

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120720\
 Data File : VV019488.D
 Acq On : 07 Dec 2020 12:55
 Operator : SY/MD
 Sample : VSTD05061
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

Quant Time: Dec 07 13:36:38 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	330773	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	325174	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	164576	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	113905	36.60	ug/L	0.00
7) Chloroethane-d5	1.57	69	97352	38.11	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	245618	43.05	ug/L	0.00
21) 2-Butanone-d5	3.90	46	167713	86.69	ug/L	0.00
24) Chloroform-d	4.37	84	245802	46.69	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	166522	48.00	ug/L	0.00
32) Benzene-d6	5.07	84	472532	49.39	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	158121	49.51	ug/L	0.00
41) Toluene-d8	7.33	98	420227	49.37	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	76453	49.88	ug/L	0.00
47) 2-Hexanone-d5	8.10	63	101144	84.99	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.23	84	194482	47.67	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.64	152	148977	47.07	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	76450	31.157 ug/L	100
3) Chloromethane	1.25	50	85826	26.639 ug/L	100
5) Vinyl chloride	1.32	62	108206	33.851 ug/L	100
6) Bromomethane	1.52	94	71374	34.157 ug/L	100
8) Chloroethane	1.59	64	76743	37.193 ug/L	100
9) Trichlorofluoromethane	1.76	101	165633	40.192 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	96127	42.789 ug/L	100
12) 1,1-Dichloroethene	2.13	96	88617	38.617 ug/L	100
13) Acetone	2.17	43	188456	116.279 ug/L	100
14) Carbon disulfide	2.31	76	240459	36.517 ug/L	100
15) Methyl Acetate	2.44	43	160225	51.000 ug/L	100
16) Methylene chloride	2.52	84	123545	45.005 ug/L	100
17) trans-1,2-Dichloroethene	2.78	96	103608	44.607 ug/L	100
18) Methyl tert-butyl Ether	2.78	73	387845	50.944 ug/L	100
19) 1,1-Dichloroethane	3.21	63	242575	49.593 ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	120804	46.879 ug/L	100
22) 2-Butanone	3.98	43	245389	116.922 ug/L	100
23) Bromochloromethane	4.27	128	61065	45.052 ug/L	100
25) Chloroform	4.40	83	239488	48.762 ug/L	100
27) 1,2-Dichloroethane	5.15	62	200580	51.589 ug/L	100
29) Cyclohexane	4.70	56	174331	51.181 ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	198401	50.393 ug/L	100
31) Carbon tetrachloride	4.85	117	164588	49.044 ug/L	100
33) Benzene	5.12	78	482808	49.969 ug/L	100
34) Trichloroethene	5.94	95	128342	47.622 ug/L	100
35) Methylcyclohexane	6.15	83	159450	50.197 ug/L	100
37) 1,2-Dichloropropane	6.19	63	144778	53.221 ug/L	100
38) Bromodichloromethane	6.53	83	185011	51.620 ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	209623	52.856 ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	446538	115.389 ug/L	100

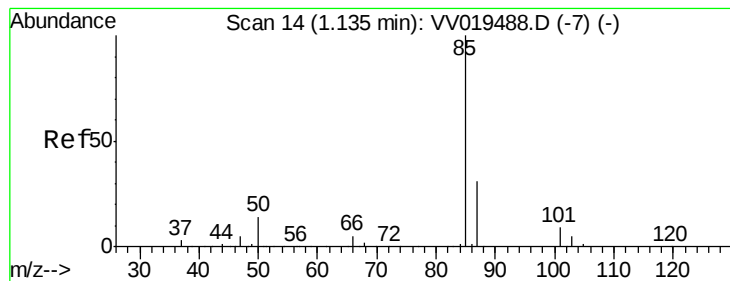
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	494228	49.605	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	208361	52.812	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	126497	50.488	ug/L	100
46) Tetrachloroethene	7.99	164	79880	43.726	ug/L	100
48) 2-Hexanone	8.15	43	356694	116.232	ug/L	100
49) Dibromochloromethane	8.26	129	132952	48.565	ug/L	100
50) 1,2-Dibromoethane	8.37	107	125148	47.616	ug/L	100
51) Chlorobenzene	8.90	112	308074	46.939	ug/L	100
52) Ethylbenzene	9.03	91	534933	49.883	ug/L	100
53) m,p-Xylene	9.16	106	189451	48.206	ug/L	100
54) o-xylene	9.56	106	187708	49.076	ug/L	100
55) Styrene	9.58	104	347147	50.585	ug/L	100
56) Isopropylbenzene	9.95	105	508007	50.219	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	199582	51.866	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	176991	50.308	ug/L	100
61) Bromoform	9.75	173	95211	50.683	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	241530	50.494	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	248822	49.551	ug/L	100
65) 1,2-Dichlorobenzene	11.66	146	248323	50.458	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	48192	55.210	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	179415	51.153	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	161343	52.098	ug/L	100
69) Naphthalene	13.52	128	428438	54.368	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	168502	52.191	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 31.157 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

Instrument :

MSVOA_V

ClientSampleId :

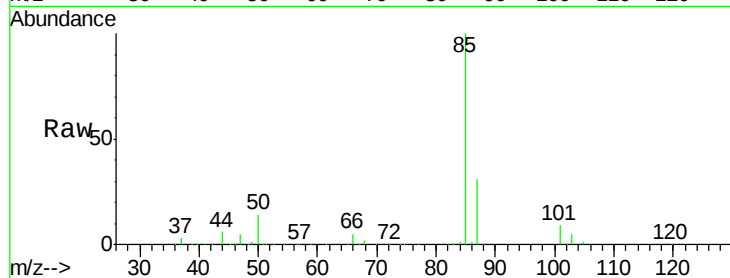
VSTD05061

Tgt Ion: 85 Resp: 76450

Ion Ratio Lower Upper

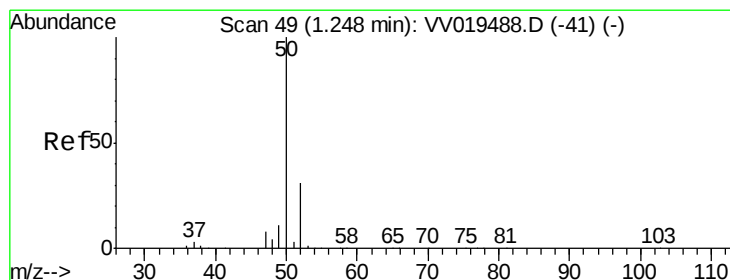
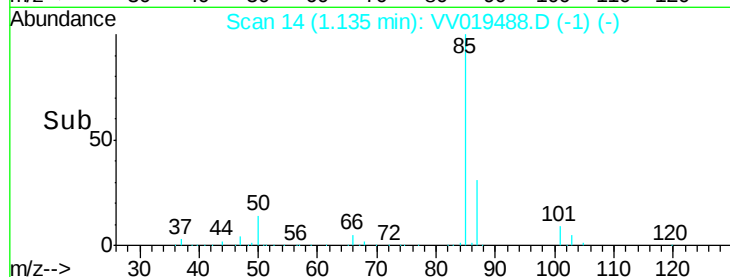
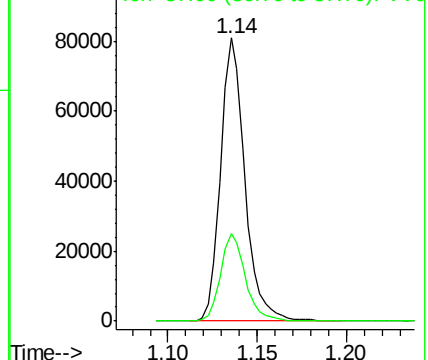
85 100

87 31.7 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 26.639 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019488.D

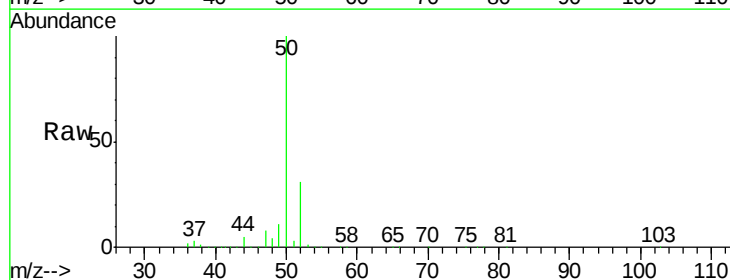
Acq: 07 Dec 2020 12:55

Tgt Ion: 50 Resp: 85826

Ion Ratio Lower Upper

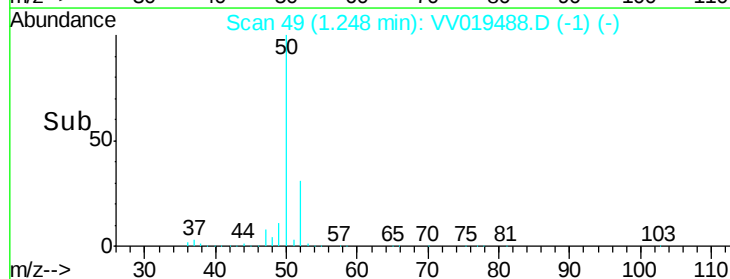
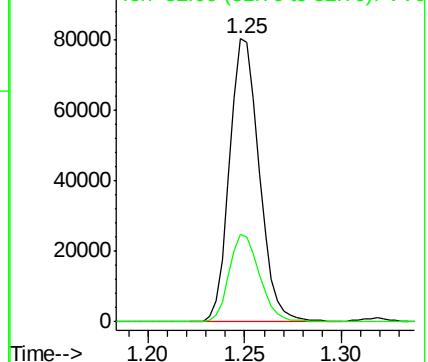
50 100

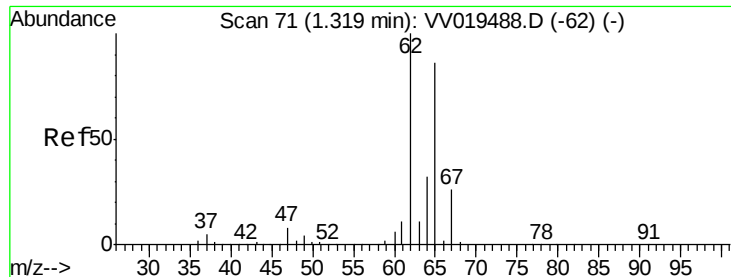
52 31.0 21.7 40.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 33.851 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

Instrument :

MSVOA_V

ClientSampleId :

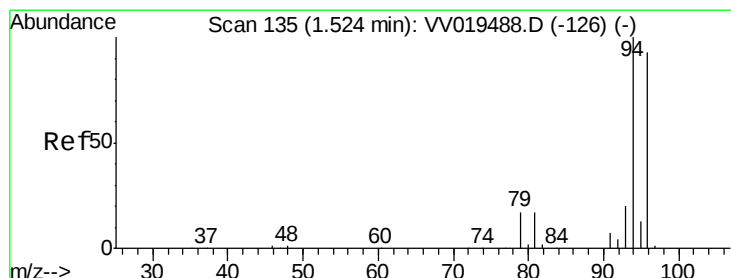
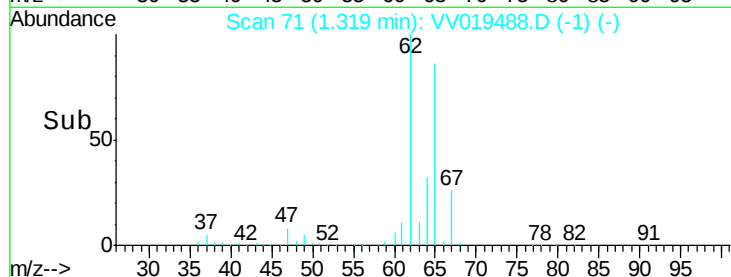
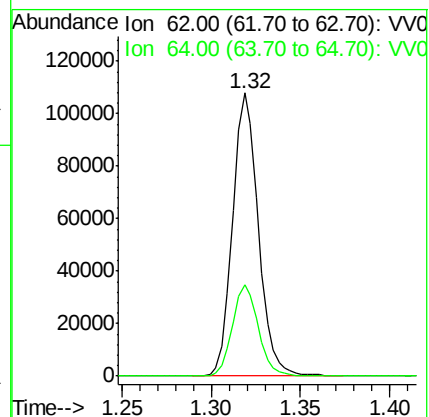
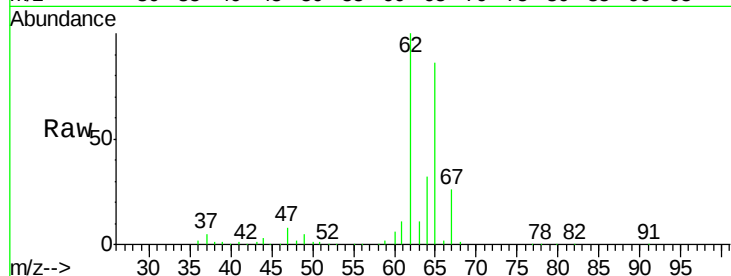
VSTD05061

Tgt Ion: 62 Resp: 108206

Ion Ratio Lower Upper

62 100

64 32.3 22.6 42.0



#6

Bromomethane

Concen: 34.157 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019488.D

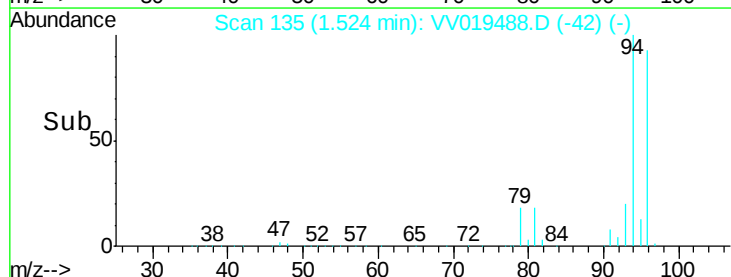
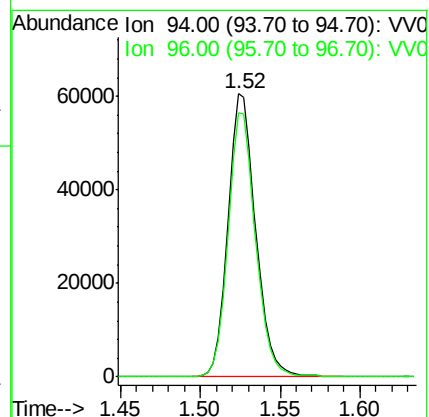
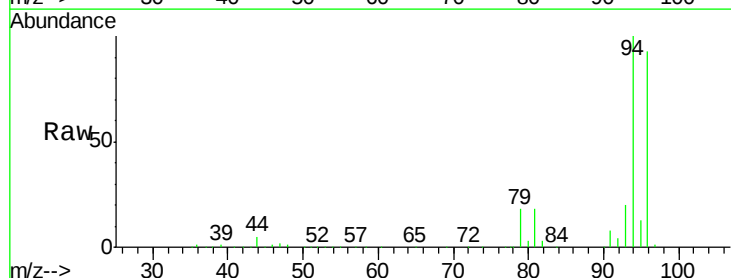
Acq: 07 Dec 2020 12:55

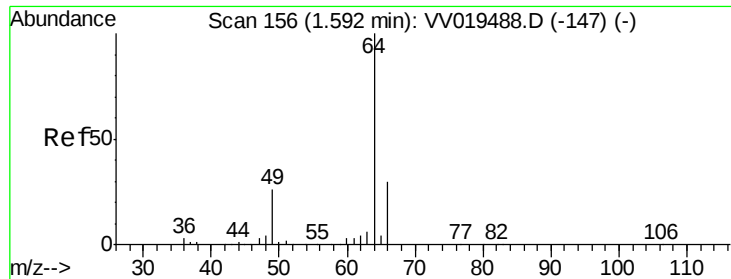
Tgt Ion: 94 Resp: 71374

Ion Ratio Lower Upper

94 100

96 93.3 65.3 121.3





#8

Chloroethane

Concen: 37.193 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

Instrument :

MSVOA_V

ClientSampleId :

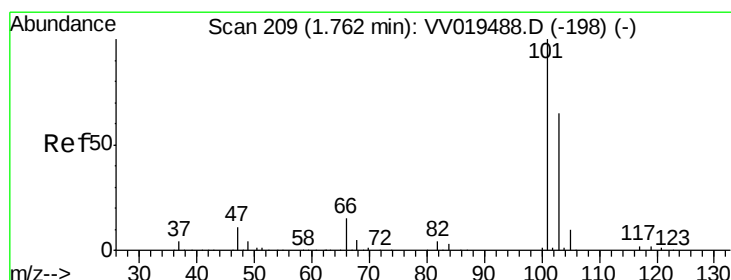
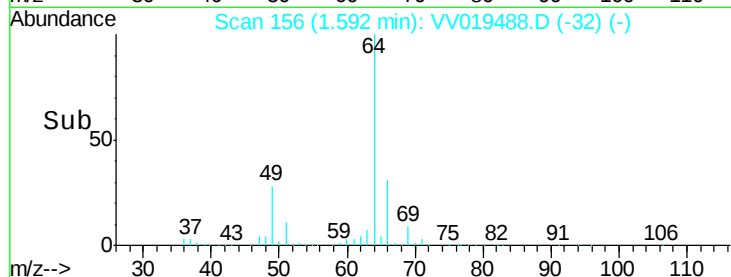
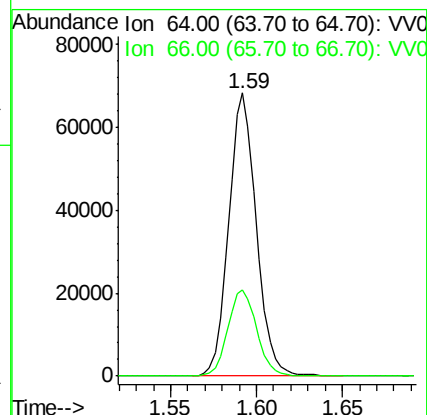
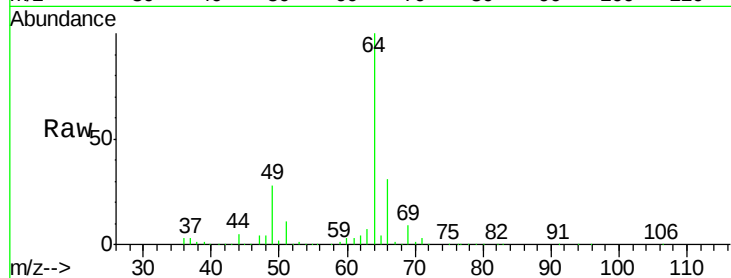
VSTD05061

