 5449

Ion Ratio Lower Upper

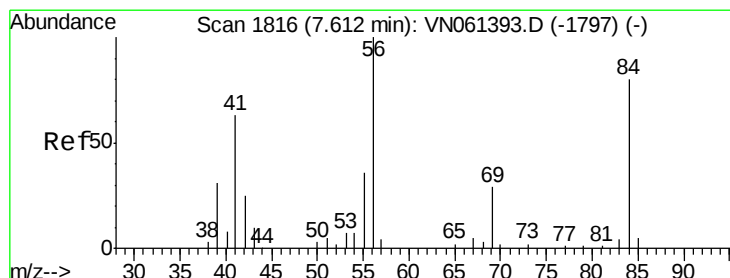
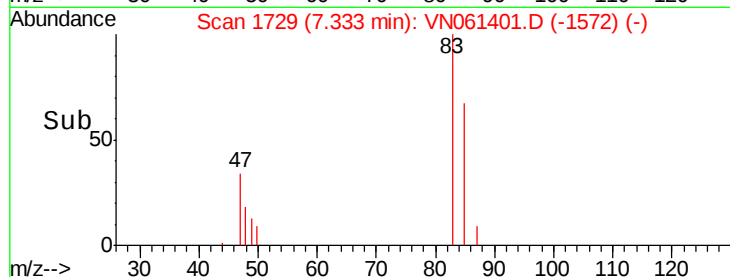
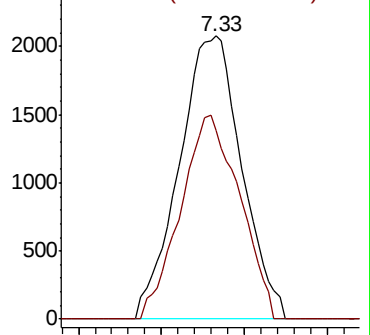
83 100

85 66.5 53.8 80.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 2.601 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

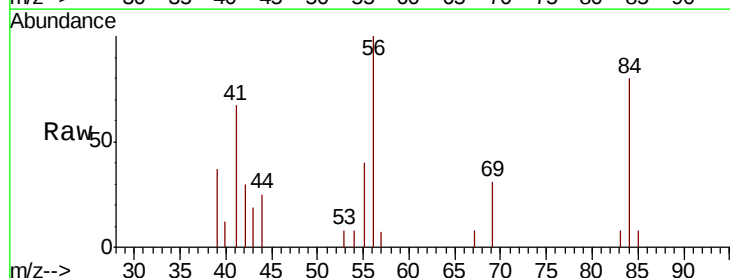
Tgt Ion: 56 Resp: 5793

Ion Ratio Lower Upper

56 100

89 0.0 6.2 9.2#

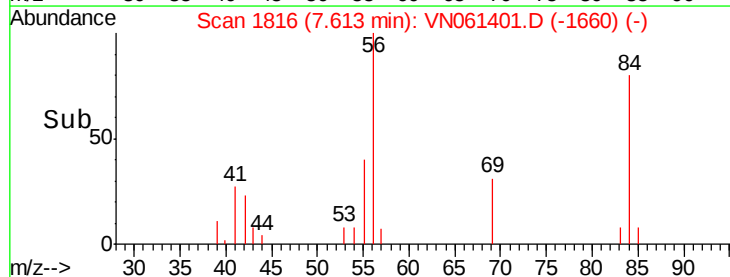
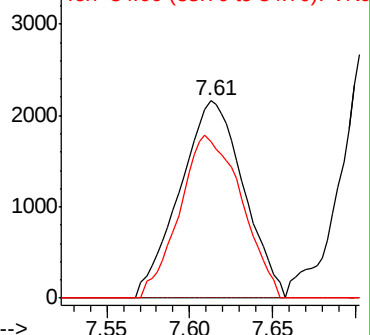
84 80.3 65.6 98.4

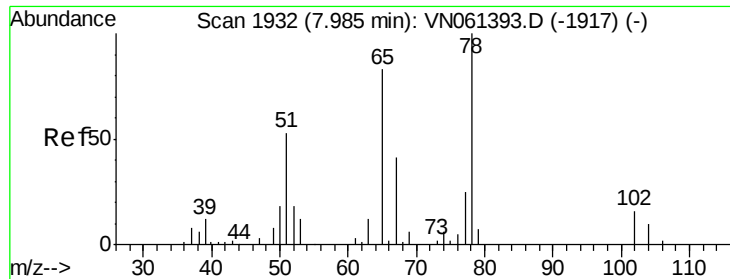


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

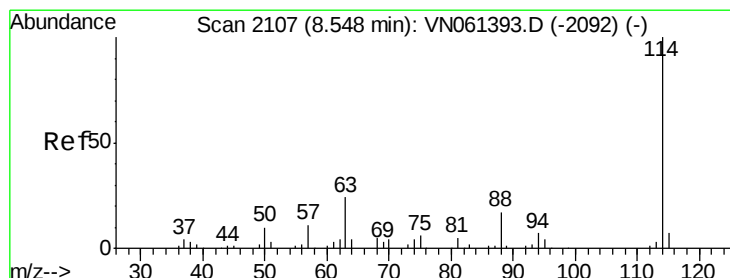
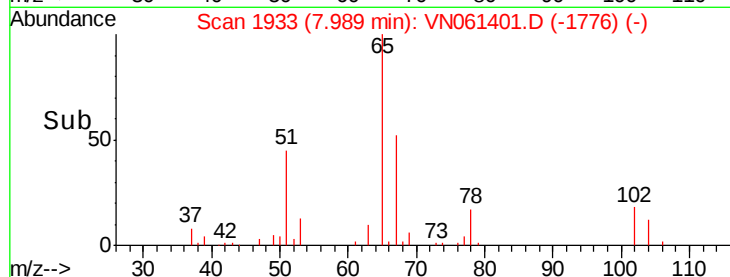
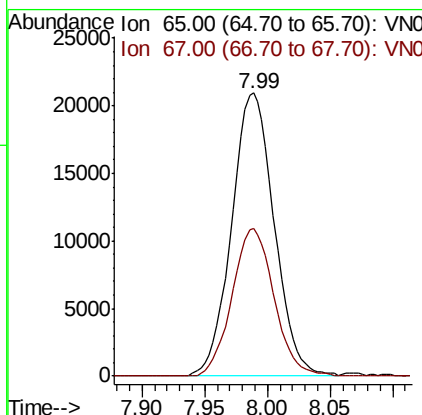
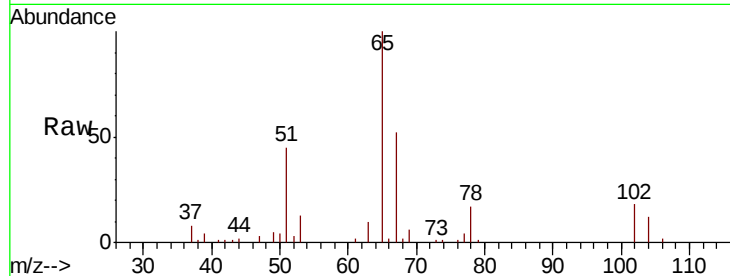




#27
 1,2-Dichloroethane-d4
 Concen: 31.110 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

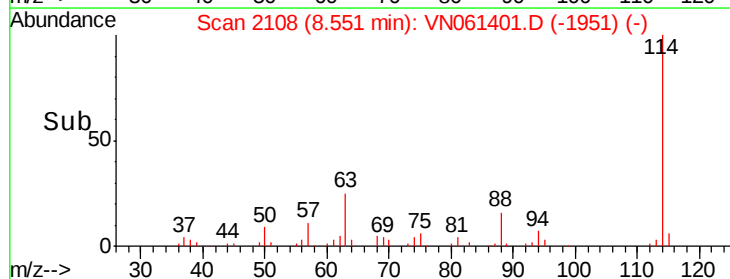
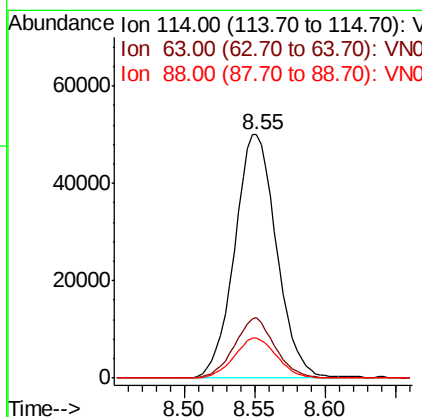
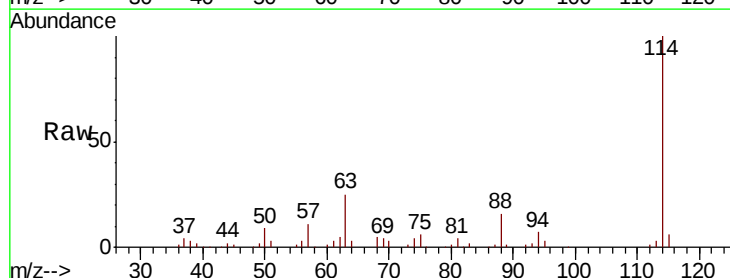
Instrument :
 MSVOA_N
 ClientSampled :

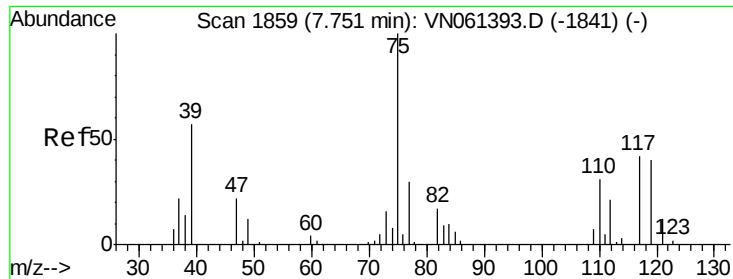
Tot Ion: 65 Resp: 49440
 Ion Ratio Lower Upper
 65 100
 67 51.3 41.5 62.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion: 114 Resp: 103871
 Ion Ratio Lower Upper
 114 100
 63 23.9 18.1 27.1
 88 16.6 13.0 19.4

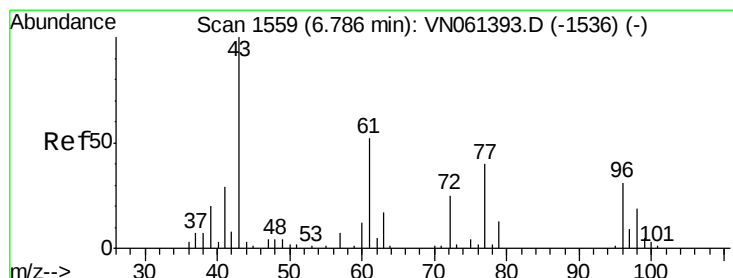
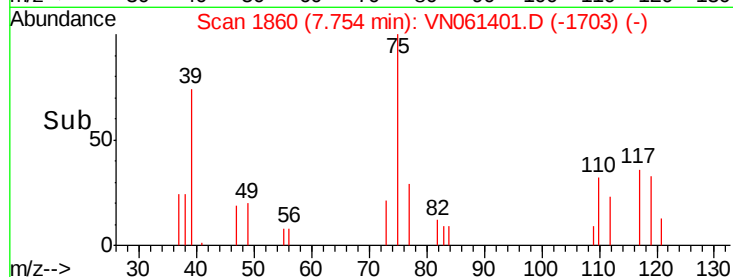
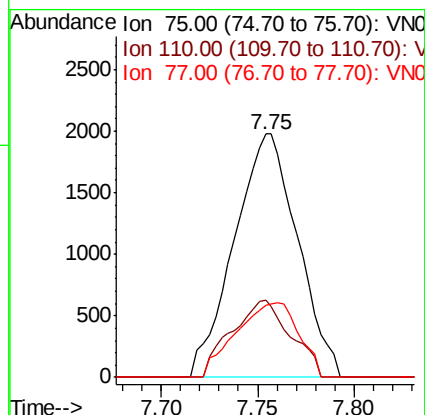
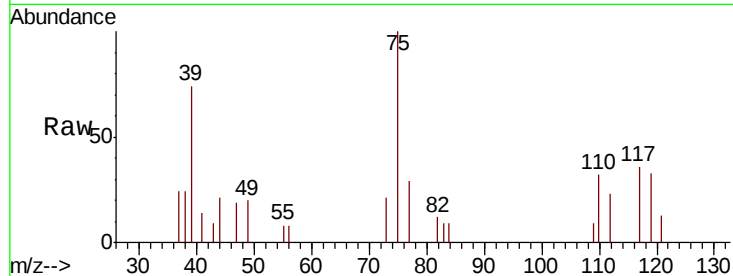




#29
 1,1-Dichloropropene
 Concen: 2.470 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

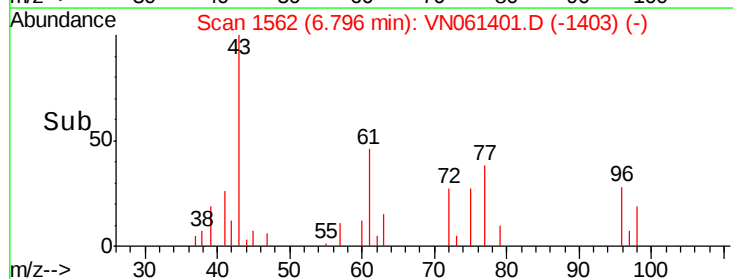
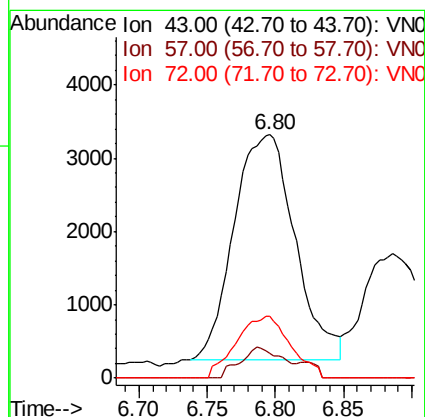
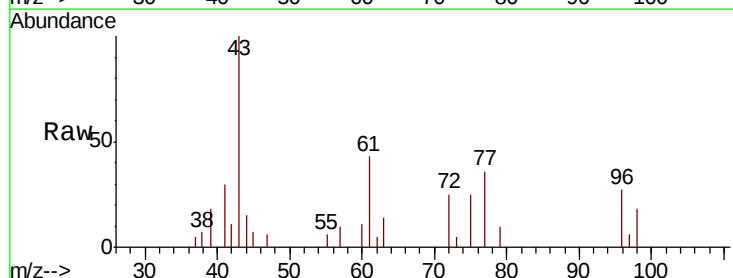
Instrument :
 MSVOA_N
 ClientSampled :

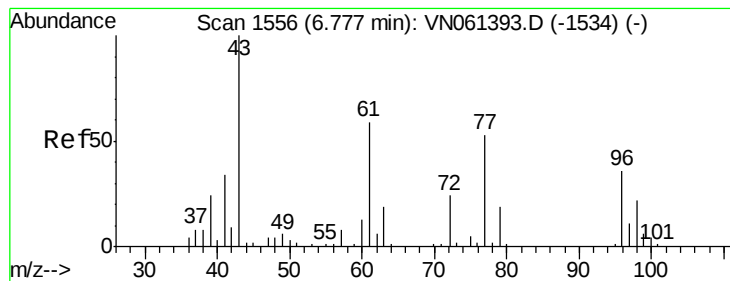
Tot Ion: 75 Resp: 4503
 Ion Ratio Lower Upper
 75 100
 110 29.6 0.0 64.6
 77 30.4 0.0 60.8



#30
 2-Butanone
 Concen: 12.423 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.01 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion: 43 Resp: 9579
 Ion Ratio Lower Upper
 43 100
 57 4.4 6.5 9.7#
 72 24.3 20.1 30.1





#31

2,2-Dichloropropane

Concen: 2.605 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

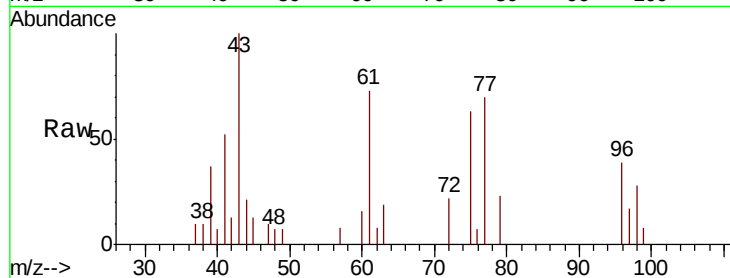
ClientSampled :

Tot Ion: 77 Resp: 5548

Ion Ratio Lower Upper

77 100

97 16.7 17.9 26.9#



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0

6.77

1500

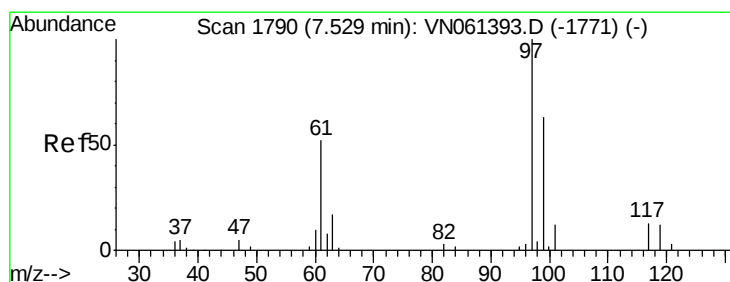
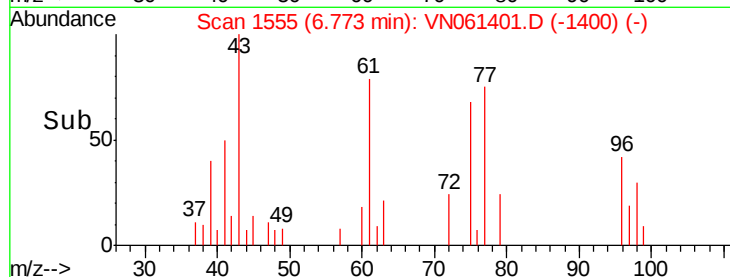
1000

500

0

Time-->

6.70 6.75 6.80 6.85



#32

1,1,1-Trichloroethane

Concen: 2.492 ug/l

RT: 7.53 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

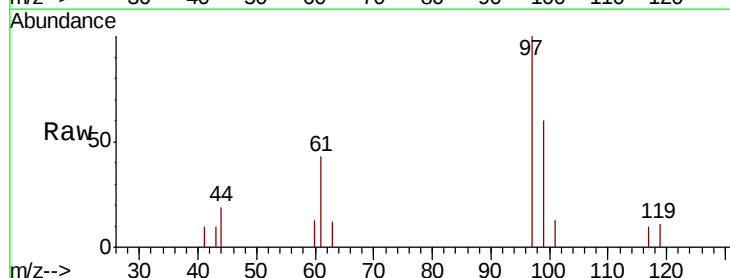
Tgt Ion: 97 Resp: 5083

Ion Ratio Lower Upper

97 100

99 59.3 51.3 76.9

61 27.8 38.4 57.6#



Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

2500

2000

1500

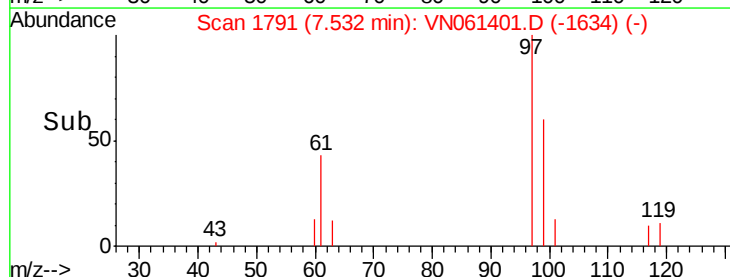
1000

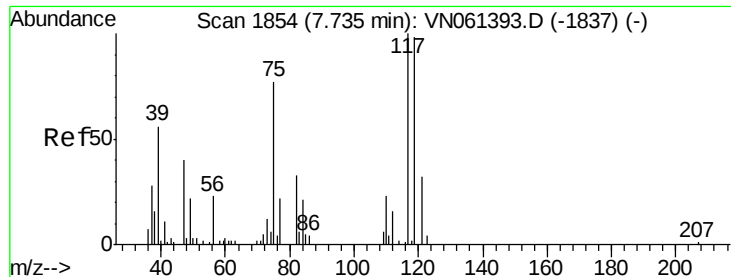
500

0

Time-->

7.45 7.50 7.55 7.60

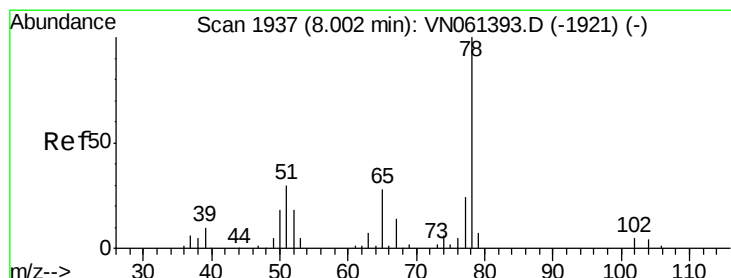
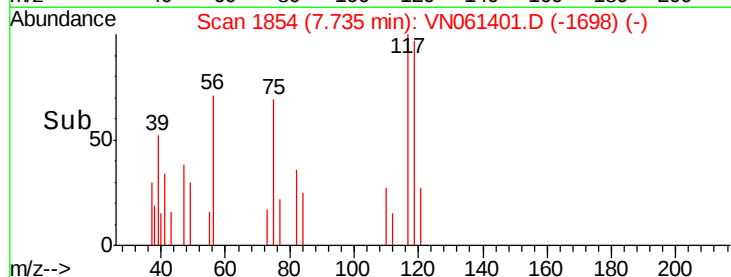
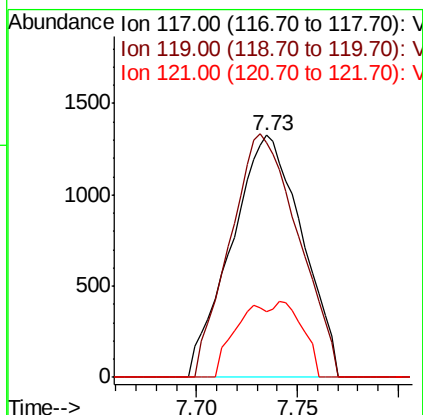
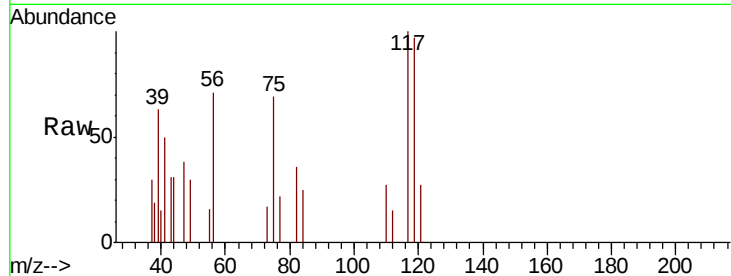




