

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050420\
 Data File : VN061278.D
 Acq On : 4 May 2020 15:17
 Operator : JC/MD
 Sample : L2467-03MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 03:43:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	102950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	175417	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	167684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	82227	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	85239	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
35) Dibromofluoromethane	7.55	113	50591	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	10.06	98	225911	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
62) 4-Bromofluorobenzene	12.38	95	85958	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	55680	51.003	ug/l	99
3) Chloromethane	2.03	50	75908	57.411	ug/l	98
4) Vinyl Chloride	2.16	62	84411	56.208	ug/l	99
5) Bromomethane	2.53	94	34624	46.642	ug/l	99
6) Chloroethane	2.67	64	51120	53.705	ug/l	100
7) Trichlorofluoromethane	2.98	101	100430	59.275	ug/l	96
8) Diethyl Ether	3.37	74	40109	56.755	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	58460	53.558	ug/l	99
10) Methyl Iodide	3.91	142	63003	44.914	ug/l	100
11) Tert butyl alcohol	4.73	59	68601	314.373	ug/l	100
12) 1,1-Dichloroethene	3.69	96	55832	51.401	ug/l	100
13) Acrolein	3.56	56	41538	285.643	ug/l	99
14) Allyl chloride	4.27	41	121707	60.430	ug/l	98
15) Acrylonitrile	4.93	53	189243	282.510	ug/l	99
16) Acetone	3.77	43	166572	264.722	ug/l	100
17) Carbon Disulfide	4.01	76	135041	45.006	ug/l	100
18) Methyl Acetate	4.27	43	97378	47.392	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	217565	52.419	ug/l	99
20) Methylene Chloride	4.50	84	66220	52.133	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	61963	52.388	ug/l	99
22) Diisopropyl ether	5.90	45	255674	54.744	ug/l	99
23) Vinyl Acetate	5.84	43	1018637	270.880	ug/l	99
24) 1,1-Dichloroethane	5.80	63	128655	52.724	ug/l	99
25) 2-Butanone	6.79	43	267729	277.749	ug/l	99
26) 2,2-Dichloropropane	6.78	77	107498	52.302	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	72422	52.177	ug/l	98
28) Bromochloromethane	7.15	49	60672	52.458	ug/l	96
29) Tetrahydrofuran	7.17	42	178117	274.313	ug/l	98
30) Chloroform	7.33	83	128036	51.777	ug/l	98
31) Cyclohexane	7.62	56	113899	48.063	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	109008	50.623	ug/l	99
36) 1,1-Dichloropropene	7.75	75	94369	53.741	ug/l	99
37) Ethyl Acetate	6.88	43	111317	54.073	ug/l	100
38) Carbon Tetrachloride	7.73	117	83351	51.932	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	106189	53.922	ug/l	98
40) Benzene	8.00	78	275707	52.701	ug/l	100
41) Methacrylonitrile	7.12	41	56688	66.322	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	108285	54.637	ug/l	99
43) Isopropyl Acetate	8.13	43	239110	69.986	ug/l #	90
44) Trichloroethene	8.80	130	70123	49.583	ug/l	99
45) 1,2-Dichloropropane	9.08	63	75931	54.327	ug/l	99
46) Dibromomethane	9.17	93	46674	53.934	ug/l	99
47) Bromodichloromethane	9.37	83	101704	54.754	ug/l	98
48) Methyl methacrylate	9.17	41	90525	58.717	ug/l	98
49) 1,4-Dioxane	9.17	88	18776	1072.895	ug/l	92
51) 4-Methyl-2-Pentanone	9.95	43	578426	287.629	ug/l	100
52) Toluene	10.12	92	169188	53.691	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	112355	53.682	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	118119	53.383	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	67794	53.938	ug/l	97
56) Ethyl methacrylate	10.40	69	111765	50.973	ug/l	99
57) 1,3-Dichloropropane	10.68	76	120237	54.423	ug/l	99
59) 2-Hexanone	10.72	43	426109	291.246	ug/l	99
60) Dibromochloromethane	10.88	129	71118	54.024	ug/l	99
61) 1,2-Dibromoethane	10.98	107	68244	54.171	ug/l	99
64) Tetrachloroethene	10.60	164	68599	47.234	ug/l	99
65) Chlorobenzene	11.41	112	173763	52.239	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	64523	54.198	ug/l	99
67) Ethyl Benzene	11.48	91	333573	53.571	ug/l	100
68) m/p-Xylenes	11.60	106	242801	106.530	ug/l	99
69) o-Xylene	11.92	106	114746	52.412	ug/l	96
70) Stvrene	11.94	104	199863	54.544	ug/l	99
71) Bromoform	12.10	173	48470	55.397	ug/l #	99
73) Isopropylbenzene	12.22	105	318677	52.718	ug/l	99
74) N-amyl acetate	12.05	43	162403	53.055	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	102047	54.140	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	139751	80.615	ug/l #	100
77) Bromobenzene	12.50	156	72114	51.679	ug/l	98
78) n-propylbenzene	12.57	91	381391	53.193	ug/l	100
79) 2-Chlorotoluene	12.65	91	221540	52.569	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	270307	54.028	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	37589	55.064	ug/l	97
82) 4-Chlorotoluene	12.75	91	237349	53.436	ug/l	98
83) tert-Butylbenzene	12.97	119	232672	55.153	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	271693	52.709	ug/l	99
85) sec-Butylbenzene	13.15	105	312120	54.266	ug/l	100
86) p-Isopropyltoluene	13.26	119	277918	53.630	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	132350	51.521	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	133910	51.019	ug/l	100
89) n-Butylbenzene	13.59	91	265717	55.932	ug/l	99
90) Hexachloroethane	13.85	117	31800	57.485	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	128364	52.114	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21474	53.943	ug/l	99
93) 1,2,4-Trichlorobenzene	14.89	180	78131	52.090	ug/l	99

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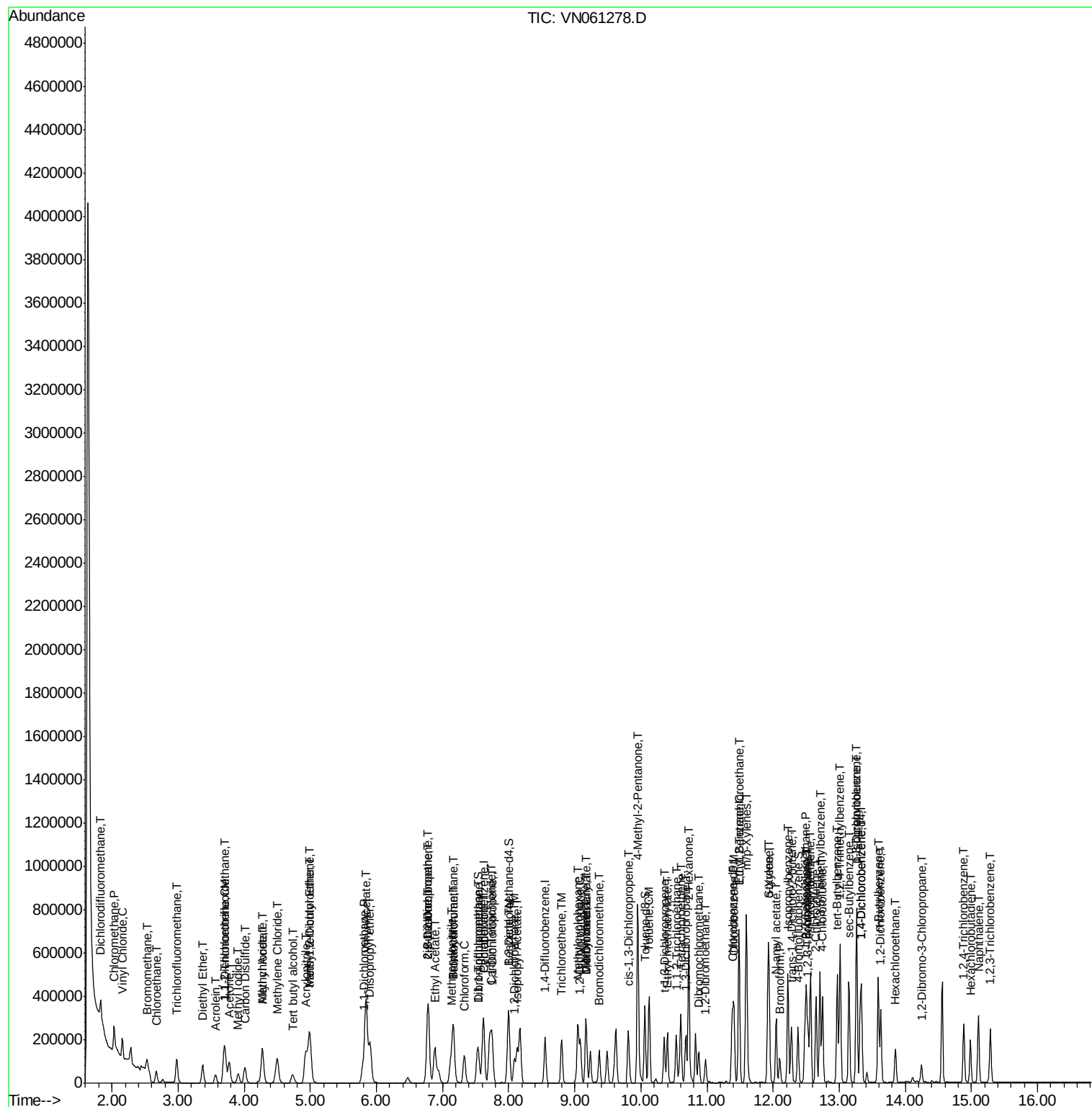
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.98	225	33950	54.180	ug/l	99
95) Naphthalene	15.11	128	248443	50.860	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	75359	50.888	ug/l	100

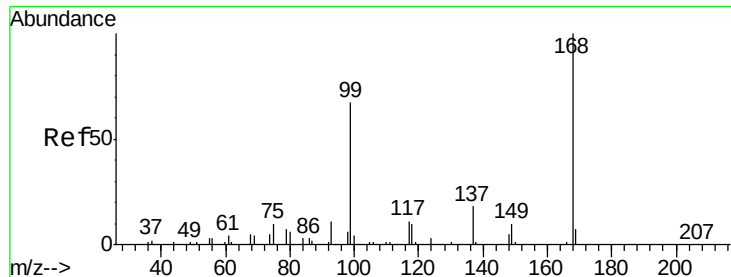
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

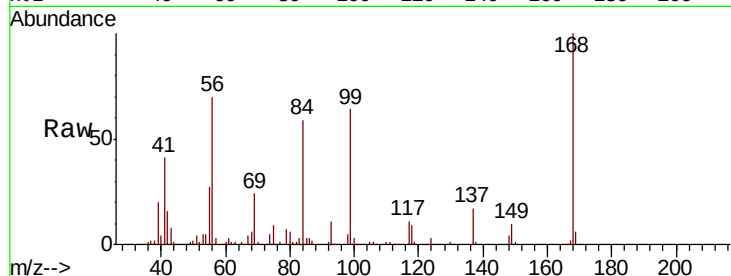
ClientSampled :

Tot Ion:168 Resp: 102950

Ion Ratio Lower Upper

168 100

99 64.4 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

40000

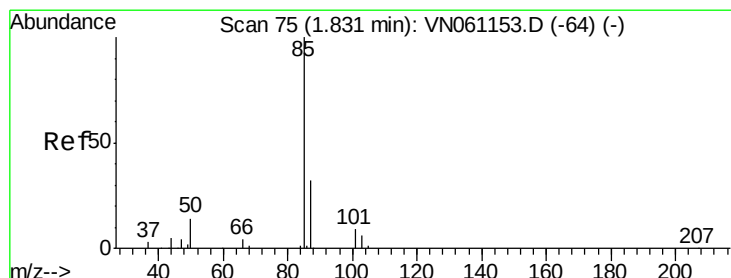
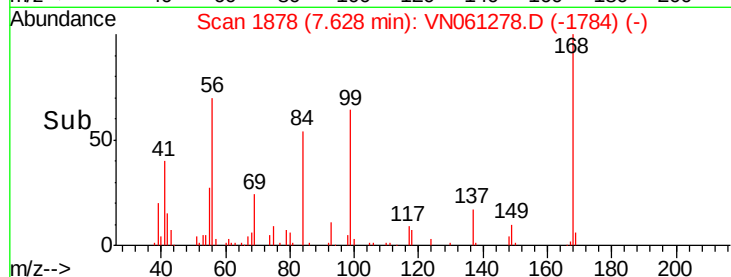
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 51.003 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061278.D

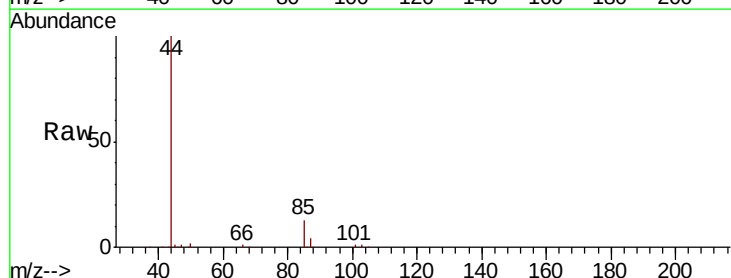
Acq: 4 May 2020 15:17

Tgt Ion: 85 Resp: 55680

Ion Ratio Lower Upper

85 100

87 31.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

40000

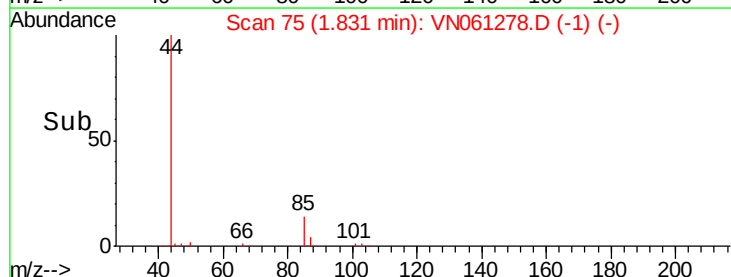
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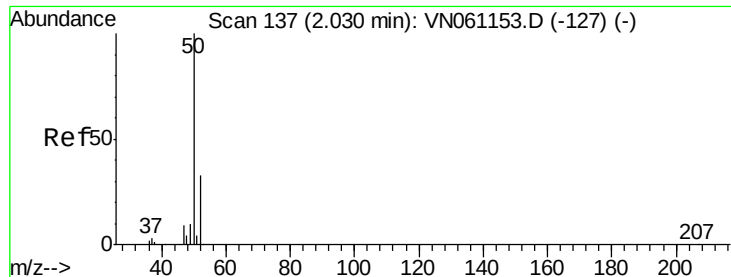
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 57.411 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

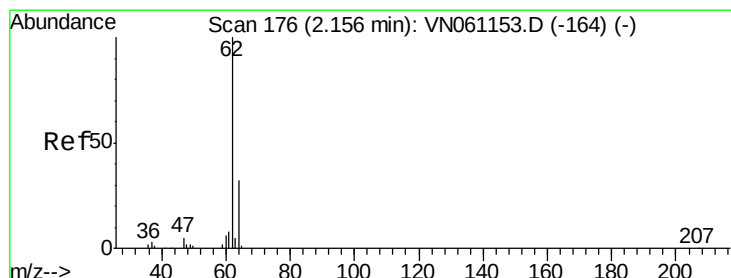
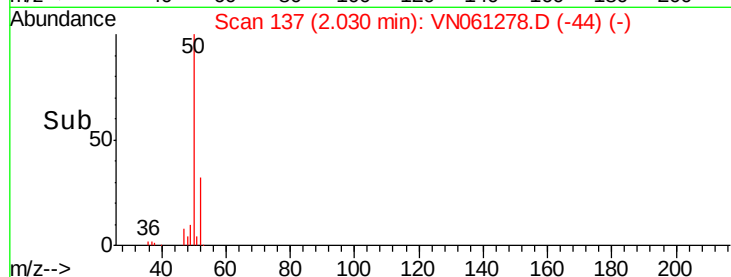
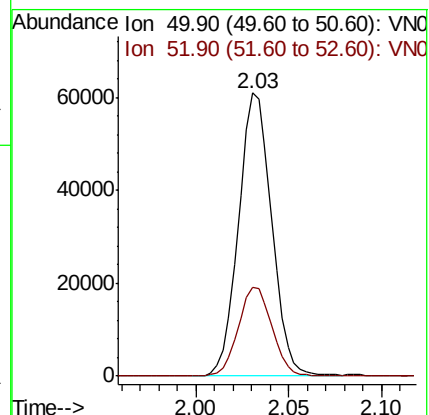
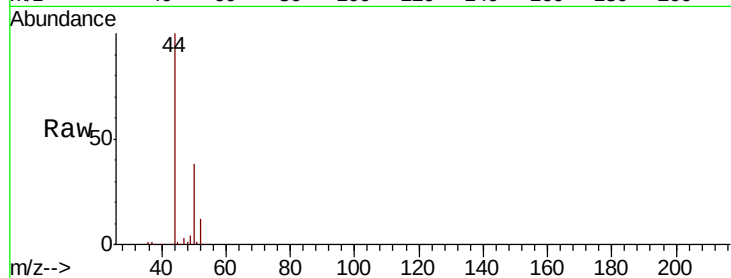
ClientSampled :

Tot Ion: 50 Resp: 75908

Ion Ratio Lower Upper

50 100

52 31.6 26.0 39.0



#4

Vinyl Chloride

Concen: 56.208 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061278.D

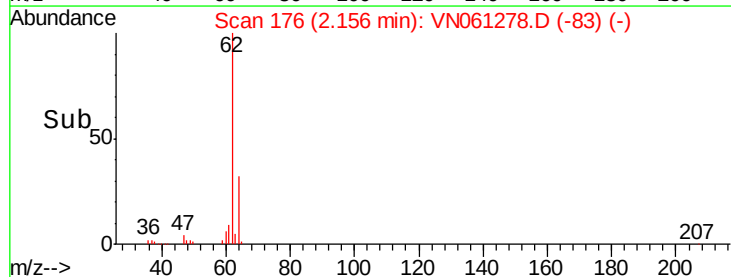
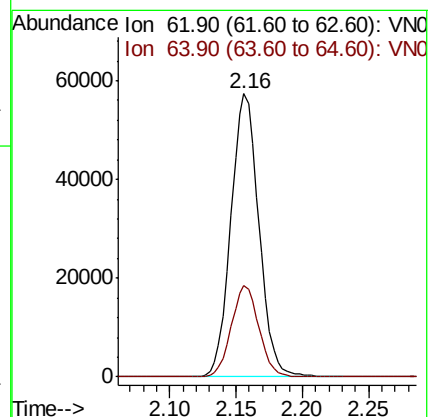
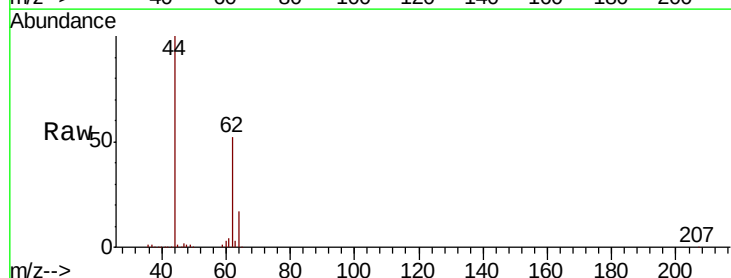
Acq: 4 May 2020 15:17

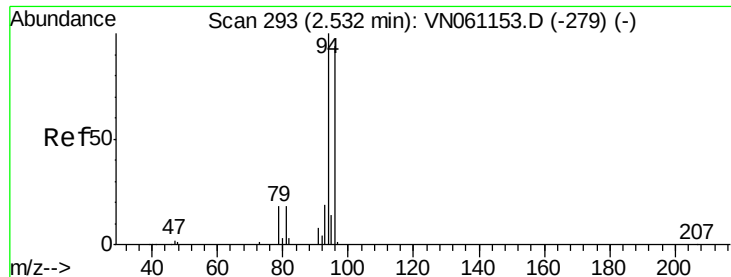
Tgt Ion: 62 Resp: 84411

Ion Ratio Lower Upper

62 100

64 32.1 25.2 37.8





#5

Bromomethane

Concen: 46.642 ug/l

RT: 2.53 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

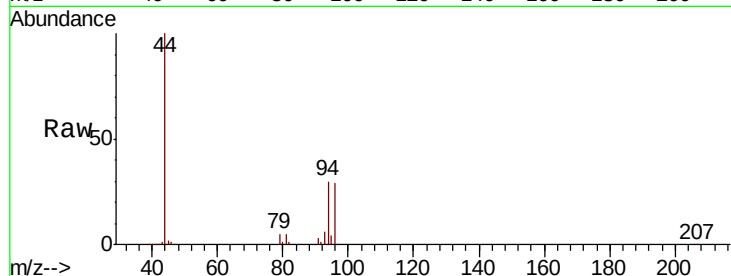
ClientSampleId :

Tot Ion: 94 Resp: 34624

Ion Ratio Lower Upper

94 100

96 93.2 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VN061153.D (-279) (-)

Ion 95.90 (95.60 to 96.60): VN061153.D (-279) (-)

2.53

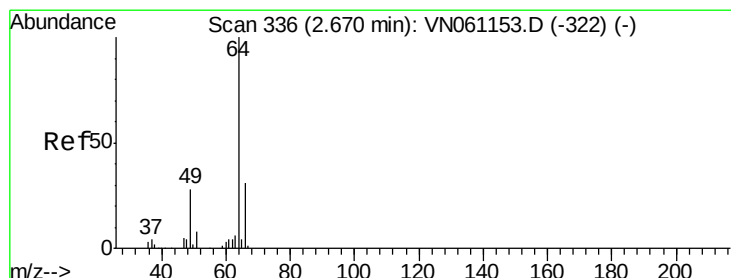
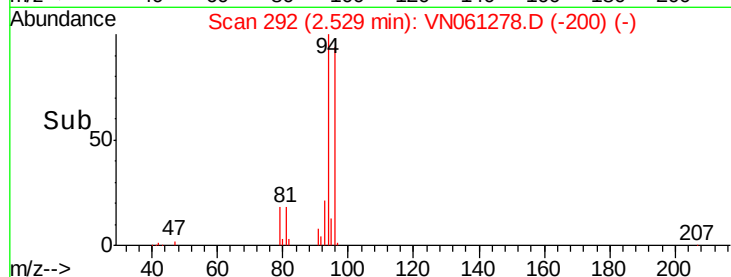
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 53.705 ug/l

RT: 2.67 min Scan# 335

Delta R.T. -0.00 min

Lab File: VN061278.D

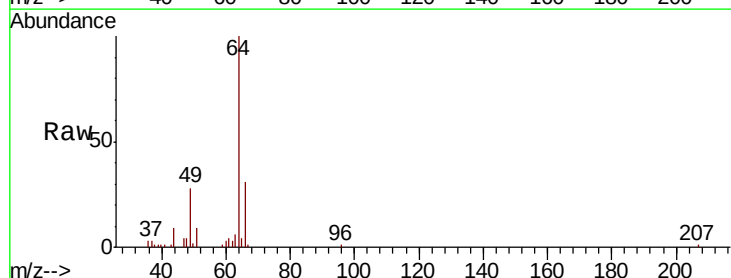
Acq: 4 May 2020 15:17

Tgt Ion: 64 Resp: 51120

Ion Ratio Lower Upper

64 100

66 30.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN061153.D (-322) (-)

Ion 65.90 (65.60 to 66.60): VN061153.D (-322) (-)

2.67

30000

25000

20000

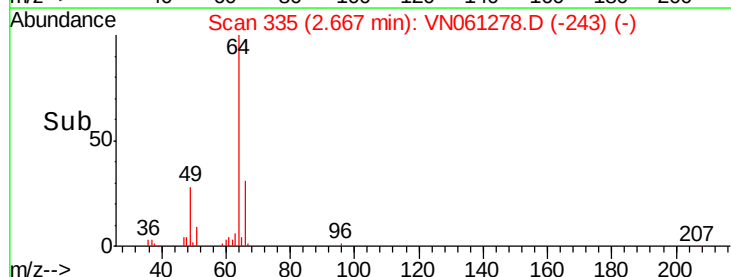
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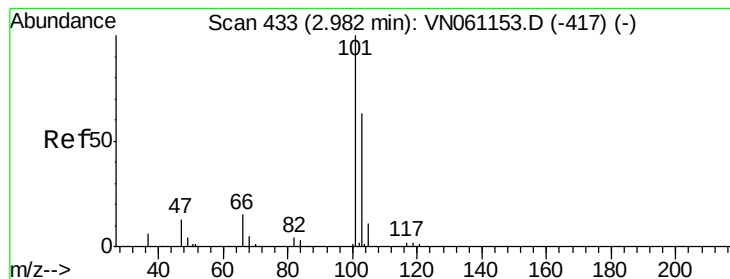
10000

5000

0

Time-->



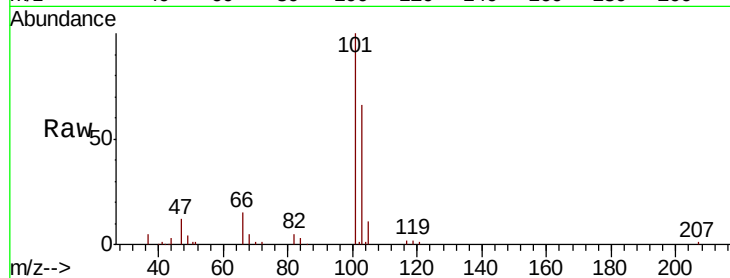


#7

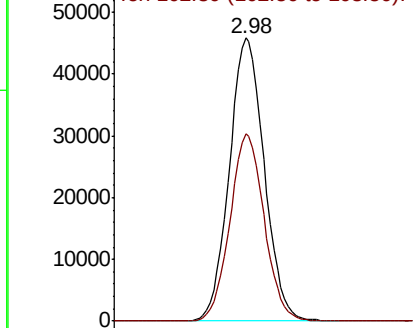
Trichlorofluoromethane
Concen: 59.275 ug/l
RT: 2.98 min Scan# 432
Delta R.T. -0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

Instrument :
MSVOA_N
ClientSampled :

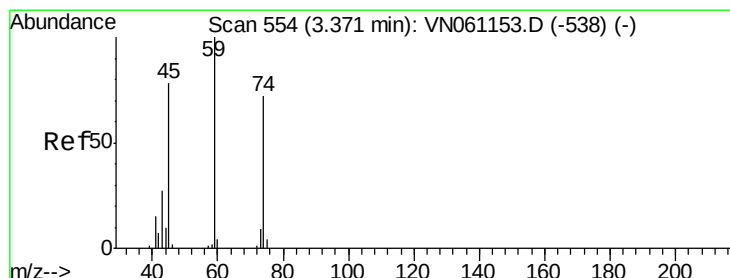
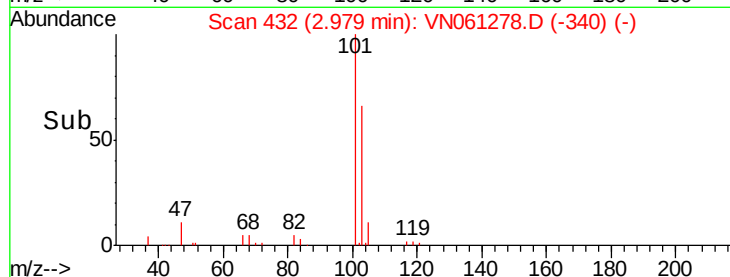
Tot Ion:101 Resp: 100430
Ion Ratio Lower Upper
101 100
103 66.1 50.6 76.0



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



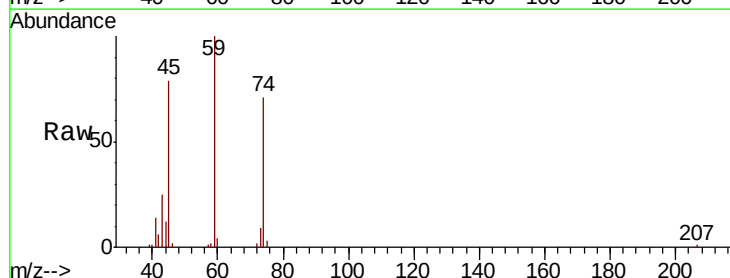
Time-->



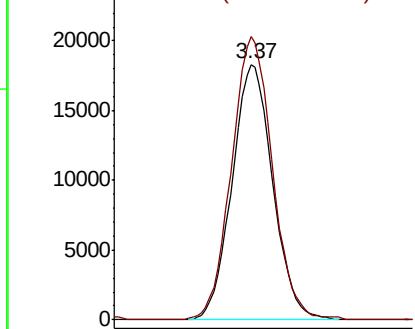
#8

Diethyl Ether
Concen: 56.755 ug/l
RT: 3.37 min Scan# 554
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

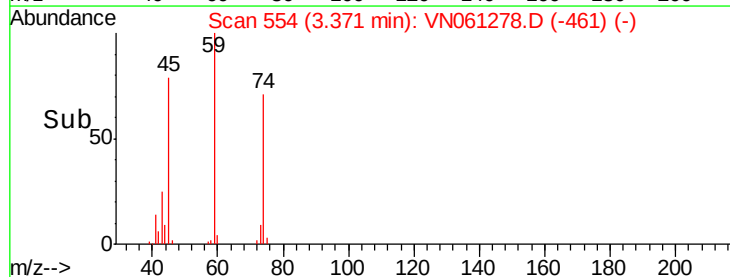
Tgt Ion: 74 Resp: 40109
Ion Ratio Lower Upper
74 100
45 111.8 53.3 160.0

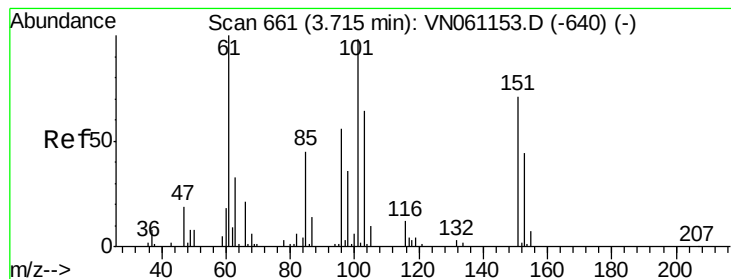


Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.558 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

ClientSampled :

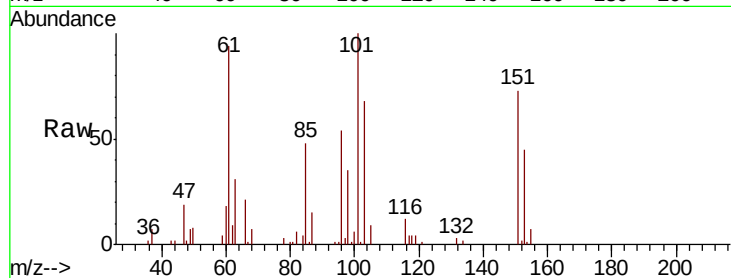
Tot Ion:101 Resp: 58460

Ion Ratio Lower Upper

101 100

85 46.8 37.2 55.8

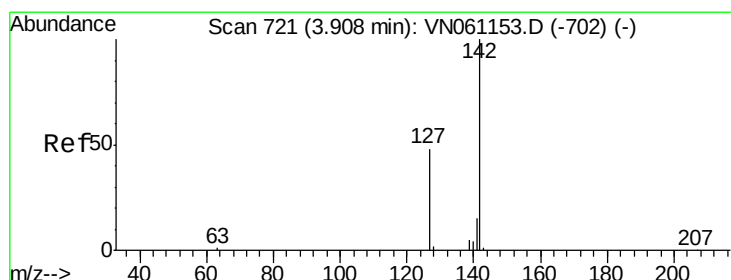
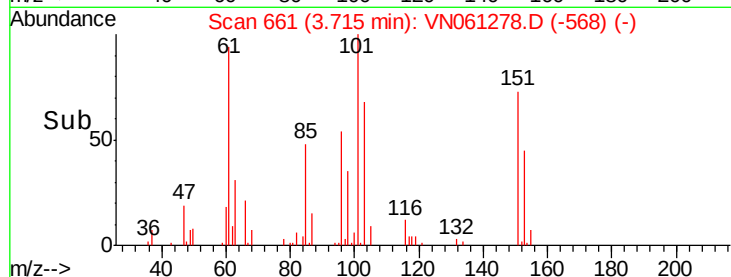
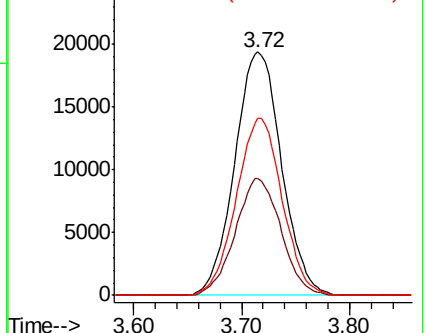
151 71.3 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.914 ug/l

