

Data File : VV014478.D
Acq On : 01 Feb 2020 02:32
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Quant Time: Feb 01 04:20:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 01 02:36:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	469257	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	434614	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	211055	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	120926	46.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.80%
7) Chloroethane-d5	1.58	69	84902	52.40	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.80%
11) 1,1-Dichloroethene-d2	2.13	63	182657	52.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.00%
21) 2-Butanone-d5	3.92	46	201250	114.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.77%
24) Chloroform-d	4.40	84	275728	49.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.98%
26) 1,2-Dichloroethane-d4	5.08	65	168230	50.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.26%
32) Benzene-d6	5.10	84	566346	49.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.98%
36) 1,2-Dichloropropane-d6	6.11	67	178452	49.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.58%
41) Toluene-d8	7.36	98	524450	49.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.28%
43) trans-1,3-Dichloropropene-	7.66	79	90239	49.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.08%
47) 2-Hexanone-d5	8.13	63	161655	114.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.12%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	227492	48.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.54%
64) 1,2-Dichlorobenzene-d4	11.67	152	192743	49.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.18%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	189873	48.398	ug/L 100
3) Chloromethane	1.26	50	217046	52.989	ug/L 100
5) Vinyl chloride	1.33	62	161440	49.048	ug/L 99
6) Bromomethane	1.53	94	51677	47.121	ug/L 94
8) Chloroethane	1.60	64	77658	53.732	ug/L 98
9) Trichlorofluoromethane	1.77	101	195743	51.650	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	95446	53.720	ug/L 99
12) 1,1-Dichloroethene	2.14	96	95032	53.237	ug/L 98
13) Acetone	2.19	43	120332	80.423	ug/L 97
14) Carbon disulfide	2.32	76	437603	49.913	ug/L 100
15) Methyl Acetate	2.45	43	163678	56.766	ug/L 98
16) Methylene chloride	2.54	84	170669	49.654	ug/L 98
17) trans-1,2-Dichloroethene	2.79	96	158117	51.067	ug/L 99
18) Methyl tert-butyl Ether	2.80	73	509997	53.550	ug/L 99
19) 1,1-Dichloroethane	3.23	63	286080	50.635	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	176904	51.229	ug/L 99
22) 2-Butanone	4.01	43	229529	106.461	ug/L 97

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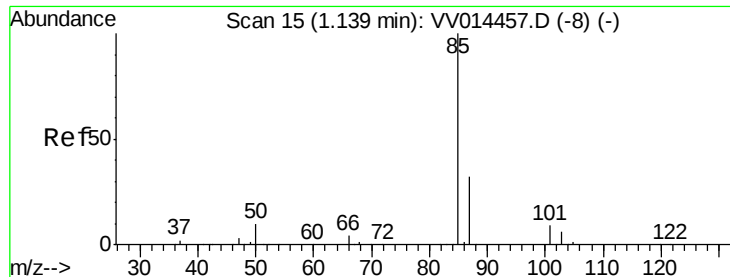
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	81751	50.499	ug/L	99
25) Chloroform	4.42	83	285760	50.214	ug/L	100
27) 1,2-Dichloroethane	5.18	62	216559	53.523	ug/L	99
29) Cyclohexane	4.73	56	275987	51.978	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	249360	53.542	ug/L	100
31) Carbon tetrachloride	4.87	117	213839	52.623	ug/L	99
33) Benzene	5.14	78	650138	50.698	ug/L	100
34) Trichloroethene	5.96	95	167760	51.795	ug/L	97
35) Methylcyclohexane	6.17	83	268584	49.906	ug/L	99
37) 1,2-Dichloropropane	6.22	63	162947	50.846	ug/L	100
38) Bromodichloromethane	6.55	83	217061	50.587	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	262571	49.827	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	446290	115.190	ug/L	99
42) Toluene	7.43	91	684503	50.990	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	236347	50.503	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	155308	51.292	ug/L	99
46) Tetrachloroethene	8.02	164	119154	50.302	ug/L	99
48) 2-Hexanone	8.18	43	334365	110.327	ug/L	96
49) Dibromochloromethane	8.29	129	168360	50.538	ug/L	98
50) 1,2-Dibromoethane	8.39	107	166339	51.596	ug/L	99
51) Chlorobenzene	8.92	112	430660	50.148	ug/L	99
52) Ethylbenzene	9.05	91	762908	50.635	ug/L	99
53) m,p-Xylene	9.18	106	284179	50.511	ug/L	98
54) o-xylene	9.58	106	281234	50.448	ug/L	99
55) Styrene	9.60	104	488366	52.199	ug/L	98
56) Isopropylbenzene	9.97	105	732803	51.410	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	243901	50.422	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	195598	51.647	ug/L	99
61) Bromoform	9.77	173	115566	52.406	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	330855	50.969	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	336207	50.311	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	322579	50.276	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	54079	53.021	ug/L	97
67) 1,3,5-Trichlorobenzene	12.68	180	222912	50.974	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	210508	52.991	ug/L	99
69) Naphthalene	13.54	128	787009	62.558	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	206313	53.897	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 48.398 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

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MSVOA_V

ClientSampleId :

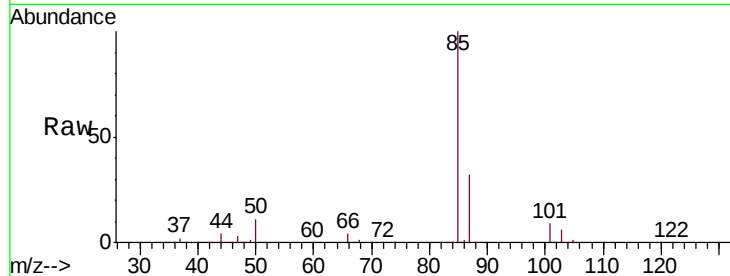
VSTD05087

Tgt Ion: 85 Resp: 189873

Ion Ratio Lower Upper

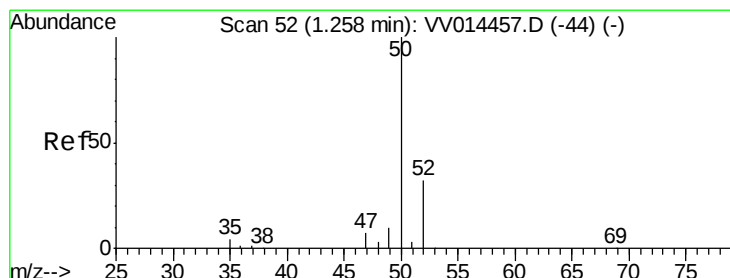
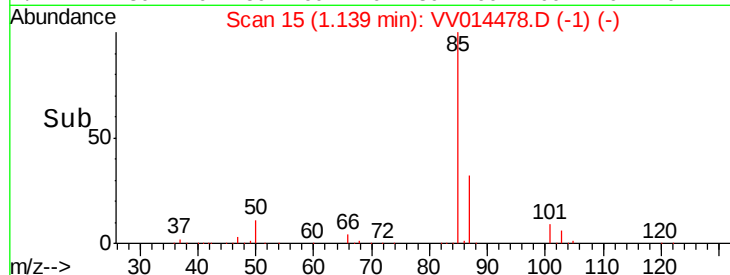
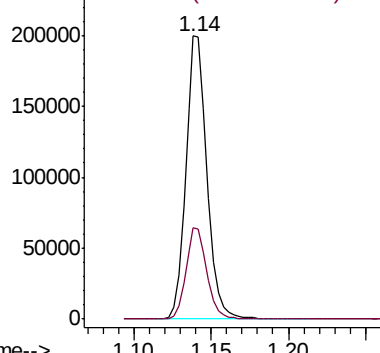
85 100

