

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120720\
 Data File : VV019490.D
 Acq On : 07 Dec 2020 13:45
 Operator : SY/MD
 Sample : VSTD20063
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

Quant Time: Dec 07 14:11:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 07 13:33:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	346419	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	340914	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	169355	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	424358	130.18	ug/L	0.00
7) Chloroethane-d5	1.56	69	542875	202.90	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.12	63	987591	165.27	ug/L	0.00
21) 2-Butanone-d5	3.89	46	713099	351.94	ug/L	0.00
24) Chloroform-d	4.37	84	994799	180.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	671385	184.79	ug/L	0.00
32) Benzene-d6	5.07	84	1922800	191.69	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	652106	194.77	ug/L	0.00
41) Toluene-d8	7.33	98	1720819	192.84	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	333092	207.27	ug/L	0.00
47) 2-Hexanone-d5	8.10	63	507258	406.58	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.23	84	825904	193.09	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	626918	192.48	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.13	85	281576	109.574	ug/L	98
3) Chloromethane	1.24	50	323116	95.762	ug/L	96
5) Vinyl chloride	1.32	62	402660	120.277	ug/L	99
6) Bromomethane	1.52	94	525810	240.267	ug/L	100
8) Chloroethane	1.58	64	302572	140.018	ug/L	98
9) Trichlorofluoromethane	1.76	101	641299	148.588	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	383631	163.055	ug/L	99
12) 1,1-Dichloroethene	2.13	96	366445	152.475	ug/L	94
13) Acetone	2.17	43	734146	432.516	ug/L	99
14) Carbon disulfide	2.30	76	973696	141.190	ug/L	100
15) Methyl Acetate	2.44	43	643323	195.522	ug/L	99
16) Methylene chloride	2.52	84	487041	169.408	ug/L	99
17) trans-1,2-Dichloroethene	2.77	96	419785	172.569	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	1652420	207.245	ug/L	99
19) 1,1-Dichloroethane	3.21	63	980650	191.432	ug/L	100
20) cis-1,2-Dichloroethene	3.93	96	507718	188.127	ug/L	96
22) 2-Butanone	3.97	43	1059602	482.073	ug/L	98
23) Bromochloromethane	4.27	128	241067	169.821	ug/L	97
25) Chloroform	4.40	83	962658	187.154	ug/L	99
27) 1,2-Dichloroethane	5.15	62	803512	197.328	ug/L	99
29) Cyclohexane	4.70	56	753799	211.086	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	808742	195.932	ug/L	99
31) Carbon tetrachloride	4.85	117	662233	188.222	ug/L	98
33) Benzene	5.12	78	1938537	191.367	ug/L	100
34) Trichloroethene	5.93	95	508470	179.960	ug/L	99
35) Methylcyclohexane	6.15	83	682417	204.915	ug/L	98
37) 1,2-Dichloropropane	6.19	63	584470	204.933	ug/L	100
38) Bromodichloromethane	6.53	83	759891	202.229	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	896197	215.539	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	1900748	468.491	ug/L	99

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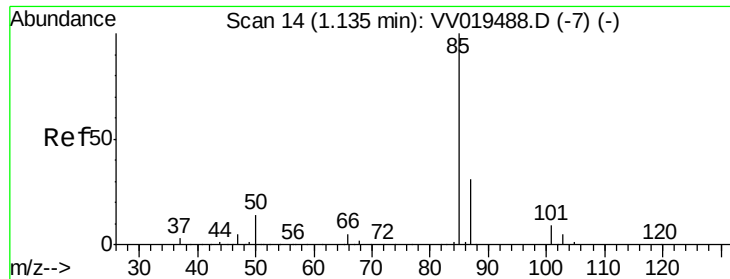
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	2002530	191.713	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	904634	218.707	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	513851	195.621	ug/L	99
46) Tetrachloroethene	7.99	164	324899	169.636	ug/L	98
48) 2-Hexanone	8.15	43	1488743	462.722	ug/L	98
49) Dibromochloromethane	8.26	129	561165	195.518	ug/L	100
50) 1,2-Dibromoethane	8.37	107	520943	189.056	ug/L	100
51) Chlorobenzene	8.90	112	1269194	184.451	ug/L	100
52) Ethylbenzene	9.03	91	2270661	201.966	ug/L	99
53) m,p-Xylene	9.16	106	808776	196.291	ug/L	96
54) o-xylene	9.56	106	809536	201.880	ug/L	100
55) Styrene	9.58	104	1450038	201.539	ug/L	100
56) Isopropylbenzene	9.95	105	2175731	205.151	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	856651	212.341	ug/L	97
59) 1,2,3-Trichloropropane	10.29	75	718204	194.717	ug/L	99
61) Bromoform	9.75	173	414044	214.186	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	990577	201.245	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	1001282	193.770	ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	1034892	204.353	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	230756	256.901	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	771547	213.769	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	757641	237.740	ug/L	99
69) Naphthalene	13.52	128	2257937	278.443	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	758958	228.442	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 109.574 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

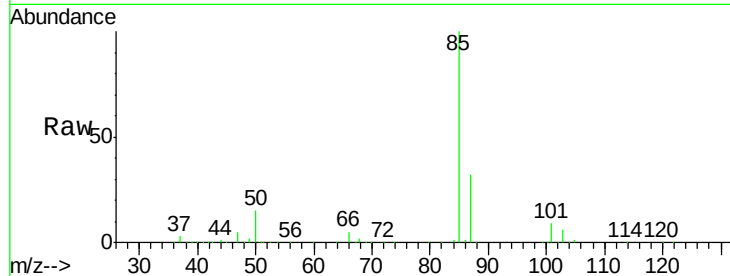
VSTD20063

Tgt Ion: 85 Resp: 281576

Ion Ratio Lower Upper

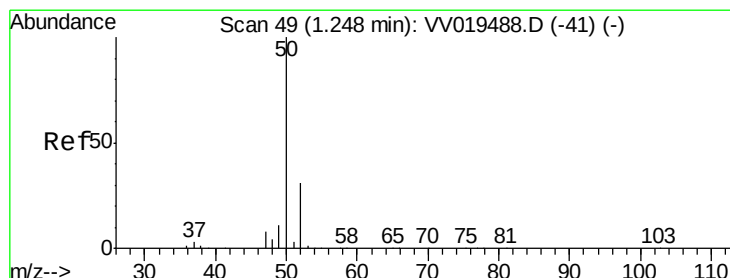
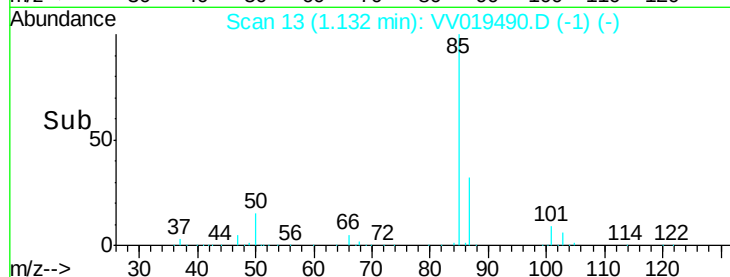
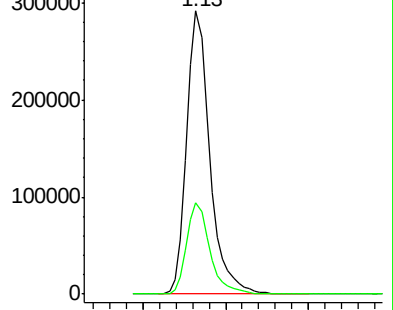
85 100

87 32.7 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV019488.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV019488.D (-7) (-)



#3

Chloromethane

Concen: 95.762 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV019490.D

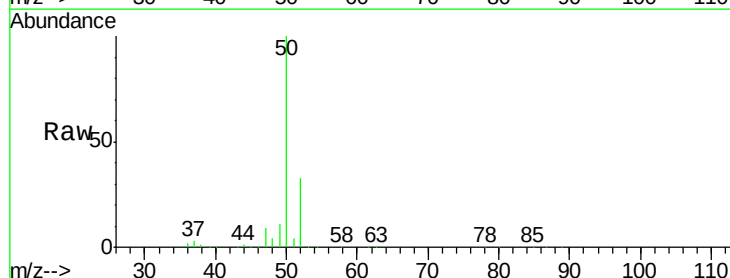
Acq: 07 Dec 2020 13:45

Tgt Ion: 50 Resp: 323116

Ion Ratio Lower Upper

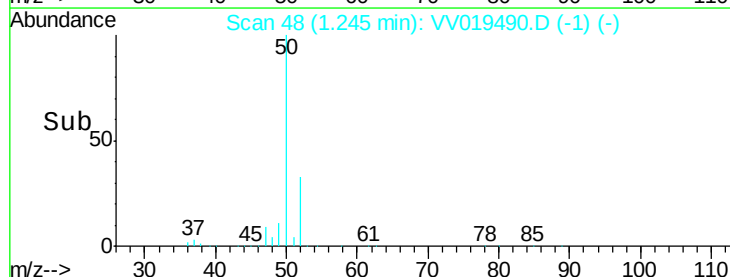
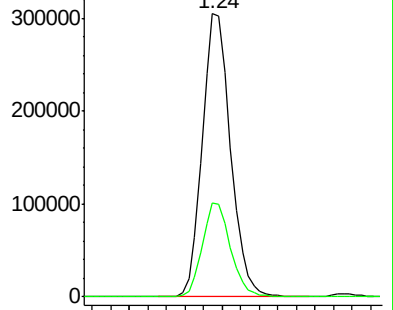
50 100

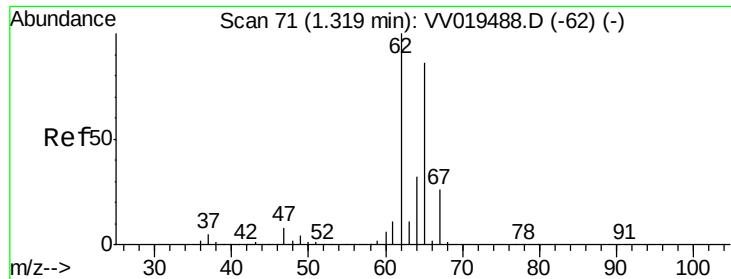
52 33.2 21.7 40.3



Abundance Ion 50.00 (49.70 to 50.70): VV019488.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV019488.D (-41) (-)





#5

Vinyl chloride

Concen: 120.277 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

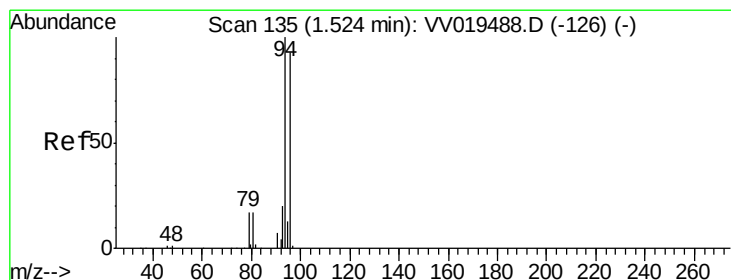
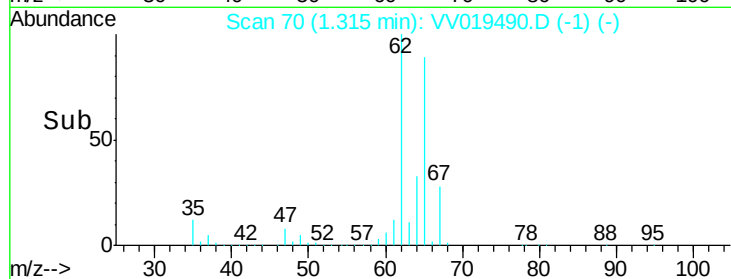
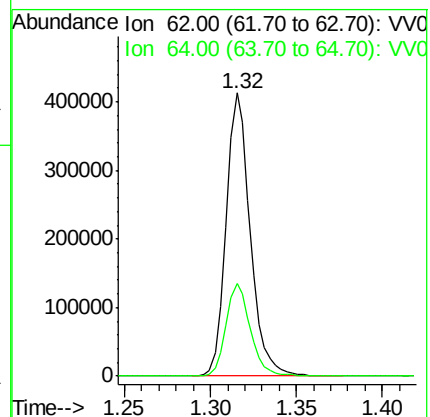
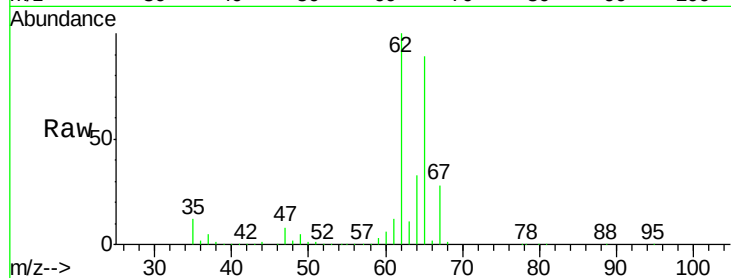
VSTD20063

Tgt Ion: 62 Resp: 402660

Ion Ratio Lower Upper

62 100

64 32.7 22.6 42.0



#6

Bromomethane

Concen: 240.267 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV019490.D

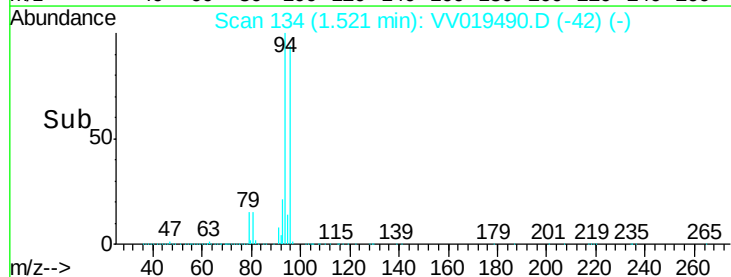
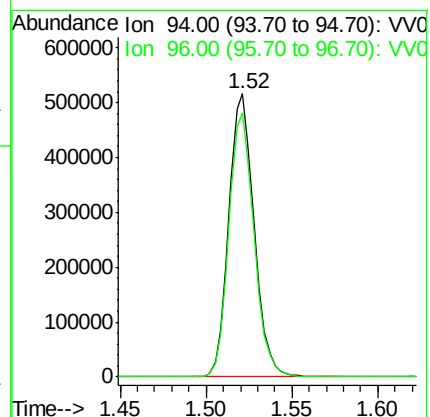
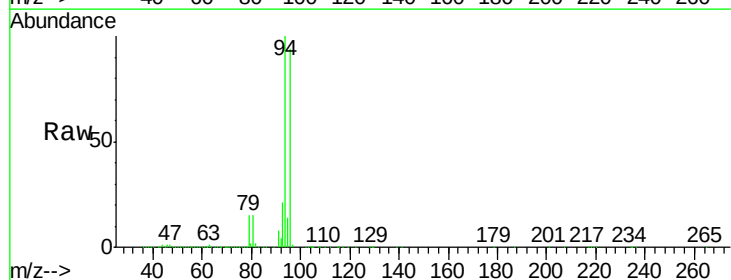
Acq: 07 Dec 2020 13:45

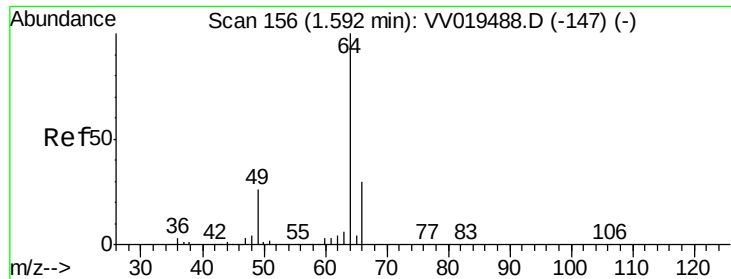
Tgt Ion: 94 Resp: 525810

Ion Ratio Lower Upper

94 100

96 93.6 65.3 121.3





#8

Chloroethane

Concen: 140.018 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.01 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

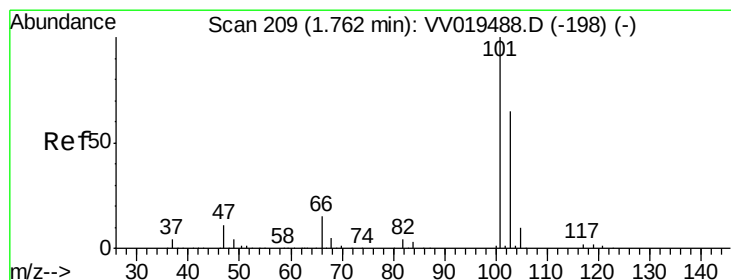
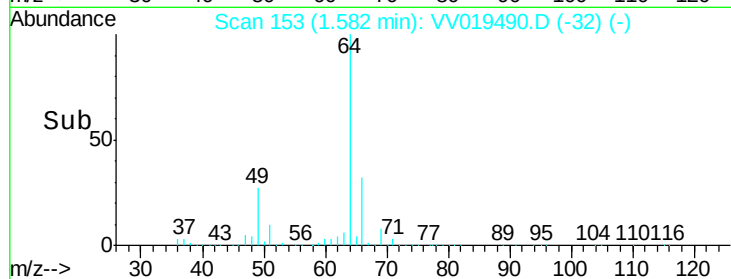
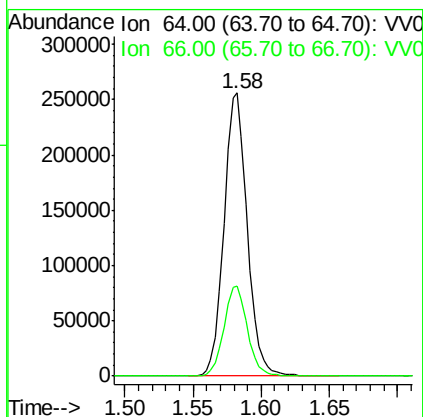
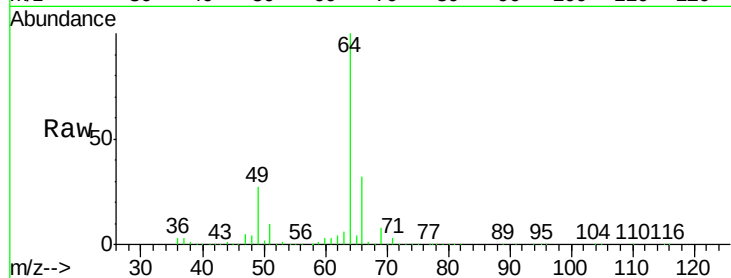
VSTD20063