Tgt Ion: 64 Resp: 76743

Ion Ratio Lower Upper

64 100

66 30.6 21.4 39.8



#9

Trichlorofluoromethane

Concen: 40.192 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV019488.D

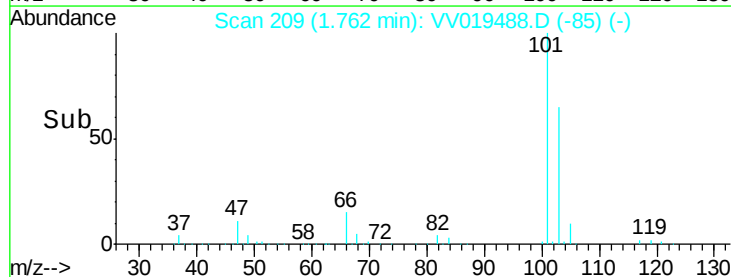
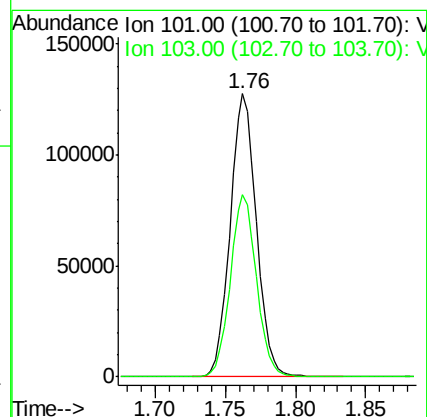
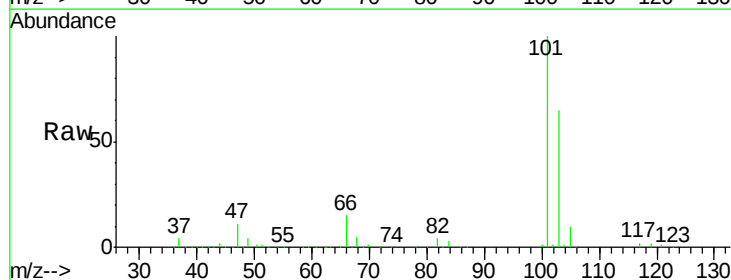
Acq: 07 Dec 2020 12:55

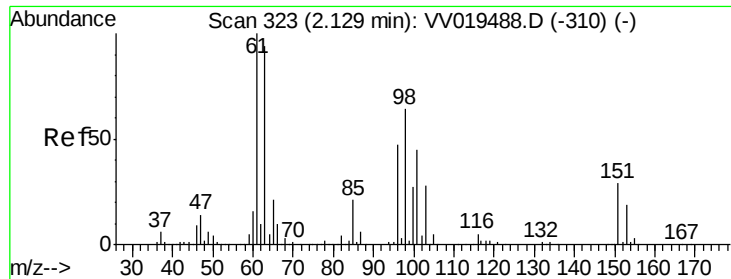
Tgt Ion: 101 Resp: 165633

Ion Ratio Lower Upper

101 100

103 64.4 51.5 77.3





#10

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

Concen: 42.789 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

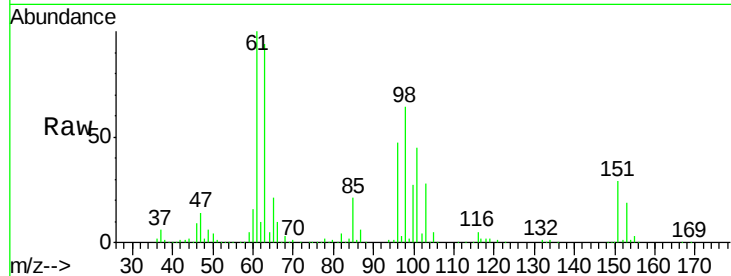
Tgt Ion:101 Resp: 96127

Ion Ratio Lower Upper

101 100

85 46.6 37.3 55.9

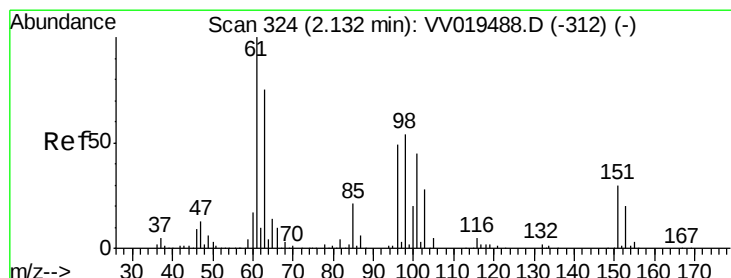
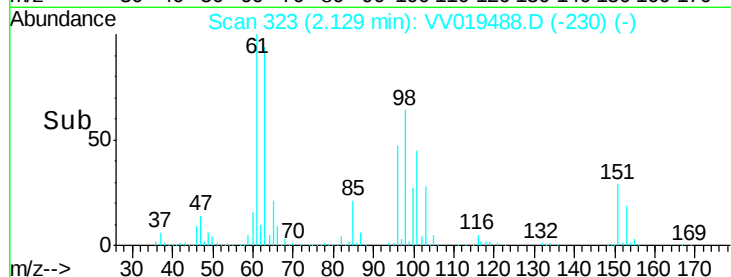
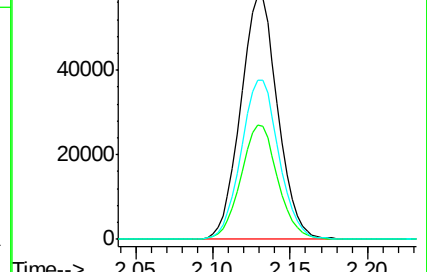
151 66.6 53.3 79.9



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) (-)



#12

1,1-Dichloroethene

Concen: 38.617 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

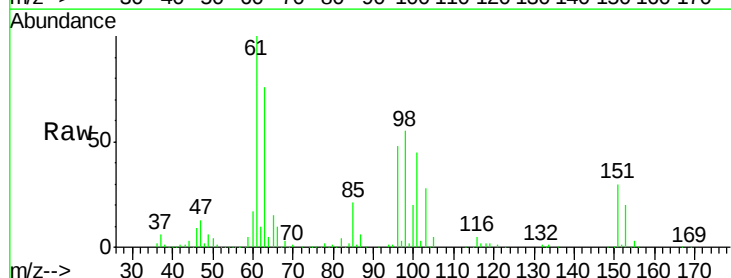
Tgt Ion: 96 Resp: 88617

Ion Ratio Lower Upper

96 100

61 206.8 144.8 268.8

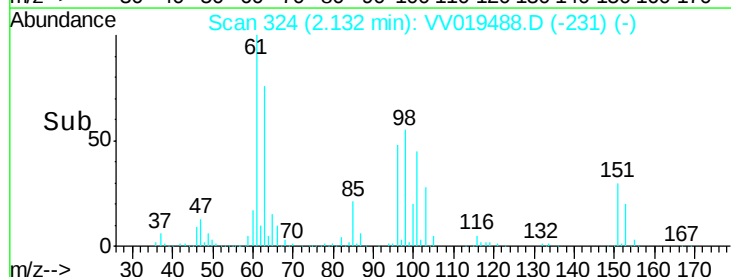
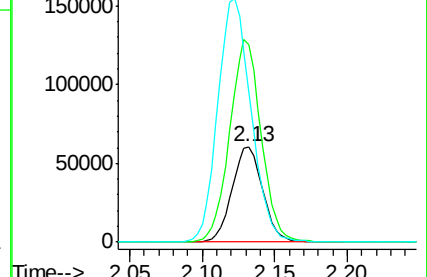
63 157.1 110.0 204.2

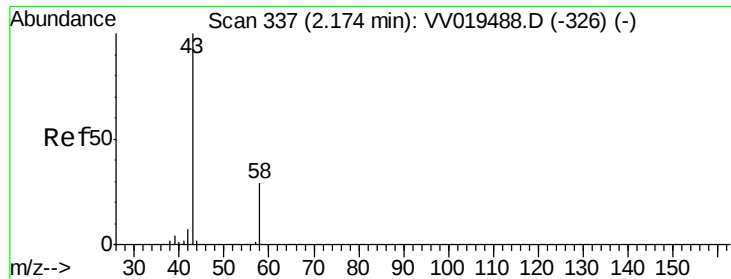


Abundance Ion 96.00 (95.70 to 96.70): VV019488.D (-312) (-)

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

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





#13

Acetone

Concen: 116.279 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

Instrument :

MSVOA_V

ClientSampleId :

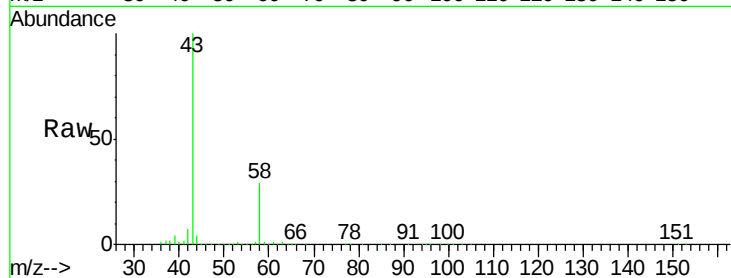
VSTD05061

Tgt Ion: 43 Resp: 188456

Ion Ratio Lower Upper

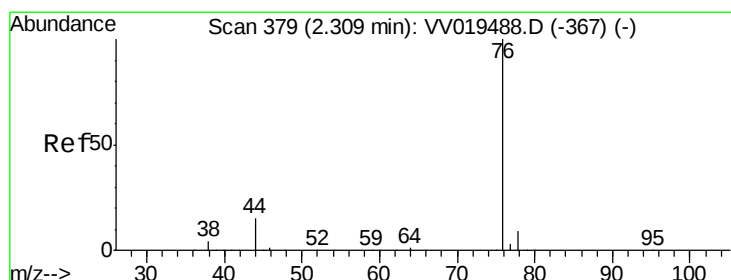
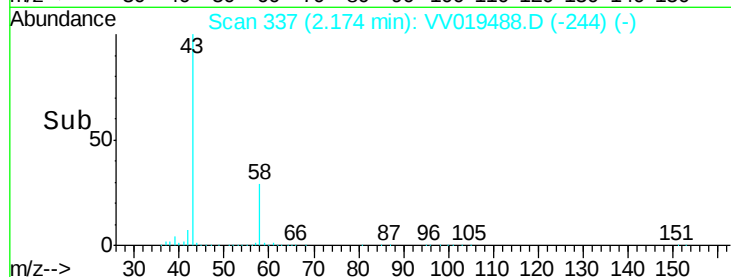
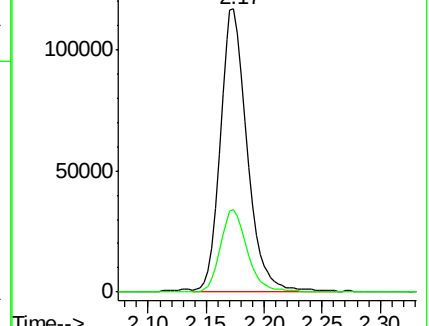
43 100

58 29.0 0.0 58.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 36.517 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019488.D

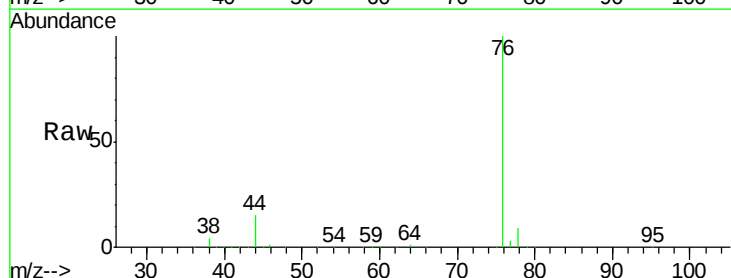
Acq: 07 Dec 2020 12:55

Tgt Ion: 76 Resp: 240459

Ion Ratio Lower Upper

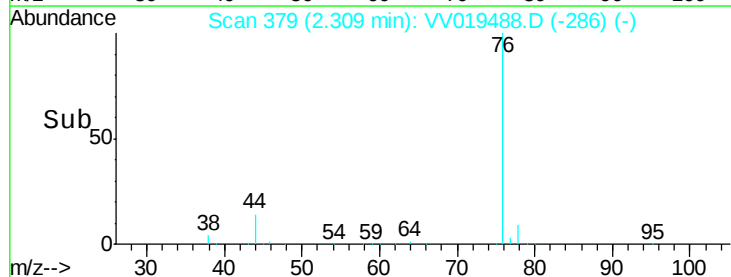
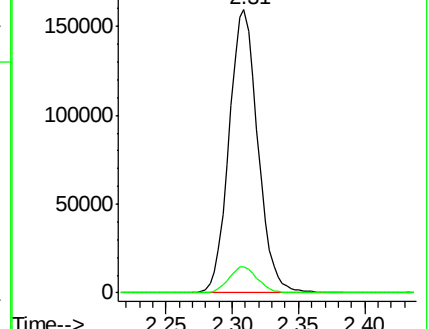
76 100

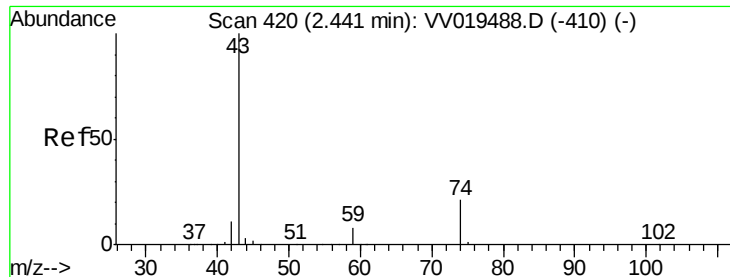
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

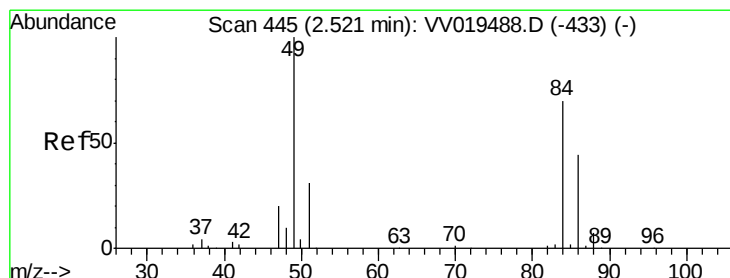
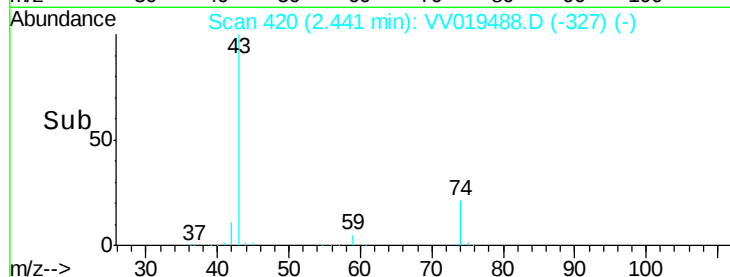
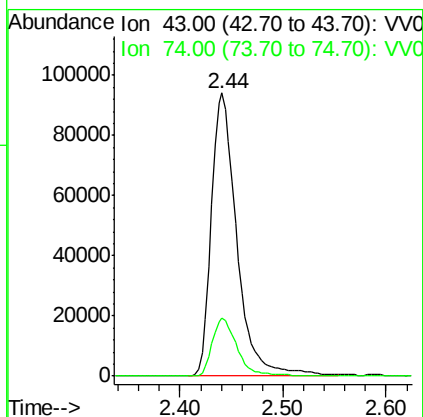
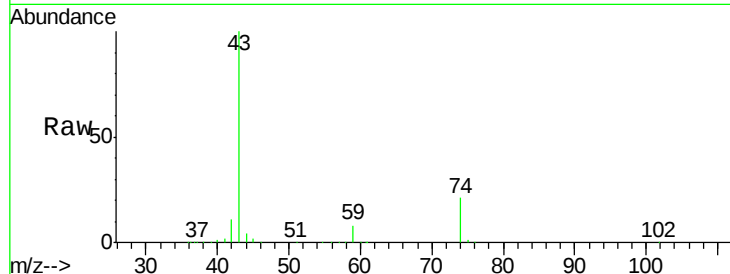




#15
Methyl Acetate
Concen: 51.000 ug/L
RT: 2.44 min Scan# 420
Delta R.T. 0.00 min
Lab File: VV019488.D
Acq: 07 Dec 2020 12:55

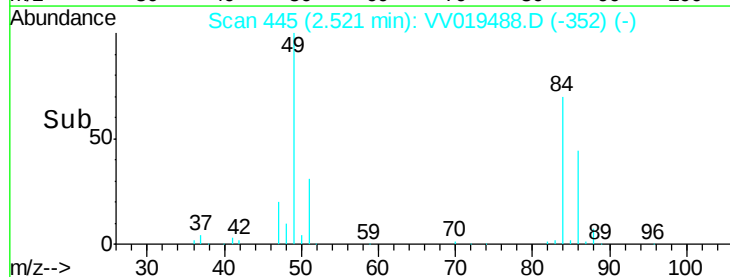
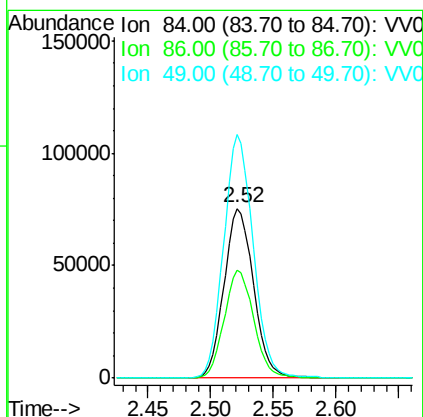
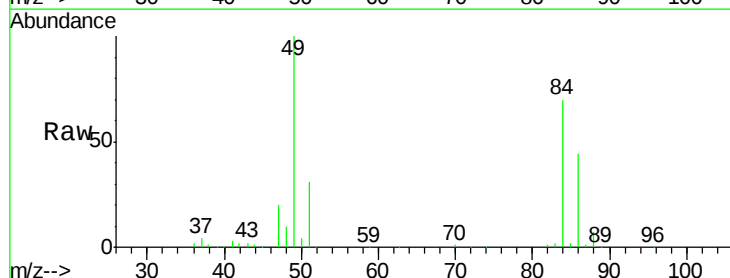
Instrument :
MSVOA_V
ClientSampled :
VSTD05061

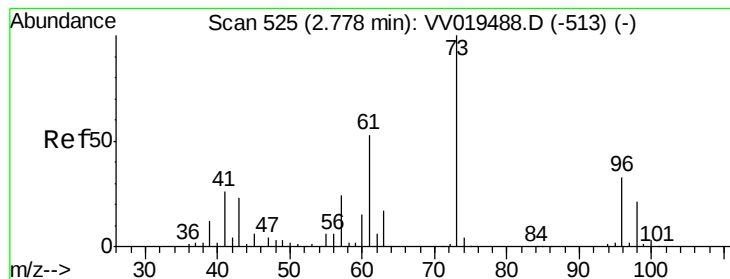
Tgt Ion: 43 Resp: 160225
Ion Ratio Lower Upper
43 100
74 20.3 16.2 24.4



