

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110720\
 Data File : VV0192287.D
 Acq On : 05 Nov 2020 18:43
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 05 22:41:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 05 22:32:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	233181	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	230873	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	126787	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	93686	50.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.12%
7) Chloroethane-d5	1.58	69	77412	53.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.54%
11) 1,1-Dichloroethene-d2	2.12	63	181484	51.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.96%
21) 2-Butanone-d5	3.90	46	140047	123.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	123.39%
24) Chloroform-d	4.37	84	181341	52.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.22%
26) 1,2-Dichloroethane-d4	5.05	65	129162	53.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.54%
32) Benzene-d6	5.07	84	335933	51.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.58%
36) 1,2-Dichloropropane-d6	6.09	67	105422	53.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.98%
41) Toluene-d8	7.34	98	307764	48.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.84%
43) trans-1,3-Dichloropropene-	7.64	79	55641	49.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.48%
47) 2-Hexanone-d5	8.11	63	98401	116.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.36%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	146119	55.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	131733	49.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.90%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	96494	47.128	ug/L	99
3) Chloromethane	1.25	50	103417	55.620	ug/L	99
5) Vinyl chloride	1.32	62	99940	52.501	ug/L	98
6) Bromomethane	1.53	94	65941	51.714	ug/L	98
8) Chloroethane	1.59	64	66314	56.027	ug/L	100
9) Trichlorofluoromethane	1.76	101	155615	49.048	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	77361	50.667	ug/L	96
12) 1,1-Dichloroethene	2.13	96	76163	50.934	ug/L	96
13) Acetone	2.18	43	93901	89.055	ug/L	98
14) Carbon disulfide	2.31	76	220648	46.423	ug/L	100
15) Methyl Acetate	2.44	43	98910	58.208	ug/L	98
16) Methylene chloride	2.52	84	90134	53.083	ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	81221	50.571	ug/L	98
18) Methyl tert-butyl Ether	2.78	73	286080	53.195	ug/L	98
19) 1,1-Dichloroethane	3.21	63	161233	53.884	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	89107	50.553	ug/L	93
22) 2-Butanone	3.99	43	130607	113.721	ug/L	99

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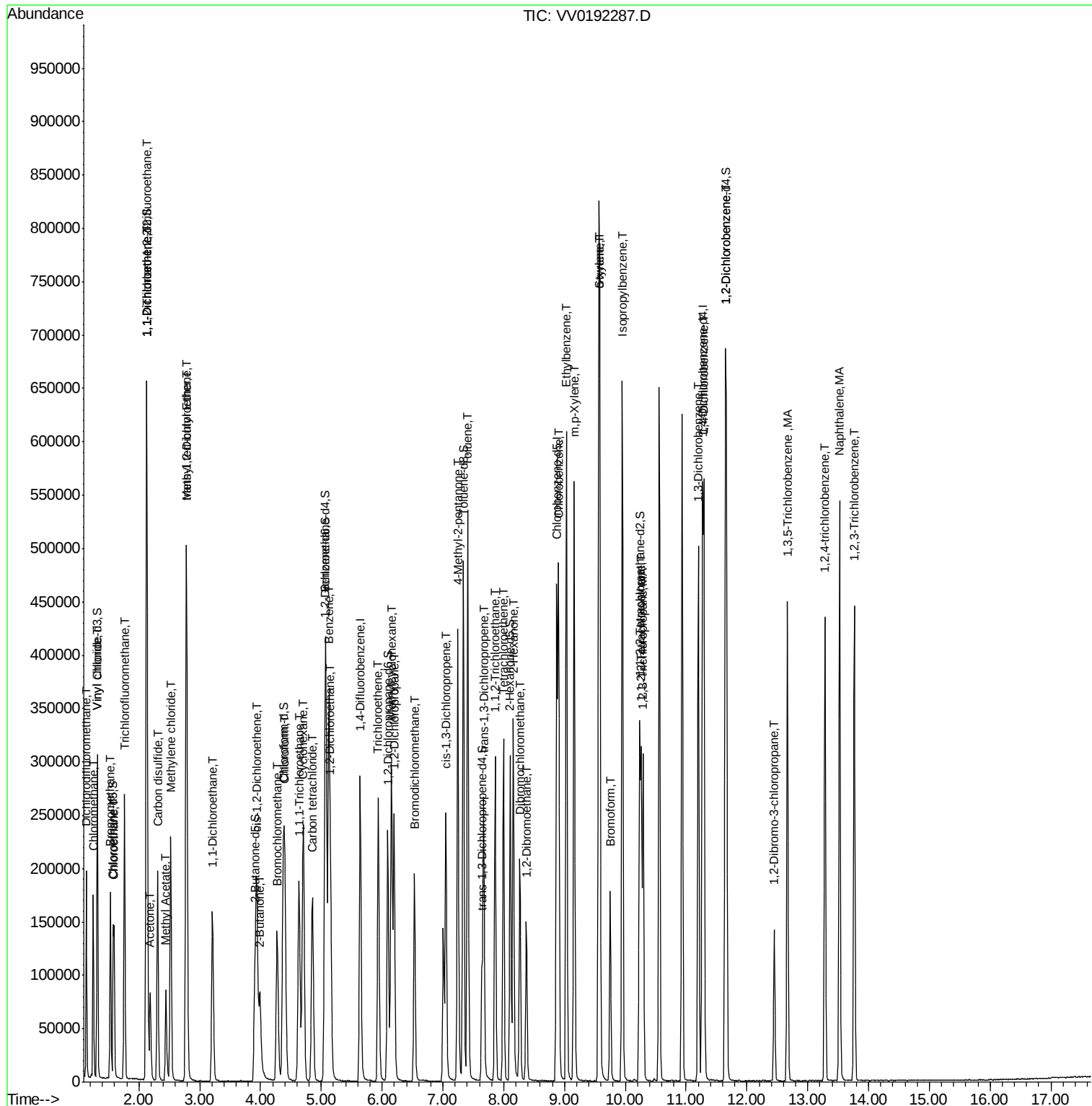
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	48101	50.854	ug/L	94
25) Chloroform	4.40	83	168004	51.958	ug/L	99
27) 1,2-Dichloroethane	5.15	62	144021	52.318	ug/L	99
29) Cyclohexane	4.70	56	126166	48.950	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	150102	47.977	ug/L	98
31) Carbon tetrachloride	4.85	117	129586	46.710	ug/L	100
33) Benzene	5.12	78	340956	51.221	ug/L	100
34) Trichloroethene	5.94	95	90335	49.538	ug/L	96
35) Methylcyclohexane	6.15	83	115923	47.089	ug/L	97
37) 1,2-Dichloropropane	6.20	63	90342	54.650	ug/L	100
38) Bromodichloromethane	6.53	83	125905	51.198	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	142846	52.315	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	268106	117.565	ug/L	99
42) Toluene	7.41	91	369698	50.662	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	143473	50.511	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	88150	53.168	ug/L	99
46) Tetrachloroethene	8.00	164	70563	45.316	ug/L	99
48) 2-Hexanone	8.16	43	208666	115.119	ug/L	99
49) Dibromochloromethane	8.27	129	102083	50.853	ug/L	99
50) 1,2-Dibromoethane	8.37	107	93867	53.065	ug/L	99
51) Chlorobenzene	8.90	112	235623	49.249	ug/L	98
52) Ethylbenzene	9.03	91	403009	50.120	ug/L	98
53) m,p-Xylene	9.16	106	151514	49.888	ug/L	99
54) o-xylene	9.56	106	145427	49.873	ug/L	97
55) Styrene	9.58	104	264695	51.217	ug/L	97
56) Isopropylbenzene	9.95	105	391927	50.014	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	135920	53.839	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	118296	54.740	ug/L	98
61) Bromoform	9.75	173	77027	49.251	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	195348	48.847	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	198525	47.766	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	197859	49.943	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	34358	50.685	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	137373	46.663	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	128296	46.514	ug/L	99
69) Naphthalene	13.52	128	398520	51.584	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	132741	49.178	ug/L	100

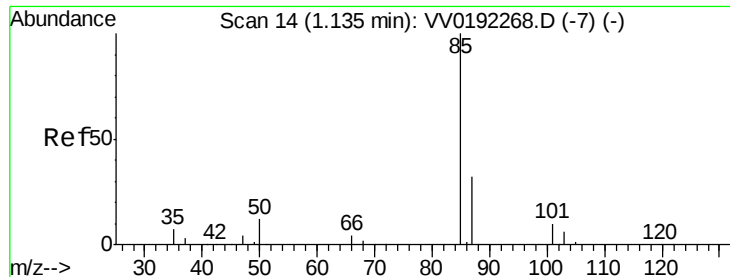
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.128 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

Instrument :

MSVOA_V

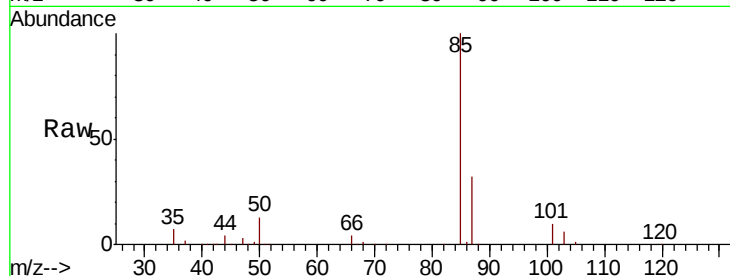
ClientSampleId :

Tot Ion: 85 Resp: 96494

Ion Ratio Lower Upper

85 100

87 32.0 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

120000

100000

80000

60000

40000

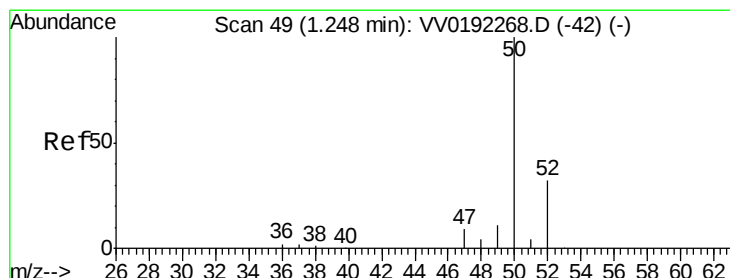
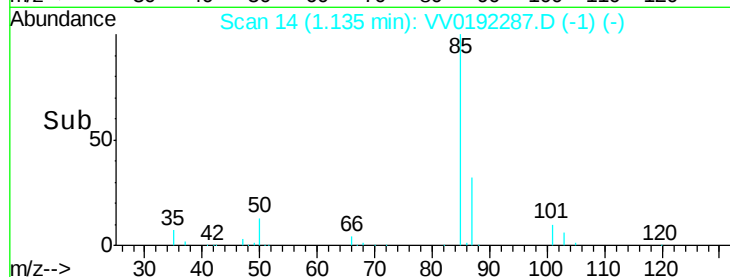
20000

0

1.14

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 55.620 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV0192287.D

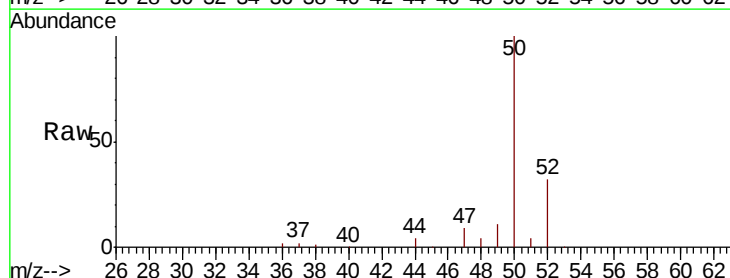
Acq: 05 Nov 2020 18:43

Tgt Ion: 50 Resp: 103417

Ion Ratio Lower Upper

50 100

52 32.1 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

120000

100000

80000

60000

40000

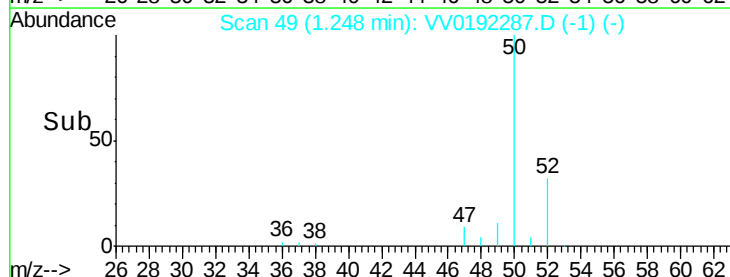
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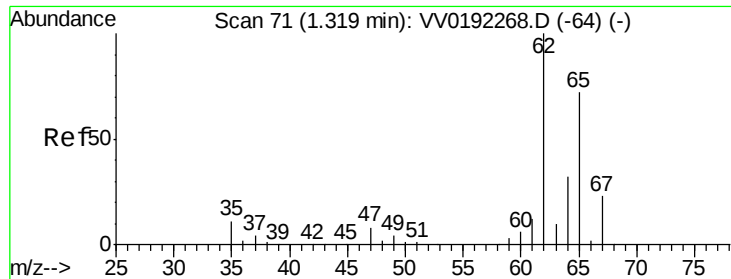
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1.25

1.20 1.25 1.30

Time-->

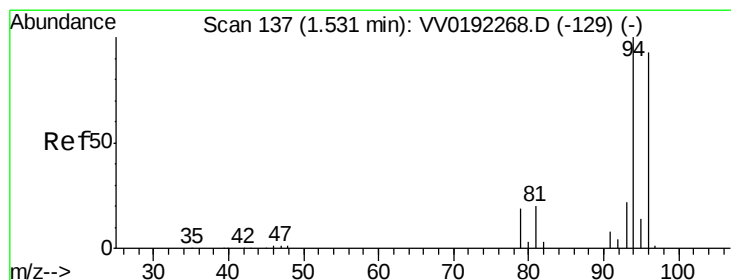
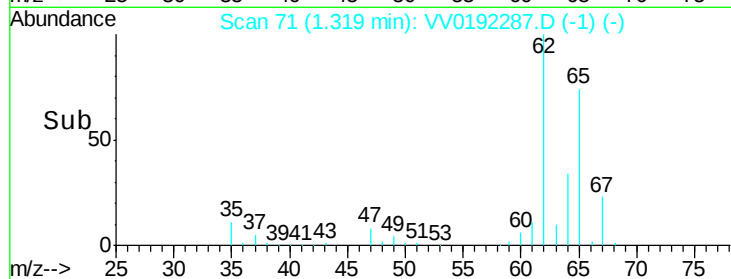
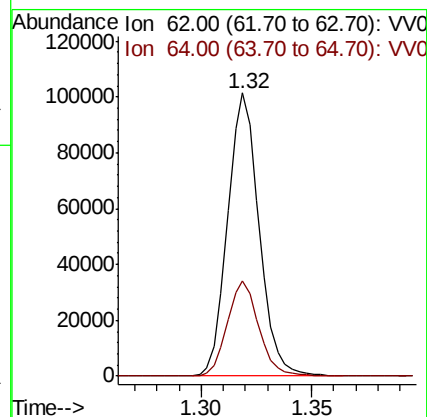
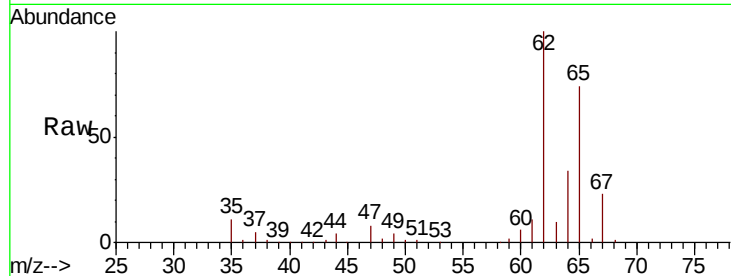




#5
 Vinyl chloride
 Concen: 52.501 ug/L
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VV0192287.D
 Acq: 05 Nov 2020 18:43

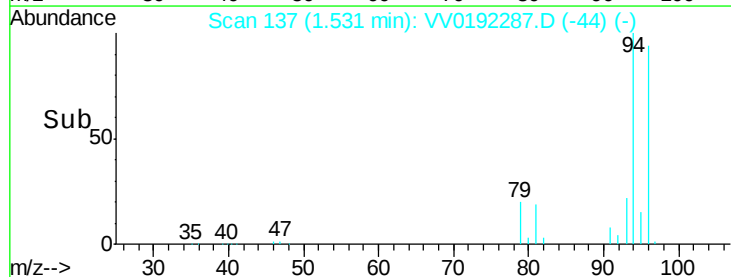
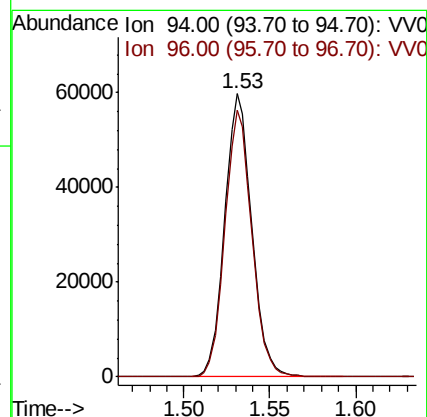
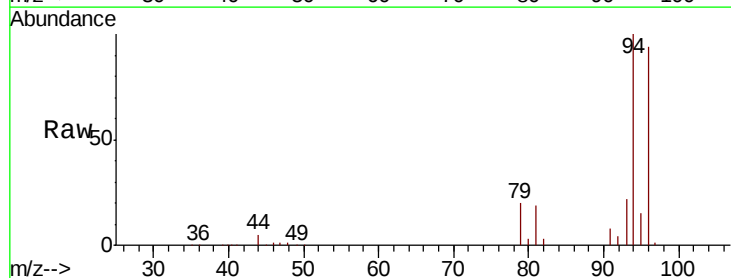
Instrument :
 MSVOA_V
 ClientSampled :

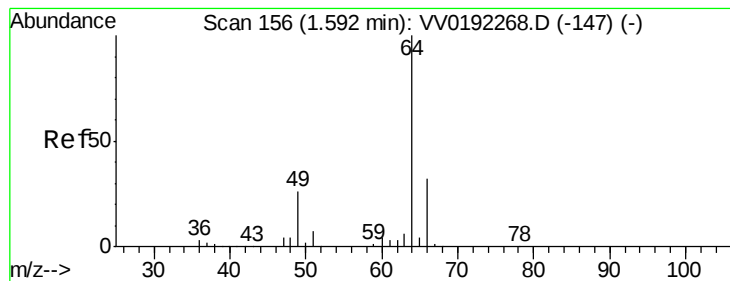
Tot Ion: 62 Resp: 99940
 Ion Ratio Lower Upper
 62 100
 64 33.6 22.7 42.3



#6
 Bromomethane
 Concen: 51.714 ug/L
 RT: 1.53 min Scan# 137
 Delta R.T. 0.00 min
 Lab File: VV0192287.D
 Acq: 05 Nov 2020 18:43