#33
Carbon Tetrachloride
Concen: 2.058 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

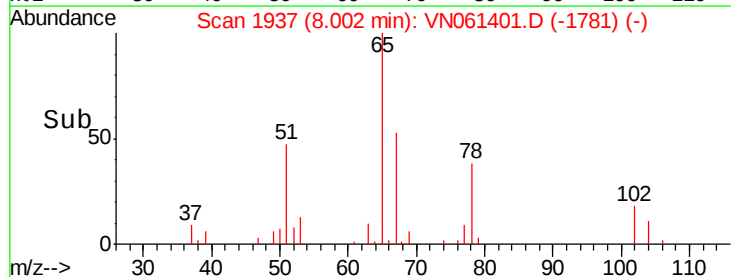
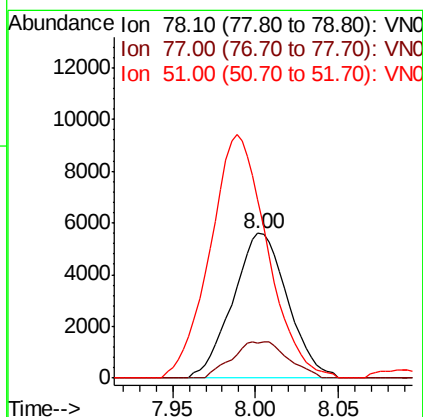
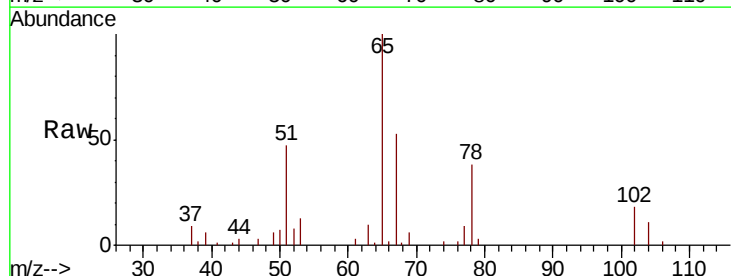
Instrument :
MSVOA_N
ClientSampleId :

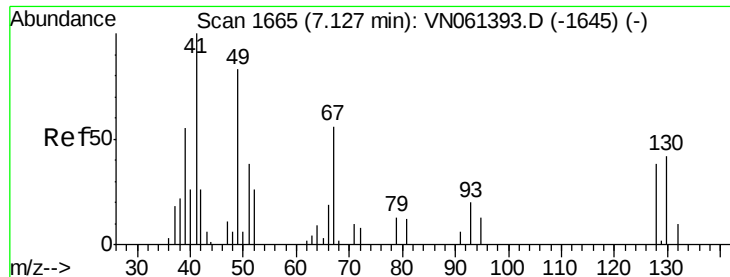
Tot Ion:117 Resp: 3222
Ion Ratio Lower Upper
117 100
119 96.9 76.9 115.3
121 27.1 23.8 35.8



#34
Benzene
Concen: 2.490 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion: 78 Resp: 12842
Ion Ratio Lower Upper
78 100
77 24.4 19.2 28.8
51 123.3 22.1 33.1#

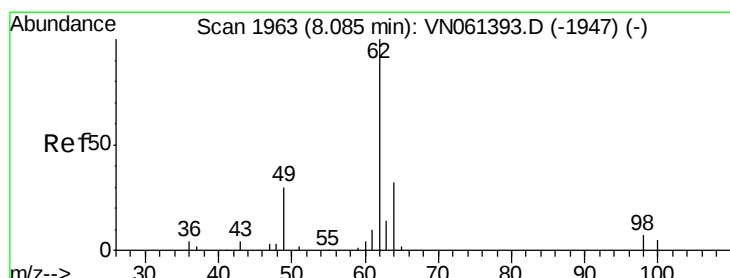
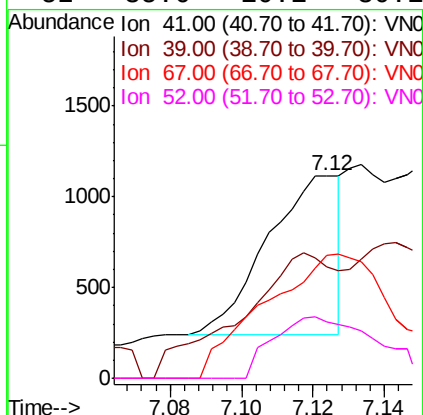
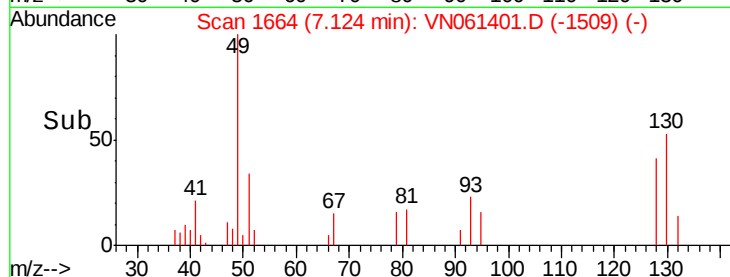
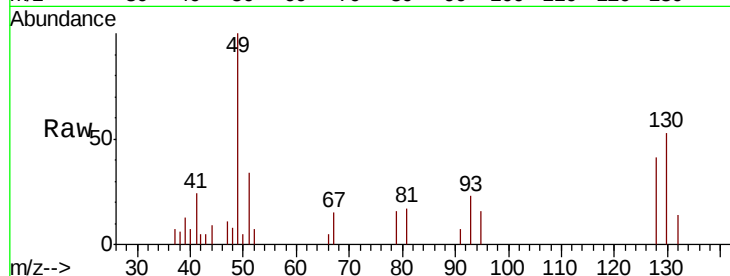




#35
Methacrylonitrile
Concen: 1.606 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

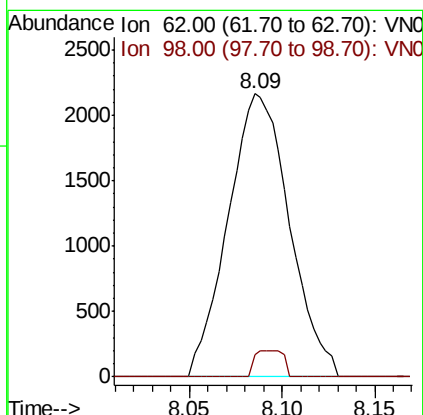
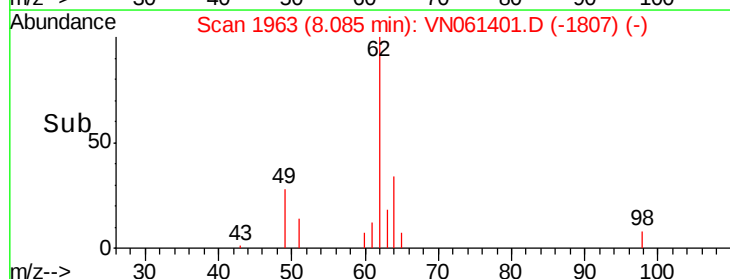
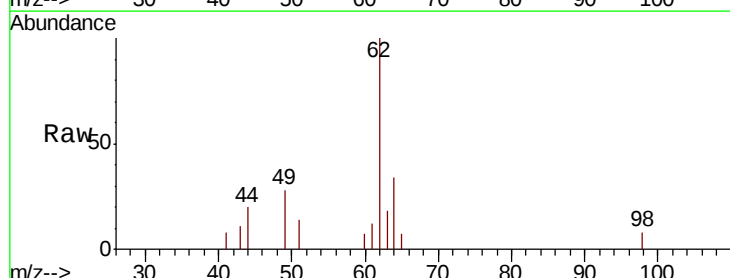
Instrument :
MSVOA_N
ClientSampleId :

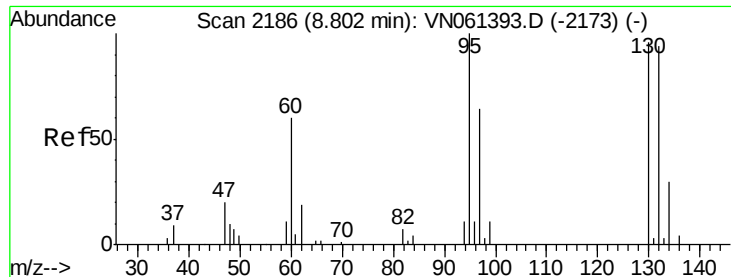
Tot Ion: 41 Resp: 1242
Ion Ratio Lower Upper
41 100
39 48.0 25.8 77.4
67 76.7 23.0 69.0#
52 35.6 10.1 30.1#



#36
1,2-Dichloroethane
Concen: 2.519 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion: 62 Resp: 4986
Ion Ratio Lower Upper
62 100
98 4.4 6.4 9.6#

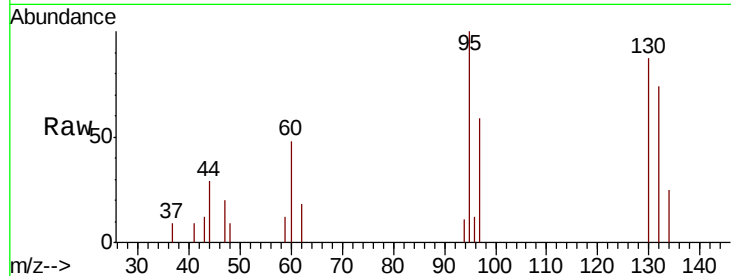




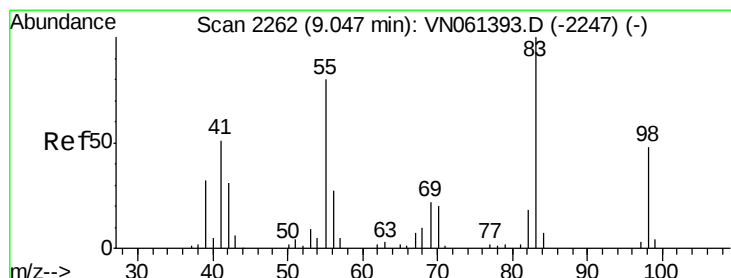
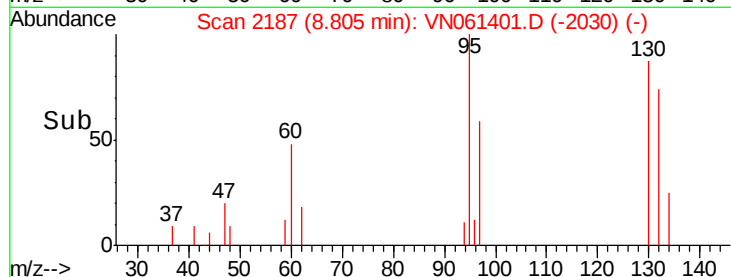
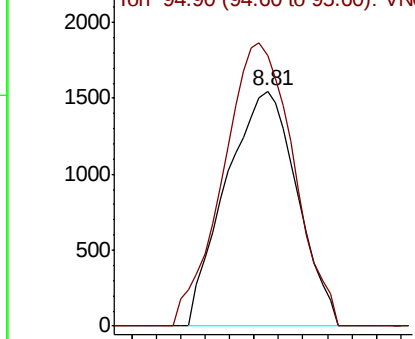
#37
 Trichloroethene
 Concen: 2.459 ug/l
 RT: 8.81 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:130 Resp: 3122
 Ion Ratio Lower Upper
 130 100
 95 115.2 83.2 124.8

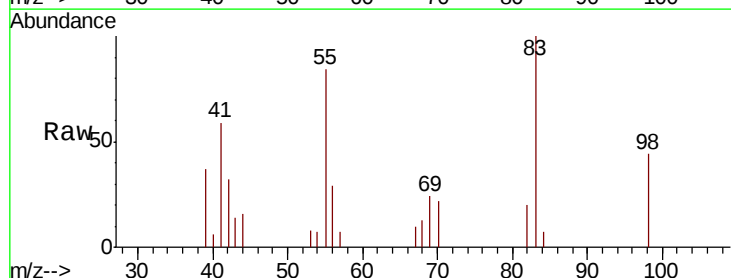


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

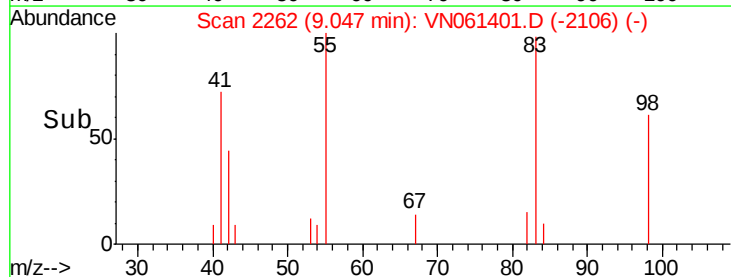
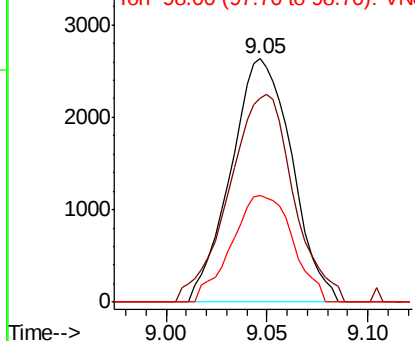


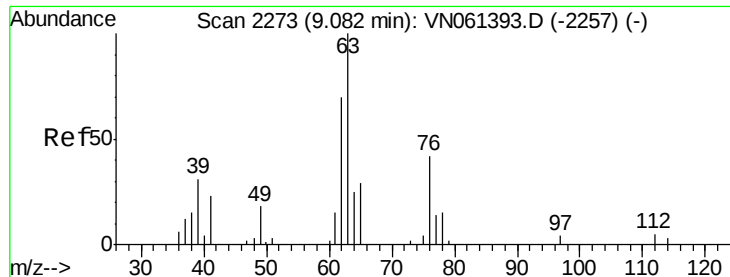
#38
 Methylcyclohexane
 Concen: 2.542 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion: 83 Resp: 5562
 Ion Ratio Lower Upper
 83 100
 55 90.0 40.4 121.1
 98 43.9 21.6 65.0



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

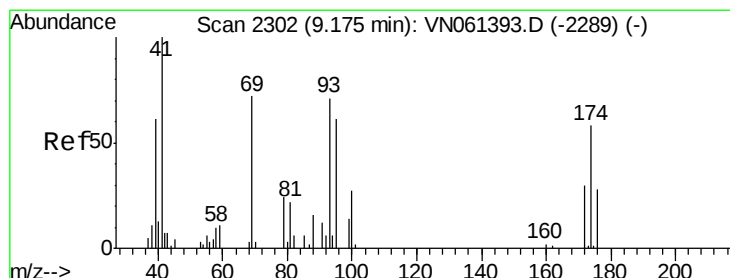
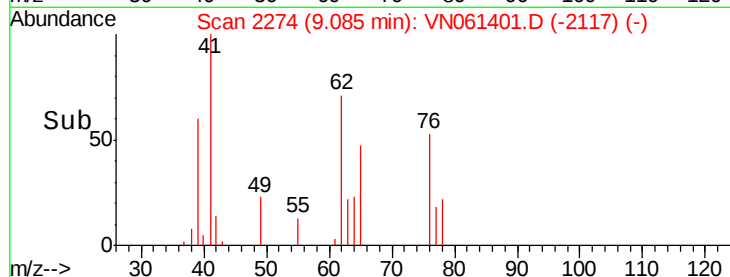
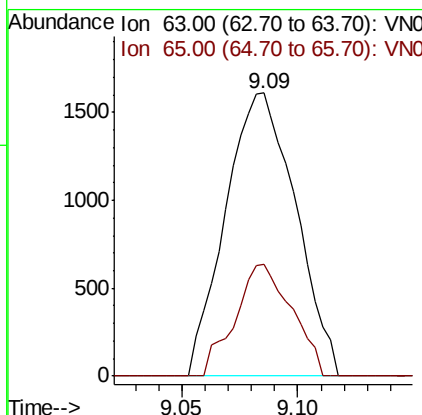
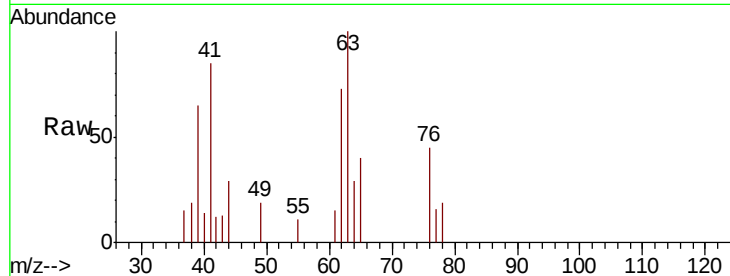




#39
 1,2-Dichloropropane
 Concen: 2.387 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

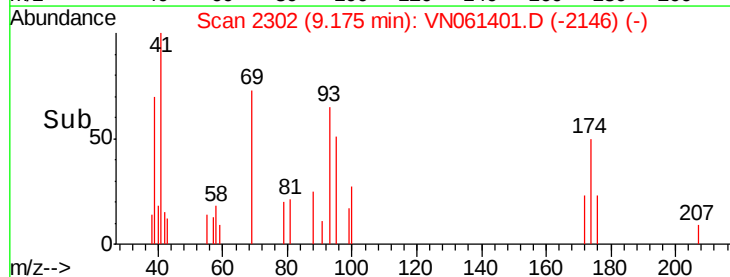
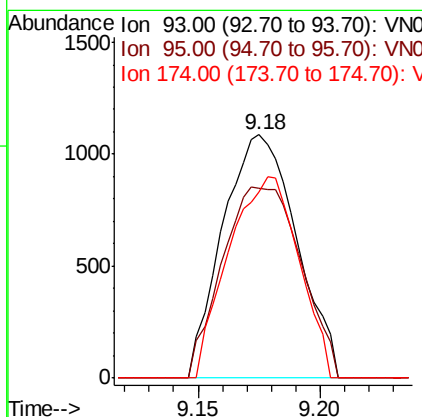
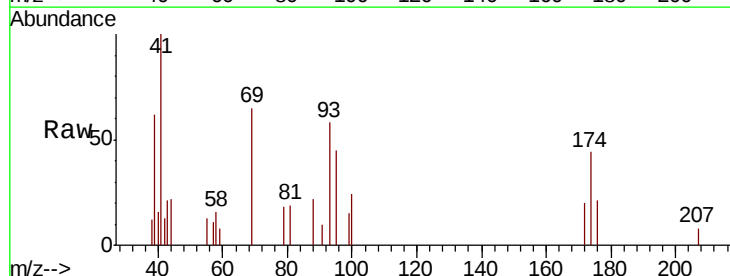
Instrument :
 MSVOA_N
 ClientSampled :

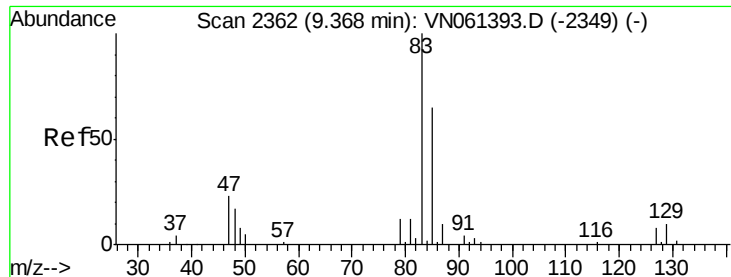
Tot Ion: 63 Resp: 3384
 Ion Ratio Lower Upper
 63 100
 65 39.5 23.8 35.6#



#40
 Dibromomethane
 Concen: 2.607 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion: 93 Resp: 2283
 Ion Ratio Lower Upper
 93 100
 95 50.0 0.0 167.6
 174 78.4 0.0 187.2

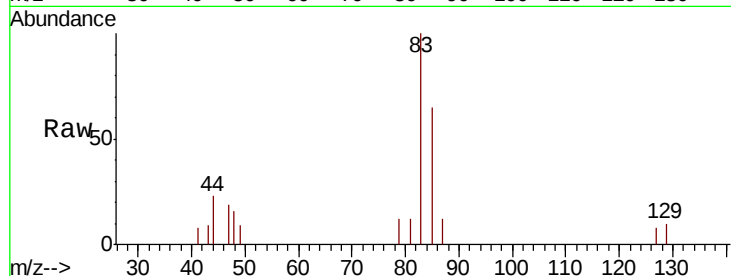




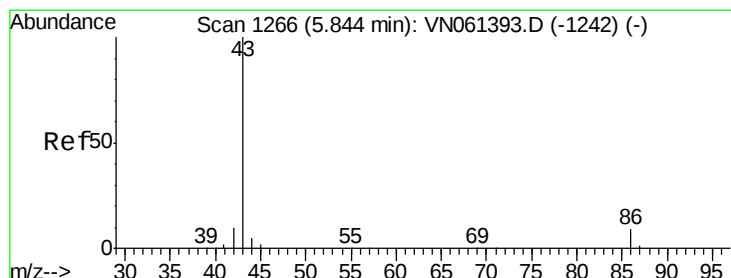
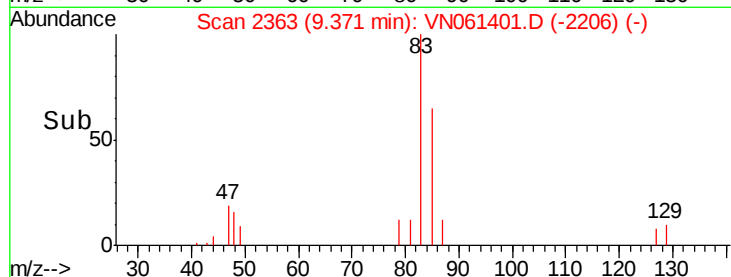
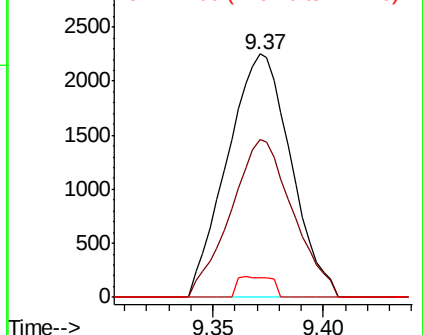
#41
 Bromodichloromethane
 Concen: 2.365 ug/l
 RT: 9.37 min Scan# 2363
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 83 Resp: 4492
 Ion Ratio Lower Upper
 83 100
 85 65.1 51.0 76.4
 127 8.1 6.6 9.8