87 32.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 52.989 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014478.D

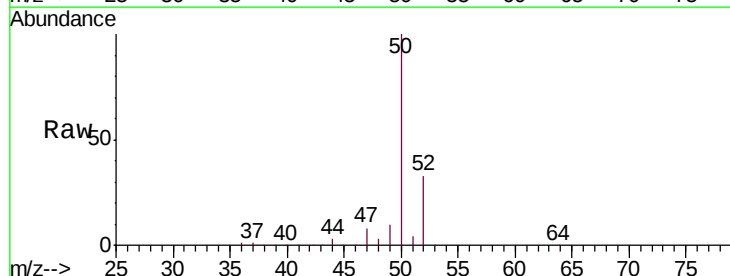
Acq: 01 Feb 2020 02:32

Tgt Ion: 50 Resp: 217046

Ion Ratio Lower Upper

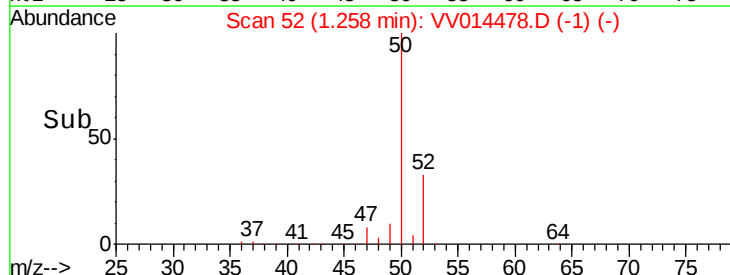
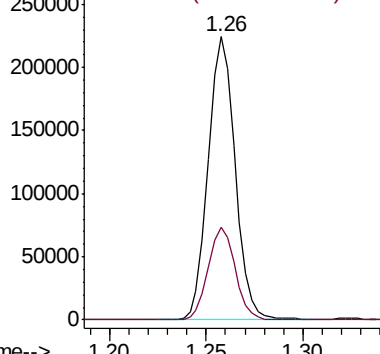
50 100

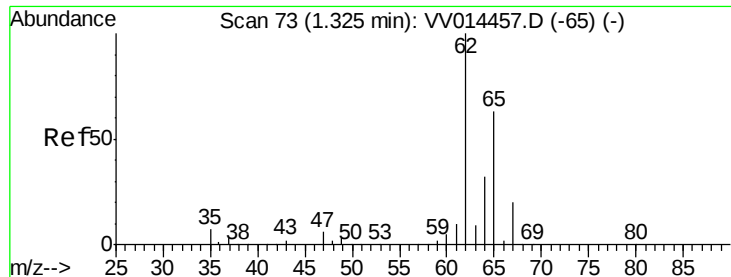
52 32.6 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 49.048 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

Instrument :

MSVOA_V

ClientSampleId :

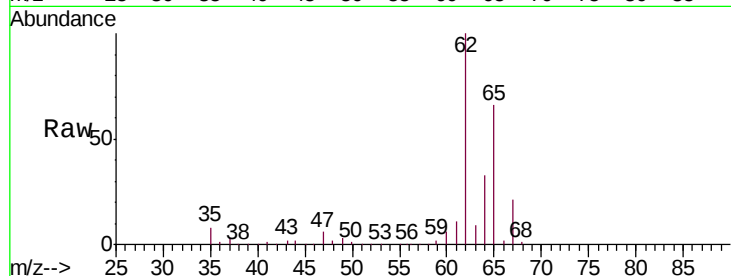
VSTD05087

Tgt Ion: 62 Resp: 161440

Ion Ratio Lower Upper

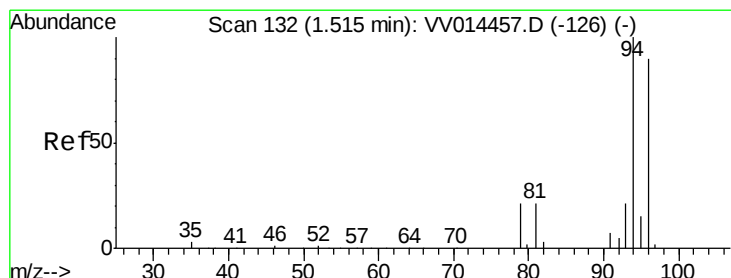
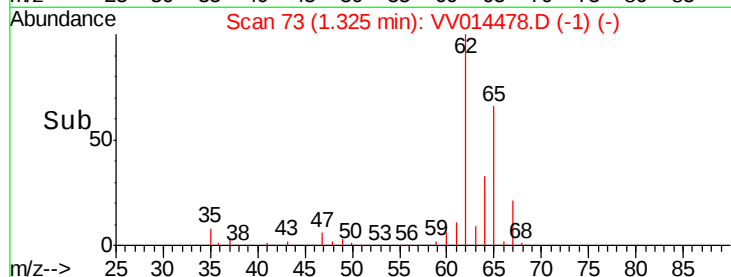
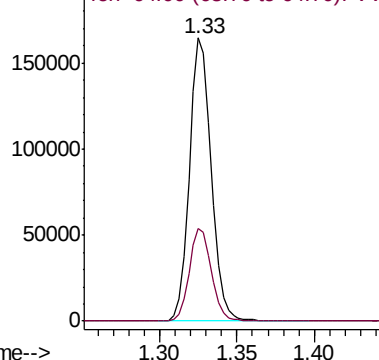
62 100

64 33.0 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 47.121 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.02 min

Lab File: VV014478.D

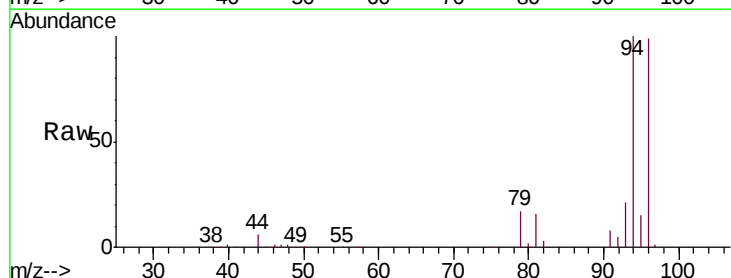
Acq: 01 Feb 2020 02:32

Tgt Ion: 94 Resp: 51677

Ion Ratio Lower Upper

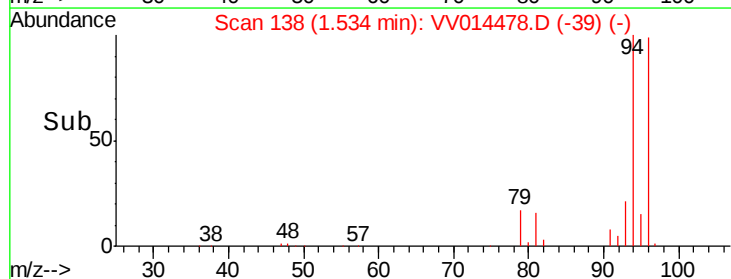
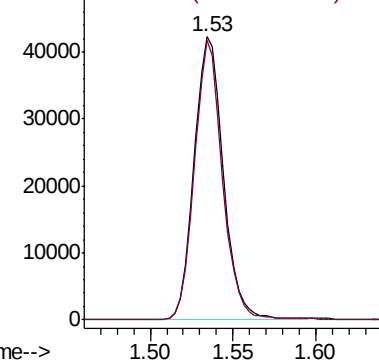
94 100