Tgt Ion: 94 Resp: 65941
 Ion Ratio Lower Upper
 94 100
 96 94.1 67.0 124.4





#8

Chloroethane

Concen: 56.027 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

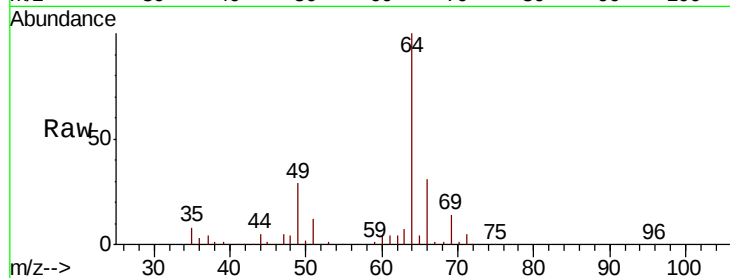
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 66314

Ion Ratio Lower Upper

64 100

66 31.3 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VV0192268.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV0192287.D (-32) (-)

1.59

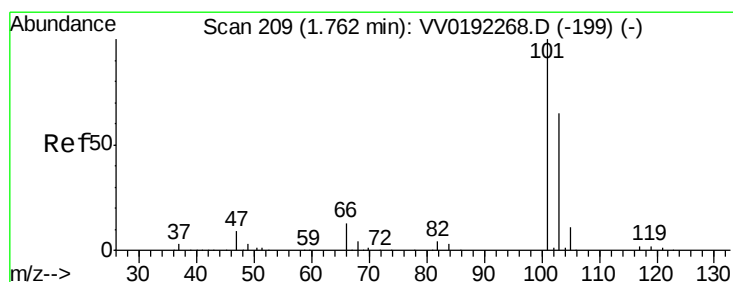
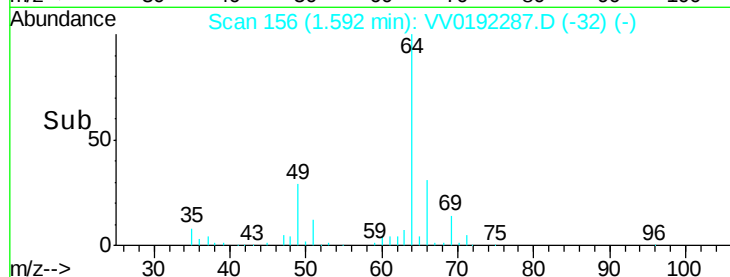
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 49.048 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV0192287.D

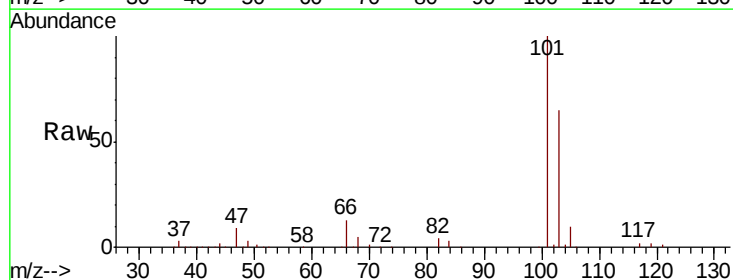
Acq: 05 Nov 2020 18:43

Tgt Ion: 101 Resp: 155615

Ion Ratio Lower Upper

101 100

103 64.1 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV0192268.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV0192287.D (-85) (-)

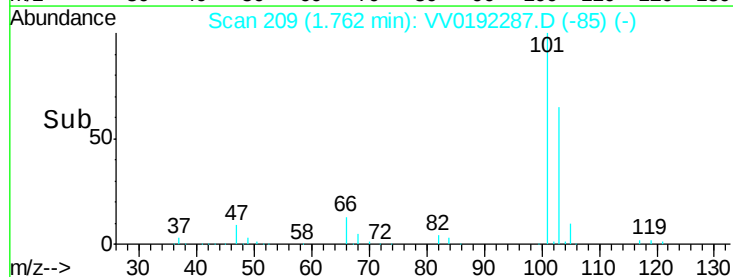
1.76

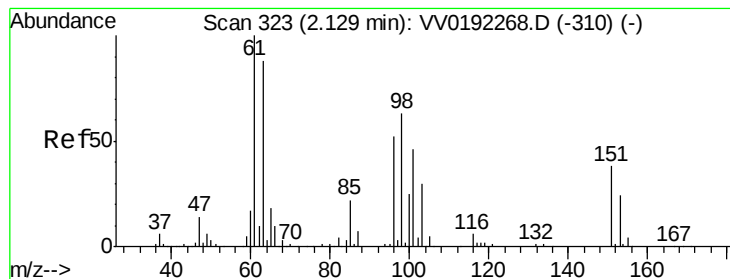
100000

50000

0

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 50.667 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

Instrument :

MSVOA_V

ClientSampled :

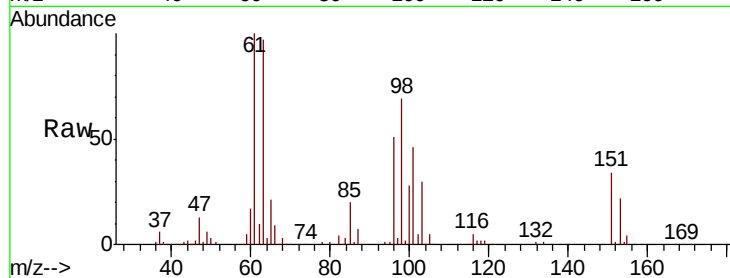
Tot Ion:101 Resp: 77361

Ion Ratio Lower Upper

101 100

85 44.5 36.1 54.1

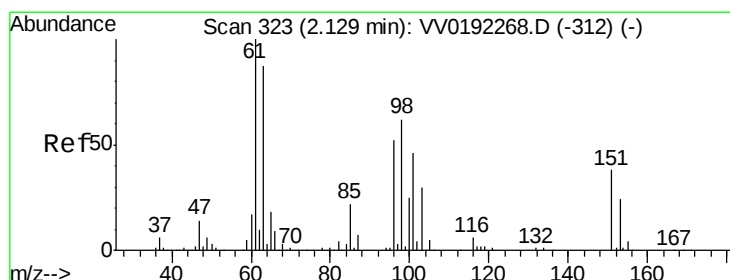
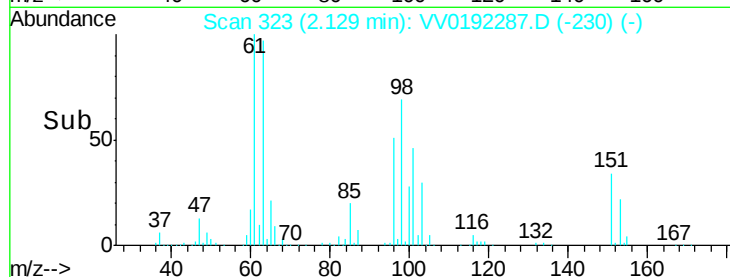
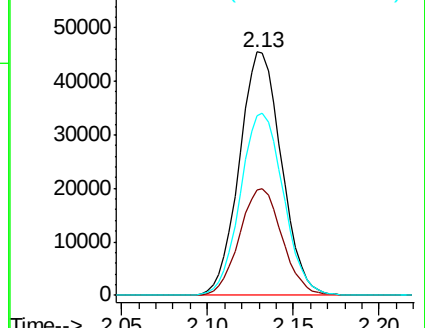
151 76.5 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.934 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

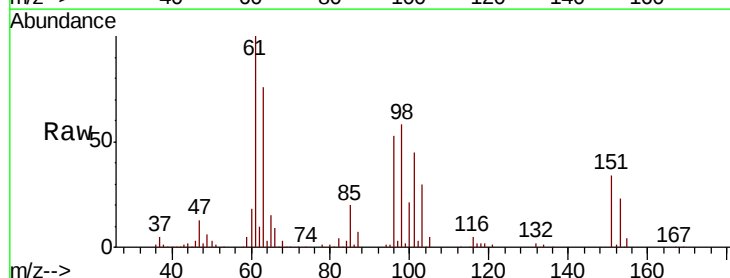
Tgt Ion: 96 Resp: 76163

Ion Ratio Lower Upper

96 100

61 189.9 132.6 246.2

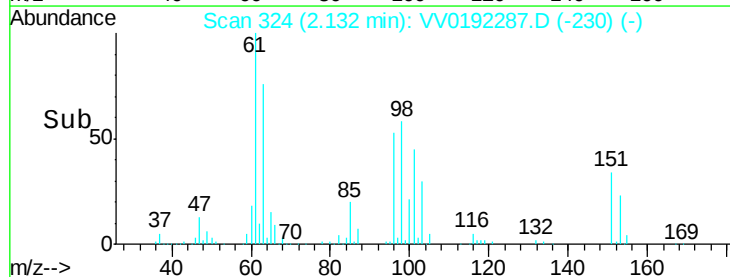
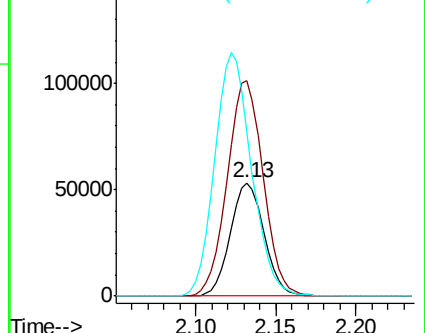
63 144.9 108.4 201.4

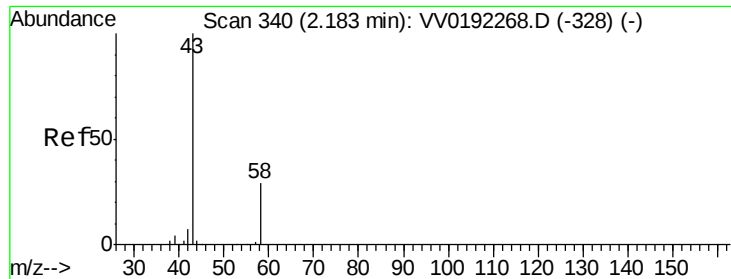


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 89.055 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

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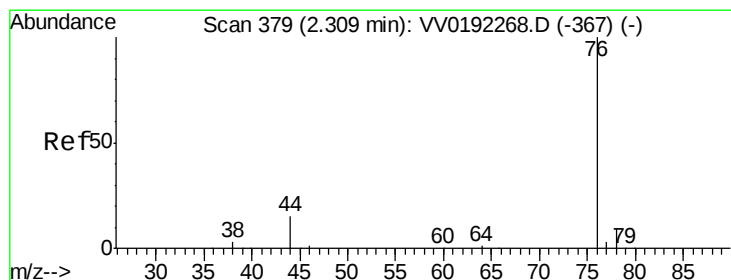
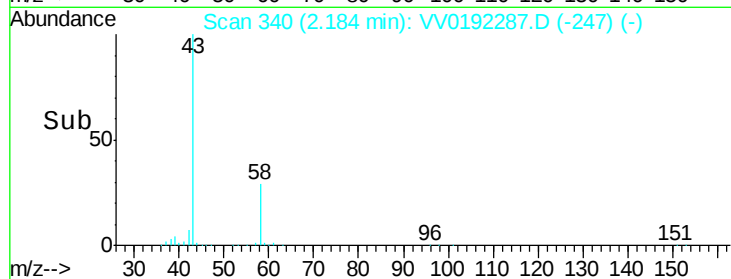
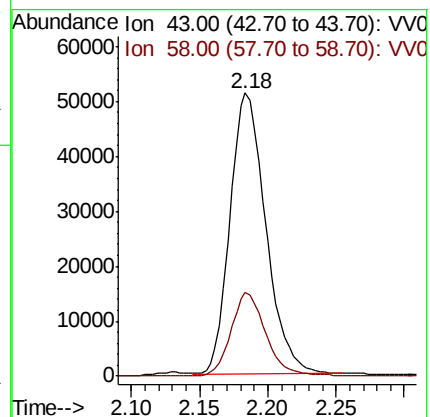
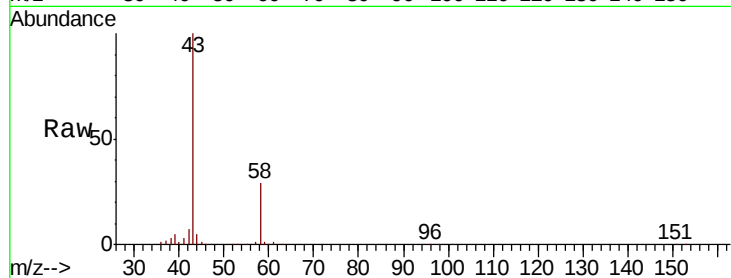
ClientSampled :

Tot Ion: 43 Resp: 93901

Ion Ratio Lower Upper

43 100

58 28.4 0.0 59.4



#14

Carbon disulfide

Concen: 46.423 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV0192287.D

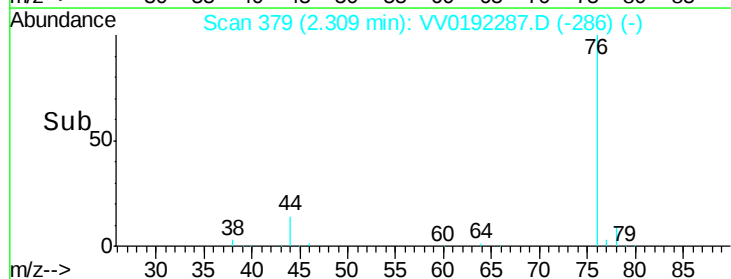
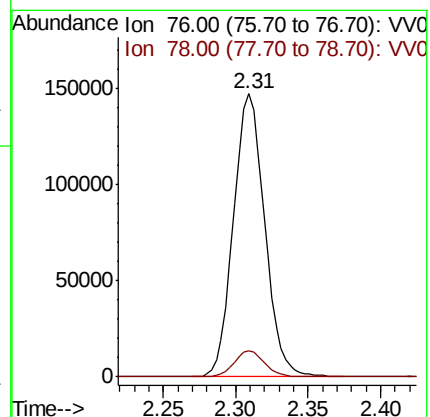
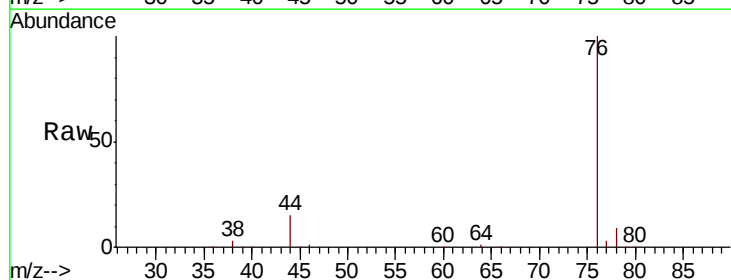
Acq: 05 Nov 2020 18:43

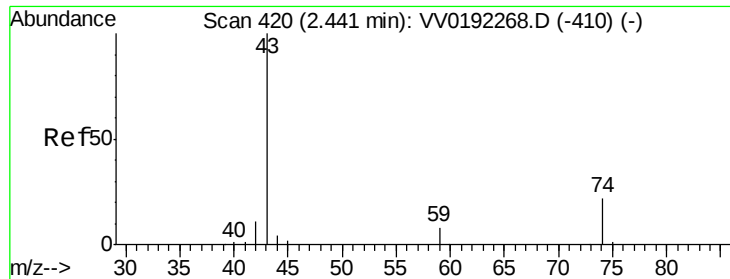
Tgt Ion: 76 Resp: 220648

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

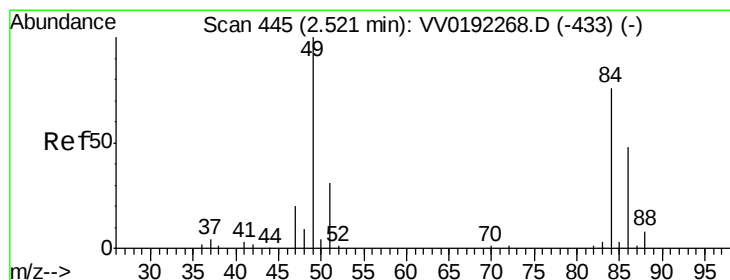
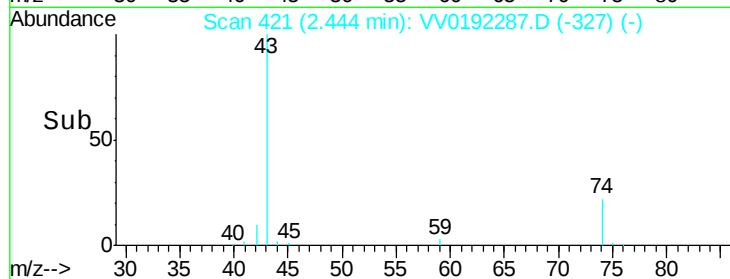
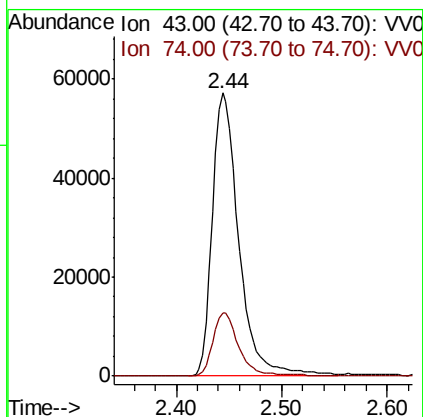
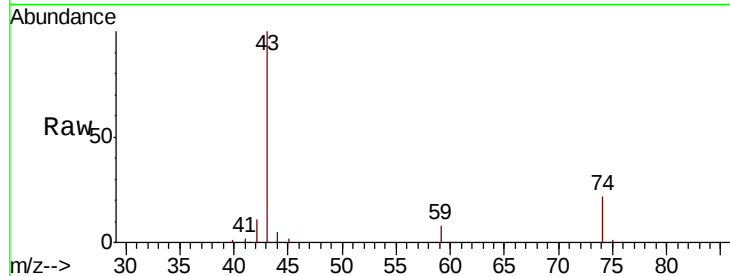




#15
Methvl Acetate
Concen: 58.208 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV0192287.D
Acq: 05 Nov 2020 18:43

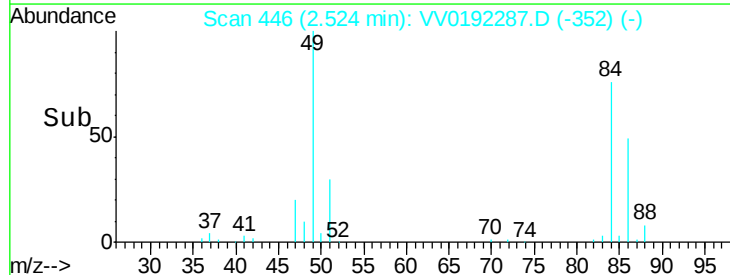
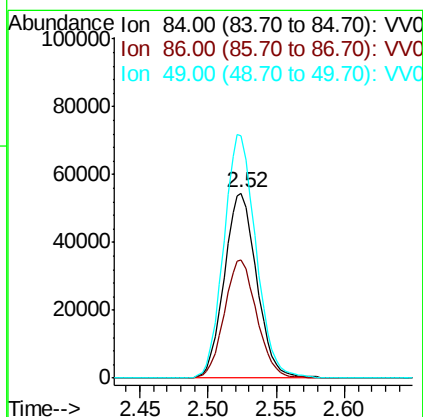
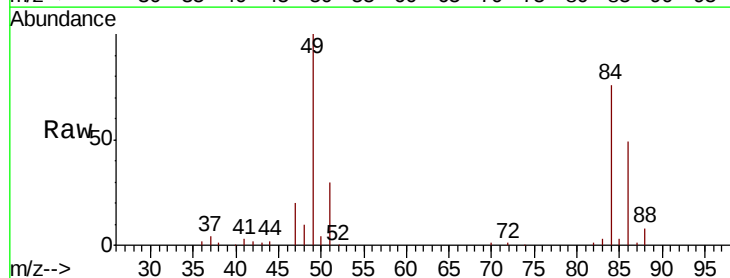
Instrument :
MSVOA_V
ClientSampleId :