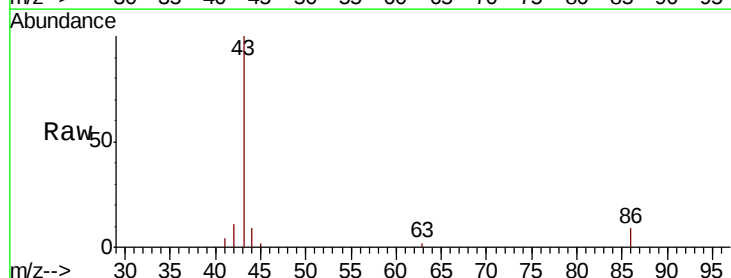


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): V

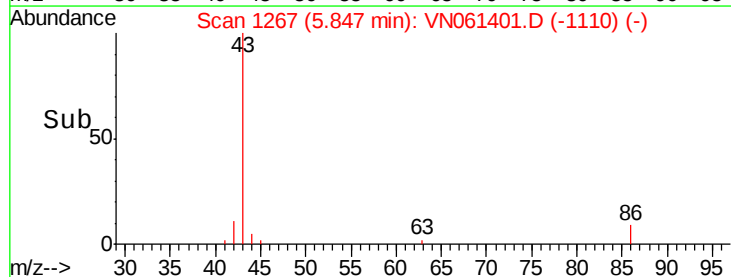
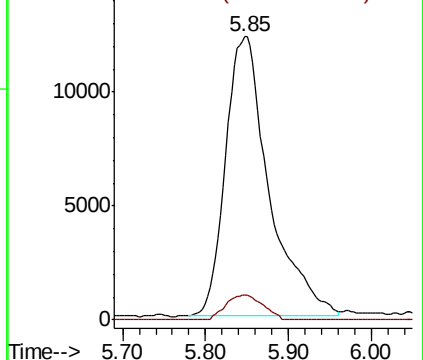


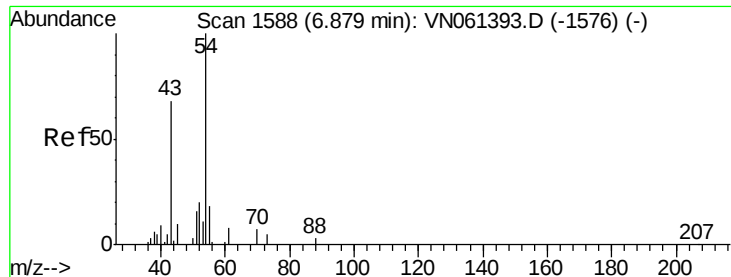
#42
 Vinyl Acetate
 Concen: 12.192 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion: 43 Resp: 44641
 Ion Ratio Lower Upper
 43 100
 86 7.5 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 86.00 (85.70 to 86.70): VN0

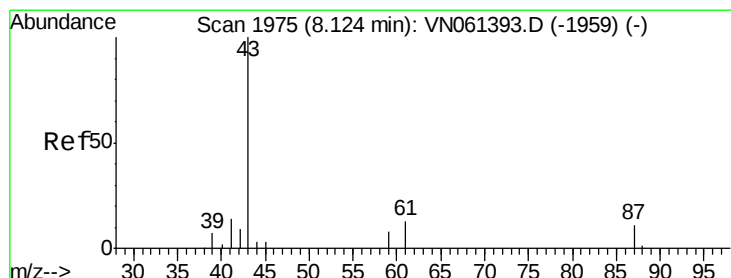
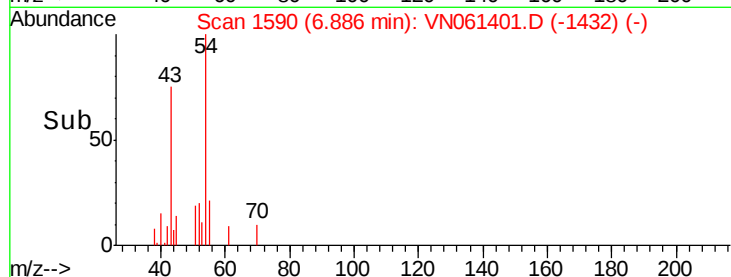
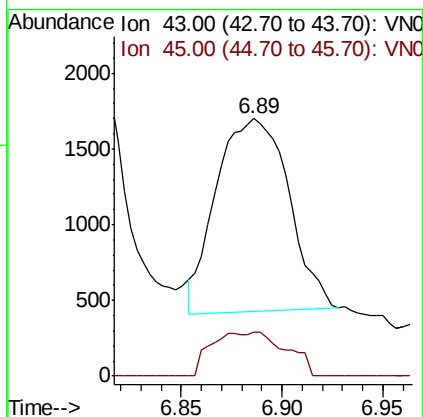
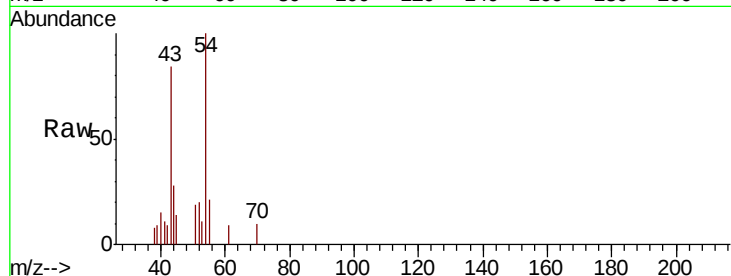




#43
Ethyl Acetate
Concen: 1.931 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

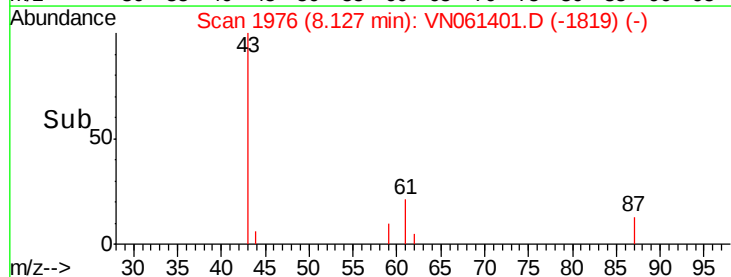
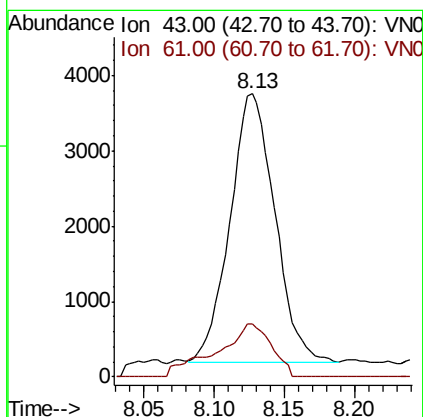
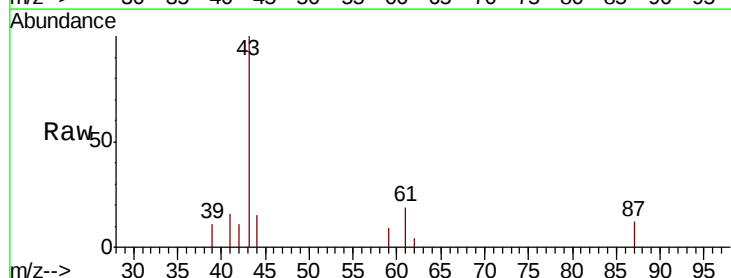
Instrument :
MSVOA_N
ClientSampleId :

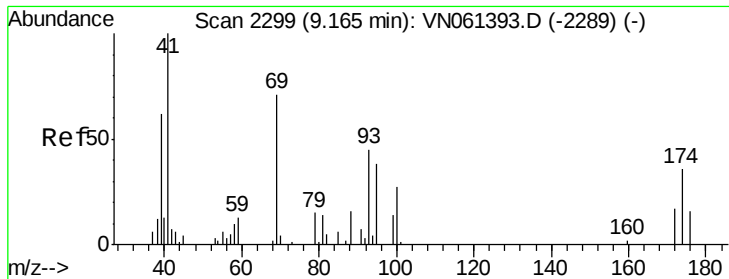
Tot Ion: 43 Resp: 3181
Ion Ratio Lower Upper
43 100
45 10.2 9.7 14.5



#44
Isopropyl Acetate
Concen: 2.474 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion: 43 Resp: 7911
Ion Ratio Lower Upper
43 100
61 18.8 19.9 29.9#

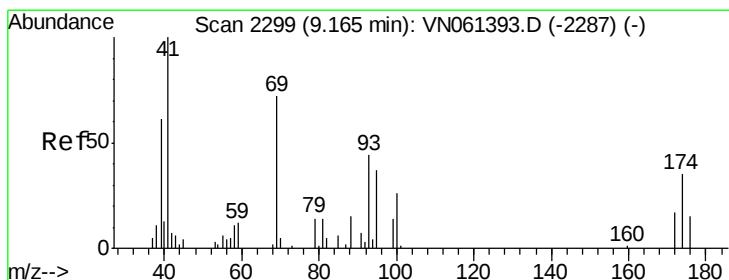
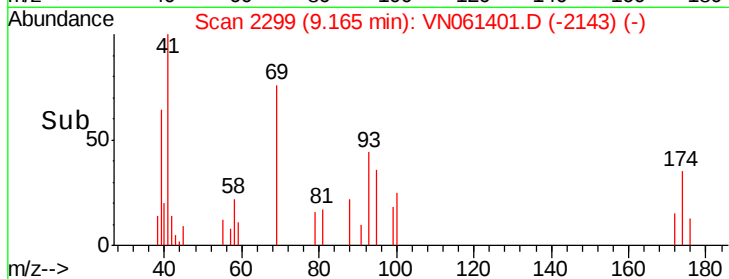
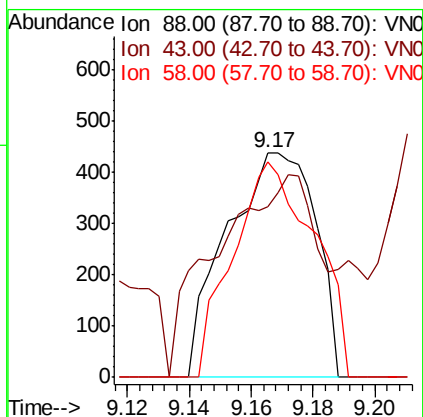
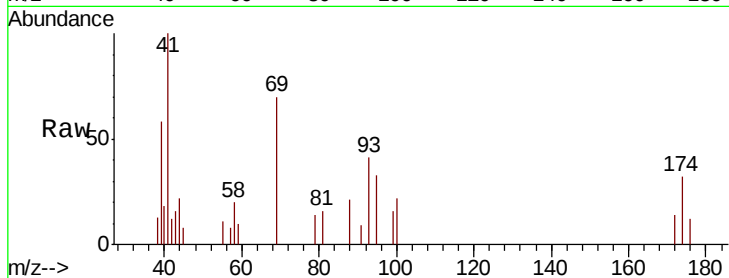




#45
1,4-Dioxane
Concen: 69.259 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

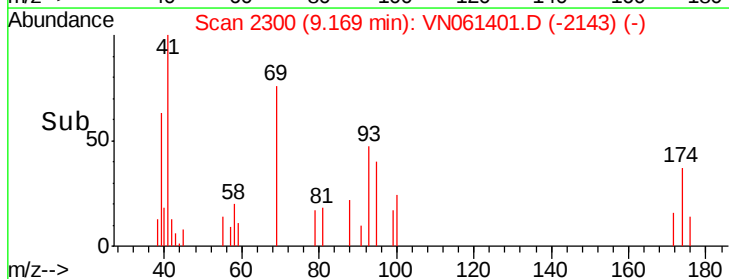
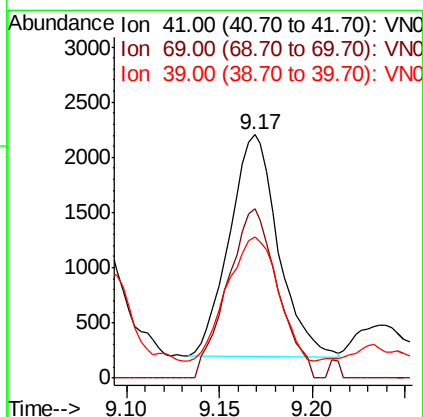
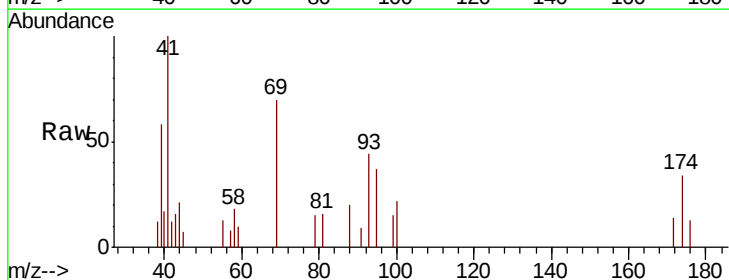
Instrument :
MSVOA_N
ClientSampleId :

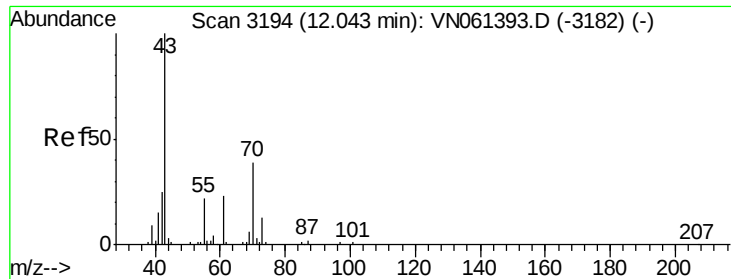
Tot Ion: 88 Resp: 874
Ion Ratio Lower Upper
88 100
43 9.2 29.8 44.8#
58 87.3 58.2 87.4



#46
Methyl methacrylate
Concen: 2.437 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion: 41 Resp: 3665
Ion Ratio Lower Upper
41 100
69 76.5 40.2 120.5
39 56.0 29.9 89.8





#47

n-amvl Acetate

Concen: 2.380 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

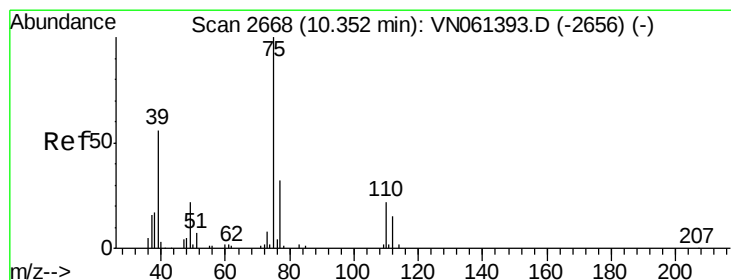
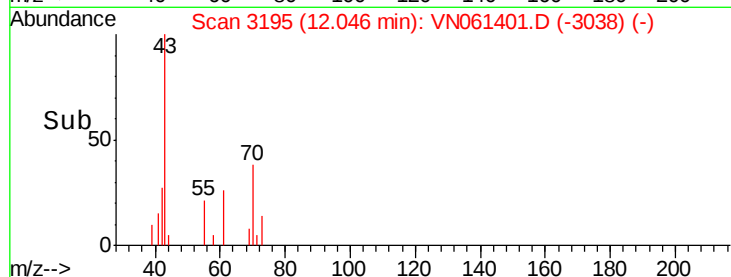
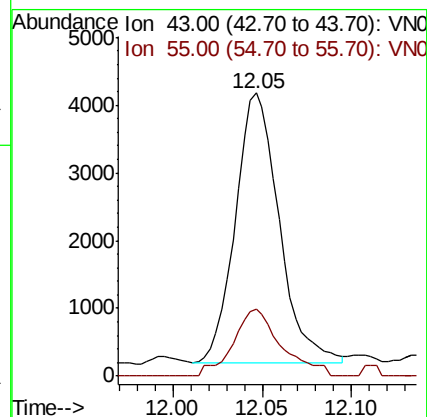
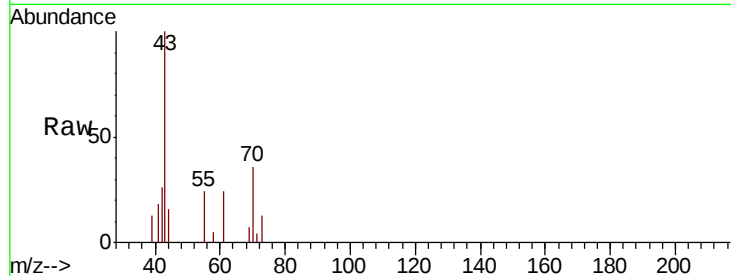
ClientSampleId :

Tot Ion: 43 Resp: 6787

Ion Ratio Lower Upper

43 100

55 21.3 19.6 29.4



#48

t-1,3-Dichloropropene

Concen: 2.378 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061401.D

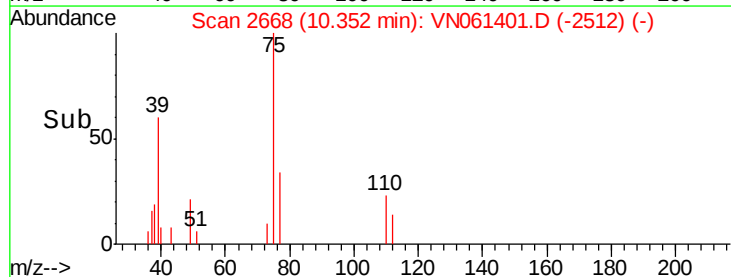
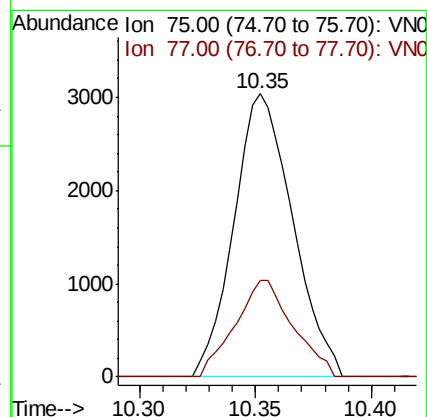
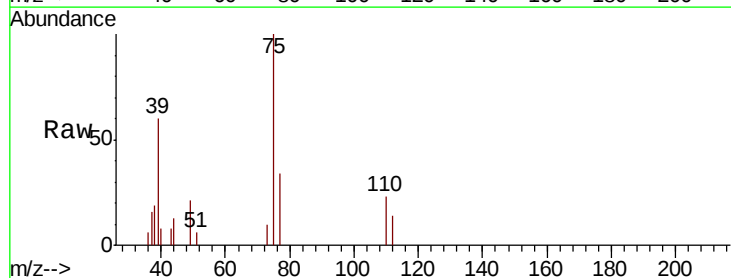
Acq: 14 May 2020 18:30

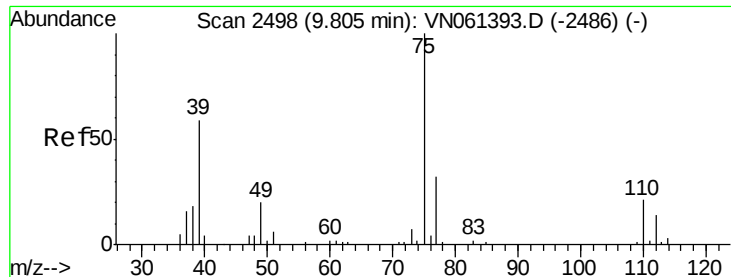
Tgt Ion: 75 Resp: 5331

Ion Ratio Lower Upper

75 100

77 34.2 27.0 40.4



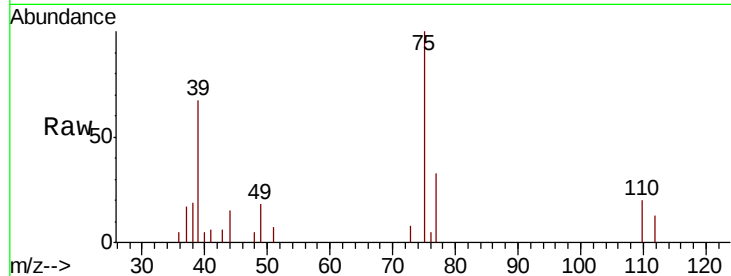


#49

cis-1,3-Dichloropropene
 Concen: 2.388 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.1	39.1
39	60.3	43.1	64.7

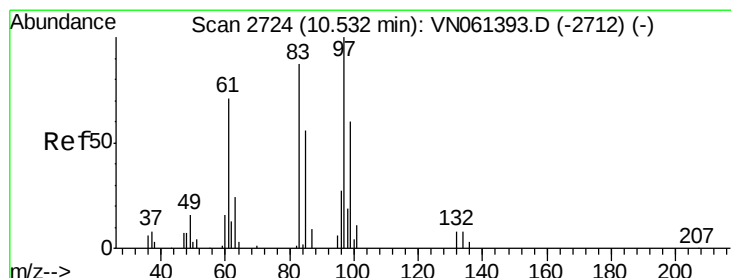
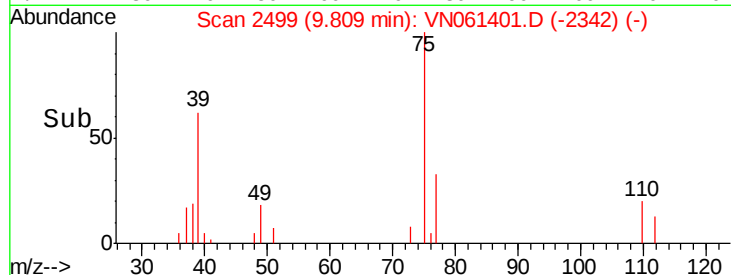
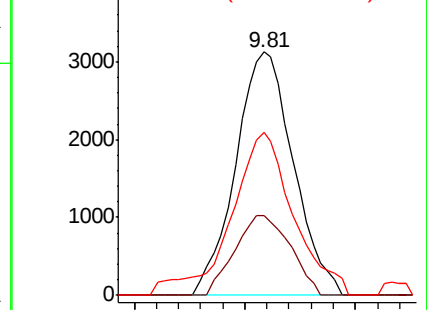


Abundance

Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

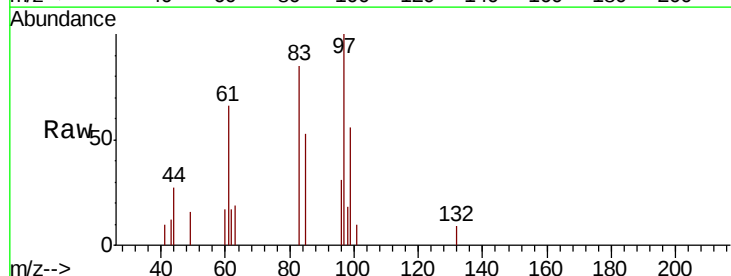
Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane
 Concen: 2.389 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.9	70.7	106.1
85	52.9	45.1	67.7
99	56.3	48.2	72.4