RT: 3.91 min Scan# 721

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

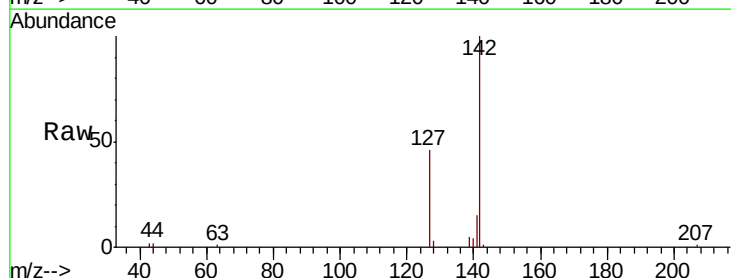
Tgt Ion:142 Resp: 63003

Ion Ratio Lower Upper

142 100

127 47.3 38.0 57.0

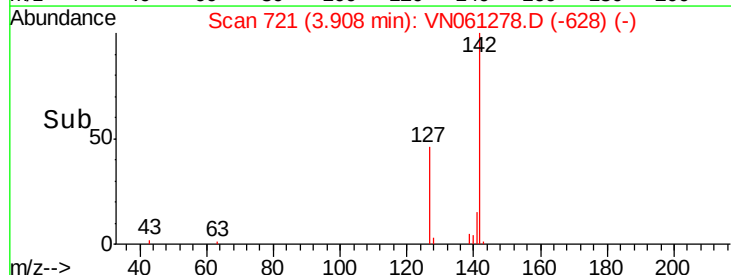
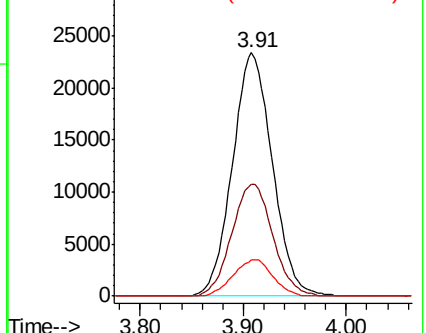
141 14.8 11.7 17.5

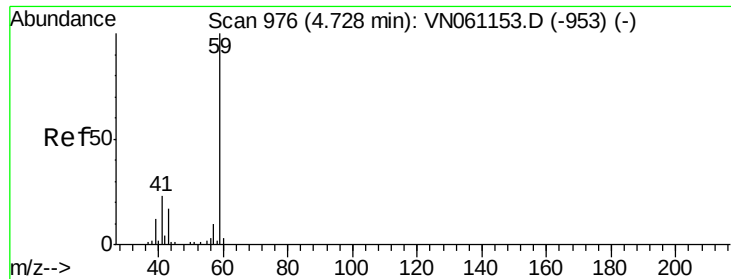


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



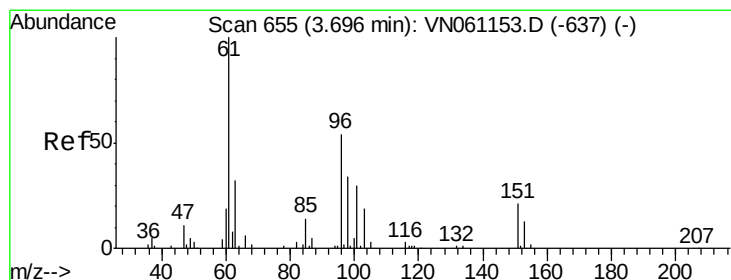
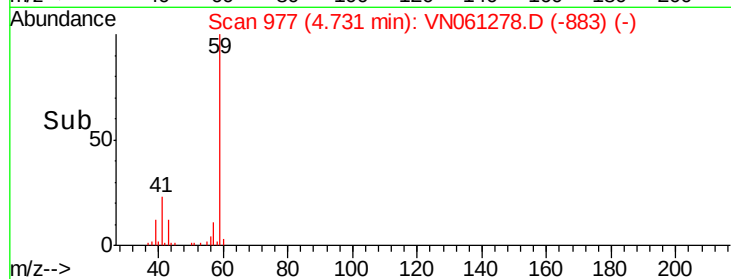
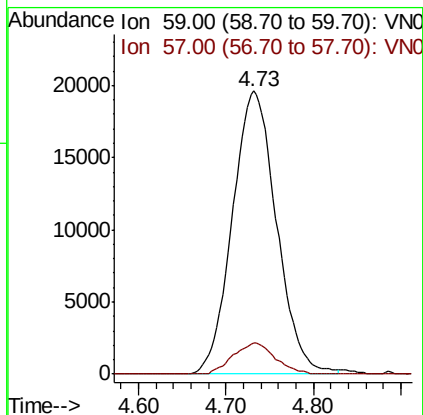
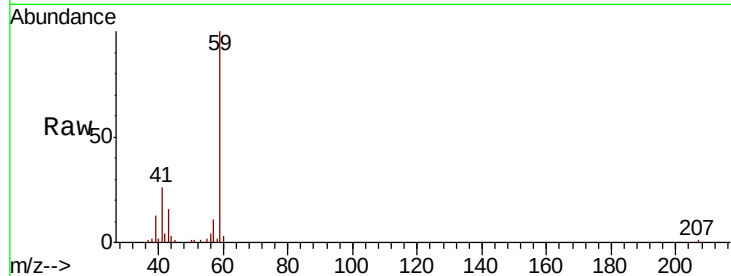


#11

Tert butyl alcohol
 Concen: 314.373 ug/l
 RT: 4.73 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VN061278.D
 Acq: 4 May 2020 15:17

Instrument :
 MSVOA_N
 ClientSampleId :

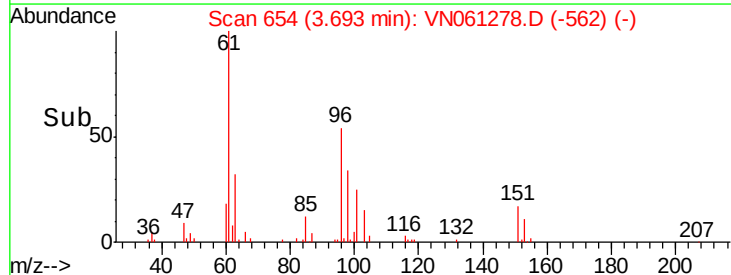
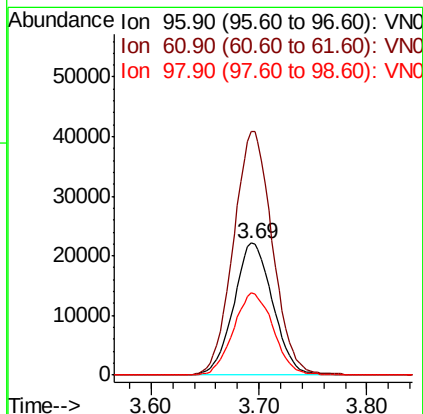
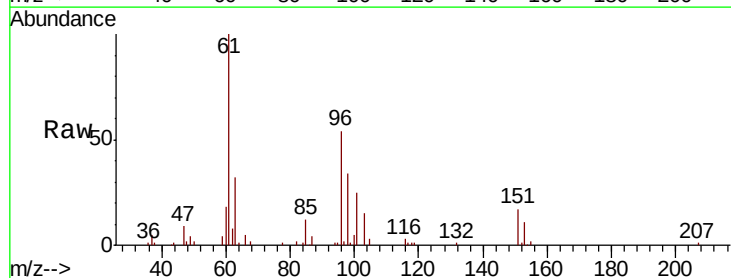
Tot Ion: 59 Resp: 68601
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.3 12.5

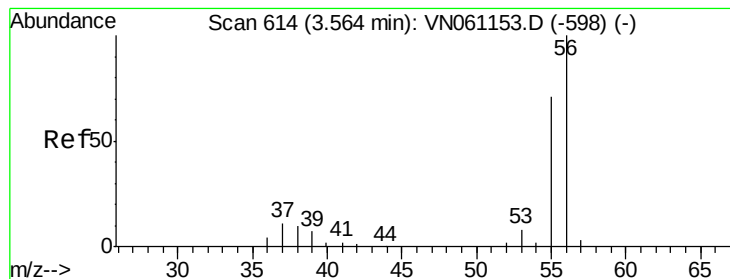


#12

1,1-Dichloroethene
 Concen: 51.401 ug/l
 RT: 3.69 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VN061278.D
 Acq: 4 May 2020 15:17

Tgt Ion: 96 Resp: 55832
 Ion Ratio Lower Upper
 96 100
 61 184.6 147.0 220.6
 98 62.2 49.8 74.6





#13

Acrolein

Concen: 285.643 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

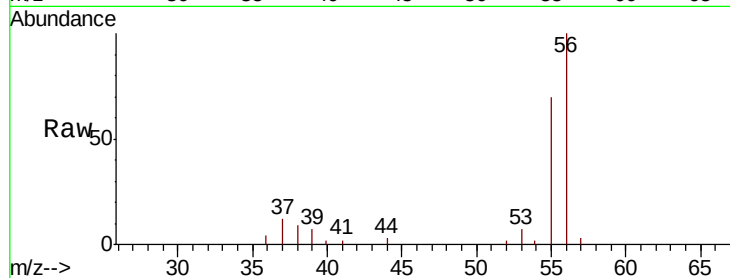
ClientSampleId :

Tot Ion: 56 Resp: 41538

Ion Ratio Lower Upper

56 100

55 72.0 58.5 87.7



Abundance Ion 56.00 (55.70 to 56.70): VN061153.D (-598) (-)

Ion 55.00 (54.70 to 55.70): VN061153.D (-598) (-)

3.56

15000

10000

5000

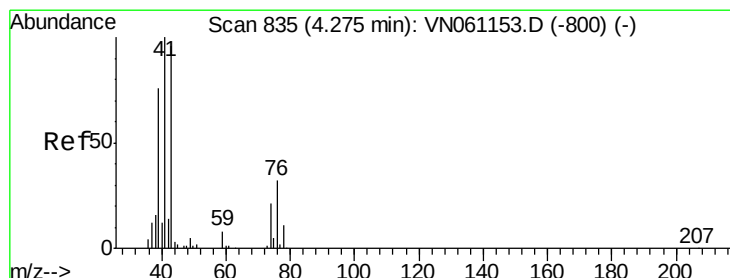
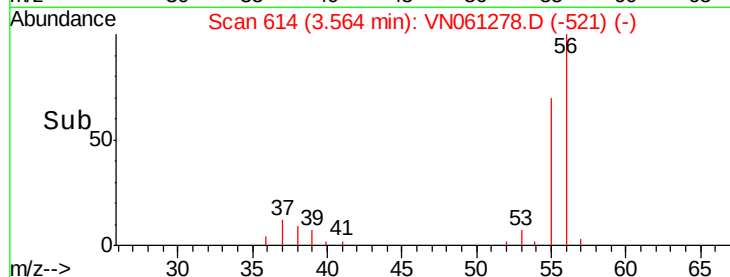
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 60.430 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

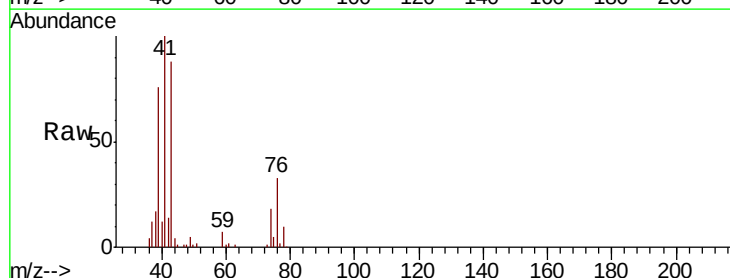
Tgt Ion: 41 Resp: 121707

Ion Ratio Lower Upper

41 100

39 69.6 57.1 85.7

76 29.6 24.3 36.5



Abundance Ion 41.00 (40.70 to 41.70): VN061153.D (-800) (-)

Ion 39.00 (38.70 to 39.70): VN061153.D (-800) (-)

Ion 75.90 (75.60 to 76.60): VN061153.D (-800) (-)

4.27

50000

40000

30000

20000

10000

0

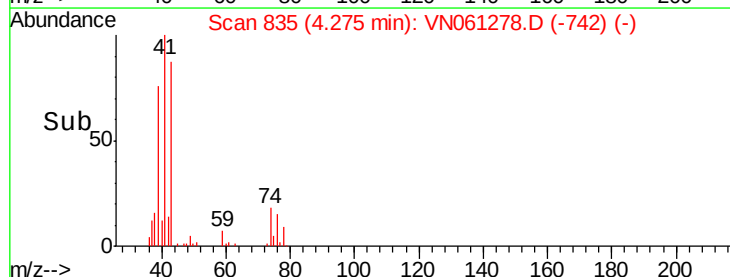
Time-->

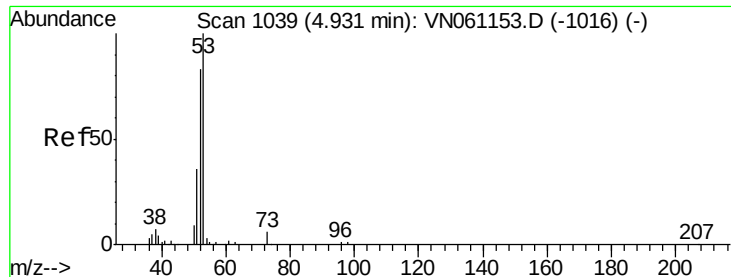
4.10

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 282.510 ug/l

RT: 4.93 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :
MSVOA_N
ClientSampleId :

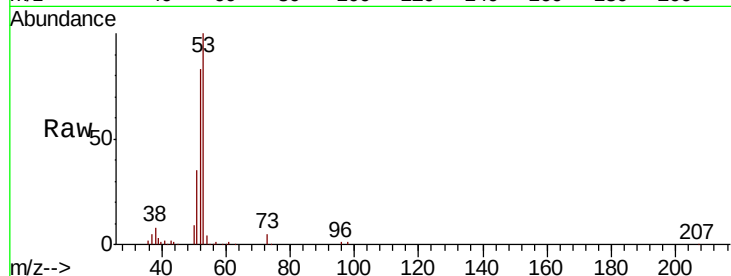
Tot Ion: 53 Resp: 189243

Ion Ratio Lower Upper

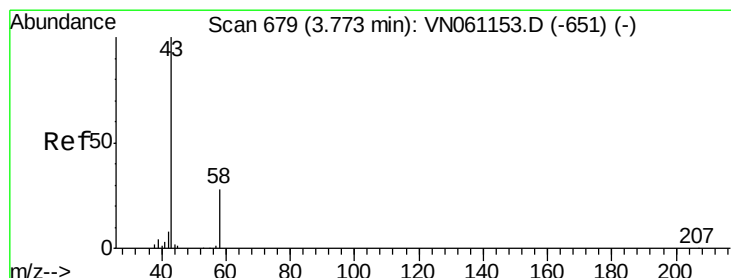
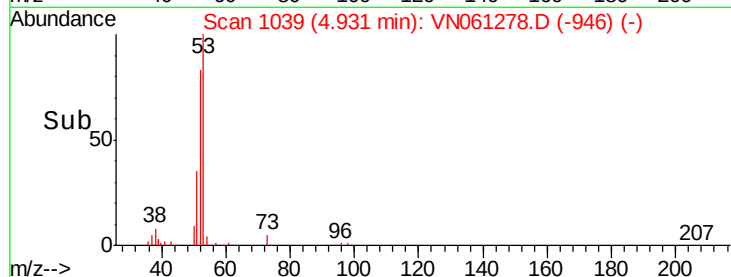
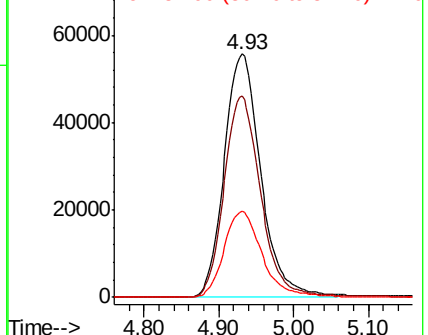
53 100

52 83.0 65.4 98.0

51 36.9 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 264.722 ug/l

RT: 3.77 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN061278.D

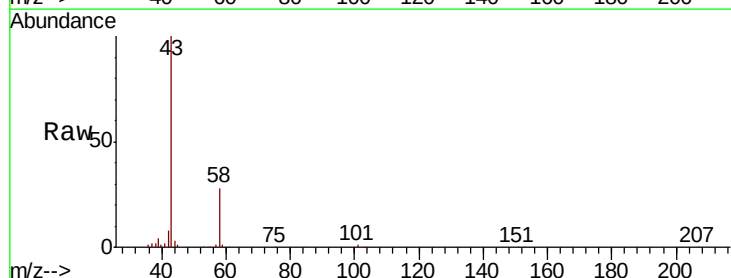
Acq: 4 May 2020 15:17

Tgt Ion: 43 Resp: 166572

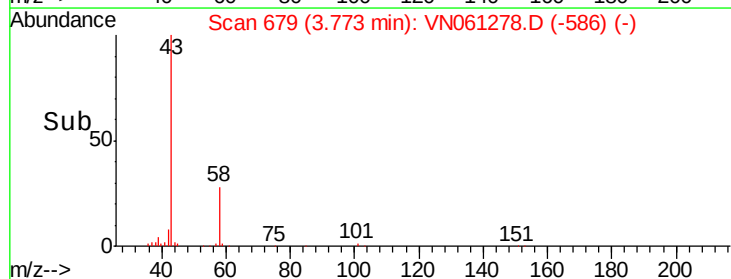
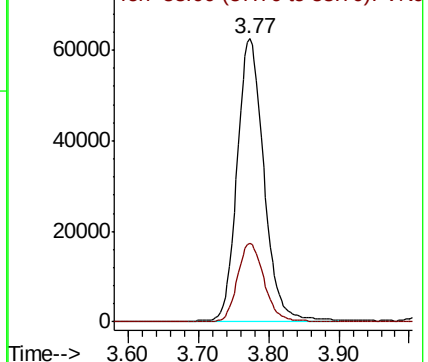
Ion Ratio Lower Upper

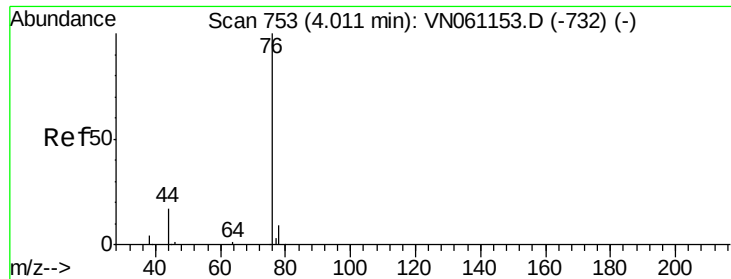
43 100

58 27.7 22.2 33.2



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

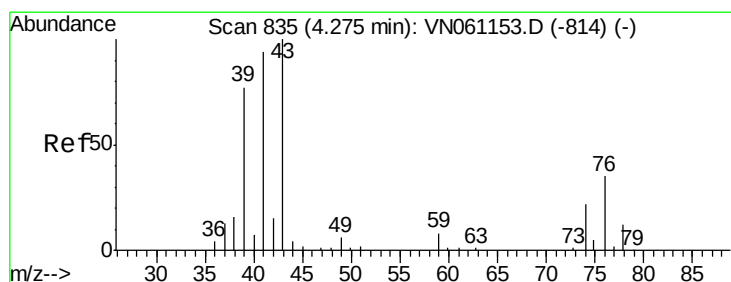
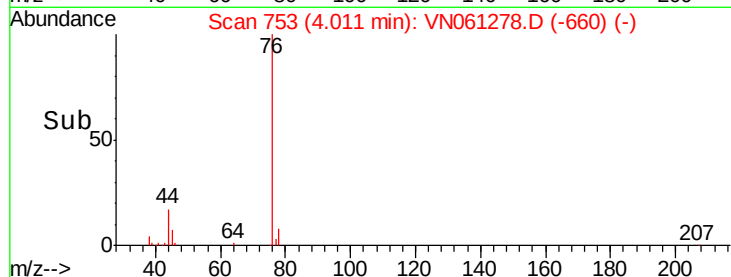
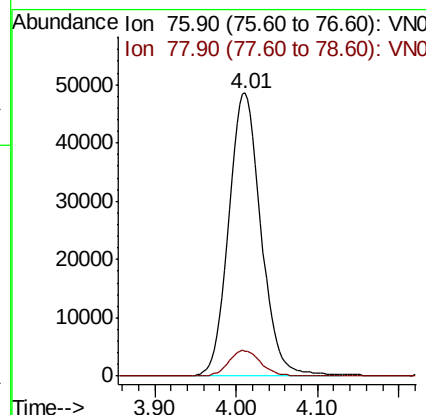
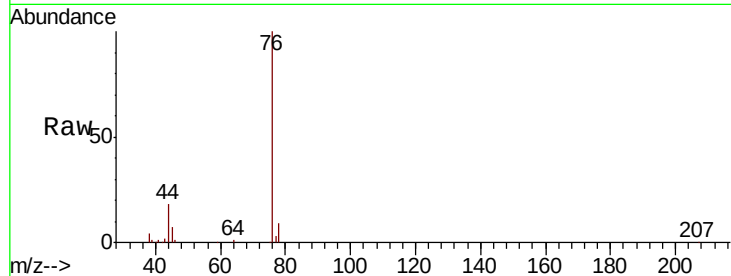




#17
Carbon Disulfide
Concen: 45.006 ug/l
RT: 4.01 min Scan# 753
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

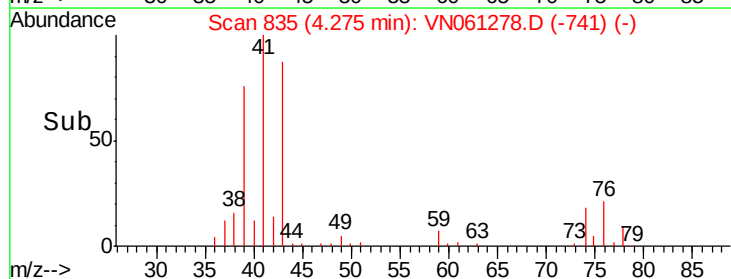
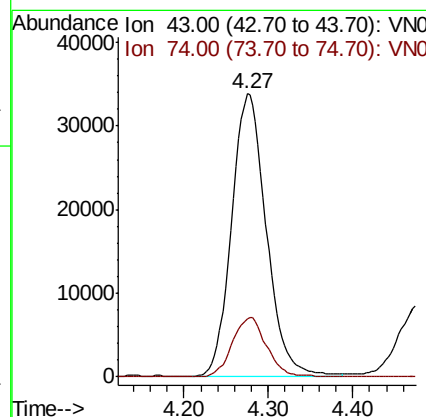
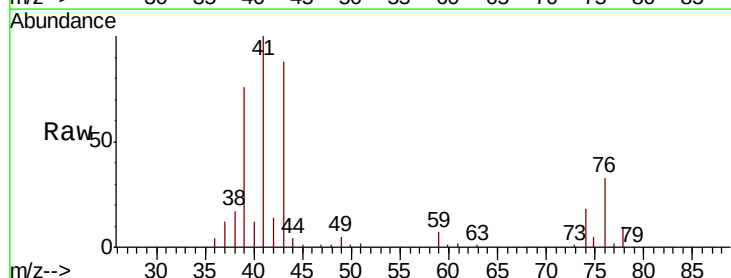
Instrument :
MSVOA_N
ClientSampled :

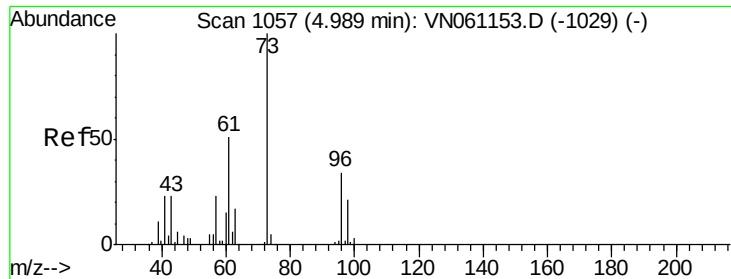
Tot Ion: 76 Resp: 135041
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 47.392 ug/l
RT: 4.27 min Scan# 835
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

Tgt Ion: 43 Resp: 97378
Ion Ratio Lower Upper
43 100
74 20.6 17.0 25.4

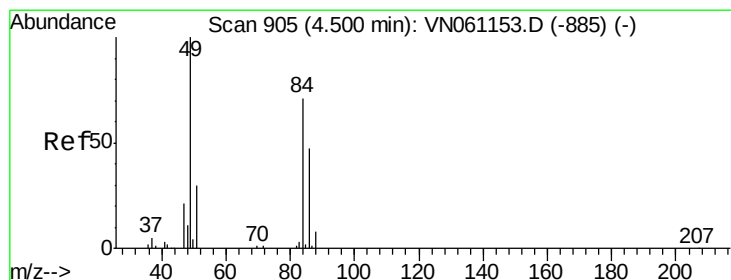
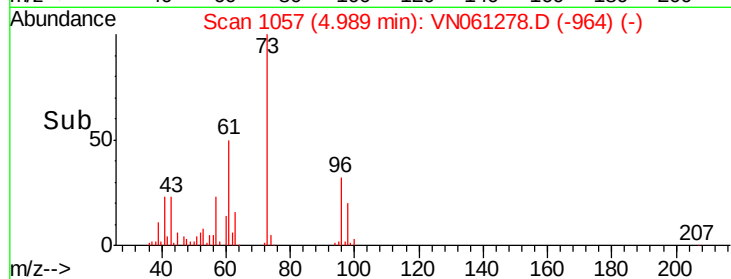
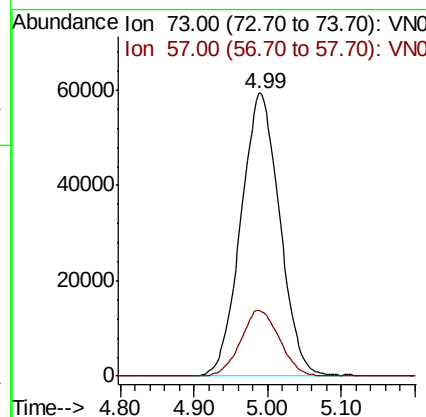
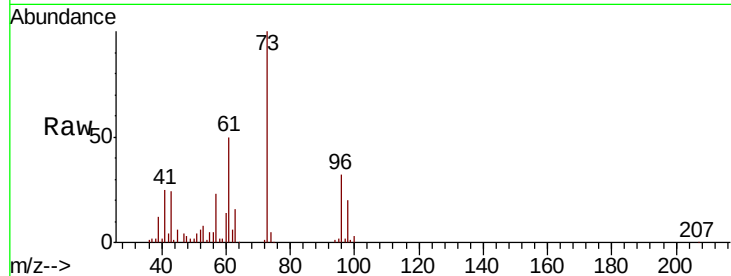




#19
Methyl tert-butyl Ether
Concen: 52.419 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

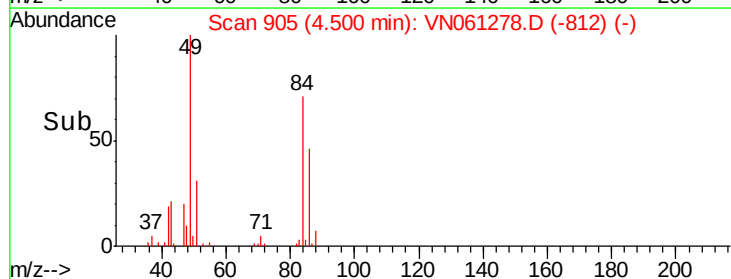
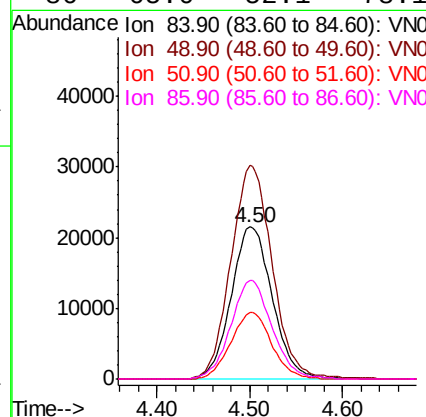
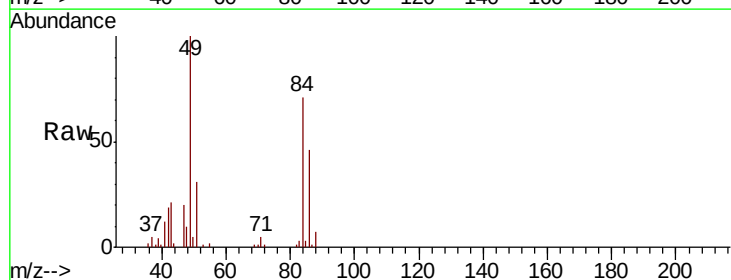
Instrument :
MSVOA_N
ClientSampled :

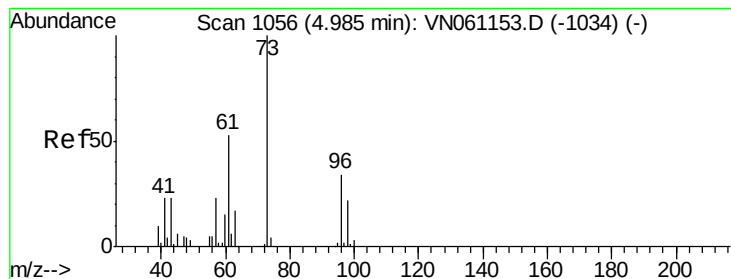
Tot Ion: 73 Resp: 217565
Ion Ratio Lower Upper
73 100
57 23.4 18.3 27.5



#20
Methylene Chloride
Concen: 52.133 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

Tgt Ion: 84 Resp: 66220
Ion Ratio Lower Upper
84 100
49 139.4 112.0 168.0
51 43.3 33.6 50.4
86 65.0 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 52.388 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

ClientSampled :

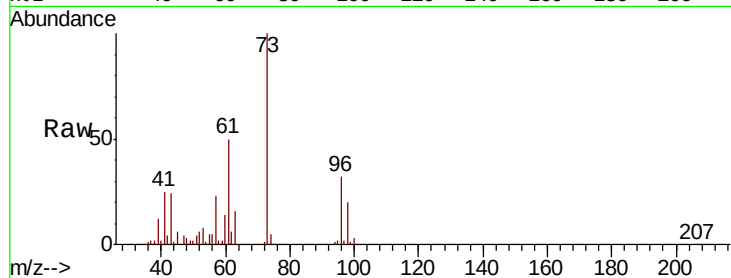
Tot Ion: 96 Resp: 61963

Ion Ratio Lower Upper

96 100

61 154.9 123.0 184.4

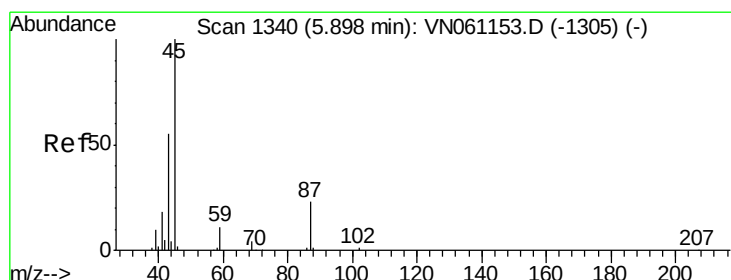
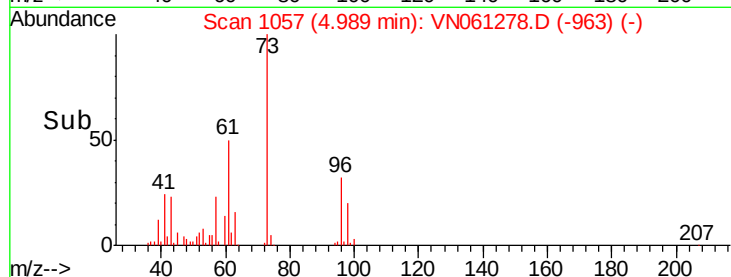
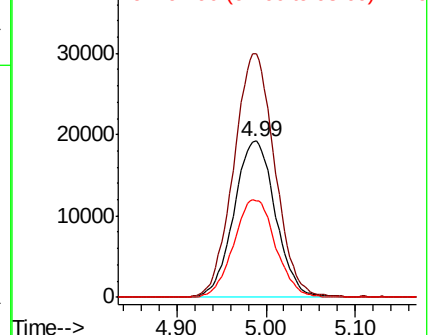
98 62.0 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VN061153.D (-1034) (-)

Ion 60.90 (60.60 to 61.60): VN061153.D (-1034) (-)

Ion 97.90 (97.60 to 98.60): VN061153.D (-1034) (-)



#22

Diisopropyl ether

Concen: 54.744 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Tgt Ion: 45 Resp: 255674