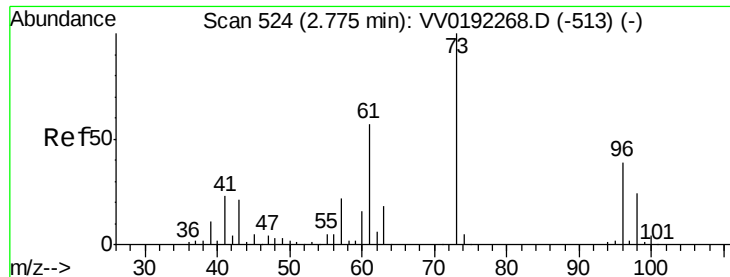
Tot Ion: 43 Resp: 98910
Ion Ratio Lower Upper
43 100
74 21.9 18.4 27.6



#16
Methylene chloride
Concen: 53.083 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV0192287.D
Acq: 05 Nov 2020 18:43

Tgt Ion: 84 Resp: 90134
Ion Ratio Lower Upper
84 100
86 64.0 46.0 85.4
49 130.7 87.8 163.2





#17

trans-1,2-Dichloroethene

Concen: 50.571 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

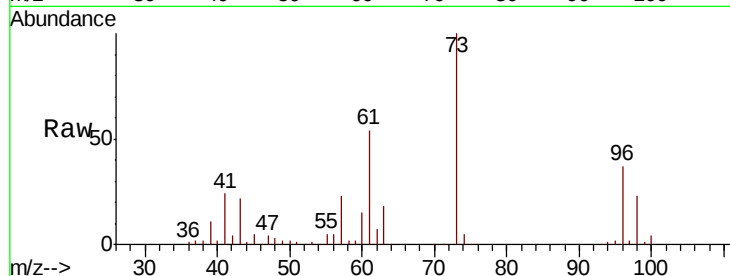
Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 81221

Ion	Ratio	Lower	Upper
96	100		
61	144.5	102.4	190.2
98	62.4	45.9	85.3

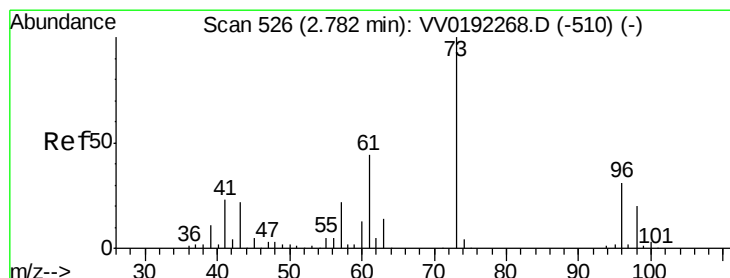
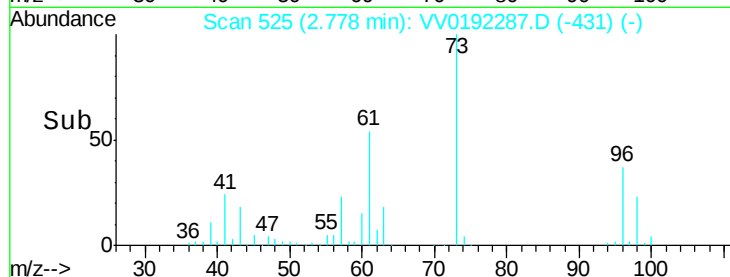
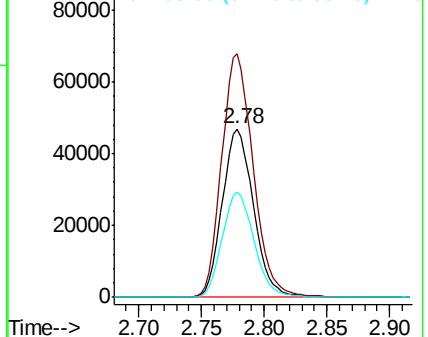


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 53.195 ug/L

RT: 2.78 min Scan# 527

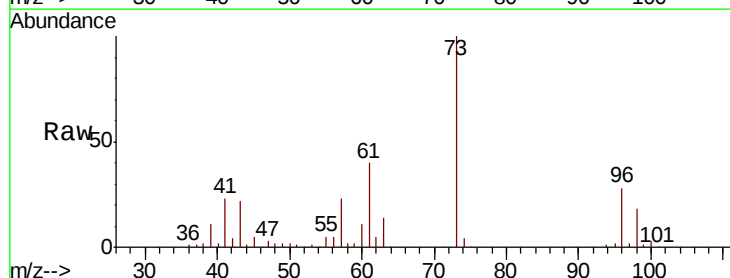
Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

Tgt Ion: 73 Resp: 286080

Ion	Ratio	Lower	Upper
73	100		
43	21.7	17.9	26.9
57	22.3	17.1	25.7

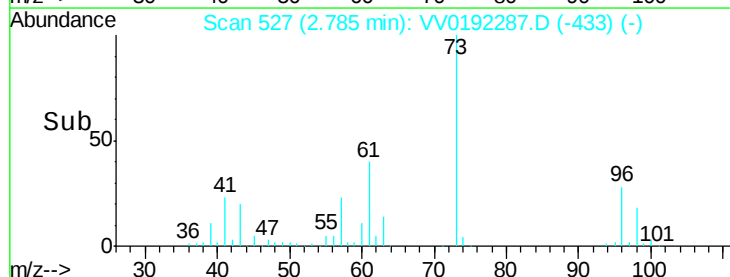
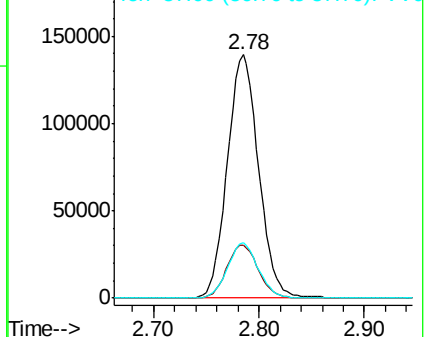


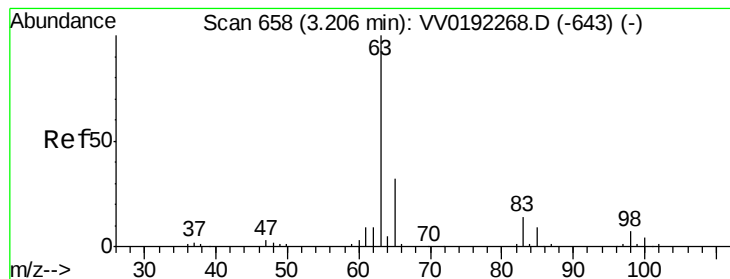
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 53.884 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

Instrument :

MSVOA_V

ClientSampleId :

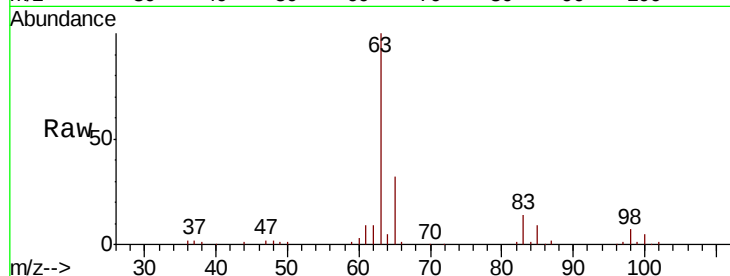
Tot Ion: 63 Resp: 161233

Ion Ratio Lower Upper

63 100

65 31.7 22.0 40.8

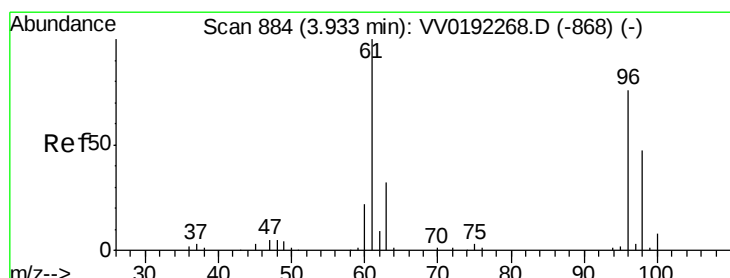
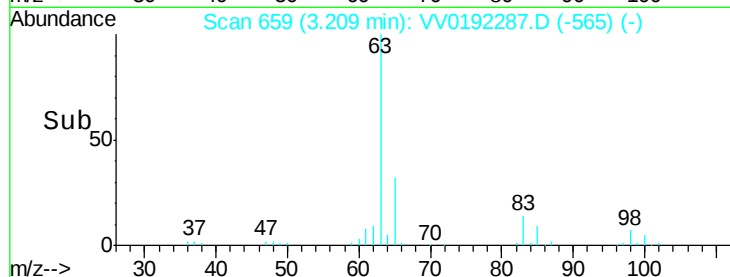
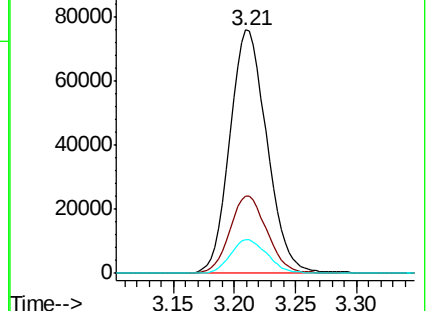
83 13.8 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 50.553 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

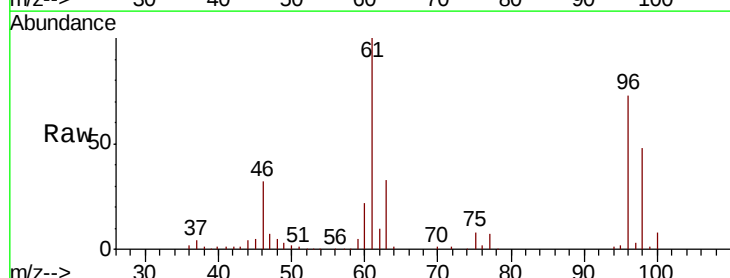
Tgt Ion: 96 Resp: 89107

Ion Ratio Lower Upper

96 100

61 137.4 90.7 168.5

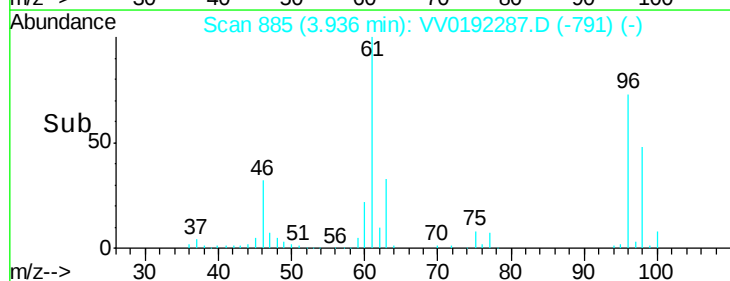
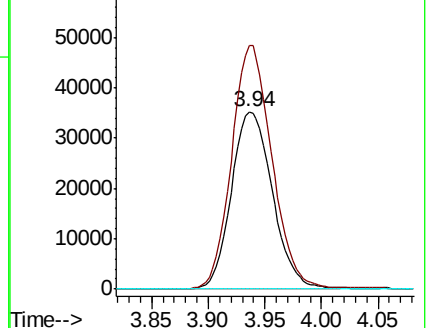
68 0.0 0.0 0.0

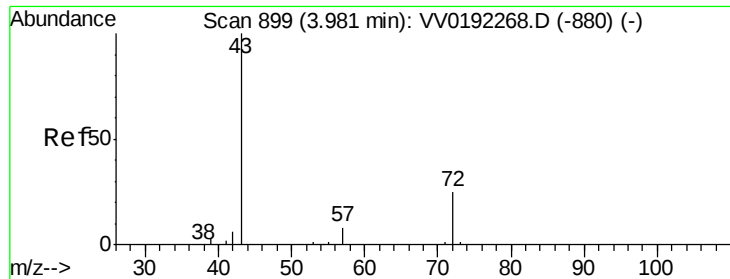


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 113.721 ug/L

RT: 3.99 min Scan# 901

Delta R.T. 0.01 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

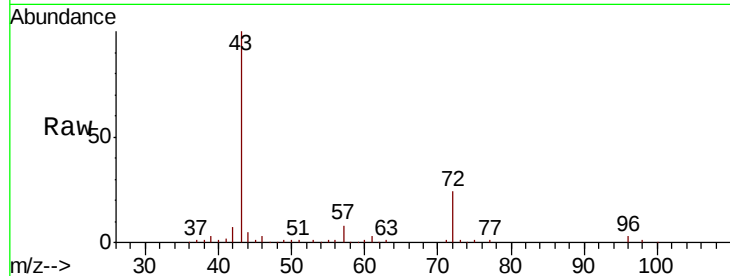
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 130607

Ion Ratio Lower Upper

43 100

72 23.3 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VV0192287.D (-896) (-)

Ion 72.00 (71.70 to 72.70): VV0192287.D (-896) (-)

3.99

50000

40000

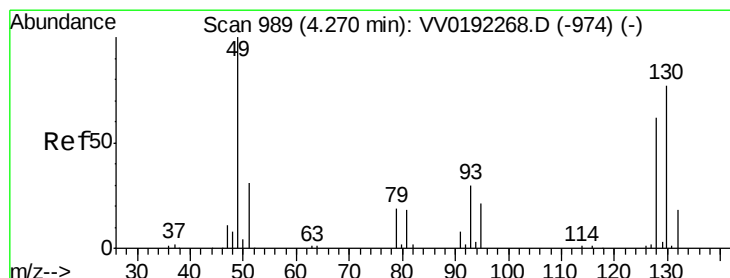
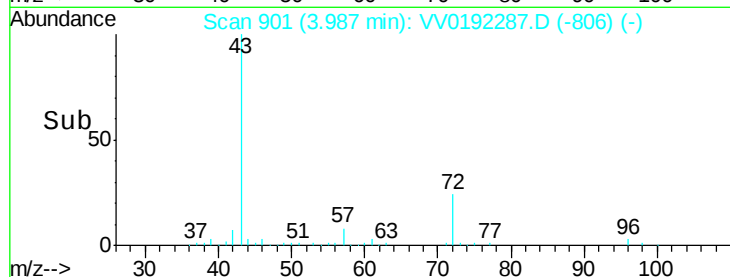
30000

20000

10000

0

Time-->



#23

Bromochloromethane

Concen: 50.854 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

Tgt Ion:128 Resp: 48101

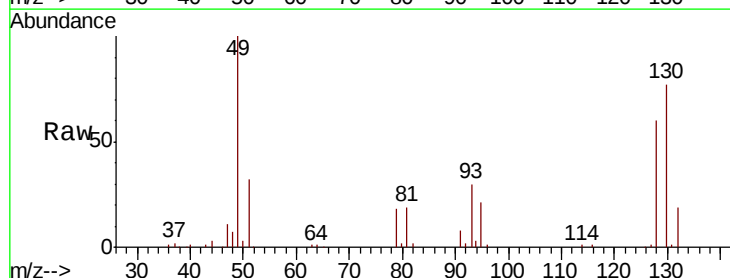
Ion Ratio Lower Upper

128 100

49 166.2 108.5 201.5

130 127.3 90.4 167.8

51 53.7 36.9 55.3



Abundance Ion 128.00 (127.70 to 128.70): VV0192287.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV0192287.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV0192287.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV0192287.D (-896) (-)

4.27

50000

40000

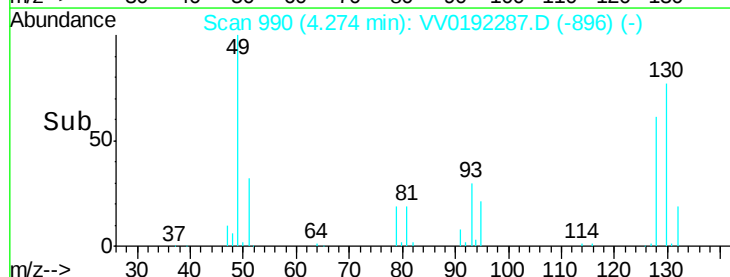
30000

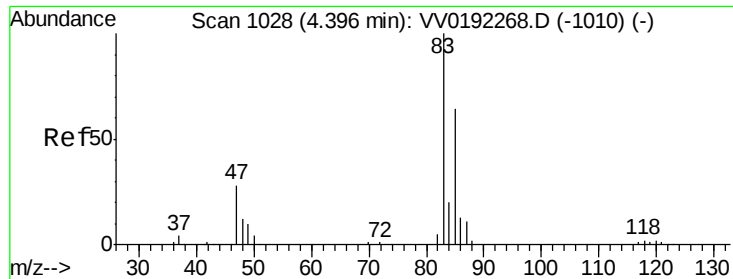
20000

10000

0

Time-->

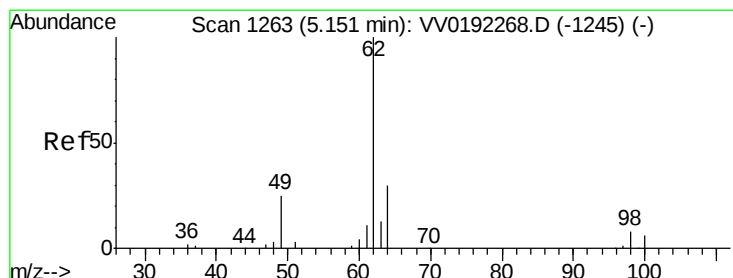
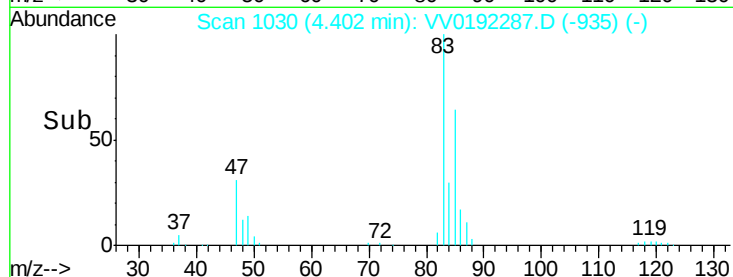
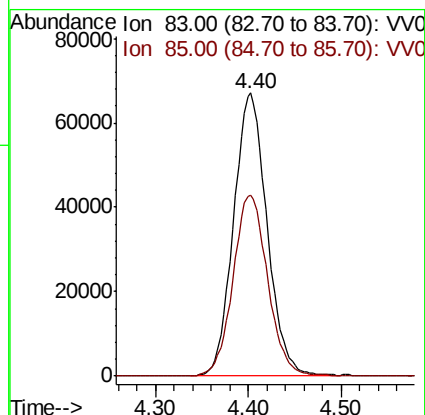
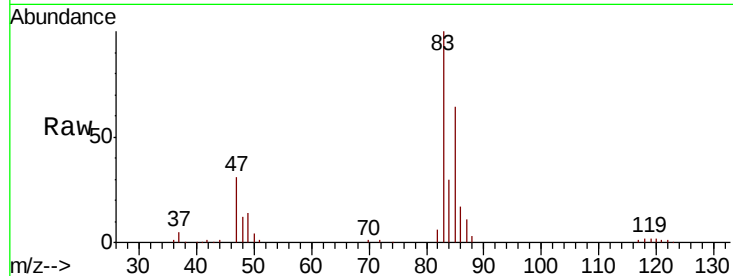