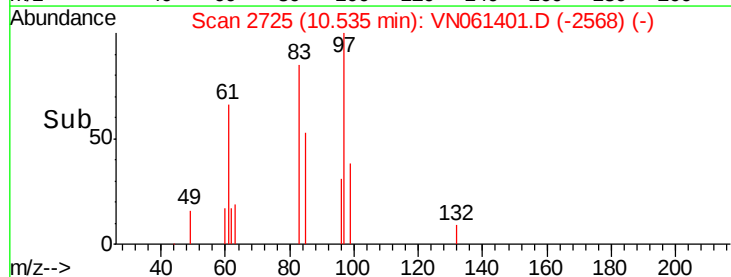
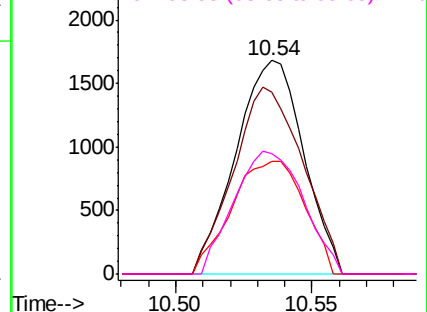
Abundance

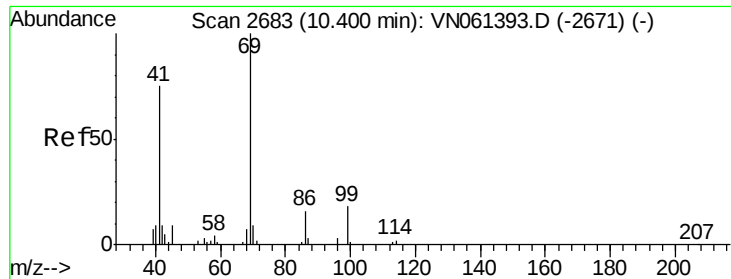
Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 2.313 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

ClientSampled :

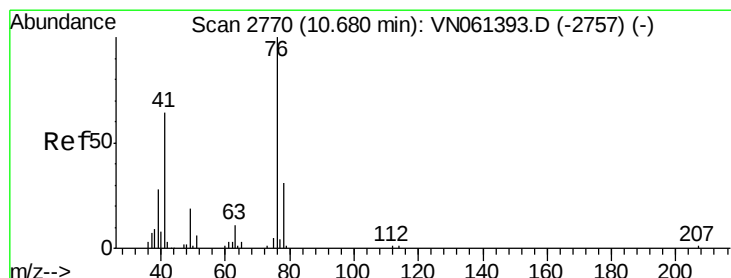
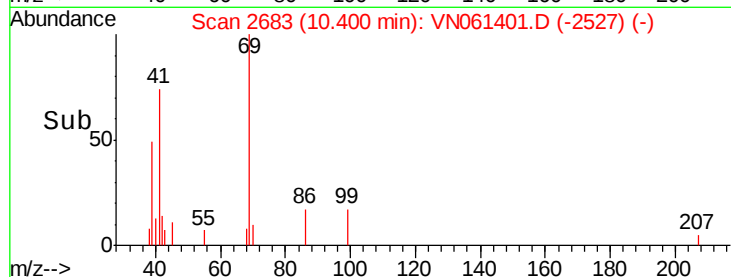
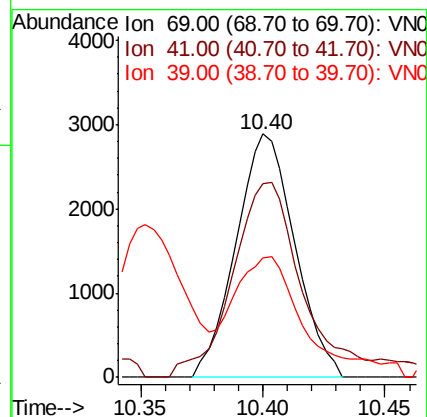
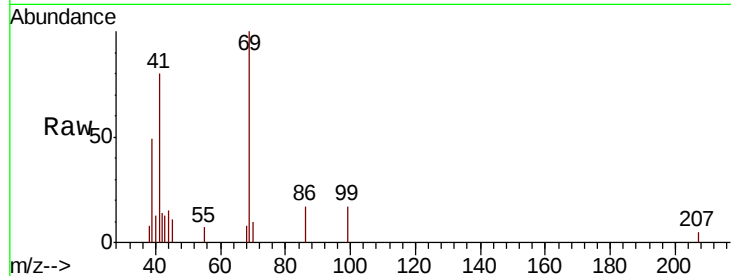
Tot Ion: 69 Resp: 4824

Ion Ratio Lower Upper

69 100

41 72.0 34.7 104.1

39 40.8 20.3 60.8



#52

1,3-Dichloropropane

Concen: 2.376 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN061401.D

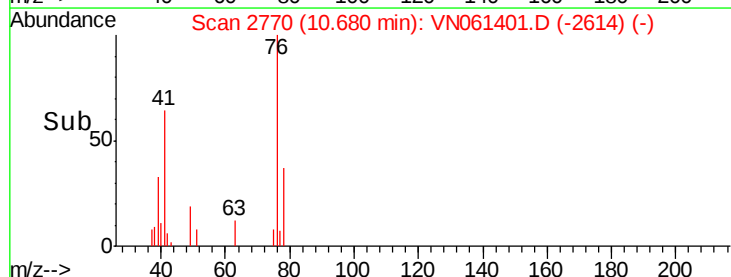
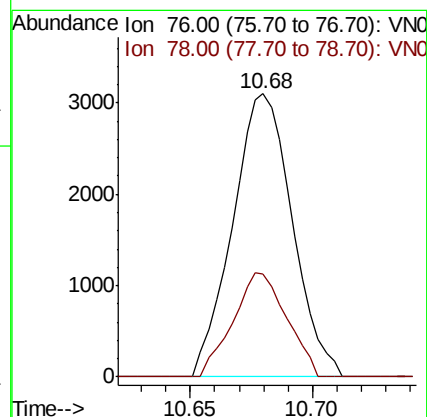
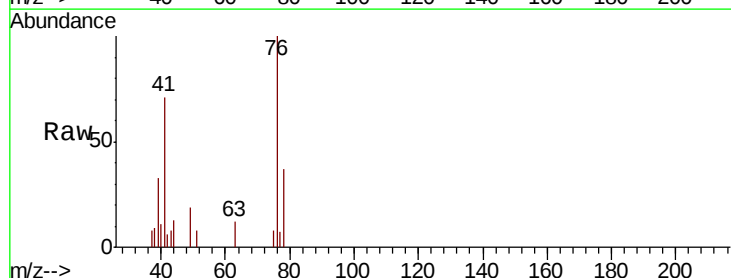
Acq: 14 May 2020 18:30

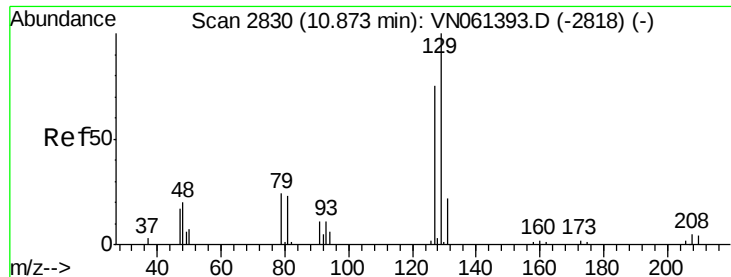
Tgt Ion: 76 Resp: 5252

Ion Ratio Lower Upper

76 100

78 33.1 0.0 63.2





#53

Dibromochloromethane

Concen: 2.188 ug/l

RT: 10.88 min Scan# 2831

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

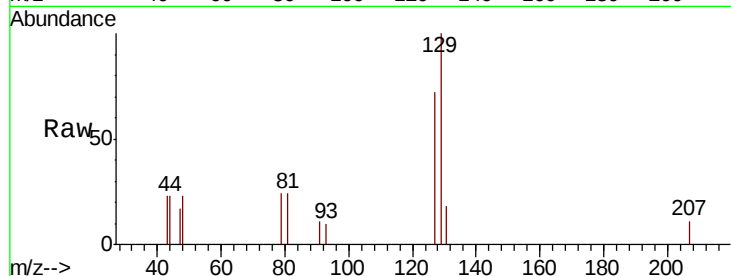
ClientSampleId :

Tot Ion:129 Resp: 2903

Ion Ratio Lower Upper

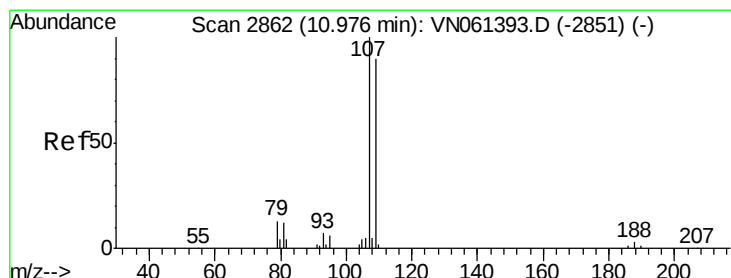
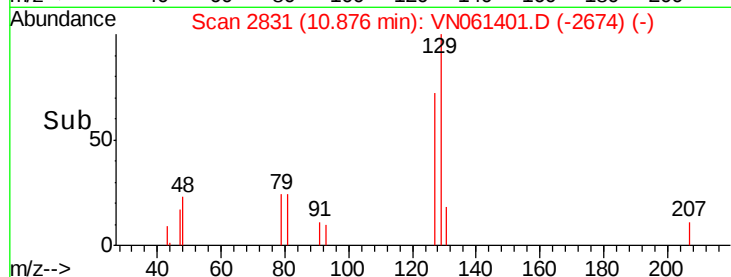
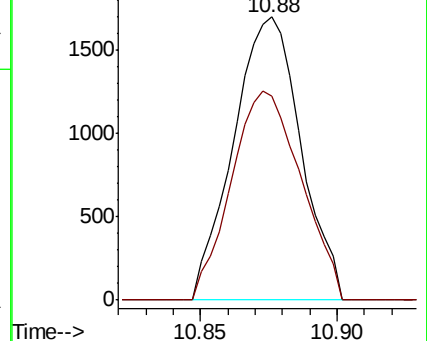
129 100

127 76.5 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 2.447 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061401.D

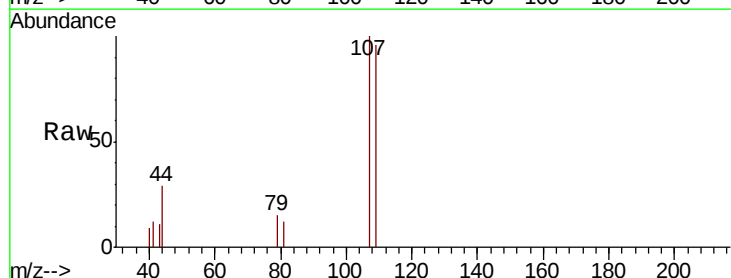
Acq: 14 May 2020 18:30

Tgt Ion:107 Resp: 3057

Ion Ratio Lower Upper

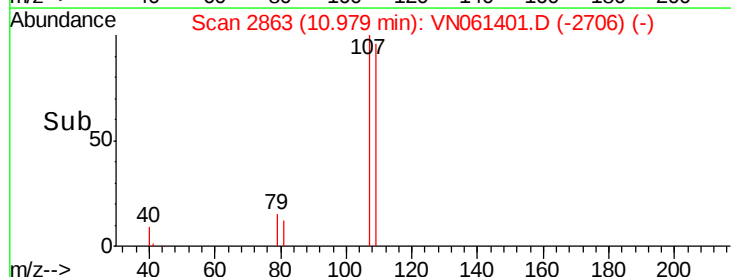
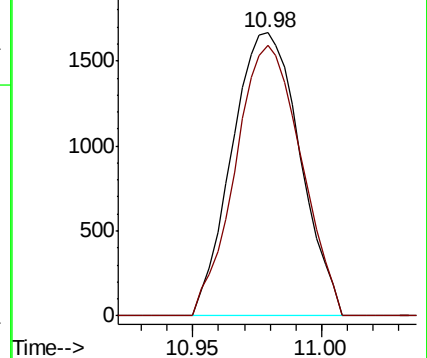
107 100

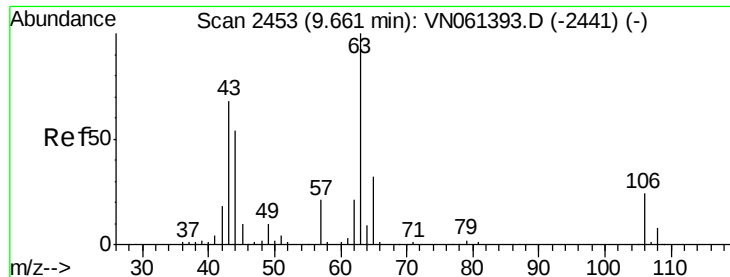
109 92.5 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

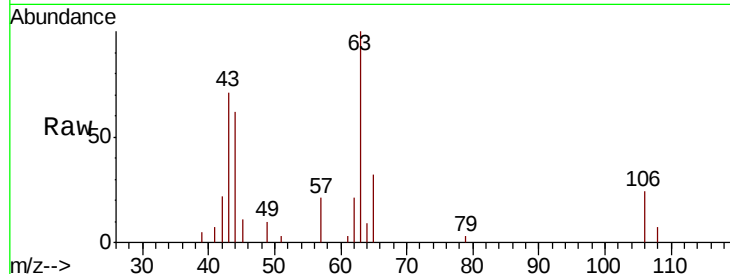




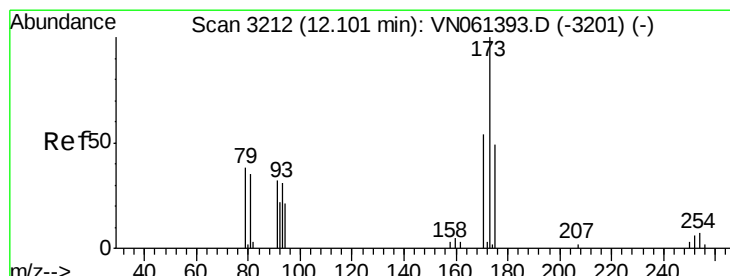
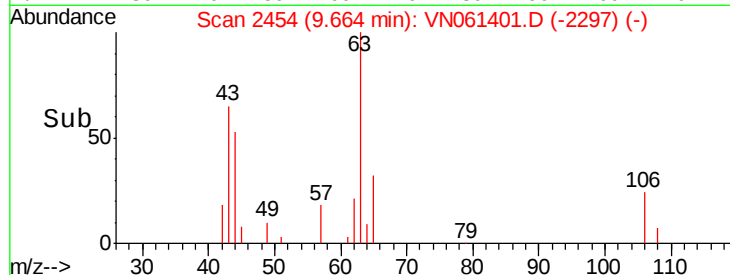
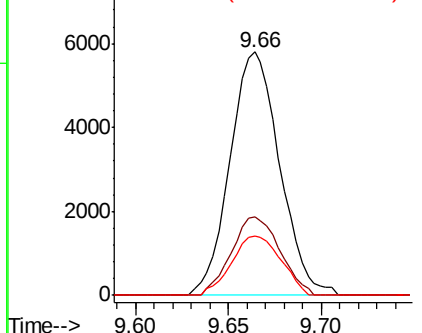
#55
2-Chloroethyl vinyl ether
Concen: 11.683 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 10785
Ion Ratio Lower Upper
63 100
65 31.6 25.3 37.9
106 24.2 19.8 29.6

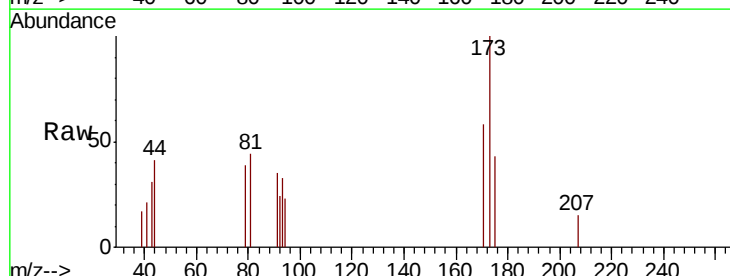


Abundance Ion 63.00 (62.70 to 63.70): VN061393.D (-2441) (-)
Ion 65.00 (64.70 to 65.70): VN061393.D (-2441) (-)
Ion 106.00 (105.70 to 106.70): VN061393.D (-2441) (-)

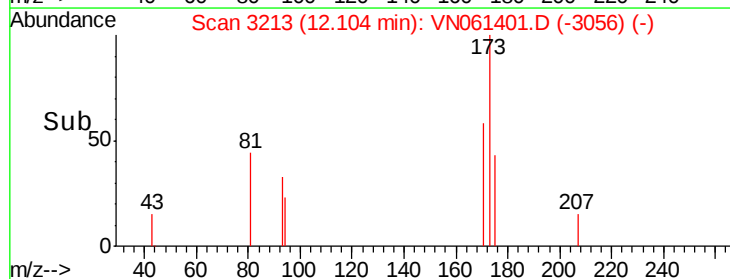
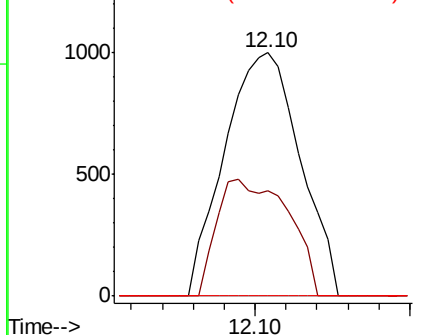


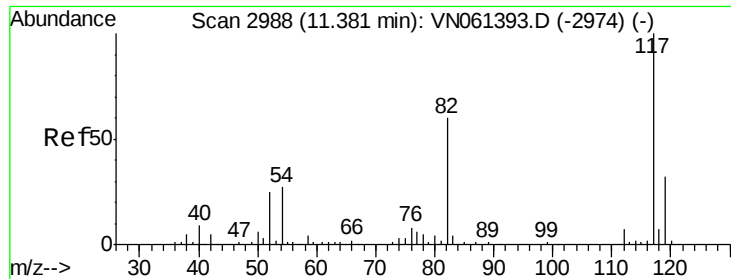
#56
Bromoform
Concen: 2.037 ug/l
RT: 12.10 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion: 173 Resp: 1699
Ion Ratio Lower Upper
173 100
175 26.5 38.7 58.1#
254 0.0 7.4 11.2#



Abundance Ion 173.00 (172.70 to 173.70): VN061393.D (-3201) (-)
Ion 175.00 (174.70 to 175.70): VN061393.D (-3201) (-)
Ion 254.00 (253.70 to 254.70): VN061393.D (-3201) (-)

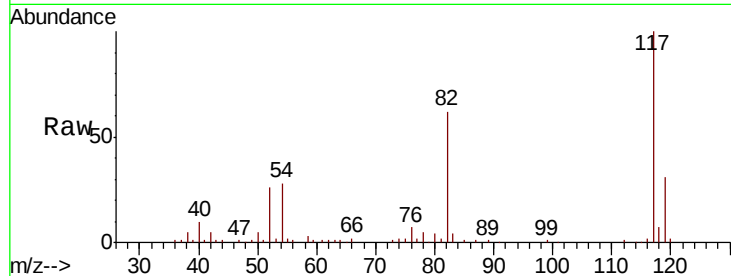




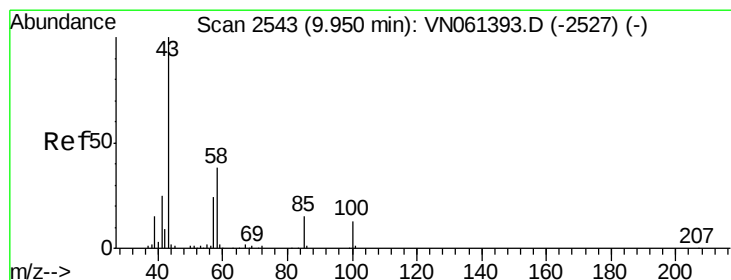
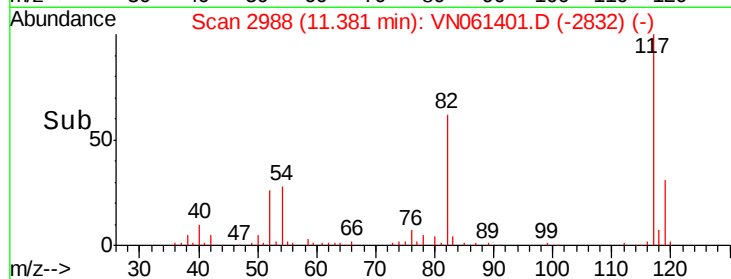
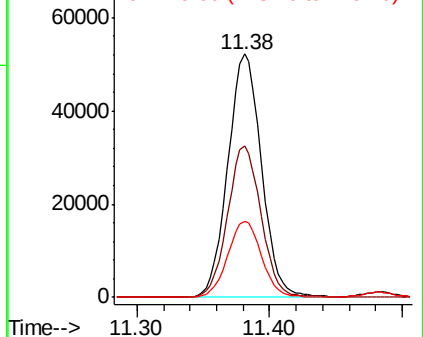
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 91846
Ion Ratio Lower Upper
117 100
82 62.0 46.9 70.3
119 31.5 25.8 38.6

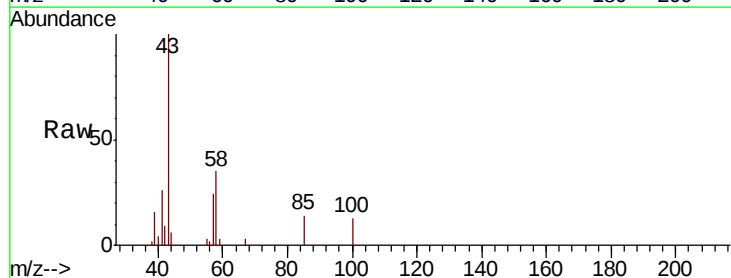


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

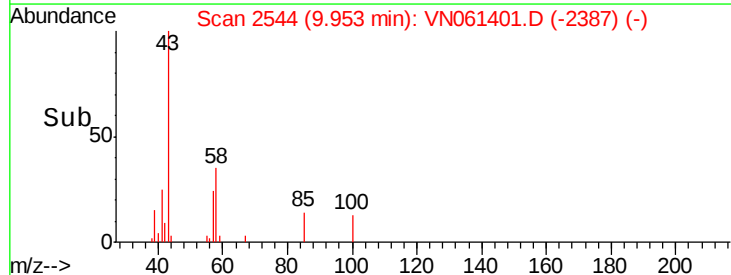
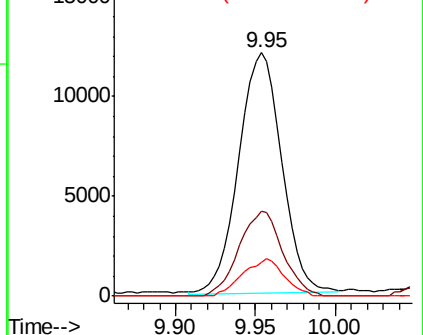