#16
Methylene chloride
Concen: 45.005 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV019488.D
Acq: 07 Dec 2020 12:55

Tgt Ion: 84 Resp: 123545
Ion Ratio Lower Upper
84 100
86 63.4 44.4 82.4
49 143.4 100.4 186.4





#17

trans-1,2-Dichloroethene

Concen: 44.607 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

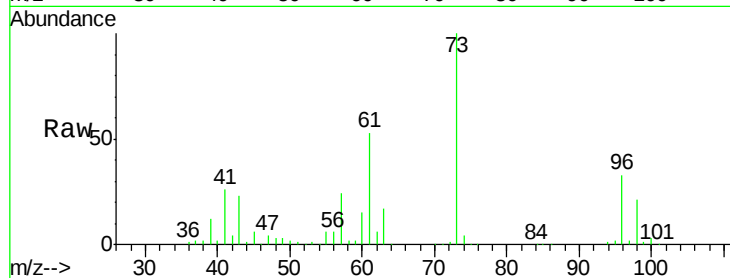
Tgt Ion: 96 Resp: 103608

Ion Ratio Lower Upper

96 100

61 160.7 112.5 208.9

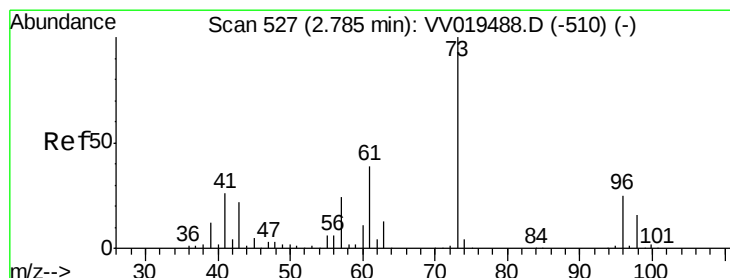
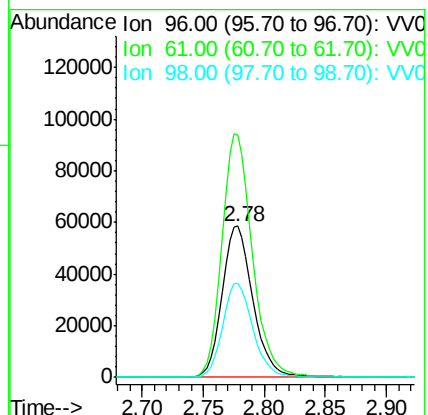
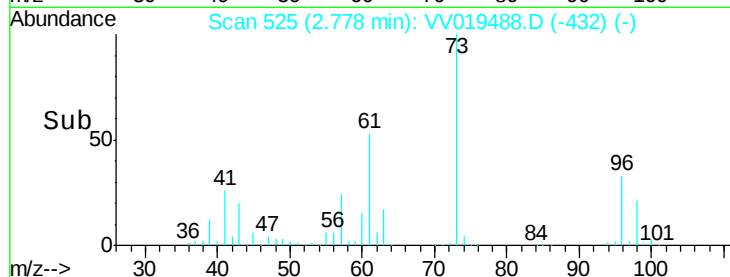
98 62.0 43.4 80.6



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: 50.944 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

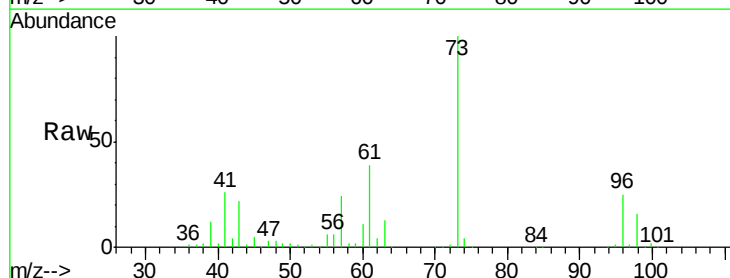
Tgt Ion: 73 Resp: 387845

Ion Ratio Lower Upper

73 100

43 22.5 18.0 27.0

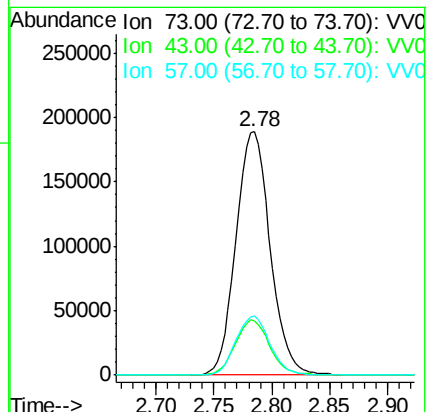
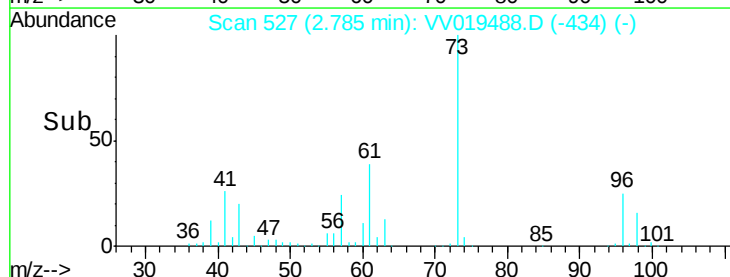
57 24.3 19.4 29.2

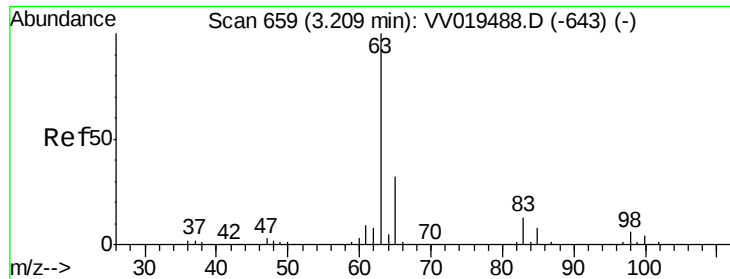


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

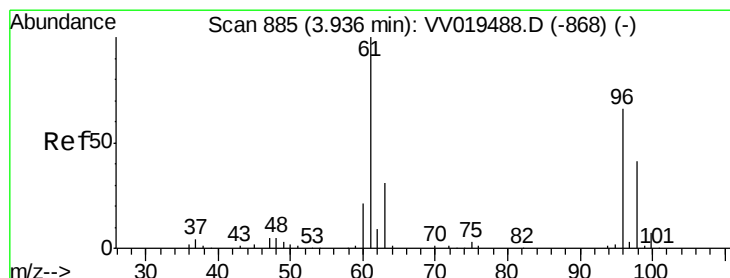
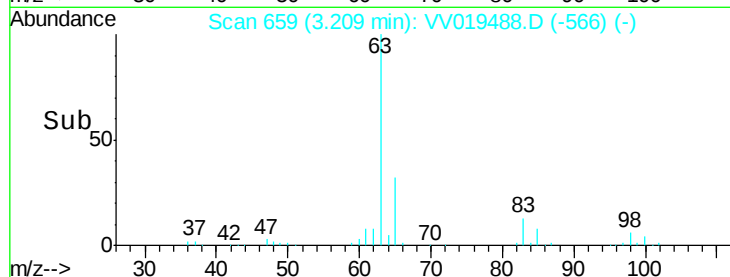
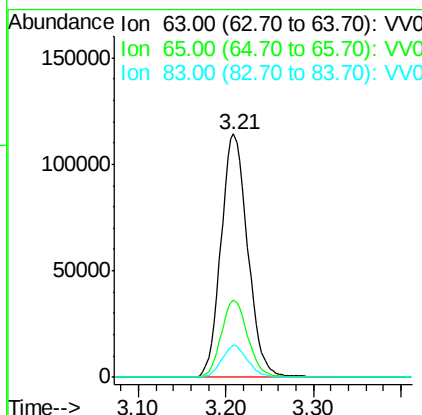
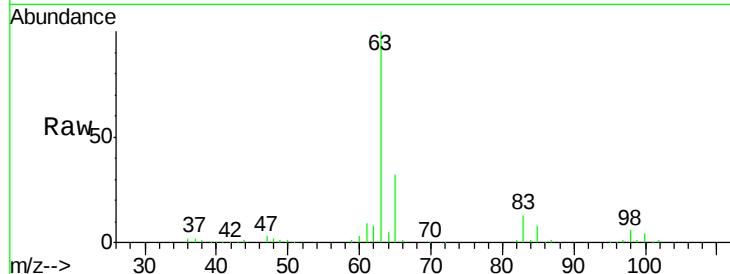




#19
 1,1-Dichloroethane
 Concen: 49.593 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV019488.D
 Acq: 07 Dec 2020 12:55

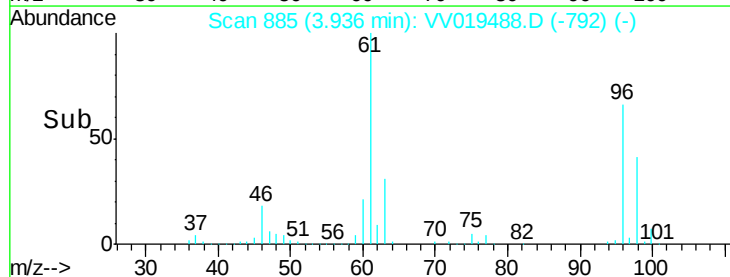
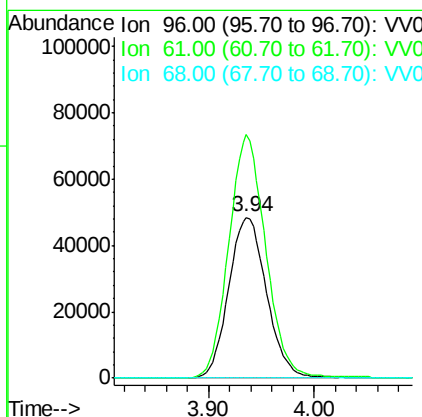
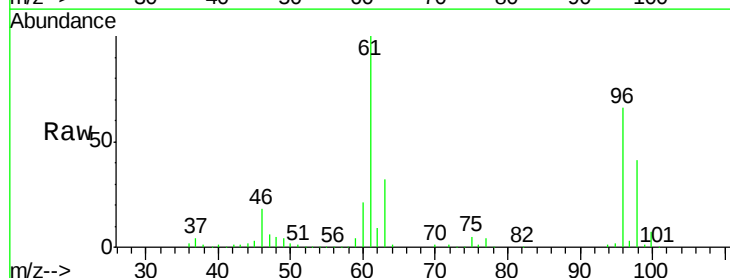
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05061

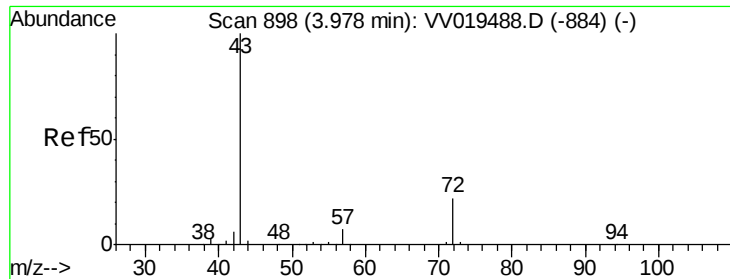
Tgt Ion: 63 Resp: 242575
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.2 41.2
 83 13.2 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 46.879 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV019488.D
 Acq: 07 Dec 2020 12:55

Tgt Ion: 96 Resp: 120804
 Ion Ratio Lower Upper
 96 100
 61 151.7 106.2 197.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 116.922 ug/L

RT: 3.98 min Scan# 898

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

Instrument :

MSVOA_V

ClientSampleId :

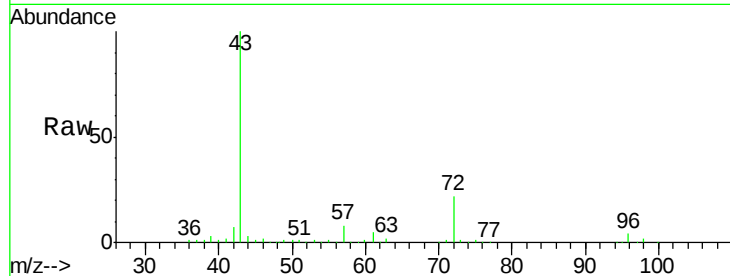
VSTD05061

Tgt Ion: 43 Resp: 245389

Ion Ratio Lower Upper

43 100

72 23.0 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) (-)

3.98

100000

80000

60000

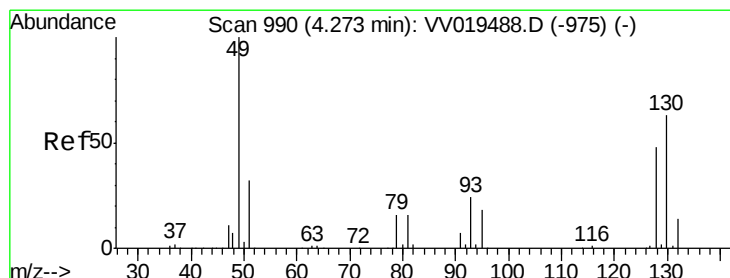
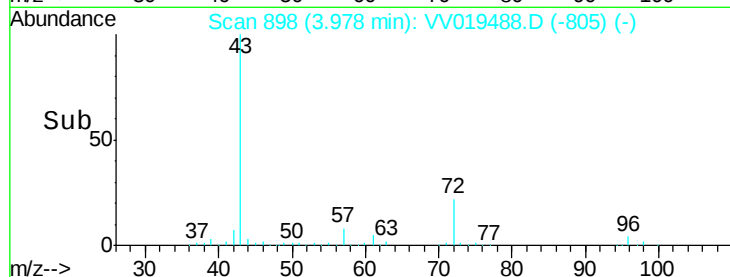
40000

20000

0

3.90 4.00 4.10

Time-->



#23

Bromochloromethane

Concen: 45.052 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

Tgt Ion: 128 Resp: 61065

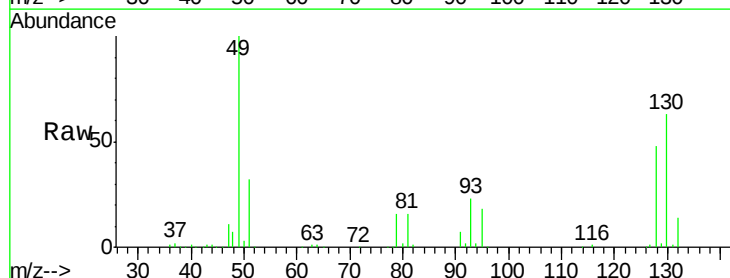
Ion Ratio Lower Upper

128 100

49 208.1 145.7 270.5

130 130.4 91.3 169.5

51 66.8 53.4 80.2



Abundance Ion 128.00 (127.70 to 128.70): VV019488.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV019488.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV019488.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV019488.D (-975) (-)

80000

60000

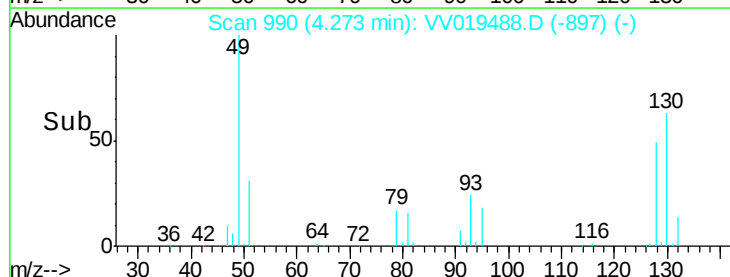
40000

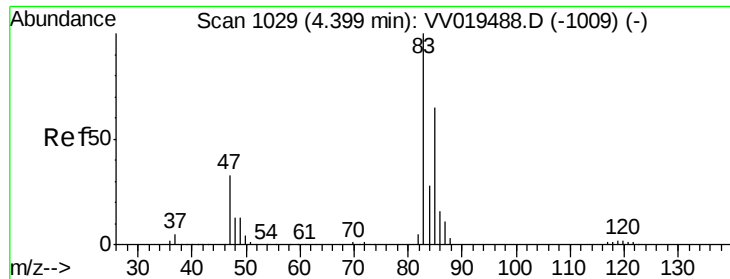
20000

0

4.20 4.25 4.30 4.35 4.40

Time-->

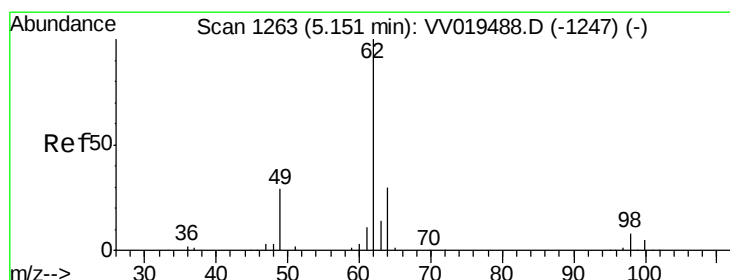
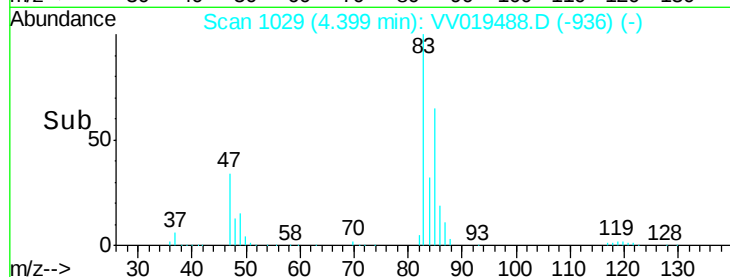
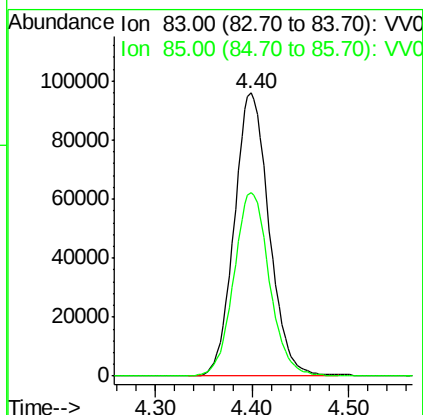
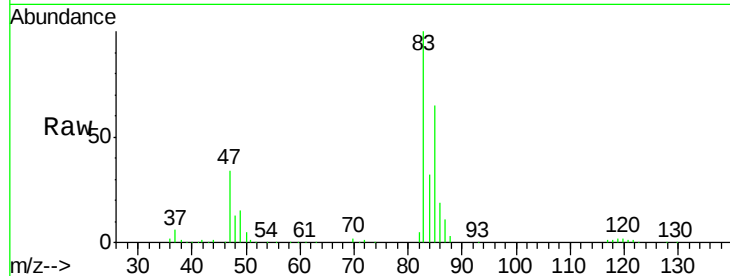