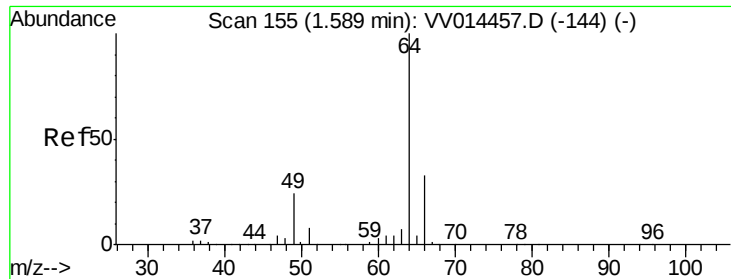
96 98.6 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 53.732 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.01 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

Instrument :

MSVOA_V

ClientSampleId :

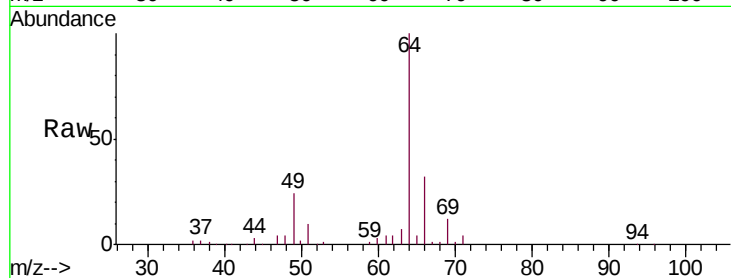
VSTD05087

Tgt Ion: 64 Resp: 77658

Ion Ratio Lower Upper

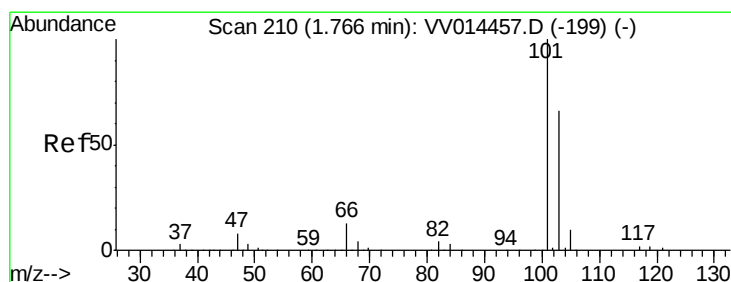
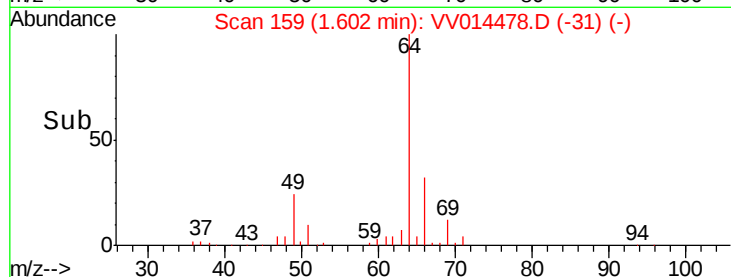
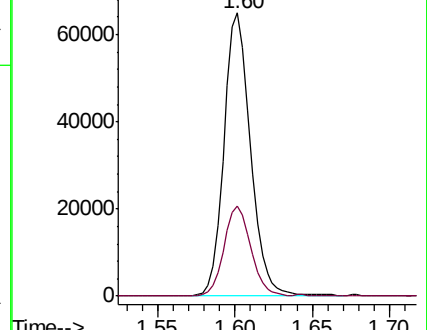
64 100

66 31.8 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VV014457.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV014457.D (-144) (-)



#9

Trichlorofluoromethane

Concen: 51.650 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.01 min

Lab File: VV014478.D

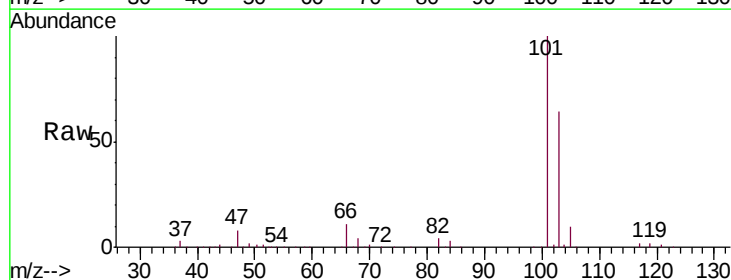
Acq: 01 Feb 2020 02:32

Tgt Ion: 101 Resp: 195743

Ion Ratio Lower Upper

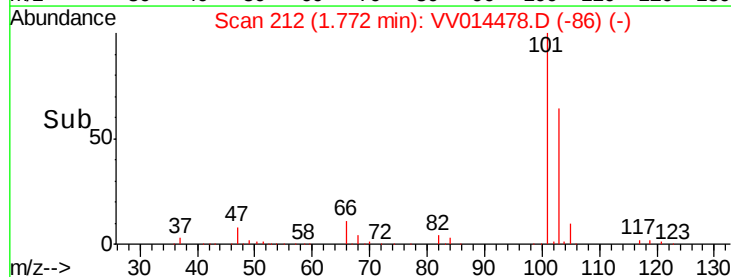
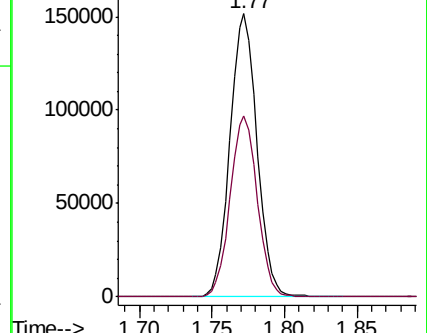
101 100

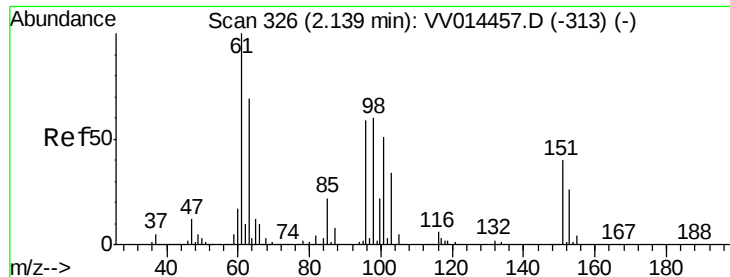
103 64.1 50.6 75.8



Abundance Ion 101.00 (100.70 to 101.70): VV014457.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV014457.D (-199) (-)