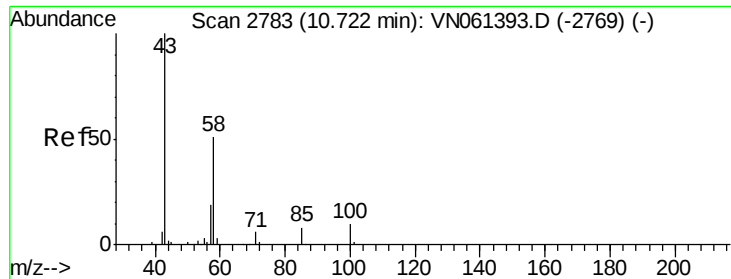
#58
4-Methyl-2-Pentanone
Concen: 13.212 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion: 43 Resp: 22112
Ion Ratio Lower Upper
43 100
58 35.7 30.1 45.1
85 14.9 13.2 19.8



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

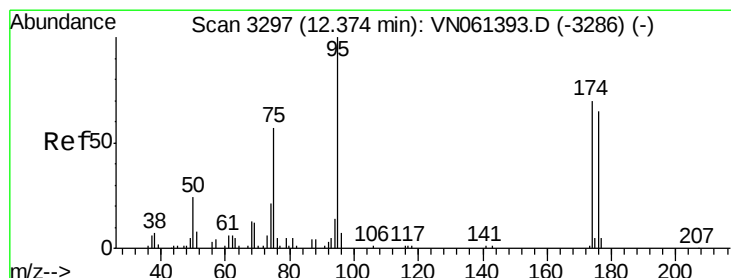
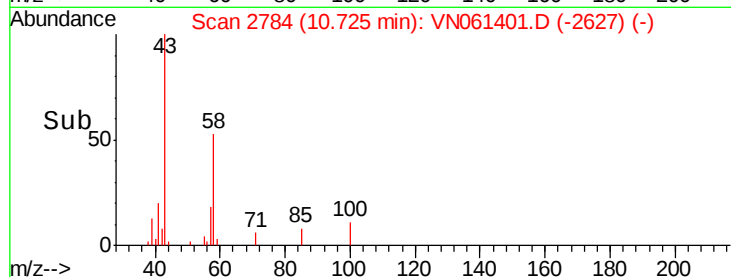
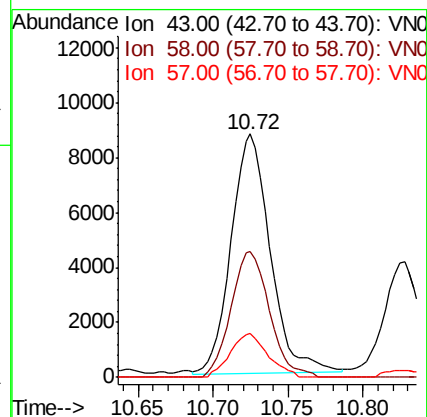
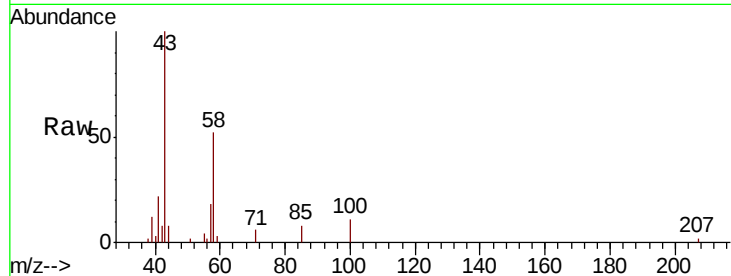




#59
2-Hexanone
Concen: 13.446 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

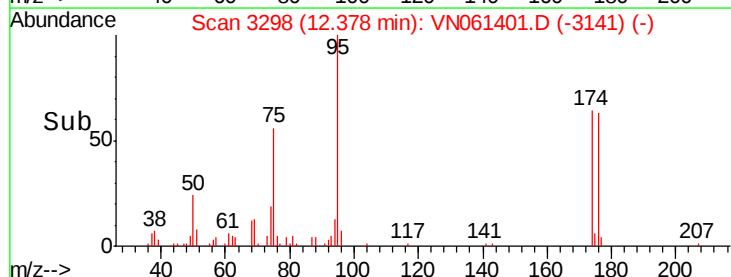
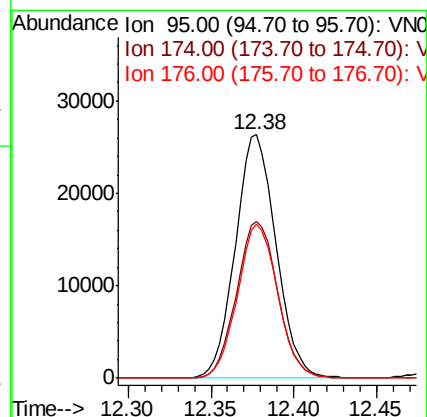
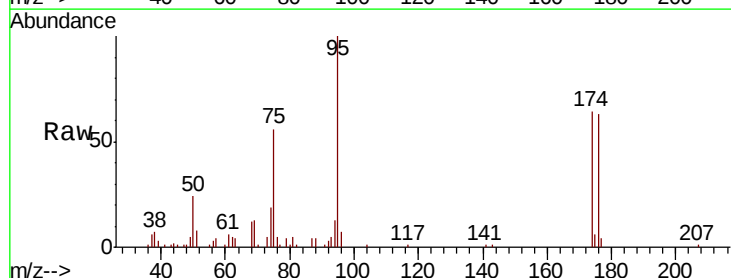
Instrument :
MSVOA_N
ClientSampled :

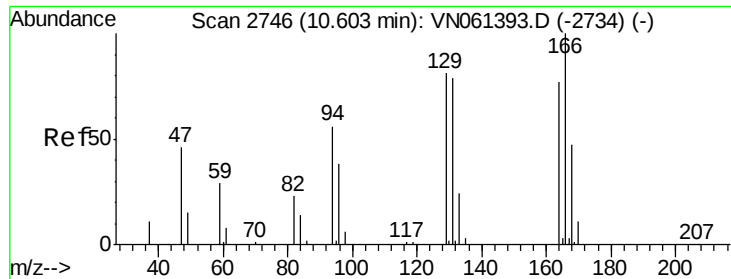
Tot Ion: 43 Resp: 15918
Ion Ratio Lower Upper
43 100
58 51.4 41.4 62.0
57 17.4 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 28.677 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion: 95 Resp: 44967
Ion Ratio Lower Upper
95 100
174 64.8 59.9 89.9
176 62.4 58.3 87.5

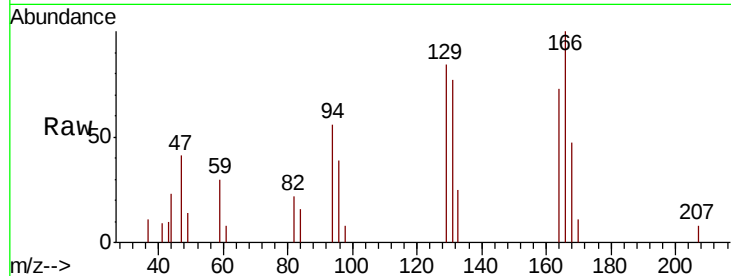




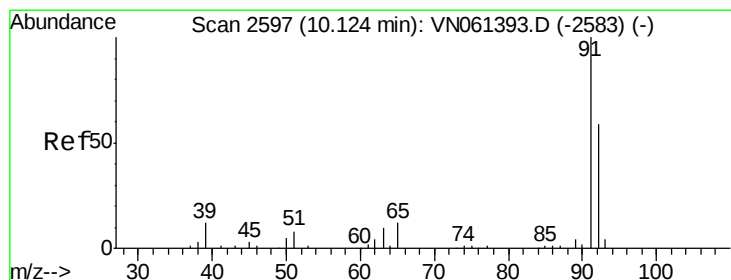
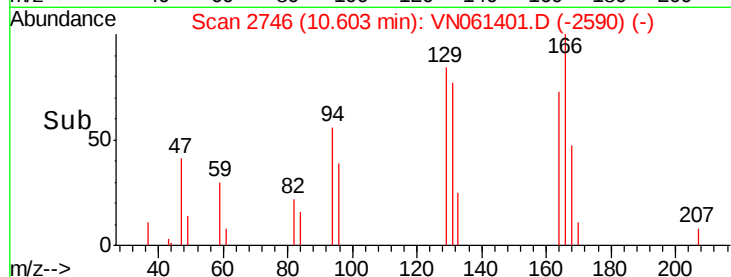
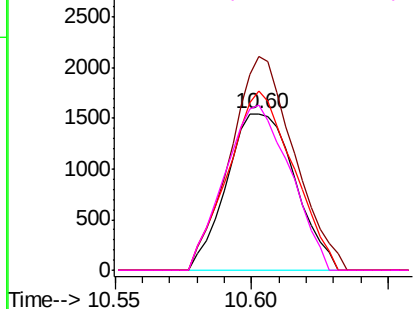
#61
Tetrachloroethene
Concen: 2.339 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:164 Resp: 2687
Ion Ratio Lower Upper
164 100
166 136.5 101.4 152.2
129 114.2 78.1 117.1
131 105.7 73.2 109.8

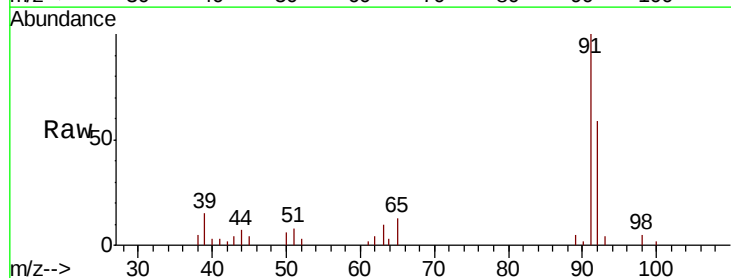


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

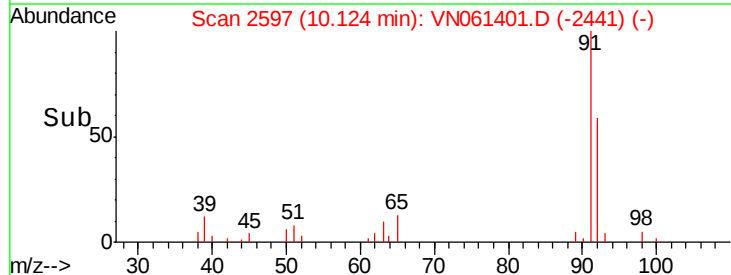
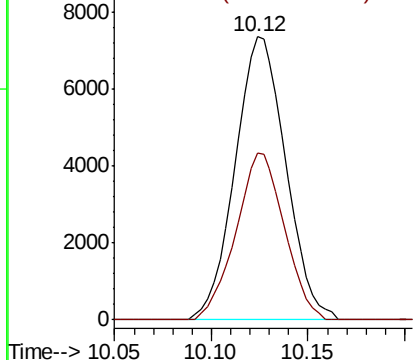


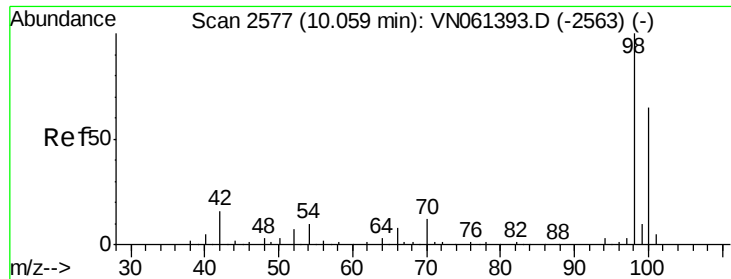
#62
Toluene
Concen: 2.511 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion: 91 Resp: 13375
Ion Ratio Lower Upper
91 100
92 56.4 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 31.004 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

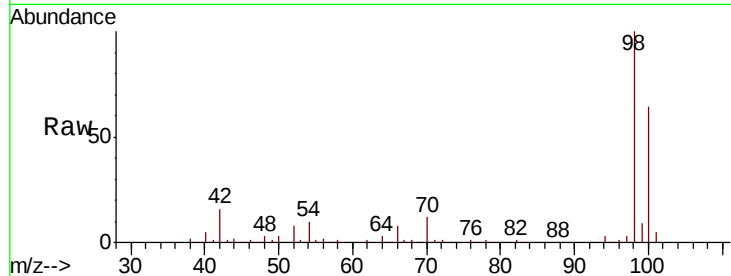
ClientSampled :

Tot Ion: 98 Resp: 131848

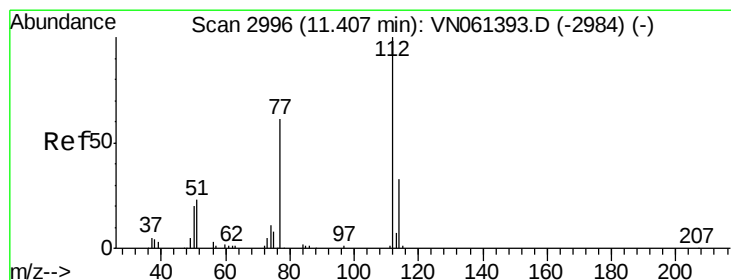
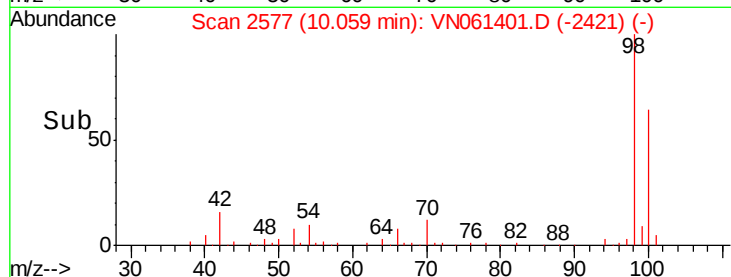
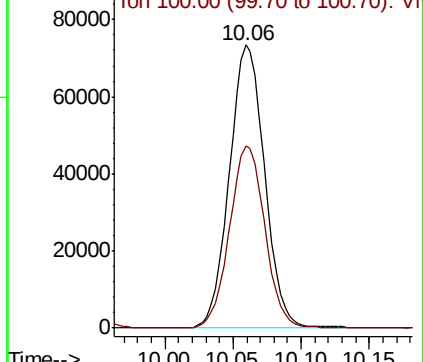
Ion Ratio Lower Upper

98 100

100 64.5 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN061393.D (-2563) (-)



#64

Chlorobenzene

Concen: 2.546 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061401.D

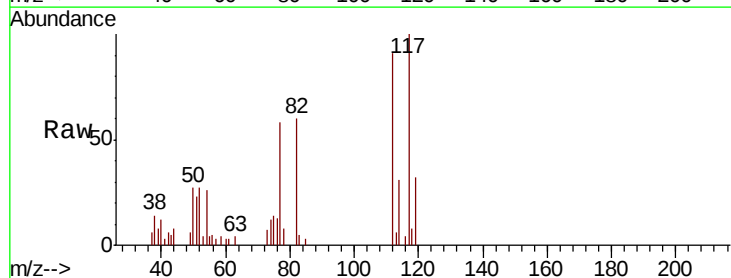
Acq: 14 May 2020 18:30

Tgt Ion: 112 Resp: 8025

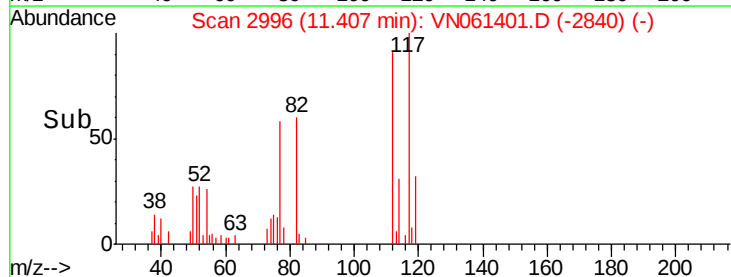
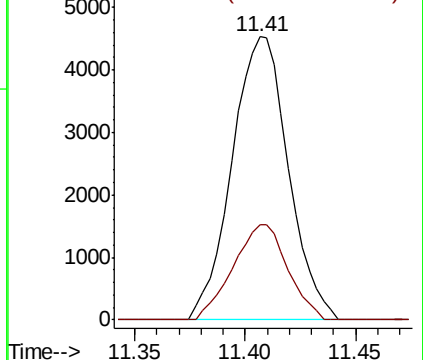
Ion Ratio Lower Upper

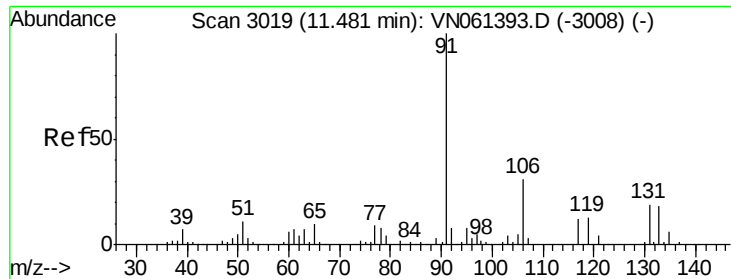
112 100

114 33.7 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): VN061393.D (-2984) (-)

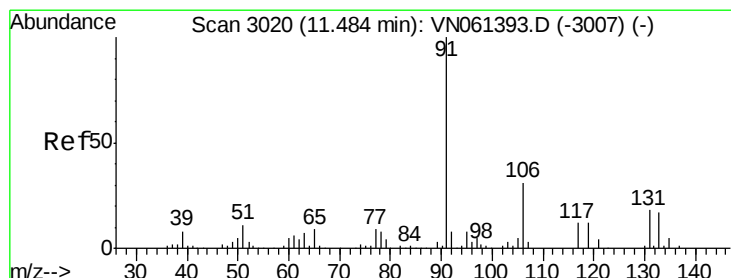
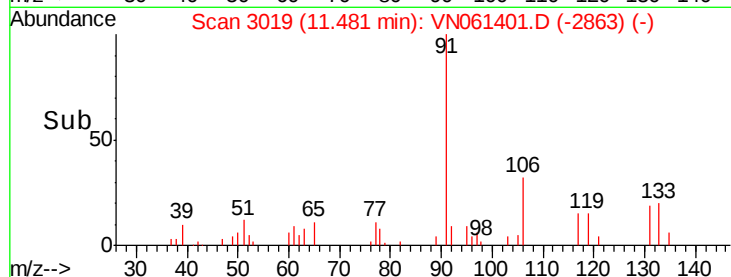
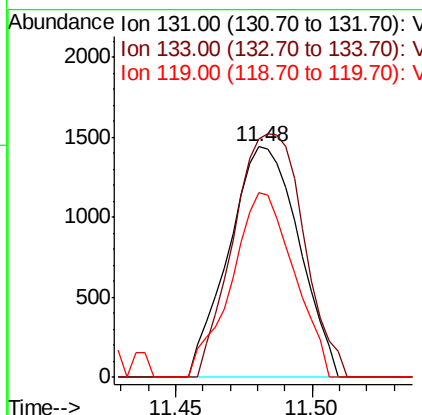
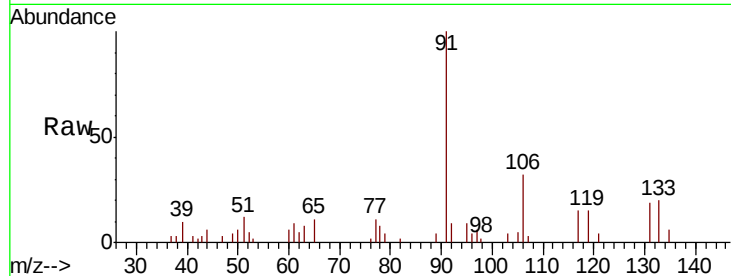




#65
 1,1,1,2-Tetrachloroethane
 Concen: 2.226 ug/l
 RT: 11.48 min Scan# 3019
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

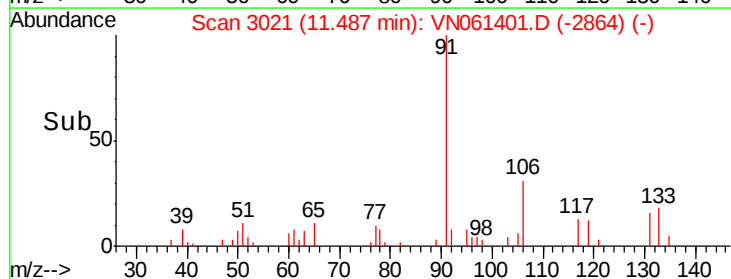
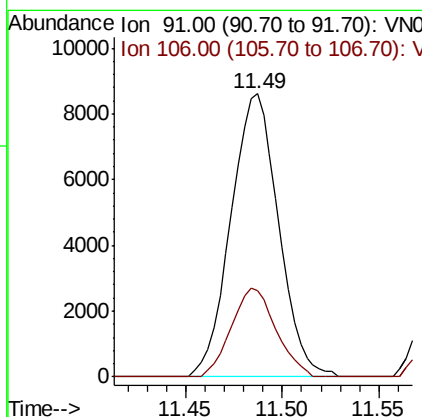
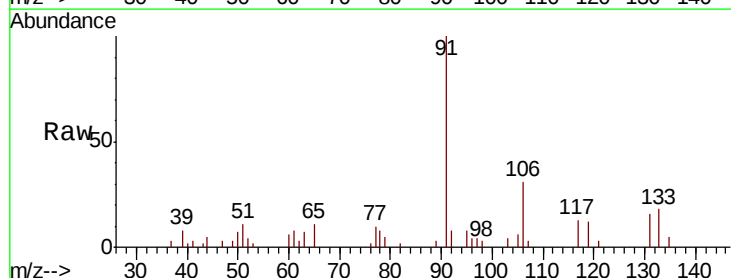
Instrument :
 MSVOA_N
 ClientSampled :

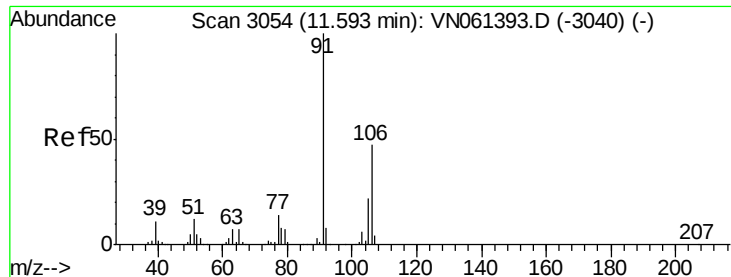
Tot Ion:131 Resp: 2564
 Ion Ratio Lower Upper
 131 100
 133 105.7 0.0 194.0
 119 71.5 0.0 136.8



#66
 Ethyl Benzene
 Concen: 2.413 ug/l
 RT: 11.49 min Scan# 3021
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion: 91 Resp: 14747
 Ion Ratio Lower Upper
 91 100
 106 30.6 24.2 36.4