#25
Chloroform
Concen: 48.762 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV019488.D
Acq: 07 Dec 2020 12:55

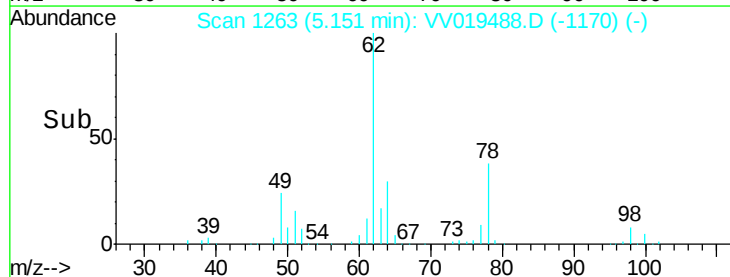
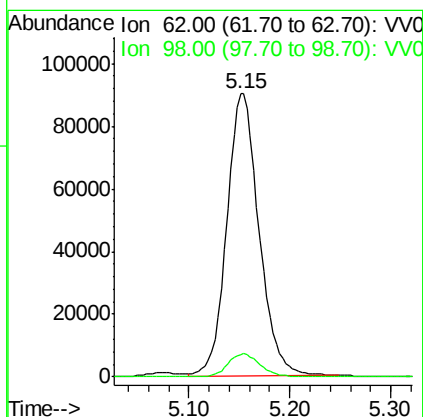
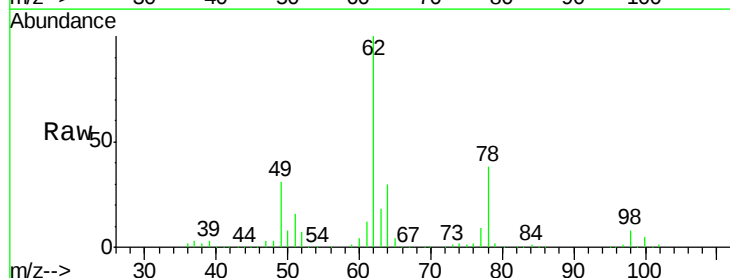
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

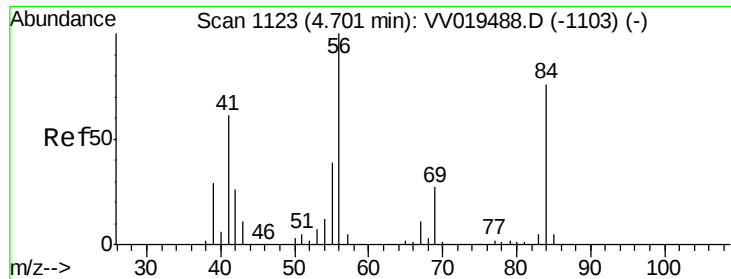
Tgt Ion: 83 Resp: 239488
Ion Ratio Lower Upper
83 100
85 64.8 45.4 84.2



#27
1,2-Dichloroethane
Concen: 51.589 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV019488.D
Acq: 07 Dec 2020 12:55

Tgt Ion: 62 Resp: 200580
Ion Ratio Lower Upper
62 100
98 8.0 6.4 9.6

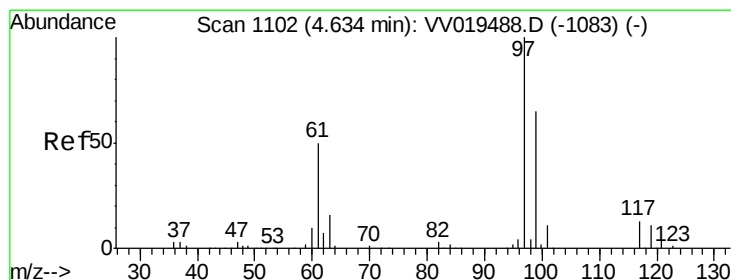
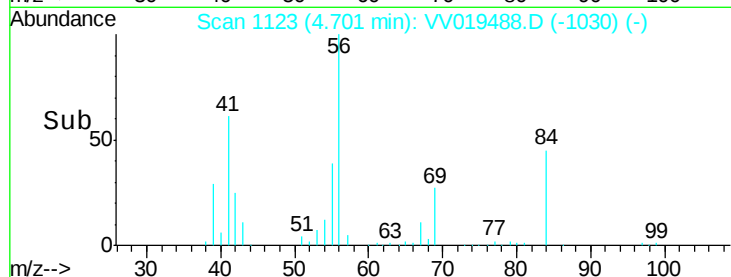
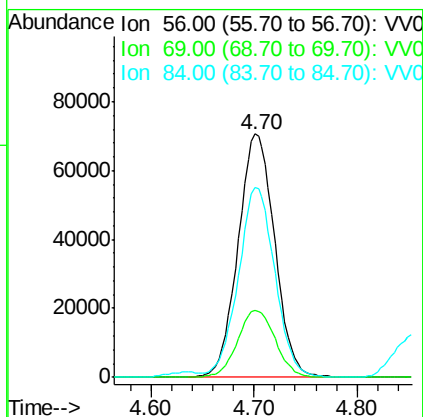
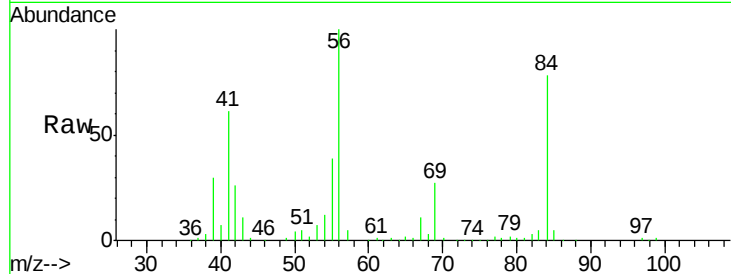




#29
Cyclohexane
Concen: 51.181 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV019488.D
Acq: 07 Dec 2020 12:55

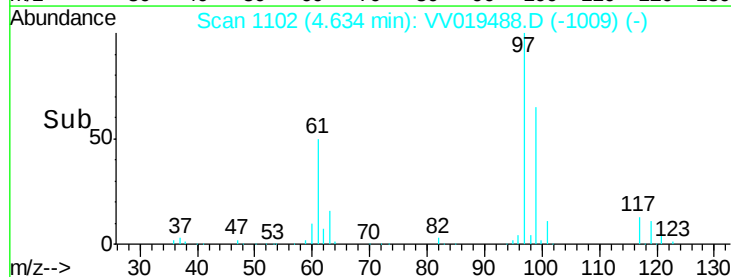
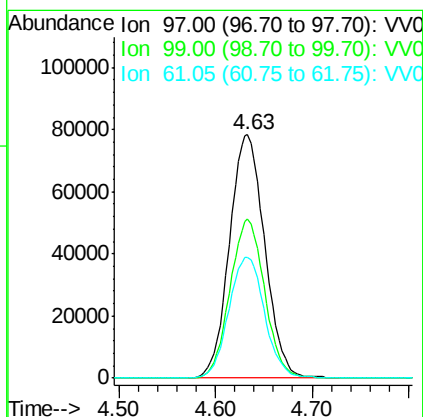
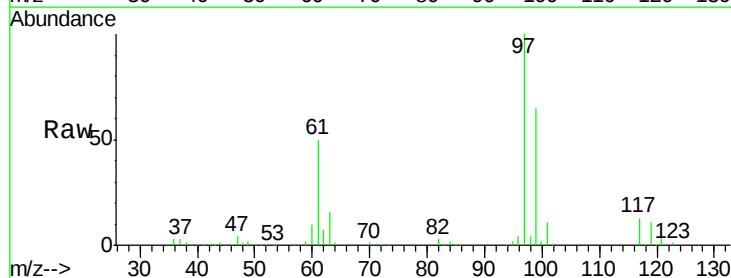
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

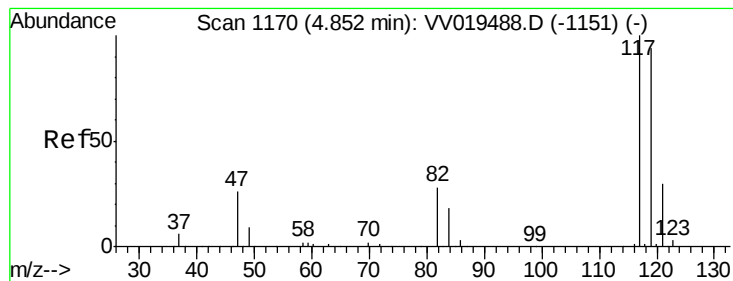
Tgt Ion: 56 Resp: 174331
Ion Ratio Lower Upper
56 100
69 28.3 22.6 34.0
84 77.4 61.9 92.9



#30
1,1,1-Trichloroethane
Concen: 50.393 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV019488.D
Acq: 07 Dec 2020 12:55

Tgt Ion: 97 Resp: 198401
Ion Ratio Lower Upper
97 100
99 64.1 51.3 76.9
61 50.5 40.4 60.6





#31

Carbon tetrachloride

Concen: 49.044 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

Instrument :

MSVOA_V

ClientSampleId :

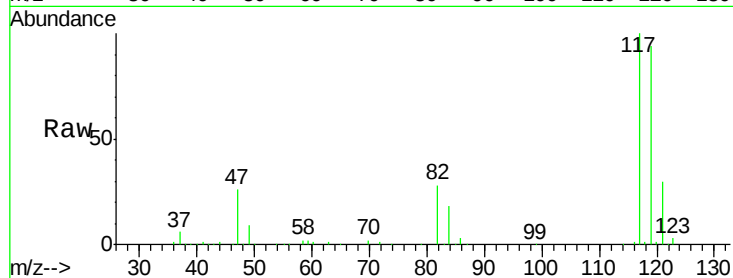
VSTD05061

Tgt Ion:117 Resp: 164588

Ion Ratio Lower Upper

117 100

119 94.3 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

80000

60000

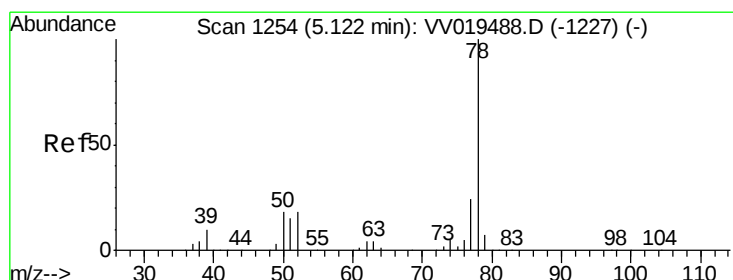
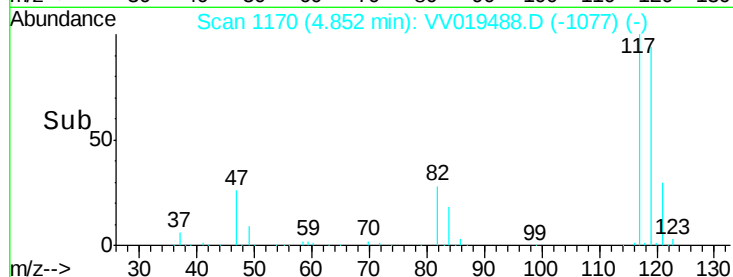
40000

20000

0

4.75 4.80 4.85 4.90 4.95

Time-->



#33

Benzene

Concen: 49.969 ug/L

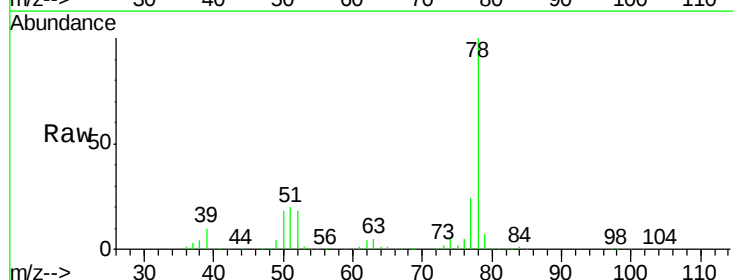
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

Tgt Ion: 78 Resp: 482808



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.12

250000

200000

150000

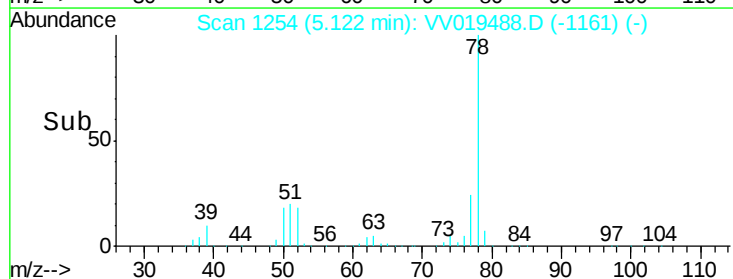
100000

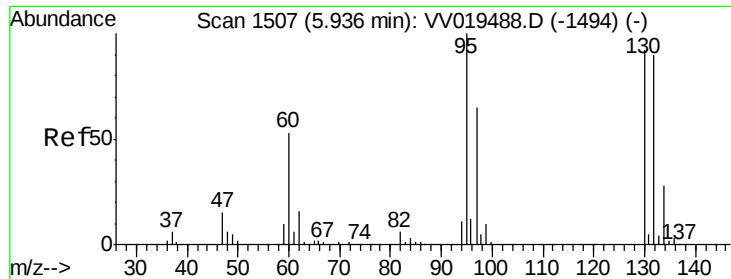
50000

0

5.00 5.10 5.20

Time-->





#34

Trichloroethene

Concen: 47.622 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

Tgt Ion: 95 Resp: 128342

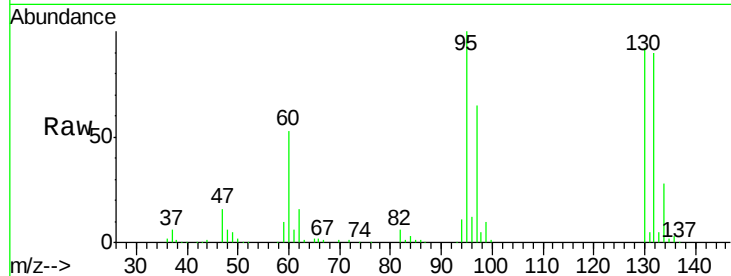
Ion Ratio Lower Upper

95 100

97 65.0 45.5 84.5

132 89.9 62.9 116.9

130 92.5 64.8 120.3

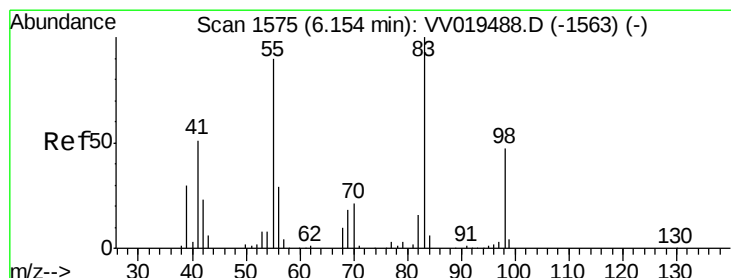
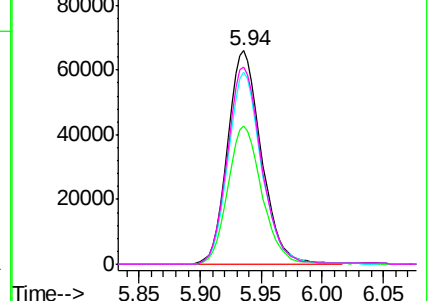
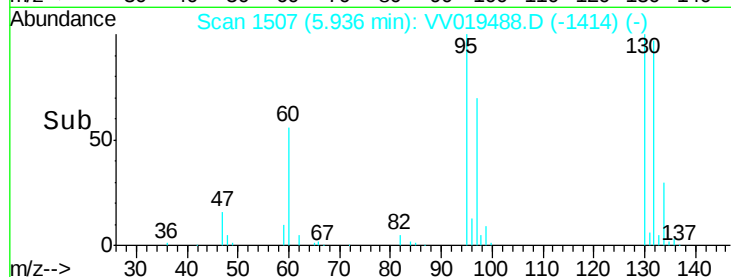


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 50.197 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

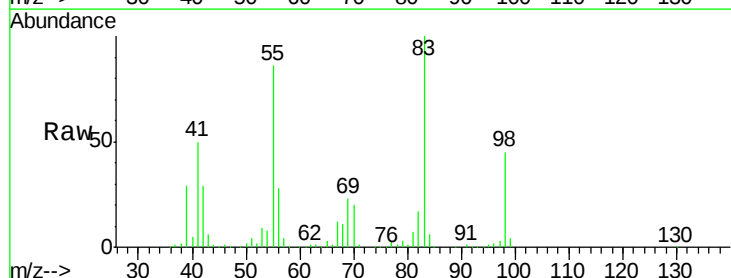
Tgt Ion: 83 Resp: 159450

Ion Ratio Lower Upper

83 100

55 87.3 69.8 104.8

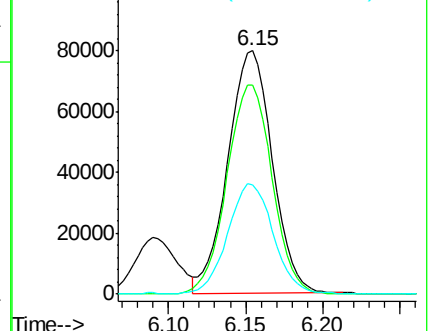
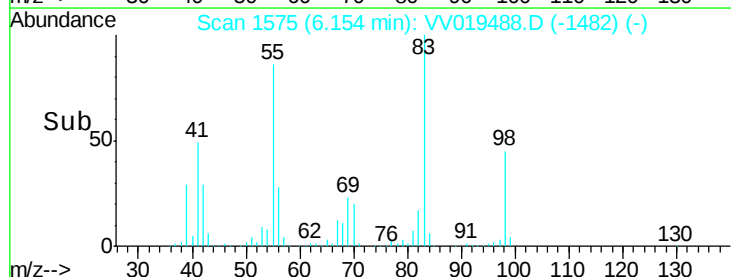
98 46.3 37.0 55.6