#25
Chloroform
Concen: 51.958 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV0192287.D
Acq: 05 Nov 2020 18:43

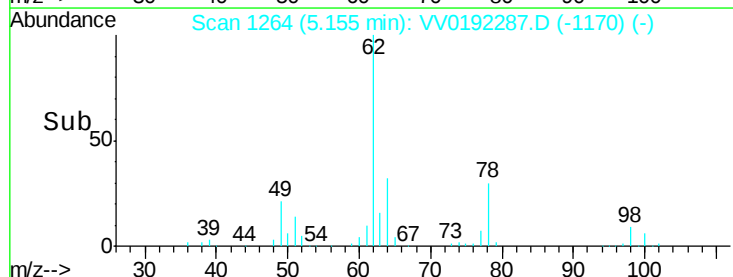
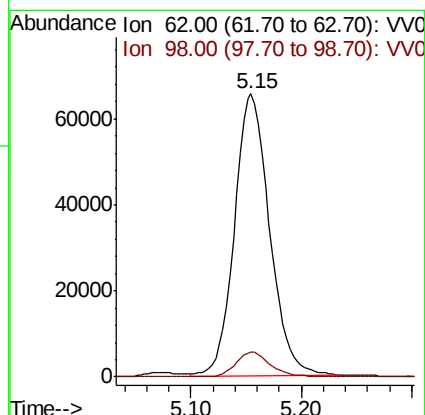
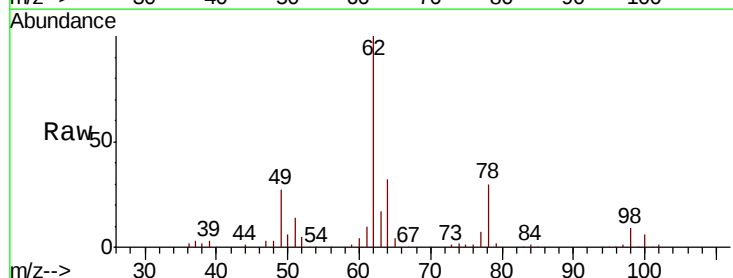
Instrument :
MSVOA_V
ClientSampleId :

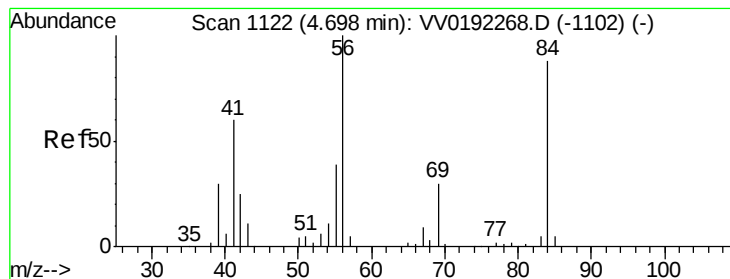
Tot Ion: 83 Resp: 168004
Ion Ratio Lower Upper
83 100
85 63.8 45.1 83.9



#27
1,2-Dichloroethane
Concen: 52.318 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV0192287.D
Acq: 05 Nov 2020 18:43

Tgt Ion: 62 Resp: 144021
Ion Ratio Lower Upper
62 100
98 8.7 6.8 10.2

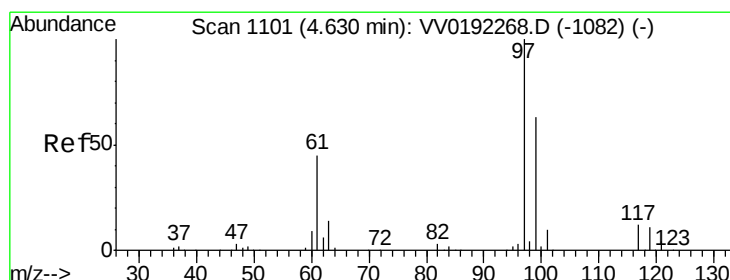
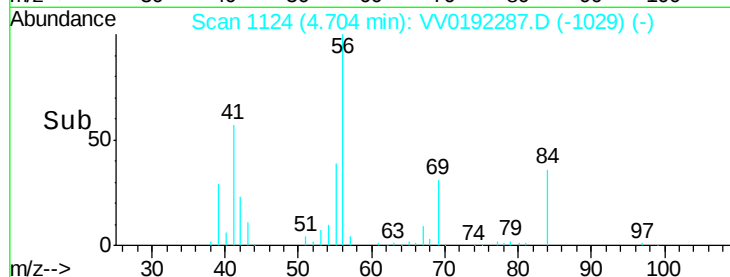
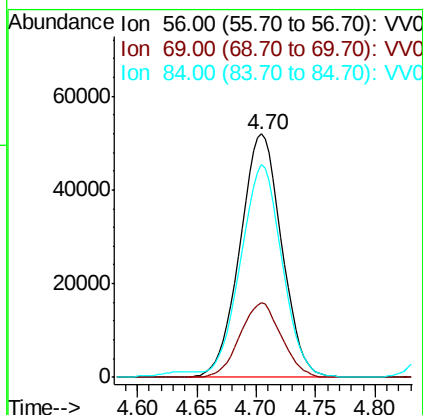
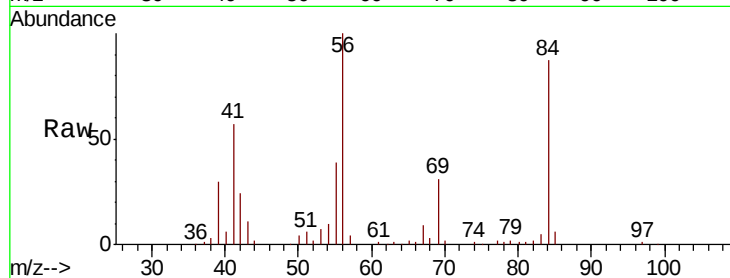




#29
Cyclohexane
Concen: 48.950 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VV0192287.D
Acq: 05 Nov 2020 18:43

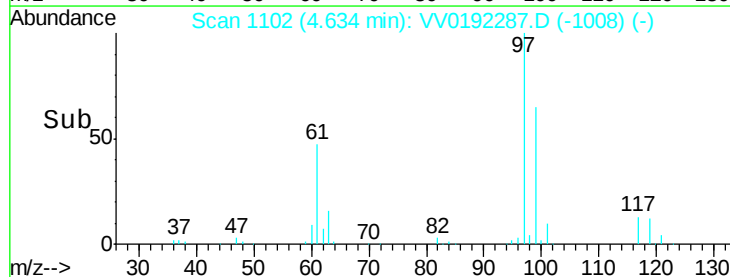
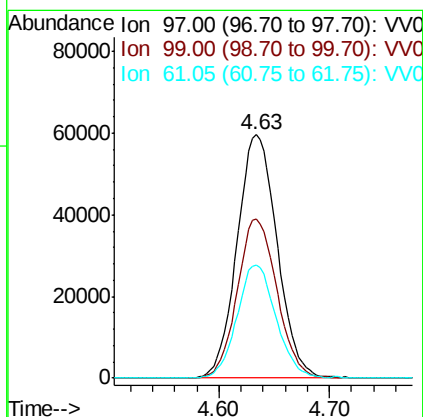
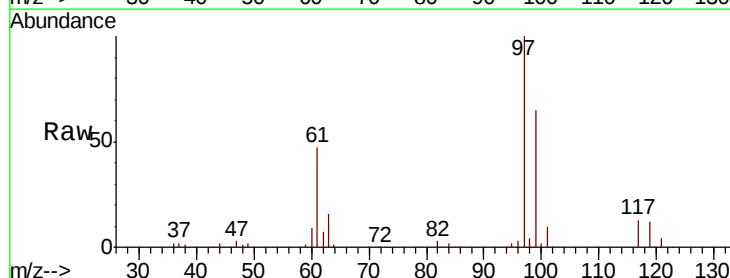
Instrument :
MSVOA_V
ClientSampleId :

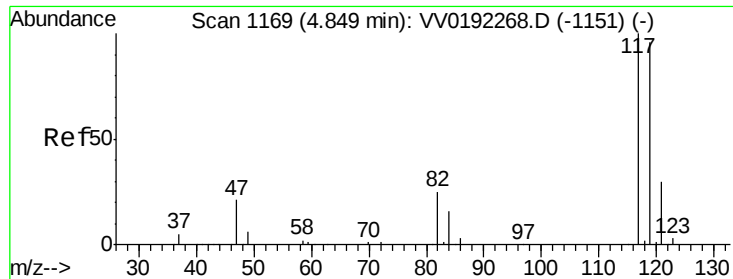
Tot Ion: 56 Resp: 126166
Ion Ratio Lower Upper
56 100
69 30.5 25.0 37.4
84 86.8 71.5 107.3



#30
1,1,1-Trichloroethane
Concen: 47.977 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV0192287.D
Acq: 05 Nov 2020 18:43

Tgt Ion: 97 Resp: 150102
Ion Ratio Lower Upper
97 100
99 64.8 51.3 76.9
61 45.4 34.6 52.0





#31

Carbon tetrachloride

Concen: 46.710 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

Instrument :

MSVOA_V

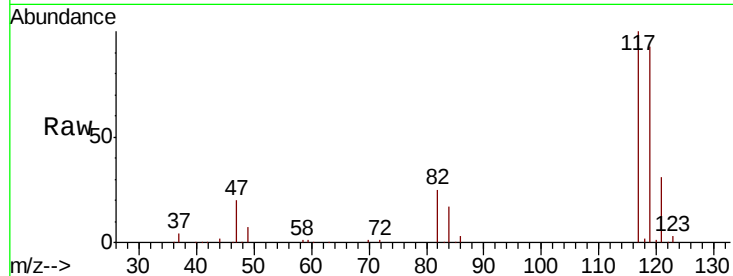
ClientSampleId :

Tot Ion:117 Resp: 129586

Ion Ratio Lower Upper

117 100

119 96.2 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.85

60000

50000

40000

30000

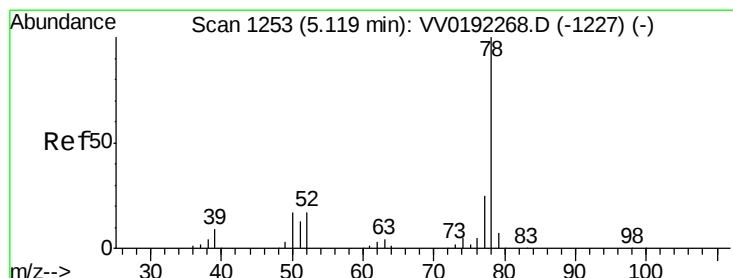
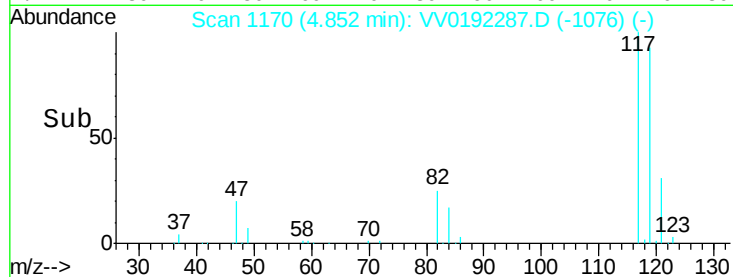
20000

10000

0

Time-->

4.80 4.90



#33

Benzene

Concen: 51.221 ug/L

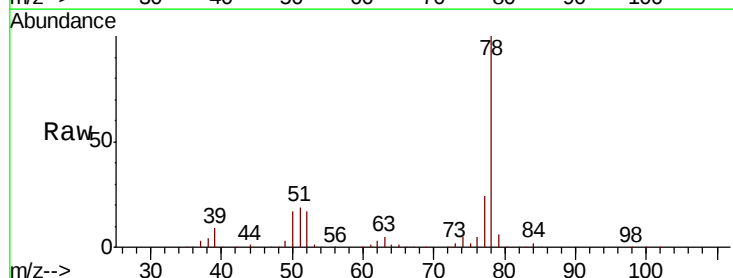
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

Tgt Ion: 78 Resp: 340956



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.12

150000

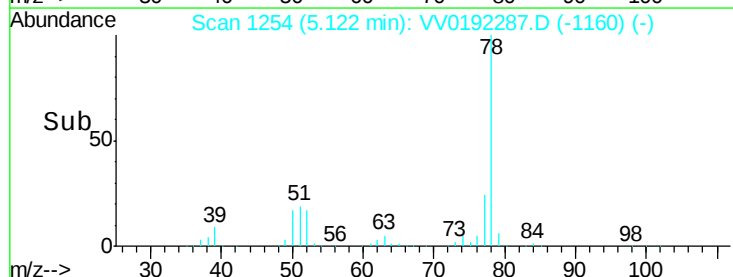
100000

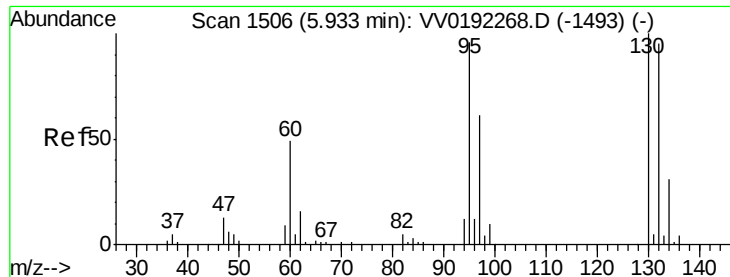
50000

0

Time-->

5.00 5.10 5.20





#34

Trichloroethene

Concen: 49.538 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 90335

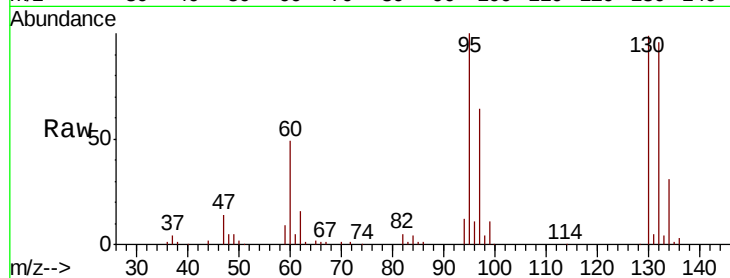
Ion Ratio Lower Upper

95 100

97 64.5 43.4 80.6

132 96.1 69.7 129.4

130 99.3 72.4 134.5

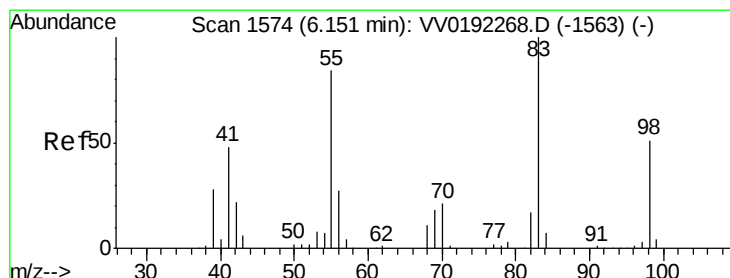
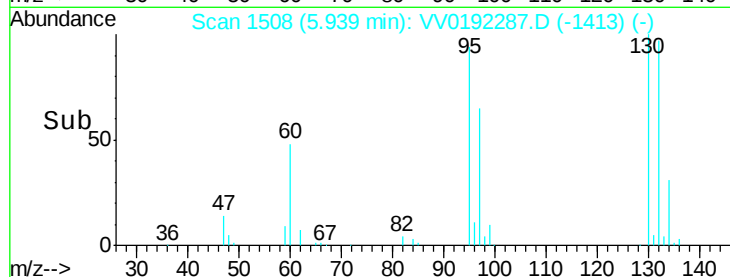
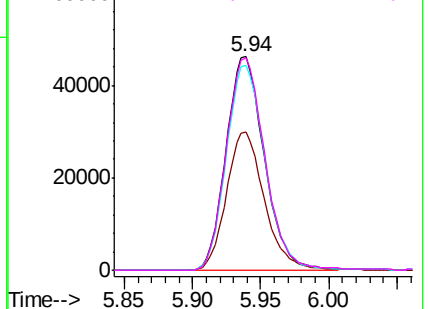


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 47.089 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

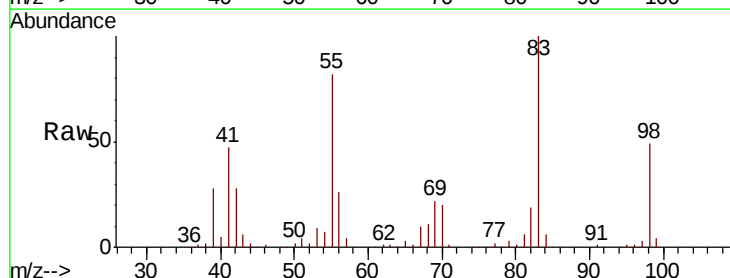
Tgt Ion: 83 Resp: 115923

Ion Ratio Lower Upper

83 100

55 81.8 62.2 93.4

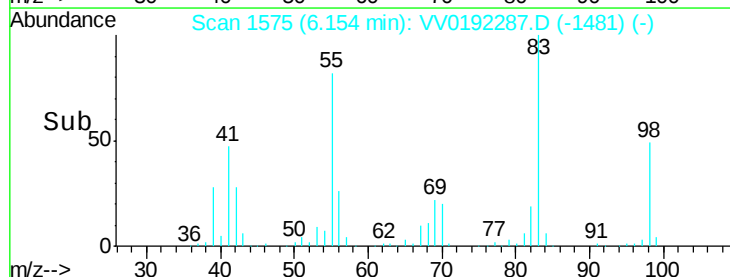
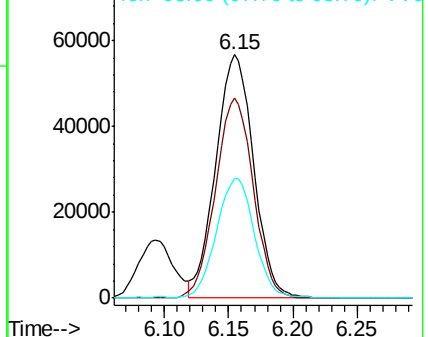
98 49.4 39.4 59.2