Tgt Ion: 64 Resp: 302572

Ion Ratio Lower Upper

64 100

66 32.0 21.4 39.8



#9

Trichlorofluoromethane

Concen: 148.588 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.01 min

Lab File: VV019490.D

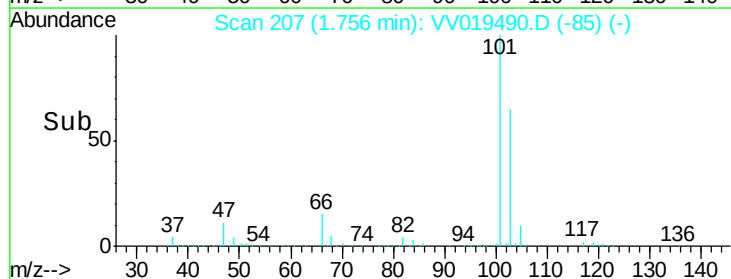
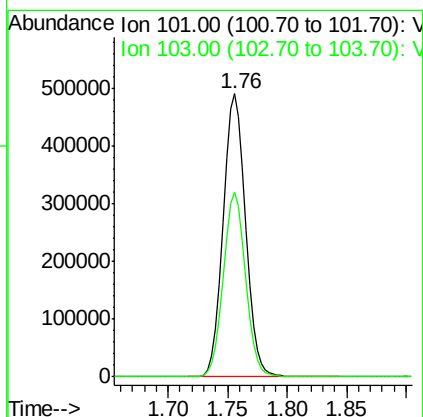
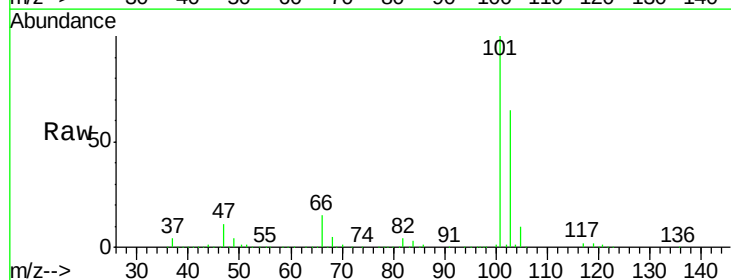
Acq: 07 Dec 2020 13:45

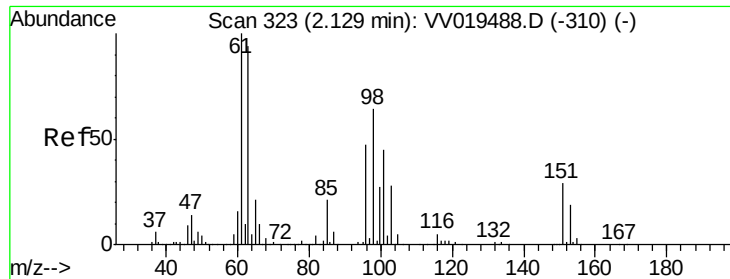
Tgt Ion: 101 Resp: 641299

Ion Ratio Lower Upper

101 100

103 64.8 51.5 77.3





#10

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

Concen: 163.055 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

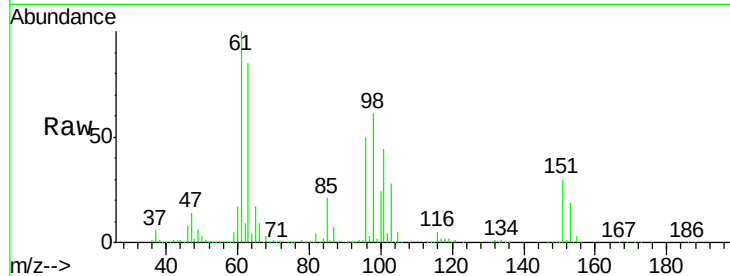
Tgt Ion:101 Resp: 383631

Ion Ratio Lower Upper

101 100

85 46.5 37.3 55.9

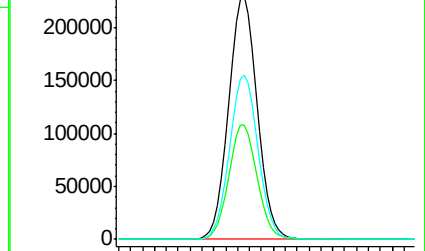
151 67.3 53.3 79.9



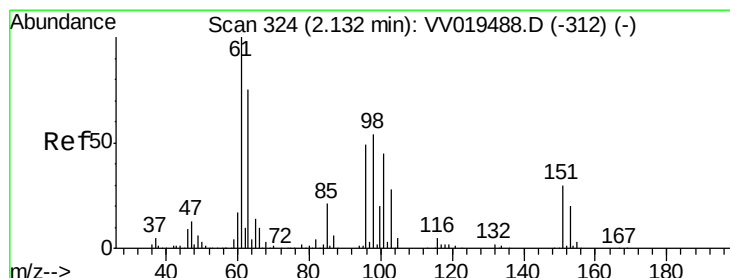
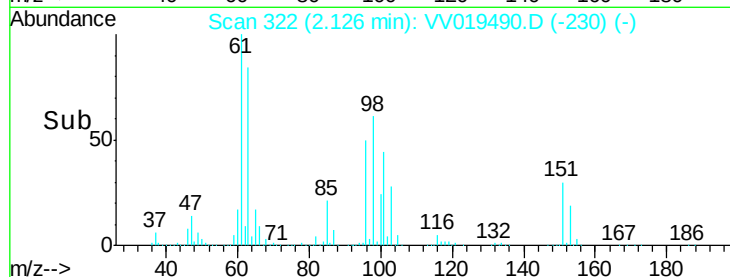
Abundance Ion 101.00 (100.70 to 101.70): VV019488.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV019488.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV019488.D (-310) (-)



Time-->



#12

1,1-Dichloroethene

Concen: 152.475 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

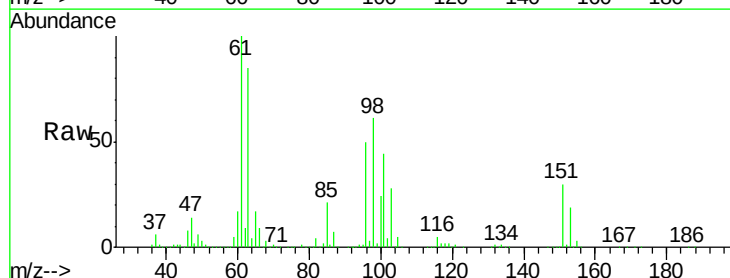
Tgt Ion: 96 Resp: 366445

Ion Ratio Lower Upper

96 100

61 200.4 144.8 268.8

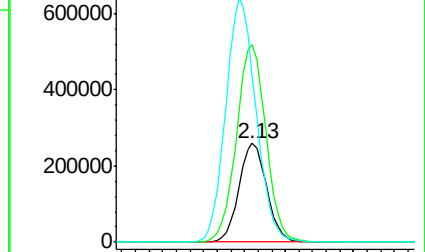
63 169.4 110.0 204.2



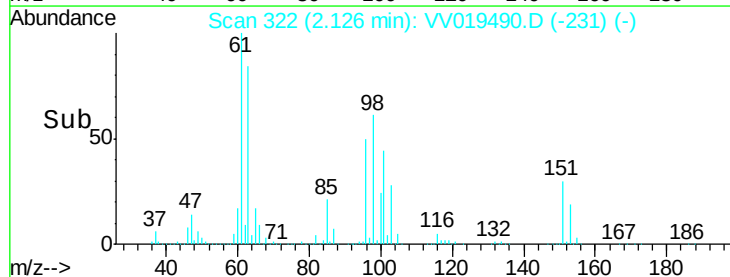
Abundance Ion 96.00 (95.70 to 96.70): VV019488.D (-312) (-)

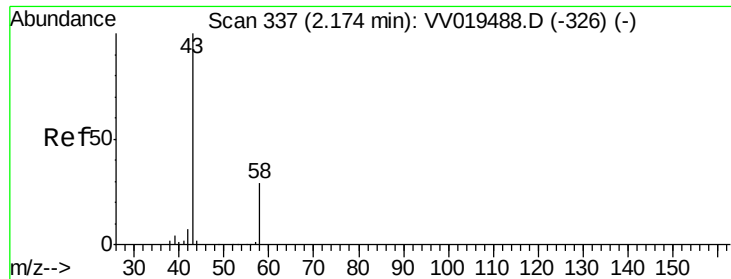
Ion 61.00 (60.70 to 61.70): VV019488.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV019488.D (-312) (-)



Time-->





#13

Acetone

Concen: 432.516 ug/L

RT: 2.17 min Scan# 336

Delta R.T. -0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

Instrument :

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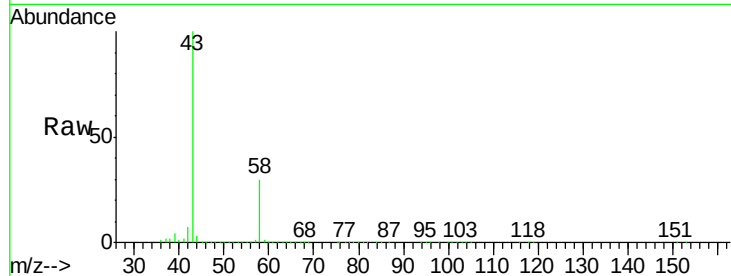
VSTD20063

Tgt Ion: 43 Resp: 734146

Ion Ratio Lower Upper

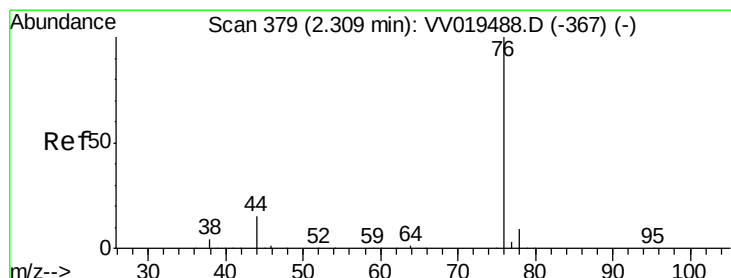
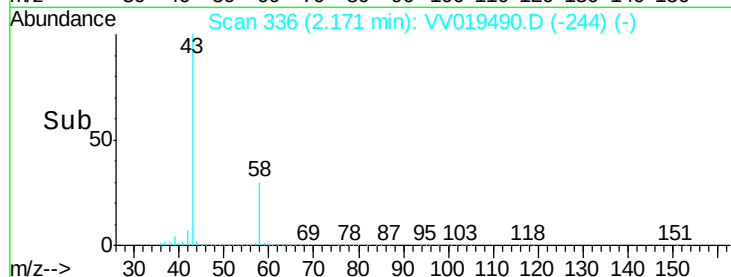
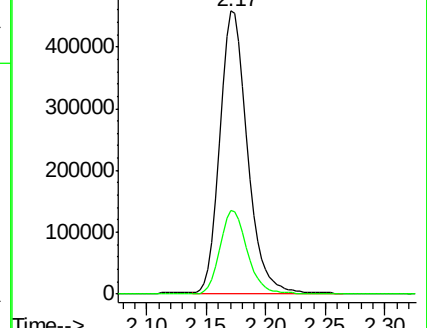
43 100

58 29.6 0.0 58.0



Abundance Ion 43.00 (42.70 to 43.70): VV019488.D (-326) (-)

Ion 58.00 (57.70 to 58.70): VV019488.D (-326) (-)



#14

Carbon disulfide

Concen: 141.190 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.01 min

Lab File: VV019490.D

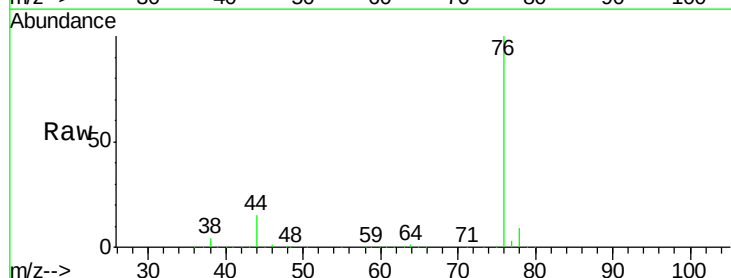
Acq: 07 Dec 2020 13:45

Tgt Ion: 76 Resp: 973696

Ion Ratio Lower Upper

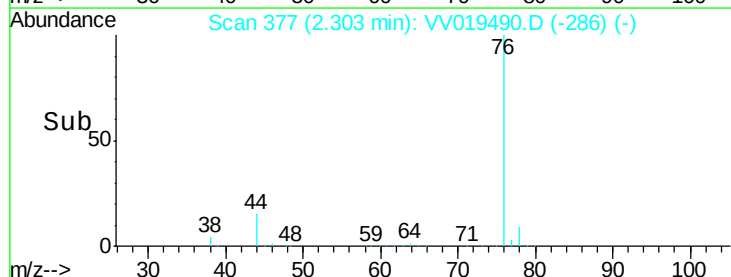
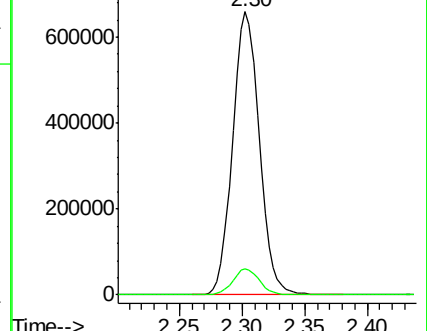
76 100

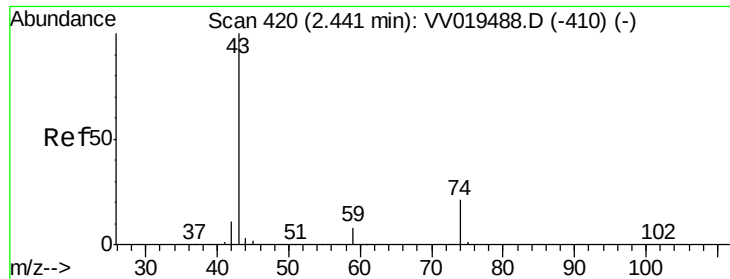
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019488.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV019488.D (-367) (-)

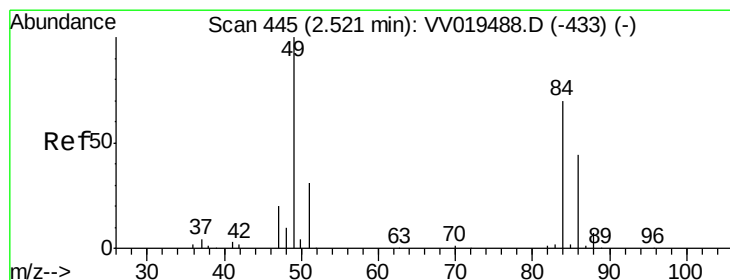
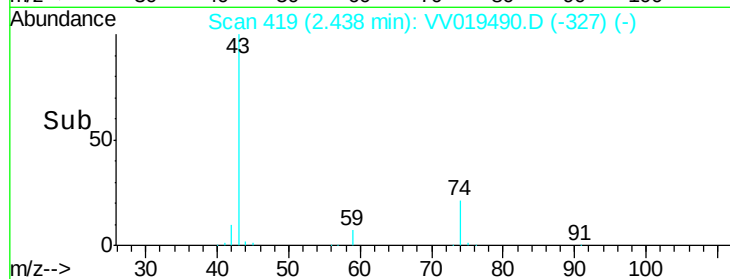
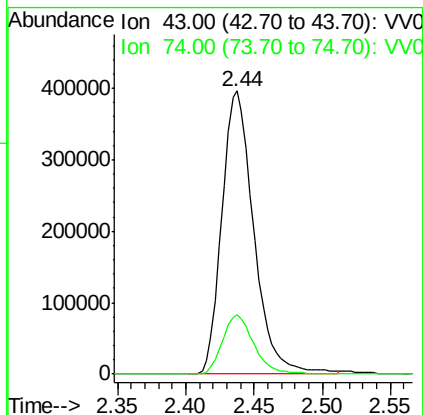
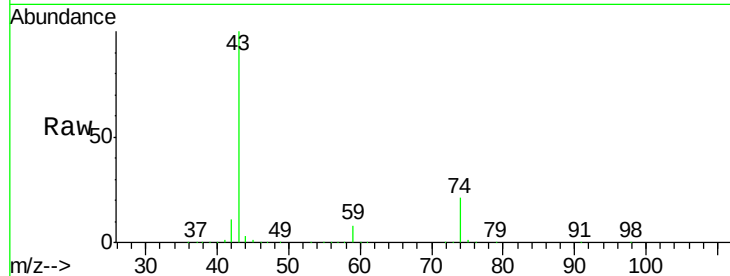




#15
Methyl Acetate
Concen: 195.522 ug/L
RT: 2.44 min Scan# 419
Delta R.T. -0.00 min
Lab File: VV019490.D
Acq: 07 Dec 2020 13:45

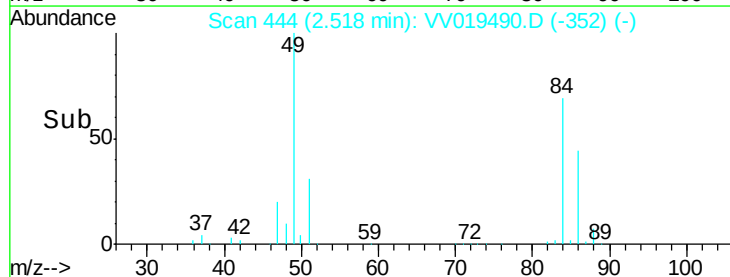
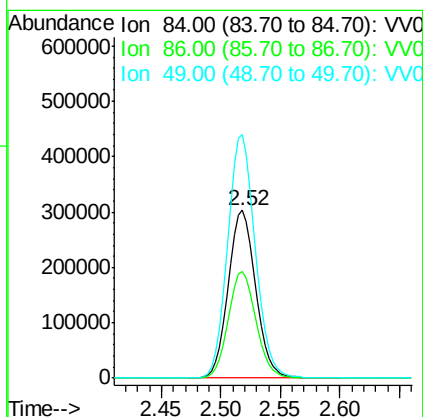
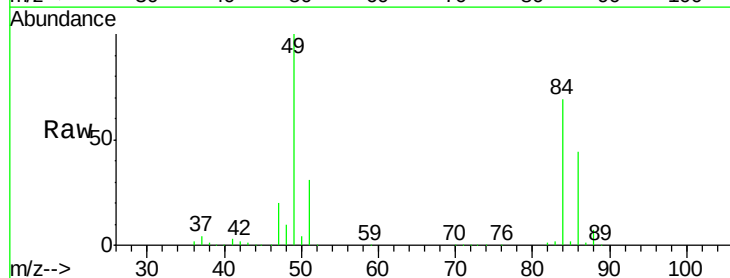
Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

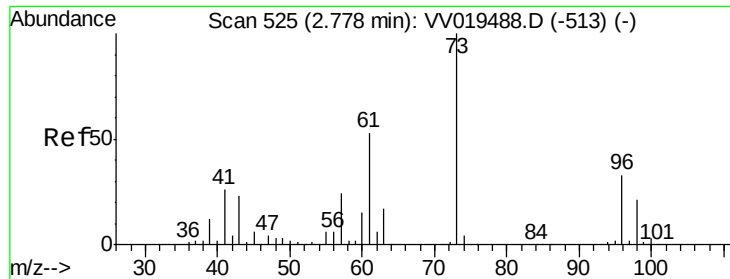
Tgt Ion: 43 Resp: 643323
Ion Ratio Lower Upper
43 100
74 20.8 16.2 24.4