#10

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

Concen: 53.720 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

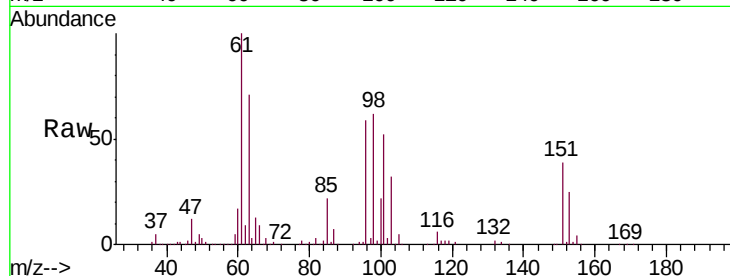
Tgt Ion:101 Resp: 95446

Ion Ratio Lower Upper

101 100

85 42.6 34.6 51.8

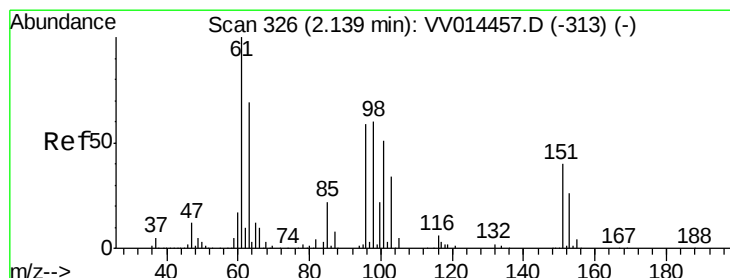
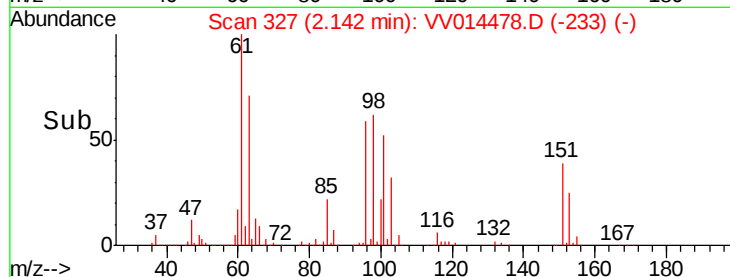
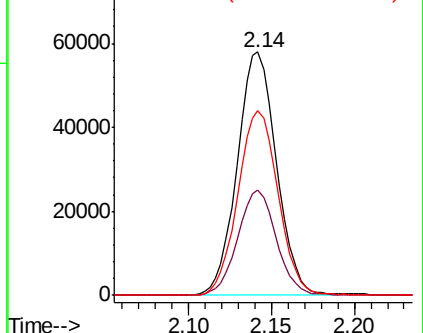
151 77.8 61.2 91.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 53.237 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

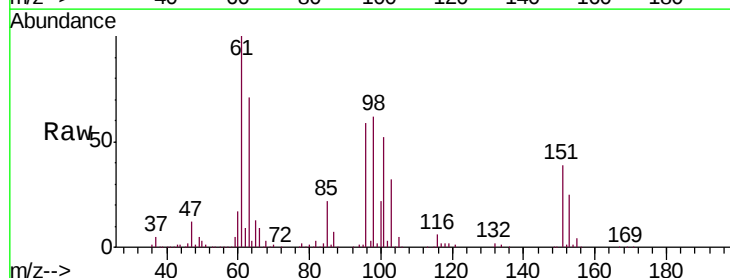
Tgt Ion: 96 Resp: 95032

Ion Ratio Lower Upper

96 100

61 169.6 120.5 223.7

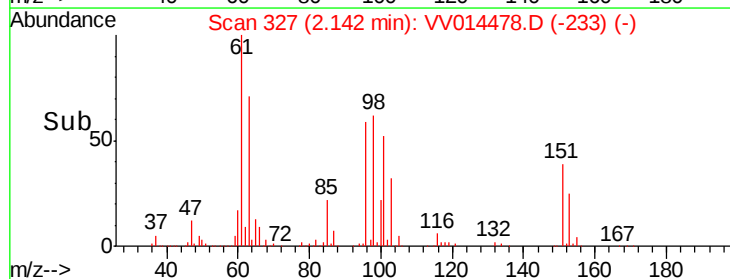
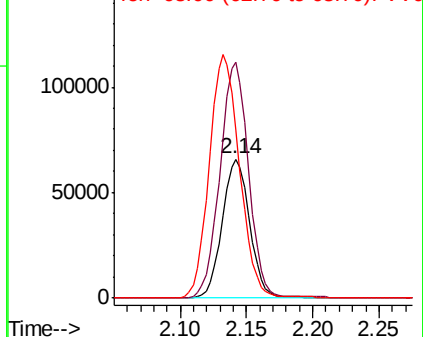
63 121.2 87.1 161.7

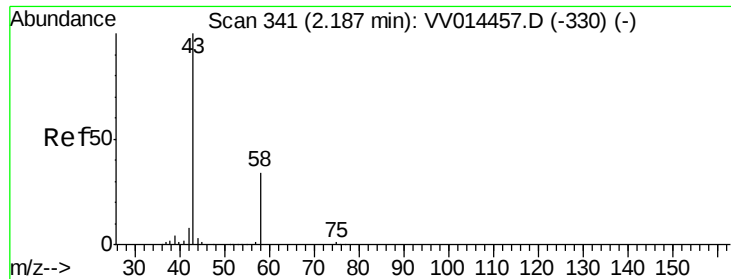


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 80.423 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

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Acq: 01 Feb 2020 02:32

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ClientSampleId :

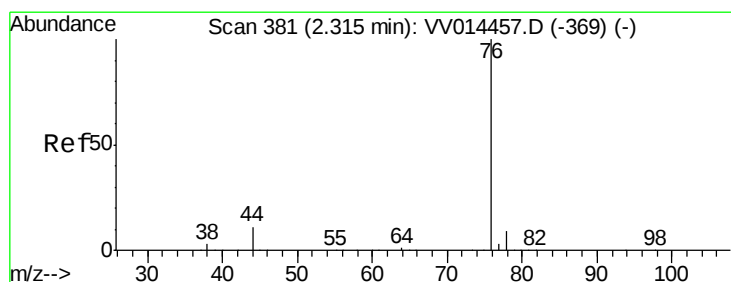
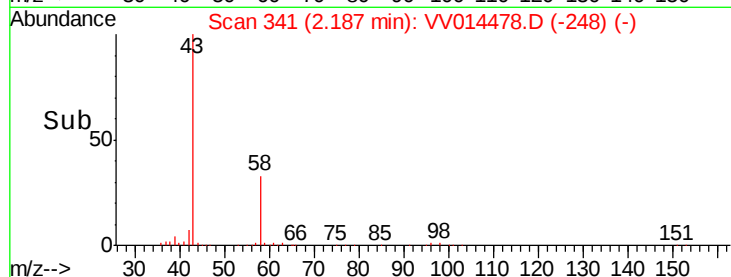
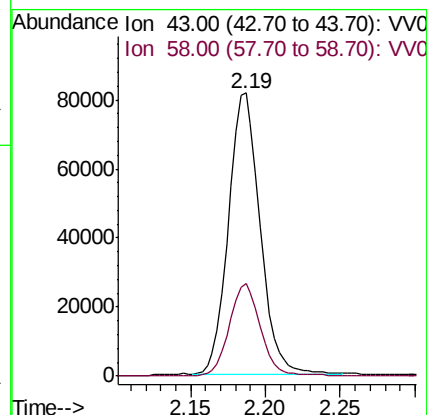
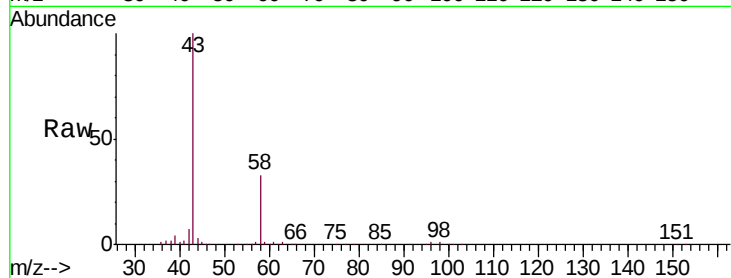
VSTD05087