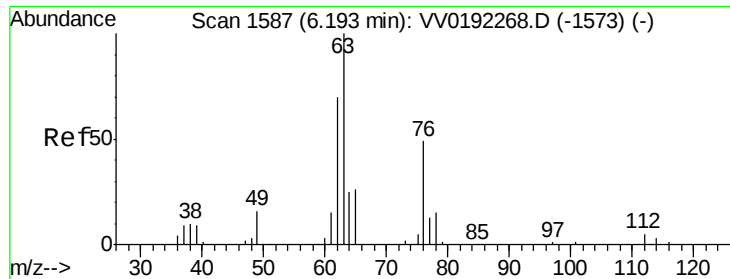


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

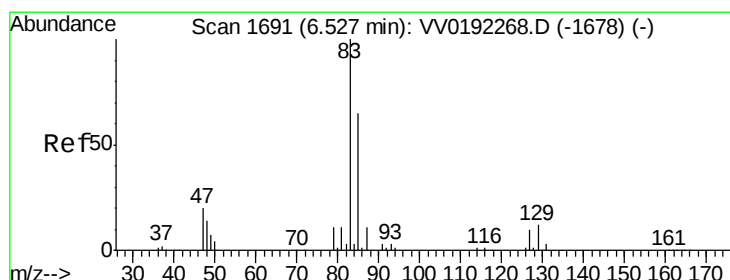
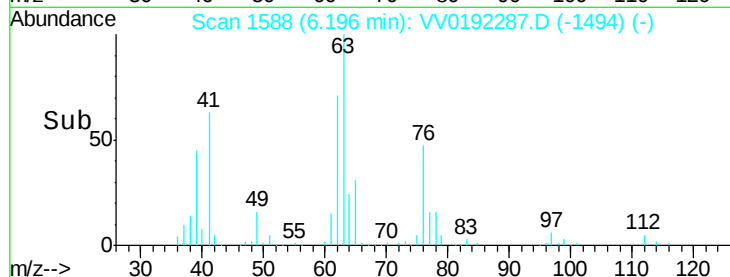
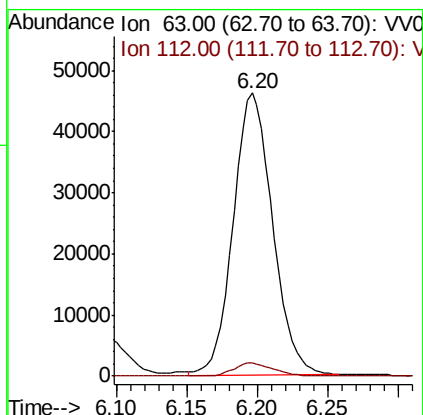
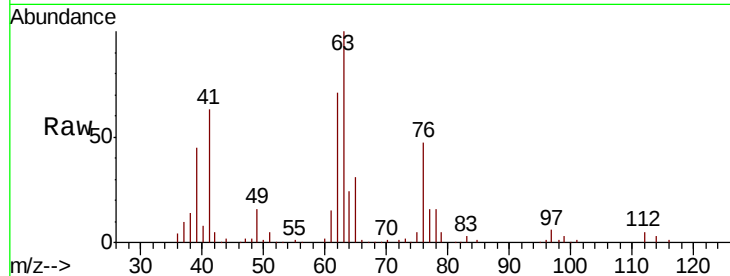




#37
 1,2-Dichloropropane
 Concen: 54.650 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV0192287.D
 Acq: 05 Nov 2020 18:43

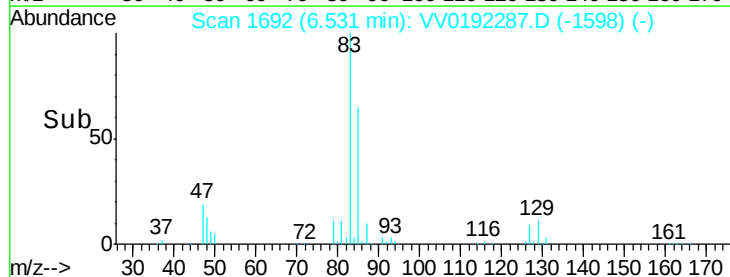
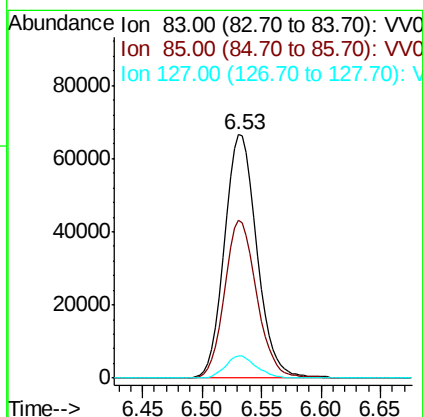
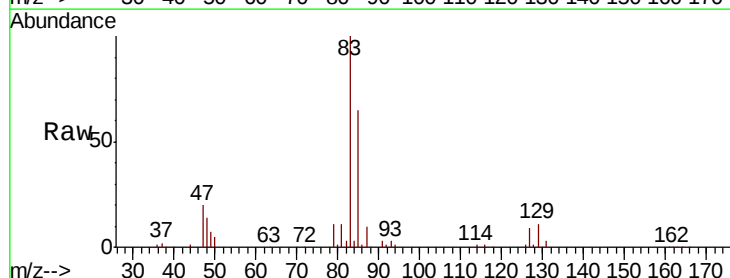
Instrument :
 MSVOA_V
 ClientSampled :

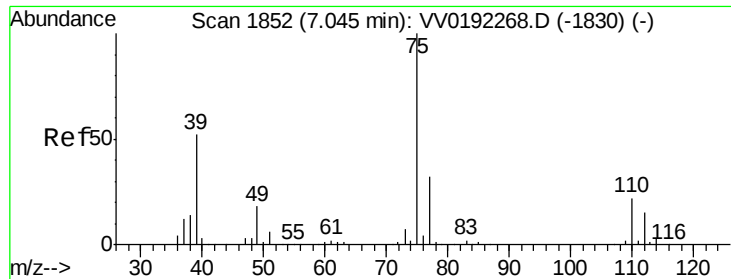
Tot Ion: 63 Resp: 90342
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.8



#38
 Bromodichloromethane
 Concen: 51.198 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV0192287.D
 Acq: 05 Nov 2020 18:43

Tgt Ion: 83 Resp: 125905
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.9 85.3
 127 9.1 6.9 10.3

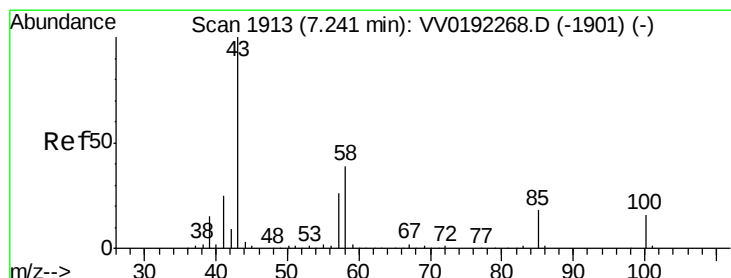
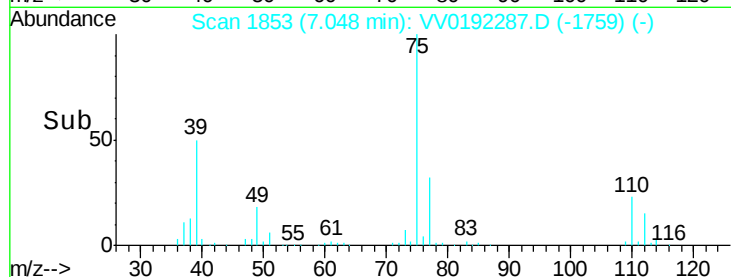
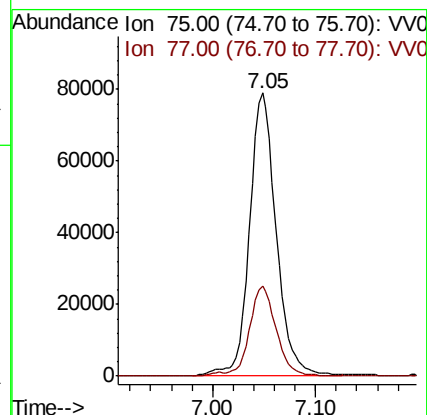
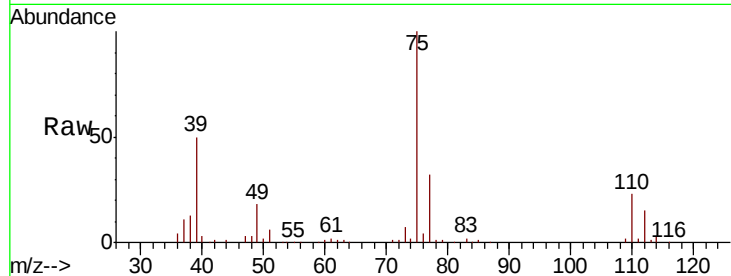




#39
 cis-1,3-Dichloropropene
 Concen: 52.315 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV0192287.D
 Acq: 05 Nov 2020 18:43

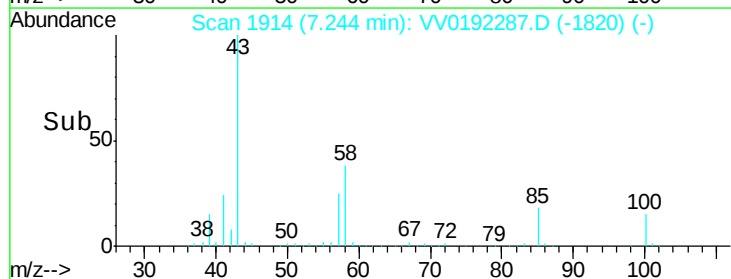
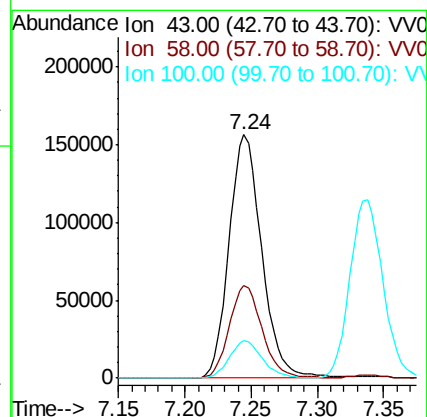
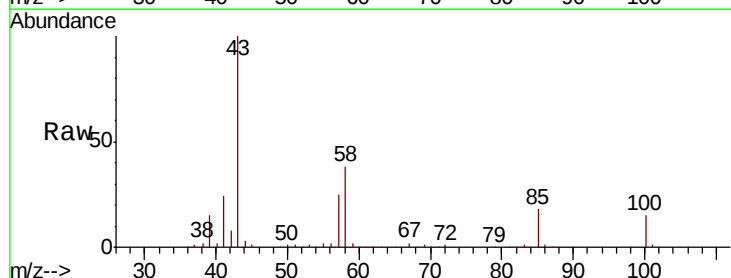
Instrument :
 MSVOA_V
 ClientSampleId :

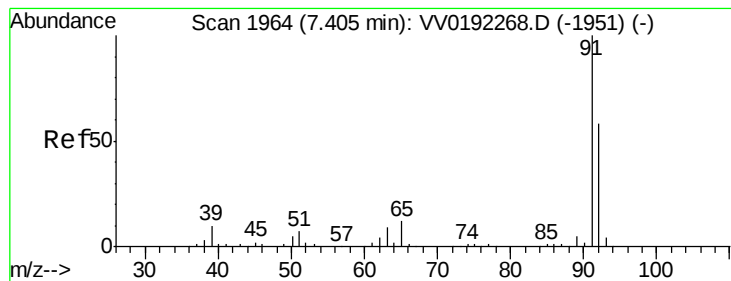
Tot Ion: 75 Resp: 142846
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 117.565 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV0192287.D
 Acq: 05 Nov 2020 18:43

Tgt Ion: 43 Resp: 268106
 Ion Ratio Lower Upper
 43 100
 58 38.2 31.0 46.4
 100 15.5 13.2 19.8





#42

Toluene

Concen: 50.662 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

Instrument :

MSVOA_V

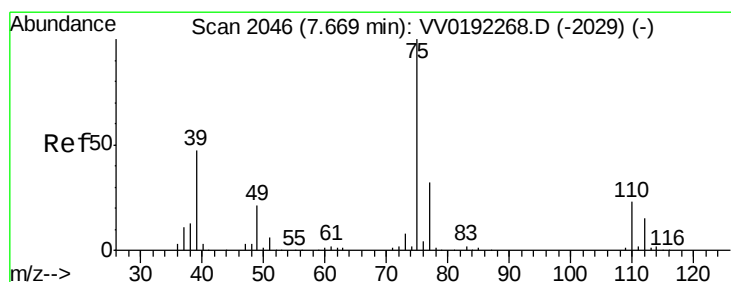
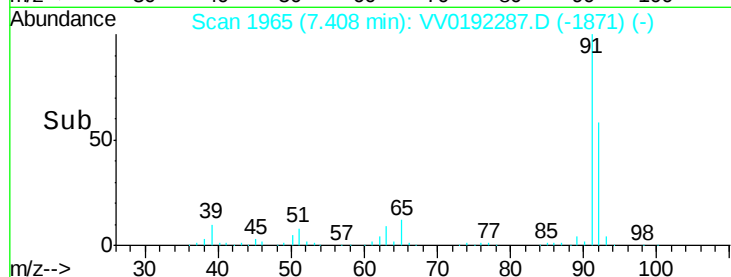
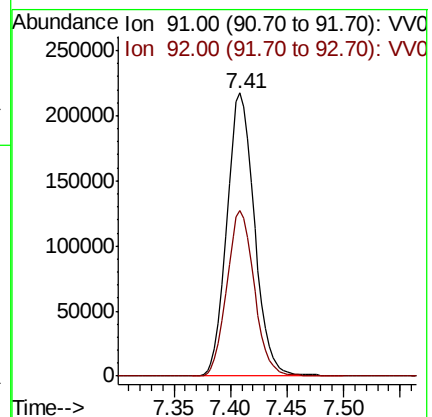
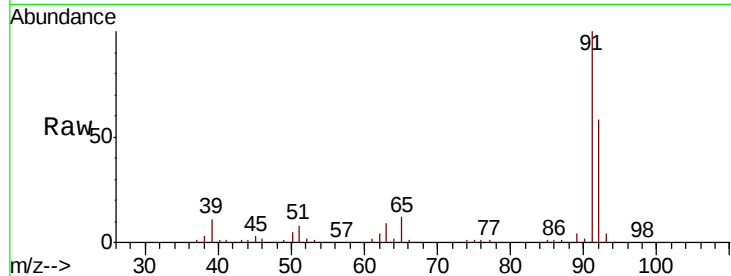
ClientSampleId :

Tot Ion: 91 Resp: 369698

Ion Ratio Lower Upper

91 100

92 58.4 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 50.511 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV0192287.D

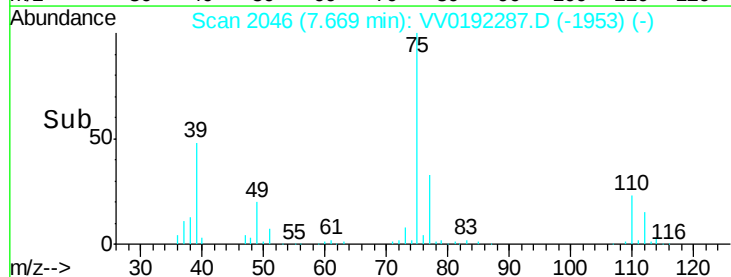
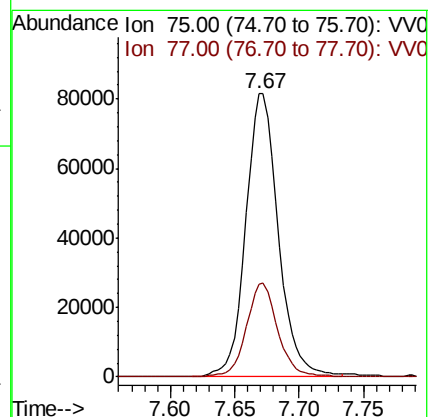
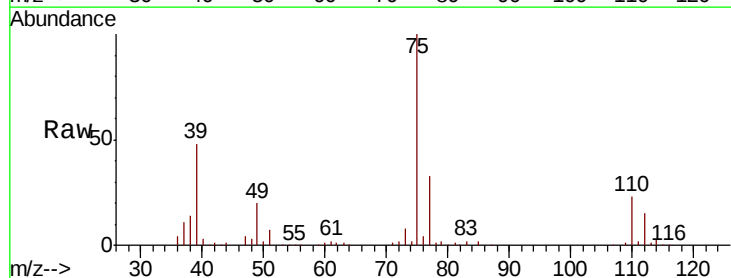
Acq: 05 Nov 2020 18:43

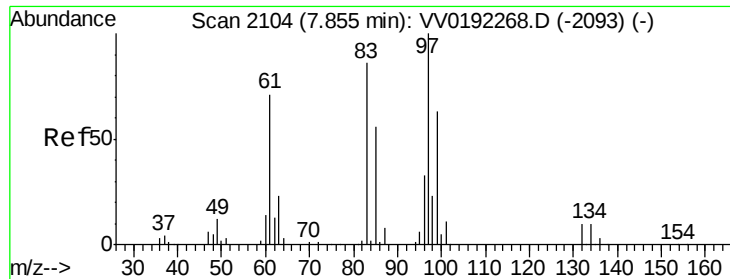
Tgt Ion: 75 Resp: 143473

Ion Ratio Lower Upper

75 100

77 32.8 21.8 40.4

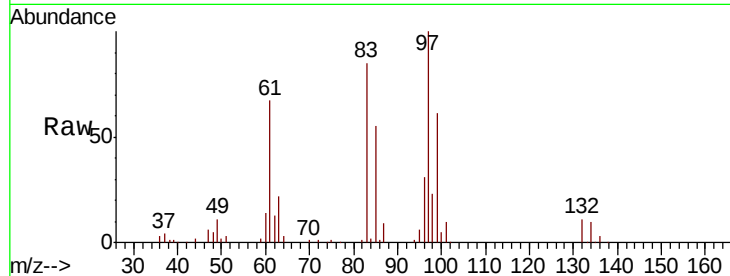




#45
1,1,2-Trichloroethane
Concen: 53.168 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV0192287.D
Acq: 05 Nov 2020 18:43