#16
Methylene chloride
Concen: 169.408 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV019490.D
Acq: 07 Dec 2020 13:45

Tgt Ion: 84 Resp: 487041
Ion Ratio Lower Upper
84 100
86 63.8 44.4 82.4
49 145.1 100.4 186.4





#17

trans-1,2-Dichloroethene

Concen: 172.569 ug/L

RT: 2.77 min Scan# 523

Delta R.T. -0.01 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

Instrument :

MSVOA_V

ClientSampled :

VSTD20063

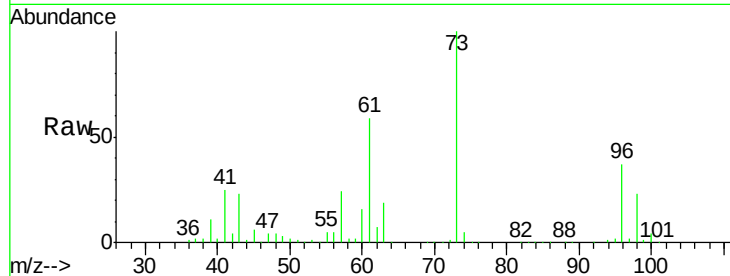
Tgt Ion: 96 Resp: 419785

Ion Ratio Lower Upper

96 100

61 159.3 112.5 208.9

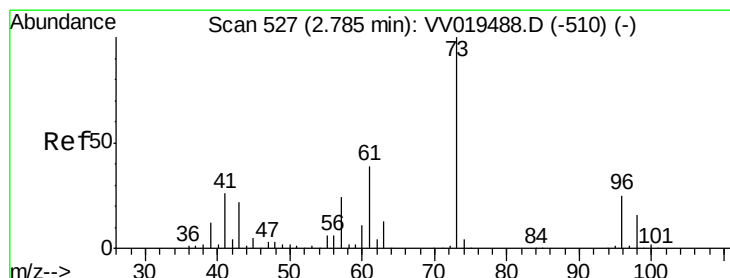
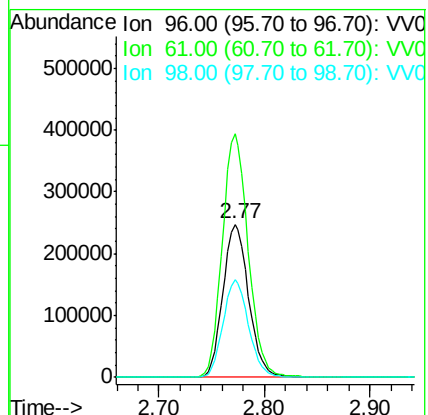
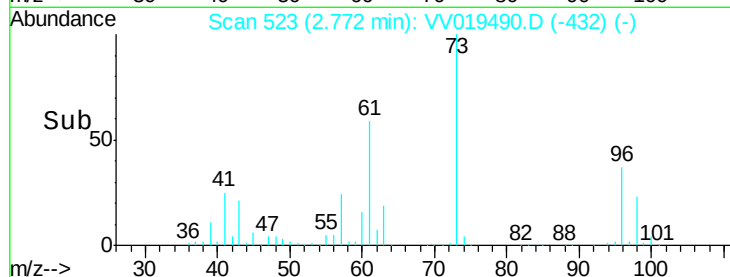
98 63.6 43.4 80.6



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: 207.245 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

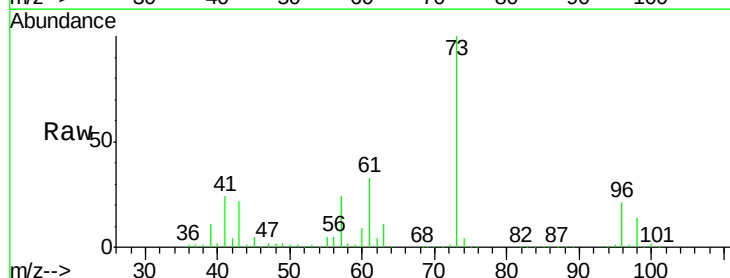
Tgt Ion: 73 Resp: 1652420

Ion Ratio Lower Upper

73 100

43 22.2 18.0 27.0

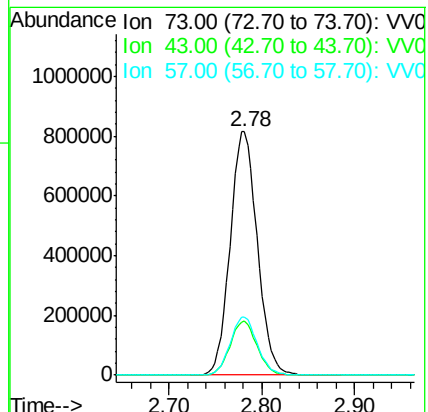
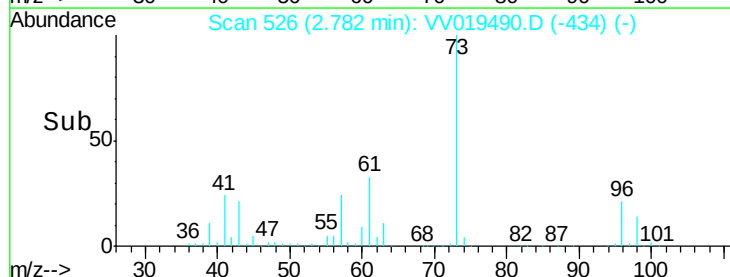
57 23.8 19.4 29.2

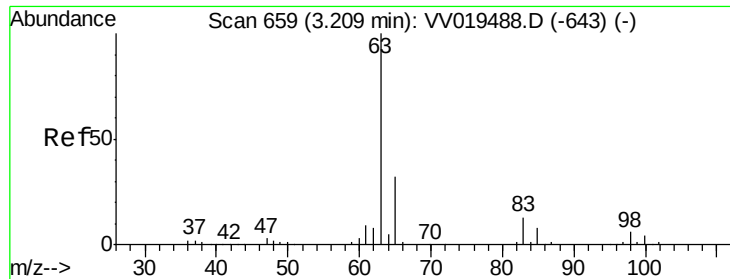


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

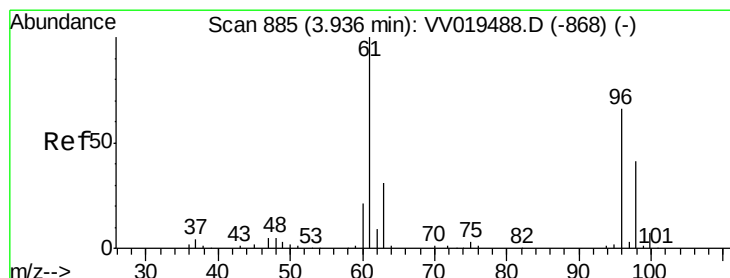
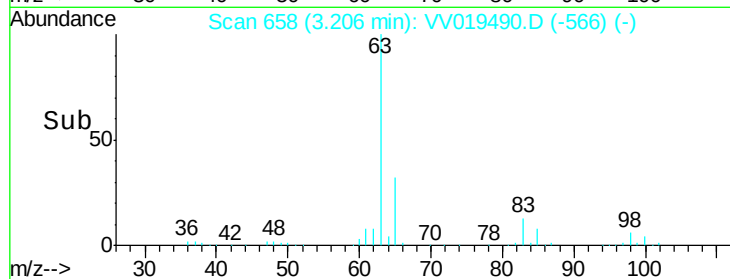
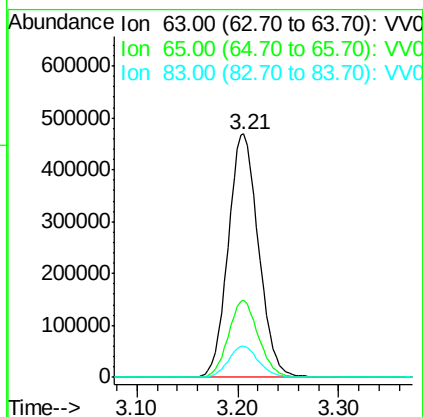
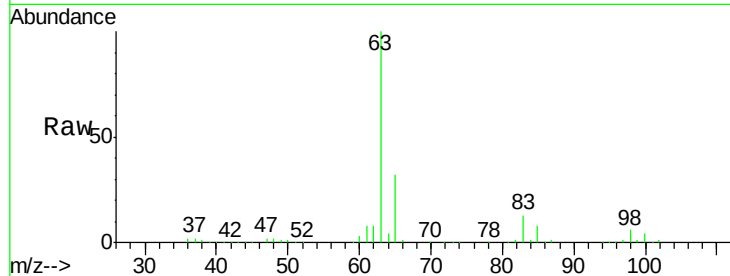




#19
 1,1-Dichloroethane
 Concen: 191.432 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV019490.D
 Acq: 07 Dec 2020 13:45

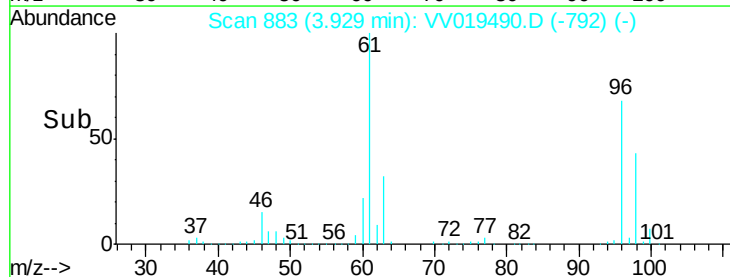
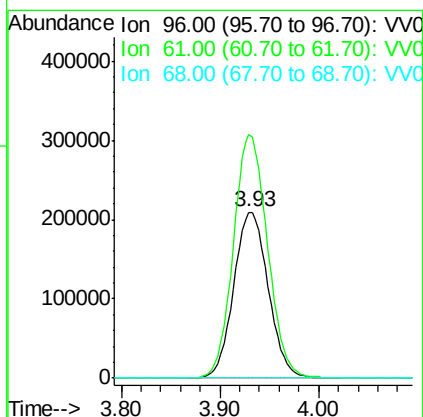
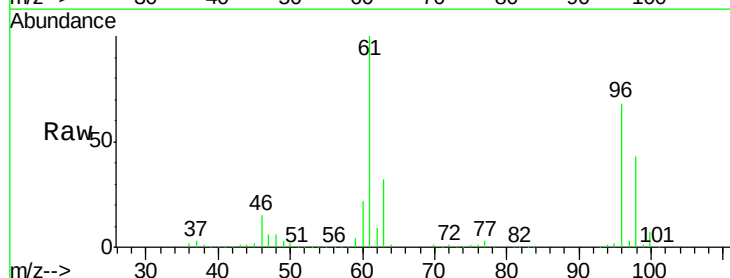
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

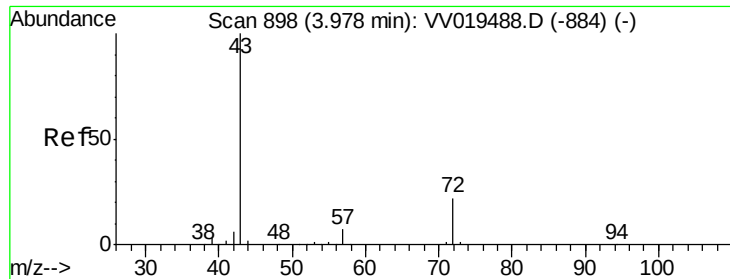
Tgt Ion: 63 Resp: 980650
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.2 41.2
 83 12.8 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 188.127 ug/L
 RT: 3.93 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: VV019490.D
 Acq: 07 Dec 2020 13:45

Tgt Ion: 96 Resp: 507718
 Ion Ratio Lower Upper
 96 100
 61 147.0 106.2 197.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 482.073 ug/L

RT: 3.97 min Scan# 897

Delta R.T. -0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

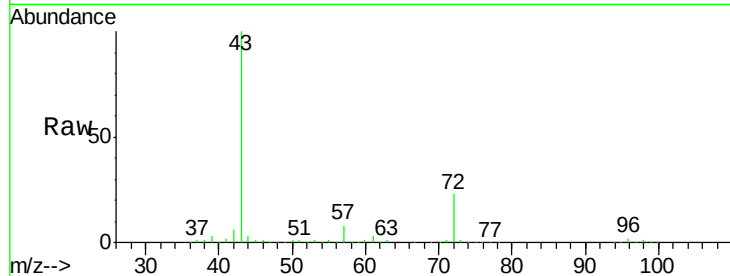
VSTD20063

Tgt Ion: 43 Resp: 1059602

Ion Ratio Lower Upper

43 100

72 23.8 11.5 34.5



Abundance Ion 43.00 (42.70 to 43.70): VV019488.D (-884) (-)

Ion 72.00 (71.70 to 72.70): VV019488.D (-884) (-)

3.97

400000

300000

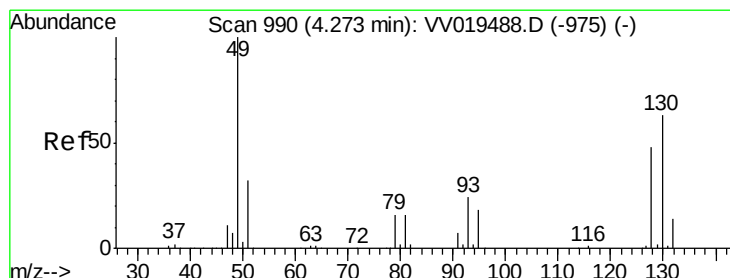
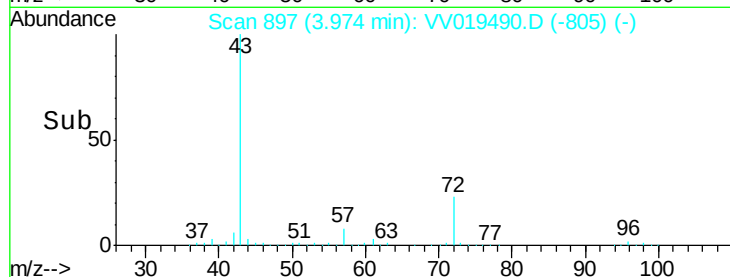
200000

100000

0

3.90 4.00 4.10

Time-->



#23

Bromochloromethane

Concen: 169.821 ug/L

RT: 4.27 min Scan# 988

Delta R.T. -0.01 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

Tgt Ion: 128 Resp: 241067

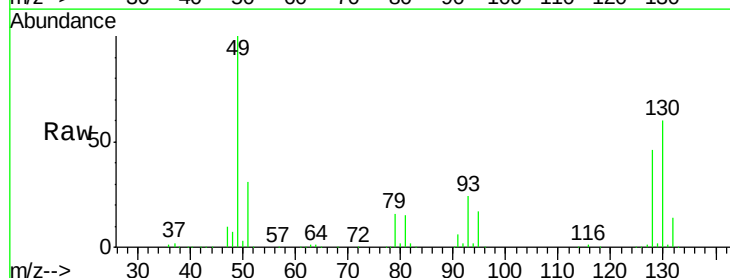
Ion Ratio Lower Upper

128 100

49 216.2 145.7 270.5

130 129.0 91.3 169.5

51 67.5 53.4 80.2



Abundance Ion 128.00 (127.70 to 128.70): VV019490.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV019490.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV019490.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV019490.D (-897) (-)

4.27

300000

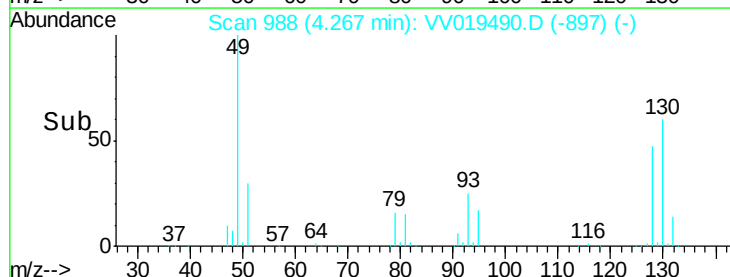
200000

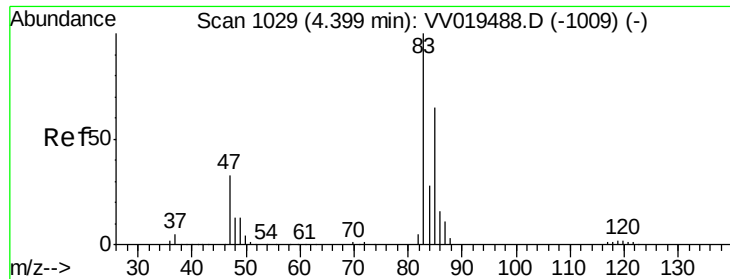
100000

0

4.15 4.20 4.25 4.30 4.35

Time-->

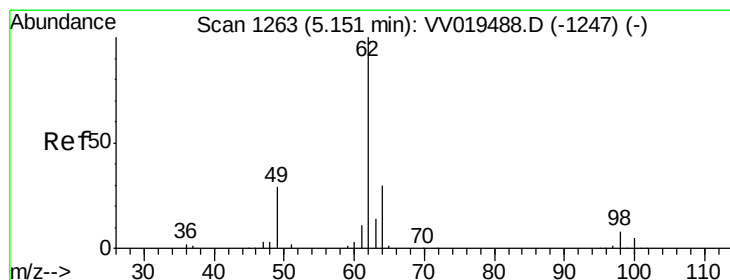
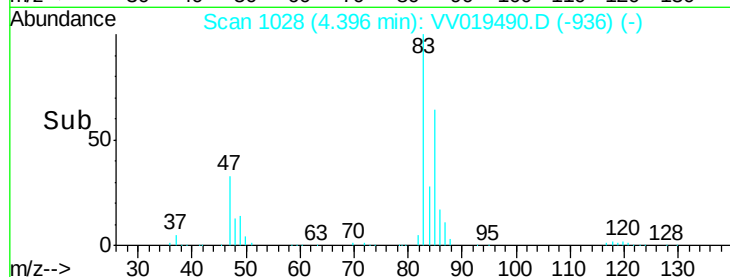
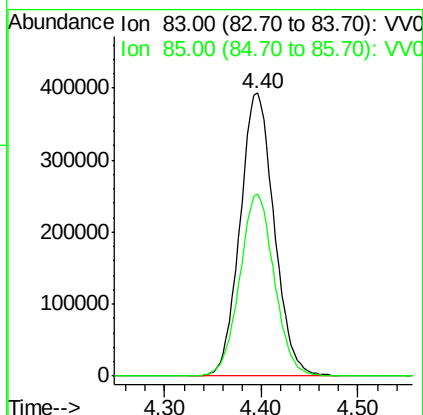
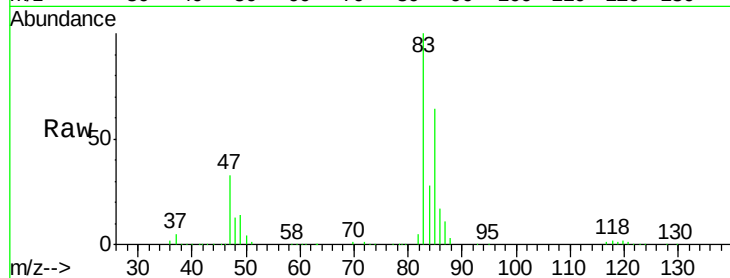