Tgt Ion: 43 Resp: 120332

Ion Ratio Lower Upper

43 100

58 32.3 0.0 61.2



#14

Carbon disulfide

Concen: 49.913 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014478.D

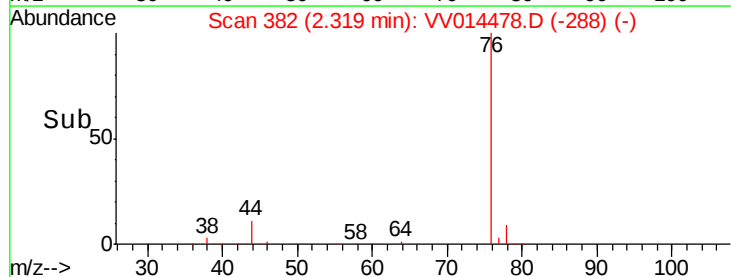
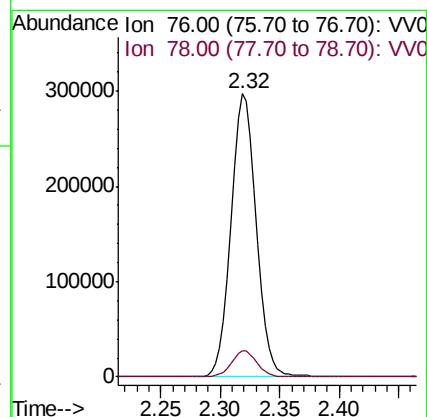
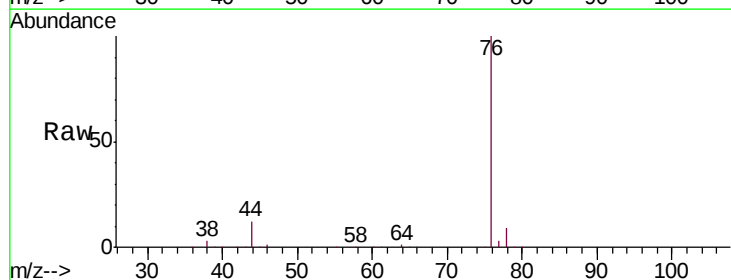
Acq: 01 Feb 2020 02:32

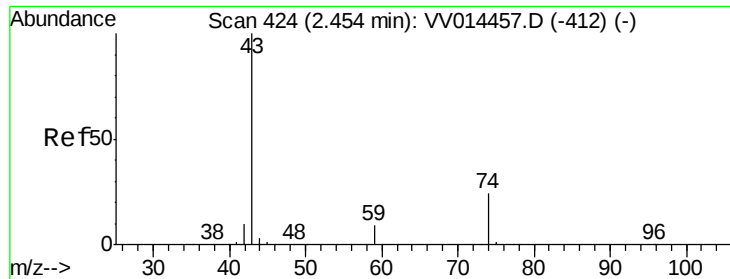
Tgt Ion: 76 Resp: 437603

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

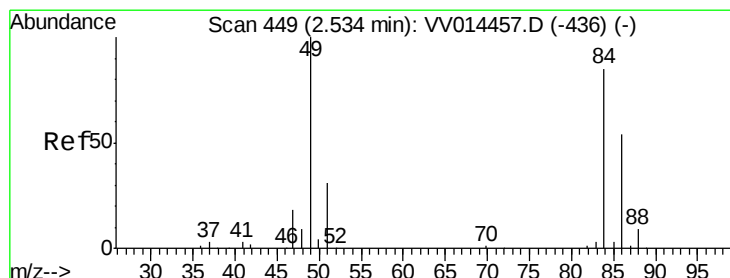
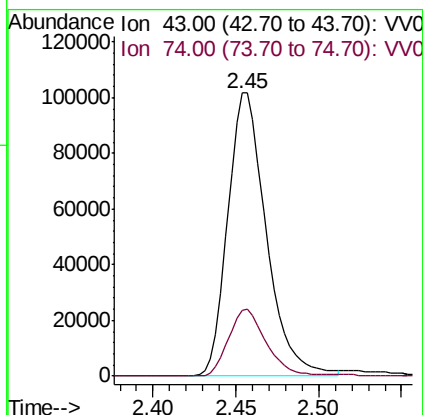
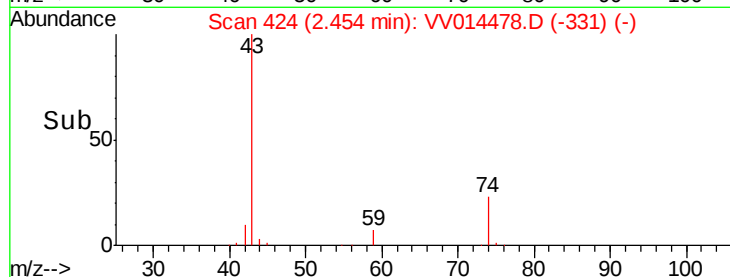
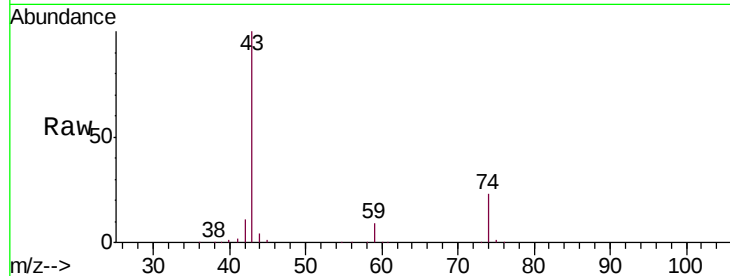




#15
Methyl Acetate
Concen: 56.766 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV014478.D
Acq: 01 Feb 2020 02:32