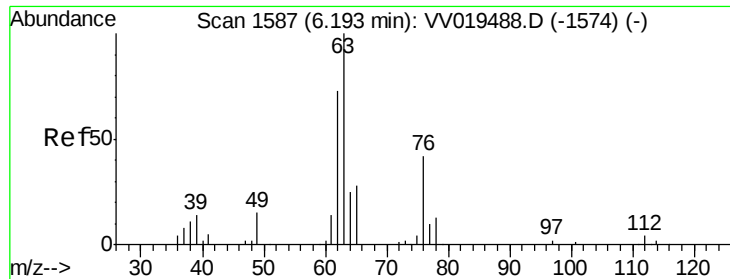


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

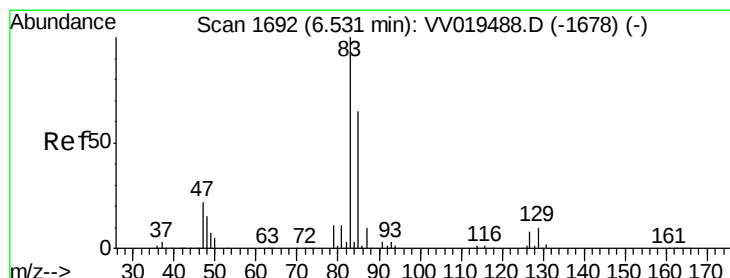
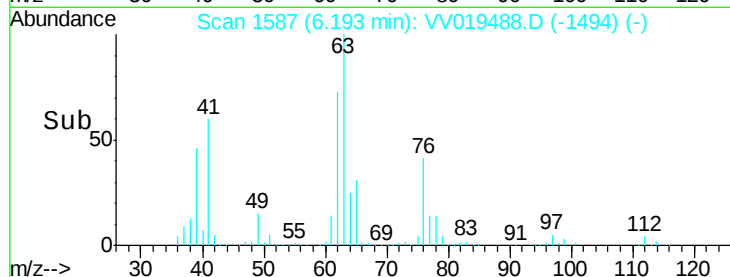
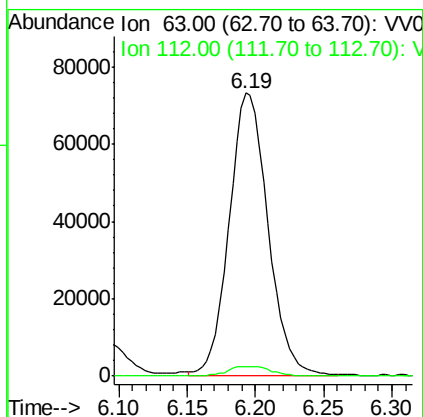
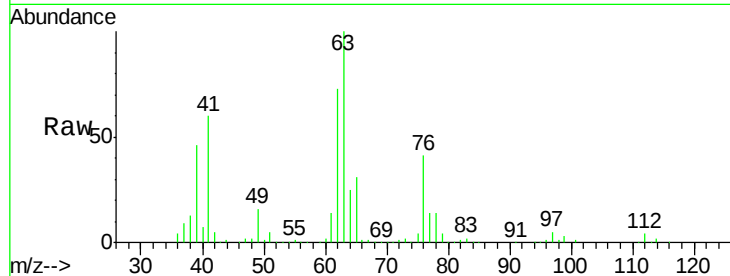




#37
 1,2-Dichloropropane
 Concen: 53.221 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: VV019488.D
 Acq: 07 Dec 2020 12:55

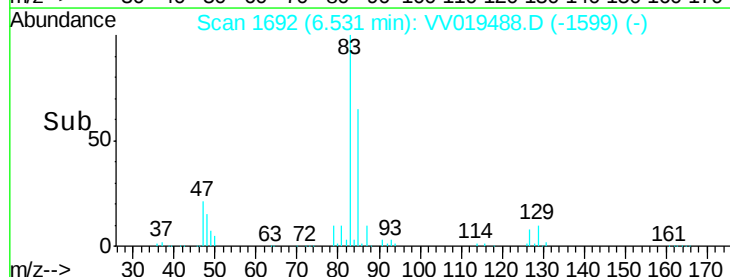
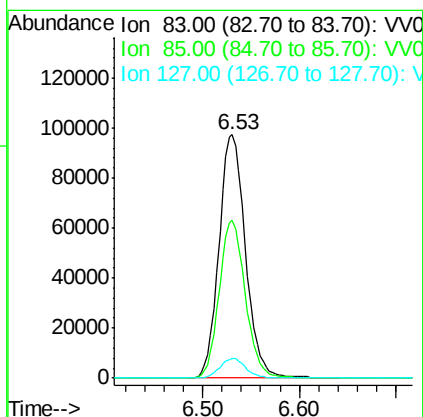
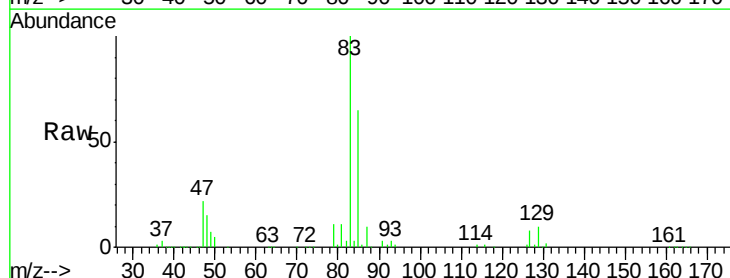
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

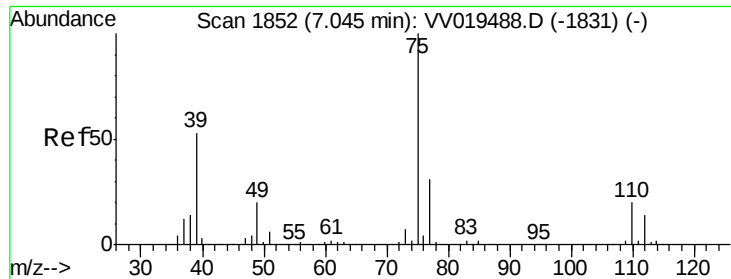
Tgt Ion: 63 Resp: 144778
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 51.620 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV019488.D
 Acq: 07 Dec 2020 12:55

Tgt Ion: 83 Resp: 185011
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.5 84.5
 127 8.0 6.4 9.6

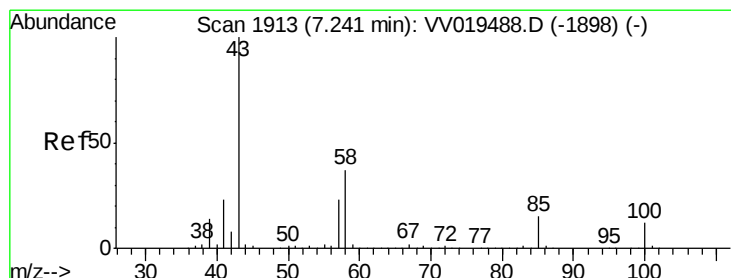
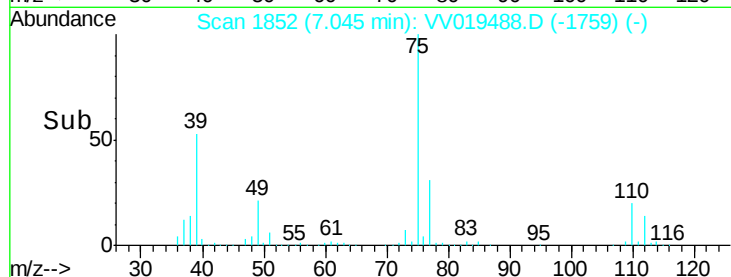
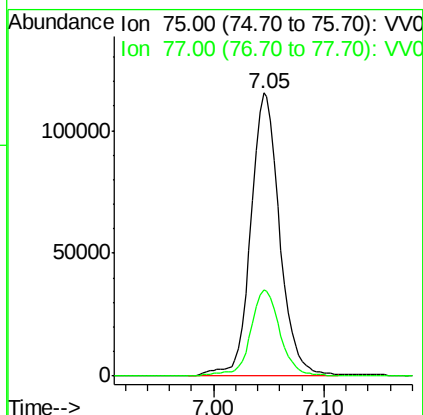
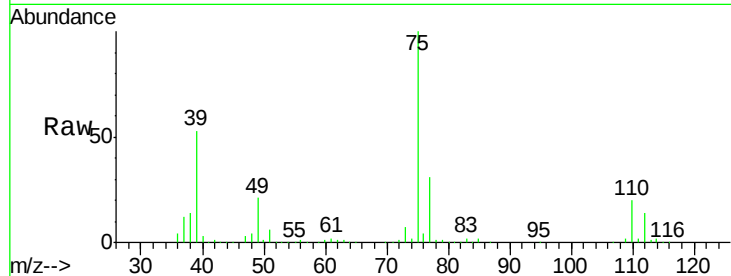




#39
 cis-1,3-Dichloropropene
 Concen: 52.856 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV019488.D
 Acq: 07 Dec 2020 12:55

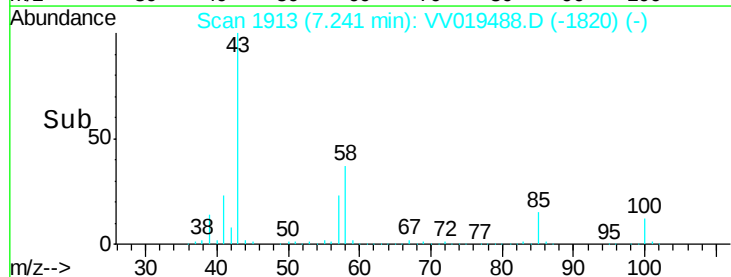
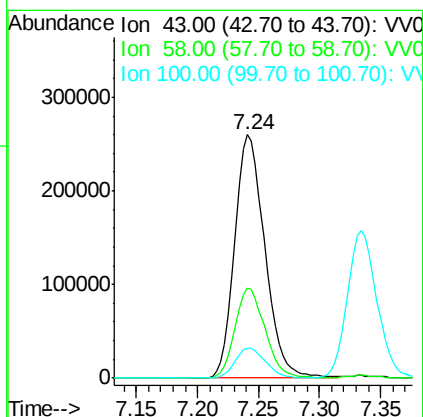
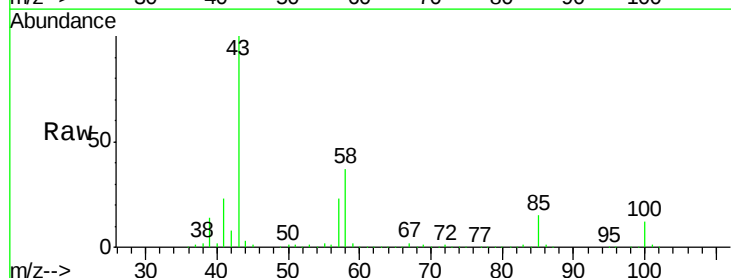
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

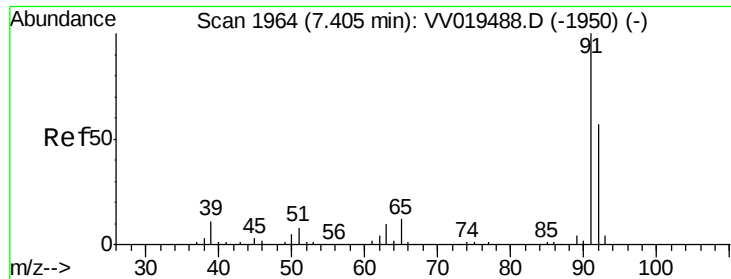
Tgt Ion: 75 Resp: 209623
 Ion Ratio Lower Upper
 75 100
 77 30.6 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 115.389 ug/L
 RT: 7.24 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VV019488.D
 Acq: 07 Dec 2020 12:55

Tgt Ion: 43 Resp: 446538
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.5 44.3
 100 12.5 10.0 15.0





#42

Toluene

Concen: 49.605 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

Instrument :

MSVOA_V

ClientSampleId :

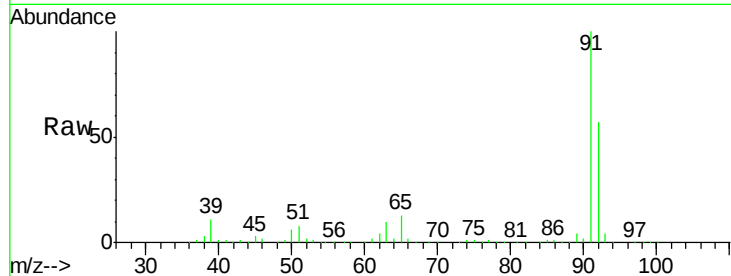
VSTD05061

Tgt Ion: 91 Resp: 494228

Ion Ratio Lower Upper

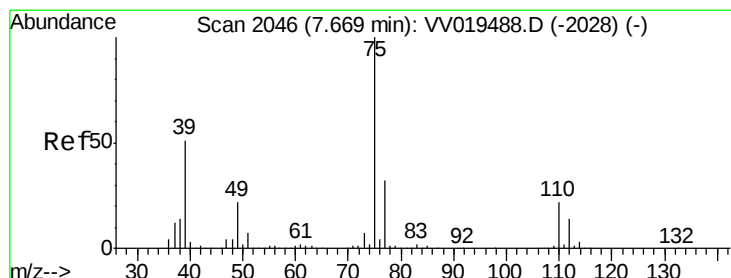
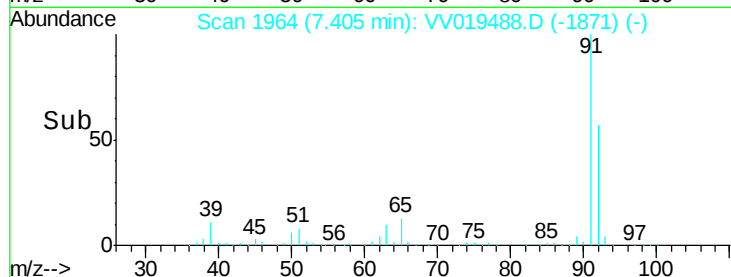
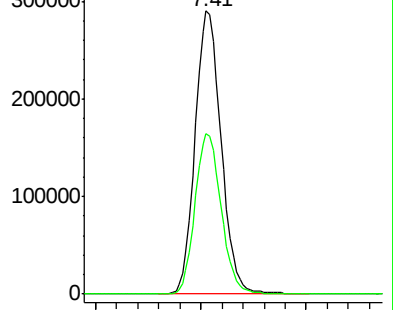
91 100

92 56.8 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 52.812 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV019488.D

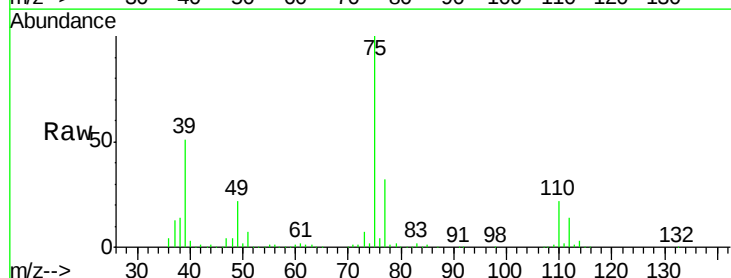
Acq: 07 Dec 2020 12:55

Tgt Ion: 75 Resp: 208361

Ion Ratio Lower Upper

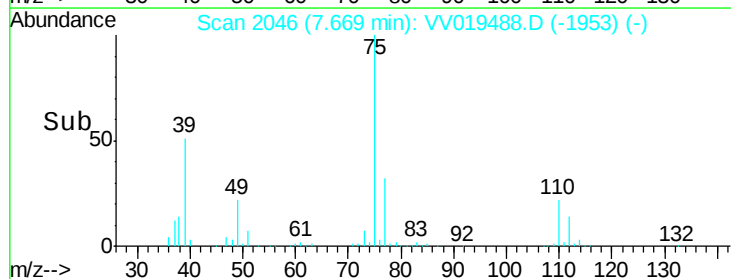
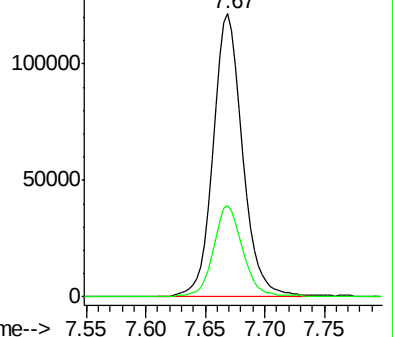
75 100

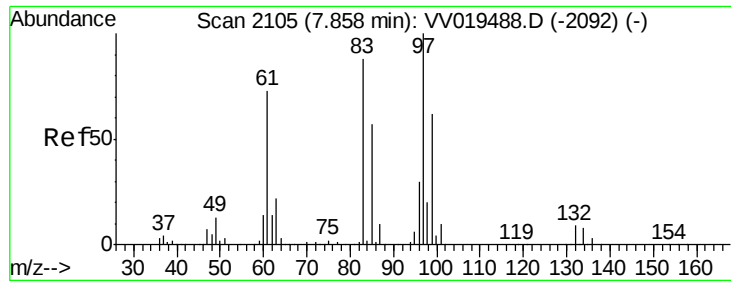
77 32.4 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

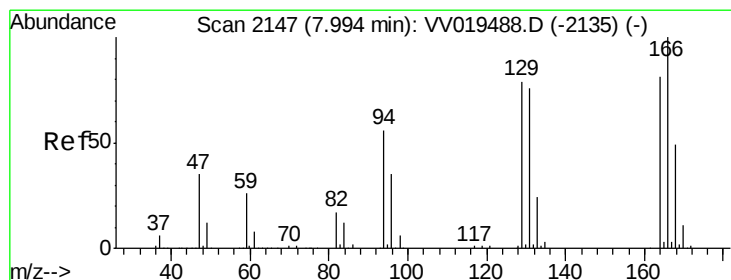
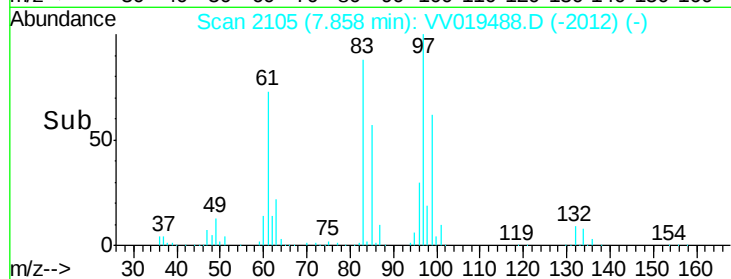
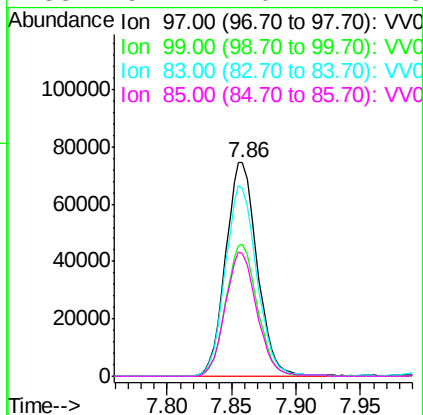
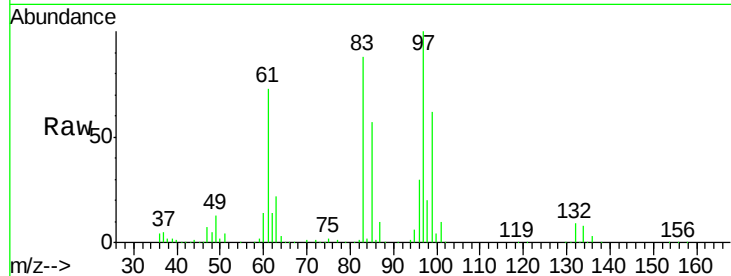