#25
Chloroform
Concen: 187.154 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VV019490.D
Acq: 07 Dec 2020 13:45

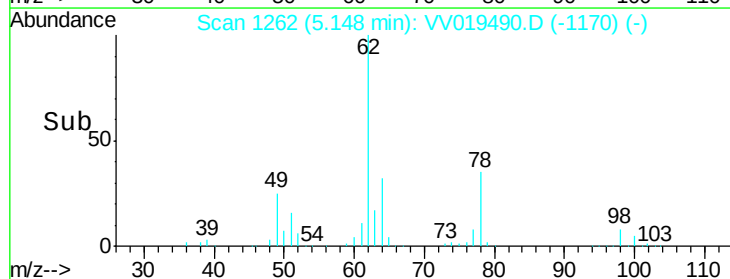
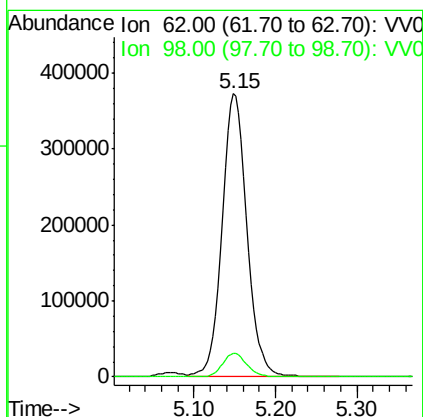
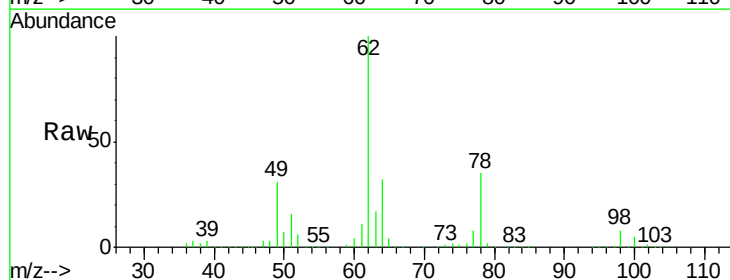
Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

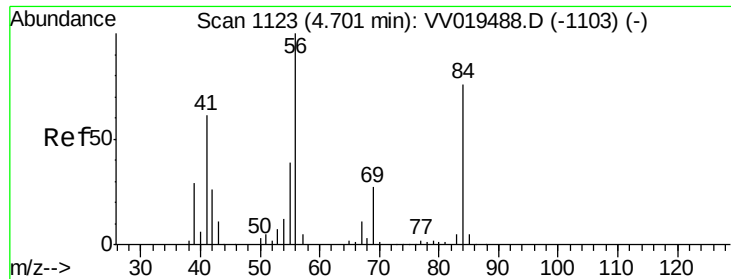
Tgt Ion: 83 Resp: 962658
Ion Ratio Lower Upper
83 100
85 64.2 45.4 84.2



#27
1,2-Dichloroethane
Concen: 197.328 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV019490.D
Acq: 07 Dec 2020 13:45

Tgt Ion: 62 Resp: 803512
Ion Ratio Lower Upper
62 100
98 8.3 6.4 9.6

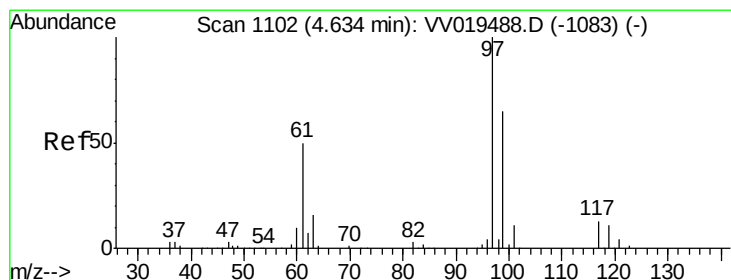
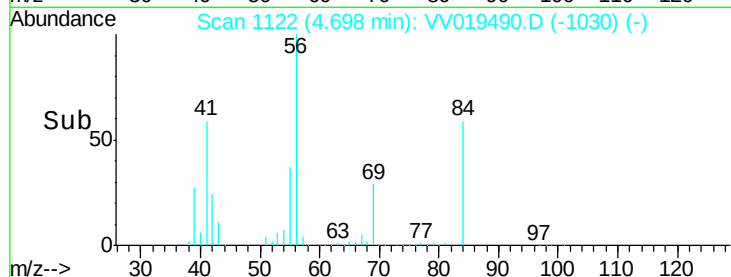
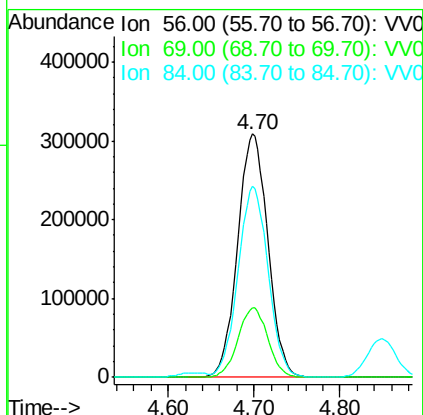
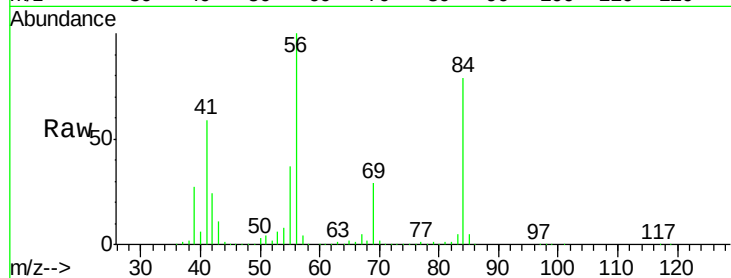




#29
Cyclohexane
Concen: 211.086 ug/L
RT: 4.70 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VV019490.D
Acq: 07 Dec 2020 13:45

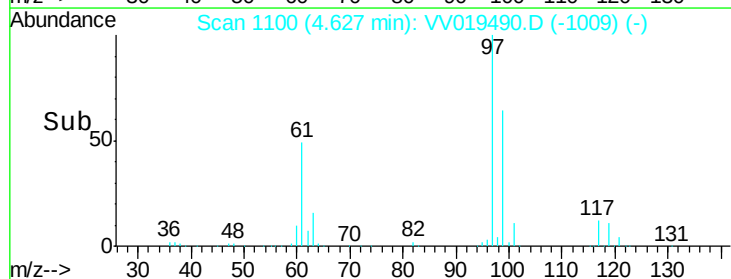
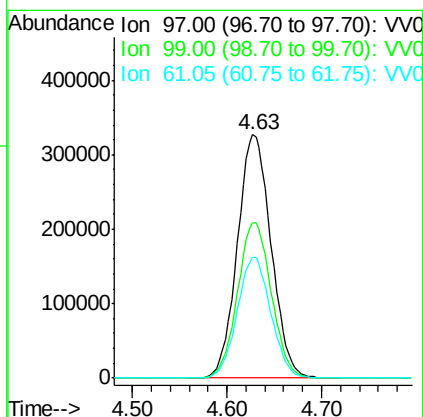
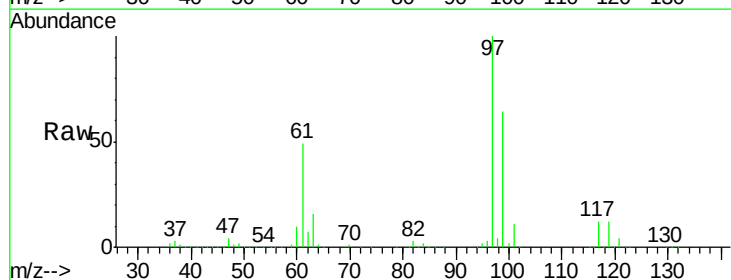
Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

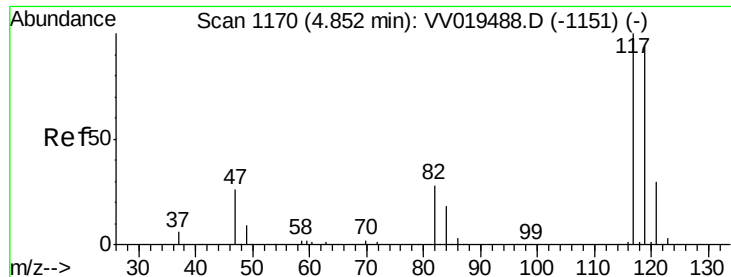
Tgt Ion: 56 Resp: 753799
Ion Ratio Lower Upper
56 100
69 28.4 22.6 34.0
84 78.0 61.9 92.9



#30
1,1,1-Trichloroethane
Concen: 195.932 ug/L
RT: 4.63 min Scan# 1100
Delta R.T. -0.01 min
Lab File: VV019490.D
Acq: 07 Dec 2020 13:45

Tgt Ion: 97 Resp: 808742
Ion Ratio Lower Upper
97 100
99 64.2 51.3 76.9
61 49.4 40.4 60.6





#31

Carbon tetrachloride

Concen: 188.222 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

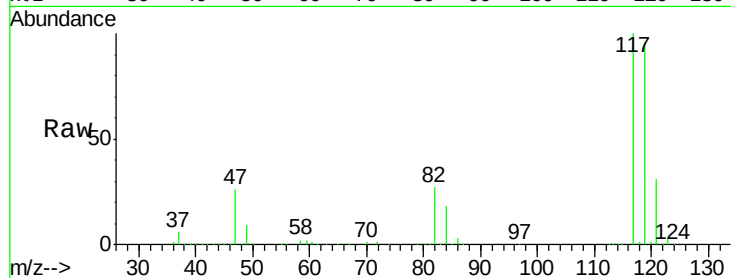
VSTD20063

Tgt Ion:117 Resp: 662233

Ion Ratio Lower Upper

117 100

119 96.1 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.85

300000

250000

200000

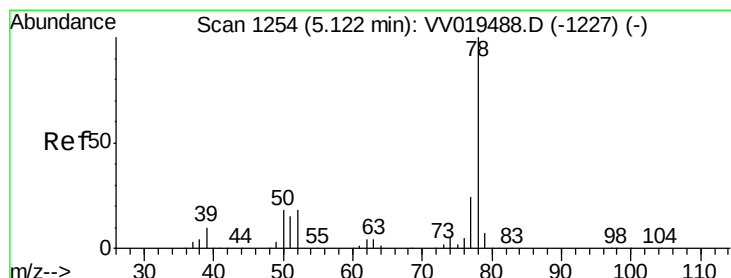
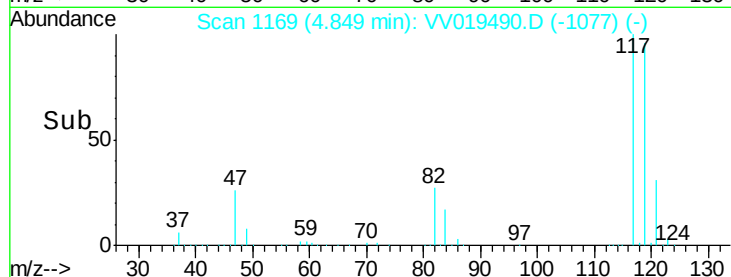
150000

100000

50000

0

Time--> 4.70 4.80 4.90 5.00



#33

Benzene

Concen: 191.367 ug/L

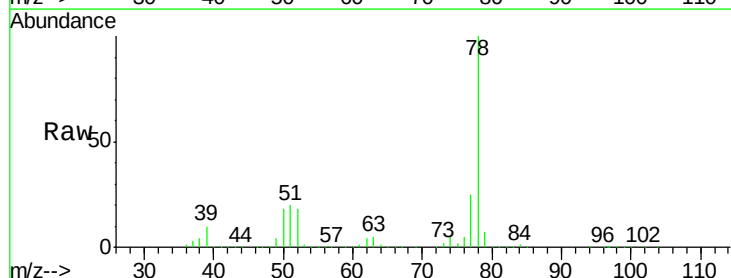
RT: 5.12 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

Tgt Ion: 78 Resp: 1938537



Abundance Ion 78.00 (77.70 to 78.70): VV0

1000000

800000

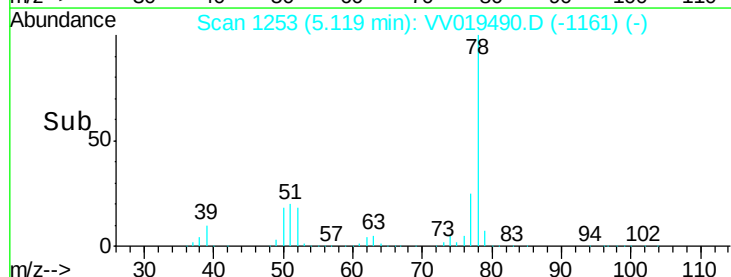
600000

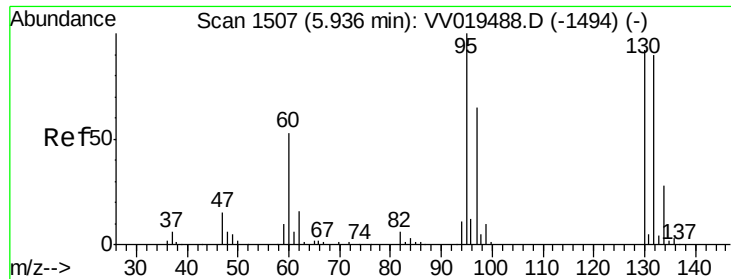
400000

200000

0

Time--> 5.00 5.10 5.20





#34

Trichloroethene

Concen: 179.960 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

Tgt Ion: 95 Resp: 508470

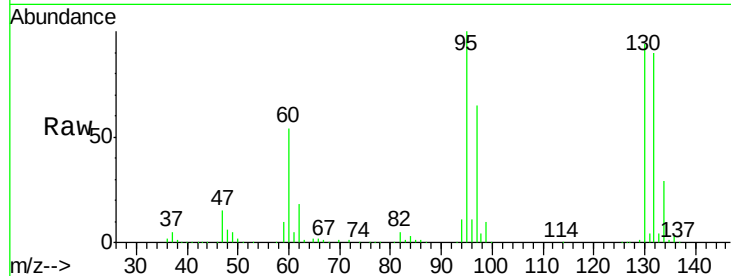
Ion Ratio Lower Upper

95 100

97 64.7 45.5 84.5

132 90.5 62.9 116.9

130 94.5 64.8 120.3

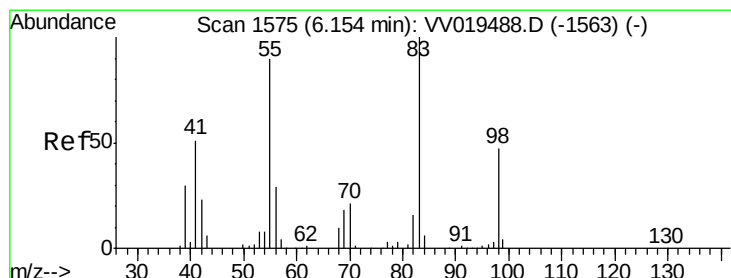
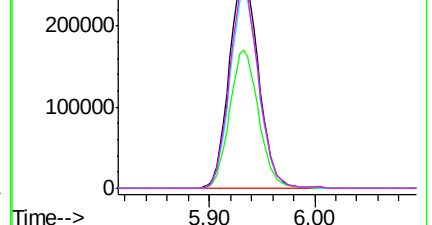
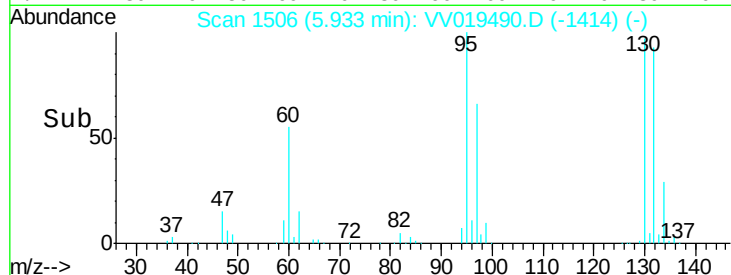


Abundance Ion 95.00 (94.70 to 95.70): VV019488.D (-1494) (-)

Ion 97.00 (96.70 to 97.70): VV019488.D (-1494) (-)

Ion 132.00 (131.70 to 132.70): VV019488.D (-1494) (-)

Ion 130.00 (129.70 to 130.70): VV019488.D (-1494) (-)



#35

Methylcyclohexane

Concen: 204.915 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

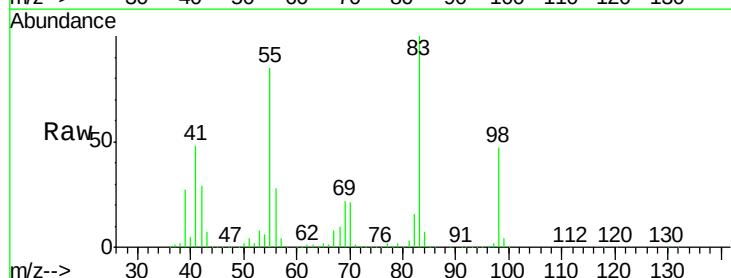
Tgt Ion: 83 Resp: 682417

Ion Ratio Lower Upper

83 100

55 84.9 69.8 104.8

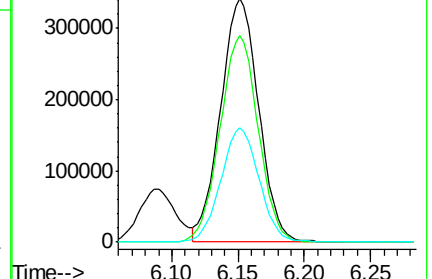
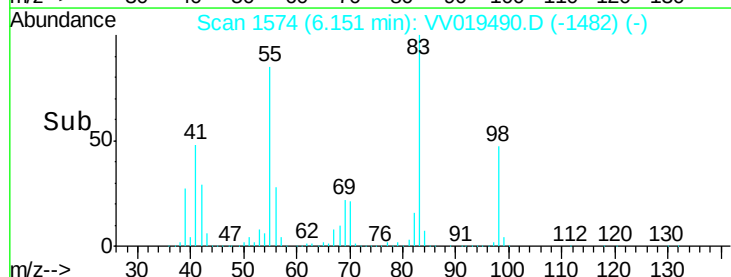
98 46.9 37.0 55.6