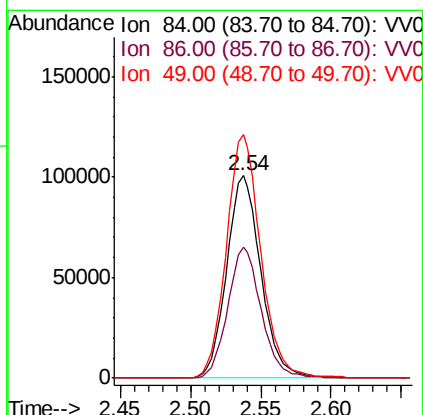
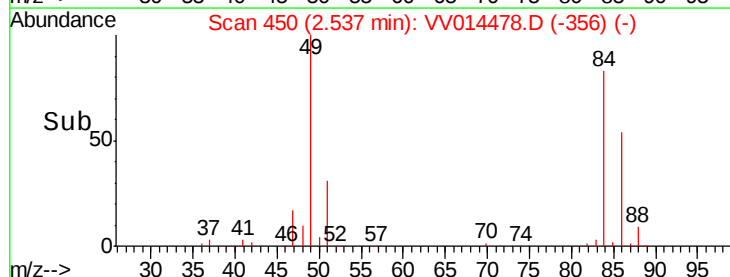
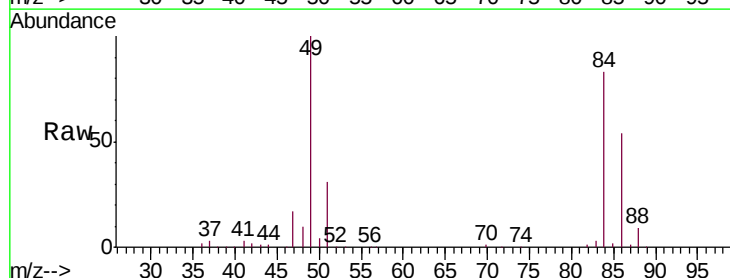
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

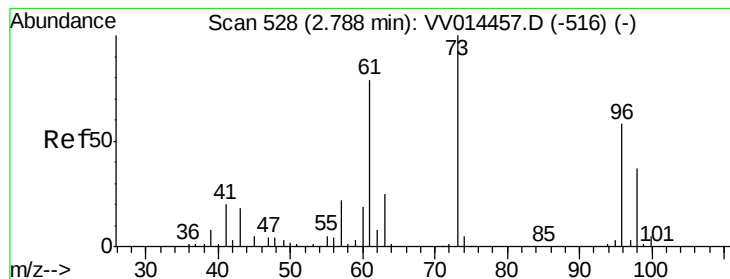
Tgt Ion: 43 Resp: 163678
Ion Ratio Lower Upper
43 100
74 23.5 19.6 29.4



#16
Methylene chloride
Concen: 49.654 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014478.D
Acq: 01 Feb 2020 02:32

Tgt Ion: 84 Resp: 170669
Ion Ratio Lower Upper
84 100
86 64.5 45.6 84.8
49 120.3 82.7 153.7





#17

trans-1,2-Dichloroethene

Concen: 51.067 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.01 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

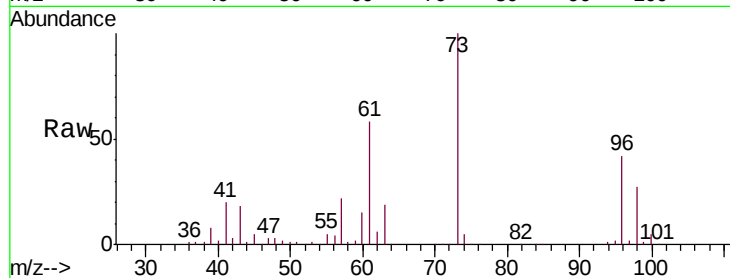
Tgt Ion: 96 Resp: 158117

Ion Ratio Lower Upper

96 100

61 137.2 96.7 179.7

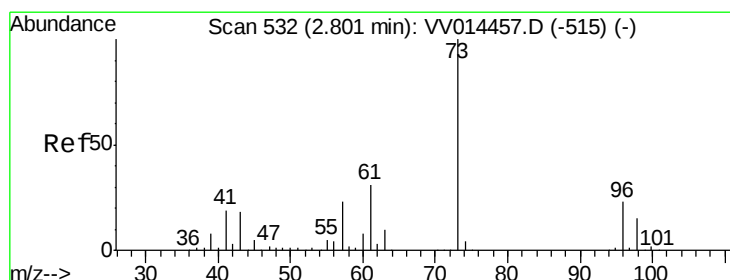
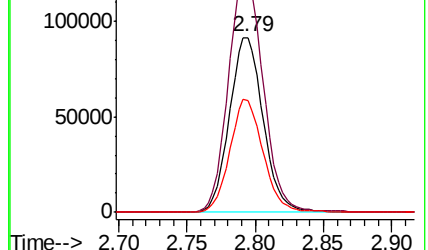
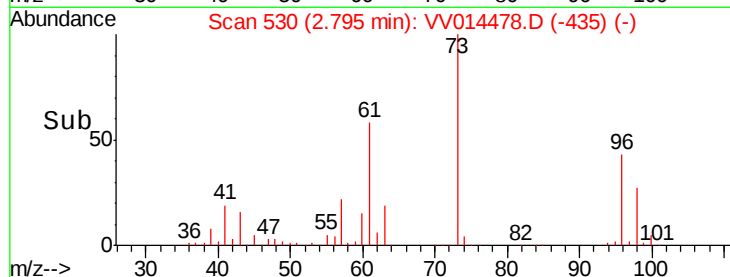
98 63.9 44.1 81.9



Abundance Ion 96.00 (95.70 to 96.70): VV014478.D (-435) (-)

Ion 61.00 (60.70 to 61.70): VV014478.D (-435) (-)

Ion 98.00 (97.70 to 98.70): VV014478.D (-435) (-)



#18

Methyl tert-butyl Ether

Concen: 53.550 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

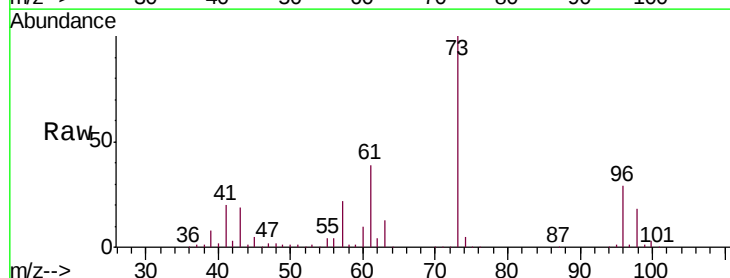
Tgt Ion: 73 Resp: 509997

Ion Ratio Lower Upper

73 100

43 18.3 14.1 21.1

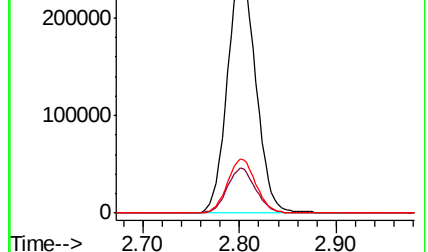
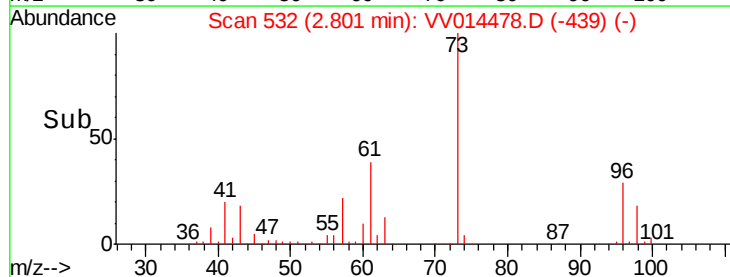
57 22.2 17.9 26.9