#45
 1,1,2-Trichloroethane
 Concen: 50.488 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV019488.D
 Acq: 07 Dec 2020 12:55

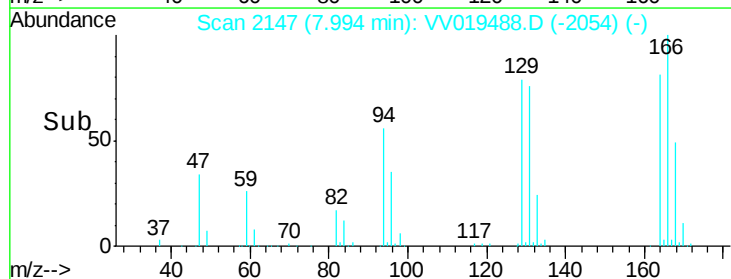
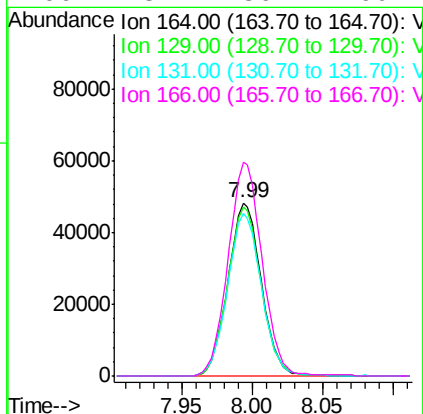
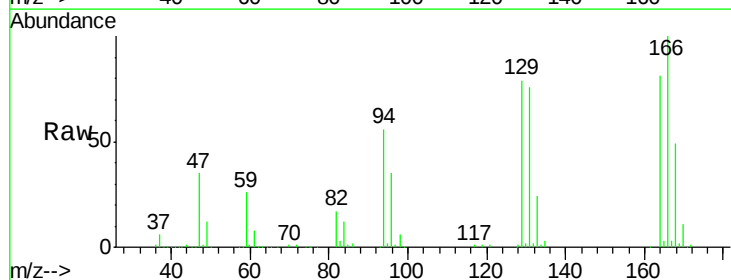
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

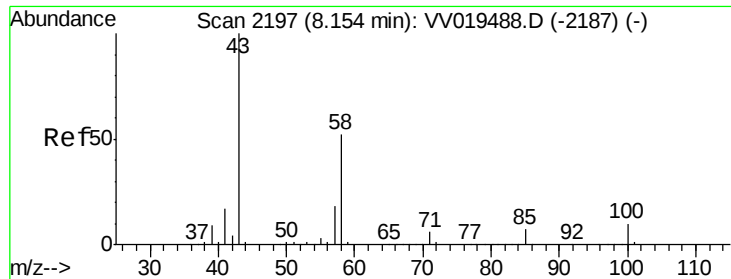
Tgt Ion:	97	Resp:	126497
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.1	80.1
83	88.2	61.7	114.7
85	57.4	40.2	74.6



#46
 Tetrachloroethene
 Concen: 43.726 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: VV019488.D
 Acq: 07 Dec 2020 12:55

Tgt Ion:	164	Resp:	79880
Ion	Ratio	Lower	Upper
164	100		
129	97.7	68.4	127.0
131	93.7	65.6	121.8
166	123.4	86.4	160.4

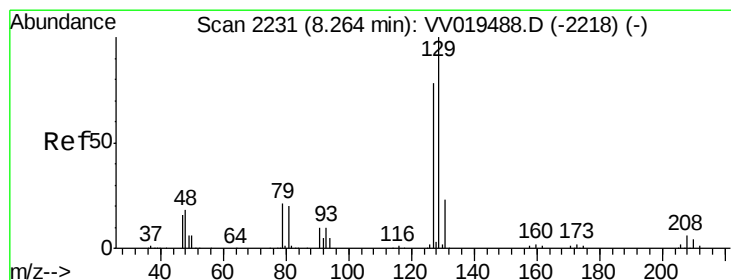
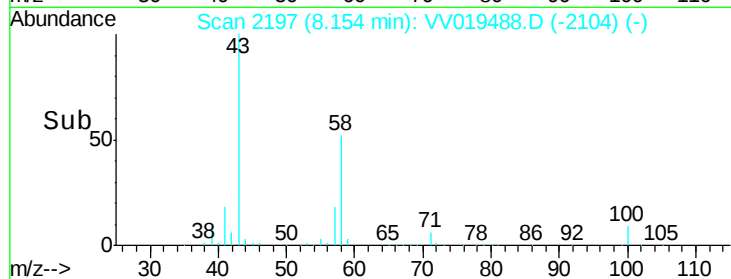
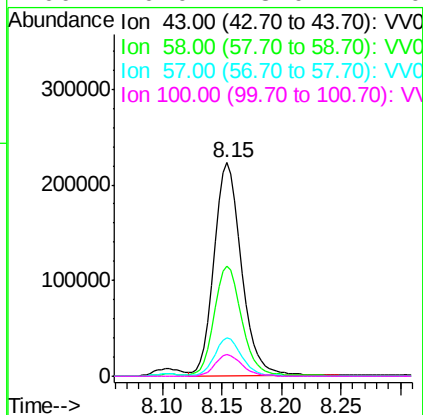
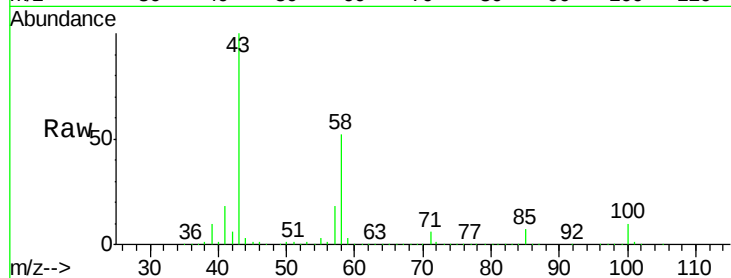




#48
2-Hexanone
Concen: 116.232 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VV019488.D
Acq: 07 Dec 2020 12:55

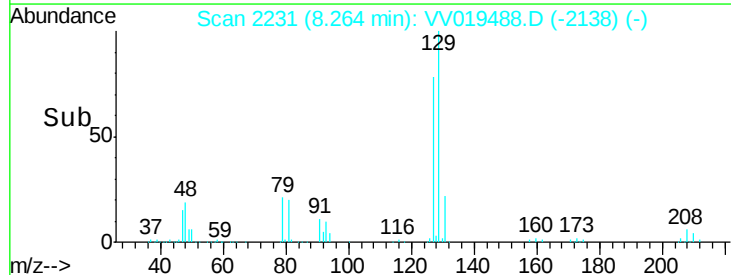
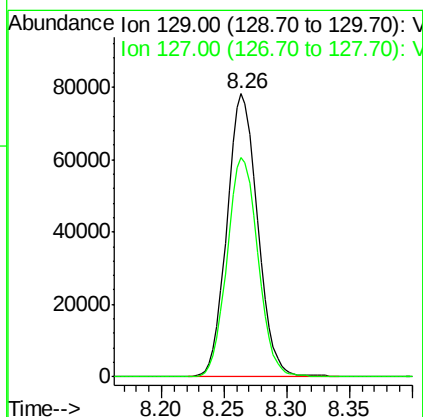
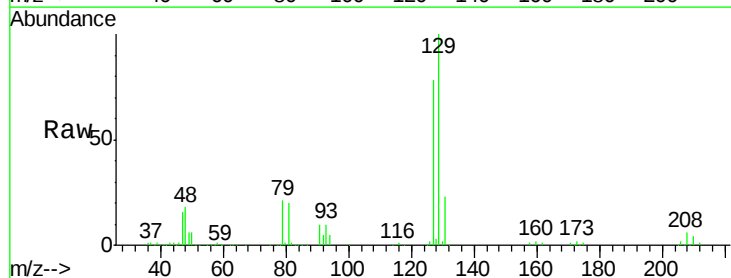
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

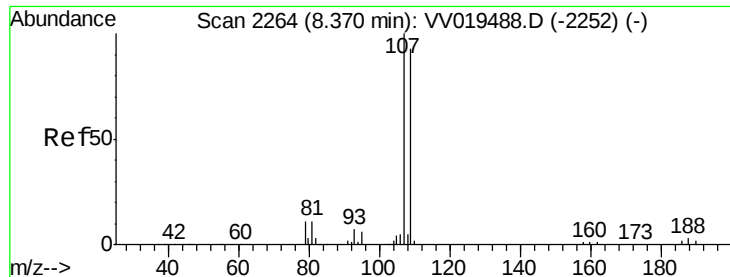
Tgt Ion: 43 Resp: 356694
Ion Ratio Lower Upper
43 100
58 51.3 41.0 61.6
57 17.7 14.2 21.2
100 10.0 8.0 12.0



#49
Dibromochloromethane
Concen: 48.565 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VV019488.D
Acq: 07 Dec 2020 12:55

Tgt Ion: 129 Resp: 132952
Ion Ratio Lower Upper
129 100
127 77.6 54.3 100.9

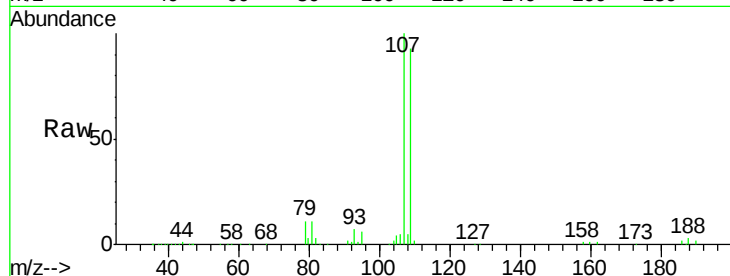




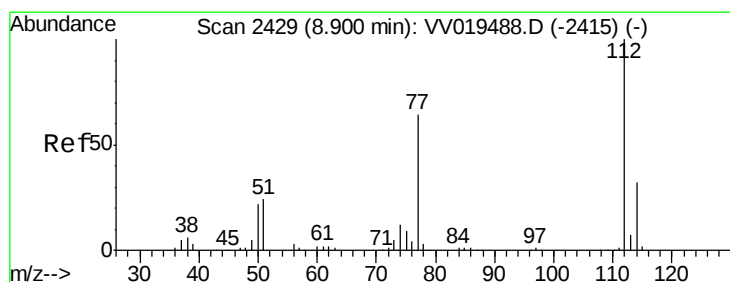
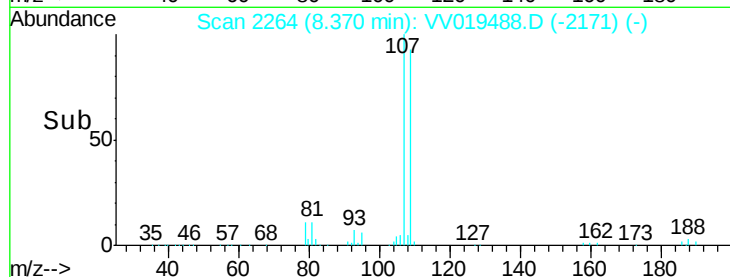
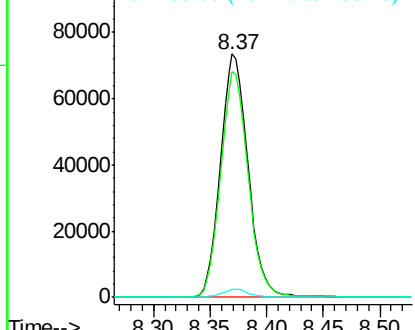
#50
1,2-Dibromoethane
Concen: 47.616 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.00 min
Lab File: VV019488.D
Acq: 07 Dec 2020 12:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

Tgt Ion:107 Resp: 125148
Ion Ratio Lower Upper
107 100
109 93.0 65.1 120.9
188 3.3 2.6 4.0

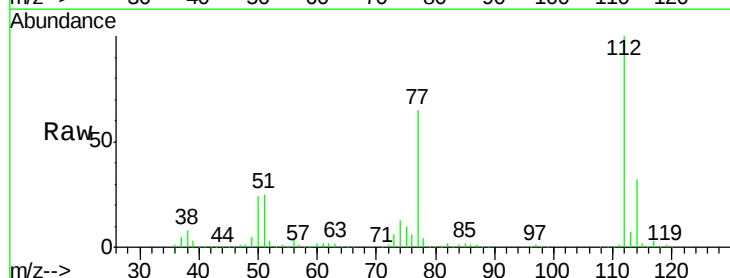


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

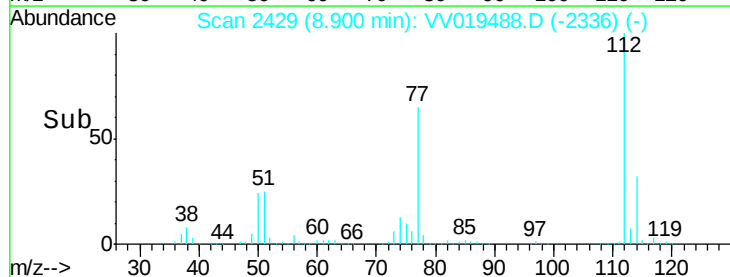
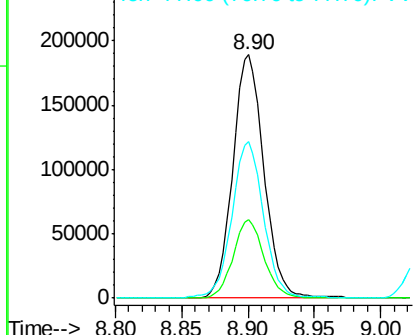


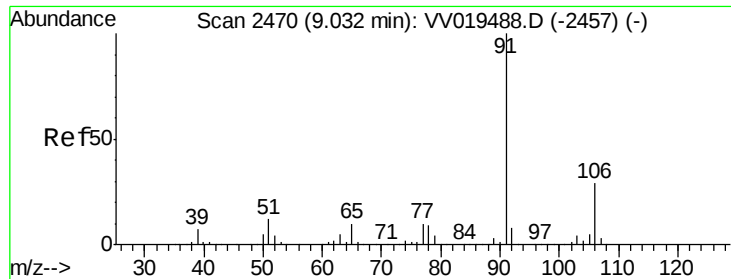
#51
Chlorobenzene
Concen: 46.939 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019488.D
Acq: 07 Dec 2020 12:55

Tgt Ion:112 Resp: 308074
Ion Ratio Lower Upper
112 100
114 32.0 22.4 41.6
77 64.5 51.6 77.4



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

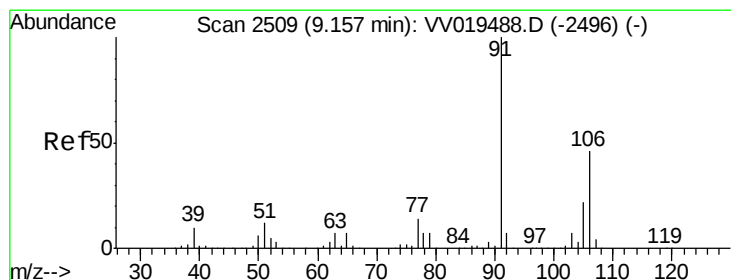
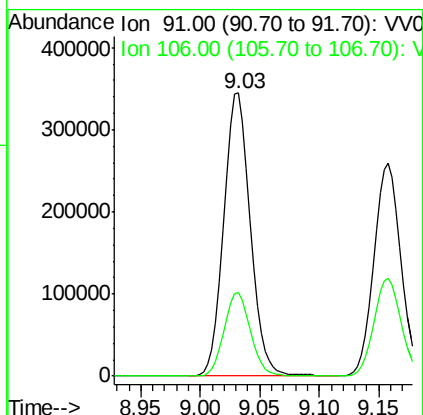
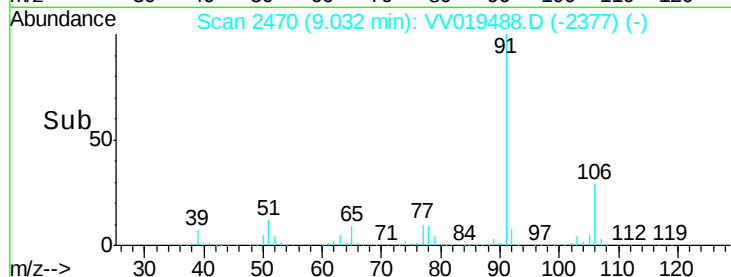
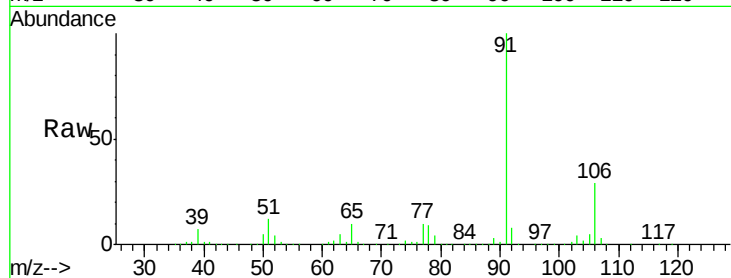




#52
Ethylbenzene
Concen: 49.883 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV019488.D
Acq: 07 Dec 2020 12:55

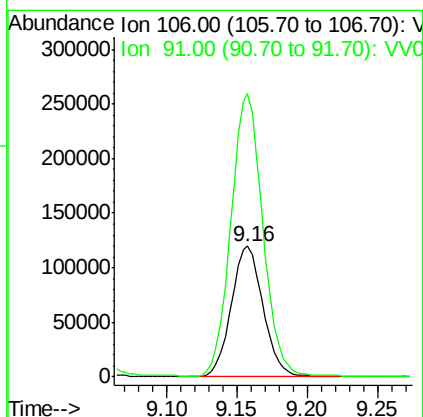
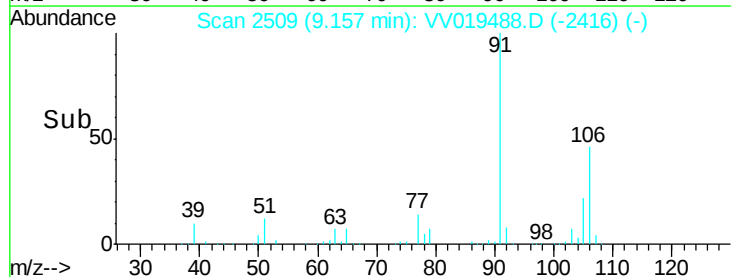
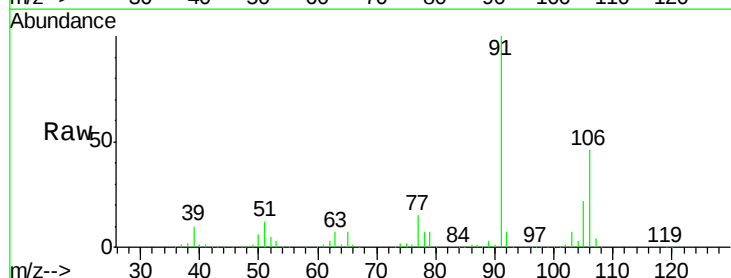
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