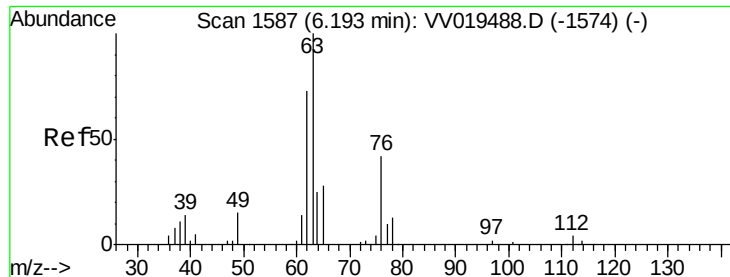


Abundance Ion 83.00 (82.70 to 83.70): VV019488.D (-1563) (-)

Ion 55.00 (54.70 to 55.70): VV019488.D (-1563) (-)

Ion 98.00 (97.70 to 98.70): VV019488.D (-1563) (-)

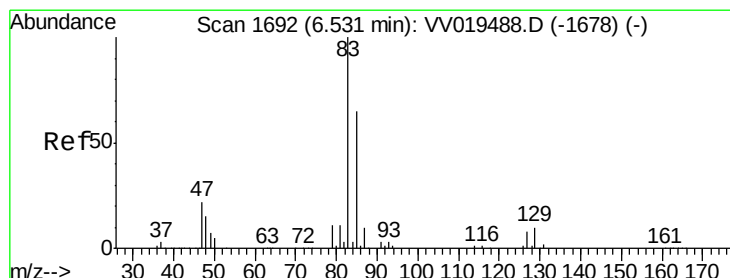
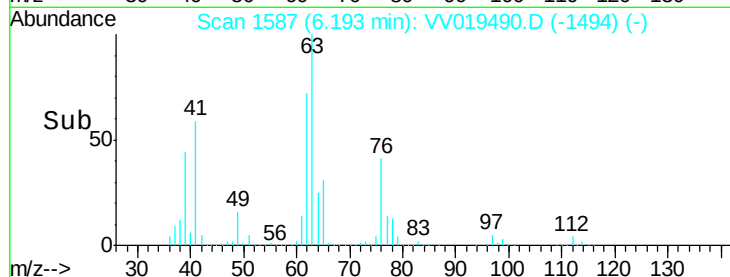
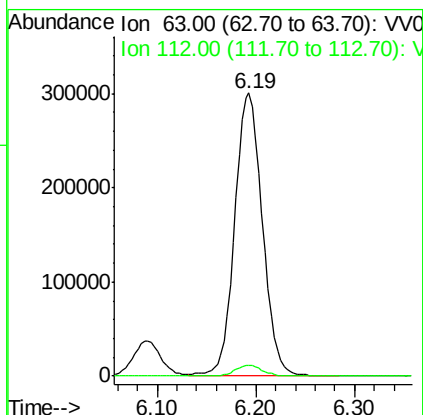
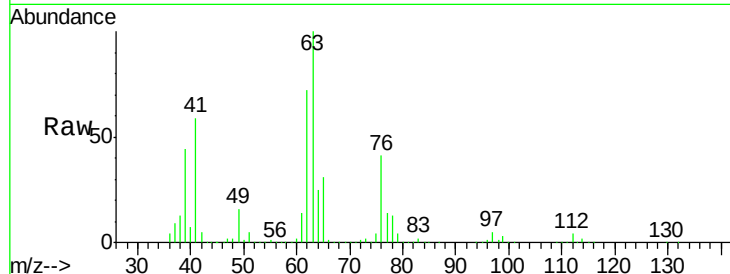




#37
 1,2-Dichloropropane
 Concen: 204.933 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: VV019490.D
 Acq: 07 Dec 2020 13:45

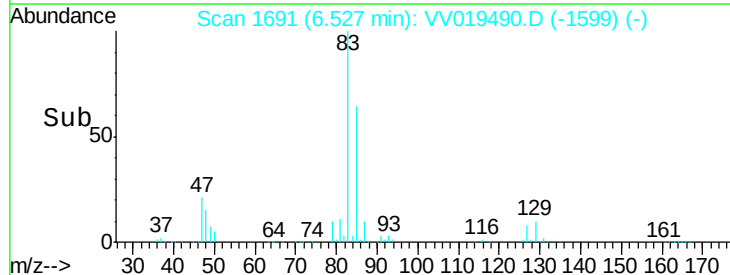
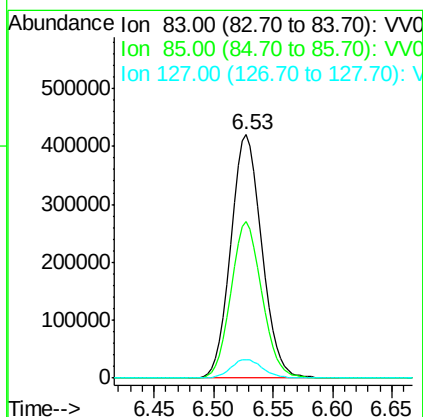
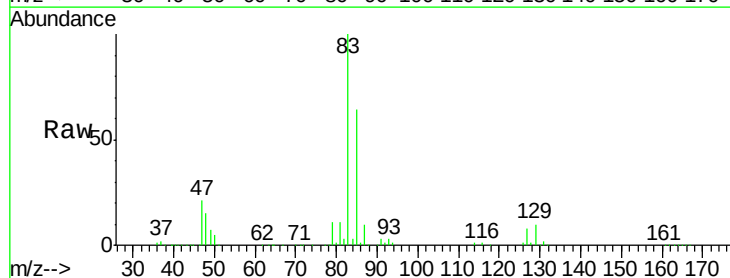
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

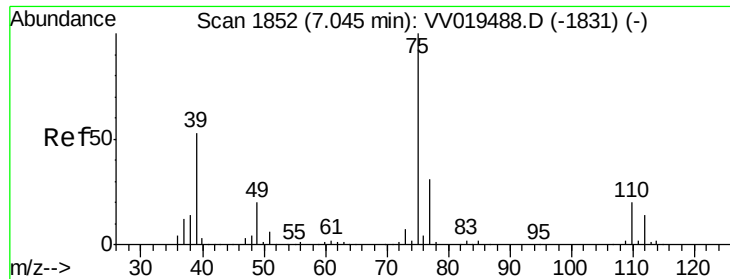
Tgt Ion: 63 Resp: 584470
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#38
 Bromodichloromethane
 Concen: 202.229 ug/L
 RT: 6.53 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VV019490.D
 Acq: 07 Dec 2020 13:45

Tgt Ion: 83 Resp: 759891
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.5 84.5
 127 7.7 6.4 9.6

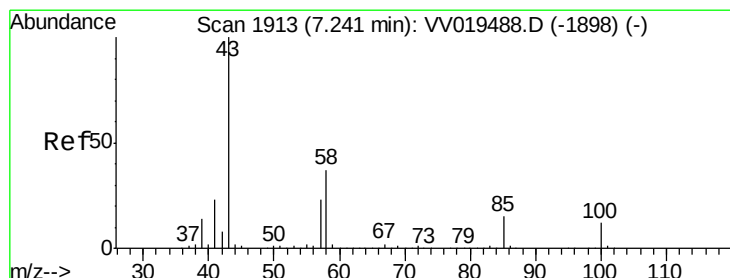
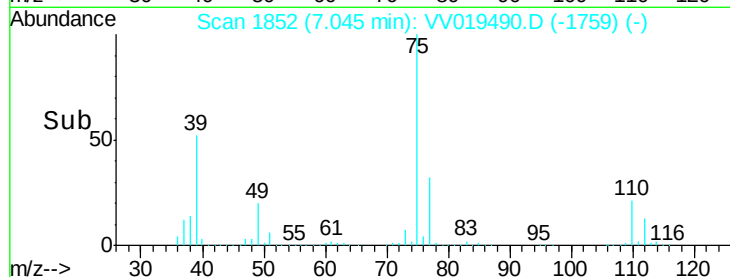
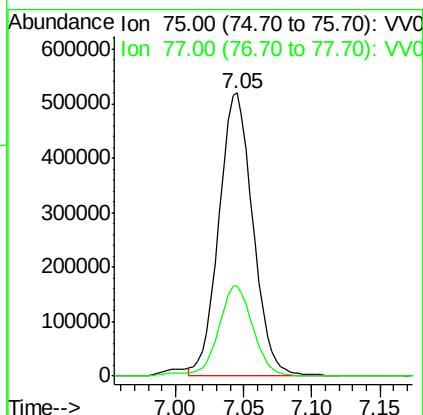
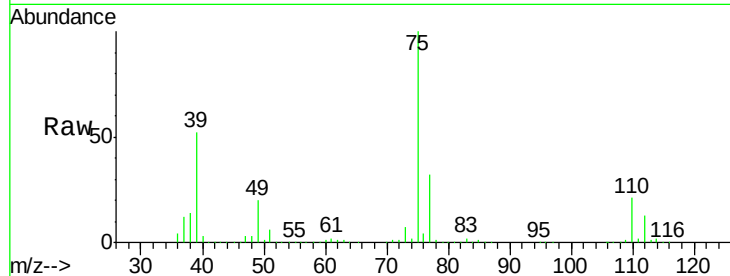




#39
 cis-1,3-Dichloropropene
 Concen: 215.539 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV019490.D
 Acq: 07 Dec 2020 13:45

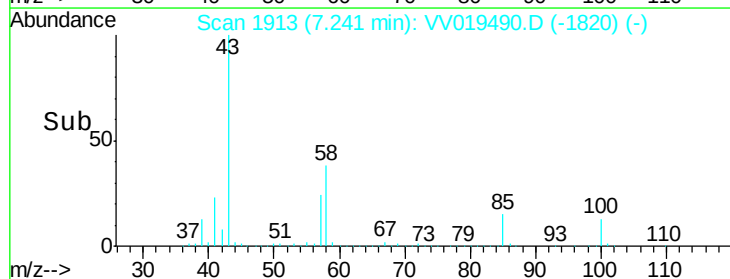
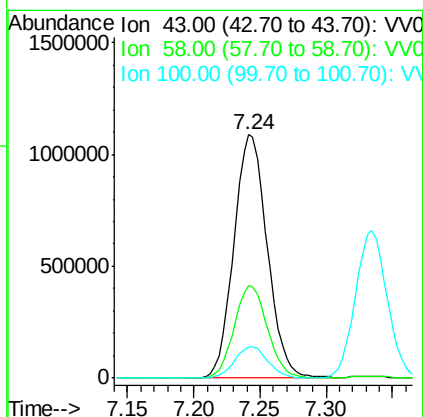
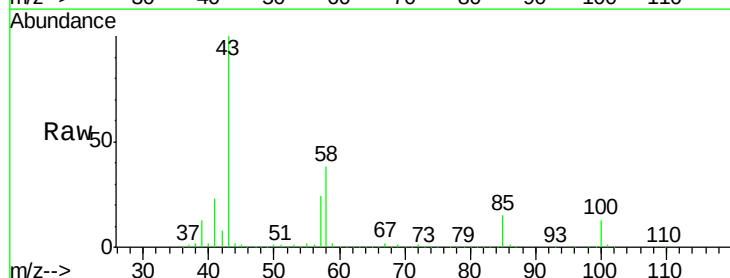
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

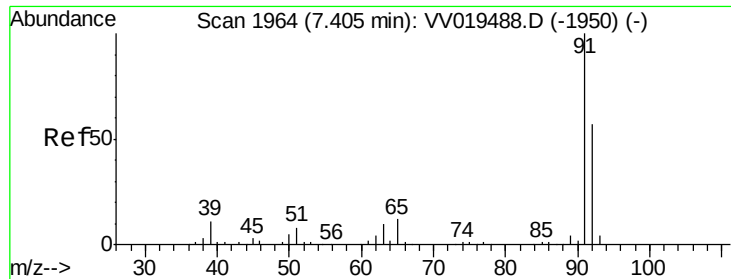
Tgt Ion: 75 Resp: 896197
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 468.491 ug/L
 RT: 7.24 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VV019490.D
 Acq: 07 Dec 2020 13:45

Tgt Ion: 43 Resp: 1900748
 Ion Ratio Lower Upper
 43 100
 58 37.9 29.5 44.3
 100 12.8 10.0 15.0





#42

Toluene

Concen: 191.713 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

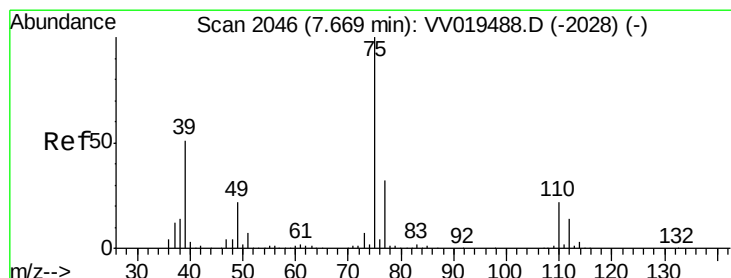
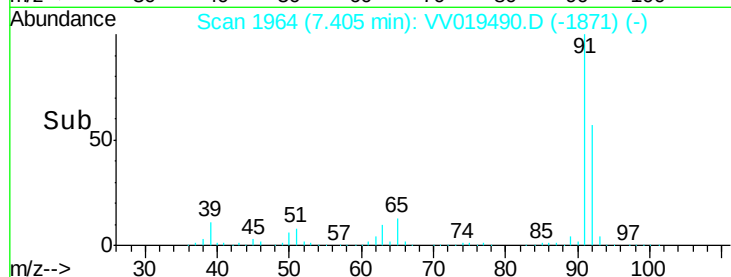
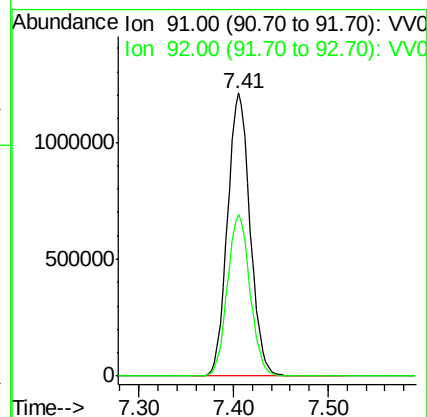
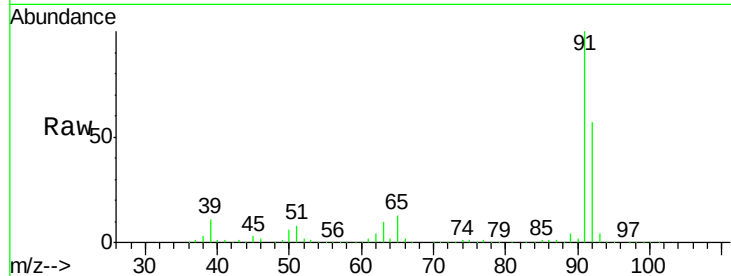
VSTD20063

Tgt Ion: 91 Resp: 2002530

Ion Ratio Lower Upper

91 100

92 57.2 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 218.707 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VV019490.D

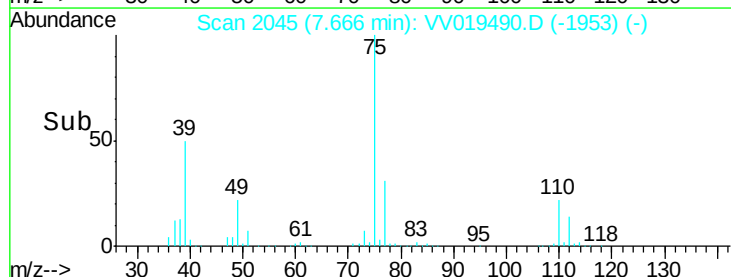
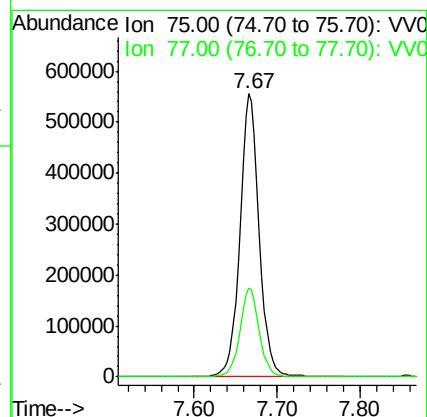
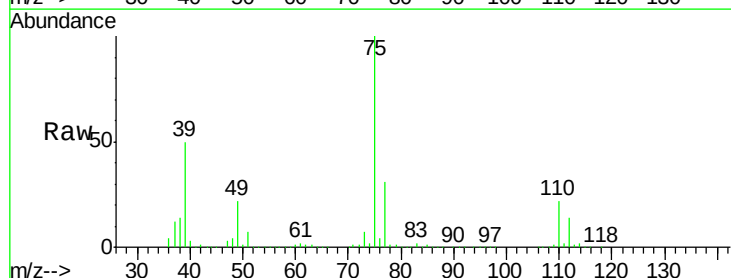
Acq: 07 Dec 2020 13:45

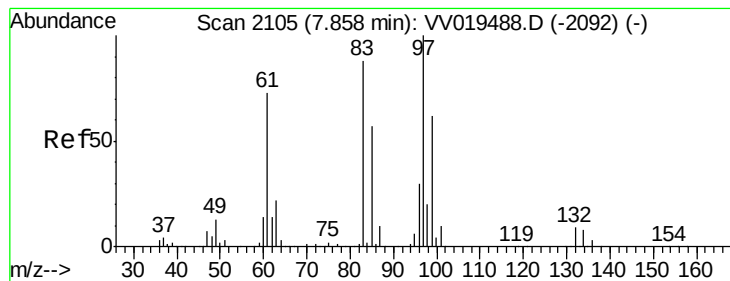
Tgt Ion: 75 Resp: 904634

Ion Ratio Lower Upper

75 100

77 31.4 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 195.621 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. -0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

Tgt Ion: 97 Resp: 513851

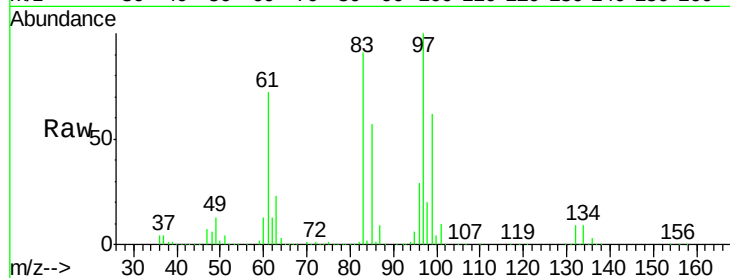
Ion Ratio Lower Upper

97 100

99 62.1 43.1 80.1

83 90.6 61.7 114.7

85 57.3 40.2 74.6



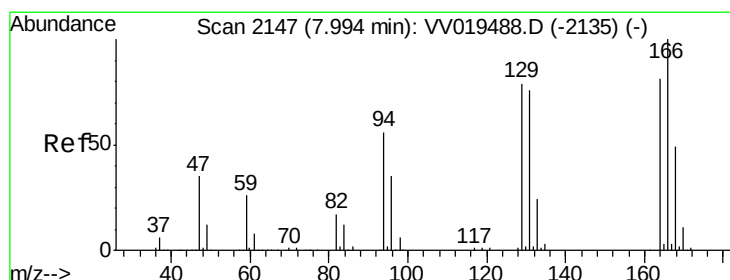
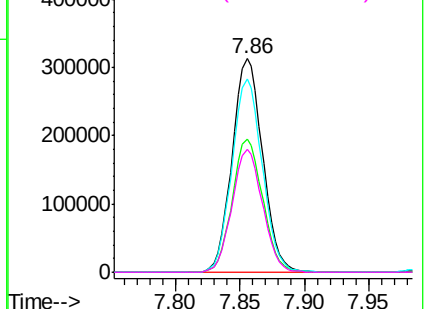
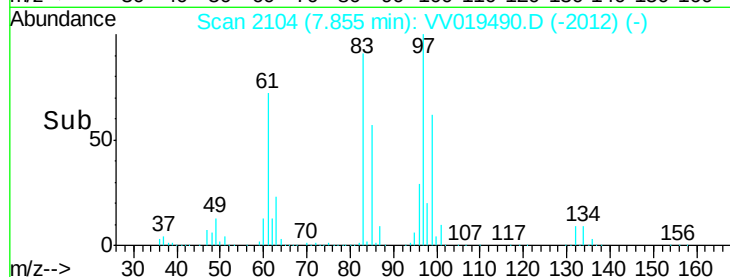
Abundance