#67

m/p-Xylenes

Concen: 4.840 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

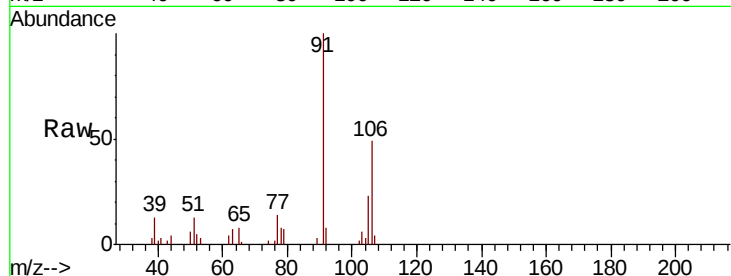
ClientSampled :

Tot Ion:106 Resp: 10923

Ion Ratio Lower Upper

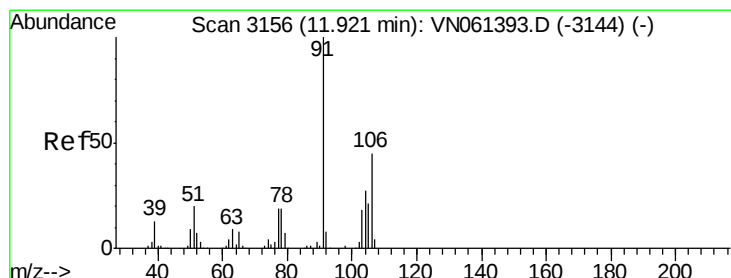
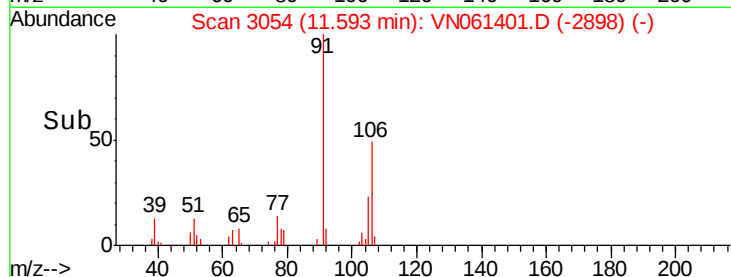
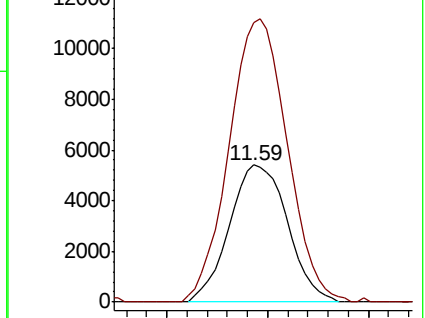
106 100

91 206.1 165.6 248.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 2.301 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN061401.D

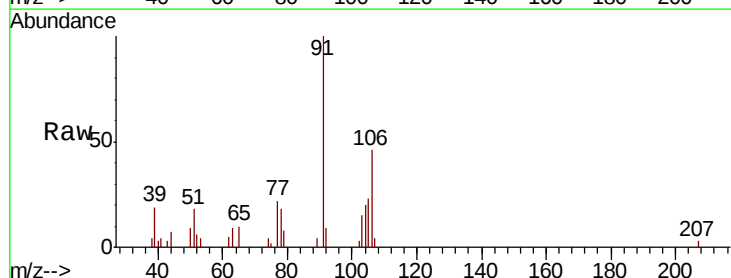
Acq: 14 May 2020 18:30

Tgt Ion:106 Resp: 4957

Ion Ratio Lower Upper

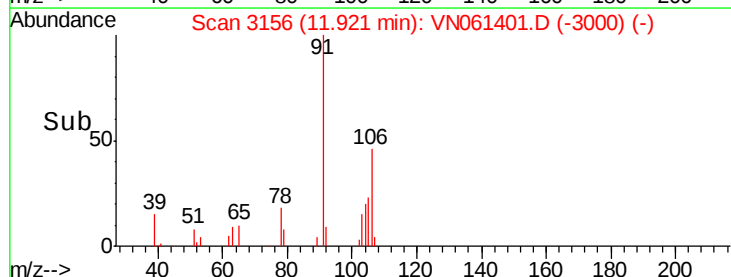
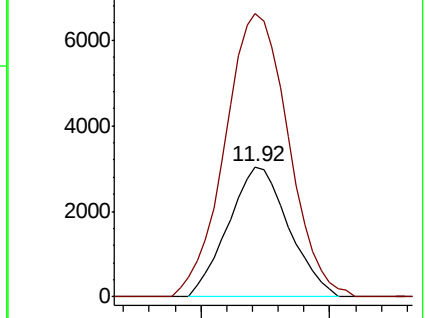
106 100

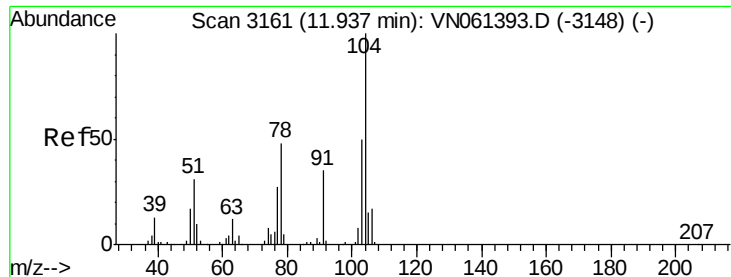
91 228.8 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

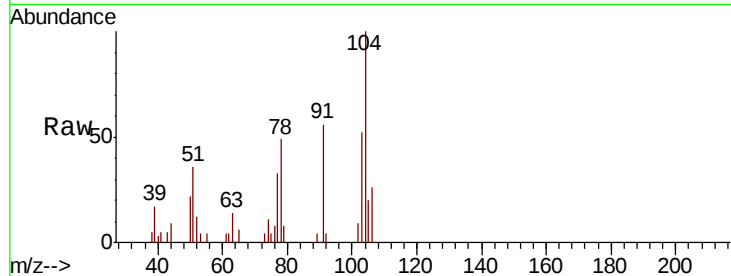




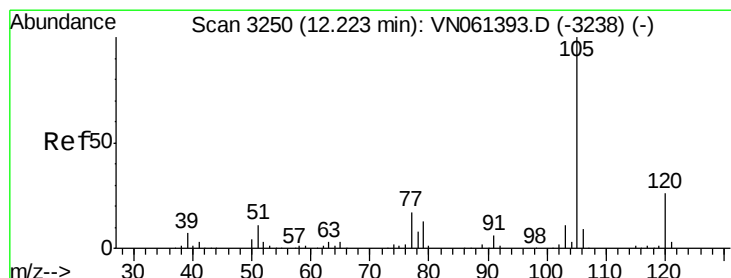
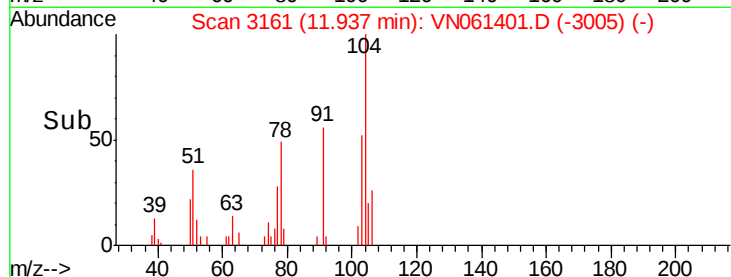
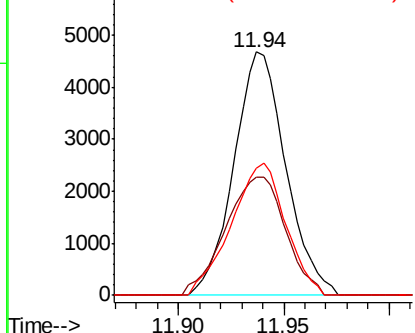
#69
Stvrene
Concen: 2.163 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:104 Resp: 8018
Ion Ratio Lower Upper
104 100
78 56.2 42.4 63.6
103 56.6 44.6 66.8

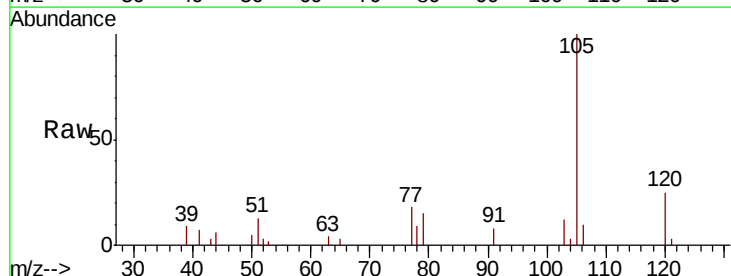


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

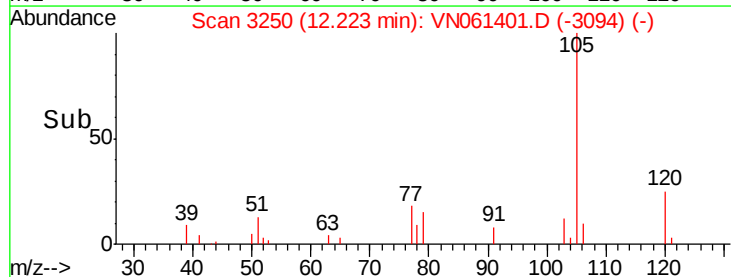
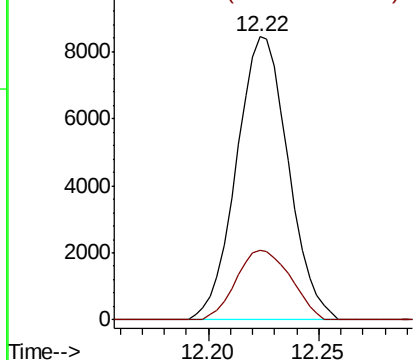


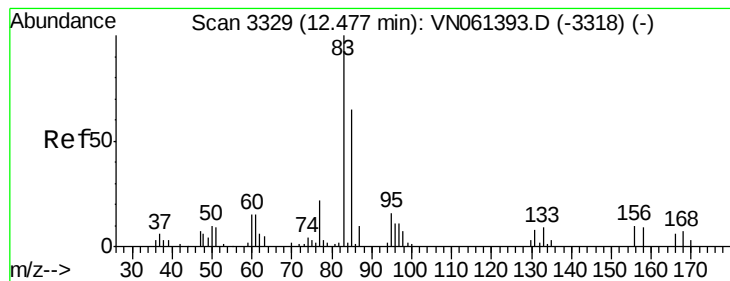
#70
Isopropylbenzene
Concen: 2.365 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion:105 Resp: 13803
Ion Ratio Lower Upper
105 100
120 25.8 18.4 34.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 2.585 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

ClientSampled :

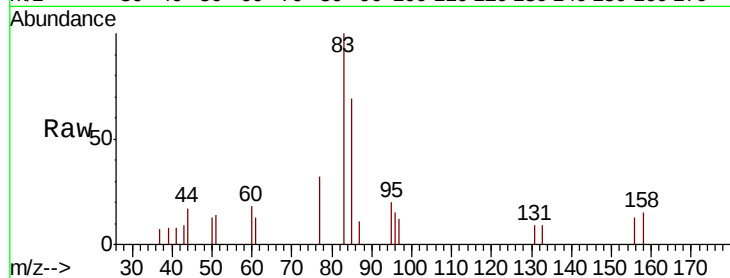
Tot Ion: 83 Resp: 4168

Ion Ratio Lower Upper

83 100

131 6.3 4.9 14.7

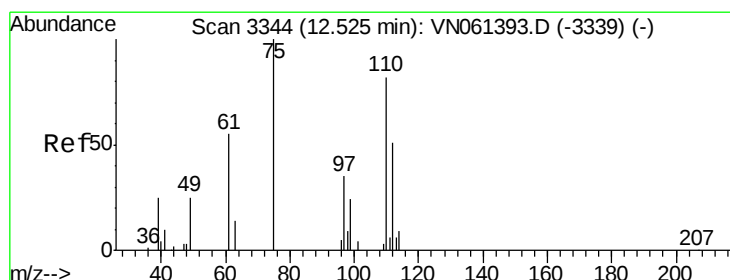
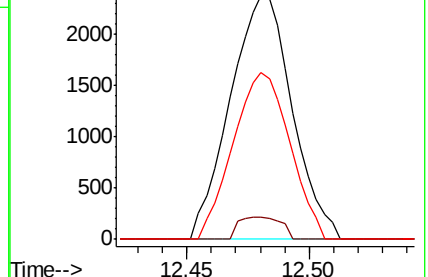
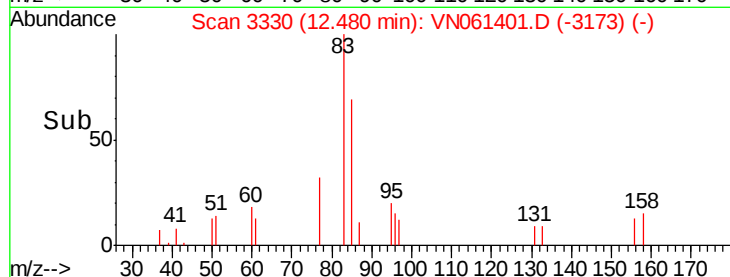
85 62.8 31.6 94.7



Abundance Ion 83.00 (82.70 to 83.70): VN061401.D (-3173) (-)

Ion 131.00 (130.70 to 131.70): VN061401.D (-3173) (-)

Ion 85.00 (84.70 to 85.70): VN061401.D (-3173) (-)



#72

1,2,3-Trichloropropane

Concen: 3.654 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061401.D

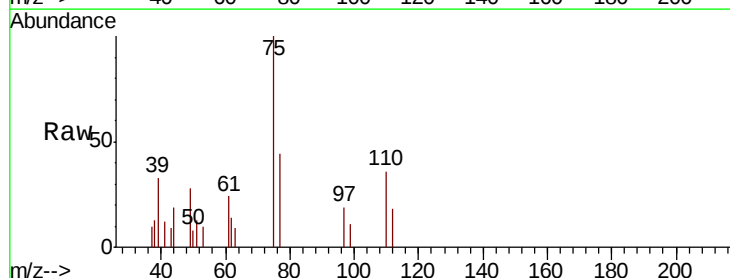
Acq: 14 May 2020 18:30

Tgt Ion: 75 Resp: 5619

Ion Ratio Lower Upper

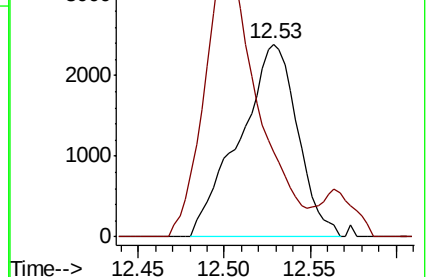
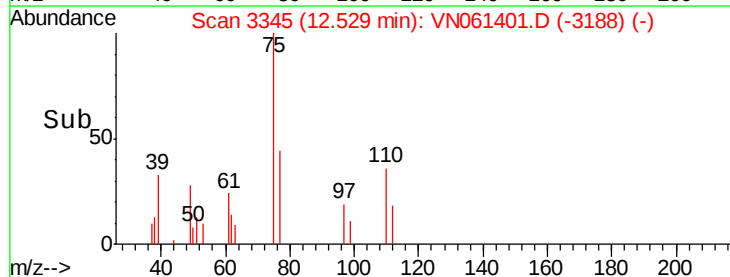
75 100

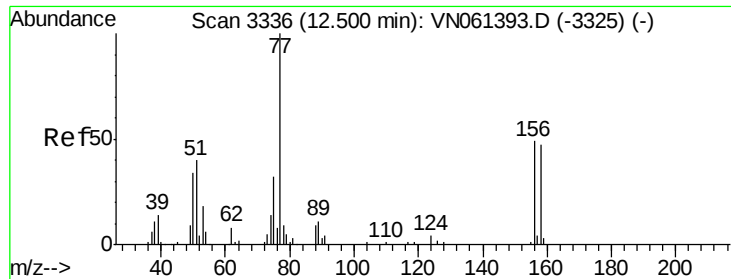
77 133.0 0.0 359.4



Abundance Ion 75.00 (74.70 to 75.70): VN061401.D (-3188) (-)

Ion 77.00 (76.70 to 77.70): VN061401.D (-3188) (-)





#73

Bromobenzene

Concen: 2.331 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

ClientSampled :

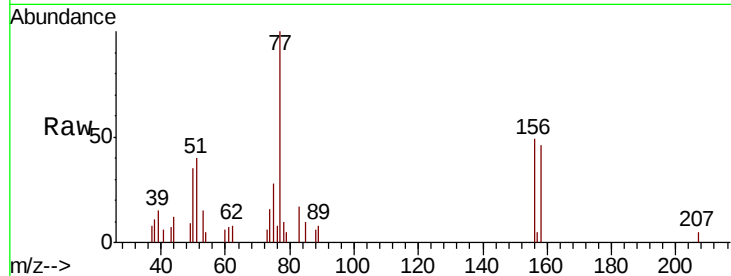
Tot Ion:156 Resp: 2826

Ion Ratio Lower Upper

156 100

77 264.5 0.0 456.0

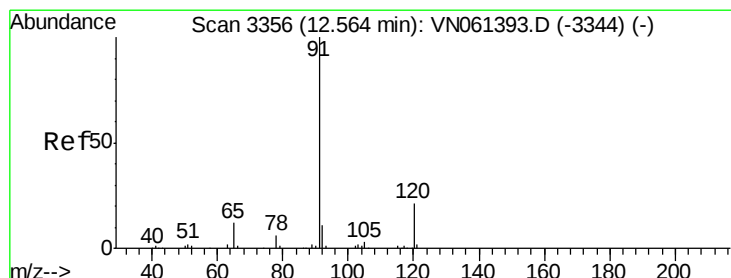
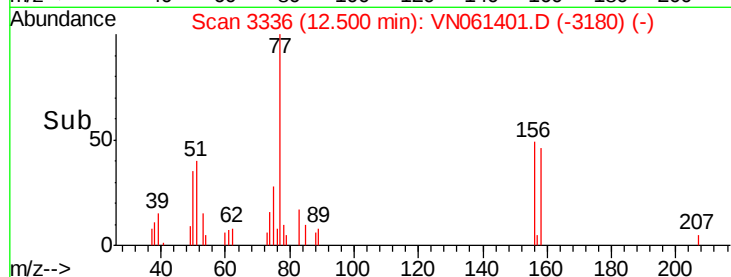
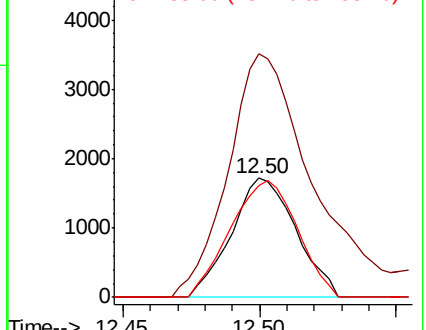
158 101.7 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 2.359 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061401.D

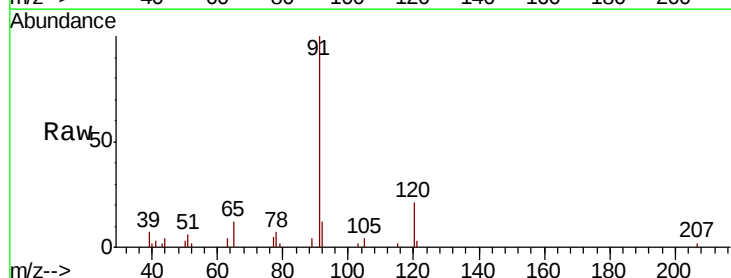
Acq: 14 May 2020 18:30

Tgt Ion: 91 Resp: 16370

Ion Ratio Lower Upper

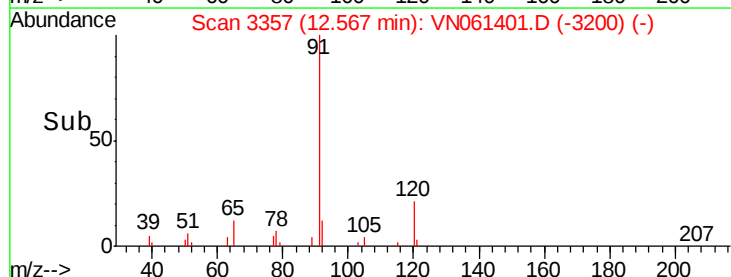
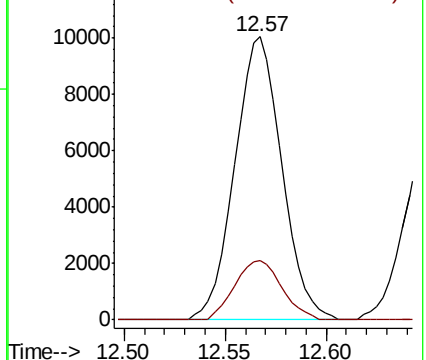
91 100

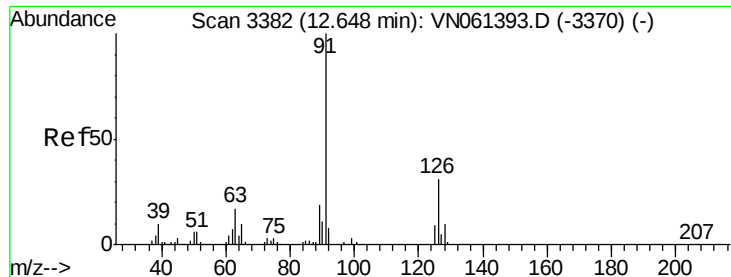
120 21.1 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 2.478 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

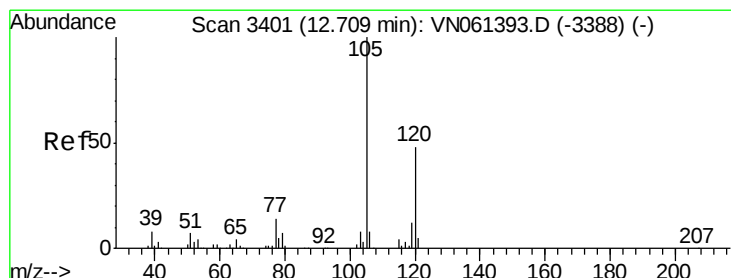
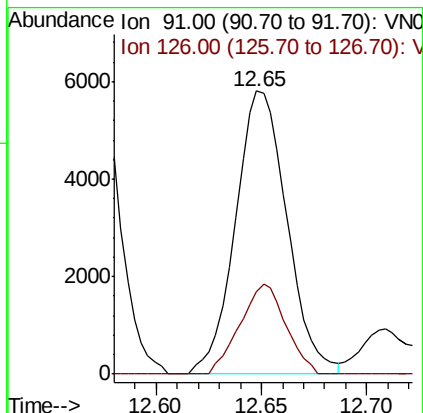
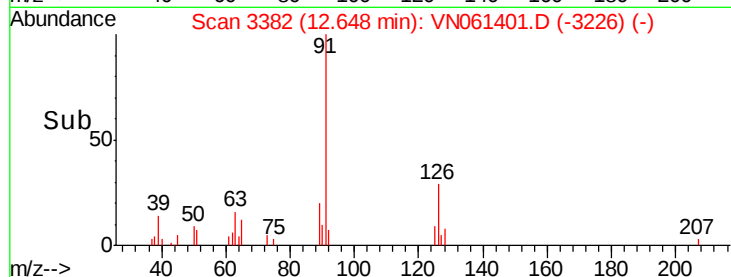
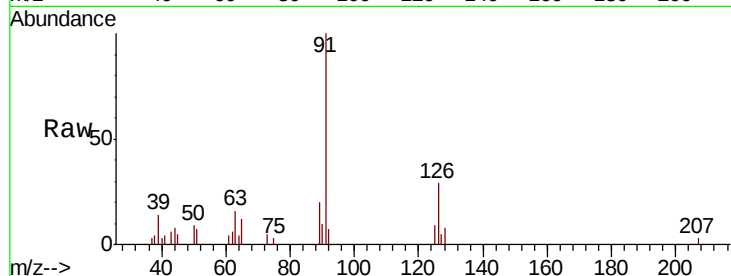
ClientSampleId :