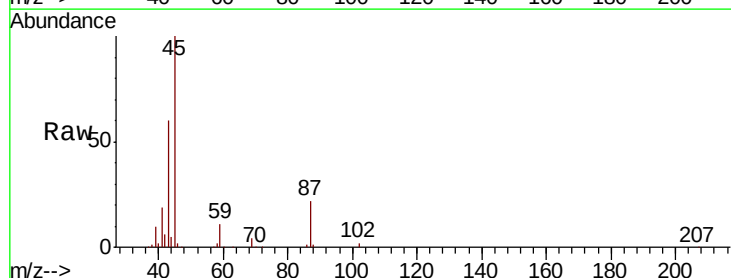
Ion Ratio Lower Upper

45 100

43 59.4 47.9 71.9

87 22.3 19.2 28.8

59 11.3 9.0 13.4

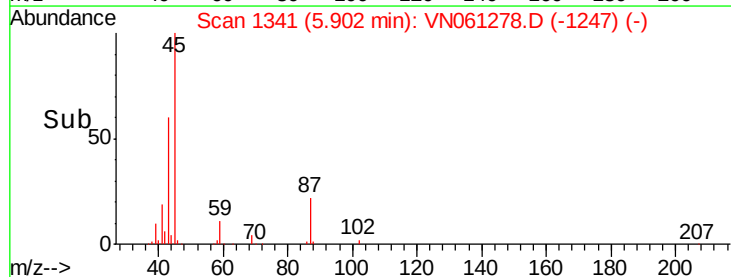
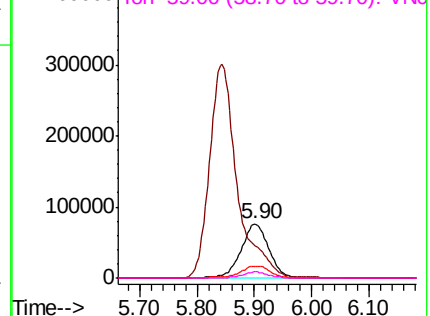


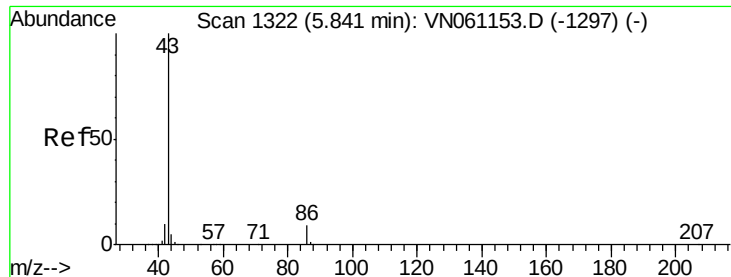
Abundance Ion 45.00 (44.70 to 45.70): VN061153.D (-1305) (-)

Ion 43.00 (42.70 to 43.70): VN061153.D (-1305) (-)

Ion 87.00 (86.70 to 87.70): VN061153.D (-1305) (-)

Ion 59.00 (58.70 to 59.70): VN061153.D (-1305) (-)





#23

Vinyl Acetate

Concen: 270.880 ug/l

RT: 5.84 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

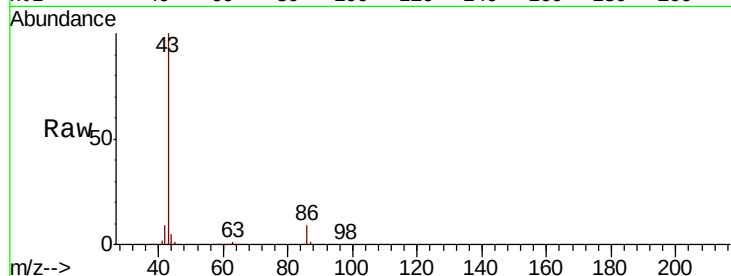
ClientSampleId :

Tot Ion: 43 Resp: 1018637

Ion Ratio Lower Upper

43 100

86 8.7 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN061278.D (-1229) (-)

Ion 86.00 (85.70 to 86.70): VN061278.D (-1229) (-)

5.84

300000

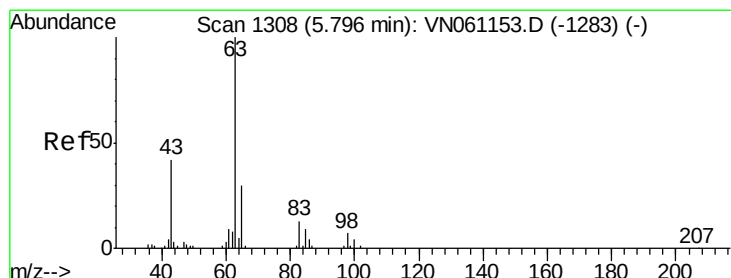
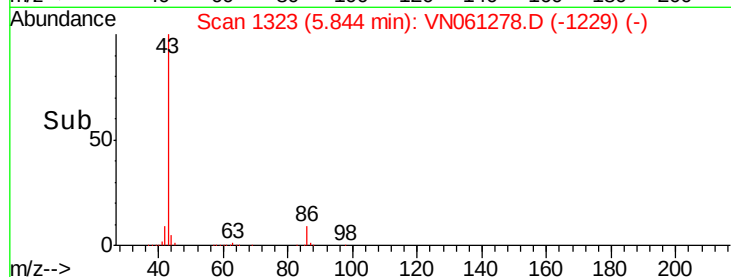
200000

100000

0

5.80 6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 52.724 ug/l

RT: 5.80 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

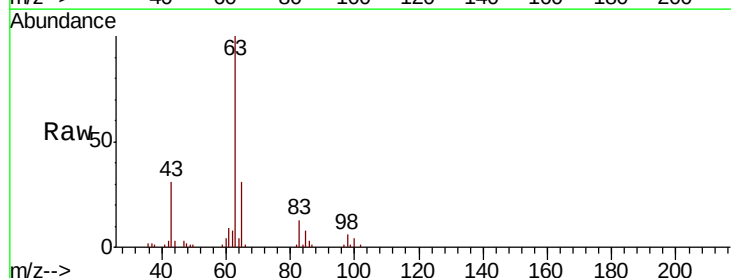
Tgt Ion: 63 Resp: 128655

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 4.2 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN061278.D (-1215) (-)

Ion 97.90 (97.60 to 98.60): VN061278.D (-1215) (-)

Ion 99.90 (99.60 to 100.60): VN061278.D (-1215) (-)

5.80

50000

40000

30000

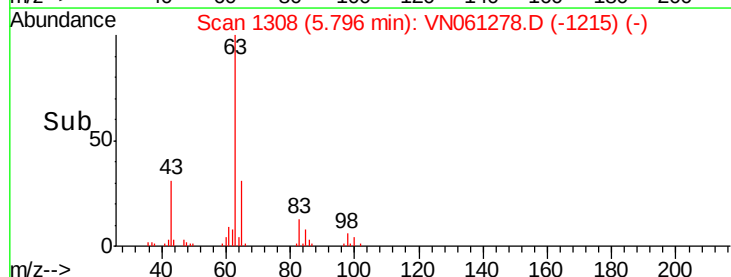
20000

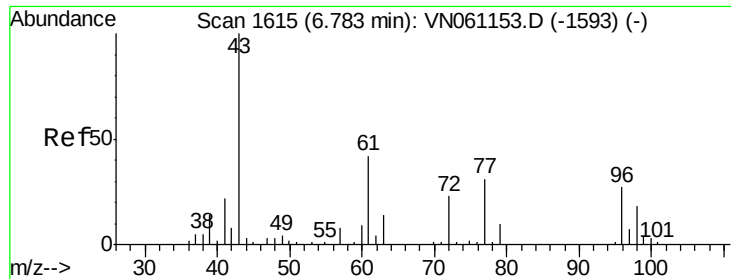
10000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 277.749 ug/l

RT: 6.79 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

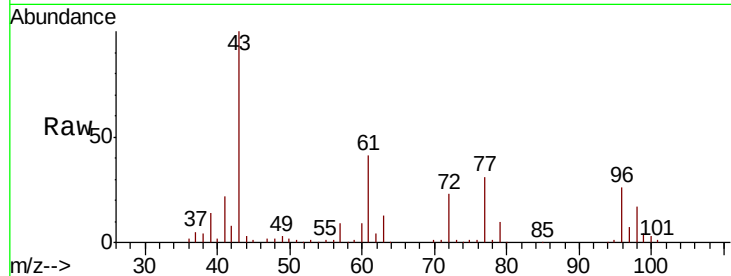
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 267729

Ion Ratio Lower Upper

43 100

72 23.2 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.79

100000

80000

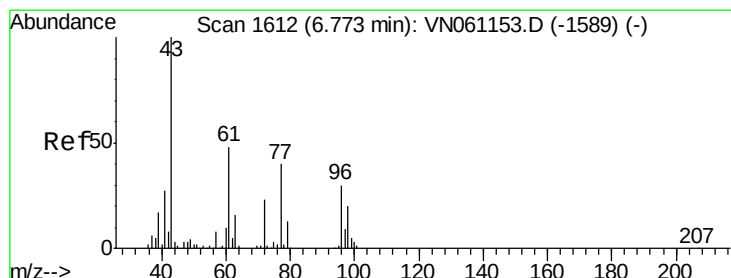
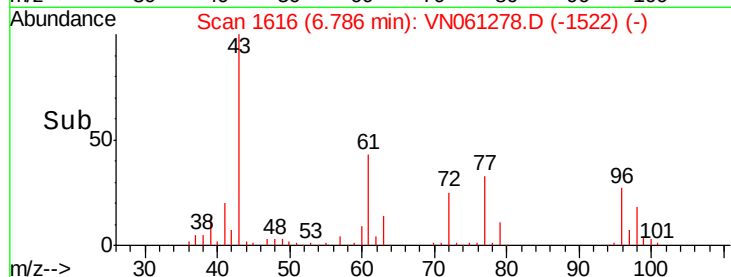
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 52.302 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061278.D

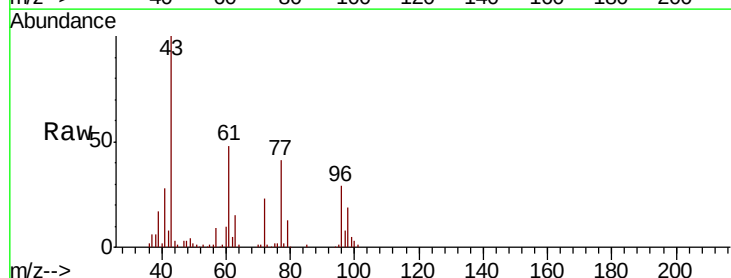
Acq: 4 May 2020 15:17

Tgt Ion: 77 Resp: 107498

Ion Ratio Lower Upper

77 100

97 21.2 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.78

40000

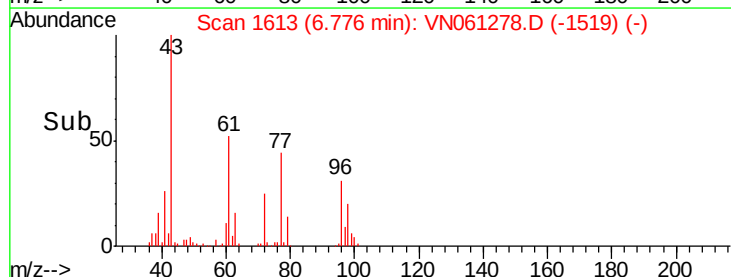
30000

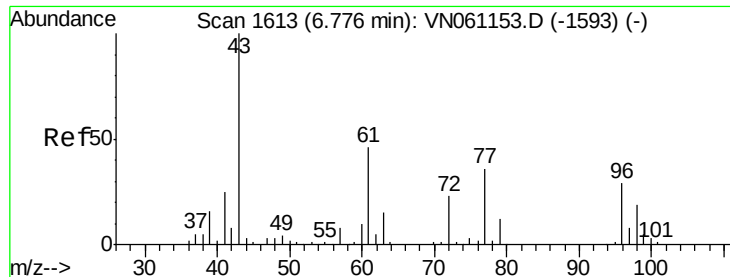
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 52.177 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

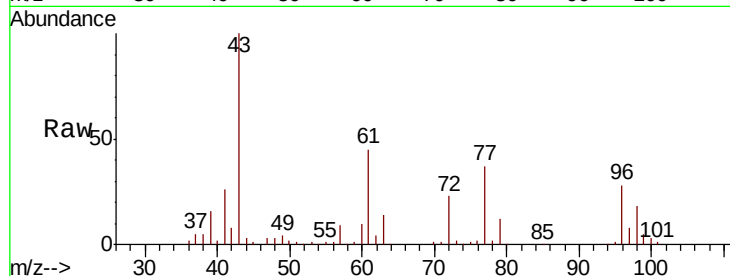
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 96 Resp: 72422

Ion	Ratio	Lower	Upper
96	100		
61	165.2	0.0	322.0
98	64.9	0.0	129.6

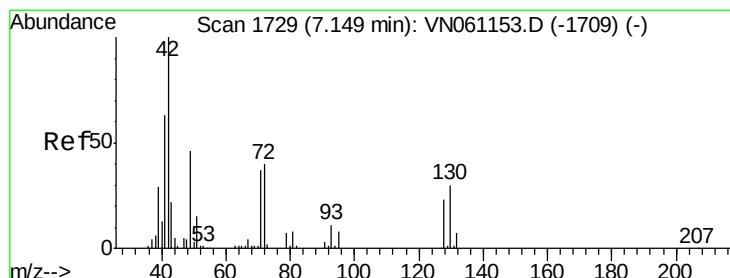
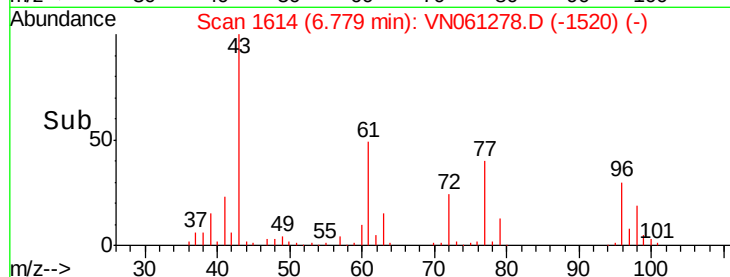
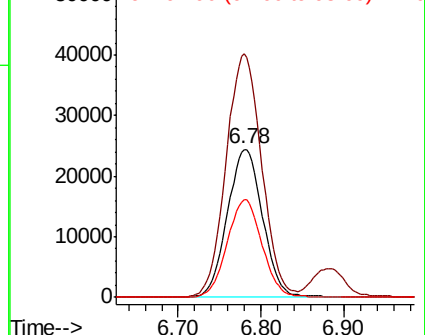


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 52.458 ug/l

RT: 7.15 min Scan# 1730

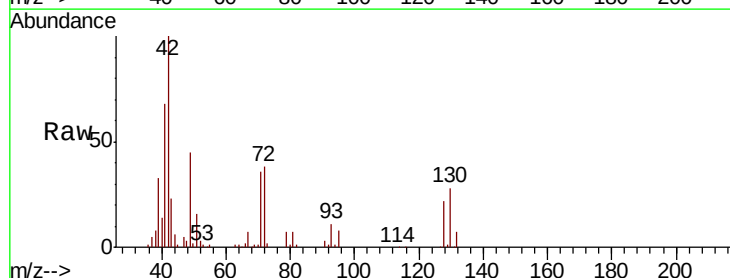
Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Tgt Ion: 49 Resp: 60672

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	60.8	51.4	77.2

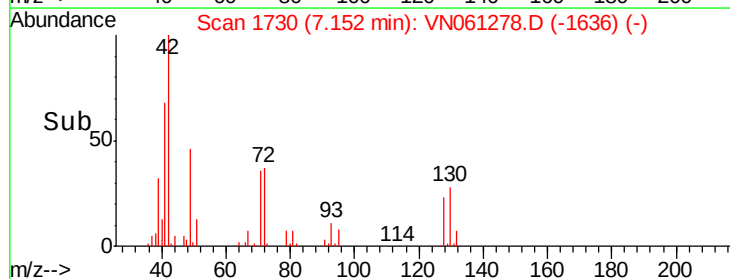
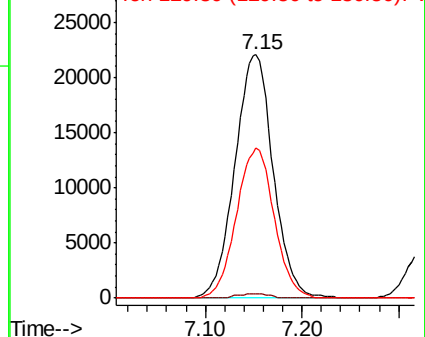


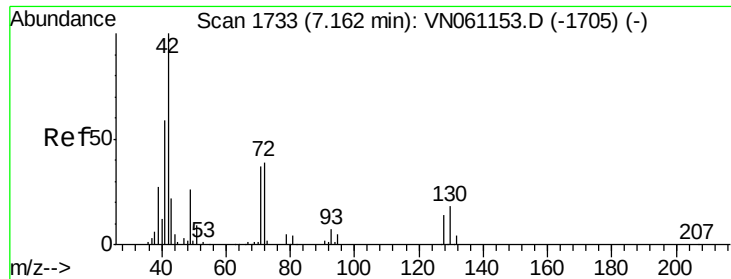
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

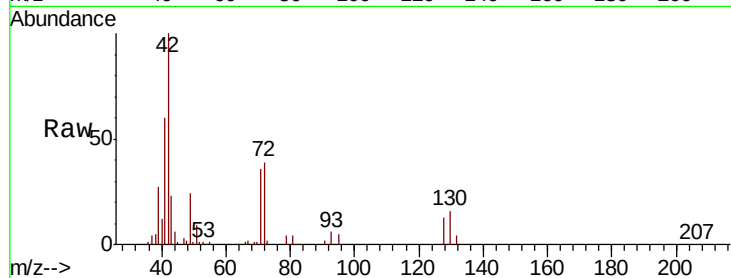




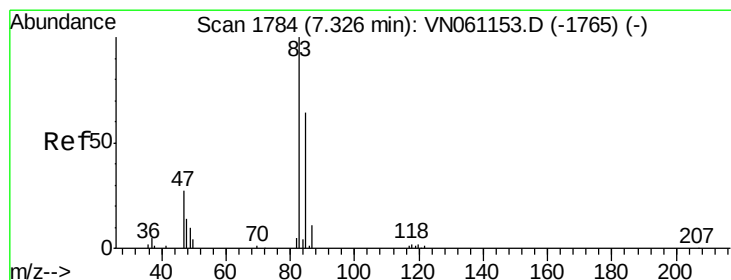
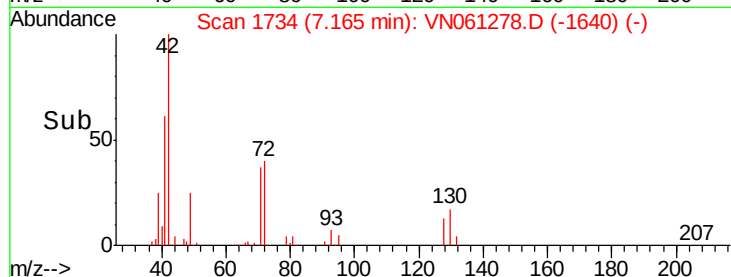
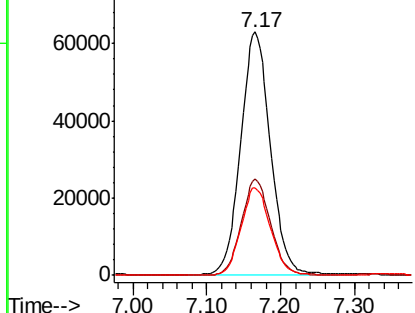
#29
Tetrahydrofuran
Concen: 274.313 ug/l
RT: 7.17 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 178117
Ion Ratio Lower Upper
42 100
72 38.4 31.4 47.0
71 35.6 29.5 44.3

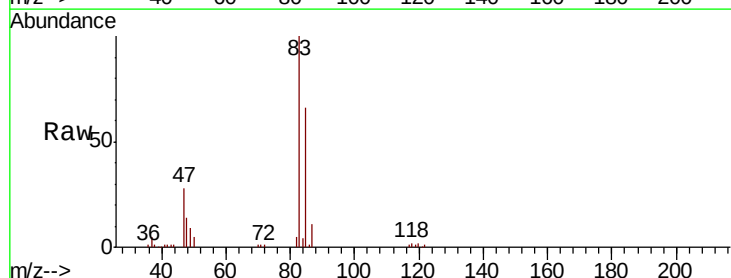


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

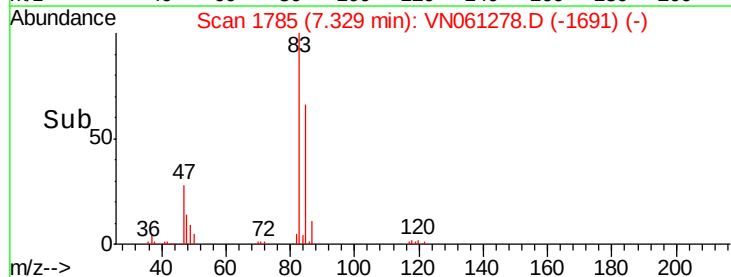
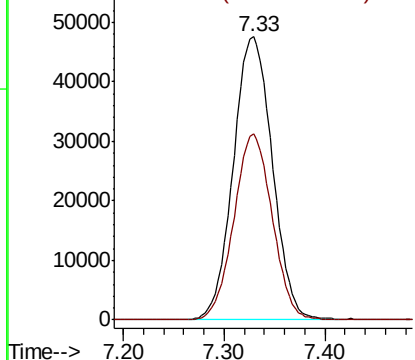


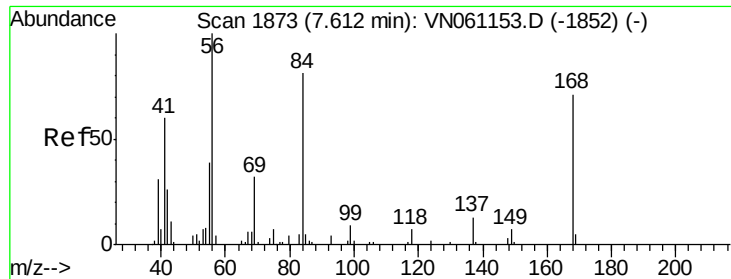
#30
Chloroform
Concen: 51.777 ug/l
RT: 7.33 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

Tgt Ion: 83 Resp: 128036
Ion Ratio Lower Upper
83 100
85 65.8 51.1 76.7



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

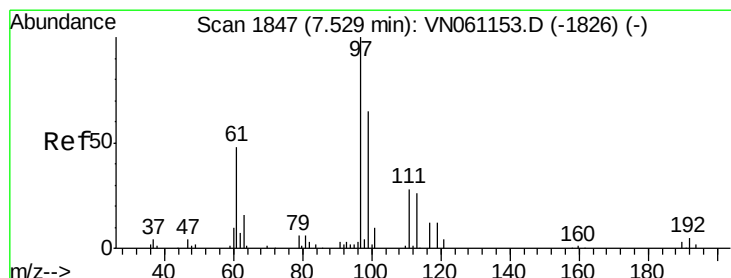
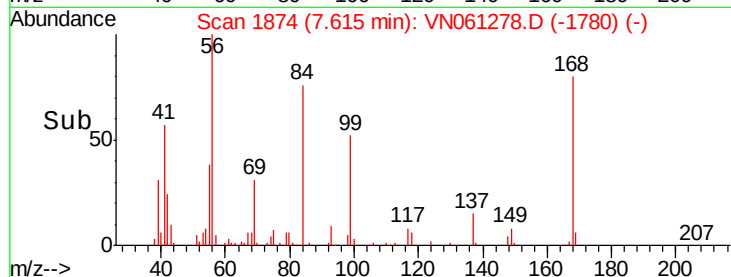
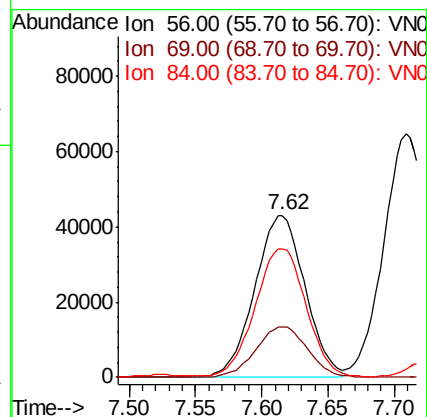
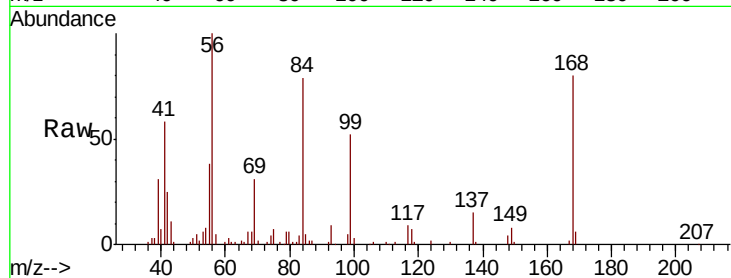




#31
Cyclohexane
Concen: 48.063 ug/l
RT: 7.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

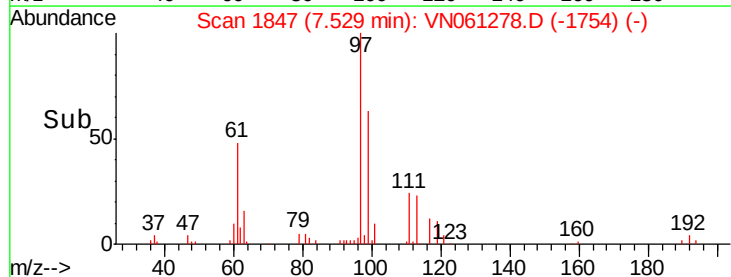
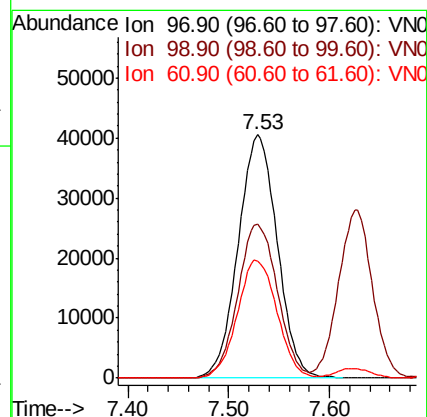
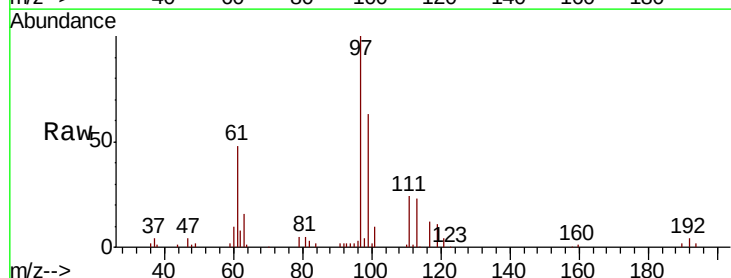
Instrument :
MSVOA_N
ClientSampled :

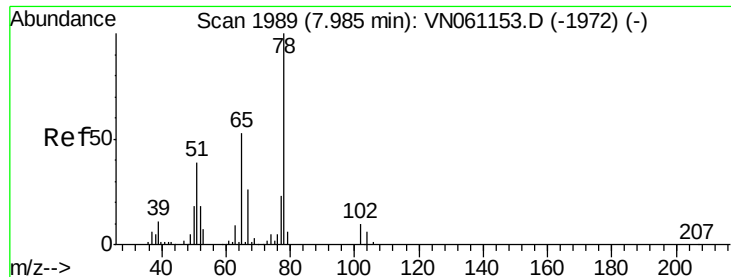
Tot Ion: 56 Resp: 113899
Ion Ratio Lower Upper
56 100
69 31.5 25.7 38.5
84 78.1 64.6 97.0



#32
1,1,1-Trichloroethane
Concen: 50.623 ug/l
RT: 7.53 min Scan# 1847
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

Tgt Ion: 97 Resp: 109008
Ion Ratio Lower Upper
97 100
99 64.4 51.3 76.9
61 49.4 38.6 57.8

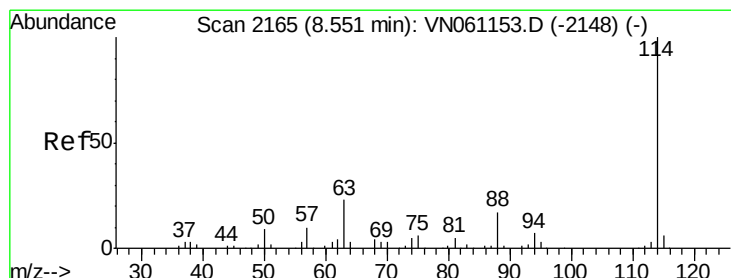
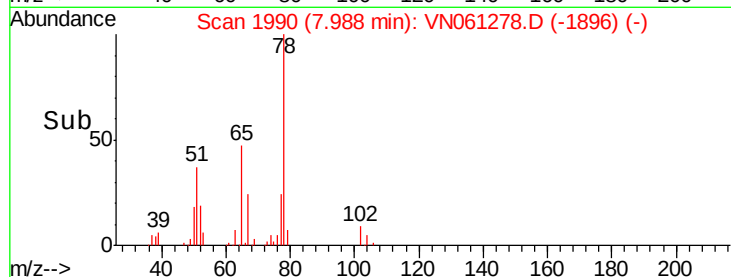
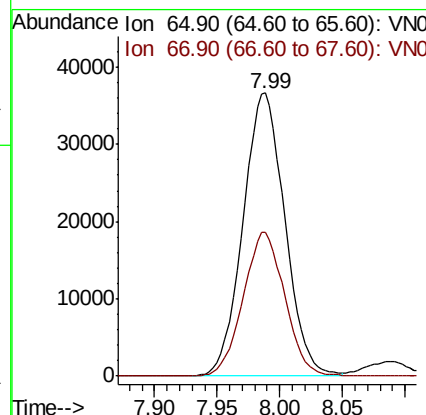
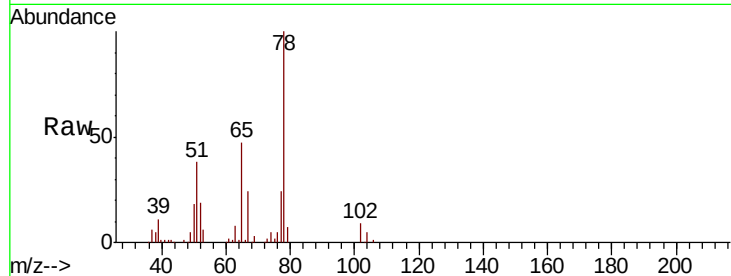




#33
 1,2-Dichloroethane-d4
 Concen: 52.326 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061278.D
 Acq: 4 May 2020 15:17

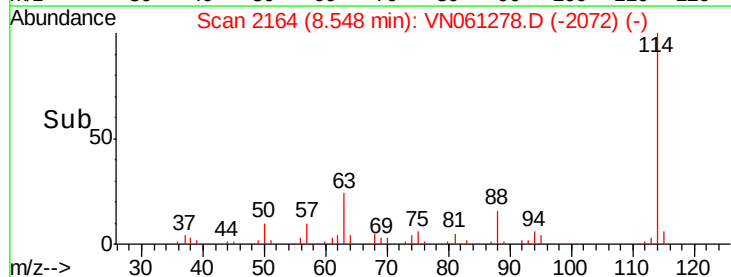
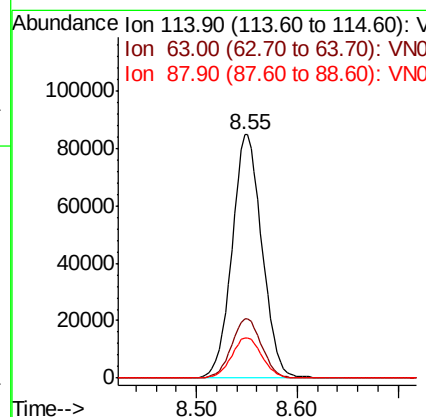
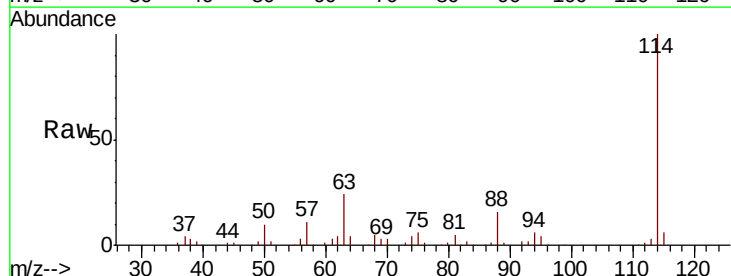
Instrument :
 MSVOA_N
 ClientSampled :

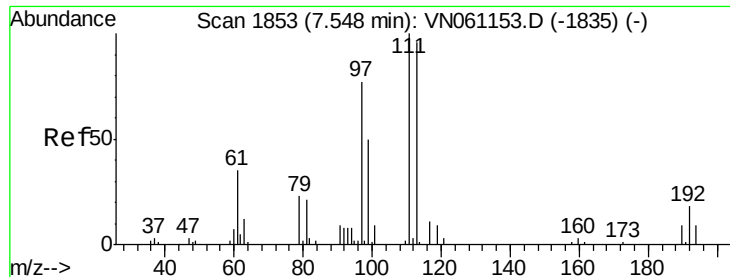
Tot Ion: 65 Resp: 85239
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061278.D
 Acq: 4 May 2020 15:17