Ion 97.00 (96.70 to 97.70): VV019490.D (-2012) (-)

Ion 99.00 (98.70 to 99.70): VV019490.D (-2012) (-)

Ion 83.00 (82.70 to 83.70): VV019490.D (-2012) (-)

Ion 85.00 (84.70 to 85.70): VV019490.D (-2012) (-)



#46

Tetrachloroethene

Concen: 169.636 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

Tgt Ion: 164 Resp: 324899

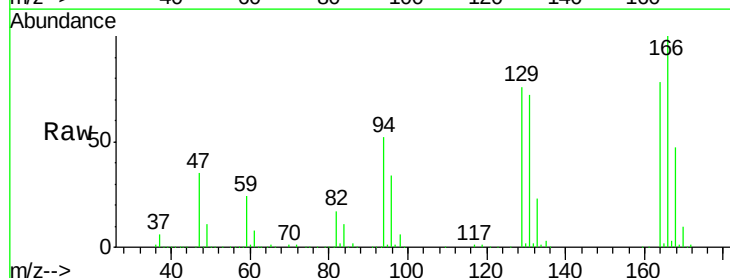
Ion Ratio Lower Upper

164 100

129 98.4 68.4 127.0

131 92.8 65.6 121.8

166 128.9 86.4 160.4



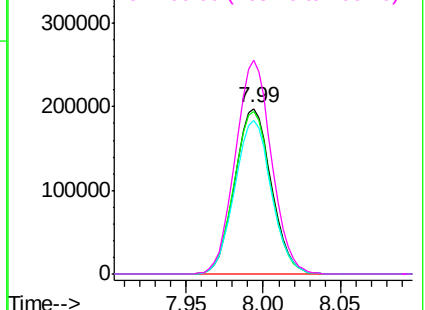
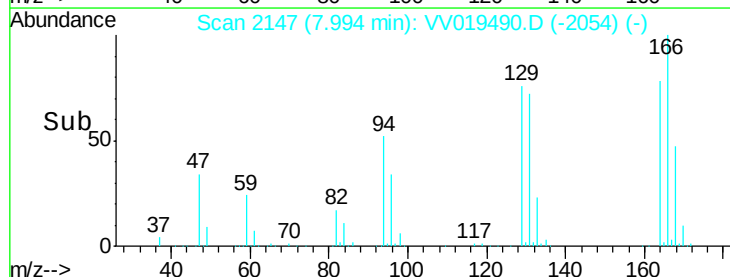
Abundance

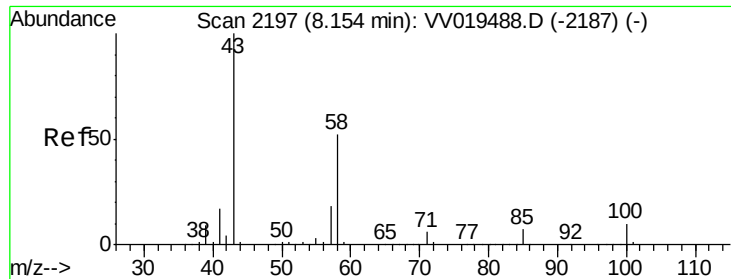
Ion 164.00 (163.70 to 164.70): VV019490.D (-2054) (-)

Ion 129.00 (128.70 to 129.70): VV019490.D (-2054) (-)

Ion 131.00 (130.70 to 131.70): VV019490.D (-2054) (-)

Ion 166.00 (165.70 to 166.70): VV019490.D (-2054) (-)

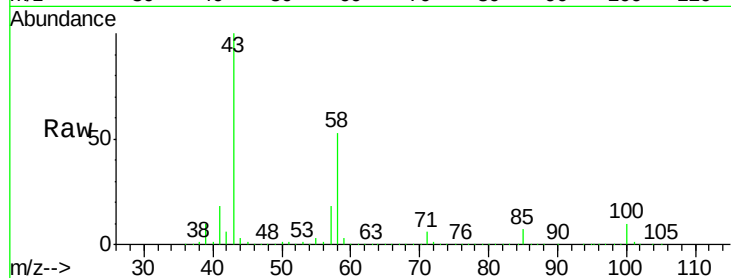




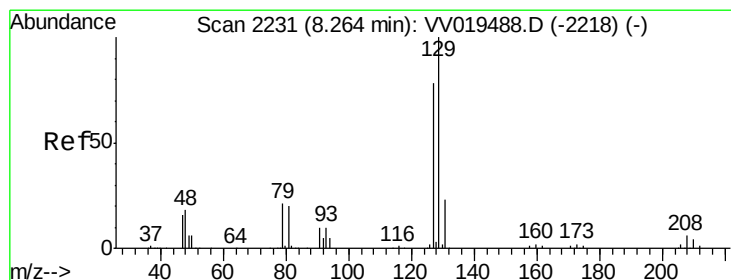
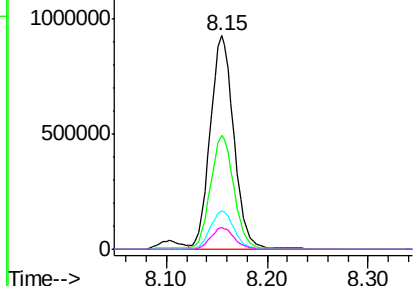
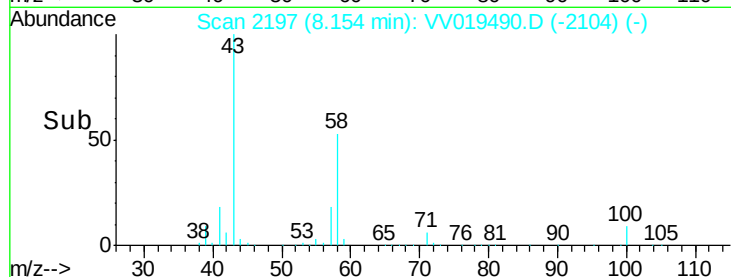
#48
2-Hexanone
Concen: 462.722 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VV019490.D
Acq: 07 Dec 2020 13:45

Instrument :
MSVOA_V
ClientSampled :
VSTD20063

Tgt Ion: 43 Resp: 1488743
Ion Ratio Lower Upper
43 100
58 53.2 41.0 61.6
57 18.1 14.2 21.2
100 10.1 8.0 12.0

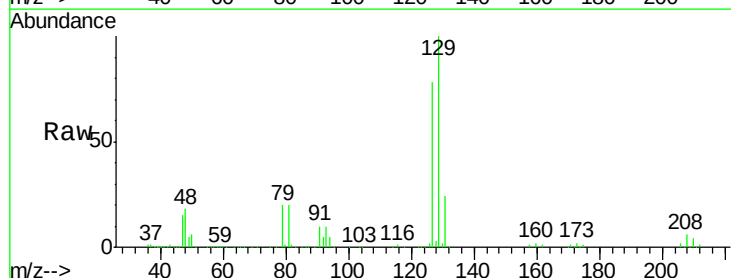


Abundance Ion 43.00 (42.70 to 43.70): VV019490.D (-2104) (-)
Ion 58.00 (57.70 to 58.70): VV019490.D (-2104) (-)
Ion 57.00 (56.70 to 57.70): VV019490.D (-2104) (-)
Ion 100.00 (99.70 to 100.70): VV019490.D (-2104) (-)

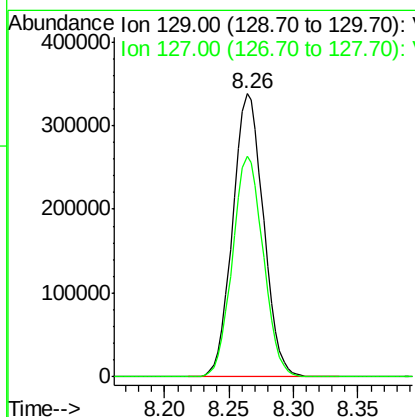
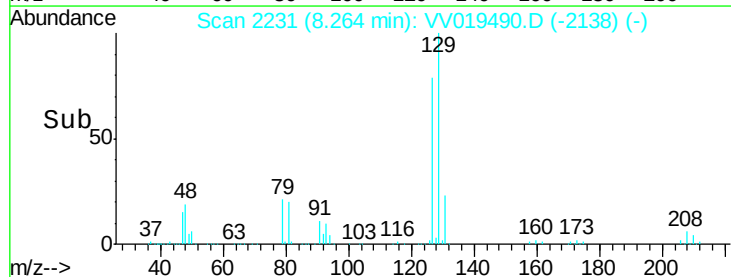


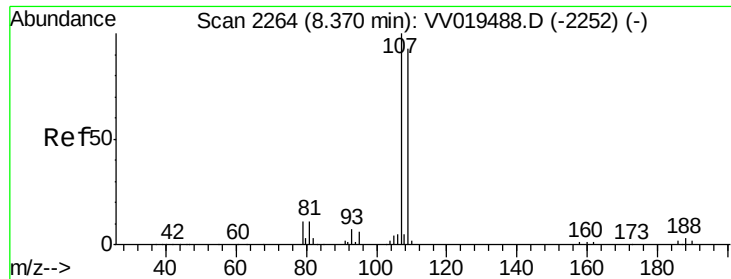
#49
Dibromochloromethane
Concen: 195.518 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VV019490.D
Acq: 07 Dec 2020 13:45

Tgt Ion: 129 Resp: 561165
Ion Ratio Lower Upper
129 100
127 77.9 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): VV019490.D (-2138) (-)
Ion 127.00 (126.70 to 127.70): VV019490.D (-2138) (-)

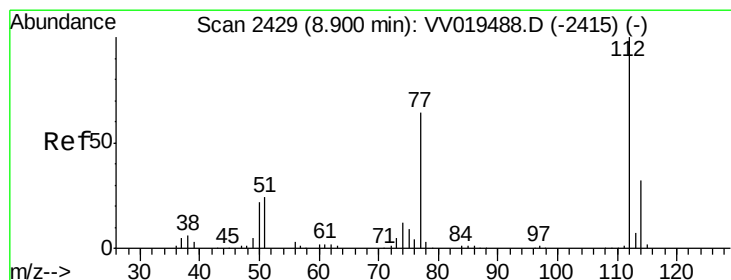
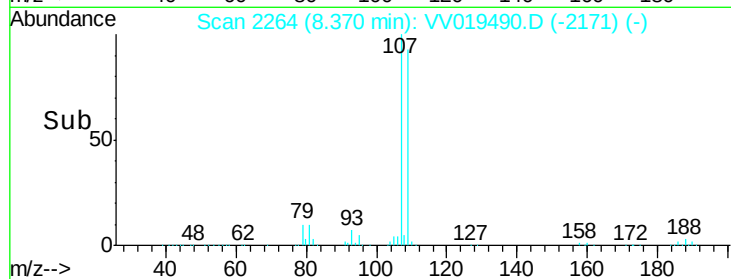
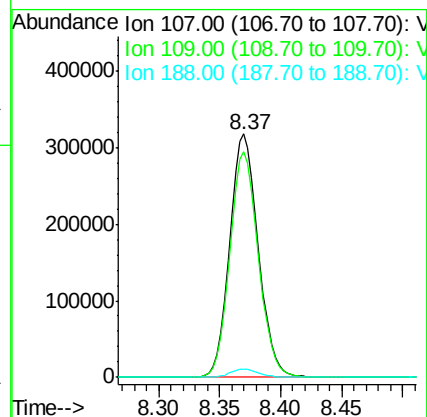
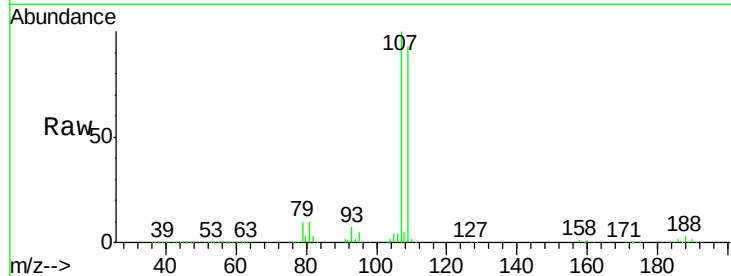




#50
 1,2-Dibromoethane
 Concen: 189.056 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. 0.00 min
 Lab File: VV019490.D
 Acq: 07 Dec 2020 13:45

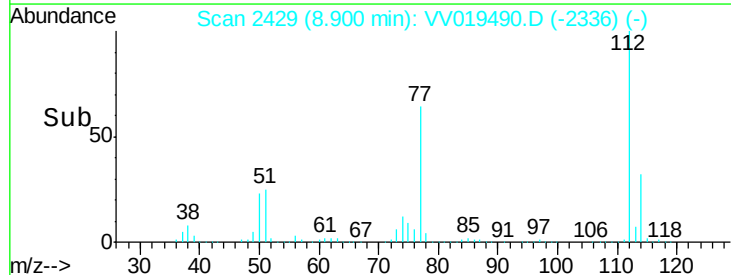
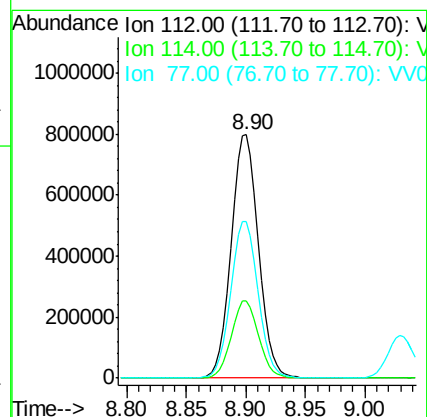
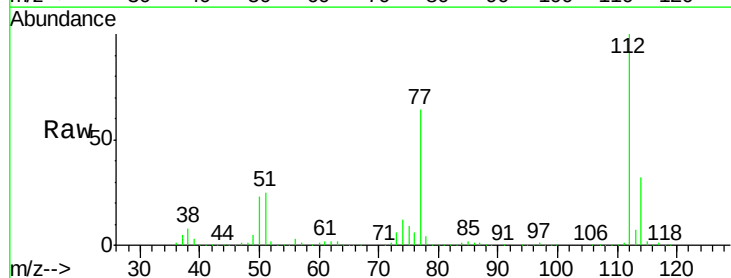
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

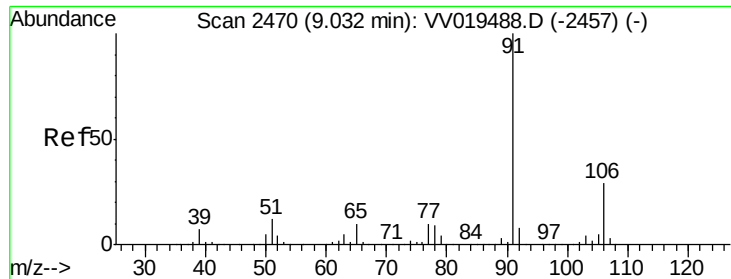
Tgt Ion:107 Resp: 520943
 Ion Ratio Lower Upper
 107 100
 109 93.0 65.1 120.9
 188 3.5 2.6 4.0



#51
 Chlorobenzene
 Concen: 184.451 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV019490.D
 Acq: 07 Dec 2020 13:45

Tgt Ion:112 Resp: 1269194
 Ion Ratio Lower Upper
 112 100
 114 31.8 22.4 41.6
 77 64.2 51.6 77.4





#52

Ethylbenzene

Concen: 201.966 ug/L

RT: 9.03 min Scan# 2469

Delta R.T. -0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

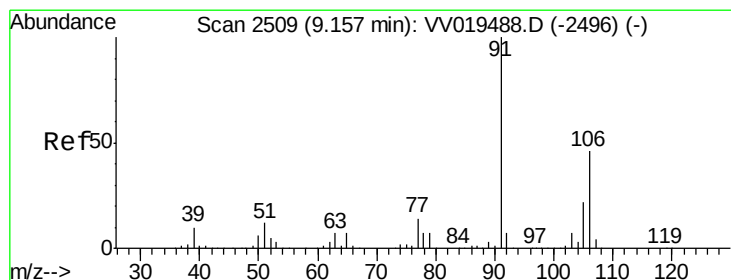
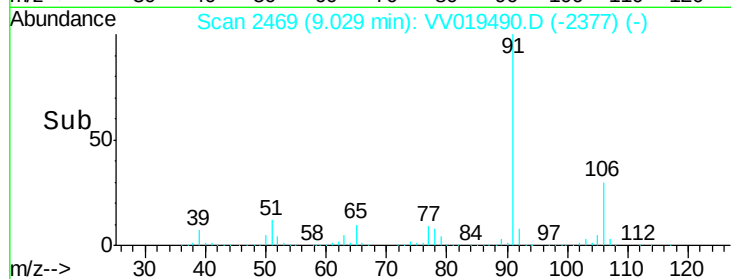
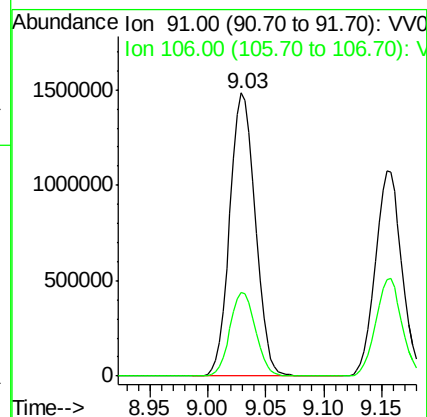
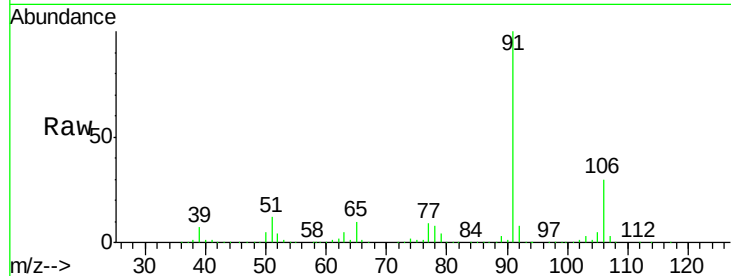
VSTD20063