Tot Ion: 91 Resp: 9861

Ion Ratio Lower Upper

91 100

126 28.2 0.0 65.4



#76

1,3,5-Trimethylbenzene

Concen: 2.265 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061401.D

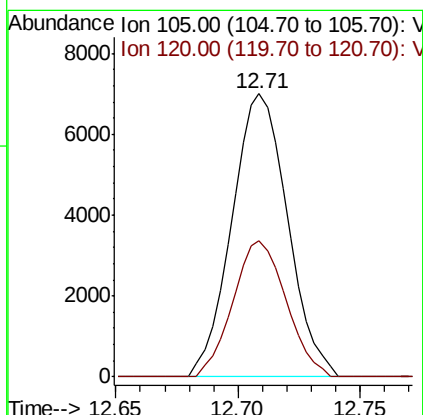
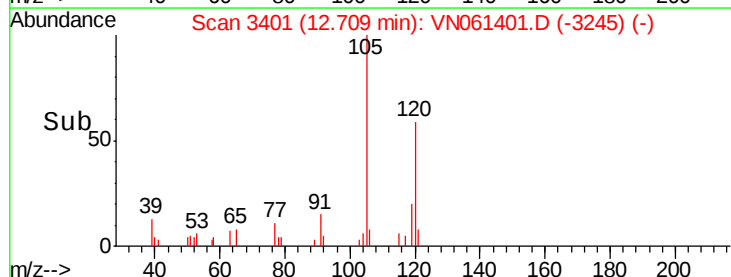
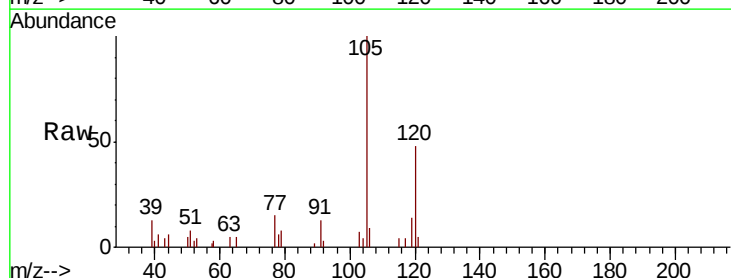
Acq: 14 May 2020 18:30

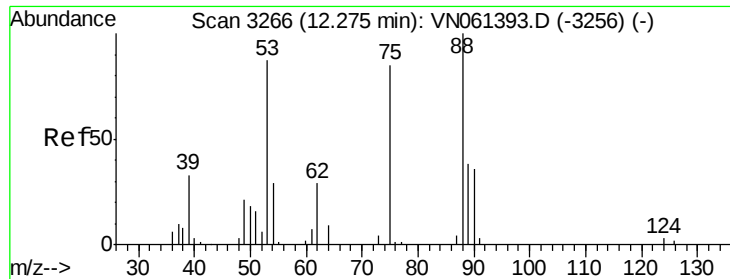
Tgt Ion: 105 Resp: 11093

Ion Ratio Lower Upper

105 100

120 46.0 0.0 94.0





#77

t-1,4-Dichloro-2-butene

Concen: 2.187 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

ClientSampled :

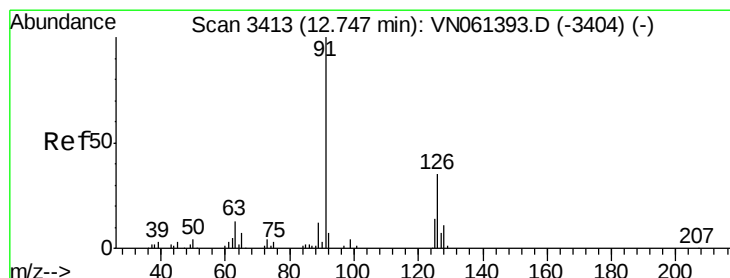
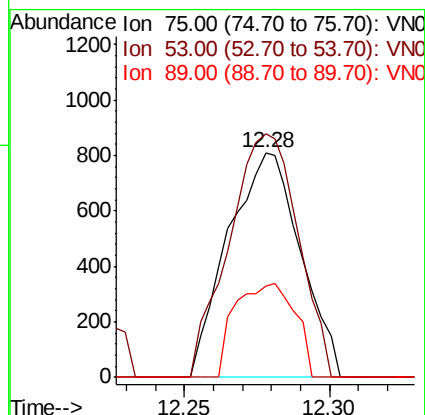
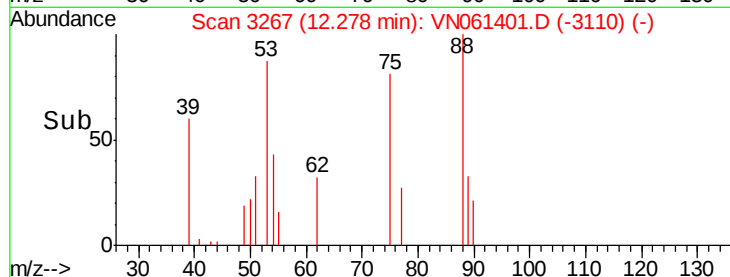
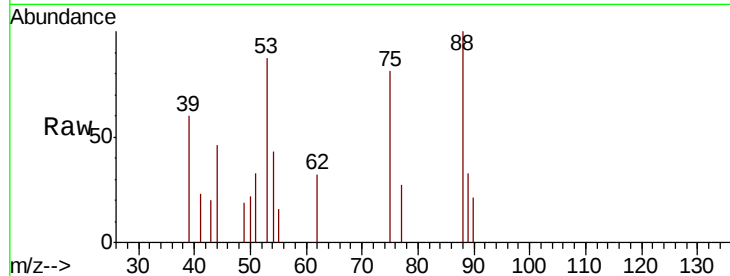
Tot Ion: 75 Resp: 1400

Ion Ratio Lower Upper

75 100

53 108.3 50.0 150.0

89 40.8 20.7 62.1



#78

4-Chlorotoluene

Concen: 2.348 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061401.D

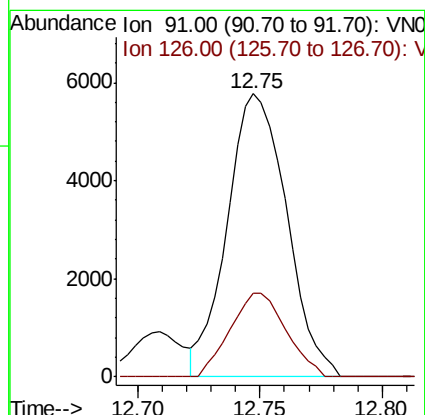
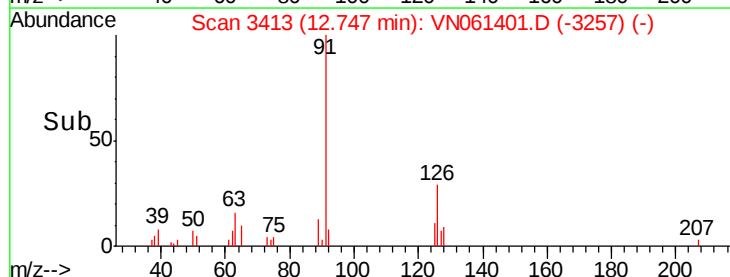
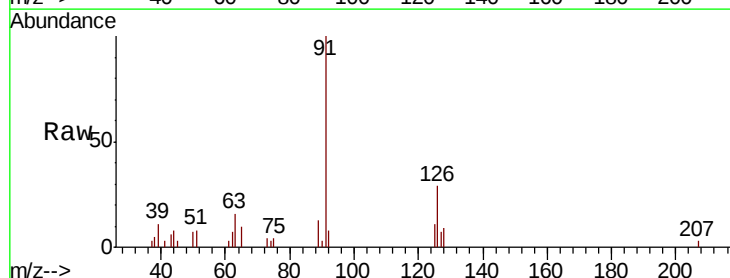
Acq: 14 May 2020 18:30

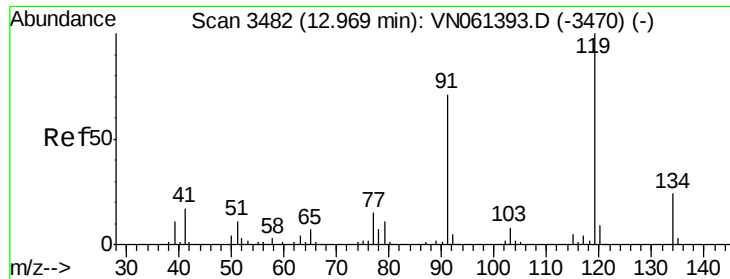
Tgt Ion: 91 Resp: 9783

Ion Ratio Lower Upper

91 100

126 27.8 0.0 63.4

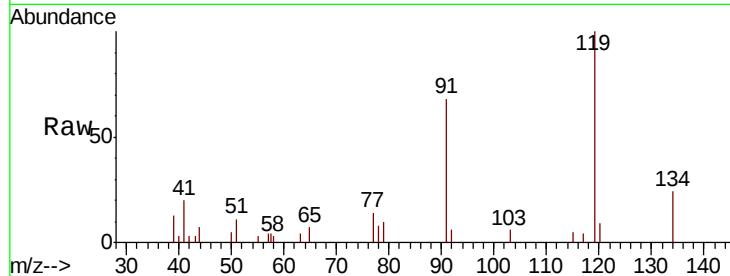




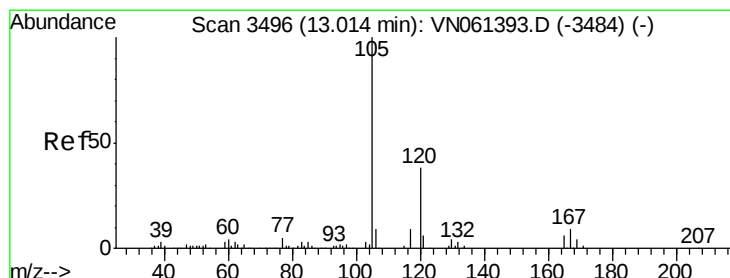
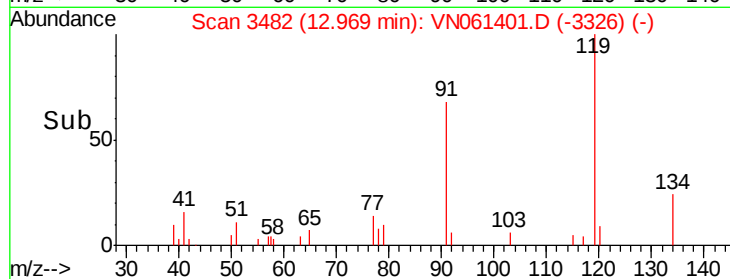
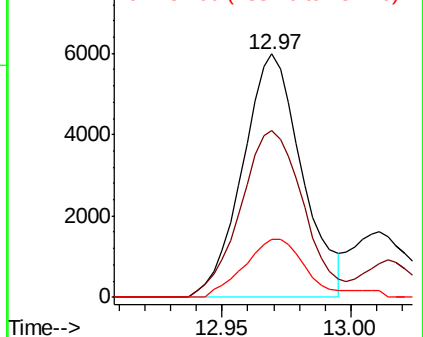
#79
tert-butylbenzene
Concen: 2.359 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 9599
Ion Ratio Lower Upper
119 100
91 72.6 0.0 136.4
134 23.9 0.0 47.2

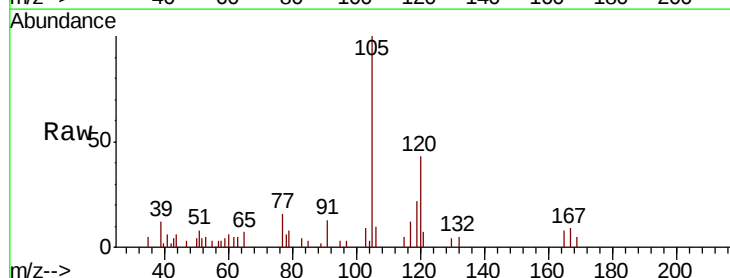


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

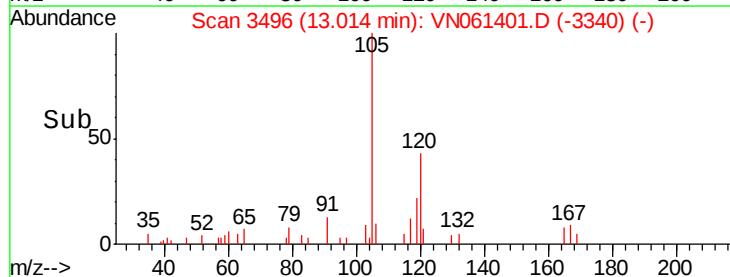
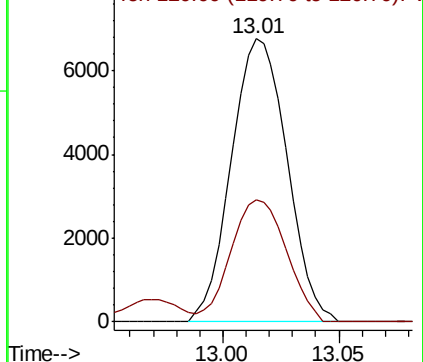


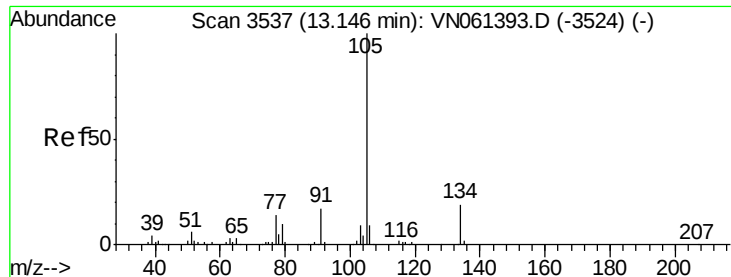
#80
1,2,4-Trimethylbenzene
Concen: 2.311 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion:105 Resp: 11298
Ion Ratio Lower Upper
105 100
120 43.0 0.0 89.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

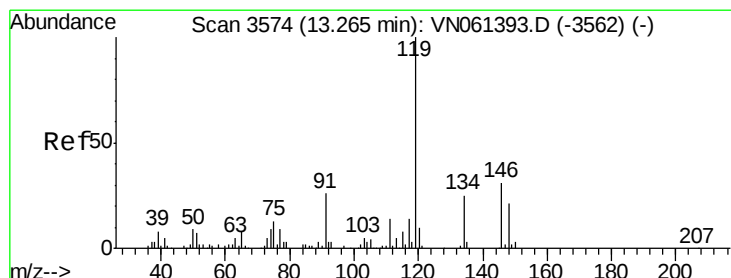
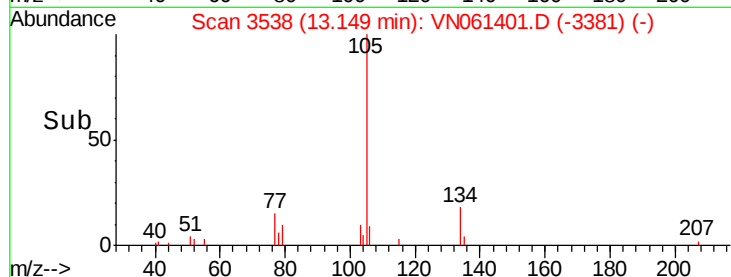
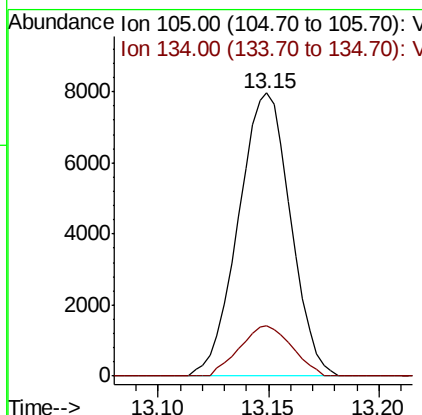
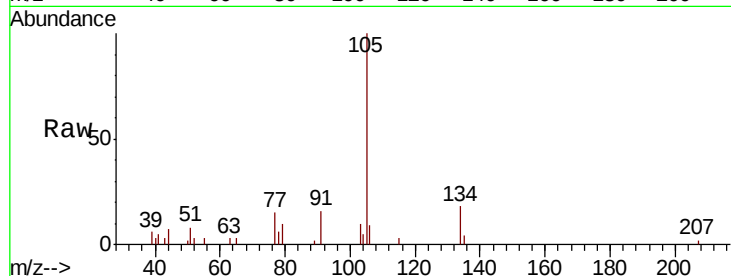




#81
 sec-Butylbenzene
 Concen: 2.322 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

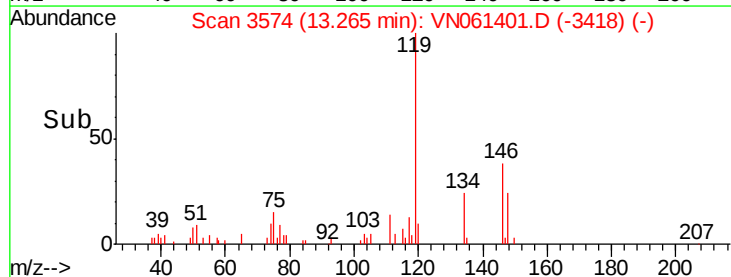
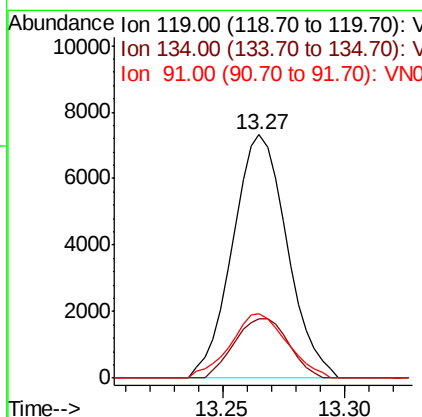
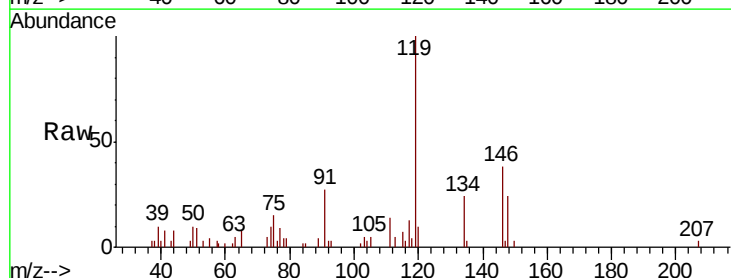
Instrument :
 MSVOA_N
 ClientSampleId :

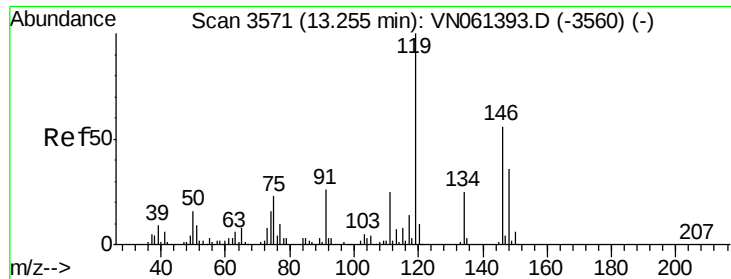
Tot Ion:105 Resp: 13014
 Ion Ratio Lower Upper
 105 100
 134 17.9 0.0 38.0



#82
 p-Isopropyltoluene
 Concen: 2.247 ug/l
 RT: 13.27 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN061401.D
 Acq: 14 May 2020 18:30

Tgt Ion:119 Resp: 11340
 Ion Ratio Lower Upper
 119 100
 134 24.2 0.0 50.8
 91 27.5 0.0 49.4





#83

1,3-Dichlorobenzene

Concen: 2.276 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. 0.01 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

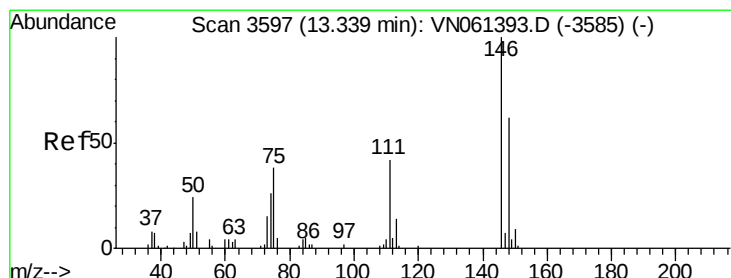
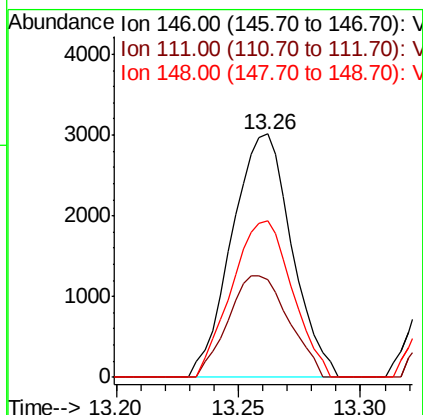
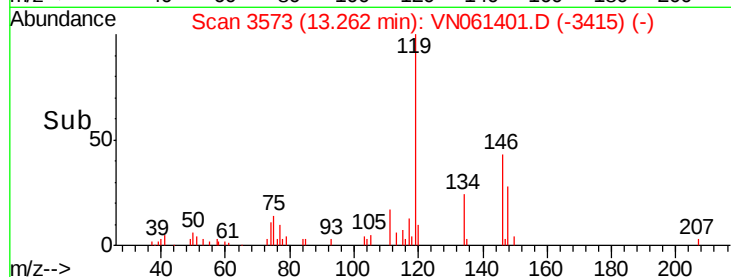
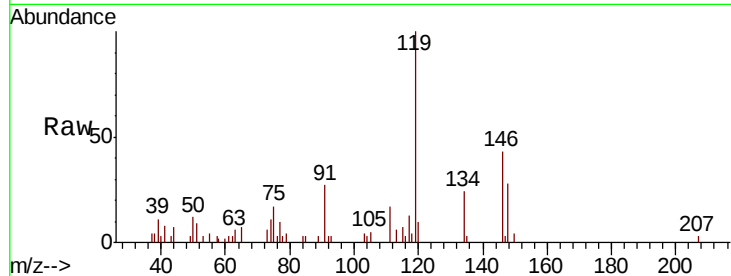
Tot Ion:146 Resp: 5128