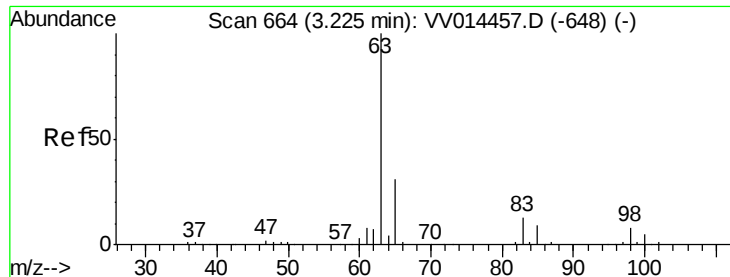


Abundance Ion 73.00 (72.70 to 73.70): VV014478.D (-439) (-)

Ion 43.00 (42.70 to 43.70): VV014478.D (-439) (-)

Ion 57.00 (56.70 to 57.70): VV014478.D (-439) (-)

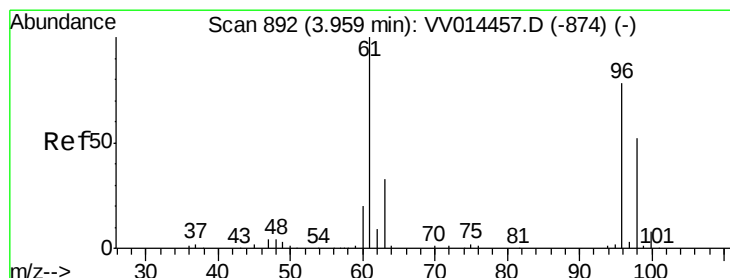
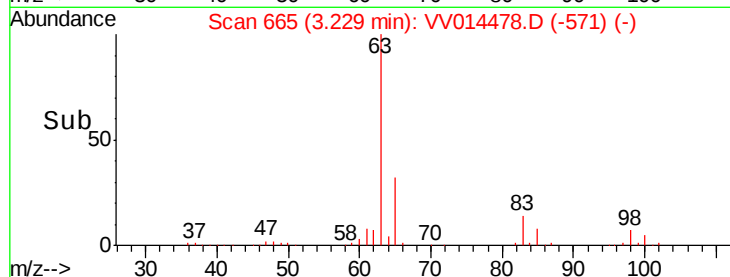
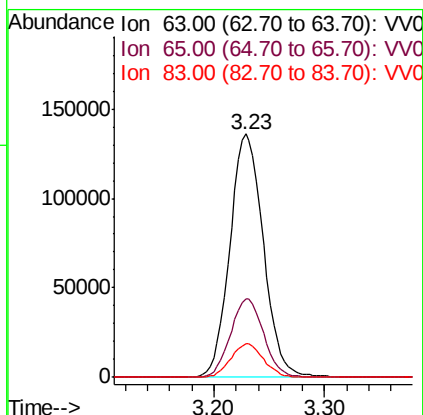
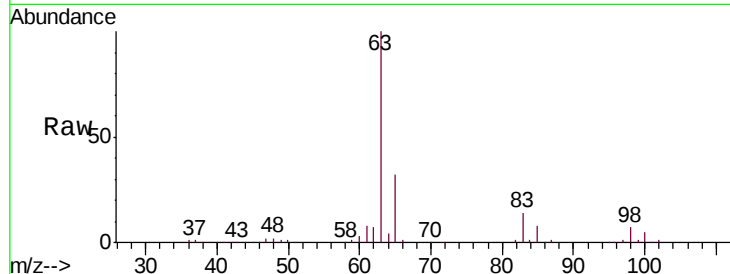




#19
 1,1-Dichloroethane
 Concen: 50.635 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014478.D
 Acq: 01 Feb 2020 02:32

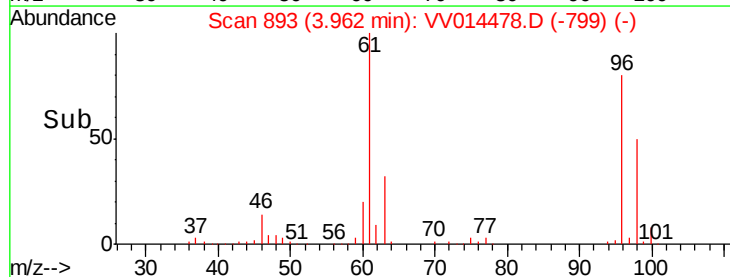
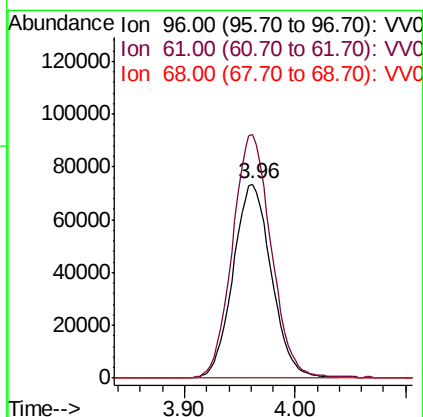
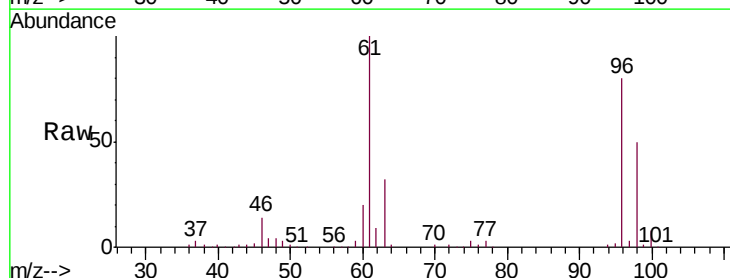
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

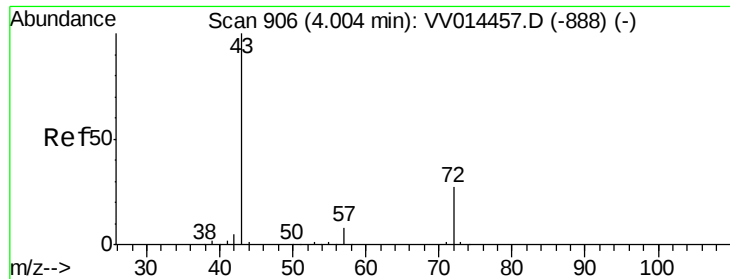
Tgt Ion: 63 Resp: 286080
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.1 41.1
 83 13.6 9.4 17.6



#20
 cis-1,2-Dichloroethene
 Concen: 51.229 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV014478.D
 Acq: 01 Feb 2020 02:32

Tgt Ion: 96 Resp: 176904
 Ion Ratio Lower Upper
 96 100
 61 125.5 88.9 165.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 106.461 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.00 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

Instrument :

MSVOA_V

ClientSampleId :