Tgt Ion: 91 Resp: 2270661

Ion Ratio Lower Upper

91 100

106 29.8 20.6 38.2



#53

m,p-Xylene

Concen: 196.291 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019490.D

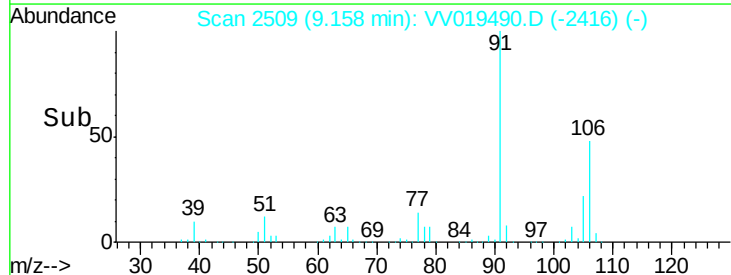
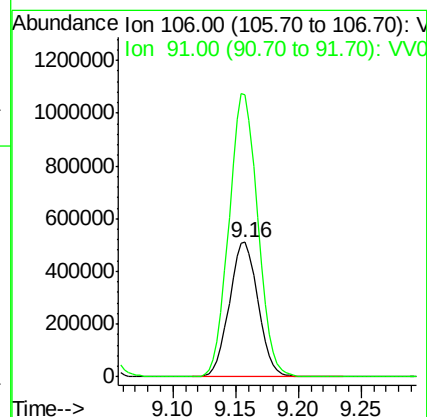
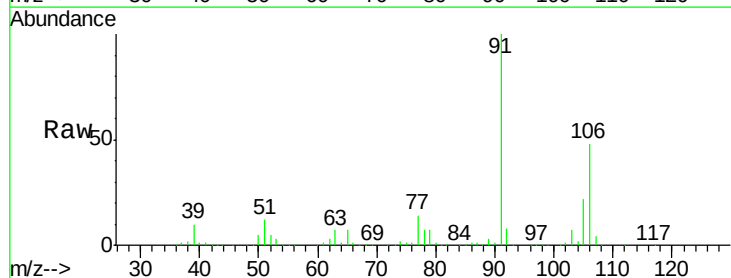
Acq: 07 Dec 2020 13:45

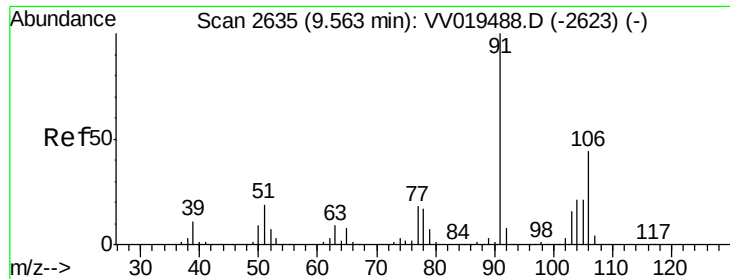
Tgt Ion: 106 Resp: 808776

Ion Ratio Lower Upper

106 100

91 210.2 151.7 281.7





#54

o-xylene

Concen: 201.880 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

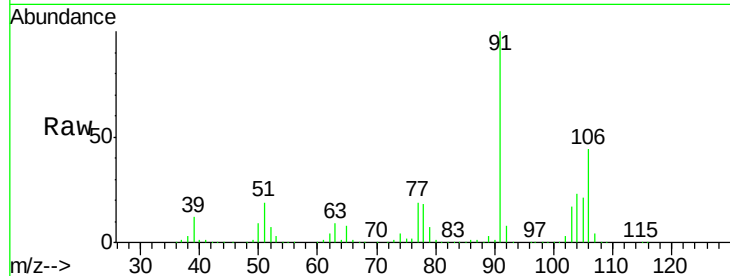
Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

Tgt Ion:106 Resp: 809536

Ion Ratio Lower Upper

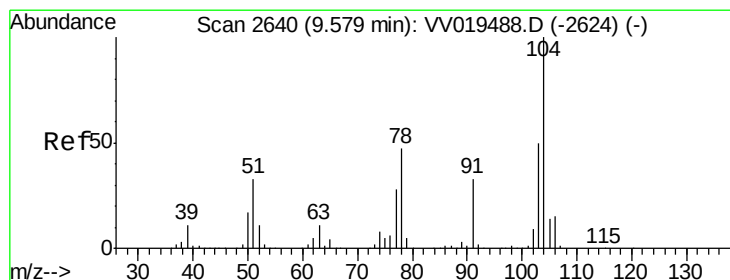
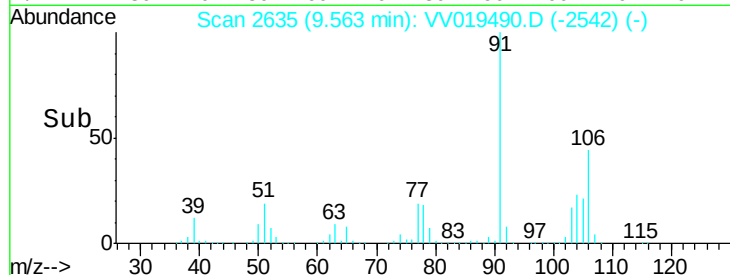
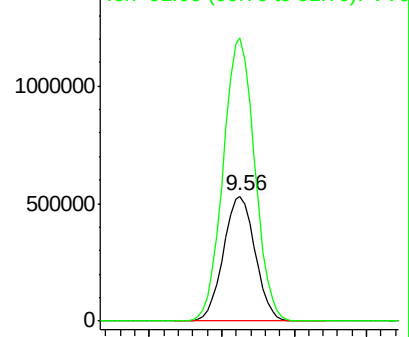
106 100

91 226.0 158.1 293.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 201.539 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019490.D

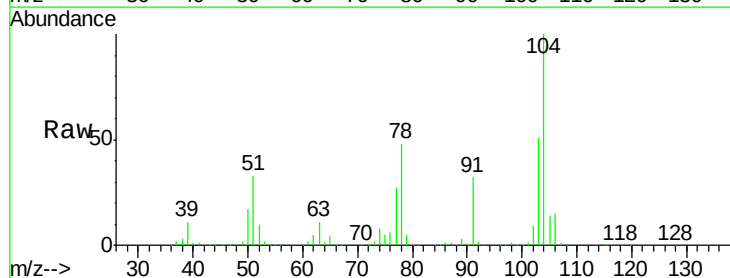
Acq: 07 Dec 2020 13:45

Tgt Ion:104 Resp: 1450038

Ion Ratio Lower Upper

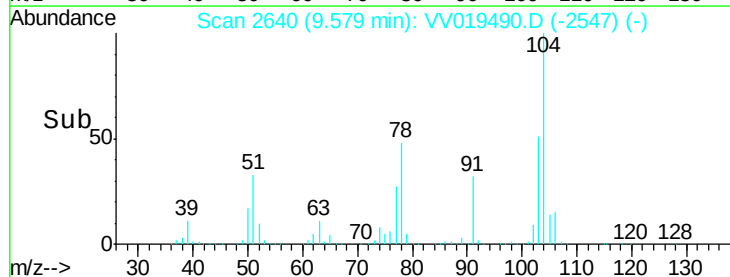
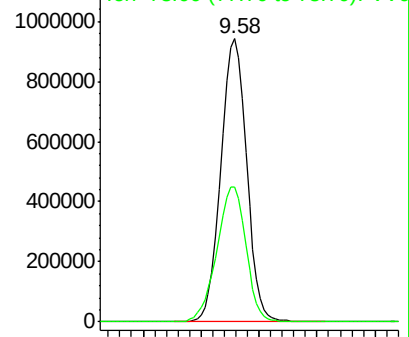
104 100

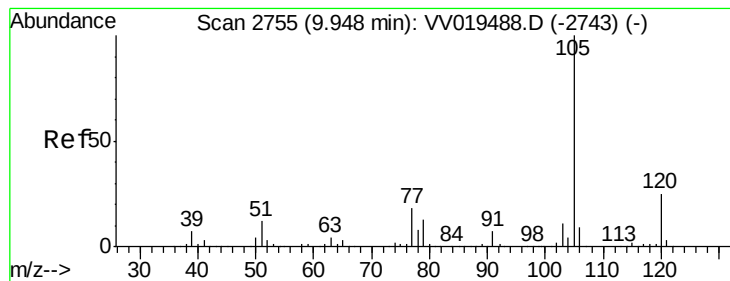
78 47.6 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 205.151 ug/L

RT: 9.95 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

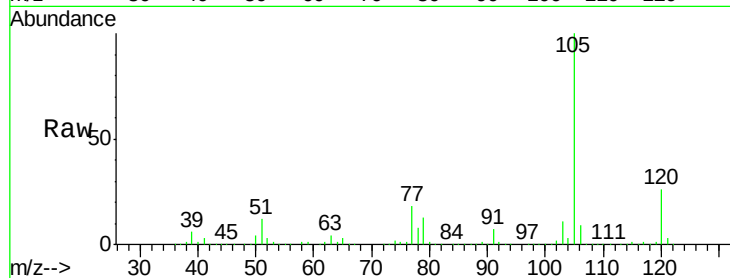
Tgt Ion:105 Resp: 2175731

Ion Ratio Lower Upper

105 100

120 25.7 20.2 30.4

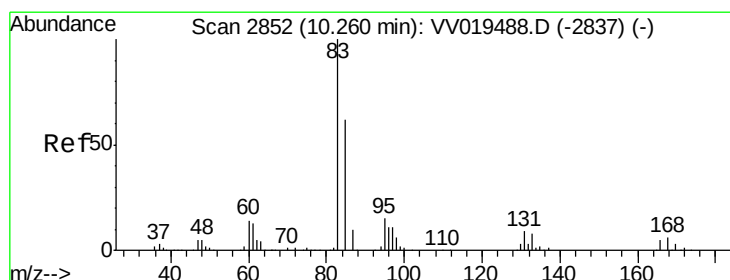
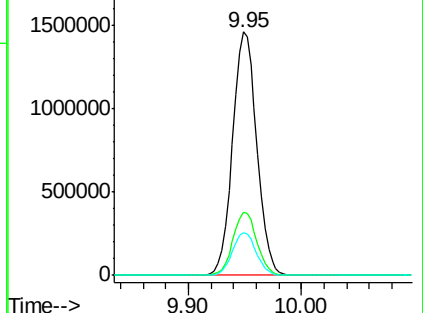
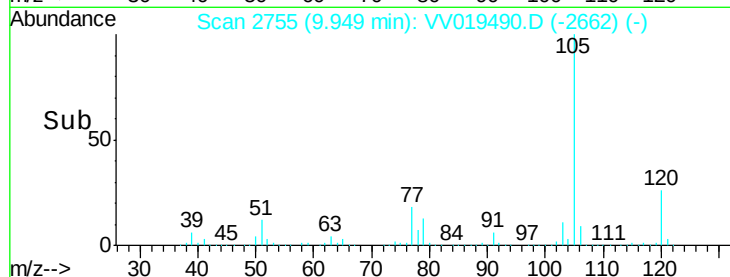
77 17.4 14.1 21.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 212.341 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

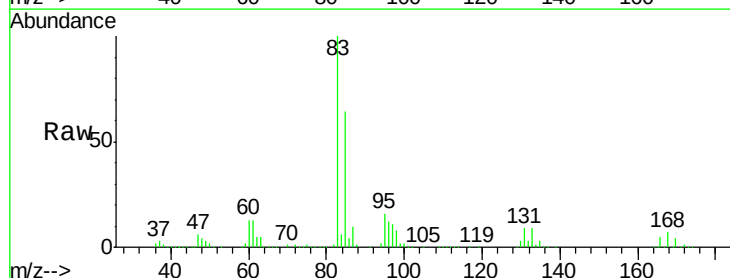
Tgt Ion: 83 Resp: 856651

Ion Ratio Lower Upper

83 100

85 64.0 43.3 80.3

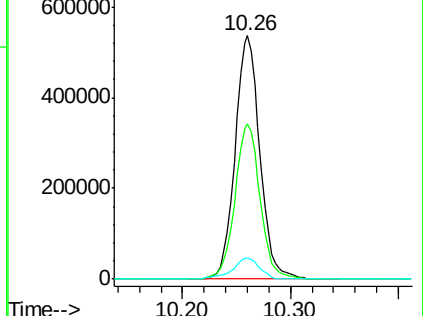
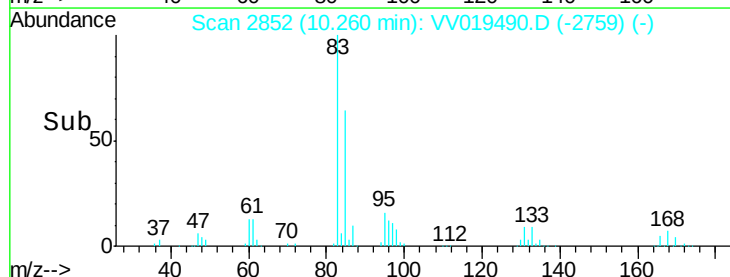
131 8.7 7.0 10.4

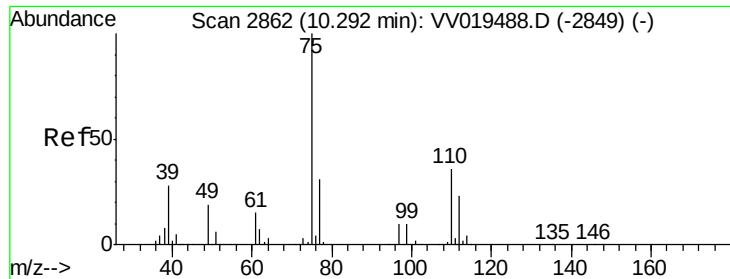


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 194.717 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

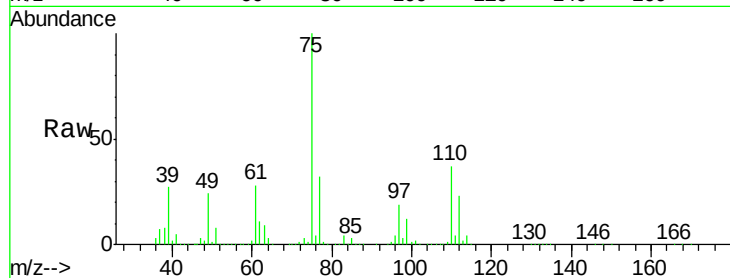
VSTD20063

Tgt Ion: 75 Resp: 718204

Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VV019488.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV019488.D (-2849) (-)

10.29

500000

400000

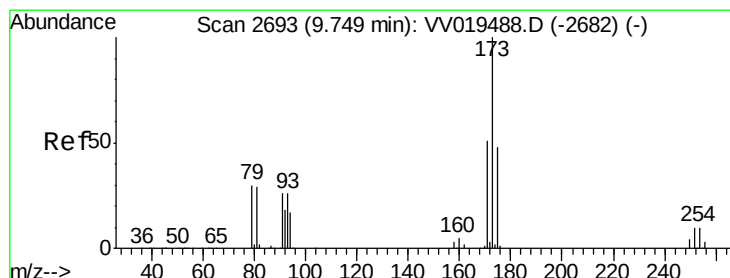
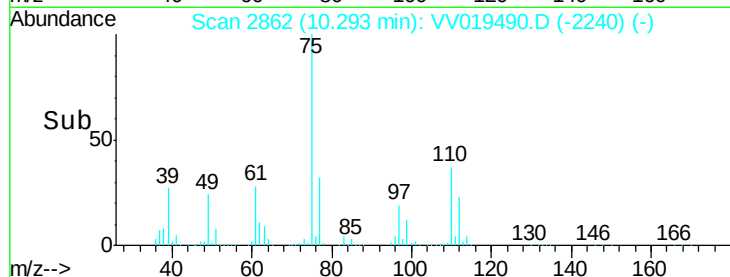
300000

200000

100000

0

Time-->



#61

Bromoform

Concen: 214.186 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

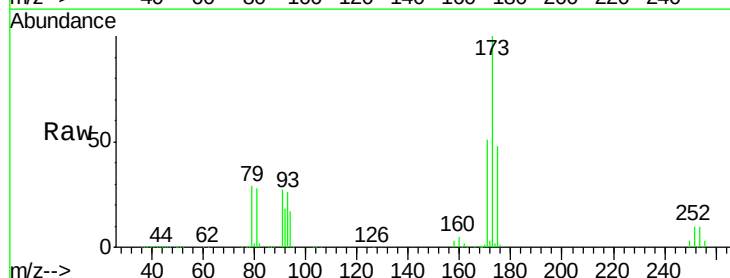
Tgt Ion: 173 Resp: 414044

Ion Ratio Lower Upper

173 100

175 48.2 37.8 56.6

254 9.6 7.4 11.2



Abundance Ion 173.00 (172.70 to 173.70): VV019488.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV019488.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV019488.D (-2682) (-)

9.75

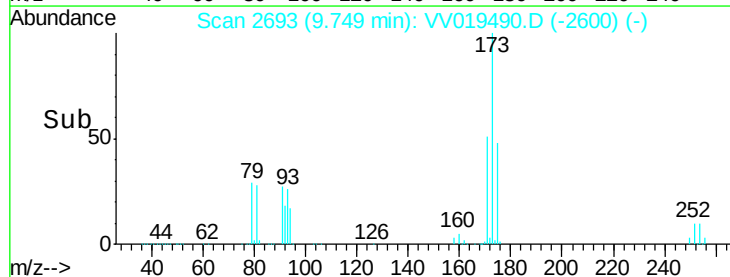
300000

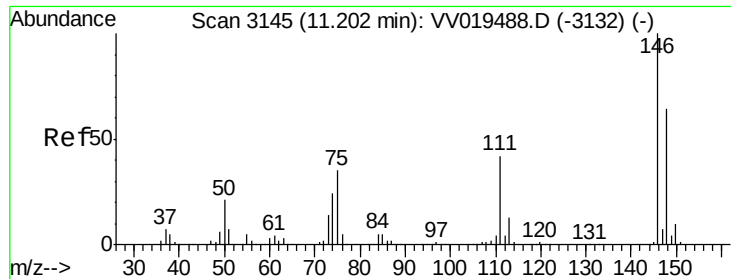
200000

100000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 201.245 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. -0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