Ion Ratio Lower Upper

146 100

111 42.3 21.0 63.0

148 64.9 31.7 95.1



#84

1,4-Dichlorobenzene

Concen: 2.254 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

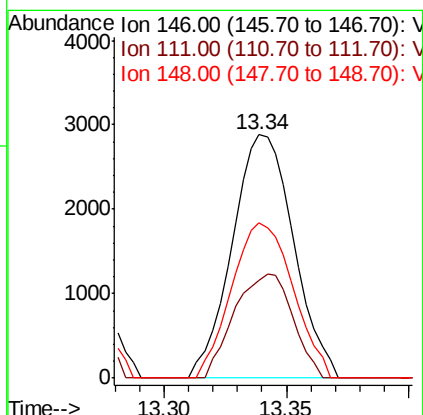
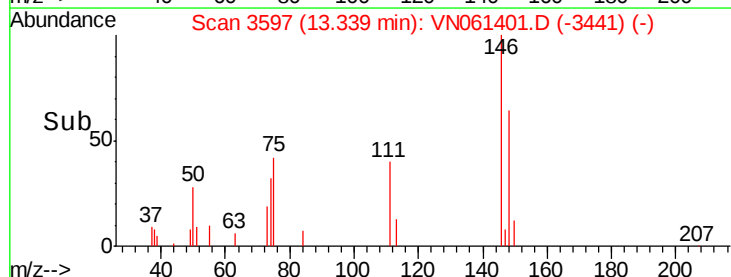
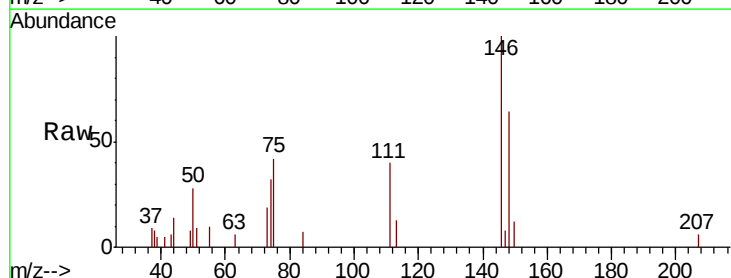
Tgt Ion:146 Resp: 5025

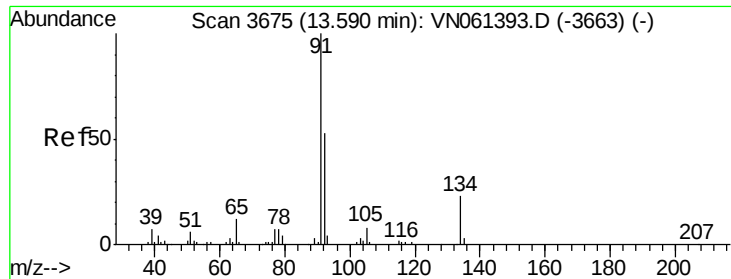
Ion Ratio Lower Upper

146 100

111 40.9 19.8 59.4

148 63.9 31.6 94.8

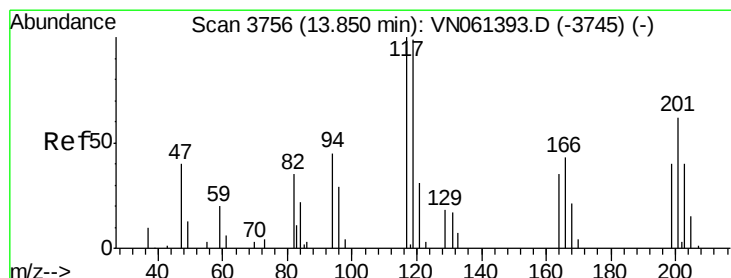
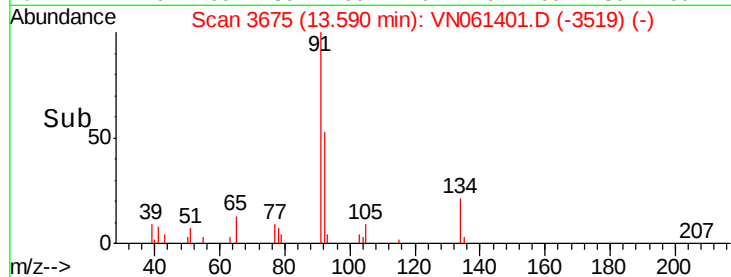
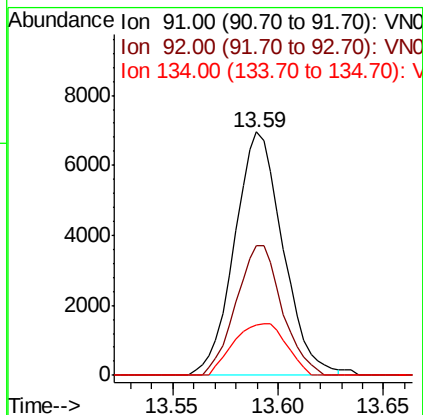
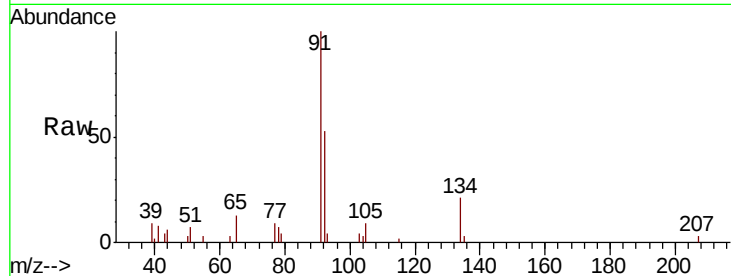




#85
n-Butylbenzene
Concen: 2.370 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

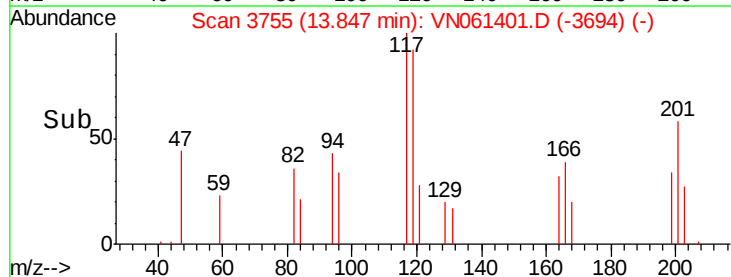
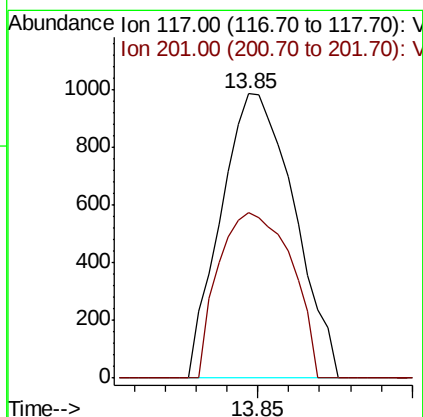
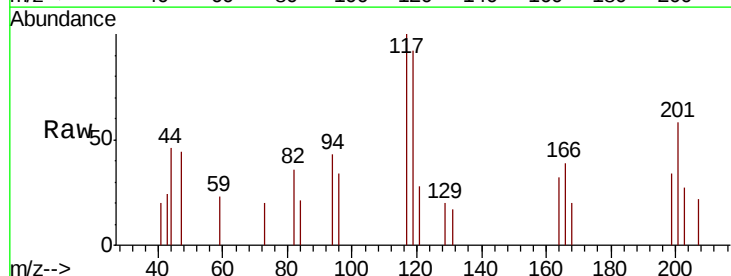
Instrument :
MSVOA_N
ClientSampled :

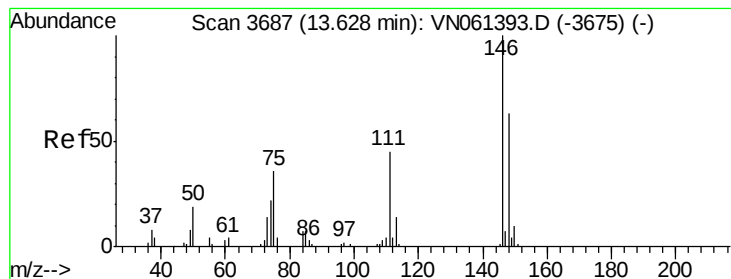
Tot Ion: 91 Resp: 11075
Ion Ratio Lower Upper
91 100
92 50.9 0.0 102.8
134 23.1 0.0 48.6



#86
Hexachloroethane
Concen: 2.294 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion: 117 Resp: 1614
Ion Ratio Lower Upper
117 100
201 57.9 38.7 116.1





#87

1,2-Dichlorobenzene

Concen: 2.270 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

Instrument :

MSVOA_N

ClientSampled :

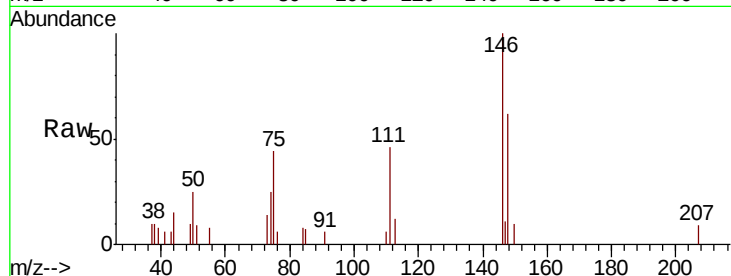
Tot Ion:146 Resp: 4851

Ion Ratio Lower Upper

146 100

111 47.2 21.8 65.4

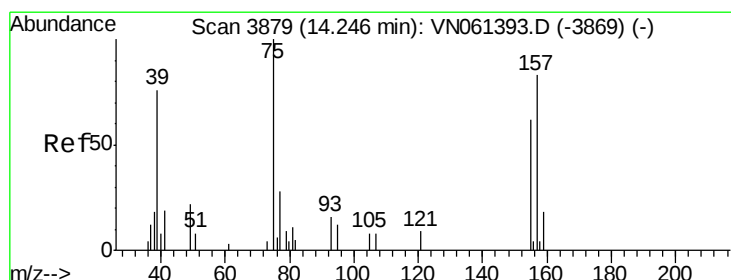
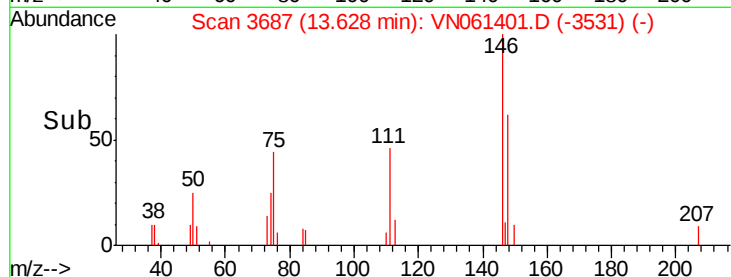
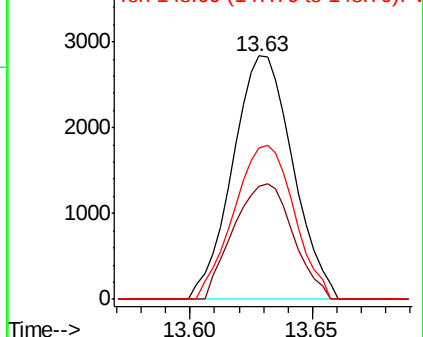
148 63.2 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 2.444 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VN061401.D

Acq: 14 May 2020 18:30

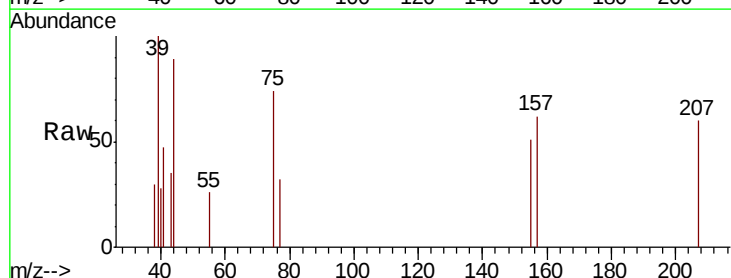
Tgt Ion: 75 Resp: 840

Ion Ratio Lower Upper

75 100

155 49.0 58.3 87.5#

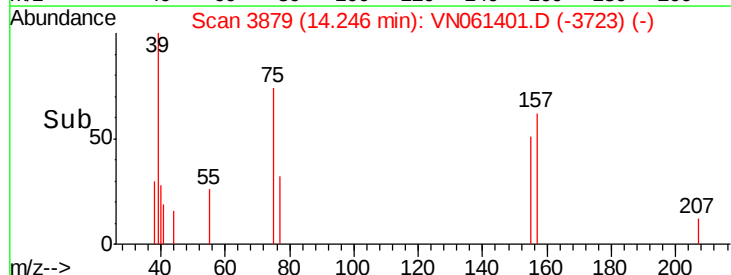
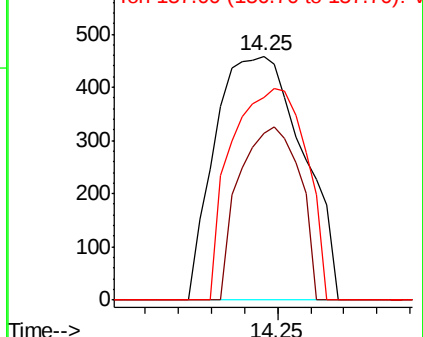
157 74.5 75.0 112.6#

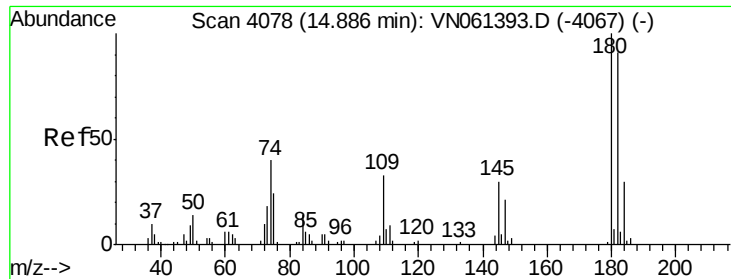


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

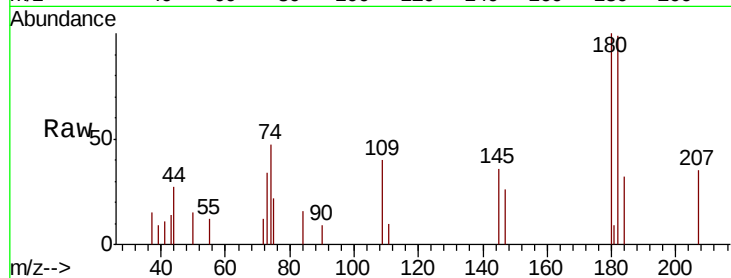




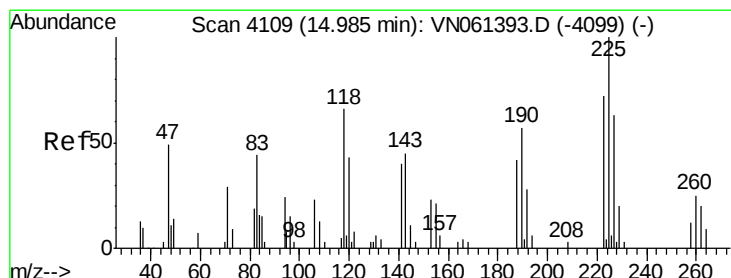
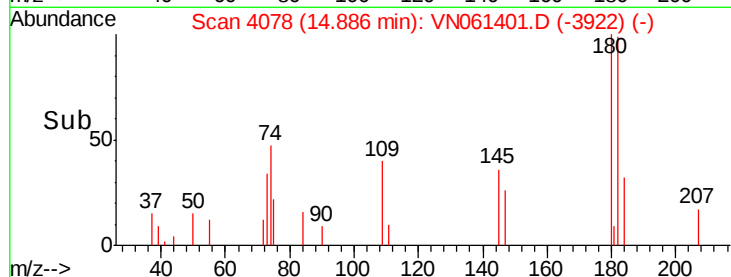
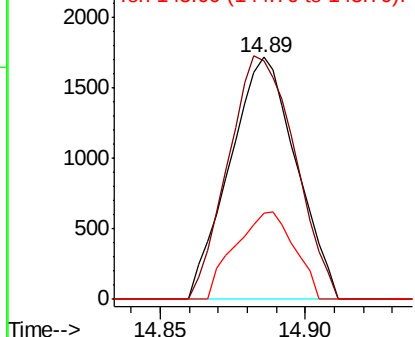
#89
1,2,4-Trichlorobenzene
Concen: 2.230 ug/l
RT: 14.89 min Scan# 4078
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:180 Resp: 2738
Ion Ratio Lower Upper
180 100
182 101.2 75.3 112.9
145 32.2 24.8 37.2

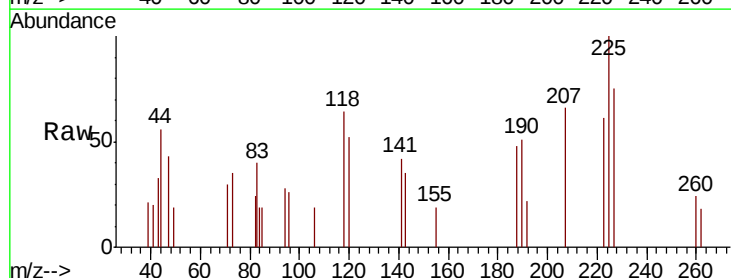


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

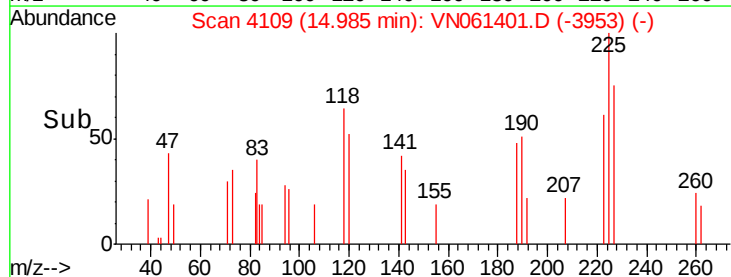
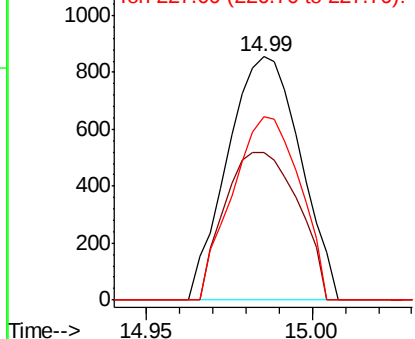


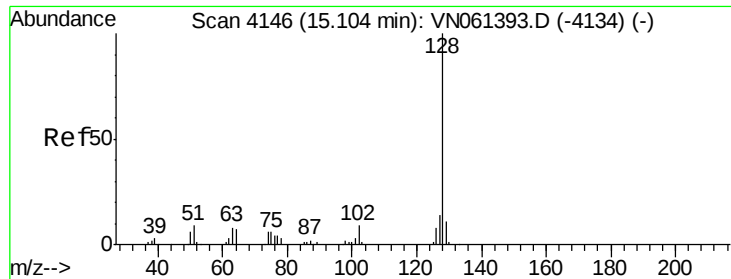
#90
Hexachlorobutadiene
Concen: 2.613 ug/l
RT: 14.99 min Scan# 4109
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion:225 Resp: 1307
Ion Ratio Lower Upper
225 100
223 61.4 0.0 126.2
227 69.9 0.0 127.0



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V

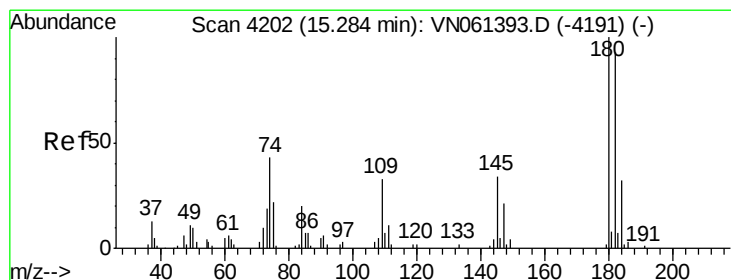
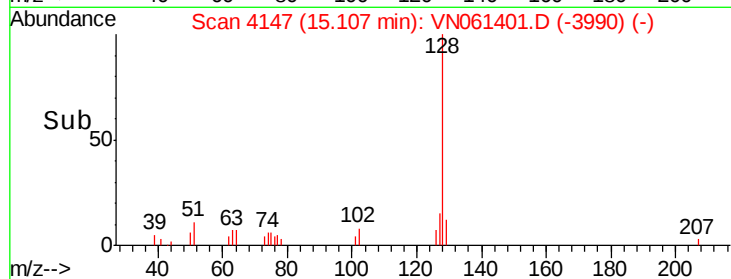
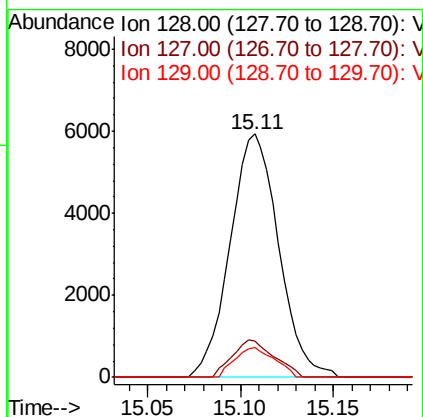
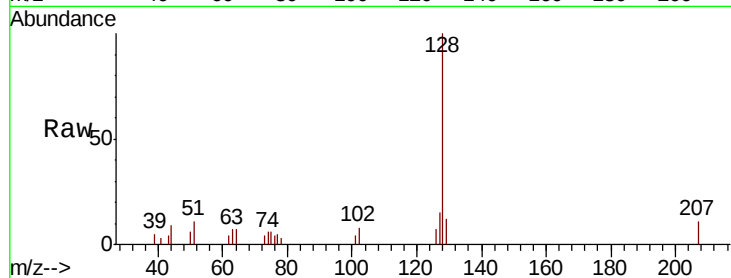




#91
Naphthalene
Concen: 2.795 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 10795
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 10.1 8.6 13.0



#92
1,2,3-Trichlorobenzene
Concen: 2.553 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061401.D
Acq: 14 May 2020 18:30

Tgt Ion:180 Resp: 3045
Ion Ratio Lower Upper
180 100
182 94.0 0.0 193.4
145 33.5 0.0 65.8