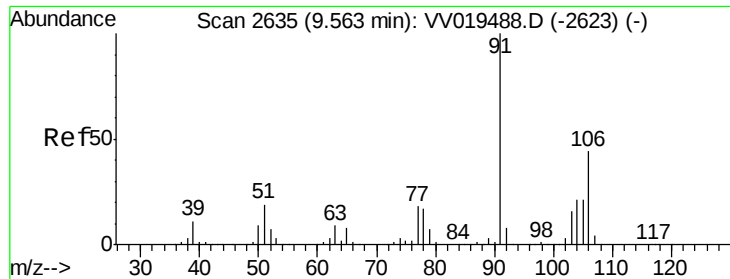
Tgt Ion: 91 Resp: 534933
Ion Ratio Lower Upper
91 100
106 29.4 20.6 38.2



#53
m,p-Xylene
Concen: 48.206 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV019488.D
Acq: 07 Dec 2020 12:55

Tgt Ion: 106 Resp: 189451
Ion Ratio Lower Upper
106 100
91 216.7 151.7 281.7





#54

o-xylene

Concen: 49.076 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

Instrument :

MSVOA_V

ClientSampleId :

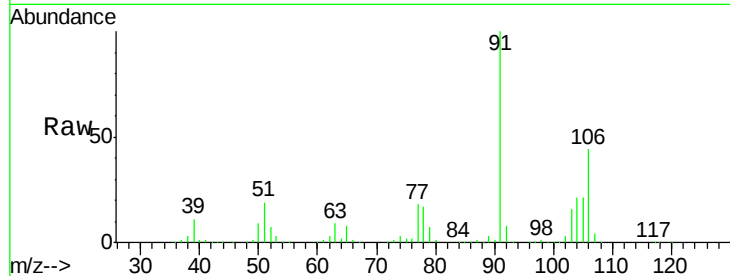
VSTD05061

Tgt Ion:106 Resp: 187708

Ion Ratio Lower Upper

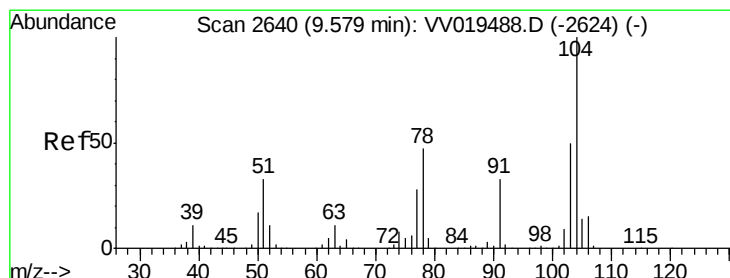
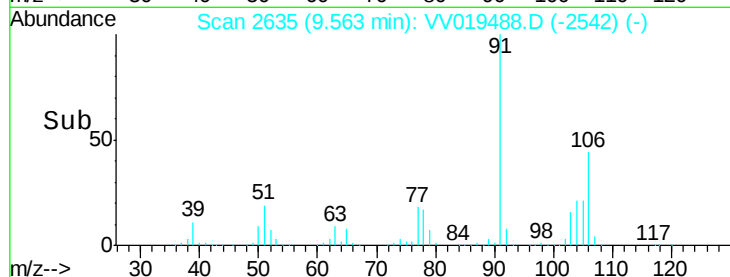
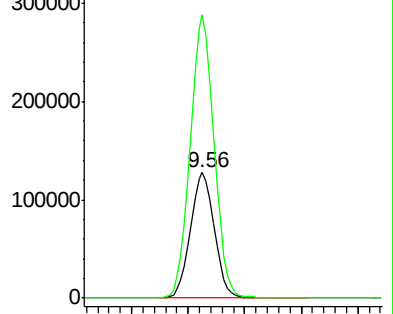
106 100

91 225.8 158.1 293.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 50.585 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019488.D

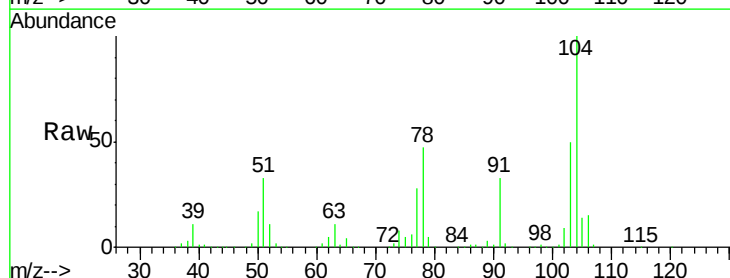
Acq: 07 Dec 2020 12:55

Tgt Ion:104 Resp: 347147

Ion Ratio Lower Upper

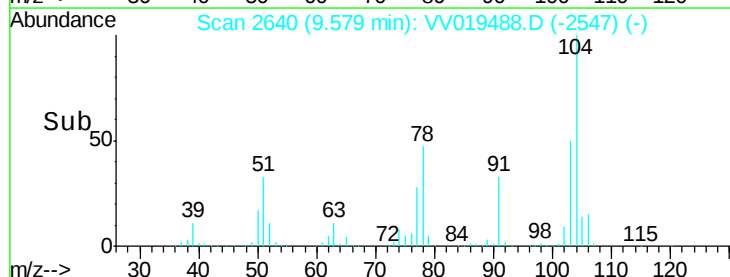
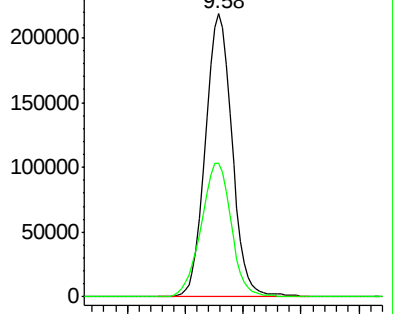
104 100

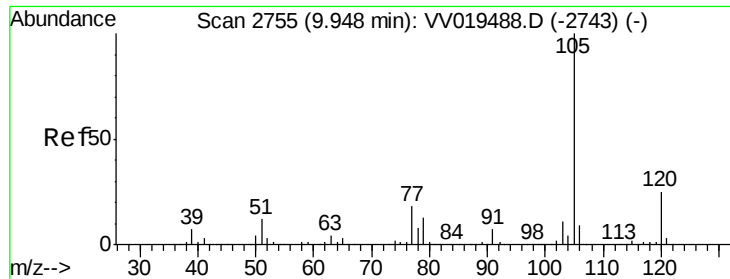
78 47.4 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.219 ug/L

RT: 9.95 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

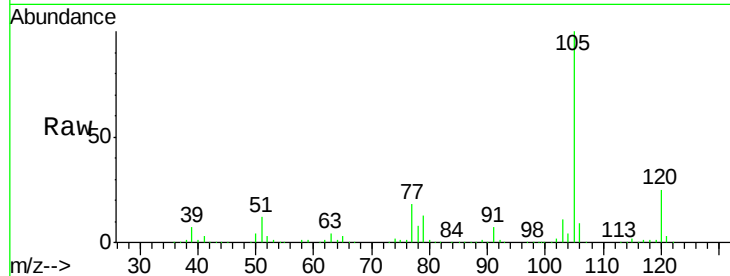
Tgt Ion: 105 Resp: 508007

Ion Ratio Lower Upper

105 100

120 25.3 20.2 30.4

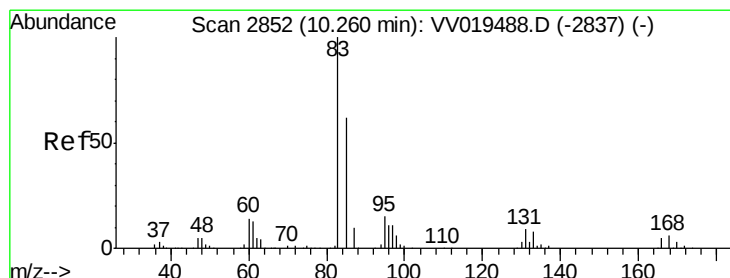
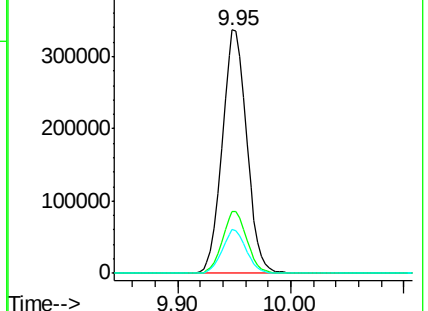
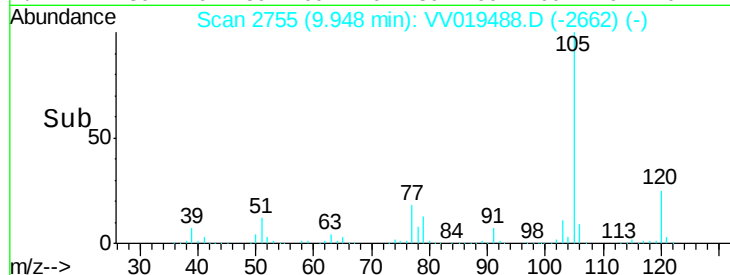
77 17.6 14.1 21.1



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: 51.866 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

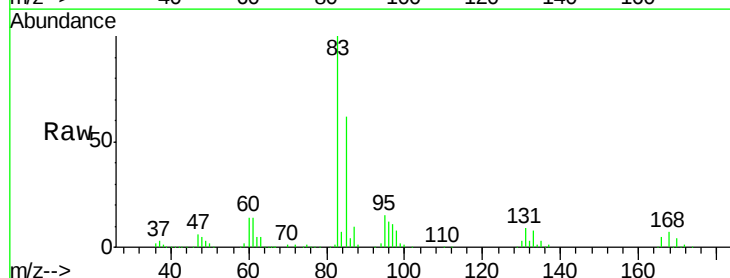
Tgt Ion: 83 Resp: 199582

Ion Ratio Lower Upper

83 100

85 61.8 43.3 80.3

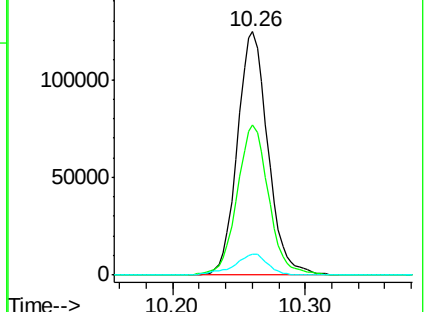
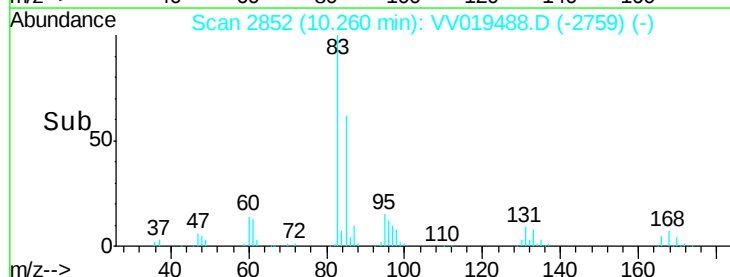
131 8.7 7.0 10.4

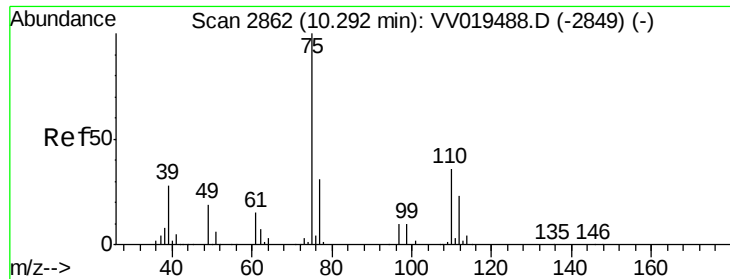


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.308 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

Instrument :

MSVOA_V

ClientSampleId :

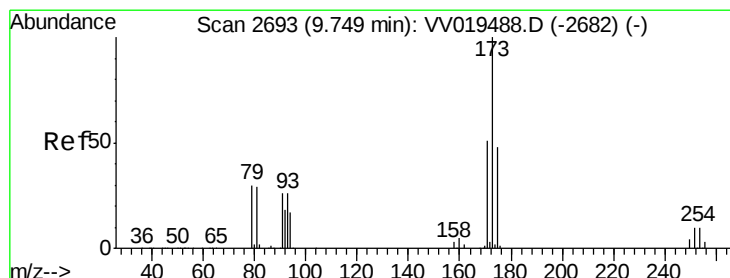
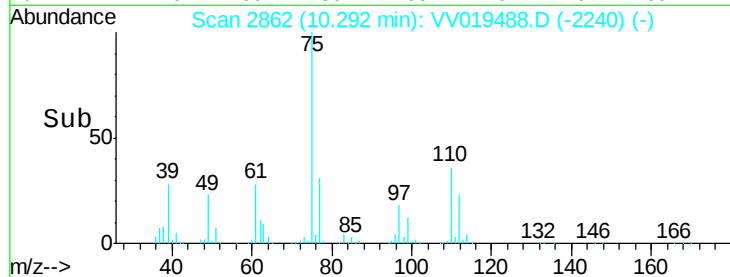
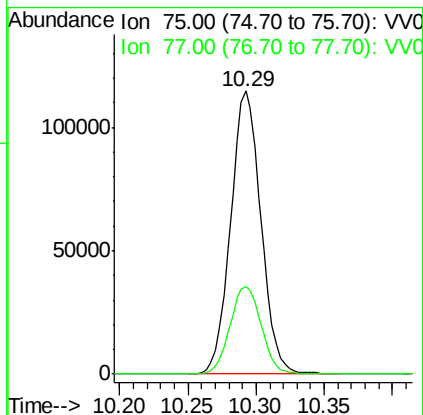
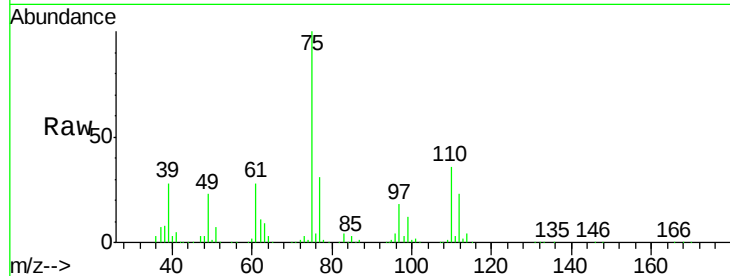
VSTD05061

Tgt Ion: 75 Resp: 176991

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



#61

Bromoform

Concen: 50.683 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

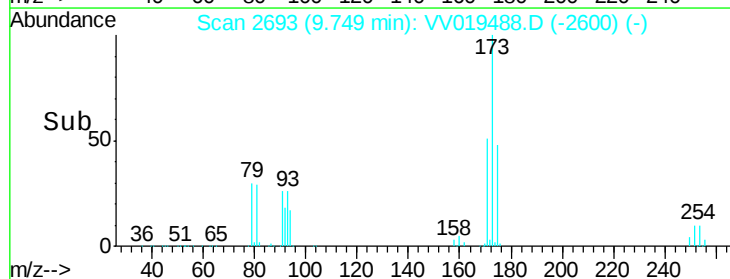
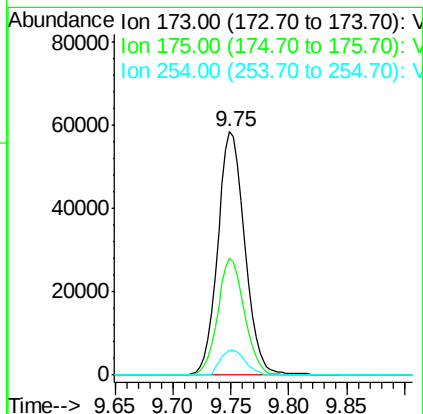
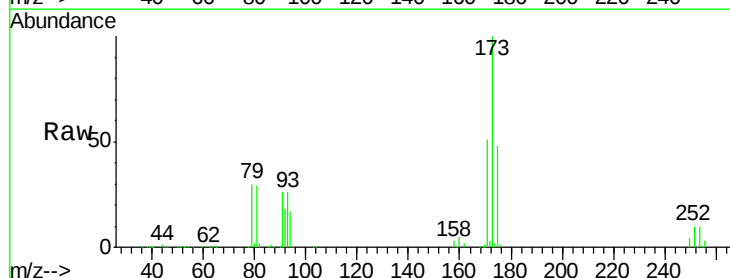
Tgt Ion: 173 Resp: 95211

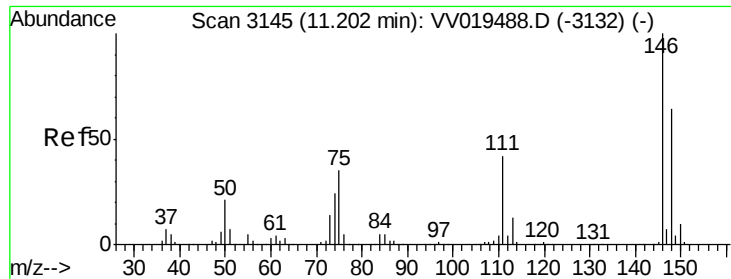
Ion Ratio Lower Upper

173 100

175 47.2 37.8 56.6

254 9.3 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 50.494 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