Tgt Ion: 114 Resp: 175417
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 46.6
 88 16.5 0.0 33.4

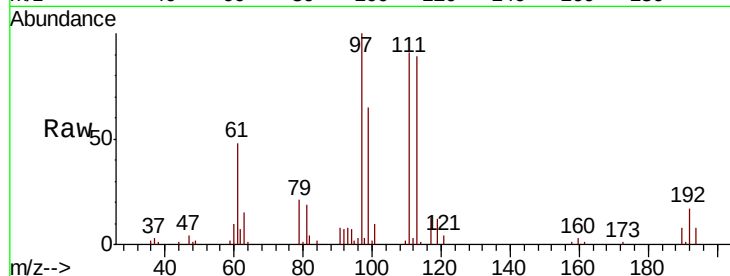




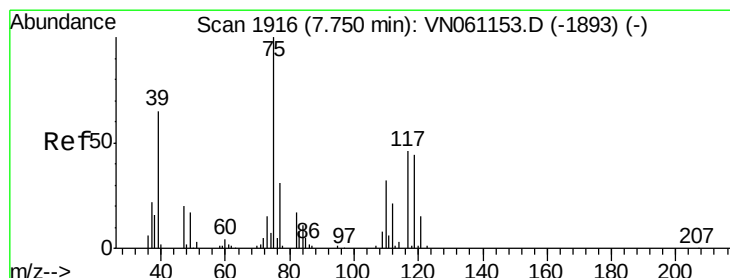
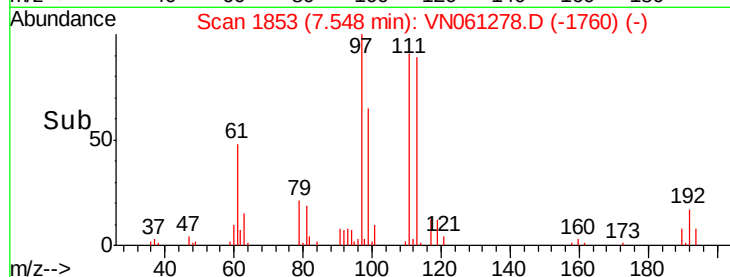
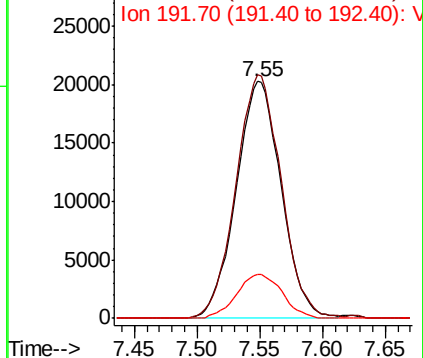
#35
 Dibromofluoromethane
 Concen: 48.773 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061278.D
 Acq: 4 May 2020 15:17

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 50591
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.9 124.3
 192 18.9 14.7 22.1

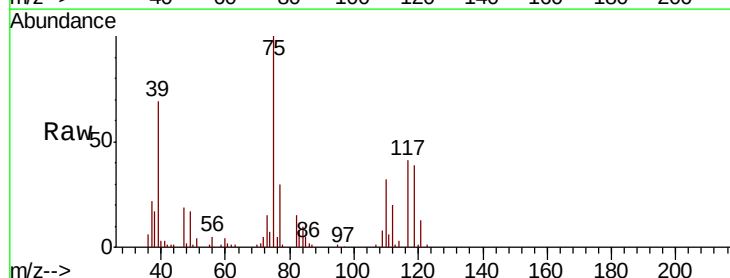


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

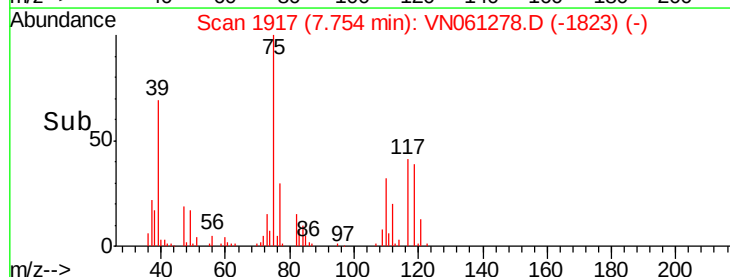
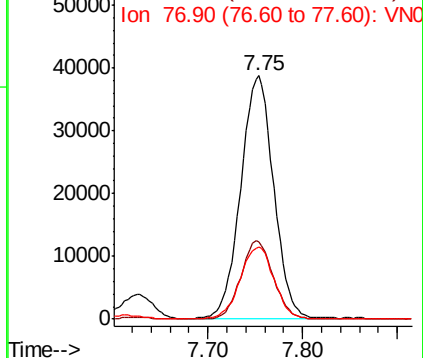


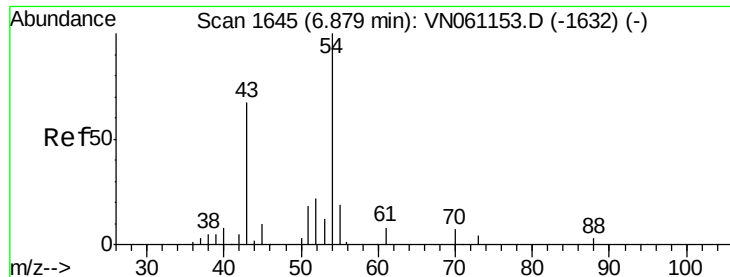
#36
 1,1-Dichloropropene
 Concen: 53.741 ug/l
 RT: 7.75 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VN061278.D
 Acq: 4 May 2020 15:17

Tgt Ion: 75 Resp: 94369
 Ion Ratio Lower Upper
 75 100
 110 31.2 16.0 48.0
 77 30.4 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

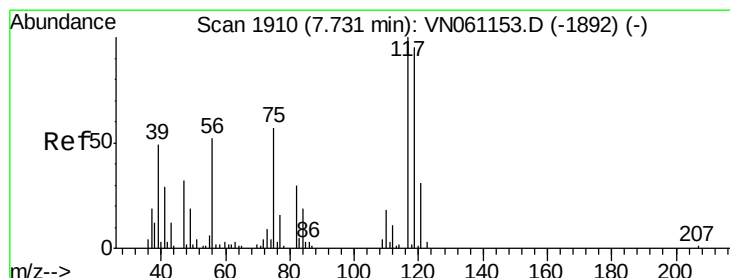
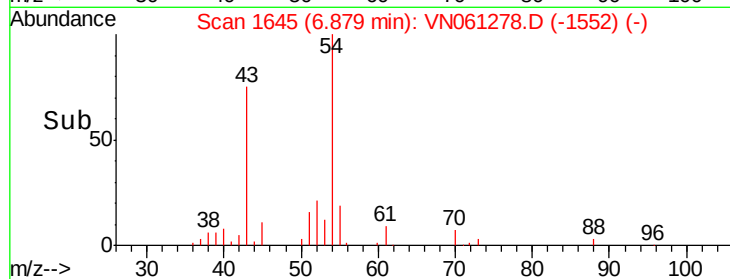
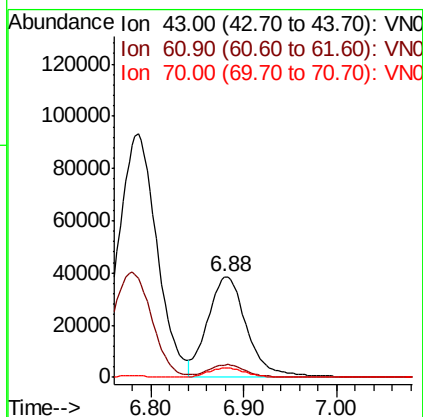
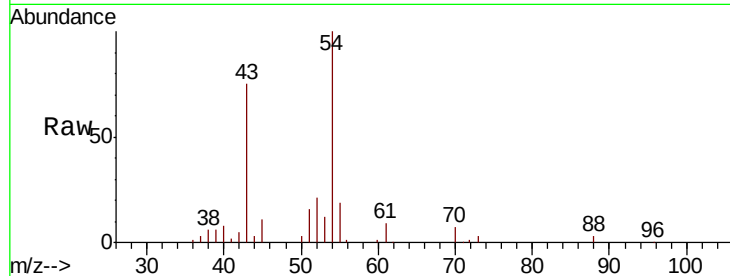




#37
Ethyl Acetate
Concen: 54.073 ug/l
RT: 6.88 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

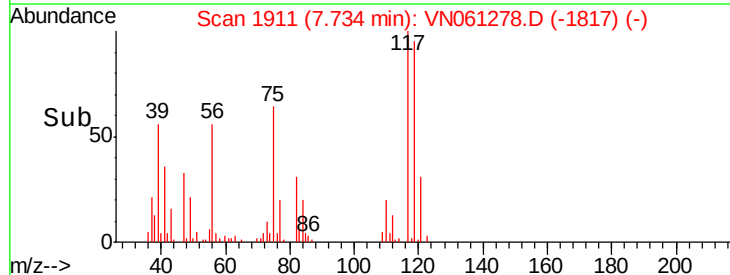
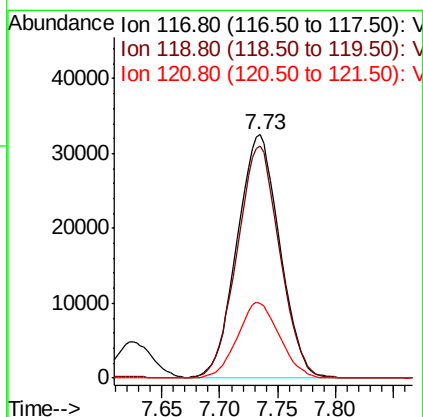
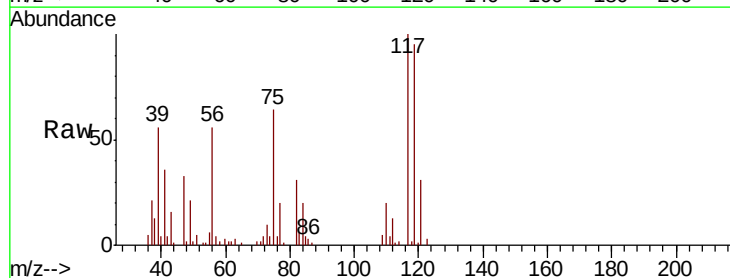
Instrument :
MSVOA_N
ClientSampleId :

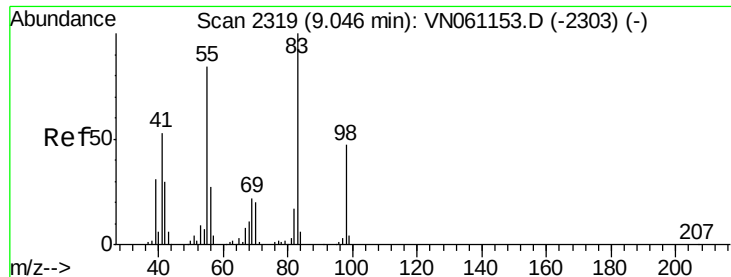
Tot Ion: 43 Resp: 111317
Ion Ratio Lower Upper
43 100
61 12.5 10.2 15.2
70 9.0 7.2 10.8



#38
Carbon Tetrachloride
Concen: 51.932 ug/l
RT: 7.73 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

Tgt Ion: 117 Resp: 83351
Ion Ratio Lower Upper
117 100
119 95.2 75.8 113.6
121 30.6 24.7 37.1

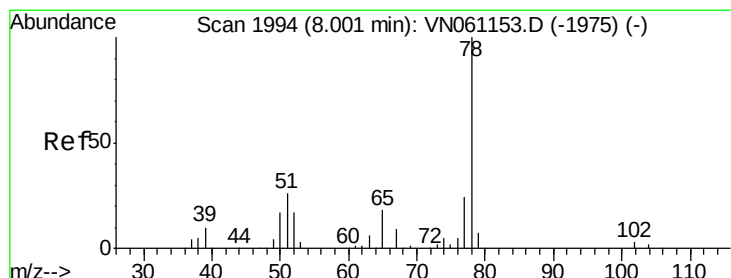
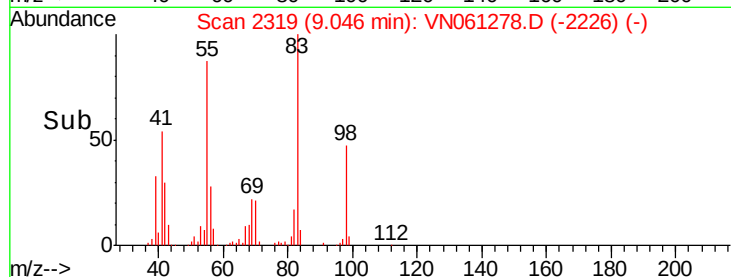
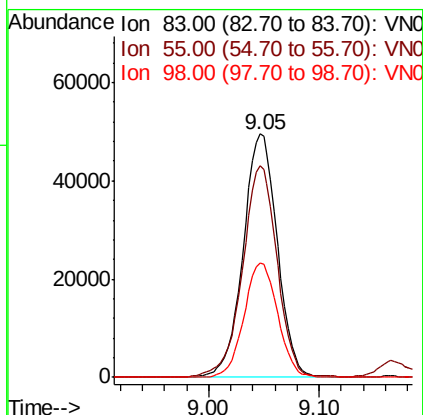
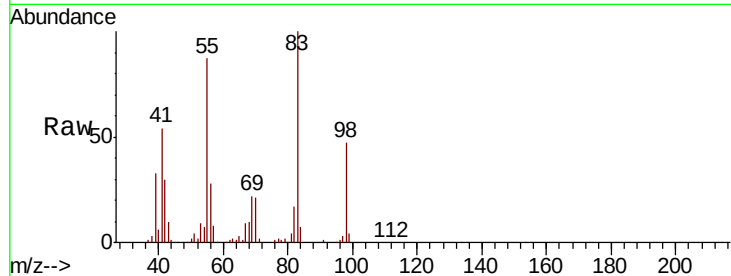




#39
Methylvlcyclohexane
Concen: 53.922 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

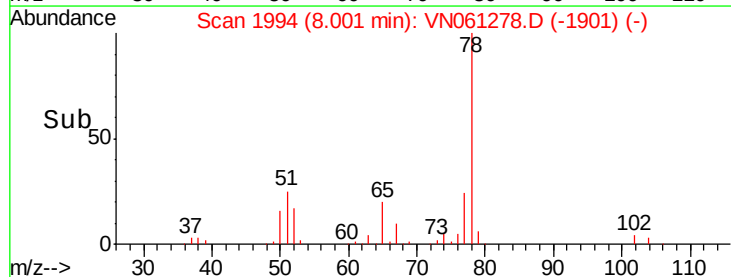
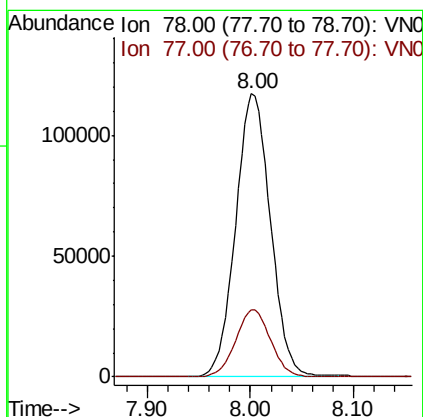
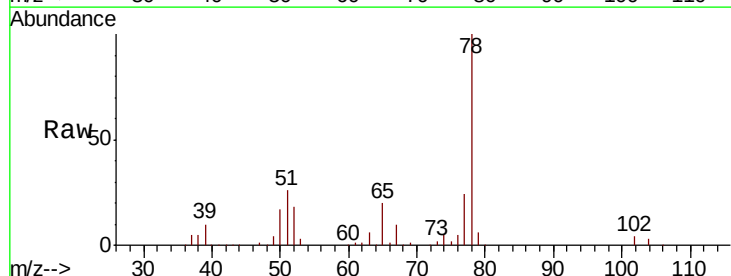
Instrument :
MSVOA_N
ClientSampleId :

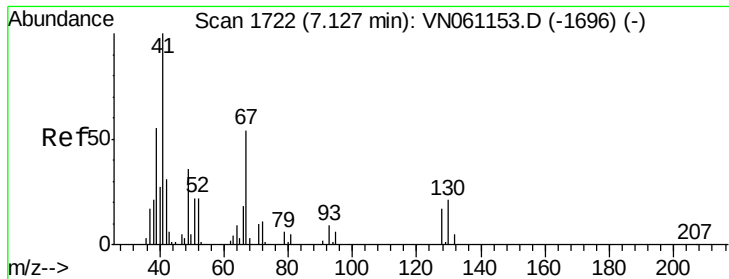
Tot Ion: 83 Resp: 106189
Ion Ratio Lower Upper
83 100
55 86.9 67.3 100.9
98 47.2 37.7 56.5



#40
Benzene
Concen: 52.701 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

Tgt Ion: 78 Resp: 275707
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6

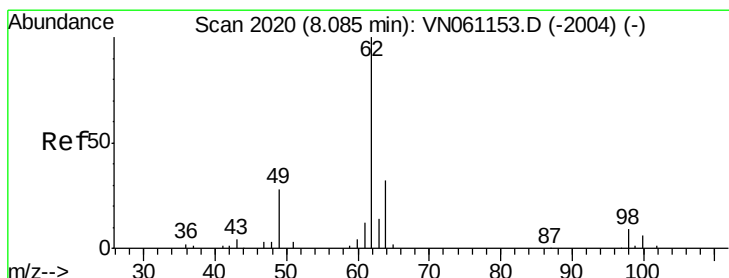
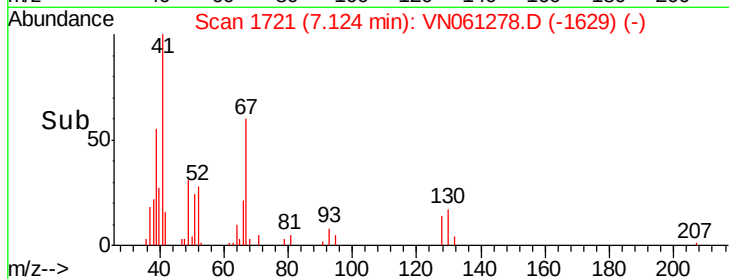
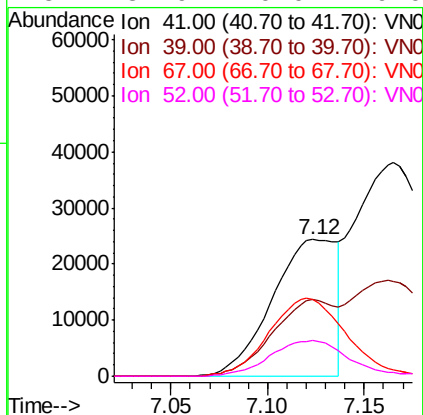
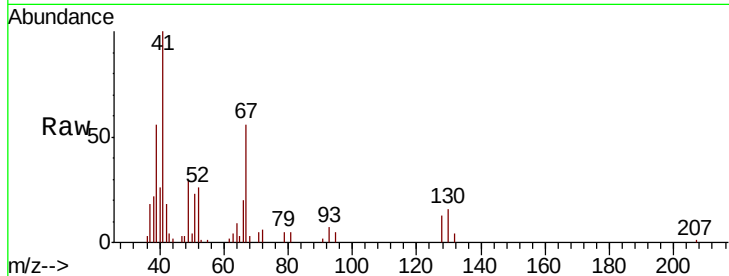




#41
Methacrylonitrile
Concen: 66.322 ug/l
RT: 7.12 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

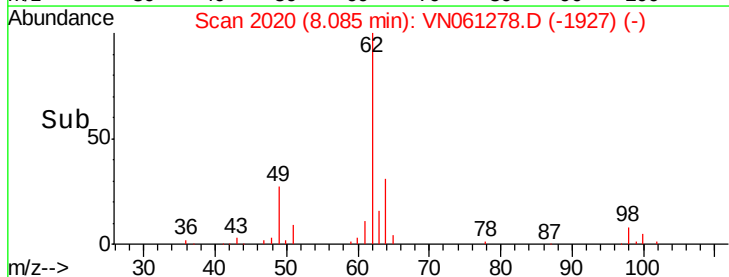
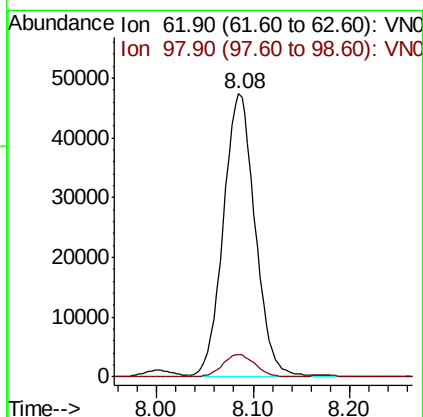
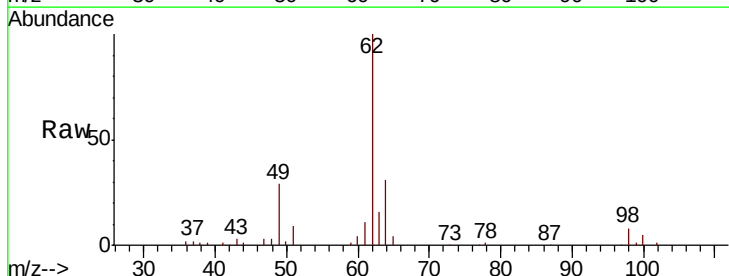
Instrument :
MSVOA_N
ClientSampled :

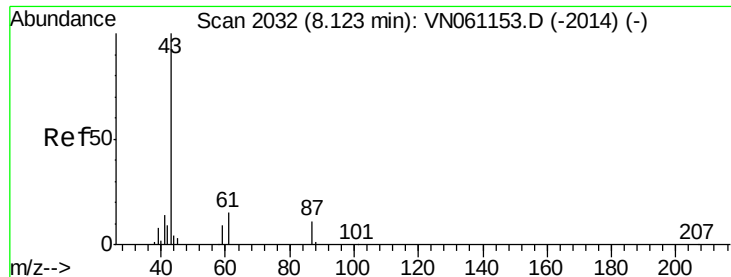
Tot Ion:	41	Resp:	56688
Ion	Ratio	Lower	Upper
41	100		
39	54.6	0.0	0.0#
67	68.5	0.0	0.0#
52	31.9	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 54.637 ug/l
RT: 8.08 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

Tgt Ion:	62	Resp:	108285
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.8





#43

Isopropyl Acetate

Concen: 69.986 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

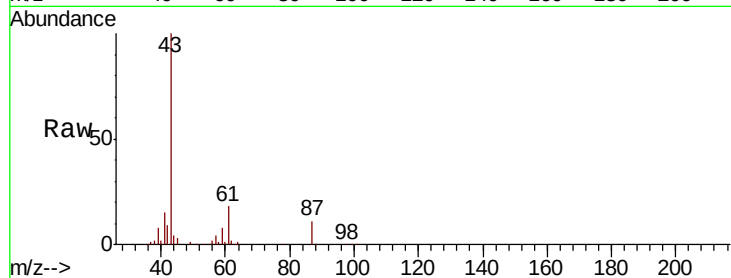
Tot Ion: 43 Resp: 239110

Ion Ratio Lower Upper

43 100

61 18.9 19.5 29.3#

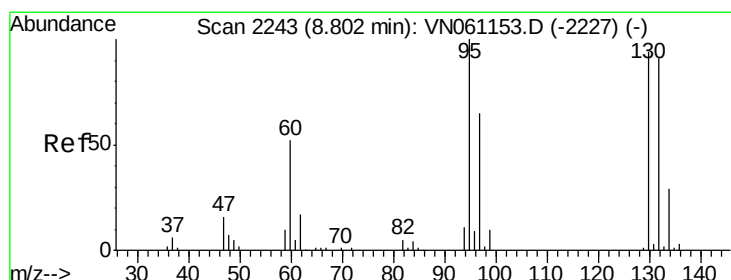
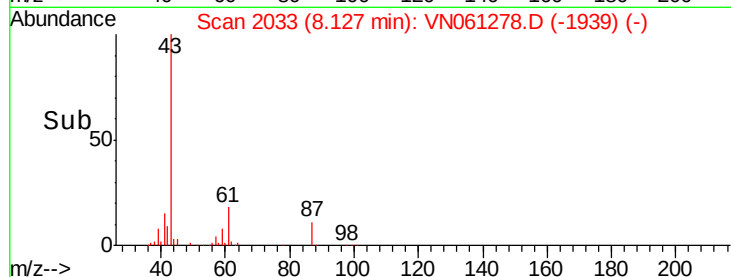
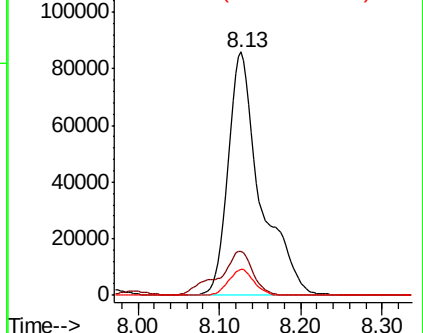
87 8.4 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2014) (-)

Ion 61.00 (60.70 to 61.70): VN061153.D (-2014) (-)

Ion 87.00 (86.70 to 87.70): VN061153.D (-2014) (-)



#44

Trichloroethene

Concen: 49.583 ug/l

RT: 8.80 min Scan# 2243

Delta R.T. 0.00 min

Lab File: VN061278.D

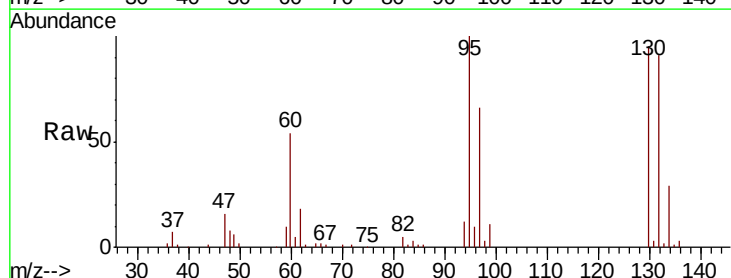
Acq: 4 May 2020 15:17

Tgt Ion:130 Resp: 70123

Ion Ratio Lower Upper

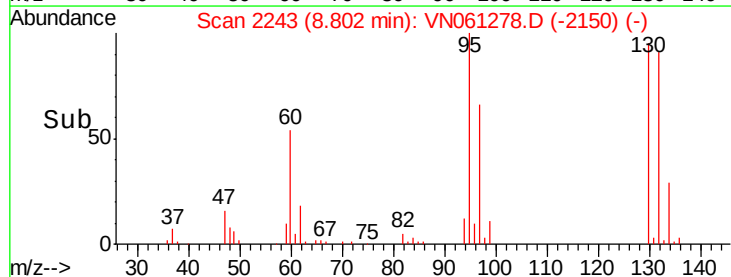
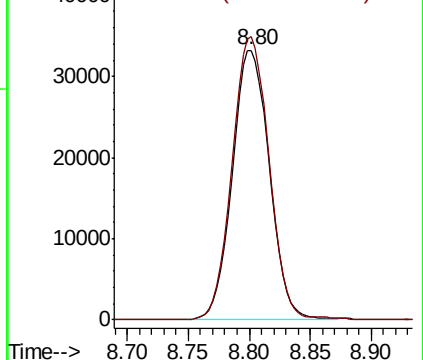
130 100

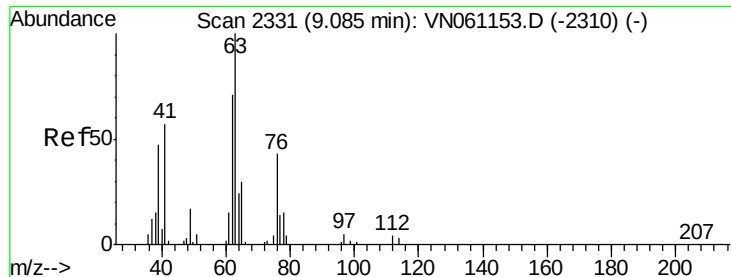
95 105.1 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): VN061153.D (-2227) (-)

Ion 94.90 (94.60 to 95.60): VN061153.D (-2227) (-)





#45

1,2-Dichloropropane

Concen: 54.327 ug/l

RT: 9.08 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

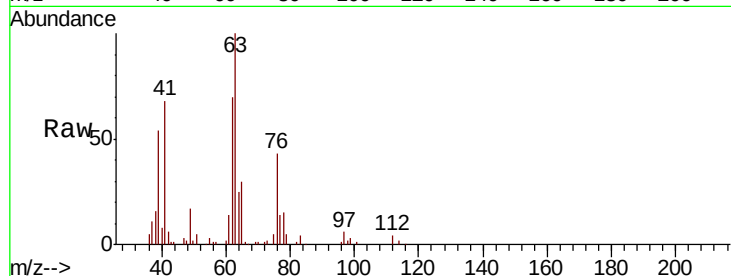
ClientSampled :

Tot Ion: 63 Resp: 75931

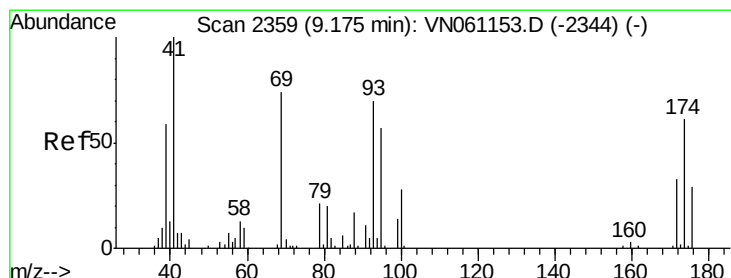
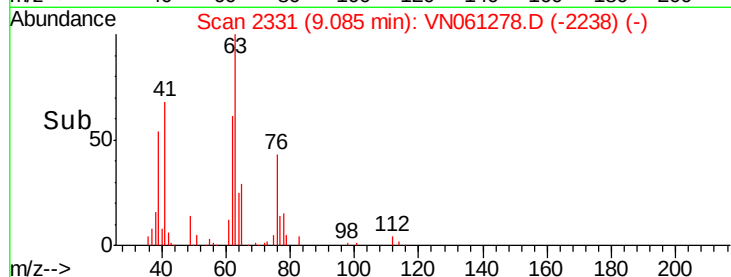
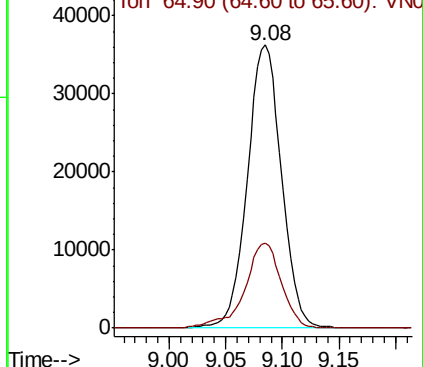
Ion Ratio Lower Upper

63 100

65 30.2 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN061278.D (-2238) (-)



#46

Dibromomethane

Concen: 53.934 ug/l

RT: 9.17 min Scan# 2359

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

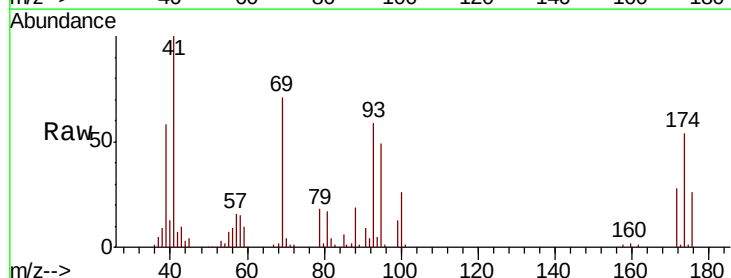
Tgt Ion: 93 Resp: 46674

Ion Ratio Lower Upper

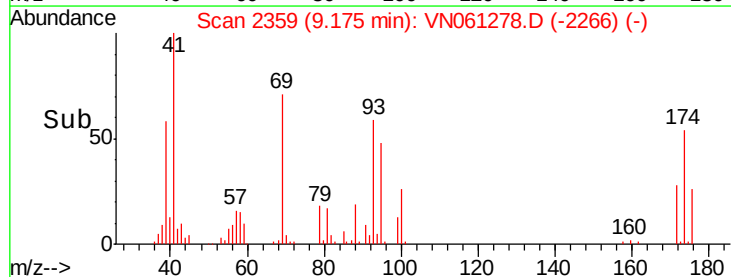
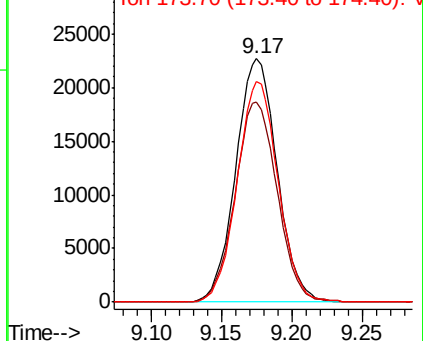
93 100