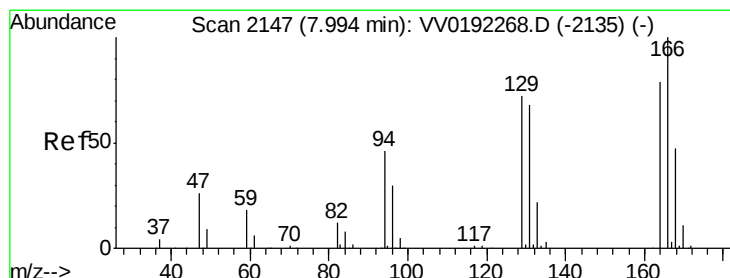
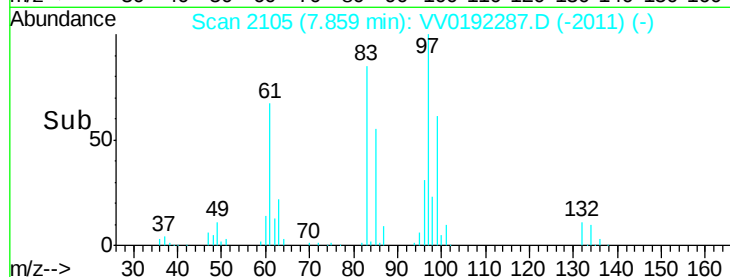
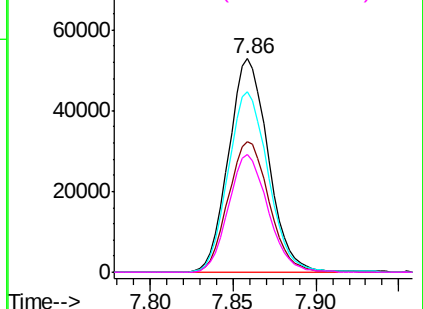
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	88150
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.1	80.1
83	84.7	58.3	108.3
85	55.2	37.8	70.2



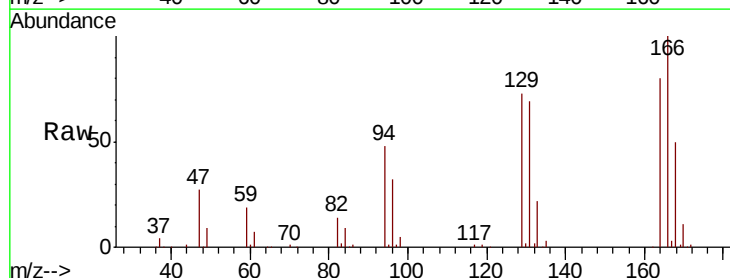
Abundance

Ion 97.00 (96.70 to 97.70): VV0192287.D (-2093) (-)



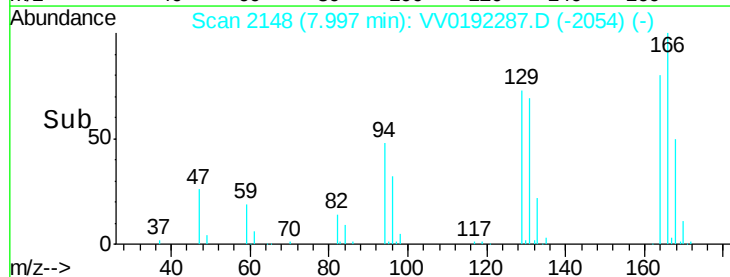
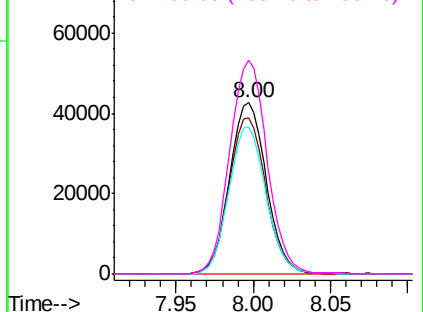
#46
Tetrachloroethene
Concen: 45.316 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV0192287.D
Acq: 05 Nov 2020 18:43

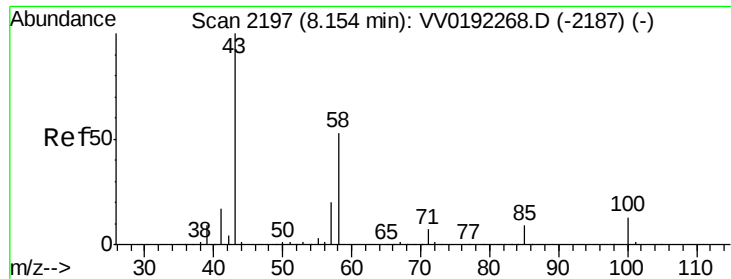
Tgt Ion:	164	Resp:	70563
Ion	Ratio	Lower	Upper
164	100		
129	91.0	63.2	117.4
131	86.2	60.3	112.1
166	124.6	88.3	163.9



Abundance

Ion 164.00 (163.70 to 164.70): VV0192287.D (-2054) (-)

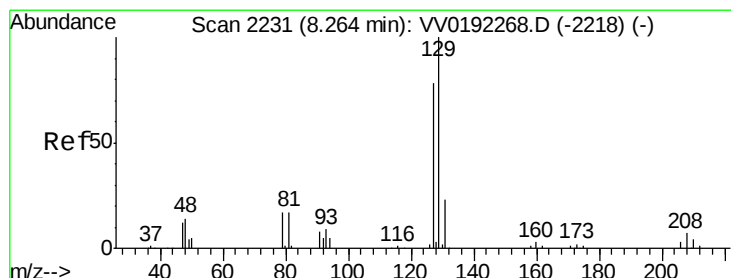
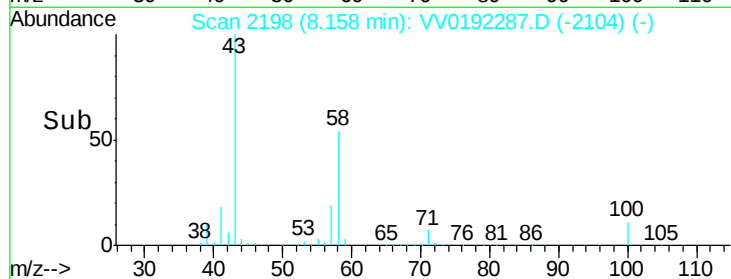
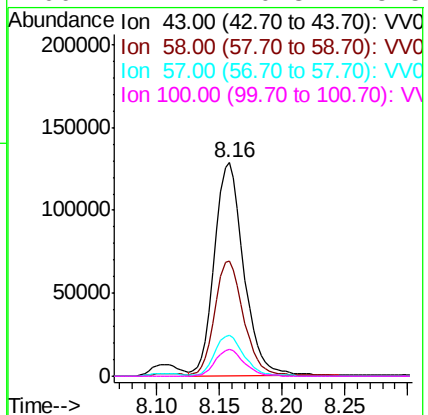
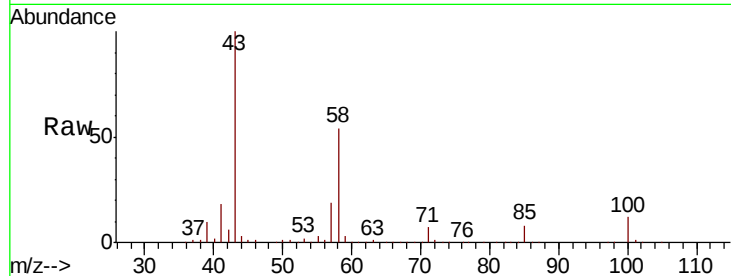




#48
2-Hexanone
Concen: 115.119 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV0192287.D
Acq: 05 Nov 2020 18:43

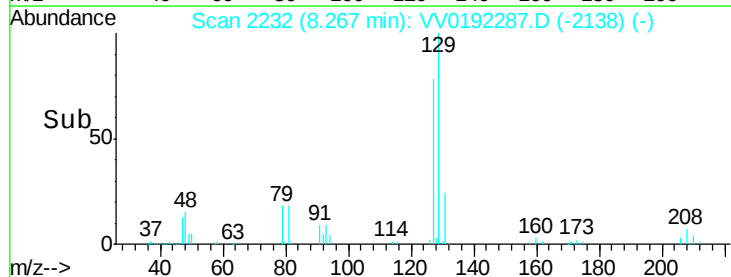
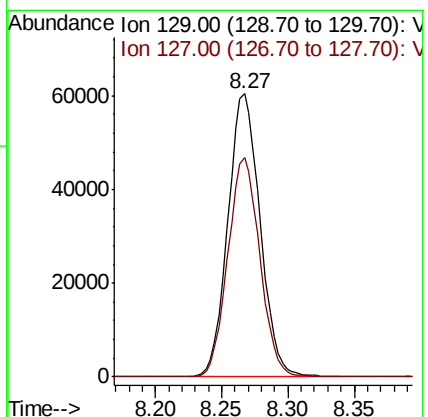
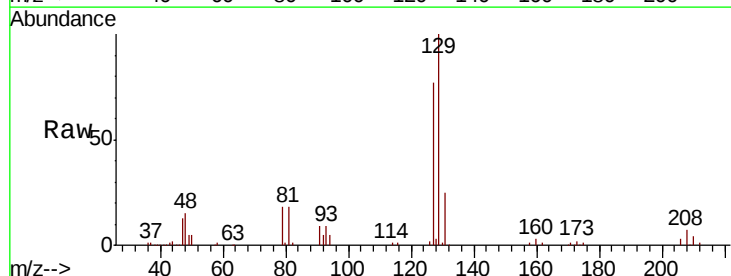
Instrument :
MSVOA_V
ClientSampleId :

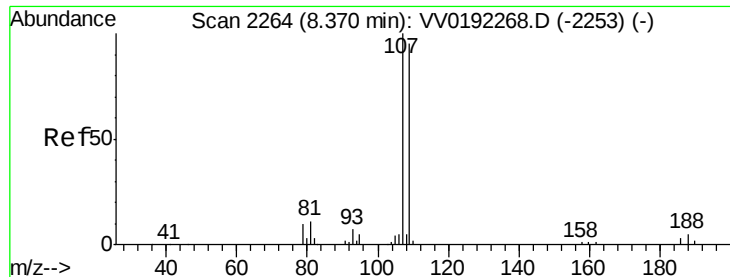
Tot Ion: 43 Resp: 208666
Ion Ratio Lower Upper
43 100
58 53.9 43.6 65.4
57 19.4 16.0 24.0
100 12.4 10.3 15.5



#49
Dibromochloromethane
Concen: 50.853 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV0192287.D
Acq: 05 Nov 2020 18:43

Tgt Ion: 129 Resp: 102083
Ion Ratio Lower Upper
129 100
127 77.4 54.7 101.5

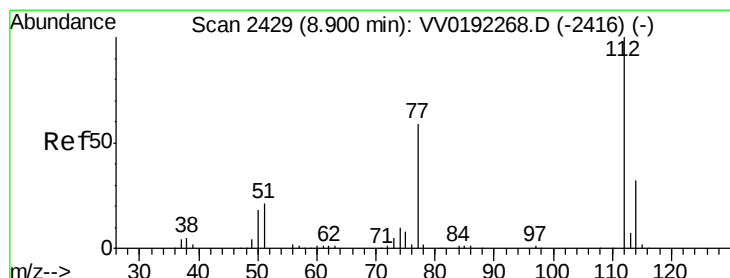
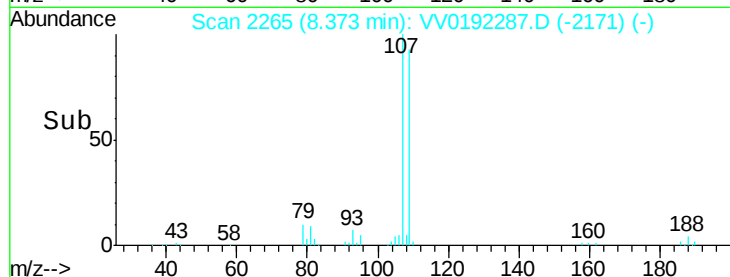
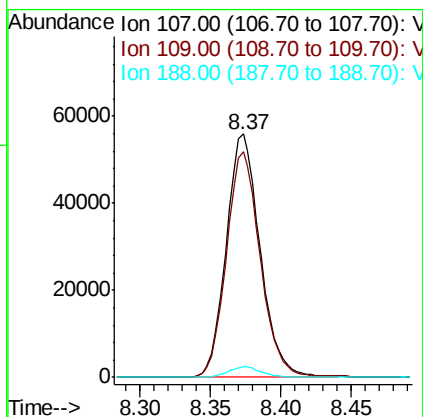
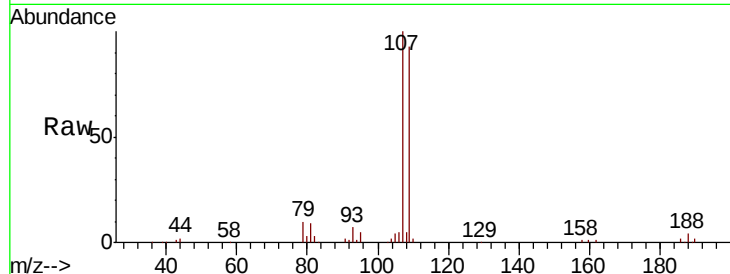




#50
1,2-Dibromoethane
Concen: 53.065 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV0192287.D
Acq: 05 Nov 2020 18:43

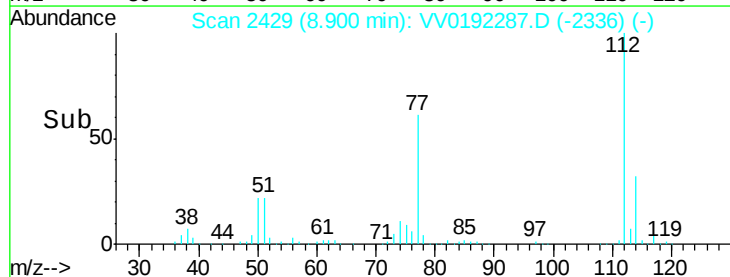
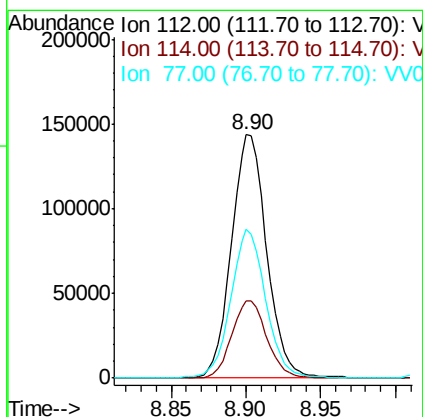
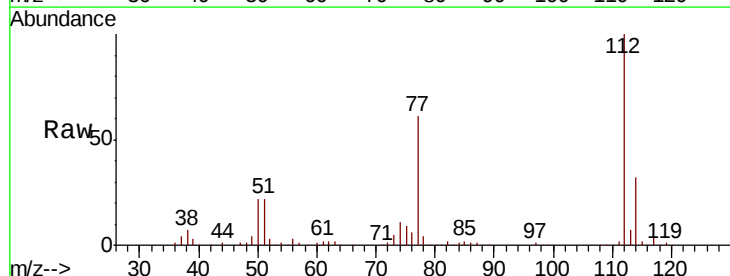
Instrument :
MSVOA_V
ClientSampleId :

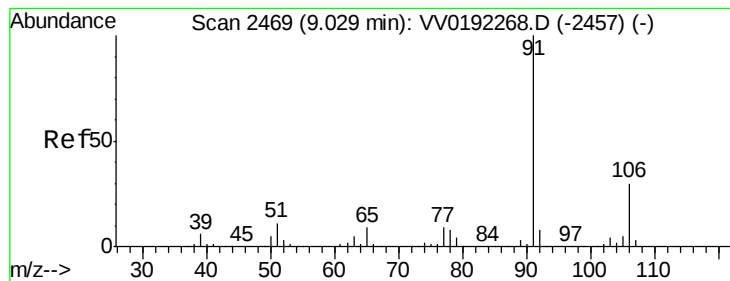
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	65.7	121.9
188	4.4	3.4	5.2



#51
Chlorobenzene
Concen: 49.249 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV0192287.D
Acq: 05 Nov 2020 18:43

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.3	41.5
77	60.9	46.7	70.1





#52

Ethylbenzene

Concen: 50.120 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

Instrument :

MSVOA_V

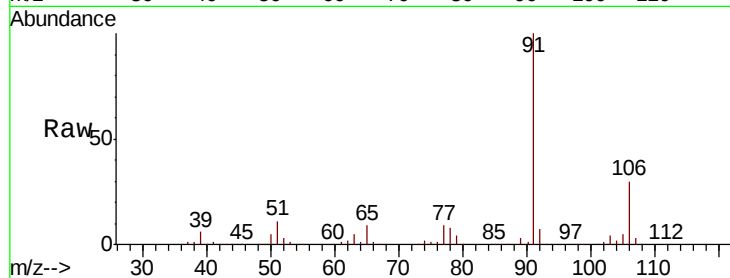
ClientSampleId :

Tot Ion: 91 Resp: 403009

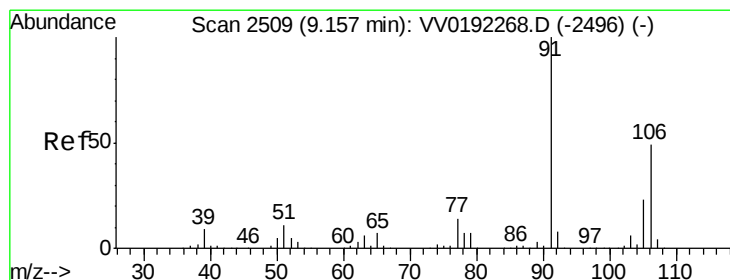
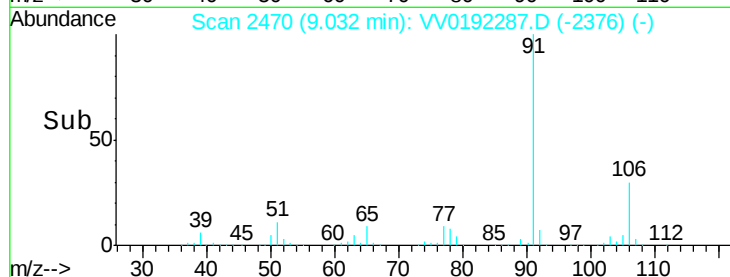
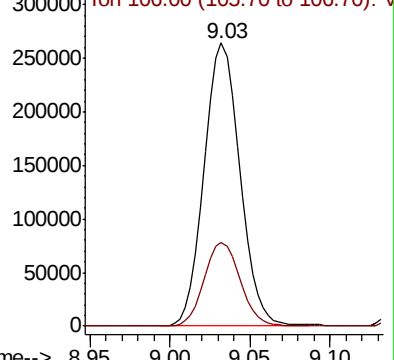
Ion Ratio Lower Upper

91 100

106 29.6 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV0192287.D (-2470) (-)