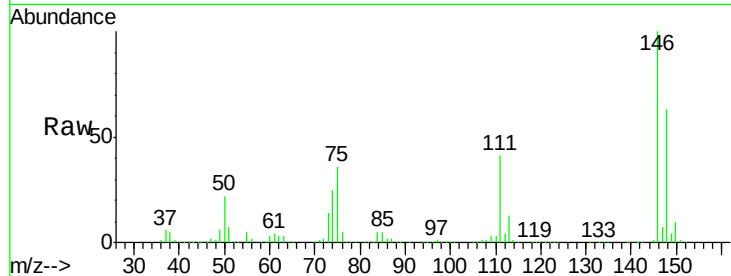
Tgt Ion:146 Resp: 990577

Ion Ratio Lower Upper

146 100

111 41.2 29.6 55.0

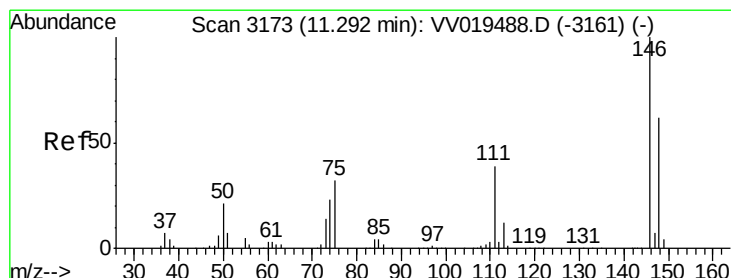
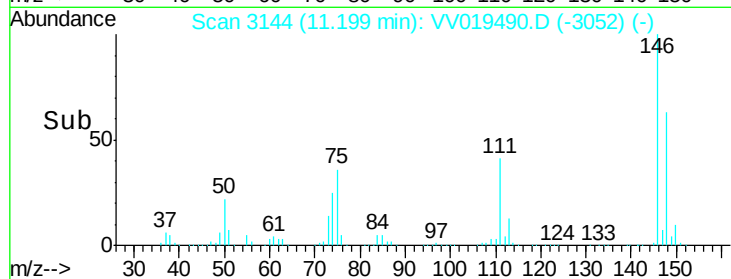
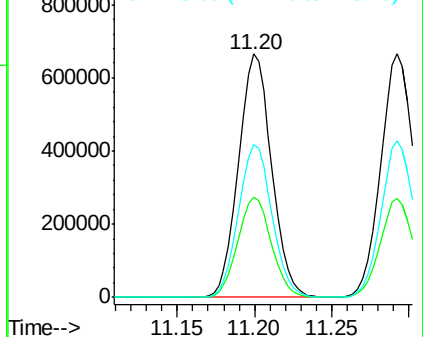
148 62.9 44.6 82.8



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: 193.770 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

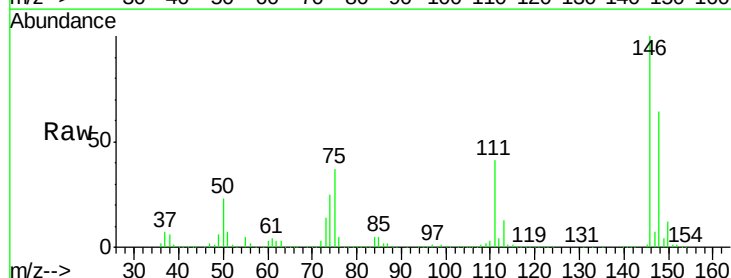
Tgt Ion:146 Resp: 1001282

Ion Ratio Lower Upper

146 100

111 40.9 27.6 51.2

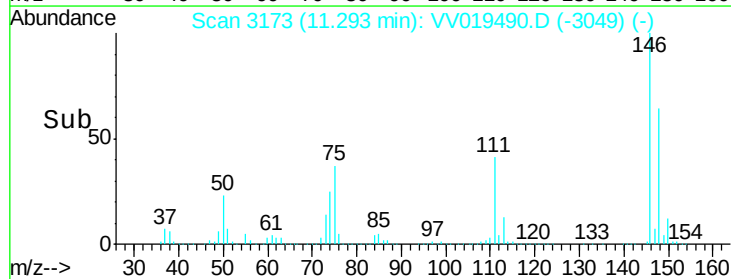
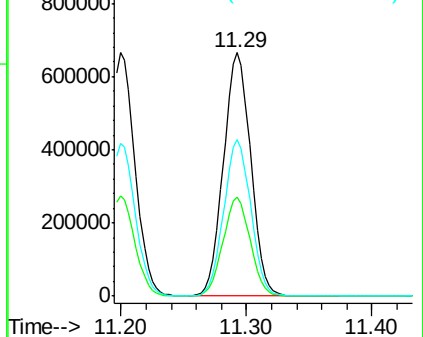
148 64.2 43.7 81.1

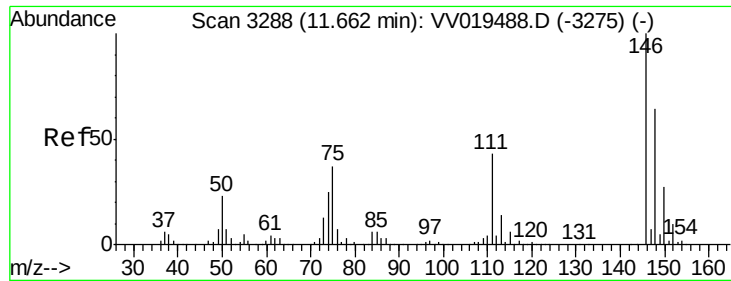


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 204.353 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

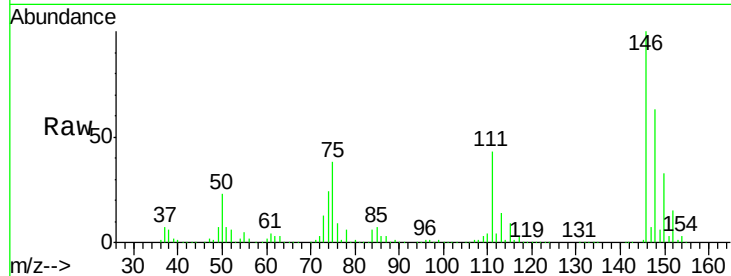
Tgt Ion:146 Resp: 1034892

Ion Ratio Lower Upper

146 100

111 43.2 34.7 52.1

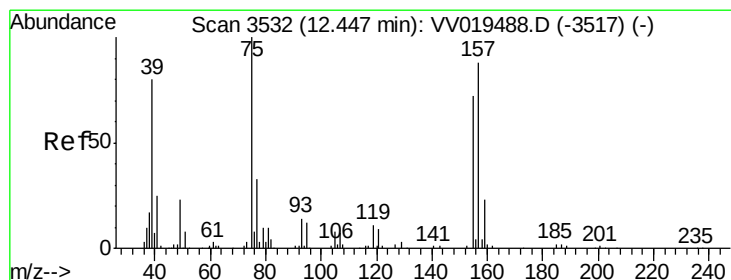
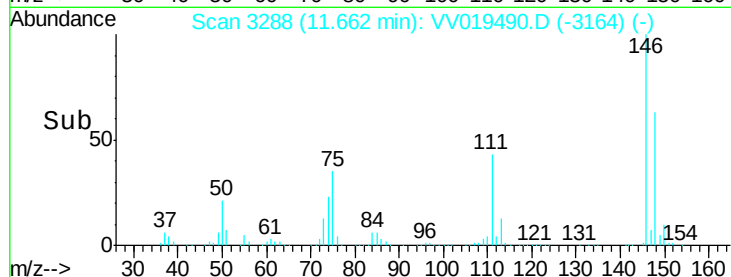
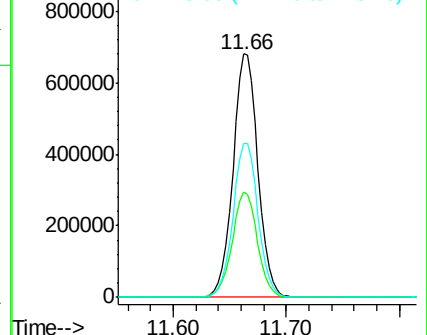
148 63.4 51.0 76.4



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: 256.901 ug/L

RT: 12.45 min Scan# 3532

Delta R.T. 0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

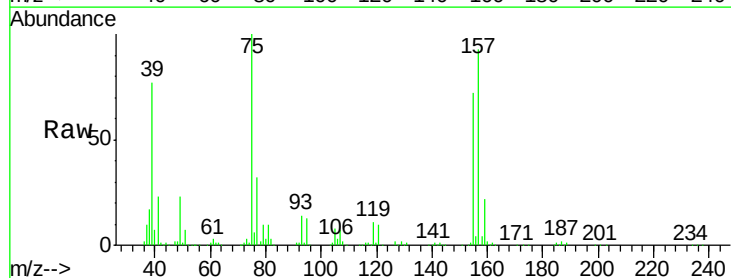
Tgt Ion: 75 Resp: 230756

Ion Ratio Lower Upper

75 100

155 72.5 57.9 86.9

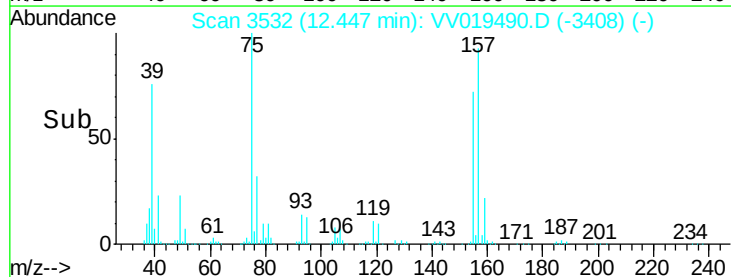
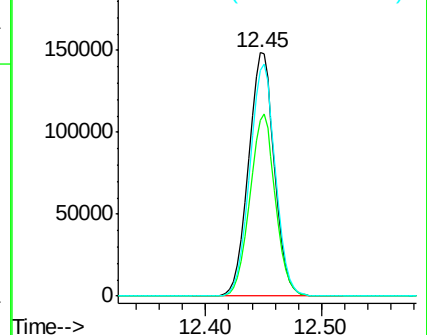
157 92.9 70.6 106.0

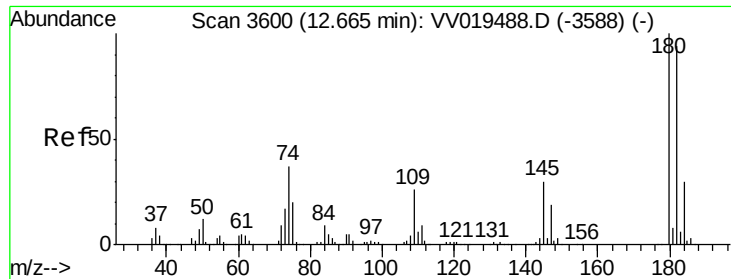


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

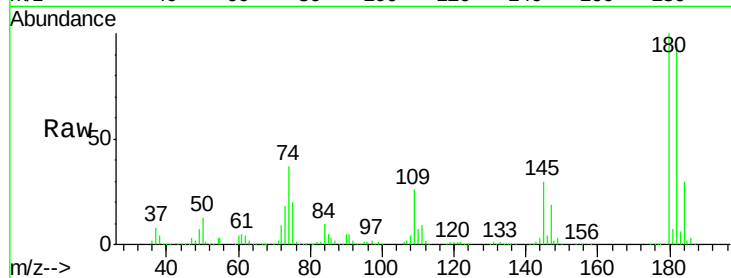




#67
 1,3,5-Trichlorobenzene
 Concen: 213.769 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019490.D
 Acq: 07 Dec 2020 13:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

Tgt Ion:	180	Resp:	771547
Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.9	113.9
184	30.2	24.3	36.5
145	29.9	24.2	36.4

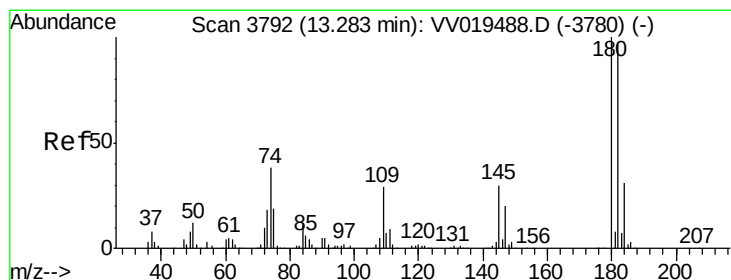
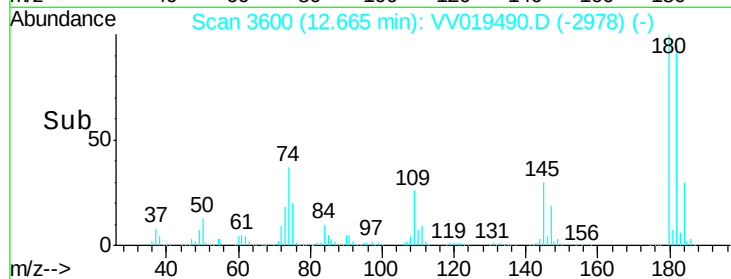
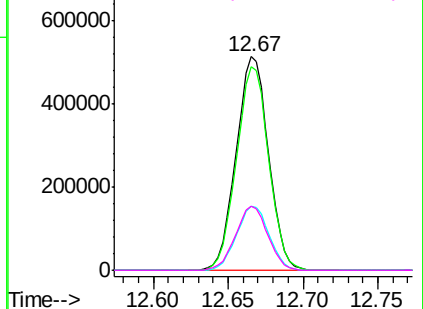


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

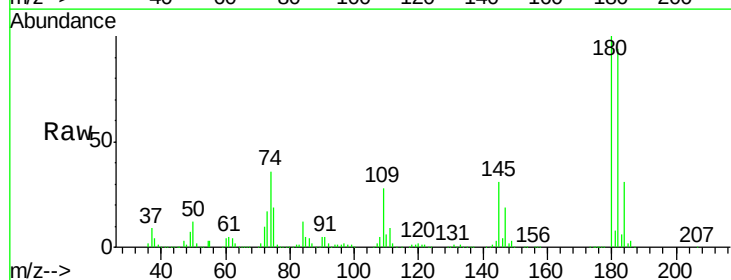
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 237.740 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019490.D
 Acq: 07 Dec 2020 13:45

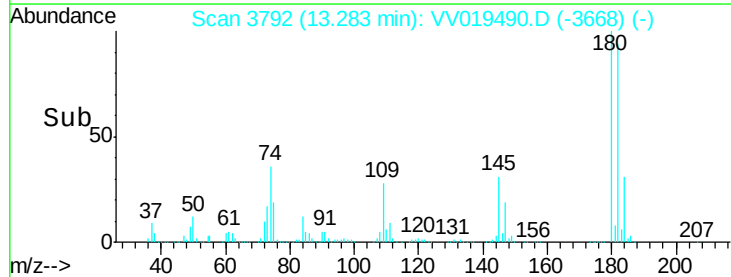
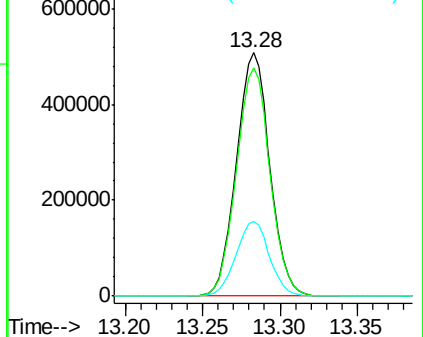
Tgt Ion:	180	Resp:	757641
Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.5	114.7
145	30.9	24.2	36.4

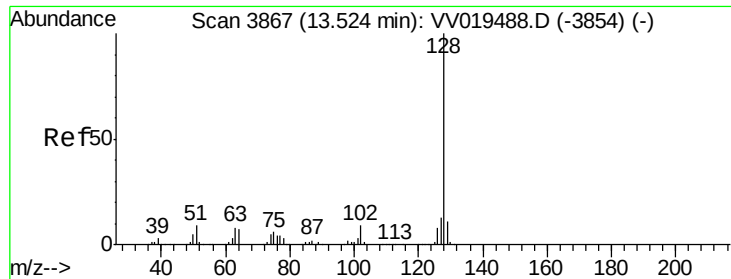


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 278.443 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

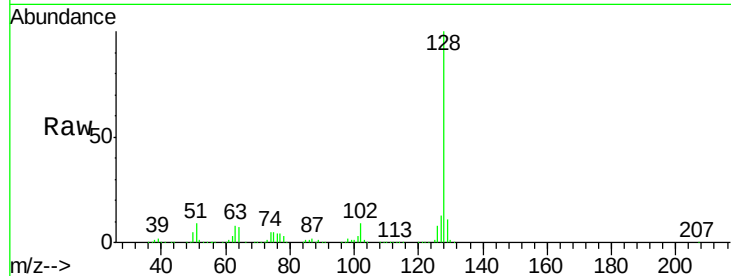
Tgt Ion:128 Resp: 2257937

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

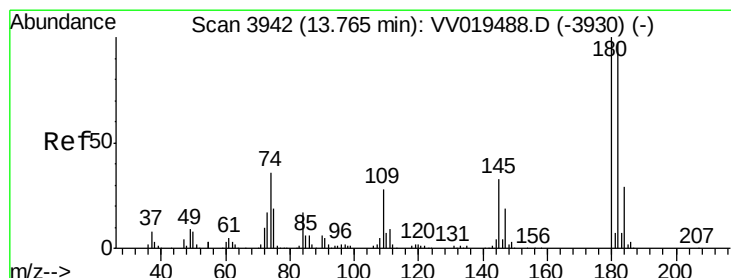
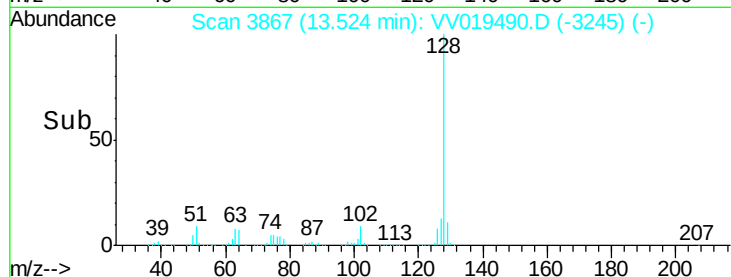
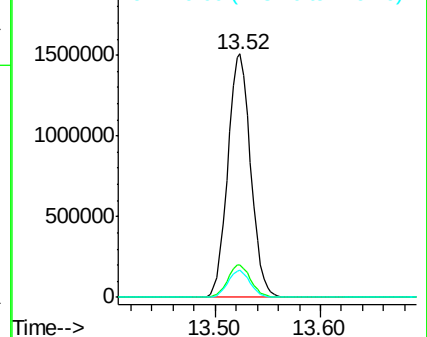
129 10.9 8.6 12.8



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: 228.442 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019490.D

Acq: 07 Dec 2020 13:45

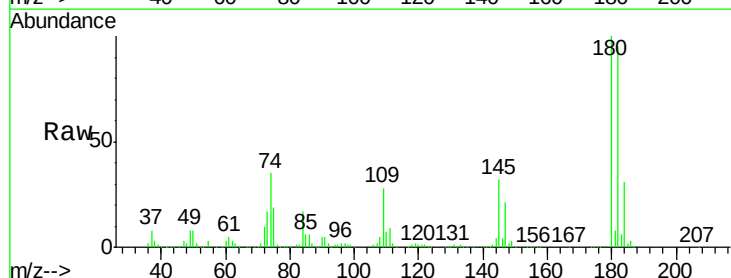
Tgt Ion:180 Resp: 758958

Ion Ratio Lower Upper

180 100

182 94.7 77.0 115.4

145 32.1 26.2 39.4



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