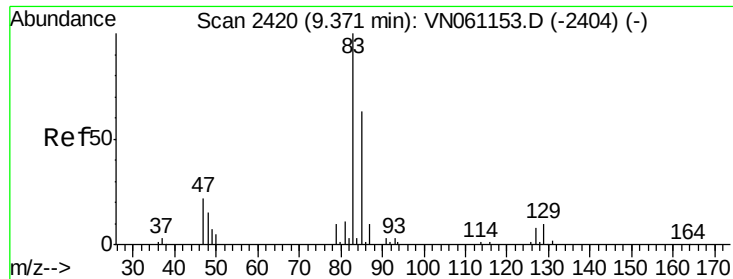
95 83.3 66.6 99.8

174 89.4 70.2 105.2



Abundance Ion 92.80 (92.50 to 93.50): VN061278.D (-2266) (-)





#47

Bromodichloromethane

Concen: 54.754 ug/l

RT: 9.37 min Scan# 2420

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

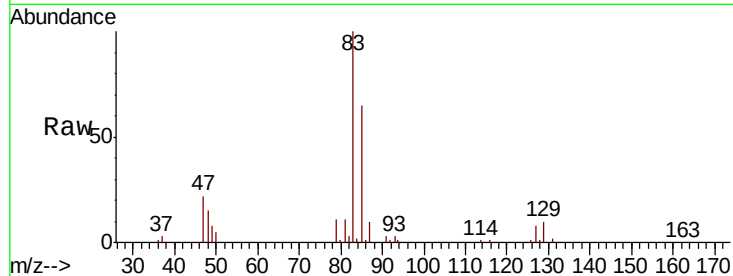
Tot Ion: 83 Resp: 101704

Ion Ratio Lower Upper

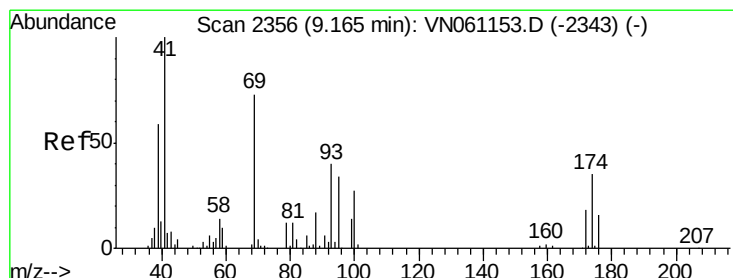
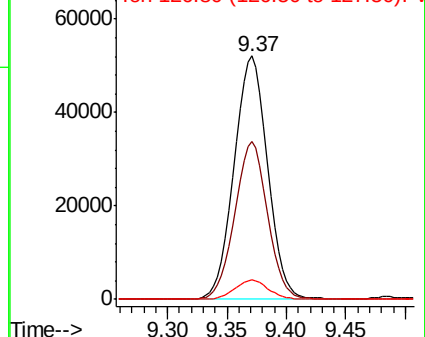
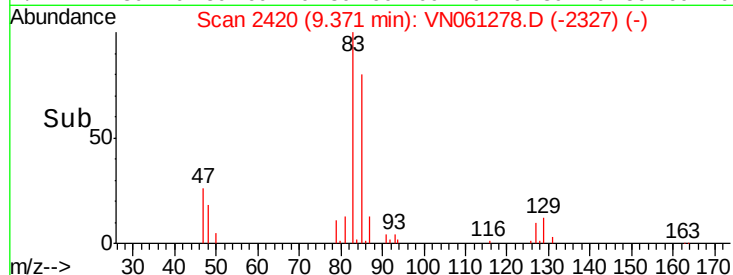
83 100

85 65.0 50.4 75.6

127 7.9 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN061278.D (-2327) (-)



#48

Methyl methacrylate

Concen: 58.717 ug/l

RT: 9.17 min Scan# 2356

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

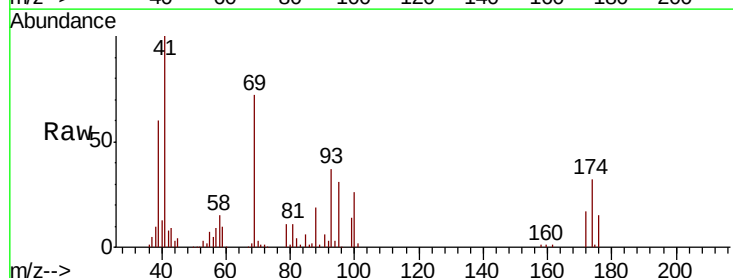
Tgt Ion: 41 Resp: 90525

Ion Ratio Lower Upper

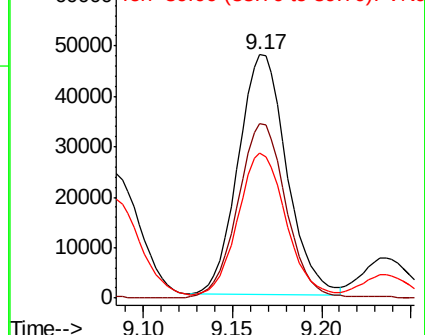
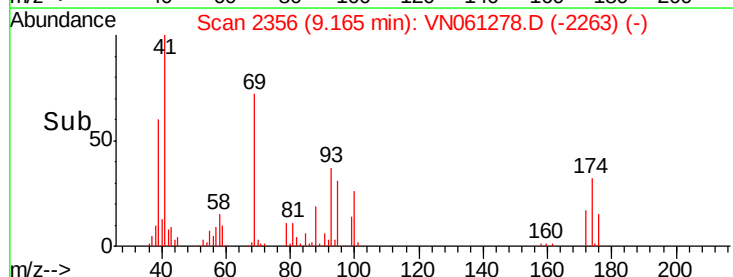
41 100

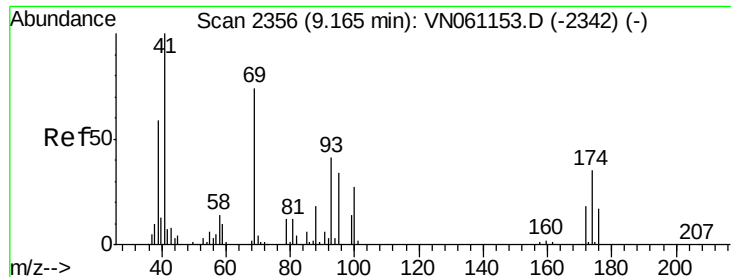
69 72.4 60.3 90.5

39 60.0 47.4 71.0



Abundance Ion 41.00 (40.70 to 41.70): VN061278.D (-2263) (-)

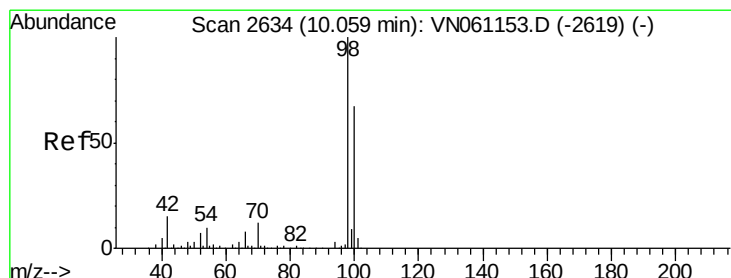
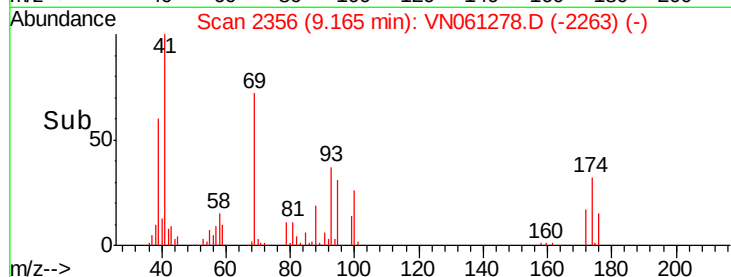
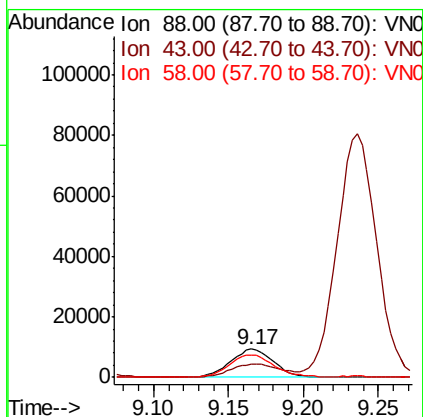
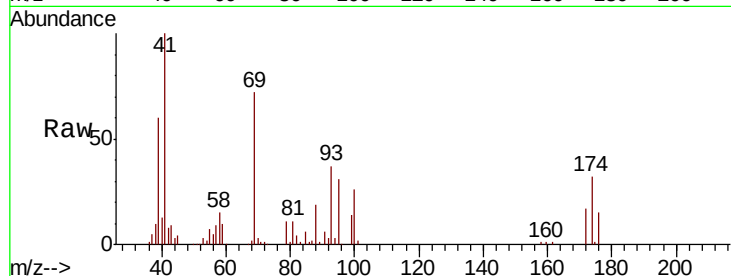




#49
1,4-Dioxane
Concen: 1072.895 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

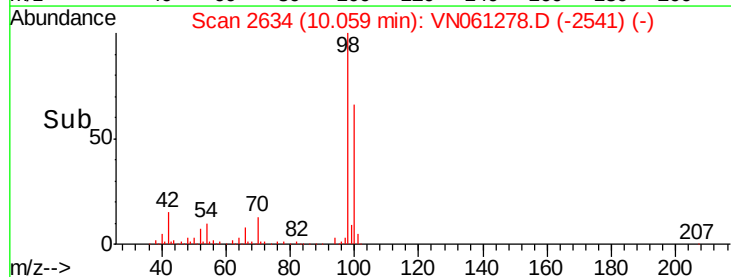
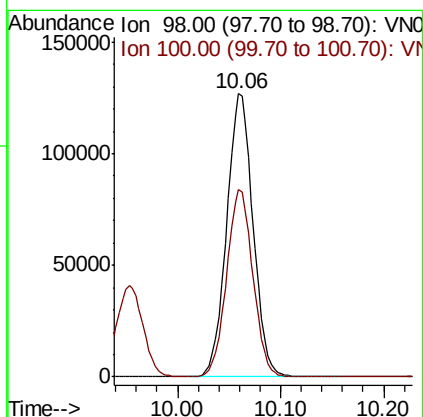
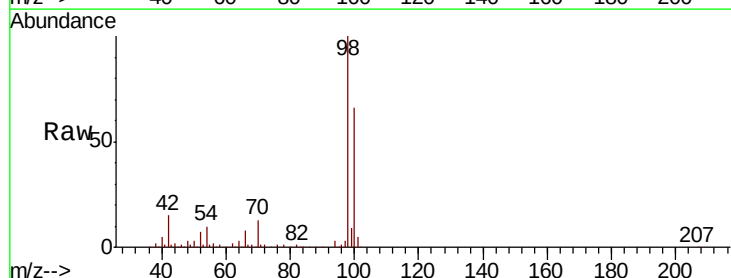
Instrument :
MSVOA_N
ClientSampleId :

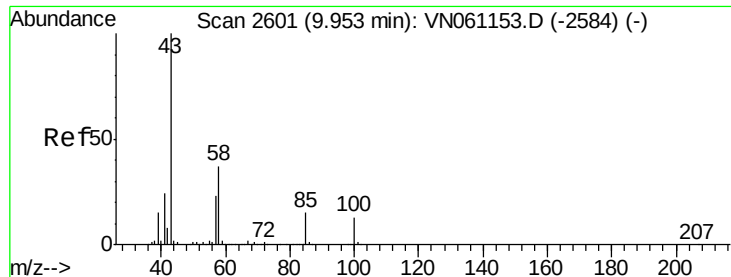
Tot Ion: 88 Resp: 18776
Ion Ratio Lower Upper
88 100
43 50.2 35.3 52.9
58 83.5 61.5 92.3



#50
Toluene-d8
Concen: 53.426 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

Tgt Ion: 98 Resp: 225911
Ion Ratio Lower Upper
98 100
100 65.6 53.4 80.0

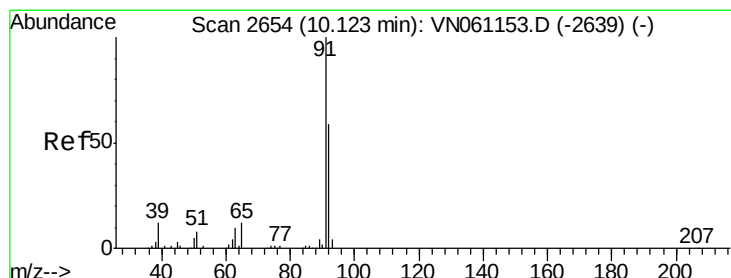
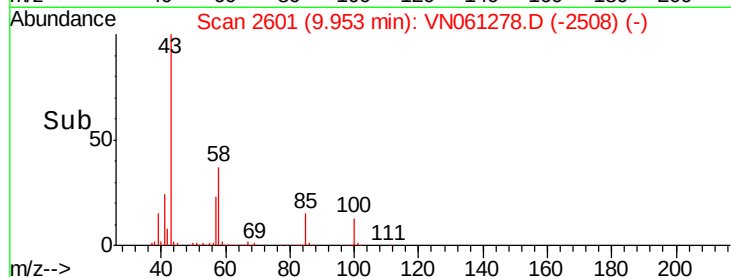
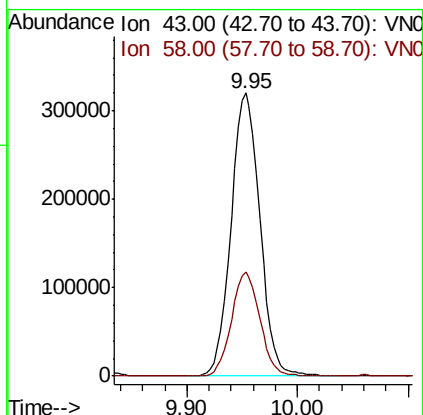
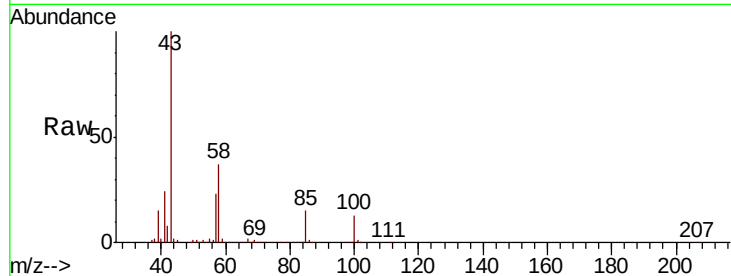




#51
4-Methyl-2-Pentanone
Concen: 287.629 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

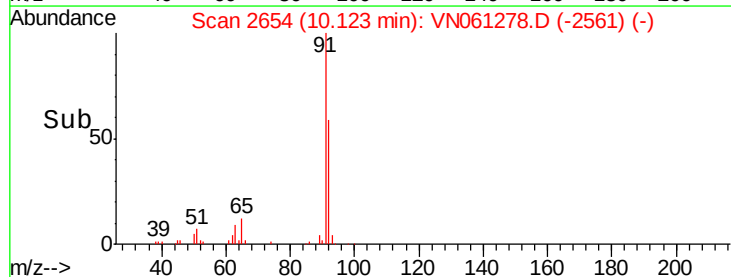
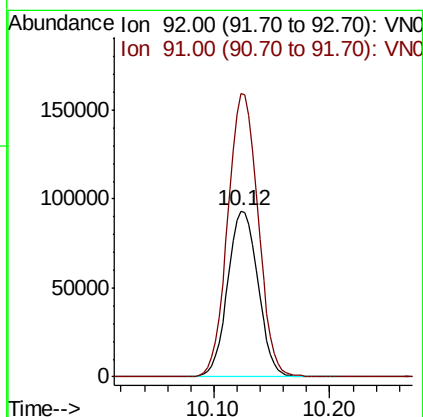
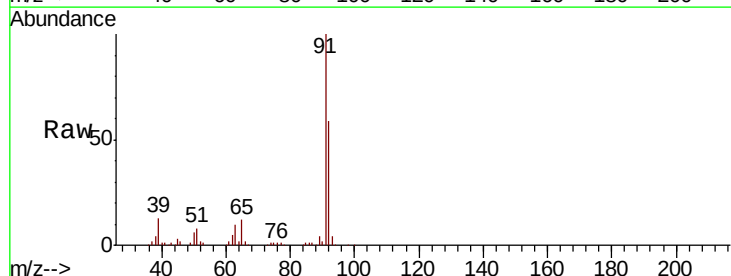
Instrument :
MSVOA_N
ClientSampled :

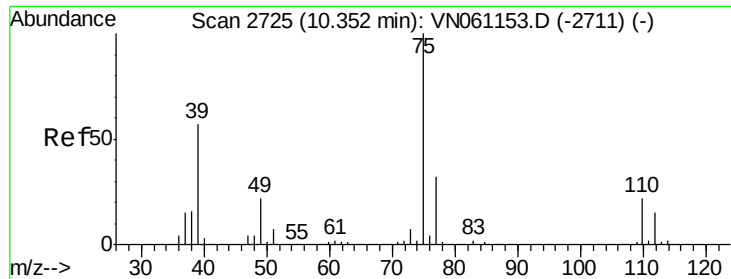
Tot Ion: 43 Resp: 578426
Ion Ratio Lower Upper
43 100
58 36.3 29.1 43.7



#52
Toluene
Concen: 53.691 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

Tgt Ion: 92 Resp: 169188
Ion Ratio Lower Upper
92 100
91 171.6 136.2 204.2

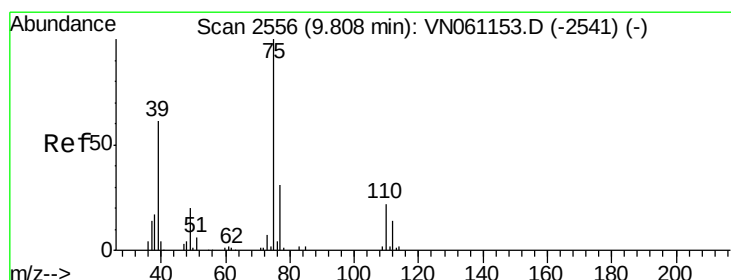
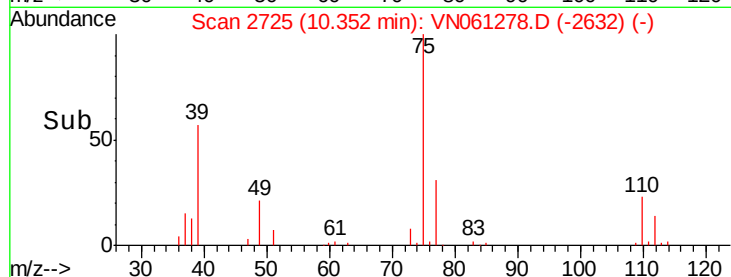
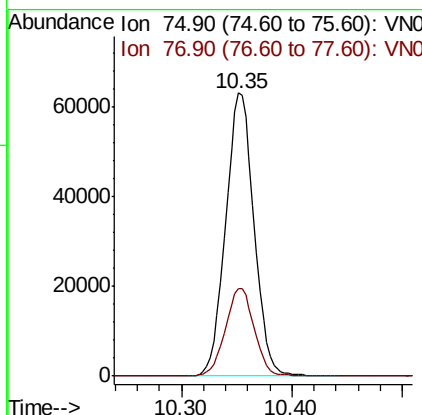
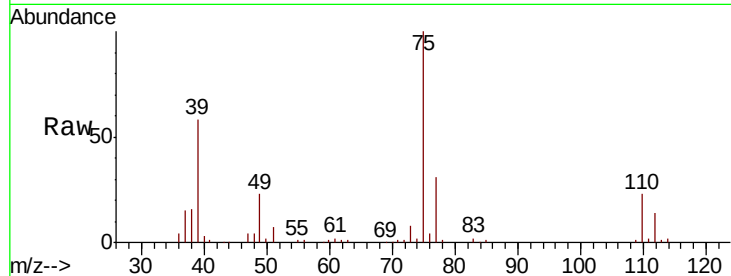




#53
t-1,3-Dichloropropene
Concen: 53.682 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

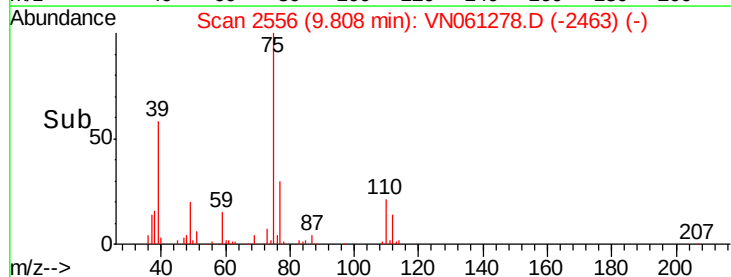
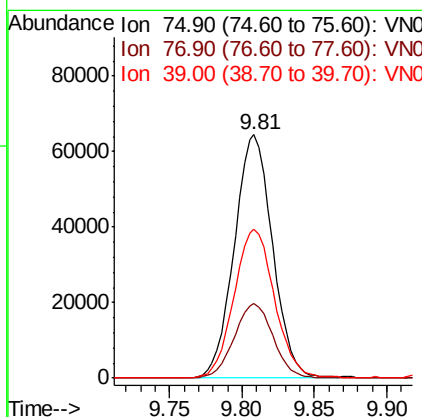
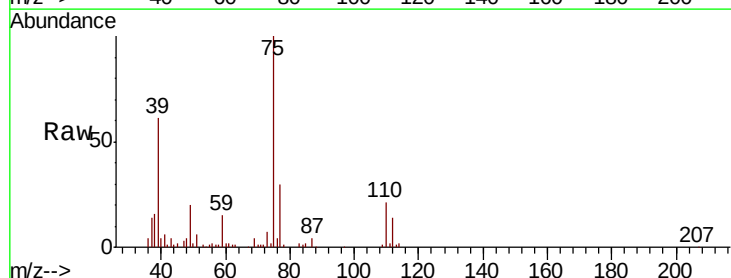
Instrument :
MSVOA_N
ClientSampleId :

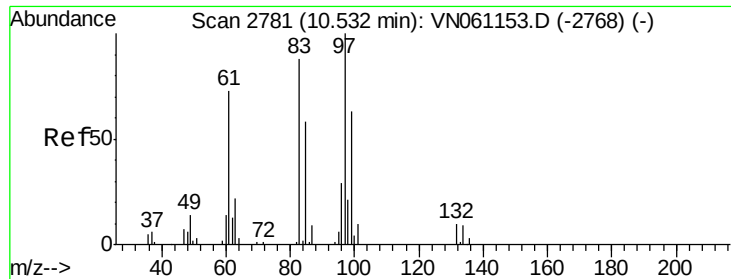
Tot Ion: 75 Resp: 112355
Ion Ratio Lower Upper
75 100
77 31.1 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 53.383 ug/l
RT: 9.81 min Scan# 2556
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

Tgt Ion: 75 Resp: 118119
Ion Ratio Lower Upper
75 100
77 30.4 25.0 37.4
39 61.3 48.7 73.1





#55

1,1,2-Trichloroethane

Concen: 53.938 ug/l

RT: 10.53 min Scan# 2782

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

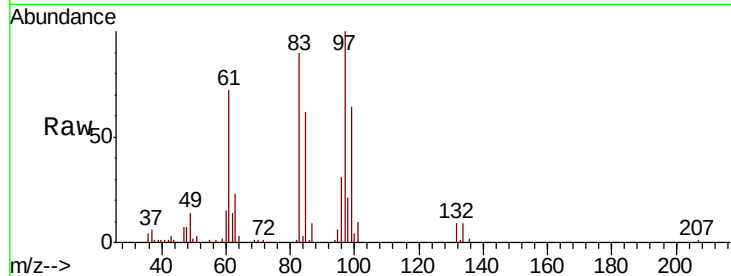
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 67794

Ion	Ratio	Lower	Upper
97	100		
83	89.9	70.6	106.0
85	61.7	46.4	69.6
99	64.3	50.6	75.8



Abundance

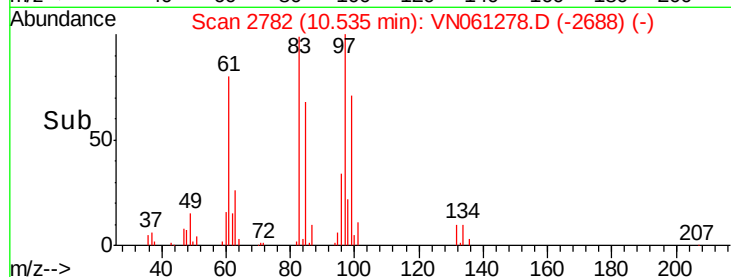
Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

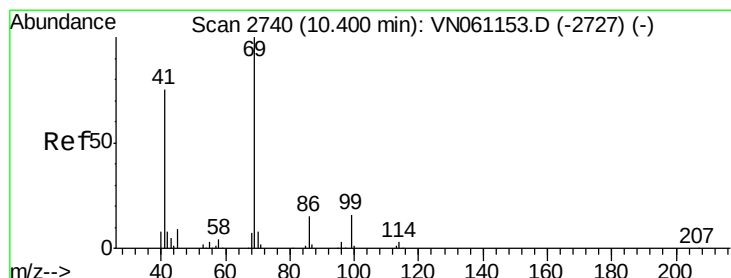
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Time-->



Time-->



#56

Ethyl methacrylate

Concen: 50.973 ug/l

RT: 10.40 min Scan# 2740

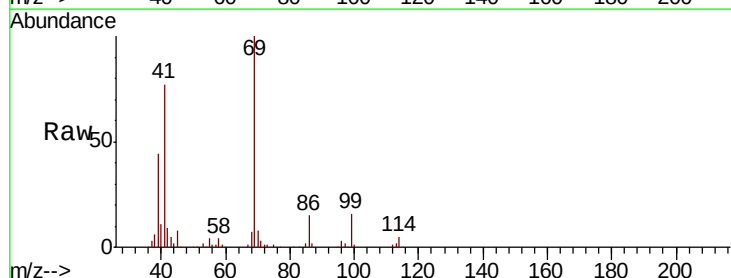
Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Tgt Ion: 69 Resp: 111765

Ion	Ratio	Lower	Upper
69	100		
41	75.6	60.3	90.5
39	44.1	35.9	53.9



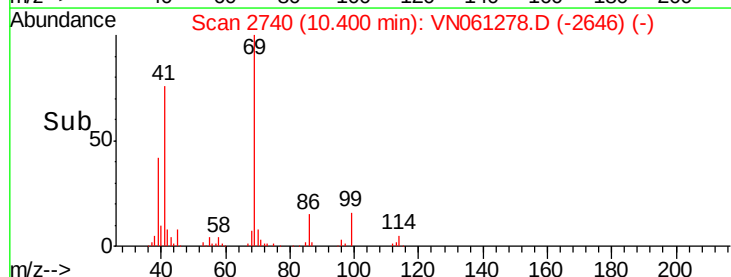
Abundance

Ion 69.00 (68.70 to 69.70): VN0

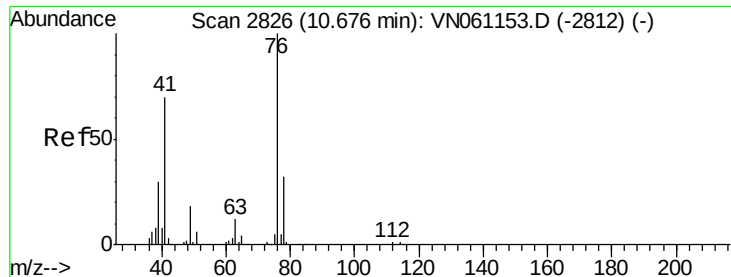
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Time-->



Time-->



#57

1,3-Dichloropropane

Concen: 54.423 ug/l

RT: 10.68 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

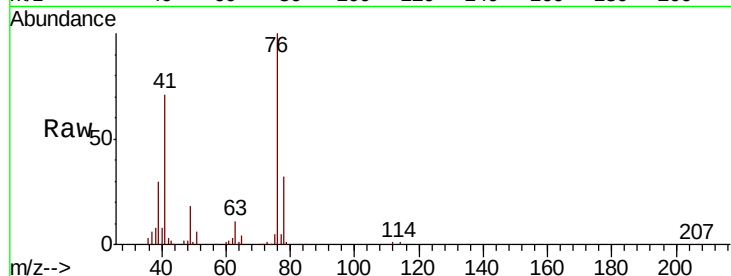
ClientSampleId :

Tot Ion: 76 Resp: 120237

Ion Ratio Lower Upper

76 100

78 32.3 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN061153.D (-2812) (-)

Ion 77.90 (77.60 to 78.60): VN061153.D (-2812) (-)

10.68

60000

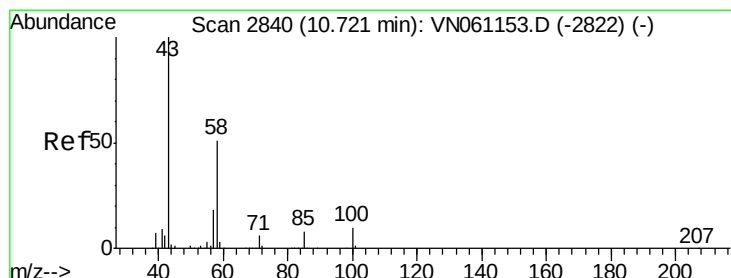
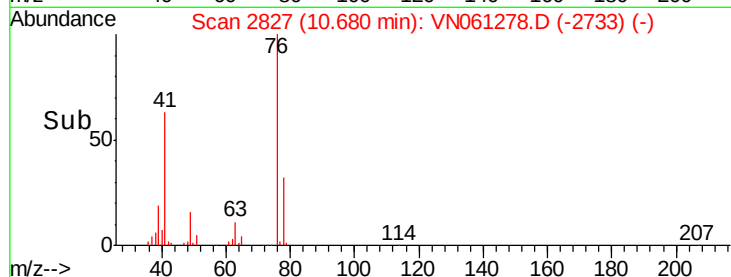
40000

20000

0

10.60 10.70

Time-->



#59

2-Hexanone

Concen: 291.246 ug/l

RT: 10.72 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN061278.D

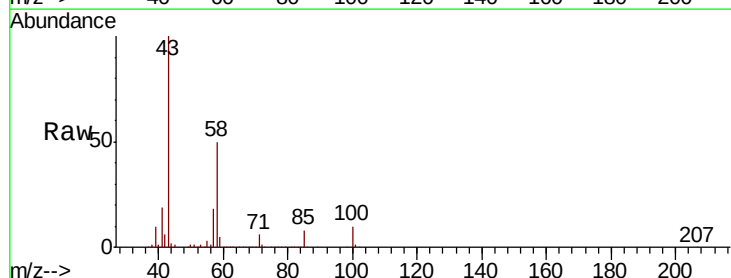
Acq: 4 May 2020 15:17

Tgt Ion: 43 Resp: 426109

Ion Ratio Lower Upper

43 100

58 50.1 25.4 76.4



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2822) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-2822) (-)

10.72

300000

250000

200000

150000

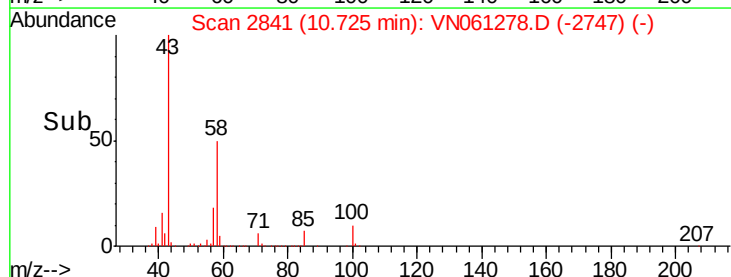
100000

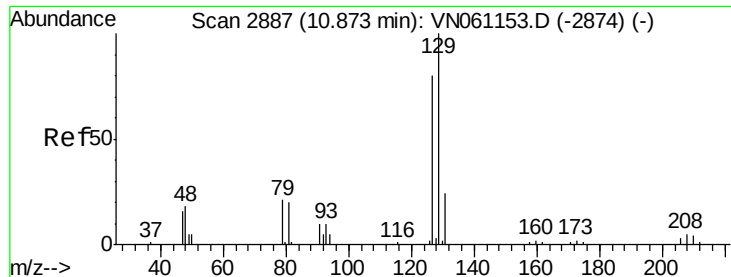
50000

0

10.60 10.70 10.80

Time-->





#60

Dibromochloromethane

Concen: 54.024 ug/l

RT: 10.88 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

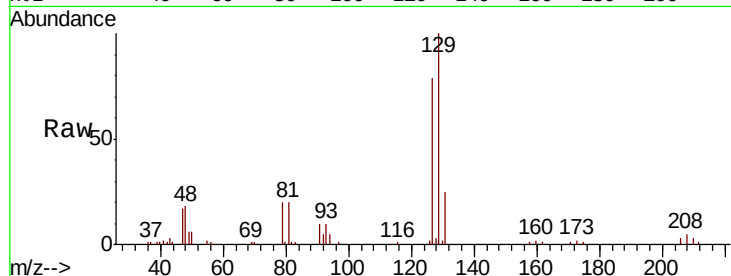
ClientSampleId :