#53

m,p-Xylene

Concen: 49.888 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV0192287.D

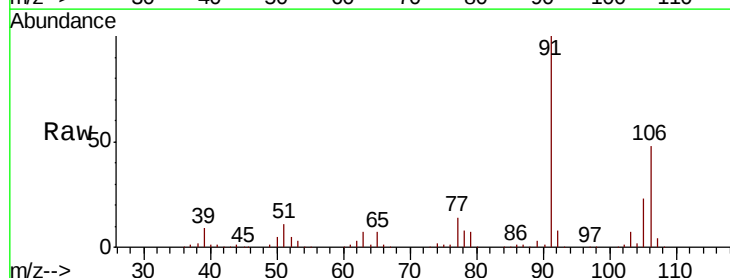
Acq: 05 Nov 2020 18:43

Tgt Ion: 106 Resp: 151514

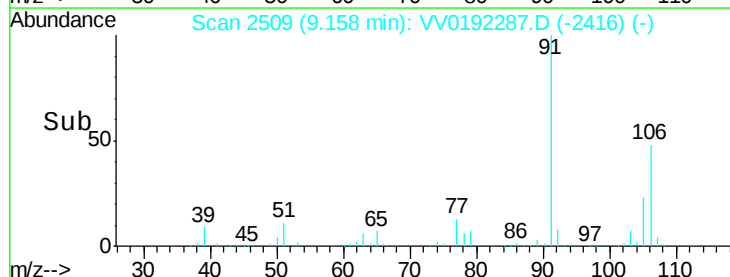
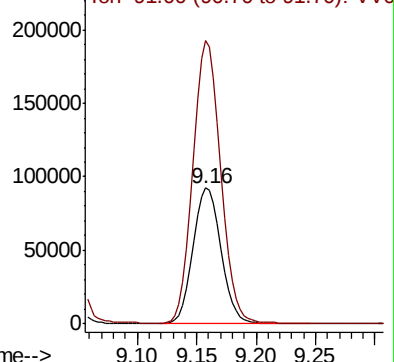
Ion Ratio Lower Upper

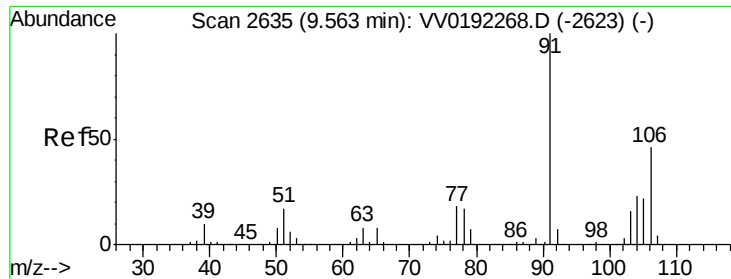
106 100

91 208.5 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): VV0192287.D (-2509) (-)





#54

o-xylene

Concen: 49.873 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

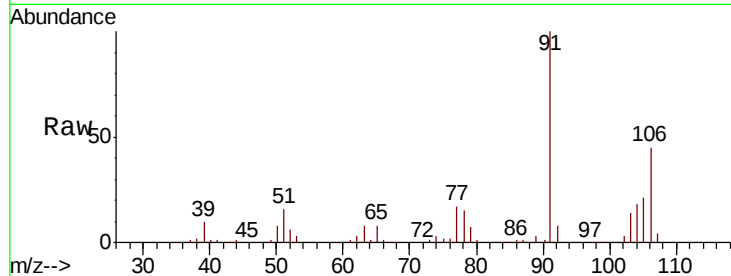
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 145427

Ion Ratio Lower Upper

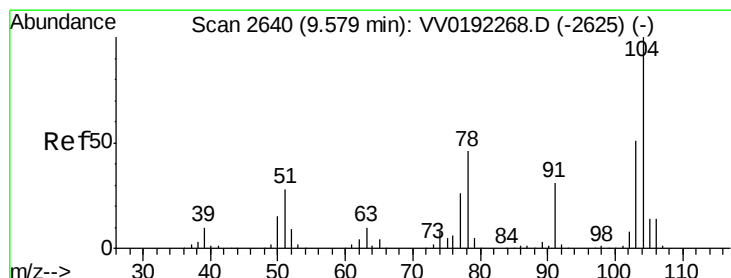
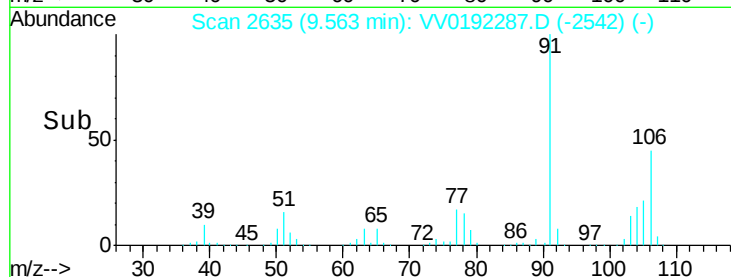
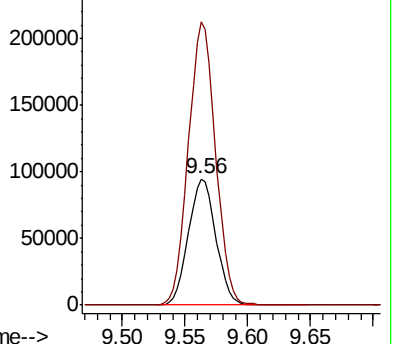
106 100

91 223.8 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.217 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV0192287.D

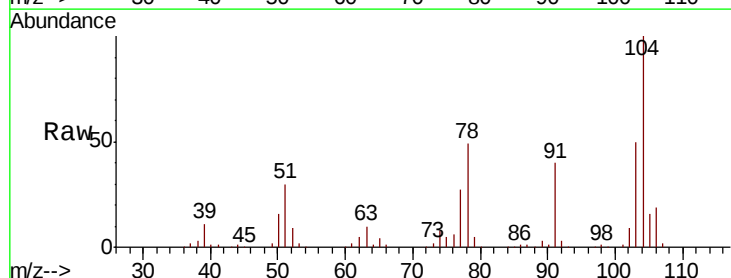
Acq: 05 Nov 2020 18:43

Tgt Ion:104 Resp: 264695

Ion Ratio Lower Upper

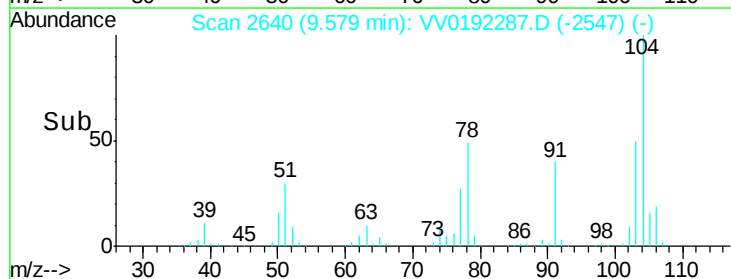
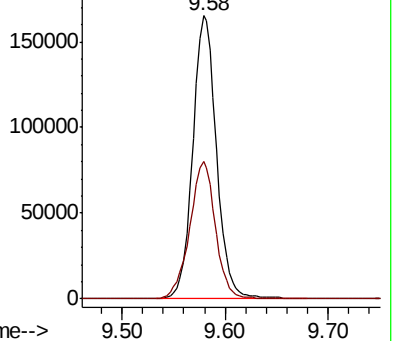
104 100

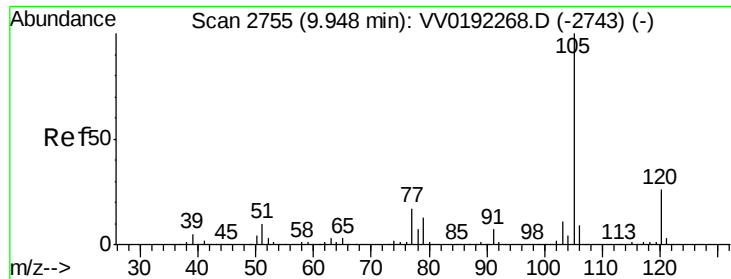
78 48.5 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.014 ug/L

RT: 9.95 min Scan# 2756

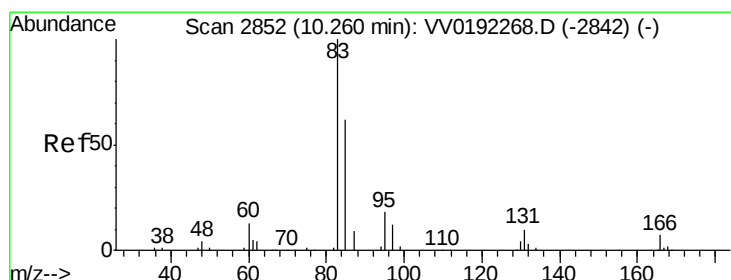
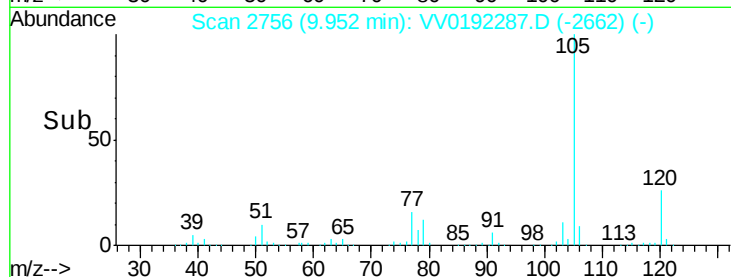
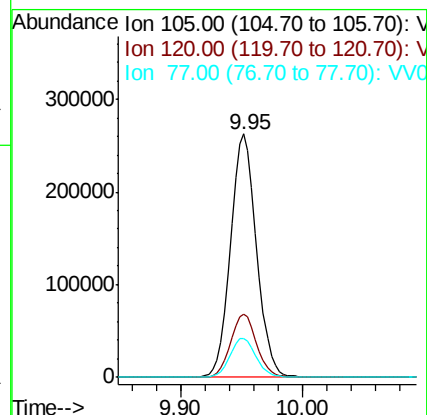
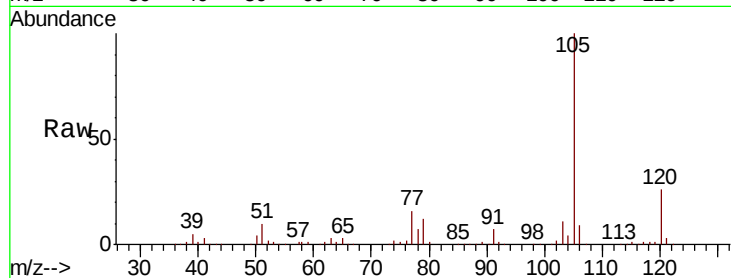
Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	391927
Ion	Ratio	Lower	Upper
105	100		
120	26.2	21.3	31.9
77	16.2	13.0	19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 53.839 ug/L

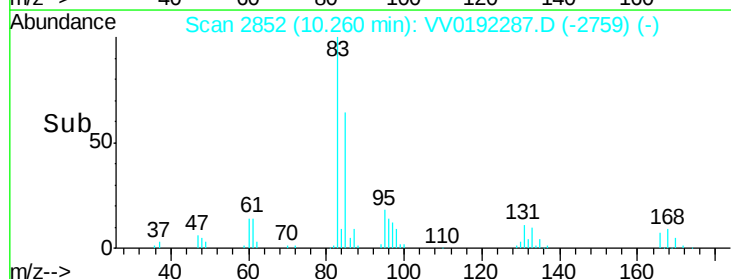
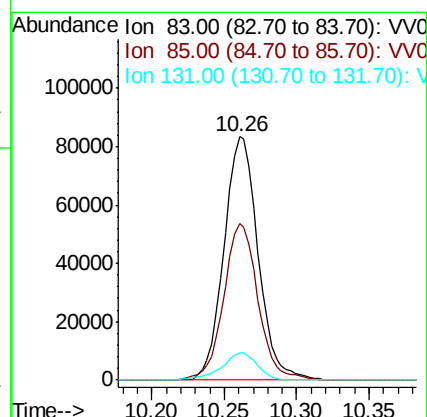
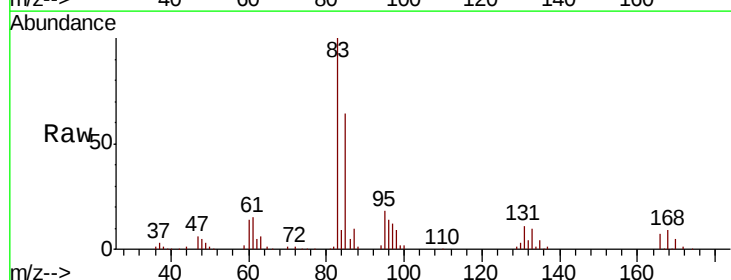
RT: 10.26 min Scan# 2852

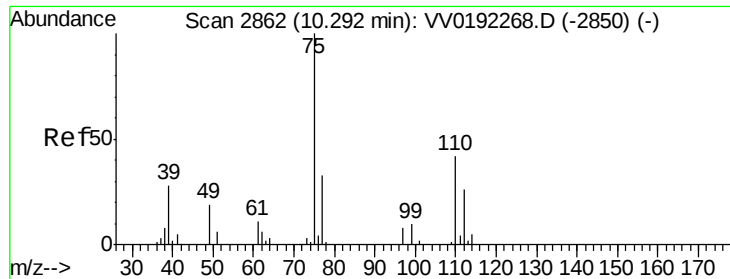
Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

Tgt Ion:	83	Resp:	135920
Ion	Ratio	Lower	Upper
83	100		
85	64.2	45.8	85.0
131	11.2	8.9	13.3





#59

1,2,3-Trichloropropane

Concen: 54.740 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

Instrument :

MSVOA_V

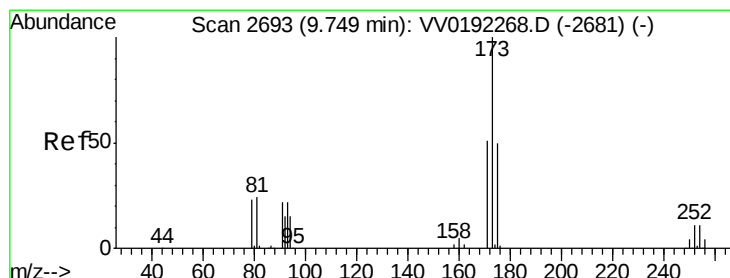
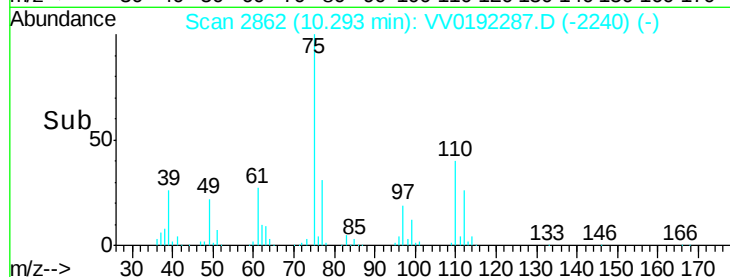
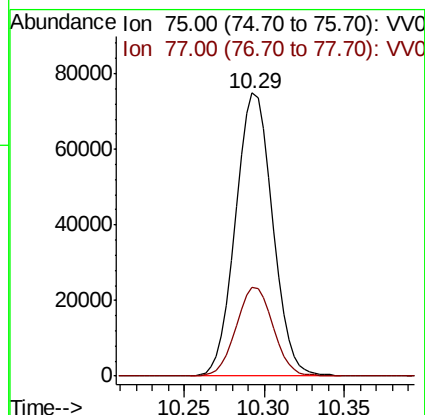
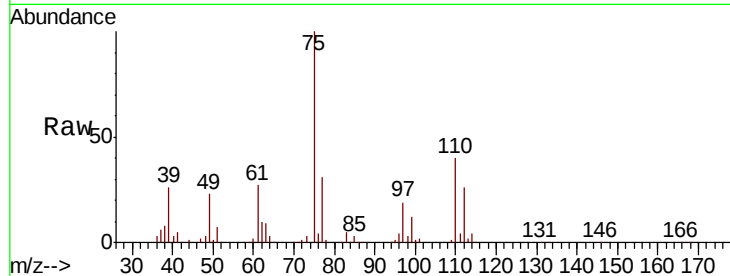
ClientSampleId :

Tot Ion: 75 Resp: 118296

Ion Ratio Lower Upper

75 100

77 31.4 26.2 39.4



#61

Bromoform

Concen: 49.251 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

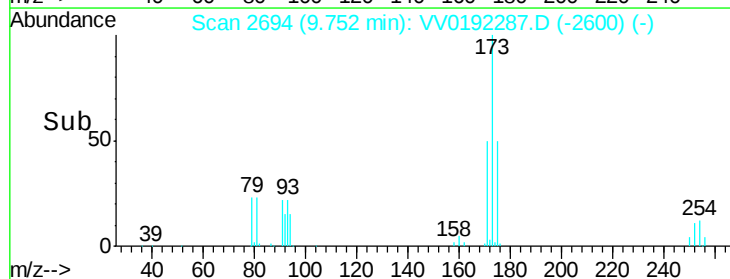
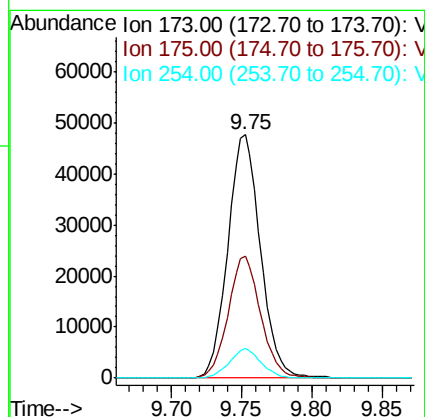
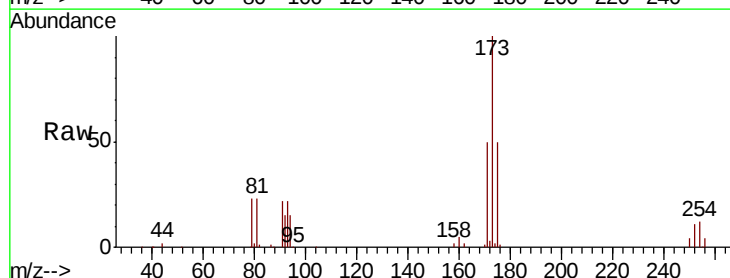
Tgt Ion: 173 Resp: 77027

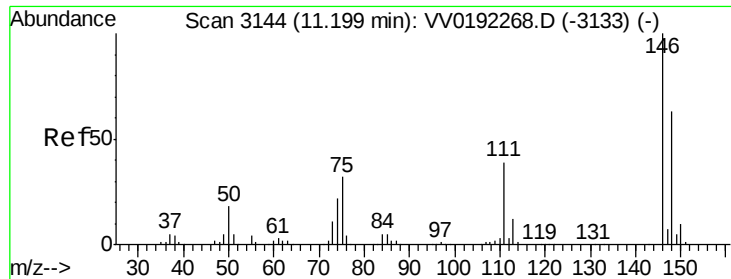
Ion Ratio Lower Upper

173 100

175 49.8 39.8 59.6

254 11.6 9.7 14.5





#62

1,3-Dichlorobenzene

Concen: 48.847 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

Instrument :

MSVOA_V

ClientSampleId :