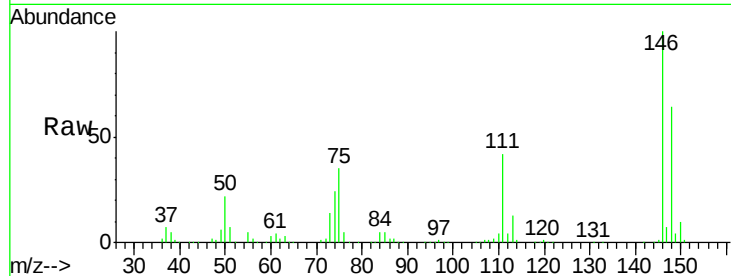
Tgt Ion:146 Resp: 241530

Ion Ratio Lower Upper

146 100

111 42.3 29.6 55.0

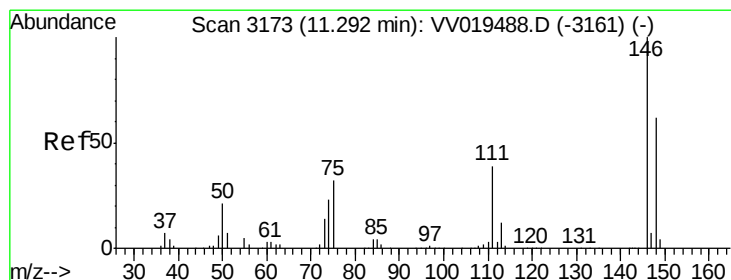
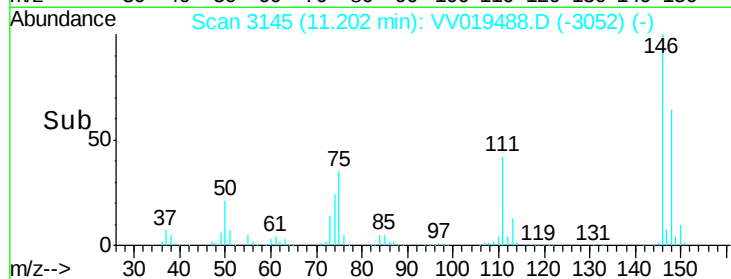
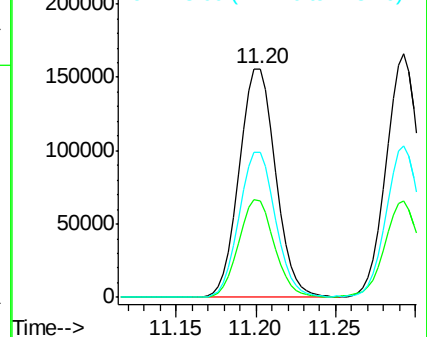
148 63.7 44.6 82.8



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: 49.551 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

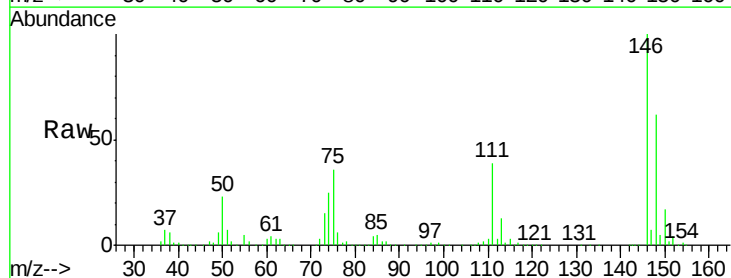
Tgt Ion:146 Resp: 248822

Ion Ratio Lower Upper

146 100

111 39.4 27.6 51.2

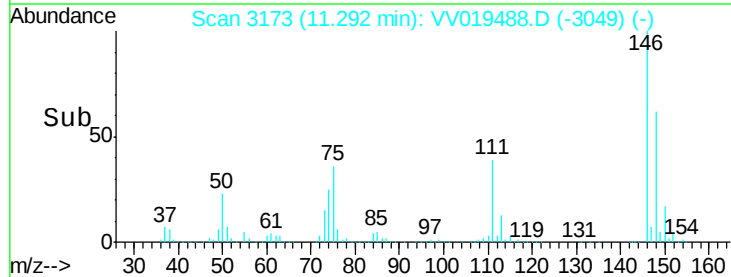
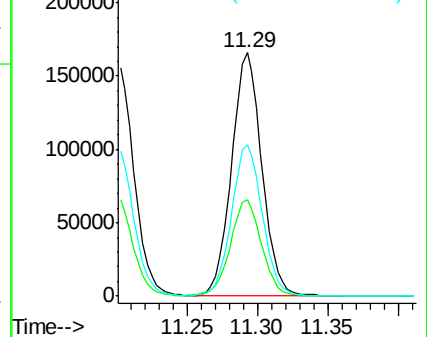
148 62.4 43.7 81.1

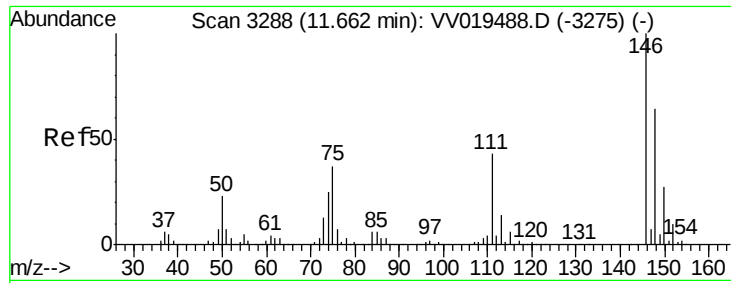


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

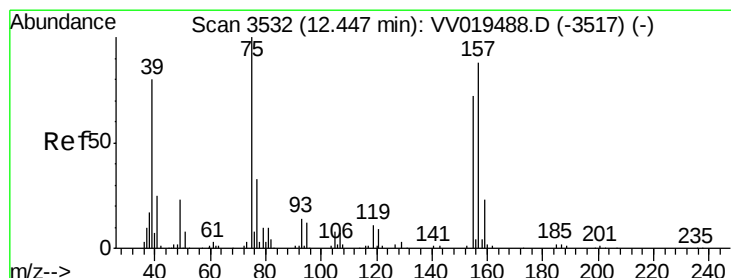
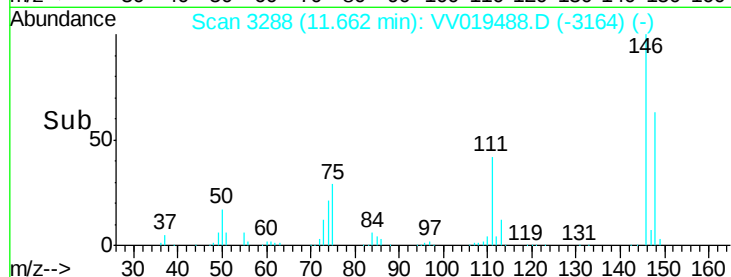
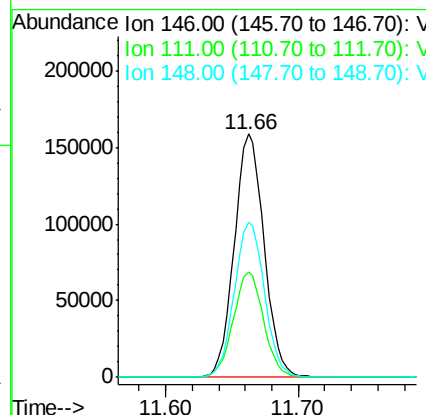
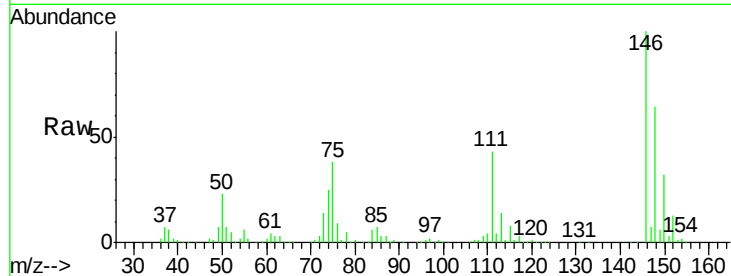




#65
 1,2-Dichlorobenzene
 Concen: 50.458 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. 0.00 min
 Lab File: VV019488.D
 Acq: 07 Dec 2020 12:55

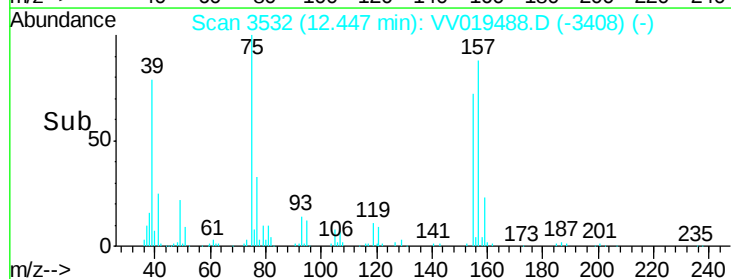
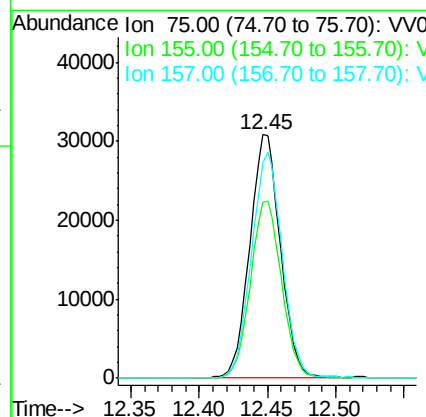
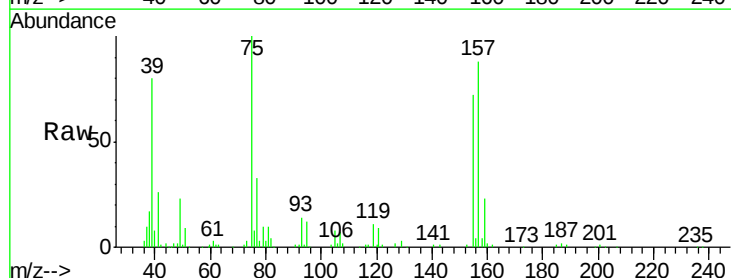
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

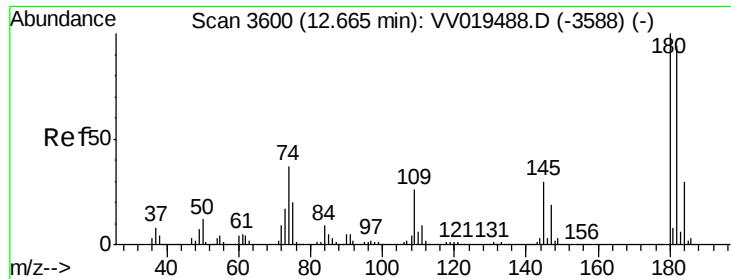
Tgt Ion: 146 Resp: 248323
 Ion Ratio Lower Upper
 146 100
 111 43.4 34.7 52.1
 148 63.7 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 55.210 ug/L
 RT: 12.45 min Scan# 3532
 Delta R.T. 0.00 min
 Lab File: VV019488.D
 Acq: 07 Dec 2020 12:55

Tgt Ion: 75 Resp: 48192
 Ion Ratio Lower Upper
 75 100
 155 72.4 57.9 86.9
 157 88.3 70.6 106.0

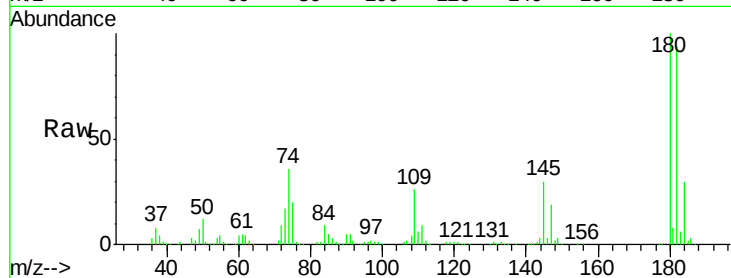




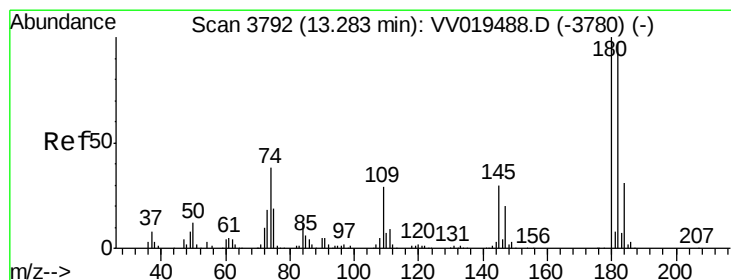
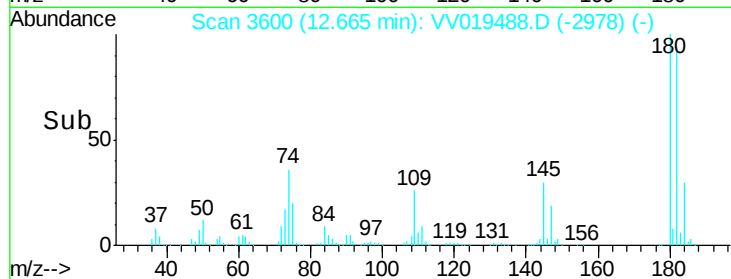
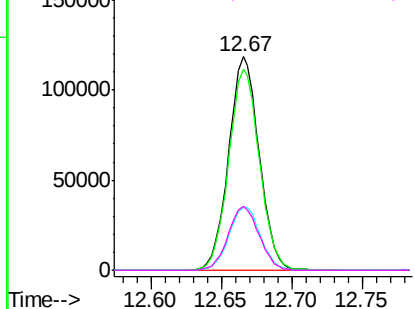
#67
 1,3,5-Trichlorobenzene
 Concen: 51.153 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019488.D
 Acq: 07 Dec 2020 12:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

Tgt Ion:180 Resp: 179415
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.9 113.9
 184 30.4 24.3 36.5
 145 30.3 24.2 36.4

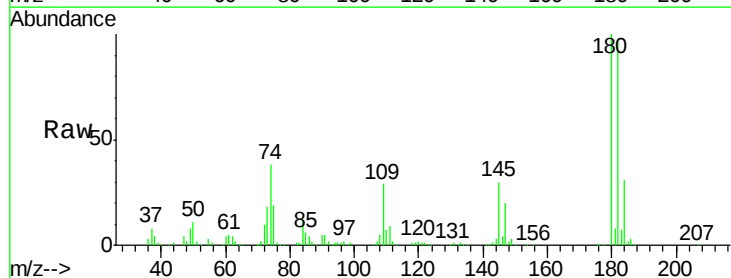


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

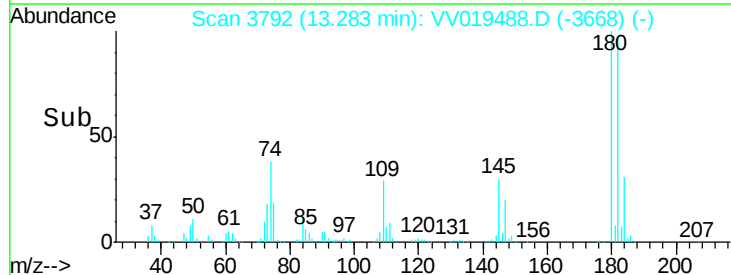
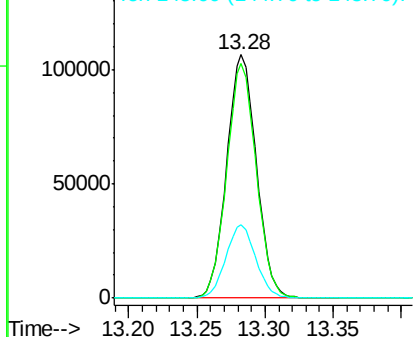


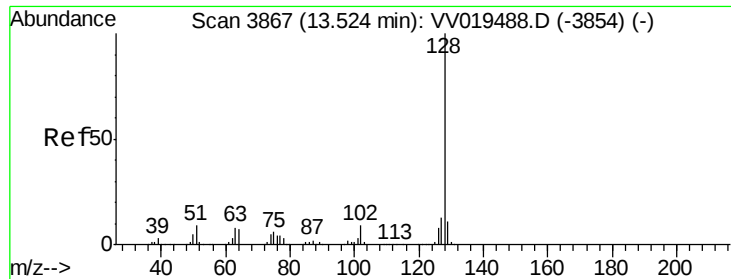
#68
 1,2,4-trichlorobenzene
 Concen: 52.098 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019488.D
 Acq: 07 Dec 2020 12:55

Tgt Ion:180 Resp: 161343
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 145 30.3 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: 54.368 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

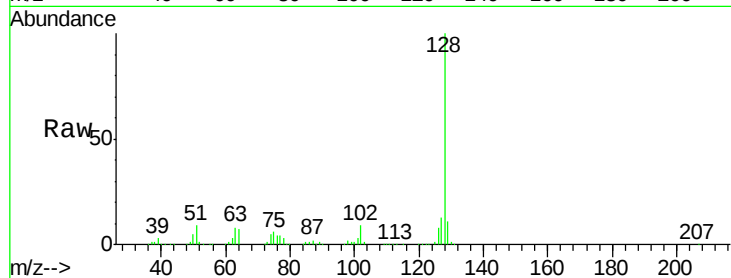
Tgt Ion:128 Resp: 428438

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

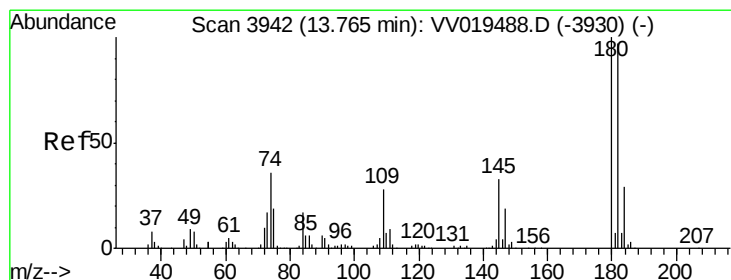
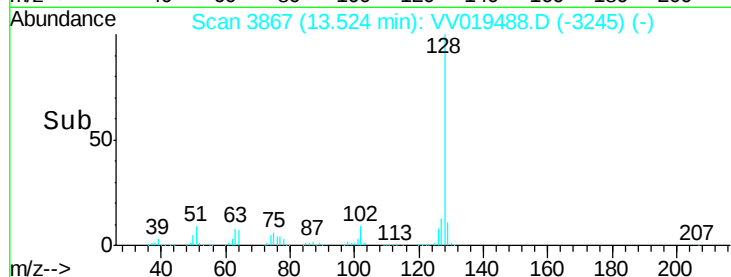
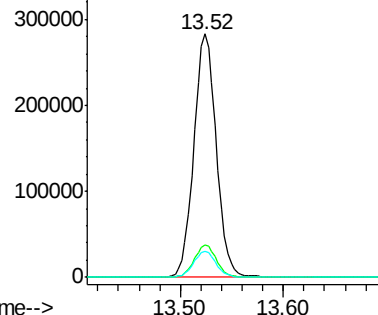
129 10.7 8.6 12.8



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: 52.191 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019488.D

Acq: 07 Dec 2020 12:55

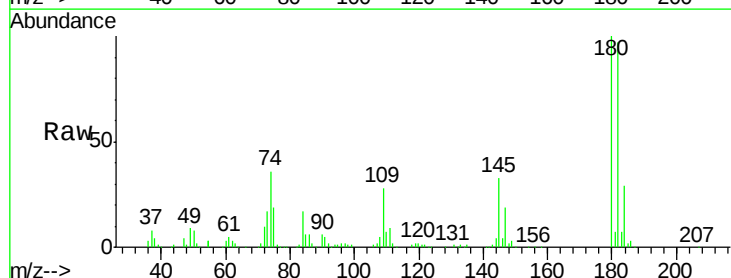
Tgt Ion:180 Resp: 168502

Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

145 32.8 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