Tot Ion:129 Resp: 71118

Ion Ratio Lower Upper

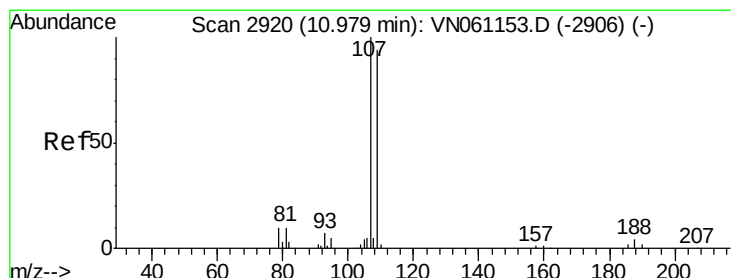
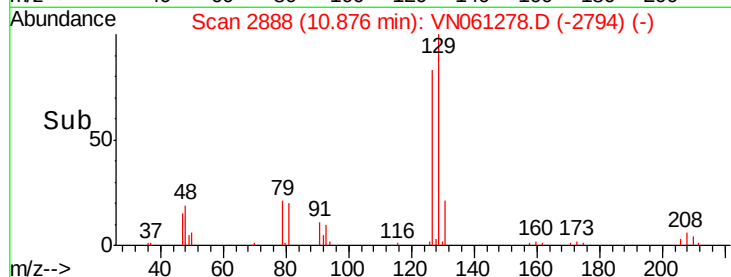
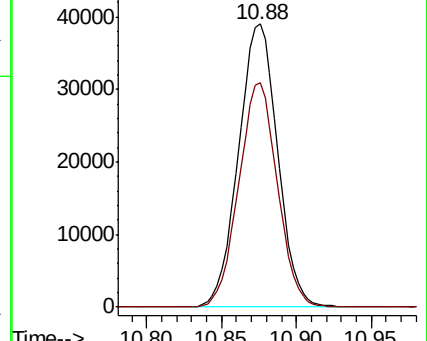
129 100

127 77.9 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 54.171 ug/l

RT: 10.98 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VN061278.D

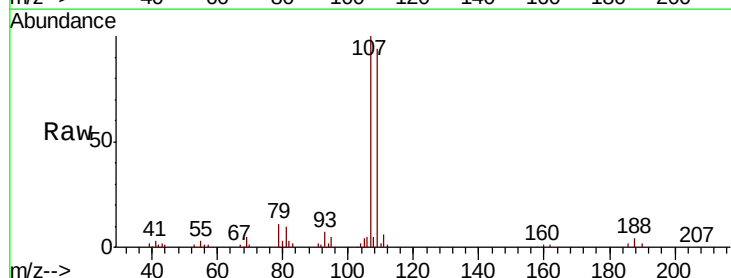
Acq: 4 May 2020 15:17

Tgt Ion:107 Resp: 68244

Ion Ratio Lower Upper

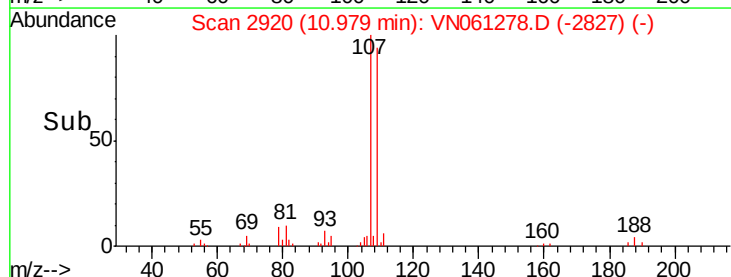
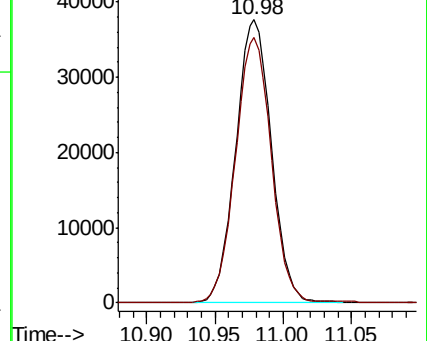
107 100

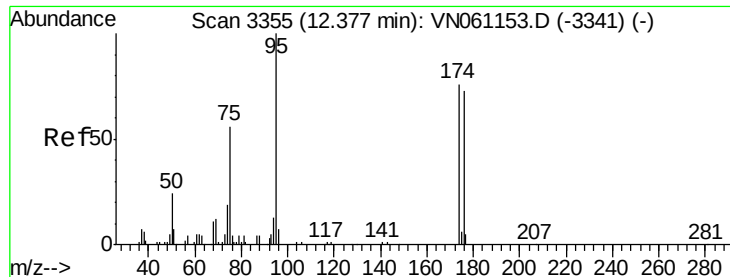
109 94.3 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 54.019 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

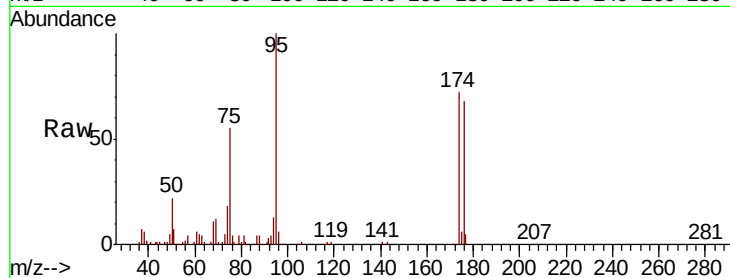
Tot Ion: 95 Resp: 85958

Ion Ratio Lower Upper

95 100

174 72.5 0.0 149.4

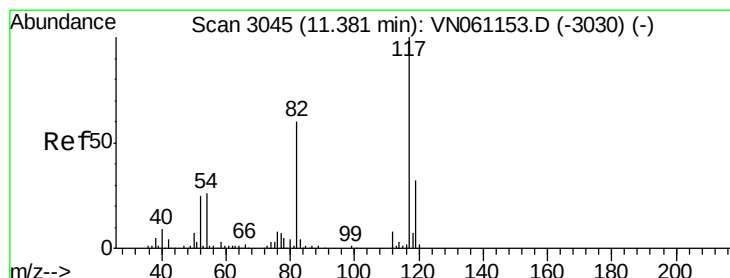
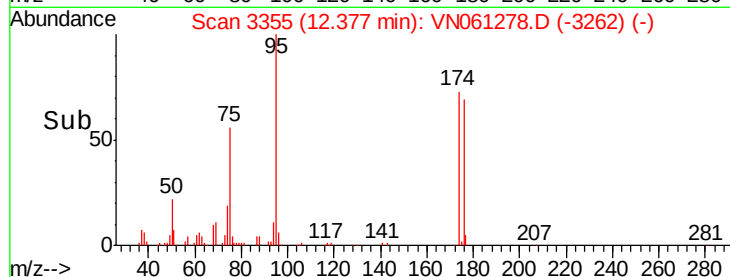
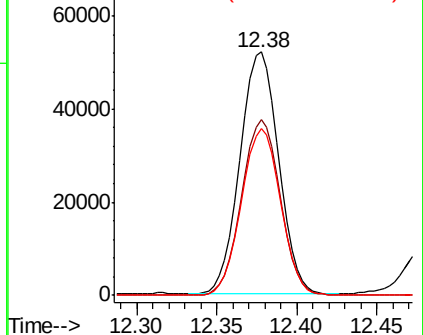
176 69.5 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061278.D (-3262) (-)

Ion 173.80 (173.50 to 174.50): VN061278.D (-3262) (-)

Ion 175.80 (175.50 to 176.50): VN061278.D (-3262) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

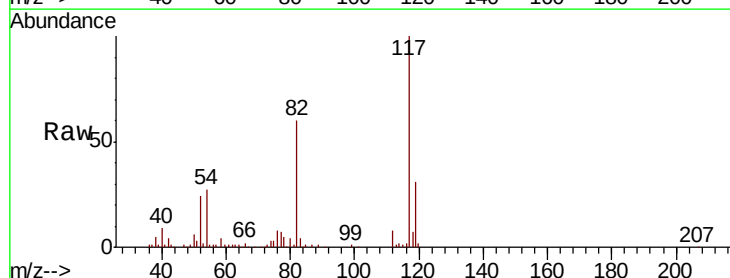
Tgt Ion: 117 Resp: 167684

Ion Ratio Lower Upper

117 100

82 59.8 47.8 71.8

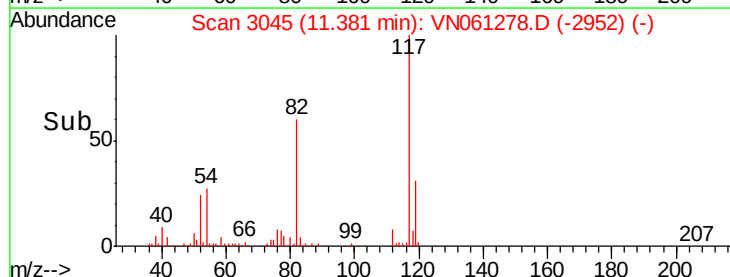
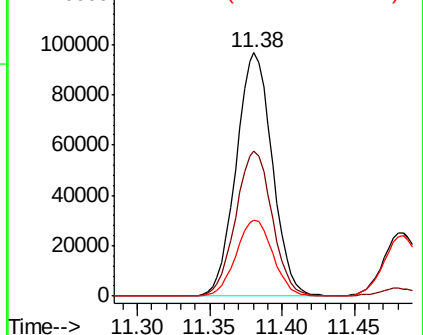
119 31.4 25.8 38.6

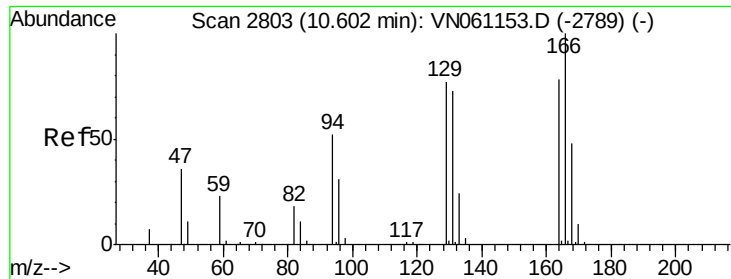


Abundance Ion 116.90 (116.60 to 117.60): VN061278.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061278.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061278.D (-2952) (-)





#64

Tetrachloroethene

Concen: 47.234 ug/l

RT: 10.60 min Scan# 2803

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:164 Resp: 68599

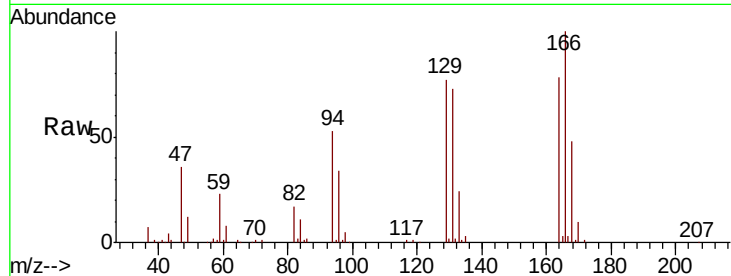
Ion Ratio Lower Upper

164 100

166 128.1 102.0 153.0

129 98.4 78.2 117.2

131 94.0 74.5 111.7

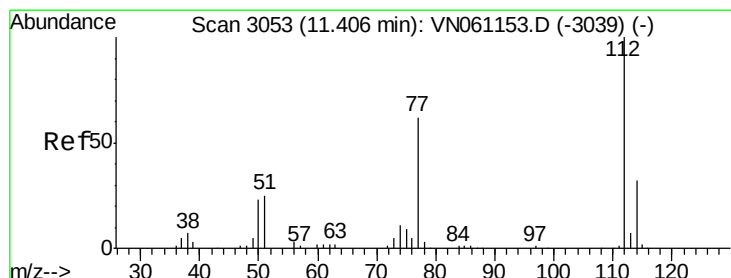
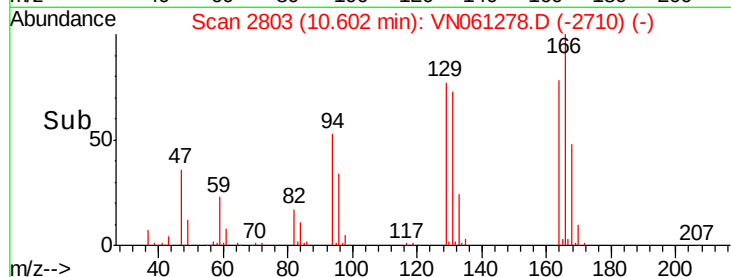
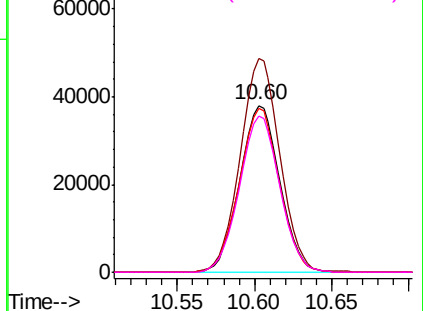


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 52.239 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. 0.00 min

Lab File: VN061278.D

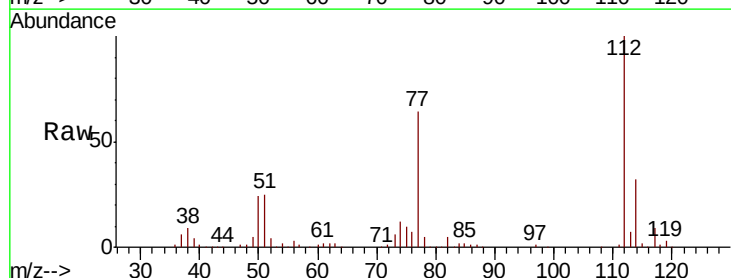
Acq: 4 May 2020 15:17

Tgt Ion:112 Resp: 173763

Ion Ratio Lower Upper

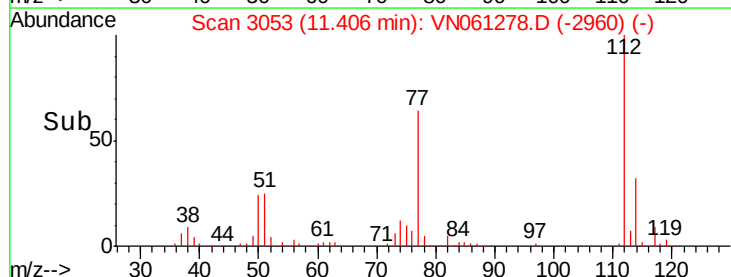
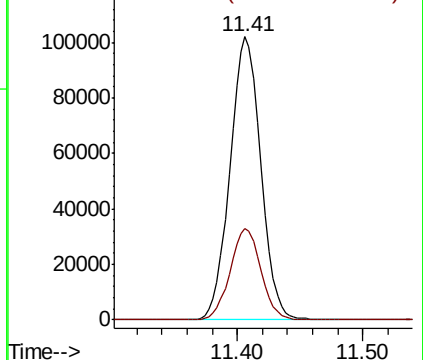
112 100

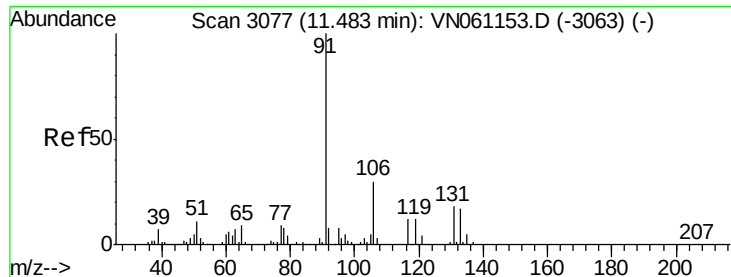
114 32.4 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 54.198 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

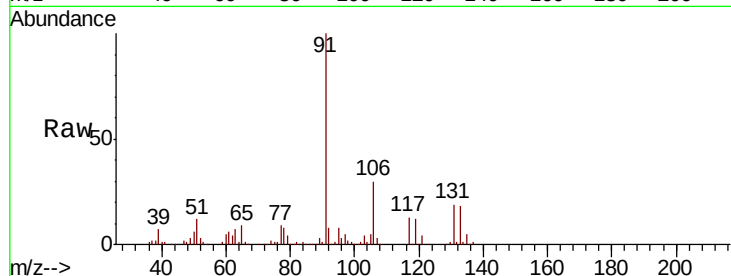
Tot Ion:131 Resp: 64523

Ion Ratio Lower Upper

131 100

133 95.3 48.0 144.2

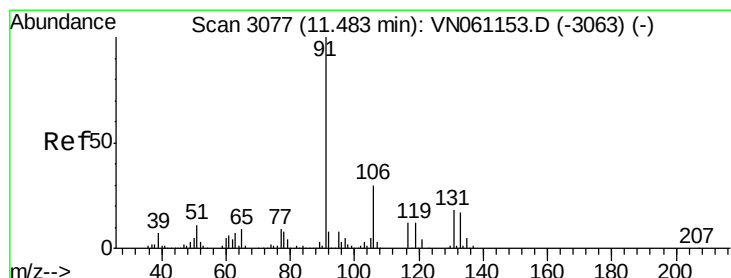
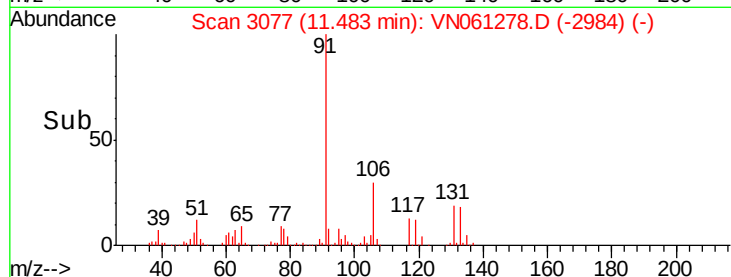
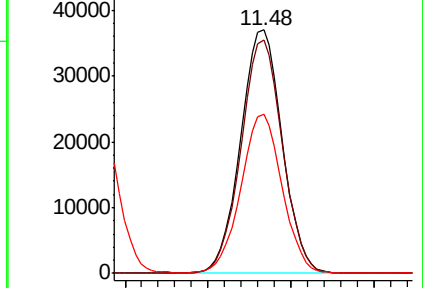
119 64.9 32.6 97.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 53.571 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061278.D

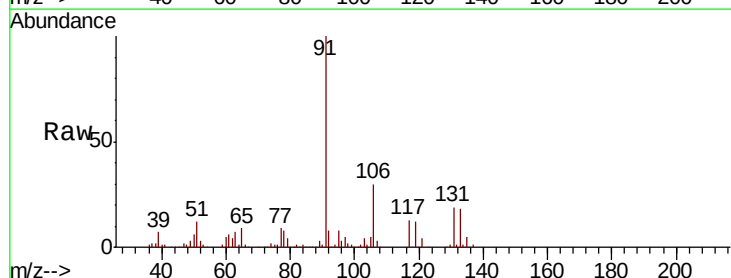
Acq: 4 May 2020 15:17

Tgt Ion: 91 Resp: 333573

Ion Ratio Lower Upper

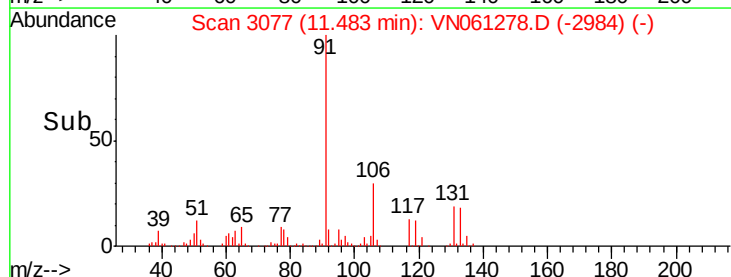
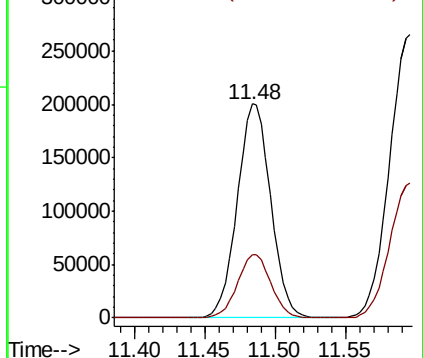
91 100

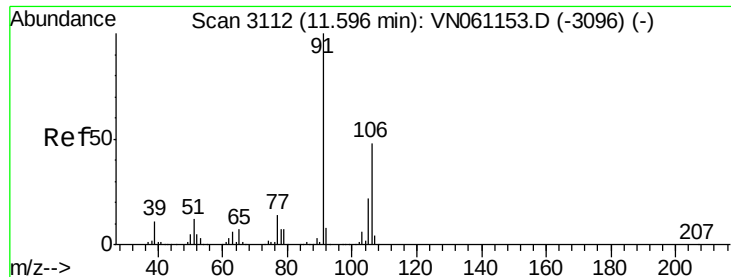
106 29.8 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

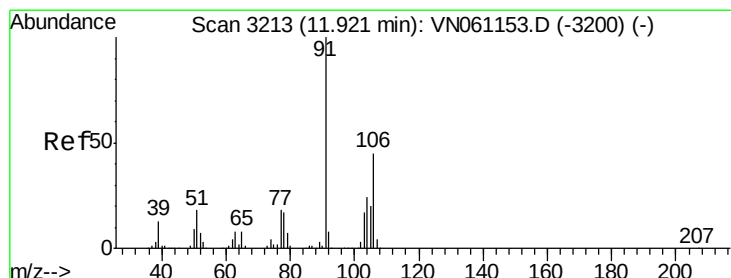
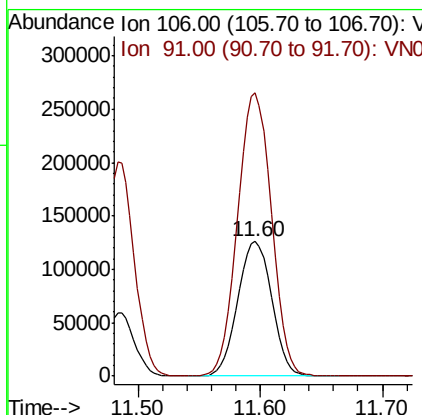
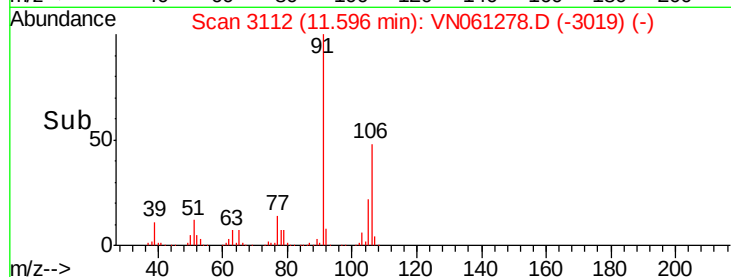
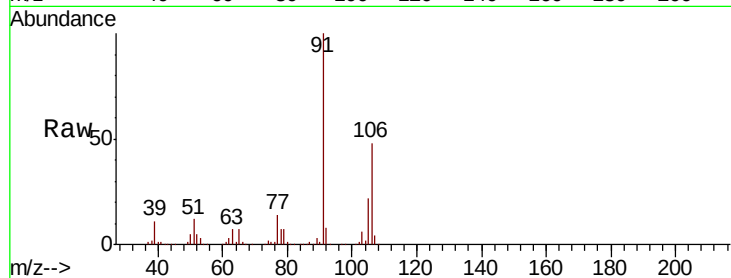




#68
m/p-Xylenes
Concen: 106.530 ug/l
RT: 11.60 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

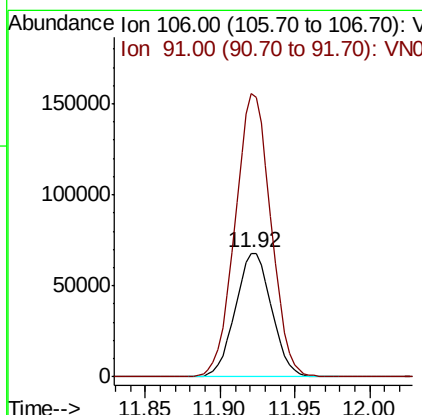
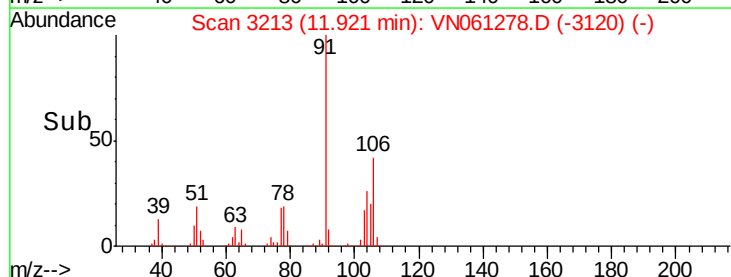
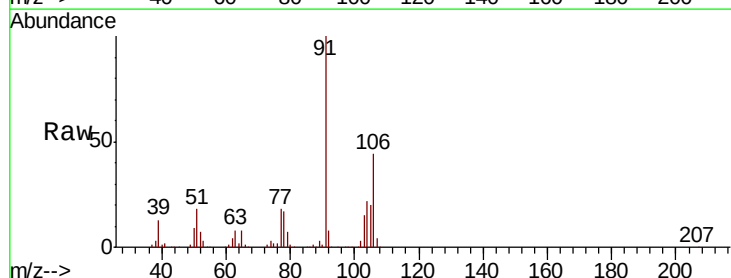
Instrument :
MSVOA_N
ClientSampleId :

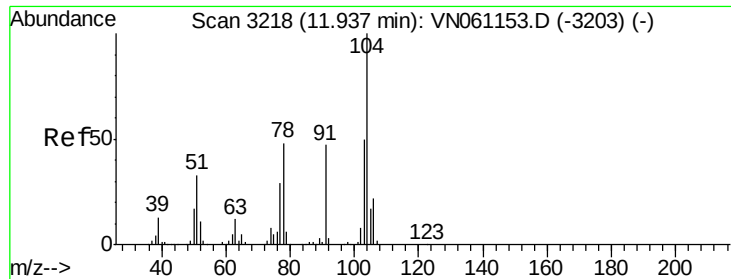
Tot Ion:106 Resp: 242801
Ion Ratio Lower Upper
106 100
91 209.4 166.4 249.6



#69
o-Xylene
Concen: 52.412 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

Tgt Ion:106 Resp: 114746
Ion Ratio Lower Upper
106 100
91 225.9 109.7 329.0

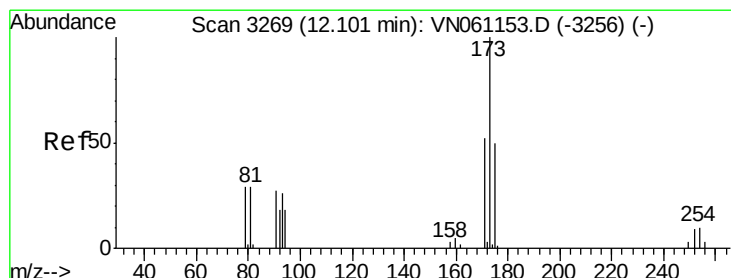
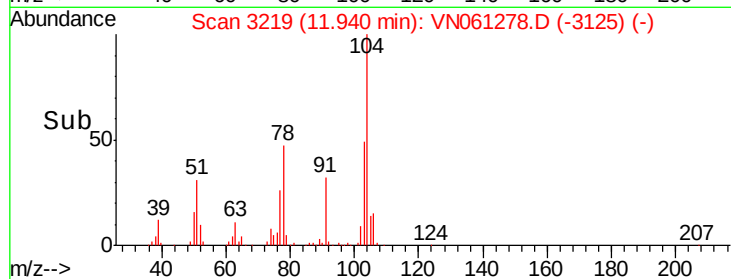
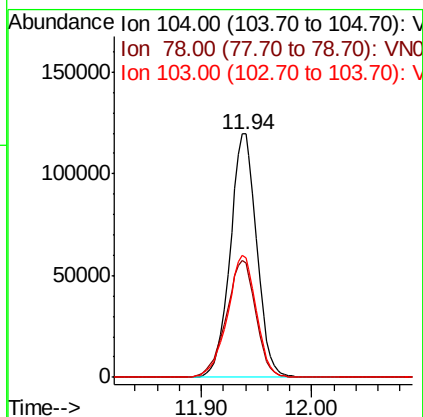
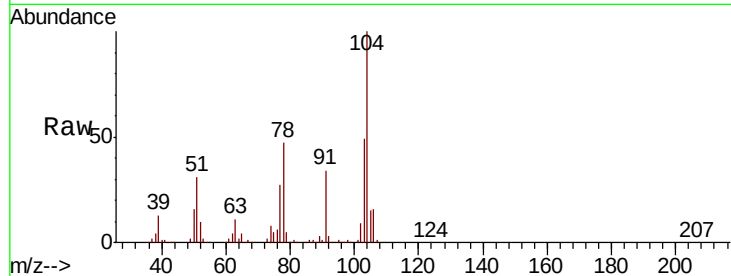




#70
Stvrene
Concen: 54.544 ug/l
RT: 11.94 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

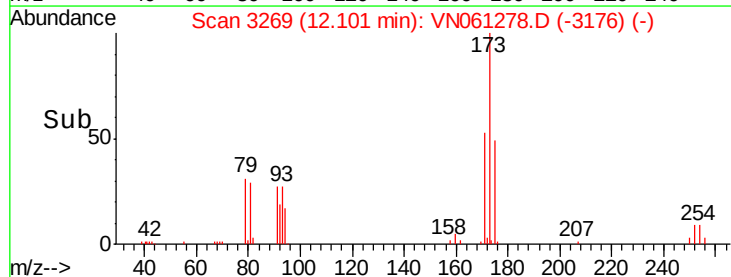
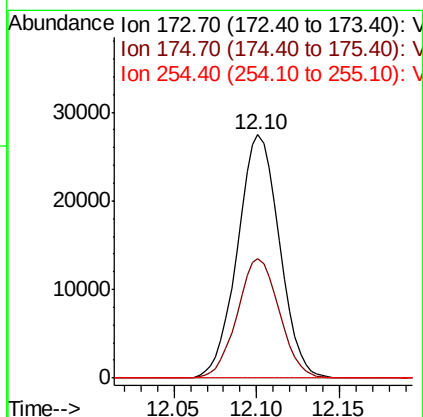
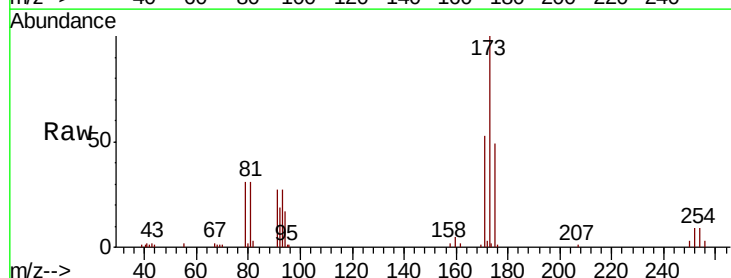
Instrument :
MSVOA_N
ClientSampled :

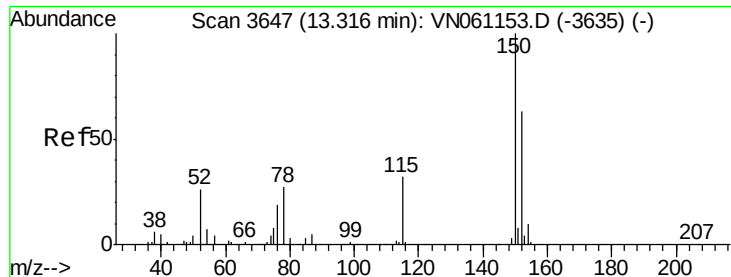
Tot Ion:104 Resp: 199863
Ion Ratio Lower Upper
104 100
78 53.3 42.1 63.1
103 54.1 43.3 64.9



#71
Bromoform
Concen: 55.397 ug/l
RT: 12.10 min Scan# 3269
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

Tgt Ion:173 Resp: 48470
Ion Ratio Lower Upper
173 100
175 49.1 24.1 72.4
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