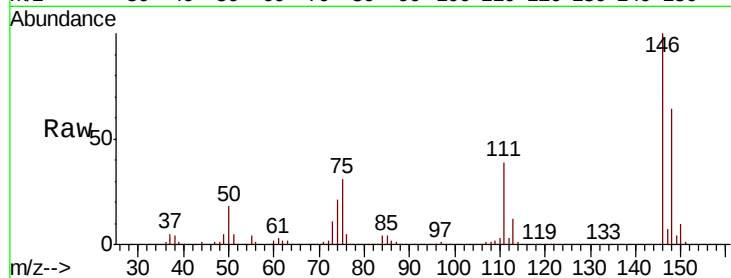
Tot Ion:146 Resp: 195348

Ion Ratio Lower Upper

146 100

111 38.6 27.1 50.3

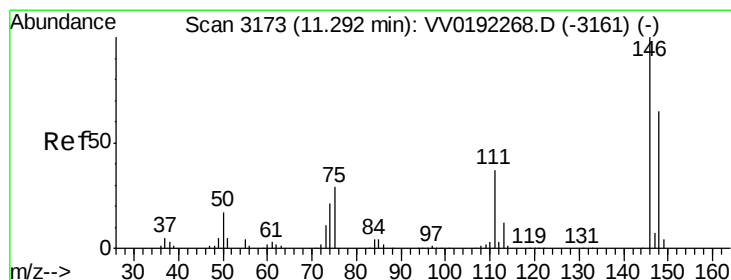
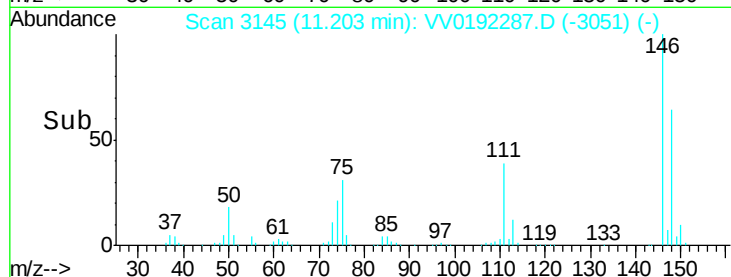
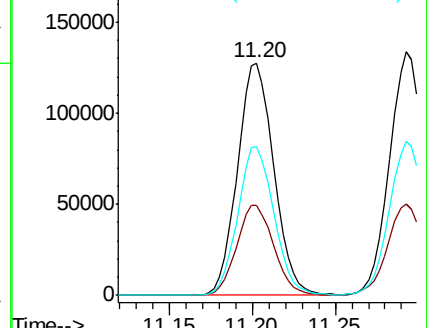
148 64.3 44.7 83.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 47.766 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

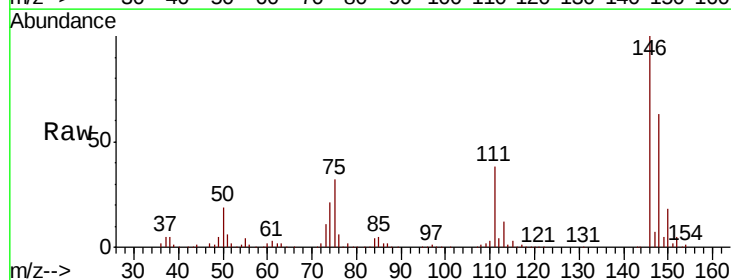
Tgt Ion:146 Resp: 198525

Ion Ratio Lower Upper

146 100

111 37.7 25.8 48.0

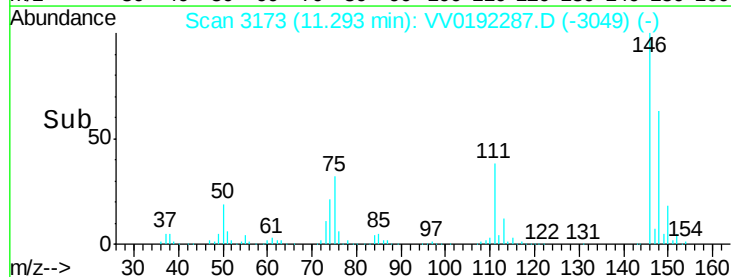
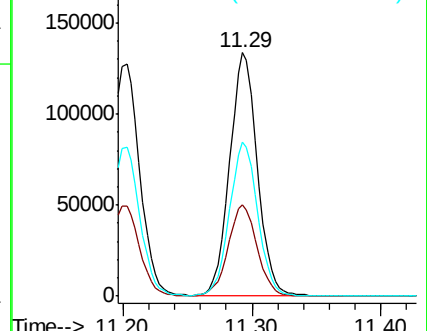
148 63.2 44.0 81.6

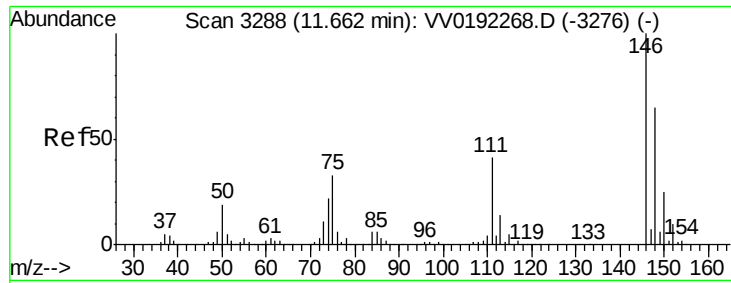


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.943 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

Instrument :

MSVOA_V

ClientSampleId :

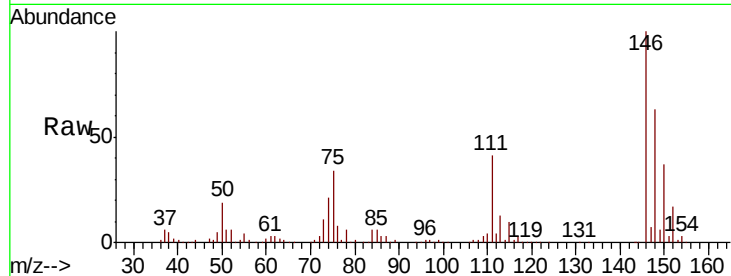
Tot Ion:146 Resp: 197859

Ion Ratio Lower Upper

146 100

111 41.0 32.2 48.4

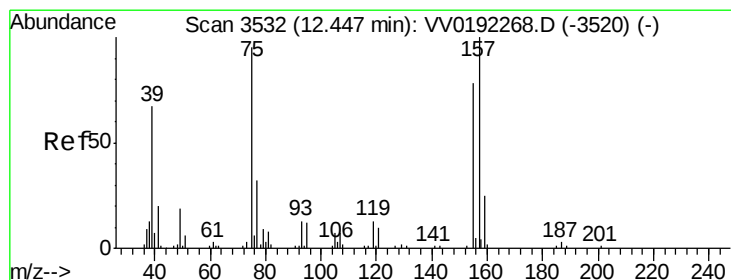
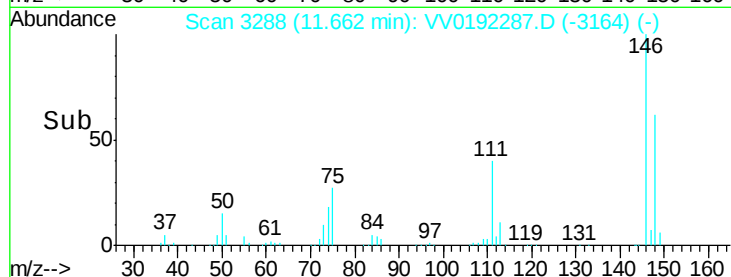
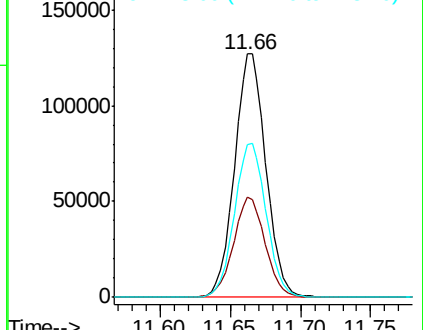
148 62.7 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 50.685 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

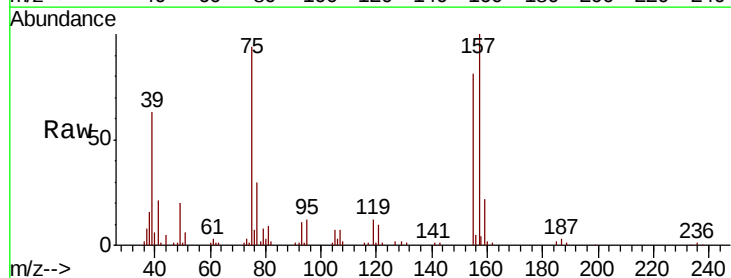
Tgt Ion: 75 Resp: 34358

Ion Ratio Lower Upper

75 100

155 85.8 71.1 106.7

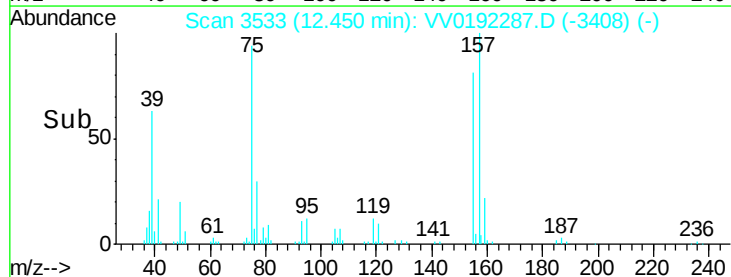
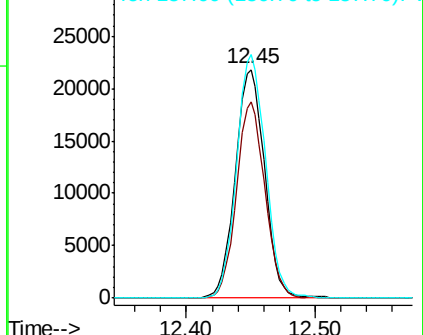
157 106.4 90.5 135.7

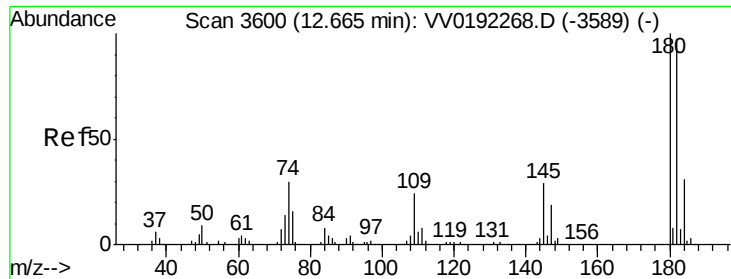


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

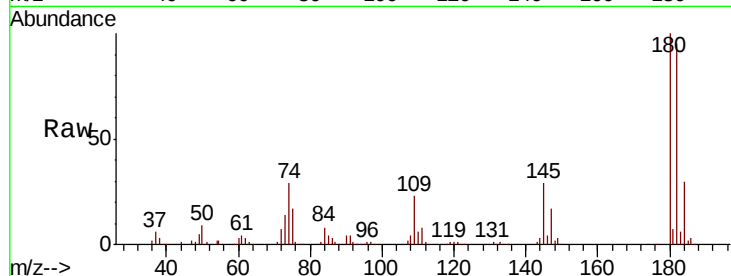




#67
 1,3,5-Trichlorobenzene
 Concen: 46.663 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV0192287.D
 Acq: 05 Nov 2020 18:43

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.1	114.1
184	30.2	24.5	36.7
145	28.5	22.7	34.1

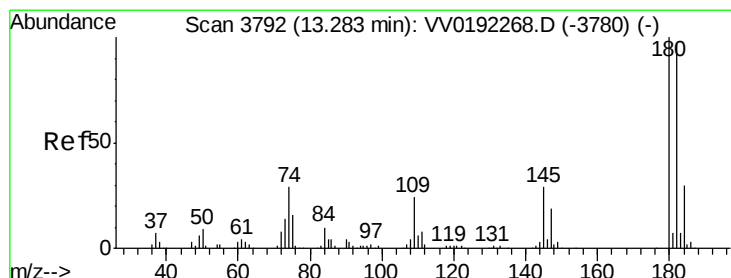
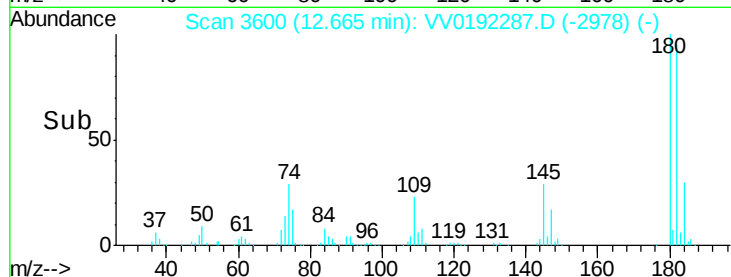
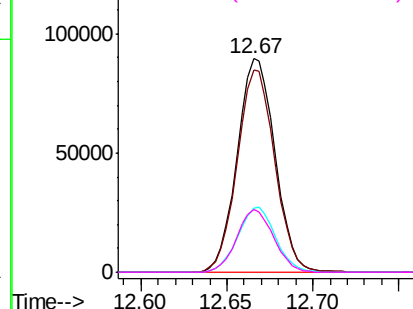


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

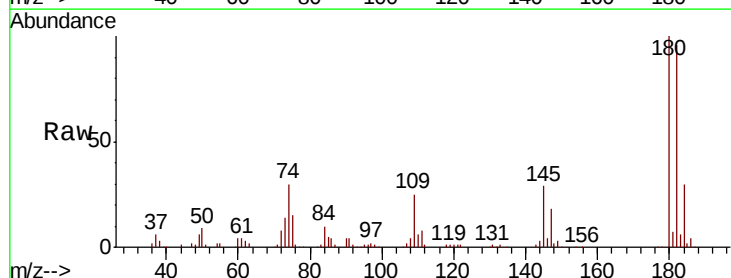
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 46.514 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV0192287.D
 Acq: 05 Nov 2020 18:43

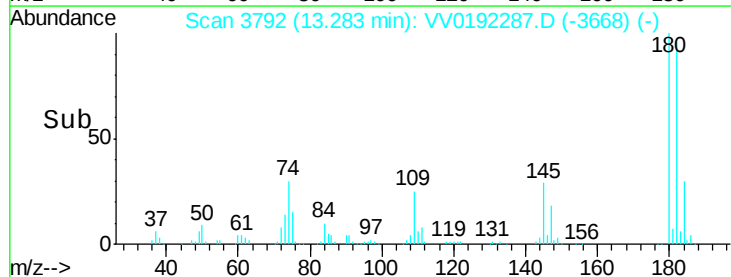
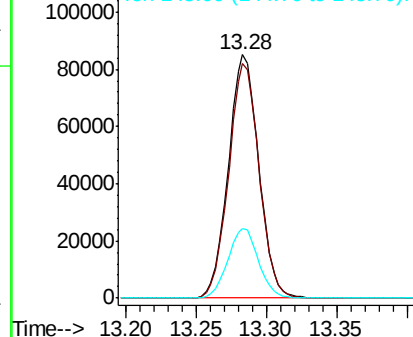
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.8	113.6
145	28.9	22.6	34.0

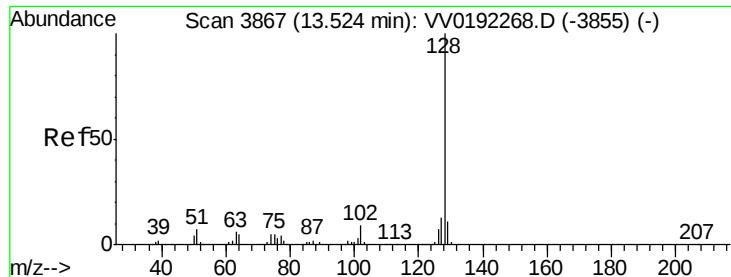


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.584 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

Instrument :

MSVOA_V

ClientSampleId :

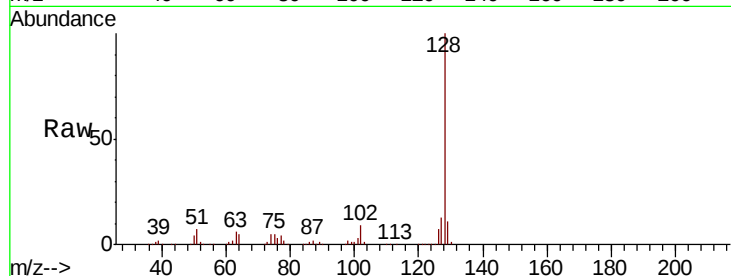
Tot Ion:128 Resp: 398520

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

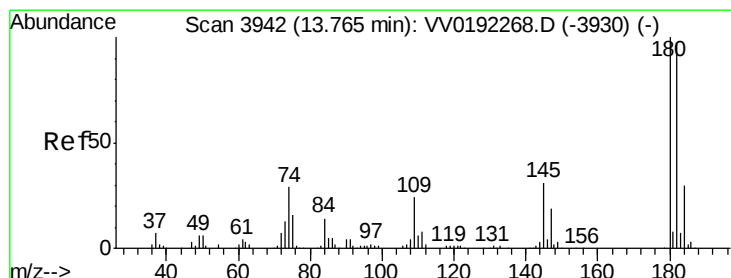
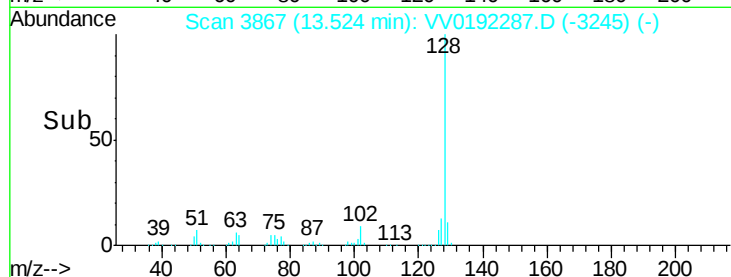
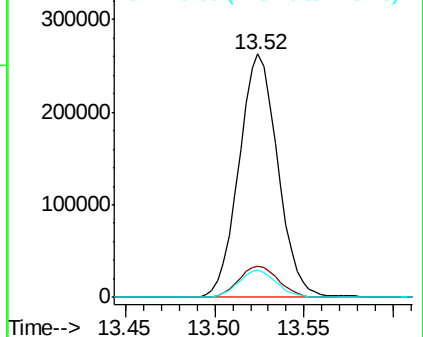
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.178 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV0192287.D

Acq: 05 Nov 2020 18:43

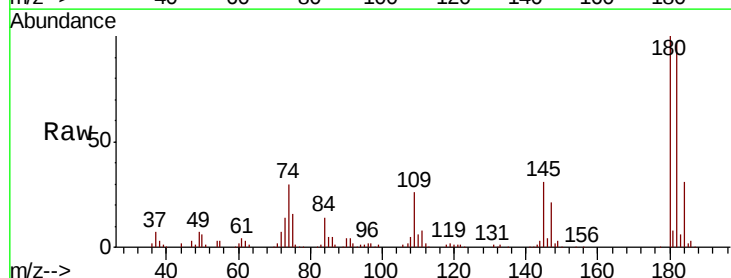
Tgt Ion:180 Resp: 132741

Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.4

145 31.7 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