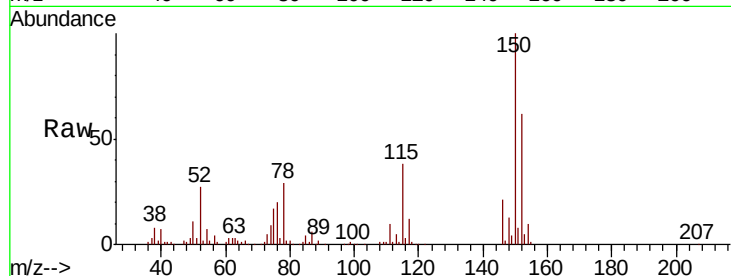
Tot Ion:152 Resp: 82227

Ion Ratio Lower Upper

152 100

115 61.7 31.0 93.0

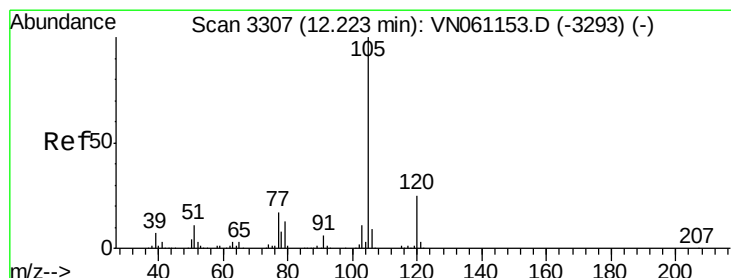
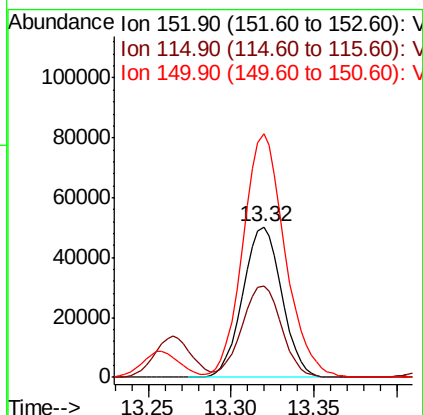
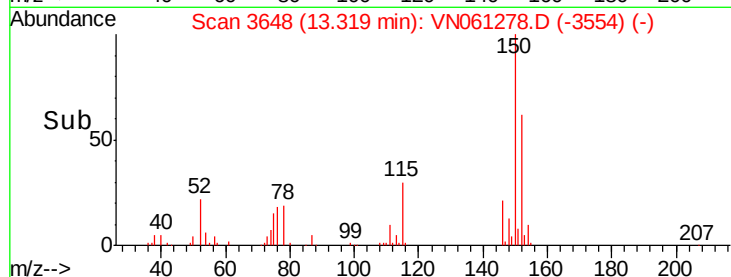
150 174.5 0.0 351.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 52.718 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061278.D

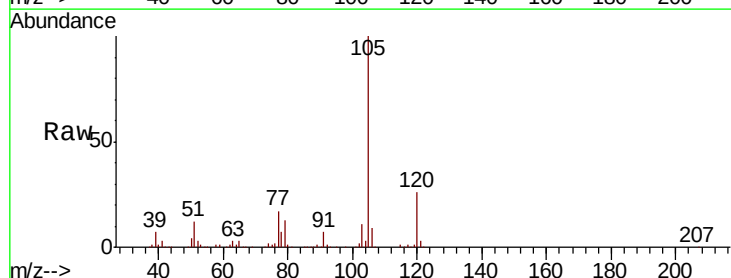
Acq: 4 May 2020 15:17

Tgt Ion:105 Resp: 318677

Ion Ratio Lower Upper

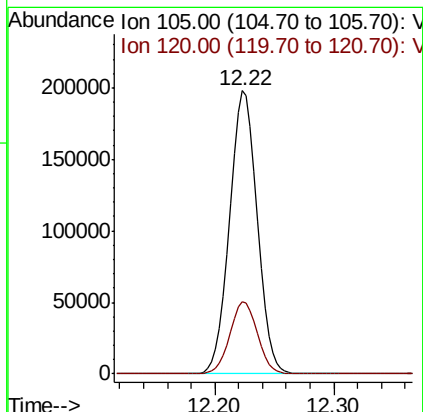
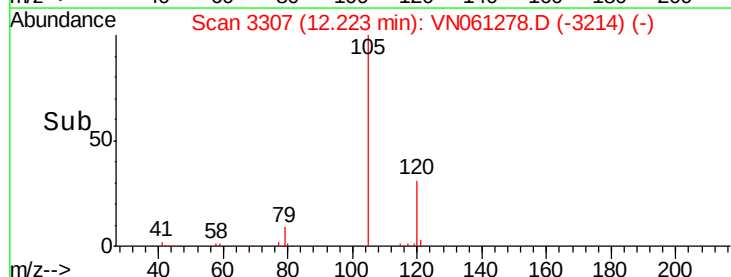
105 100

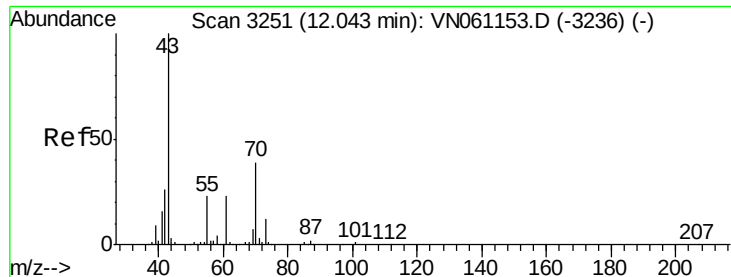
120 25.5 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

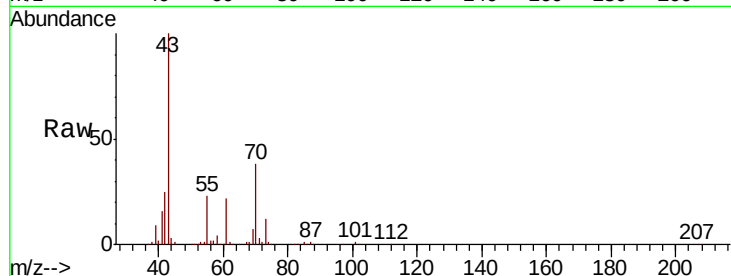




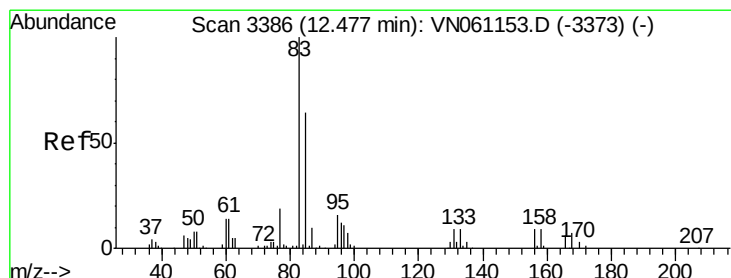
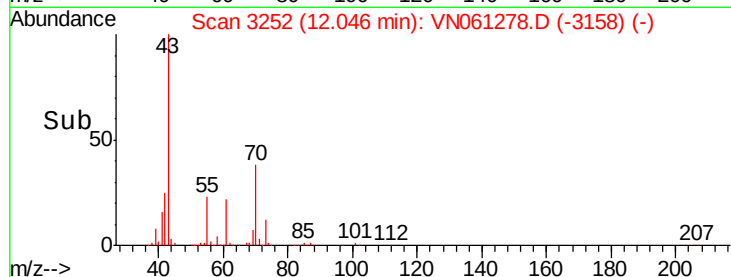
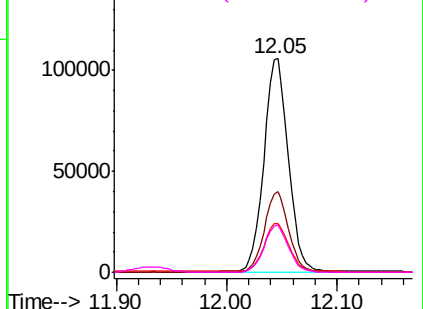
#74
N-amyl acetate
Concen: 53.055 ug/l
RT: 12.05 min Scan# 3252
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 162403
Ion Ratio Lower Upper
43 100
70 37.5 30.6 46.0
55 23.2 18.5 27.7
61 21.9 17.9 26.9

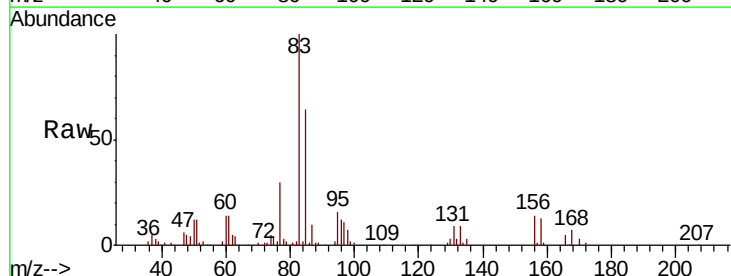


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 70.00 (69.70 to 70.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 61.00 (60.70 to 61.70): VN0

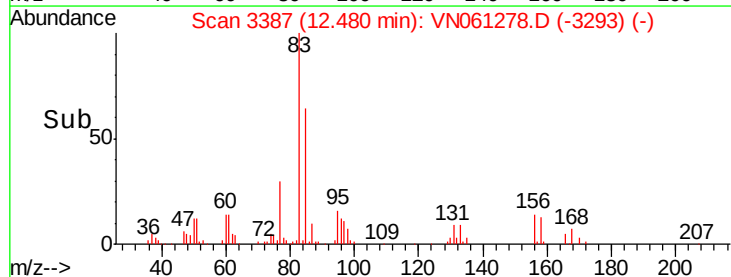
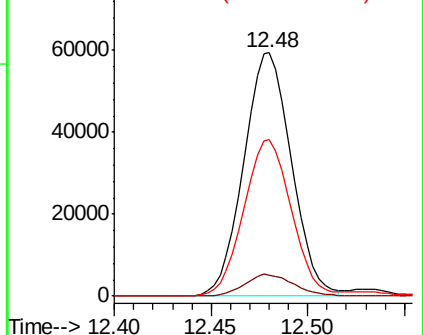


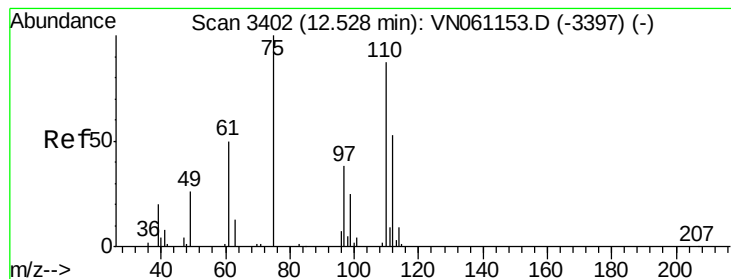
#75
1,1,2,2-Tetrachloroethane
Concen: 54.140 ug/l
RT: 12.48 min Scan# 3387
Delta R.T. 0.00 min
Lab File: VN061278.D
Acq: 4 May 2020 15:17

Tgt Ion: 83 Resp: 102047
Ion Ratio Lower Upper
83 100
131 9.2 4.8 14.3
85 64.1 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 80.615 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

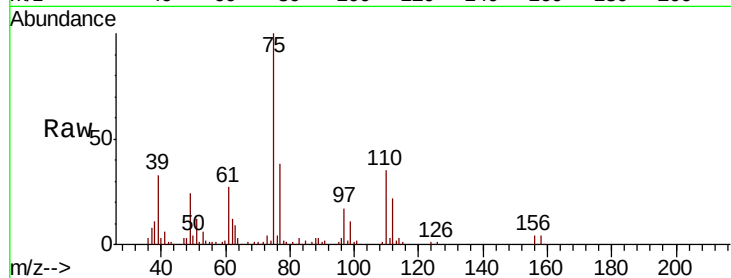
ClientSampled :

Tot Ion: 75 Resp: 139751

Ion Ratio Lower Upper

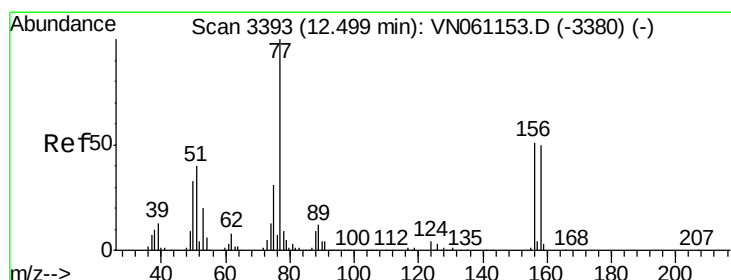
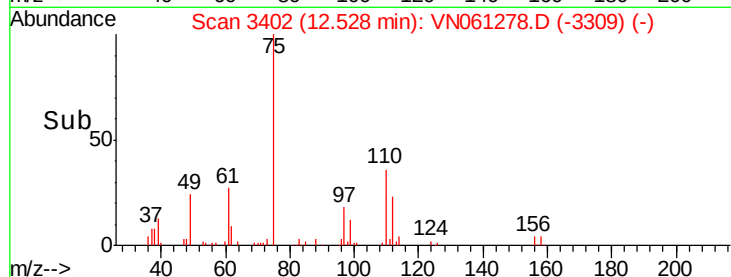
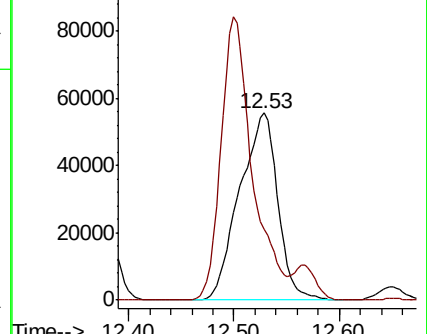
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061278.D (-3397) (-)

Ion 77.00 (76.70 to 77.70): VN061278.D (-3397) (-)



#77

Bromobenzene

Concen: 51.679 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

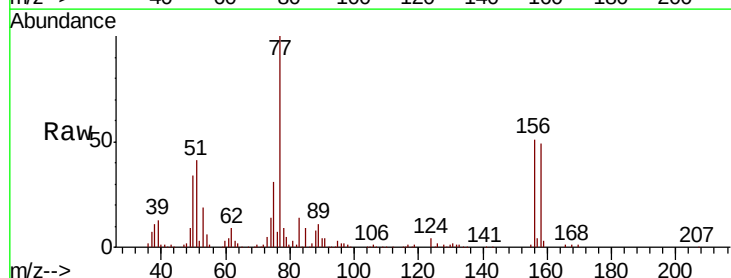
Tgt Ion: 156 Resp: 72114

Ion Ratio Lower Upper

156 100

77 240.4 117.4 352.2

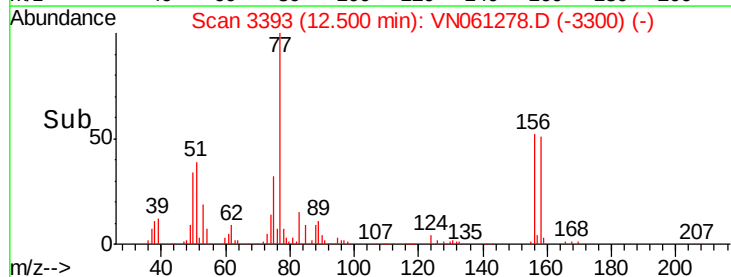
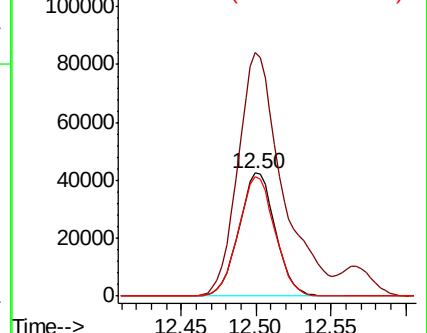
158 96.9 48.4 145.0

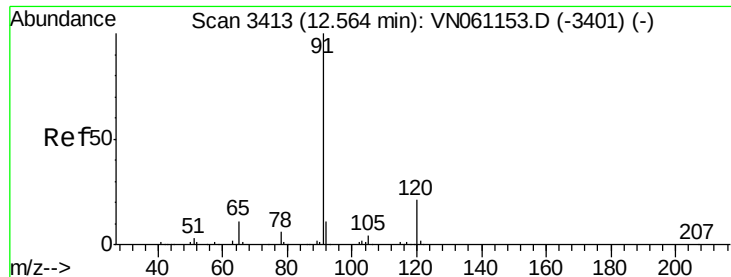


Abundance Ion 155.80 (155.50 to 156.50): VN061278.D (-3300) (-)

Ion 77.00 (76.70 to 77.70): VN061278.D (-3300) (-)

Ion 157.80 (157.50 to 158.50): VN061278.D (-3300) (-)





#78

n-propylbenzene

Concen: 53.193 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

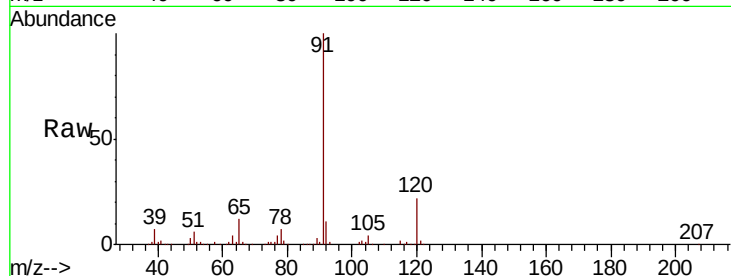
ClientSampled :

Tot Ion: 91 Resp: 381391

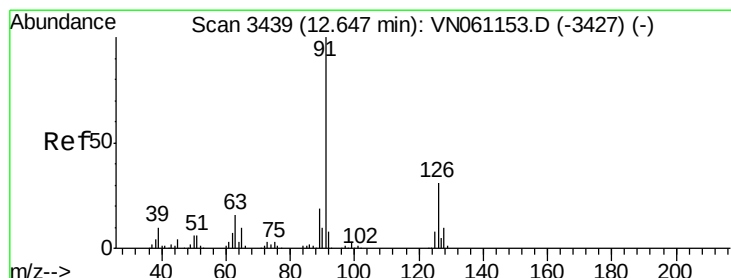
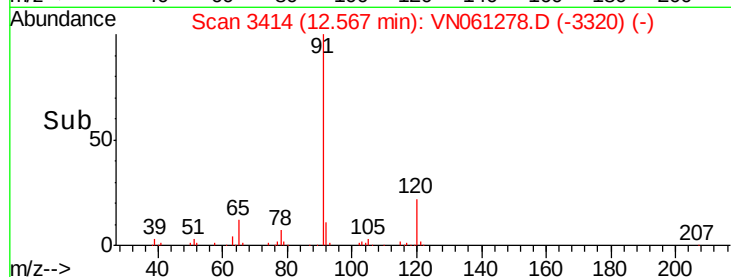
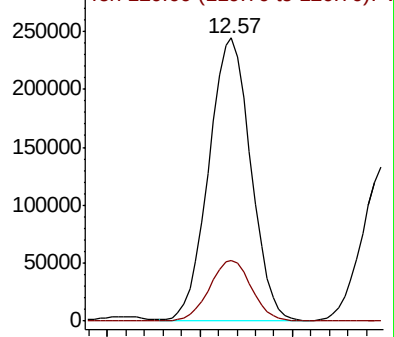
Ion Ratio Lower Upper

91 100

120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3401) (-)



#79

2-Chlorotoluene

Concen: 52.569 ug/l

RT: 12.65 min Scan# 3440

Delta R.T. 0.00 min

Lab File: VN061278.D

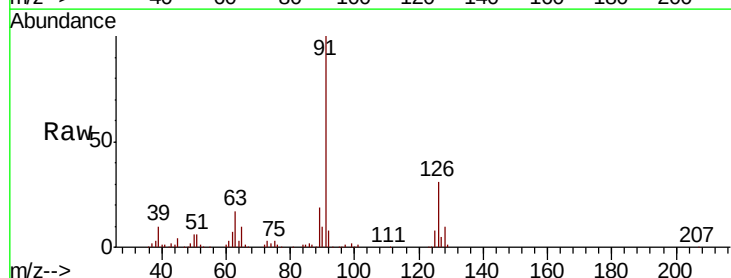
Acq: 4 May 2020 15:17

Tgt Ion: 91 Resp: 221540

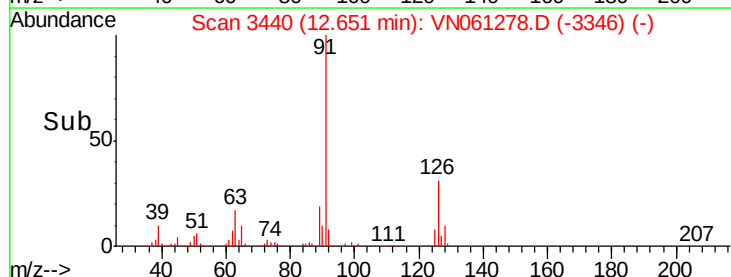
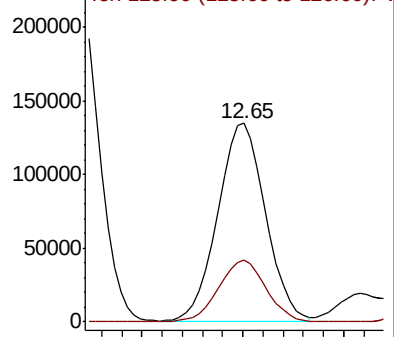
Ion Ratio Lower Upper

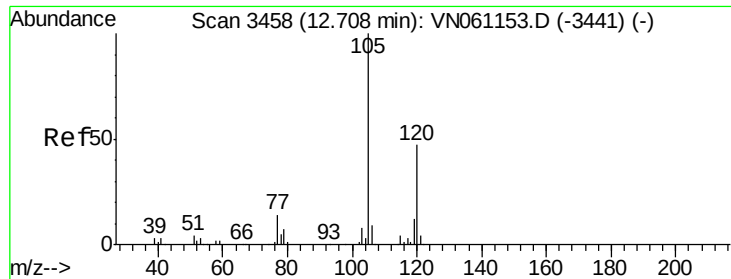
91 100

126 31.2 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3427) (-)

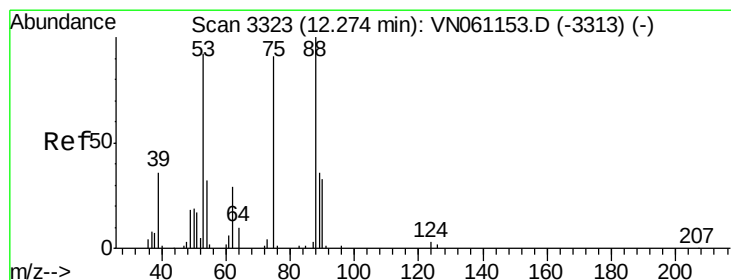
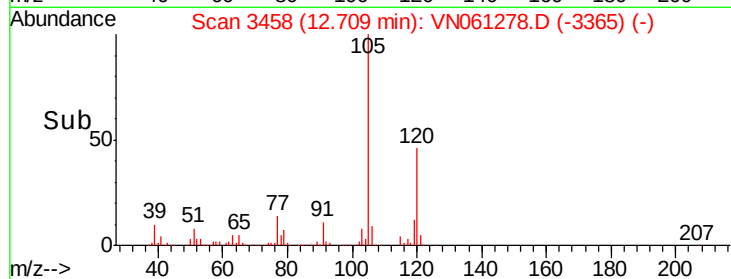
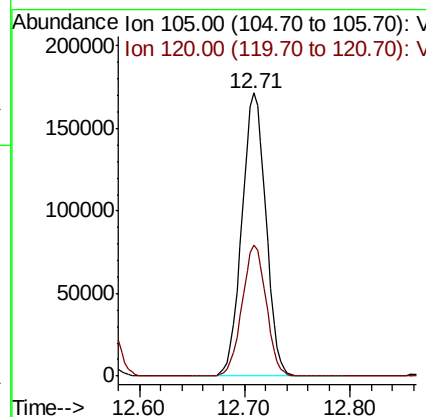
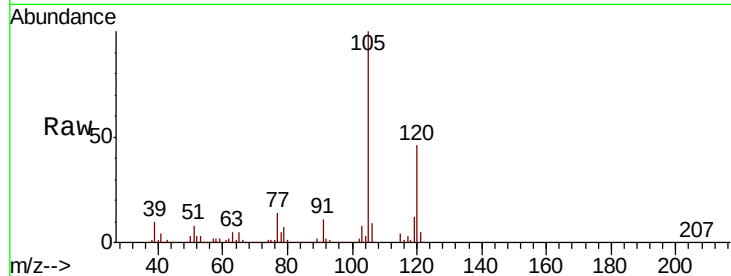




#80
 1,3,5-Trimethylbenzene
 Concen: 54.028 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061278.D
 Acq: 4 May 2020 15:17

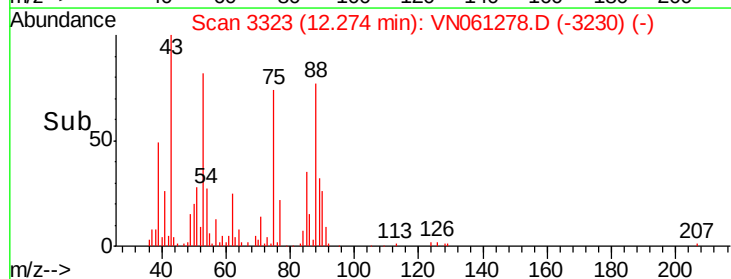
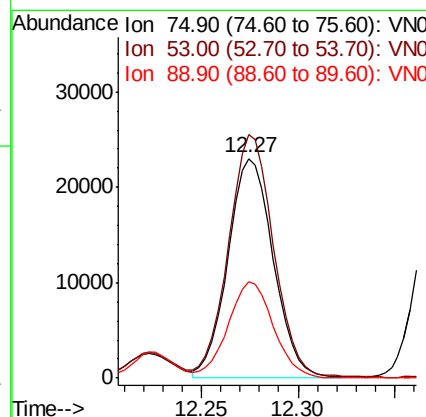
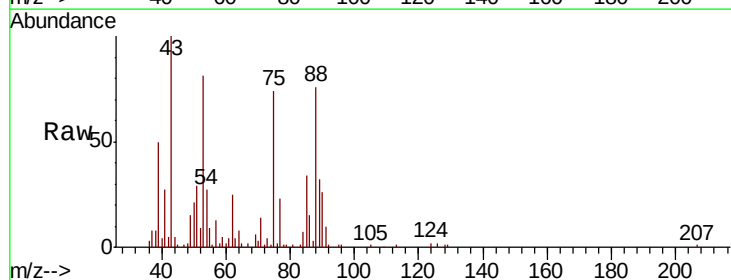
Instrument :
 MSVOA_N
 ClientSampled :

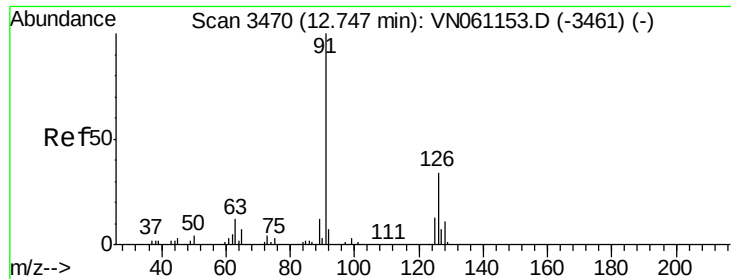
Tot Ion:105 Resp: 270307
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.064 ug/l
 RT: 12.27 min Scan# 3323
 Delta R.T. 0.00 min
 Lab File: VN061278.D
 Acq: 4 May 2020 15:17

Tgt Ion: 75 Resp: 37589
 Ion Ratio Lower Upper
 75 100
 53 109.0 84.1 126.1
 89 43.7 35.2 52.8





#82

4-Chlorotoluene

Concen: 53.436 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

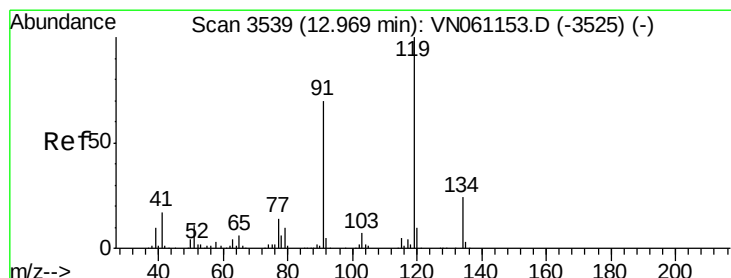
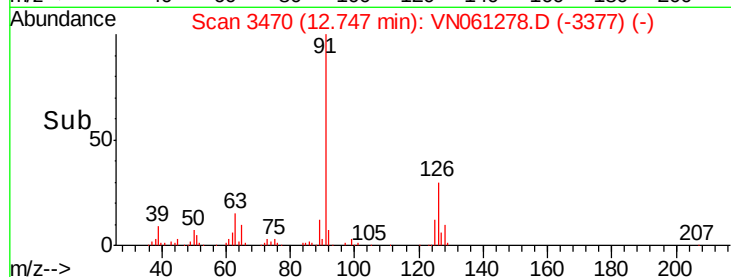
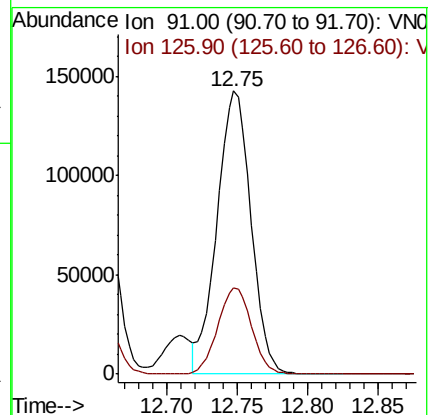
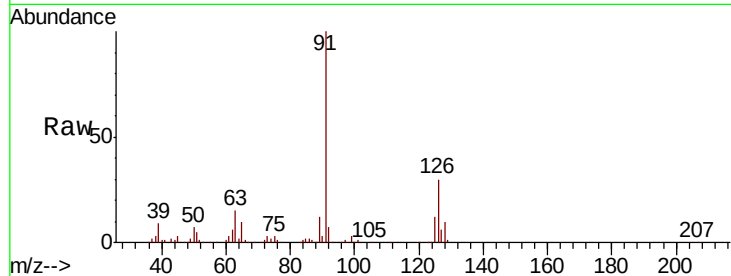
ClientSampled :

Tot Ion: 91 Resp: 237349

Ion Ratio Lower Upper

91 100

126 30.5 15.7 47.1



#83

tert-Butylbenzene

Concen: 55.153 ug/l

RT: 12.97 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

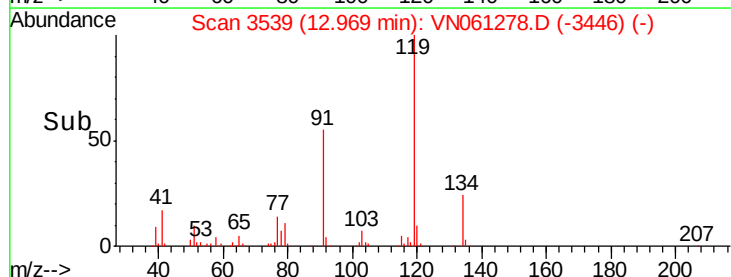
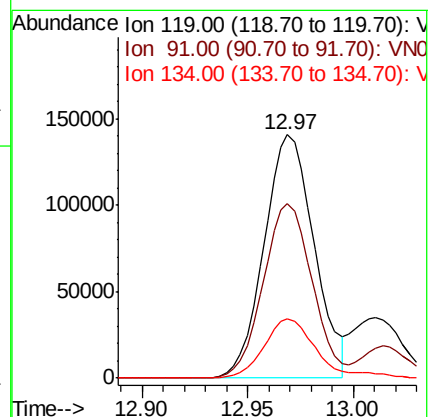
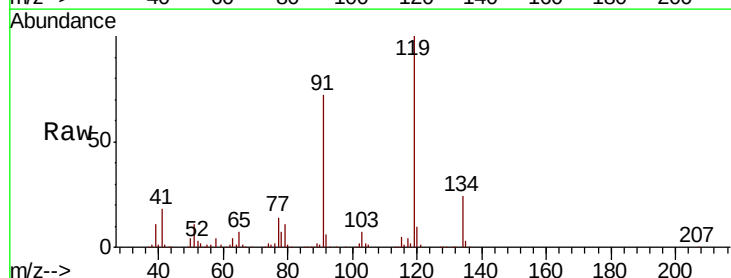
Tgt Ion: 119 Resp: 232672

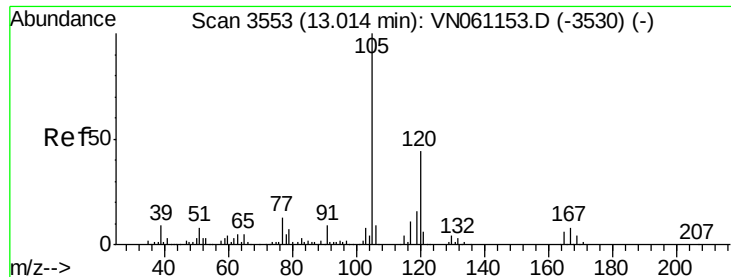
Ion Ratio Lower Upper

119 100

91 70.3 34.8 104.4

134 25.6 12.9 38.7

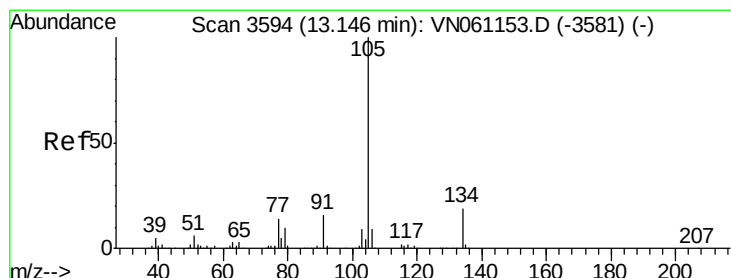
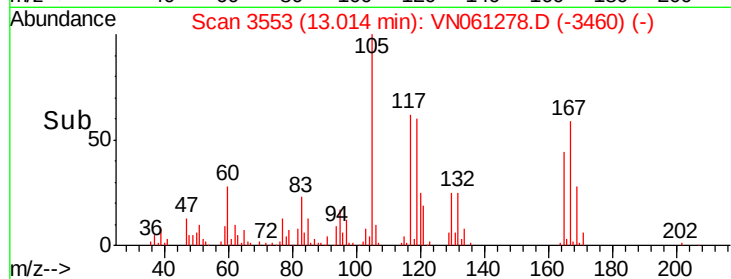
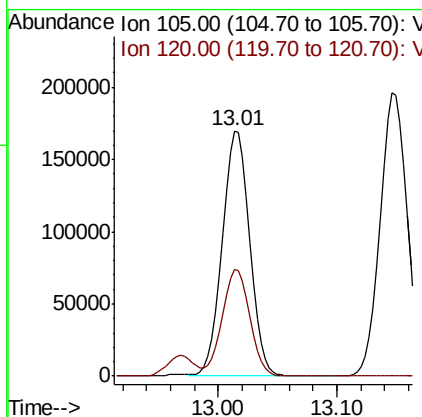
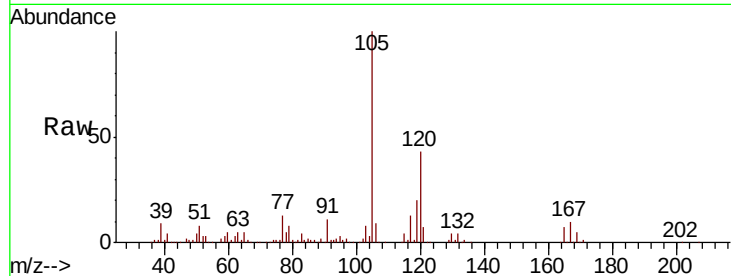




#84
 1,2,4-Trimethylbenzene
 Concen: 52.709 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061278.D
 Acq: 4 May 2020 15:17

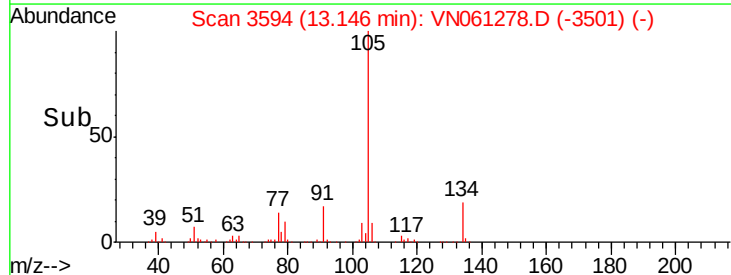
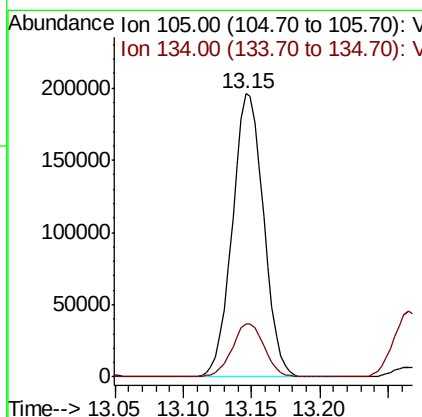
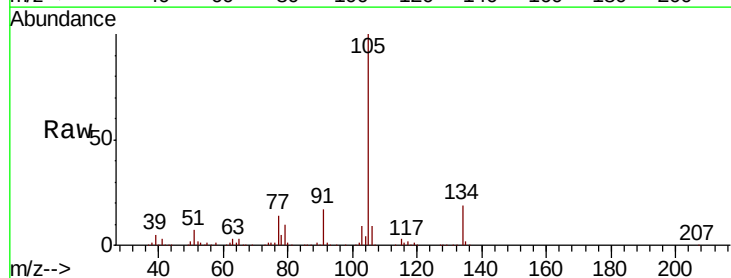
Instrument :
 MSVOA_N
 ClientSampleId :

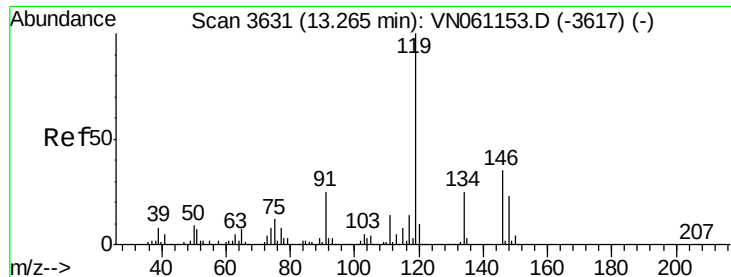
Tot Ion:105 Resp: 271693
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.2 66.6



#85
 sec-Butylbenzene
 Concen: 54.266 ug/l
 RT: 13.15 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VN061278.D
 Acq: 4 May 2020 15:17

Tgt Ion:105 Resp: 312120
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.6 28.8

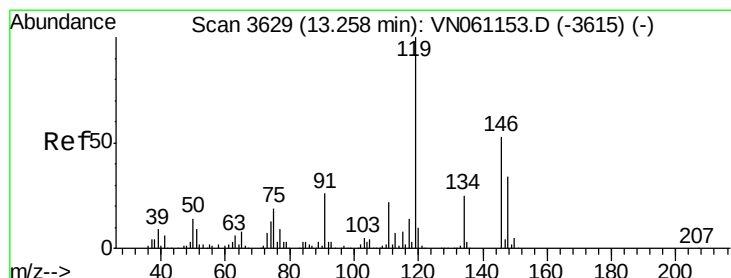
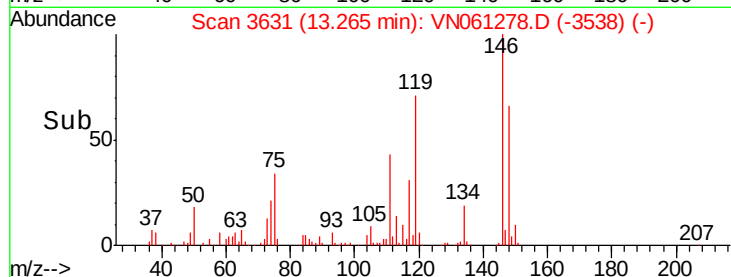
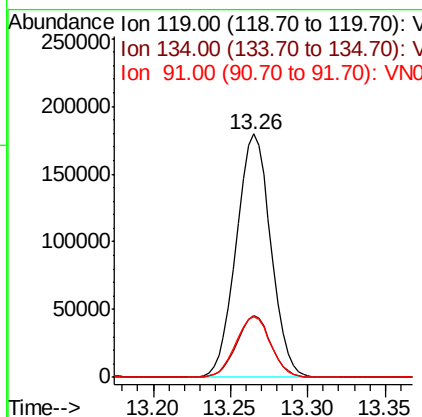
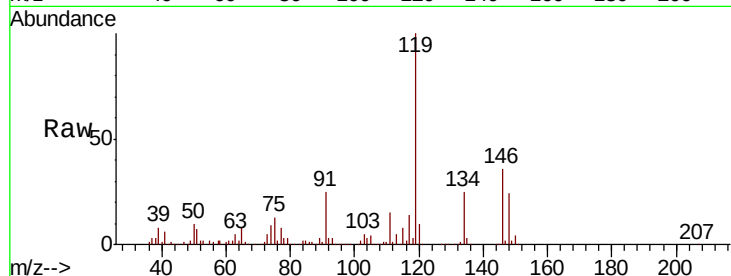




#86
 p-Isopropyltoluene
 Concen: 53.630 ug/l
 RT: 13.26 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VN061278.D
 Acq: 4 May 2020 15:17

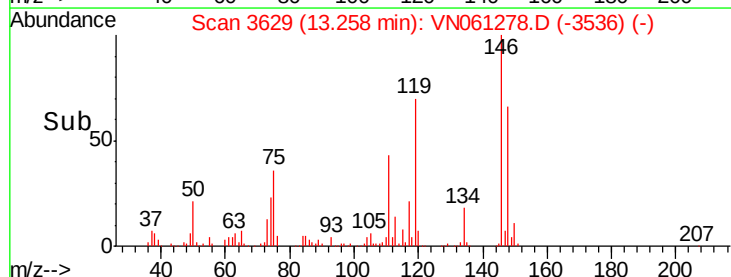
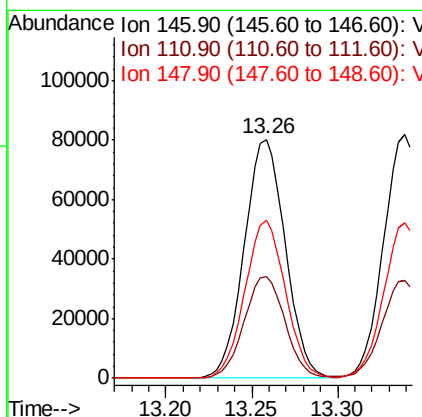
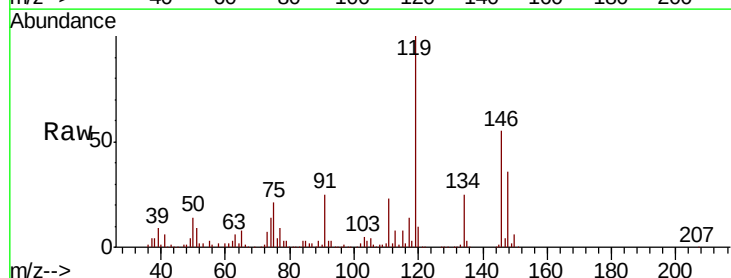
Instrument :
 MSVOA_N
 ClientSampled :

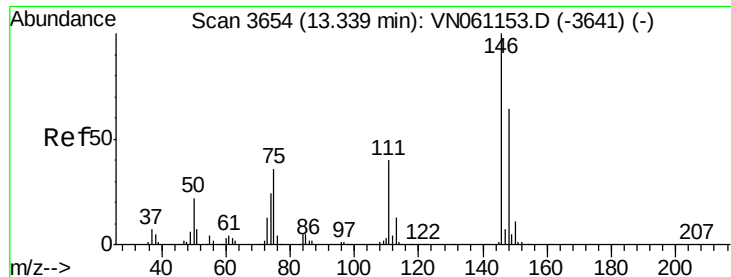
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.6
91	25.5	12.7	38.0



#87
 1,3-Dichlorobenzene
 Concen: 51.521 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061278.D
 Acq: 4 May 2020 15:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.7	62.1
148	65.4	31.8	95.3





#88

1,4-Dichlorobenzene

Concen: 51.019 ug/l

RT: 13.34 min Scan# 3654

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

ClientSampled :

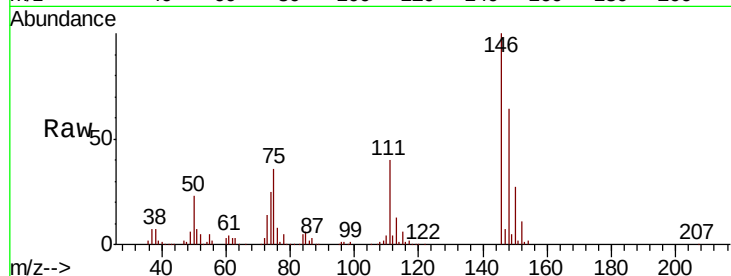
Tot Ion:146 Resp: 133910

Ion Ratio Lower Upper

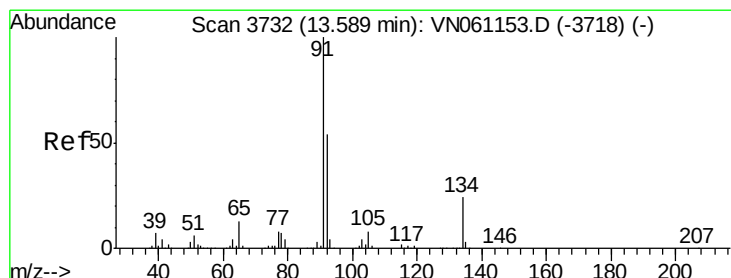
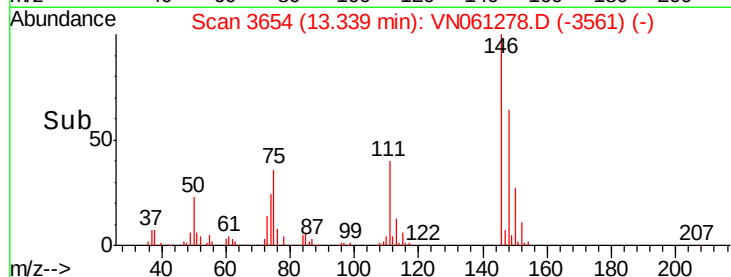
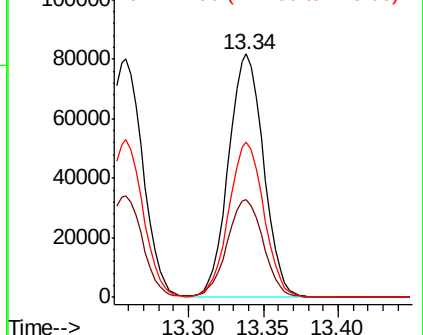
146 100

111 41.5 20.4 61.3

148 63.9 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 55.932 ug/l

RT: 13.59 min Scan# 3732

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

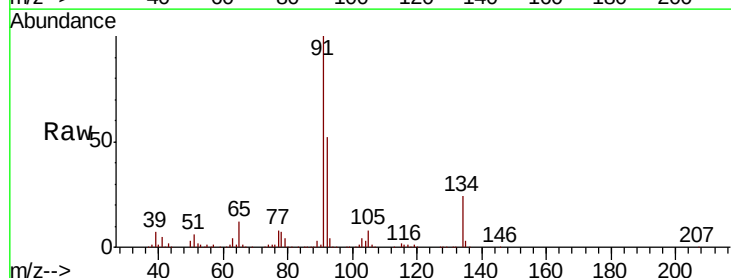
Tgt Ion: 91 Resp: 265717

Ion Ratio Lower Upper

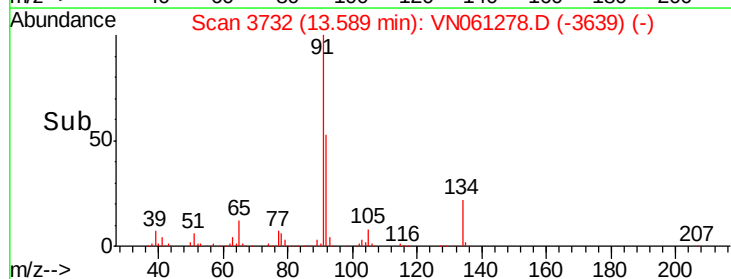
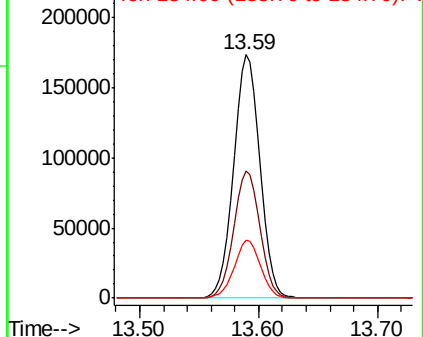
91 100

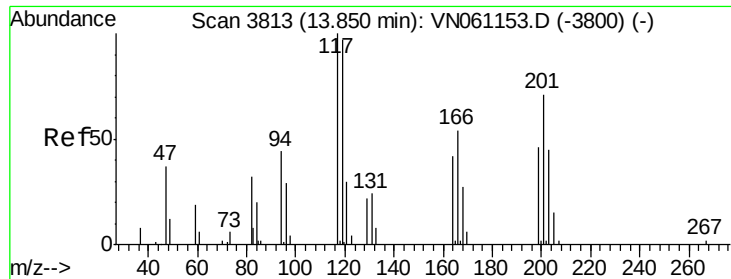
92 52.1 26.8 80.3

134 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 57.485 ug/l

RT: 13.85 min Scan# 3813

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

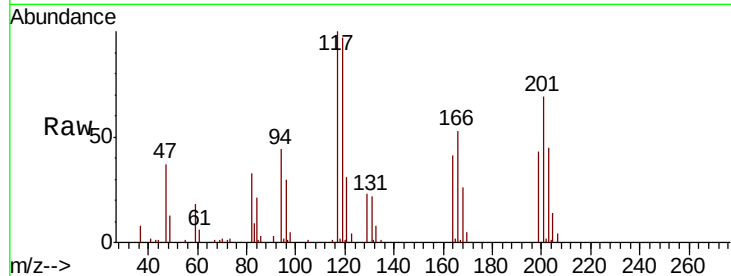
ClientSampled :

Tot Ion:117 Resp: 31800

Ion Ratio Lower Upper

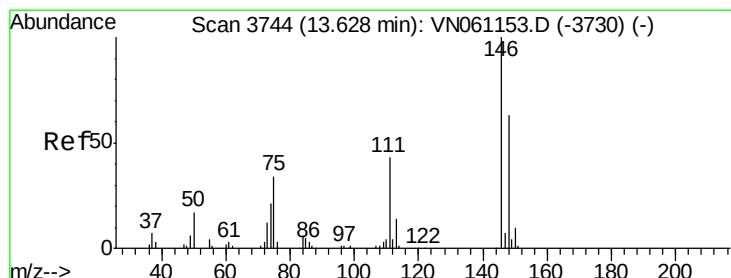
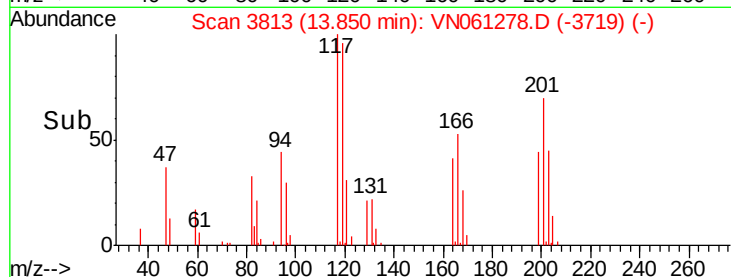
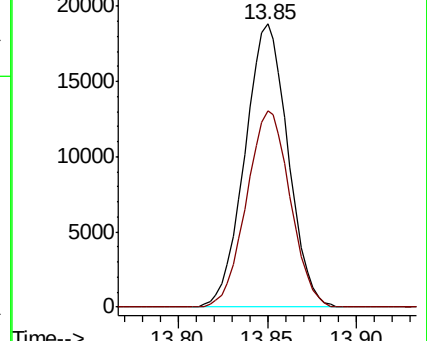
117 100

201 70.2 35.5 106.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 52.114 ug/l

RT: 13.63 min Scan# 3744

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

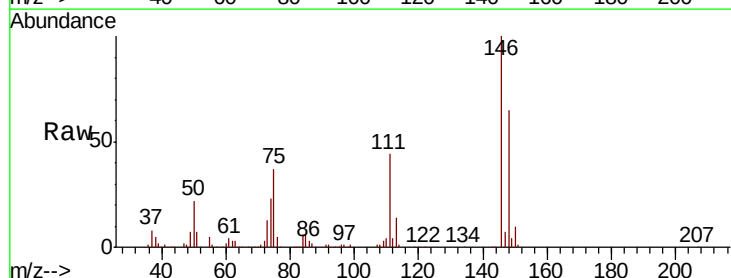
Tgt Ion:146 Resp: 128364

Ion Ratio Lower Upper

146 100

111 43.9 21.8 65.3

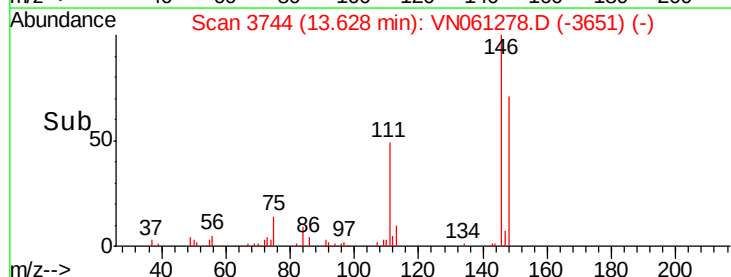
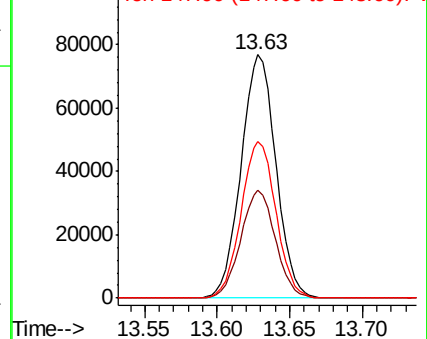
148 64.2 31.6 95.0

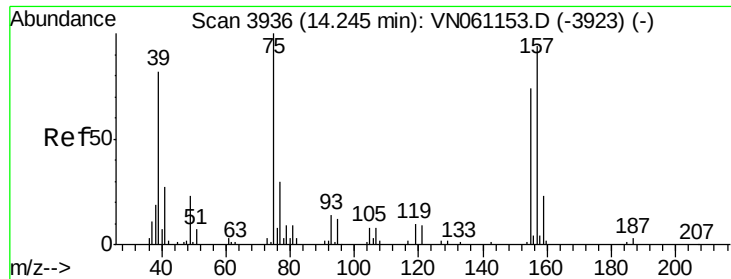


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 53.943 ug/l

RT: 14.24 min Scan# 3935

Delta R.T. -0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

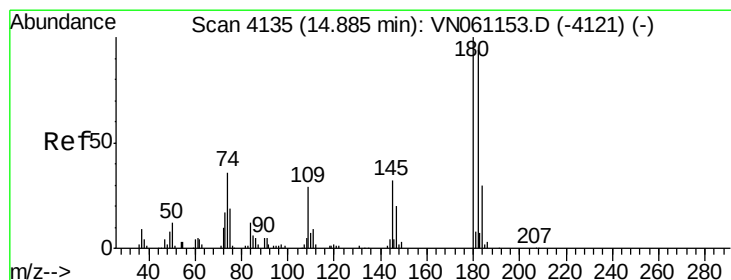
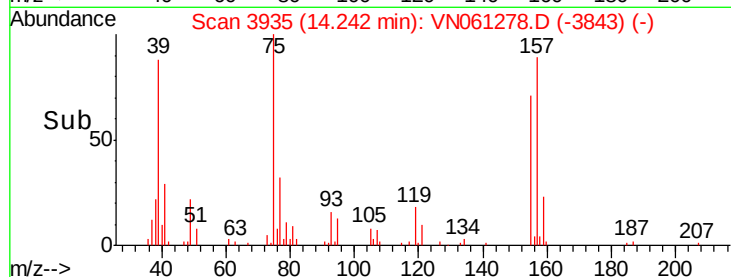
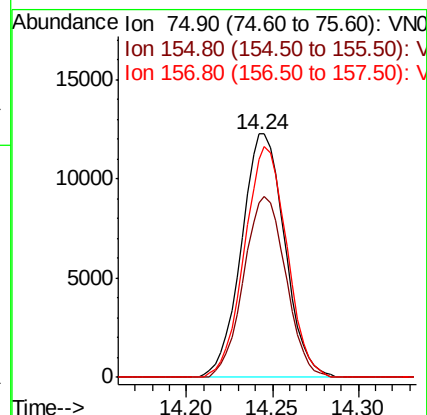
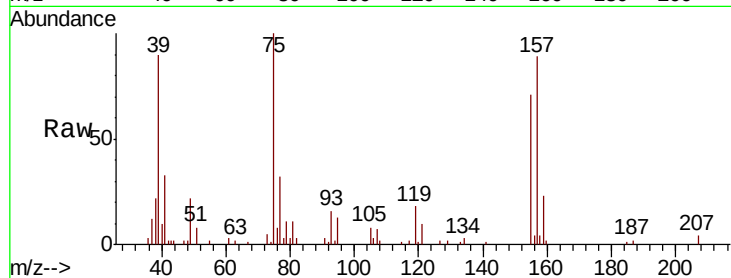
Tot Ion: 75 Resp: 21474

Ion Ratio Lower Upper

75 100

155 72.1 36.5 109.7

157 92.2 46.6 139.7



#93

1,2,4-Trichlorobenzene

Concen: 52.090 ug/l

RT: 14.89 min Scan# 4135

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

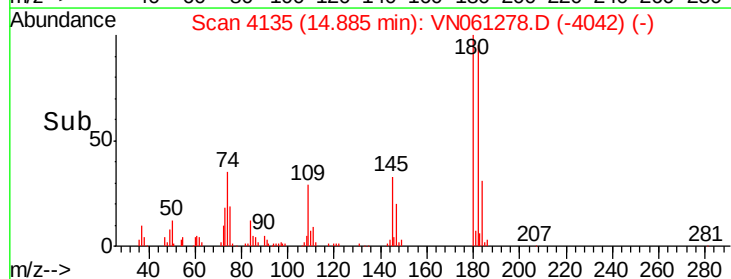
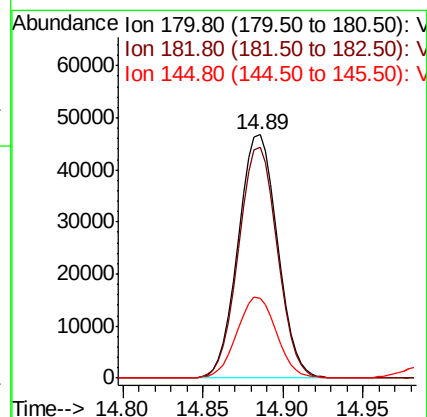
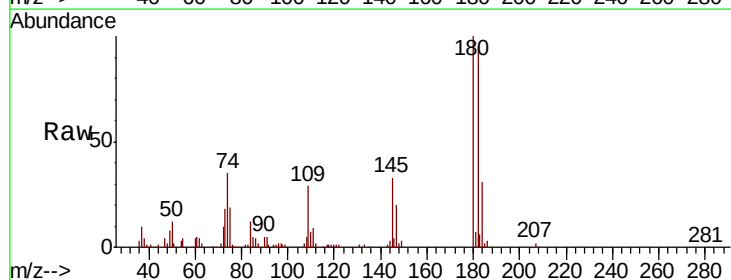
Tgt Ion: 180 Resp: 78131

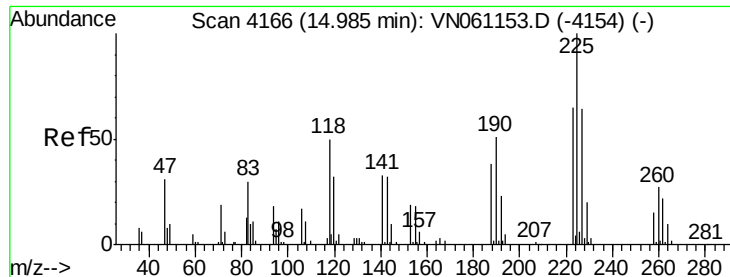
Ion Ratio Lower Upper

180 100

182 93.9 47.3 141.9

145 33.6 16.0 47.9





#94

Hexachlorobutadiene

Concen: 54.180 ug/l

RT: 14.98 min Scan# 4166

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

ClientSampled :

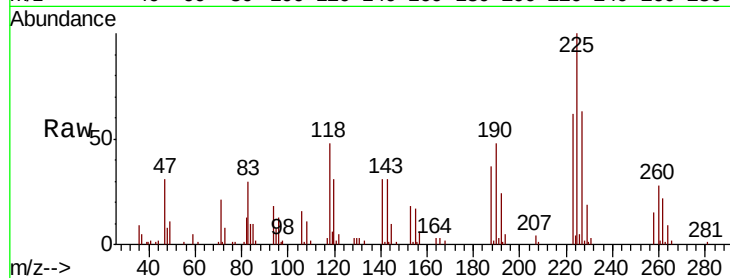
Tot Ion:225 Resp: 33950

Ion Ratio Lower Upper

225 100

223 63.9 32.4 97.0

227 63.2 32.4 97.0

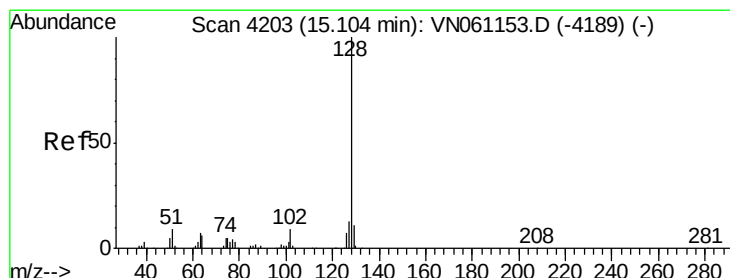
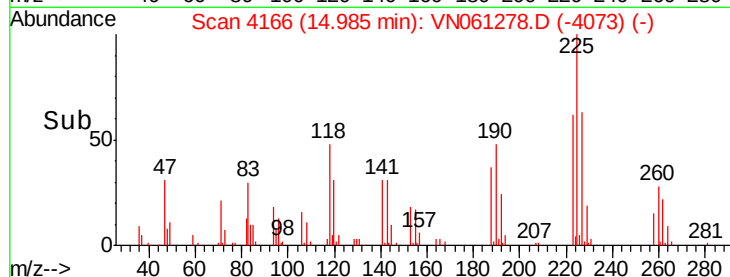
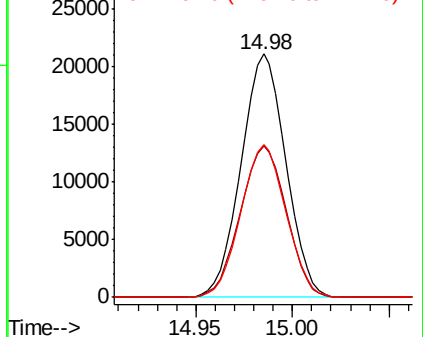


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 50.860 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

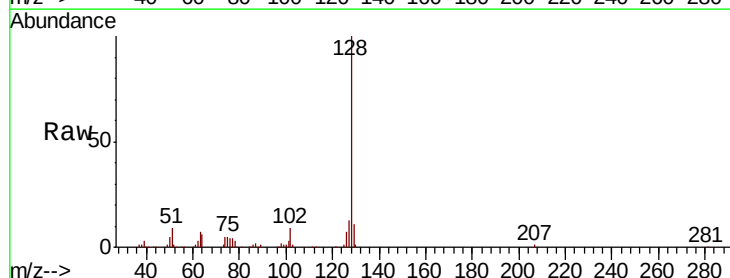
Tgt Ion:128 Resp: 248443

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 10.9 8.7 13.1

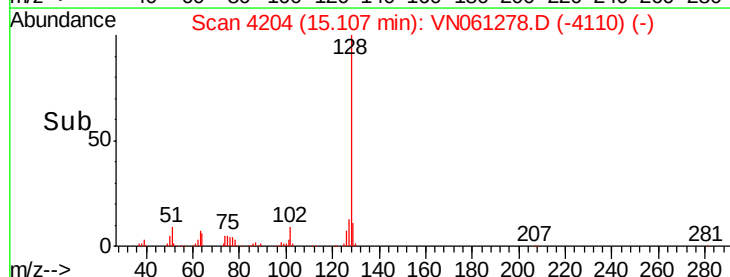
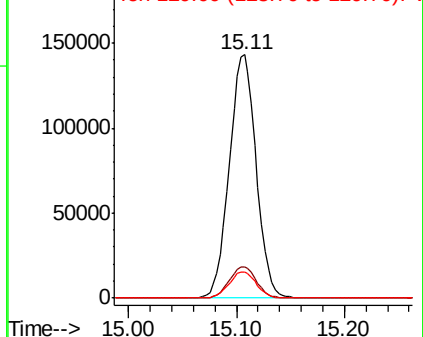


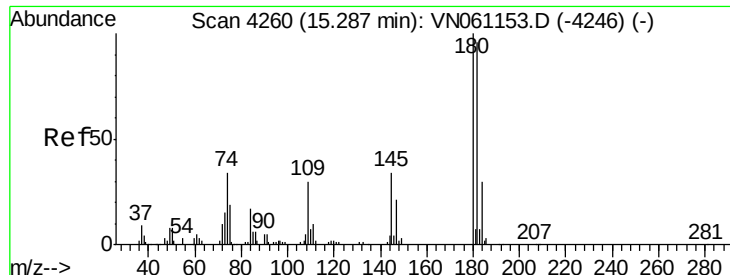
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 50.888 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN061278.D

Acq: 4 May 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

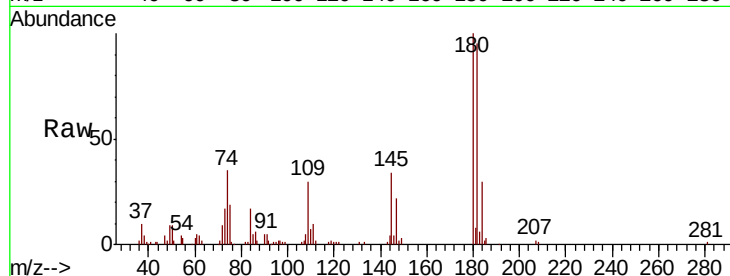
Tot Ion:180 Resp: 75359

Ion Ratio Lower Upper

180 100

182 94.9 47.5 142.5

145 34.7 16.9 50.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