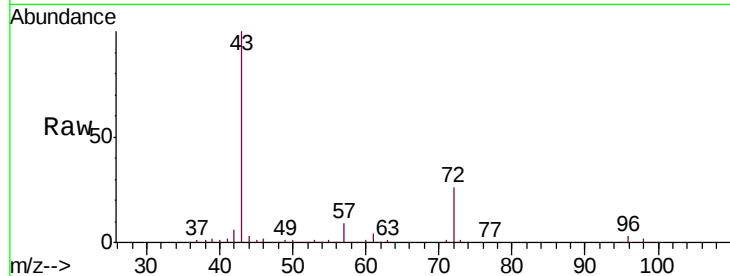
VSTD05087

Tgt Ion: 43 Resp: 229529

Ion Ratio Lower Upper

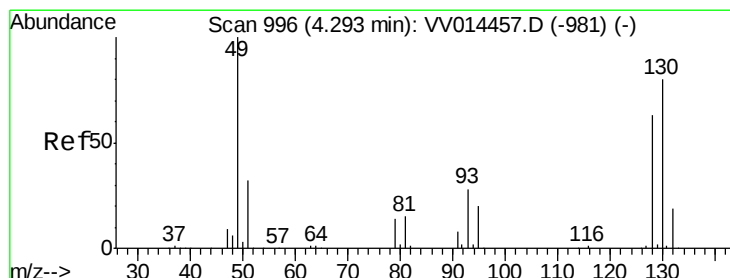
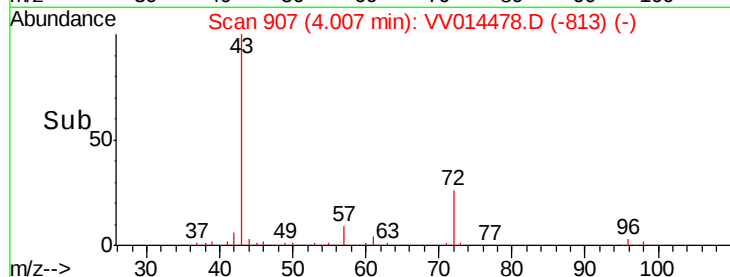
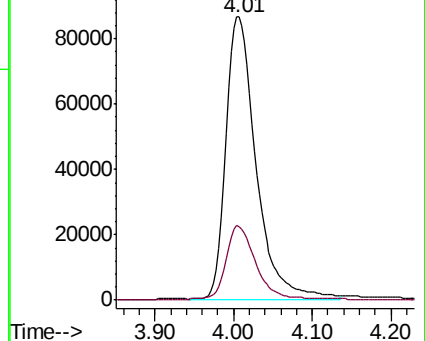
43 100

72 26.0 13.8 41.3



Abundance Ion 43.00 (42.70 to 43.70): VV014478.D (-907) (-)

Ion 72.00 (71.70 to 72.70): VV014478.D (-907) (-)



#23

Bromochloromethane

Concen: 50.499 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

Tgt Ion: 128 Resp: 81751

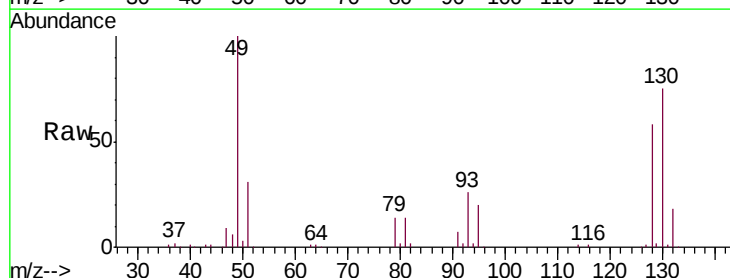
Ion Ratio Lower Upper

128 100

49 172.0 118.8 220.6

130 129.4 90.7 168.5

51 53.3 42.8 64.2

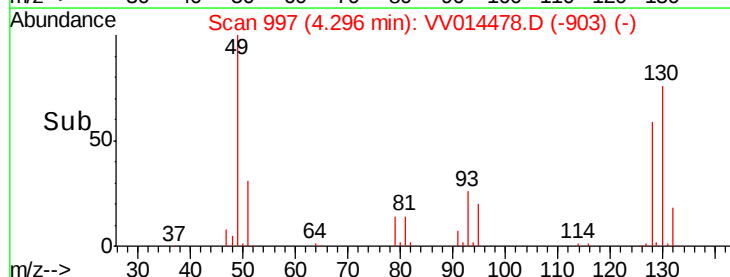
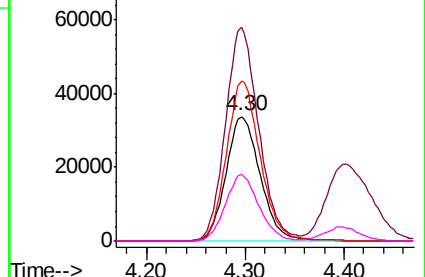


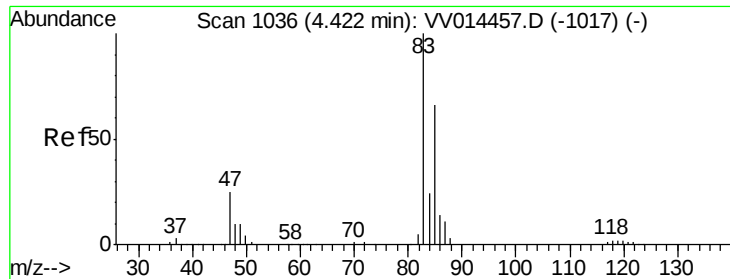
Abundance Ion 128.00 (127.70 to 128.70): VV014478.D (-997) (-)

Ion 49.00 (48.70 to 49.70): VV014478.D (-997) (-)

Ion 130.00 (129.70 to 130.70): VV014478.D (-997) (-)

Ion 51.00 (50.70 to 51.70): VV014478.D (-997) (-)

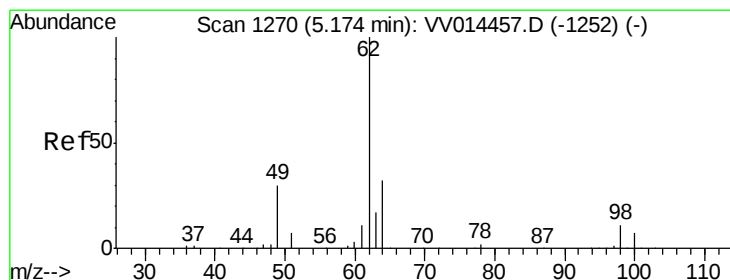
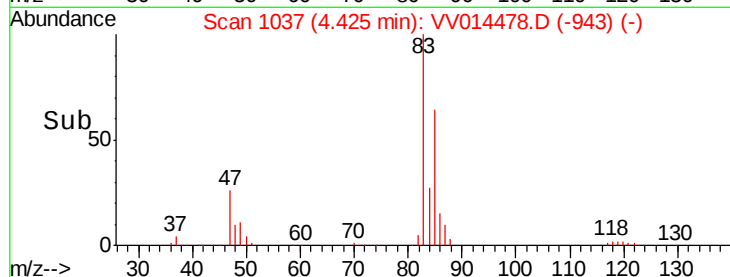
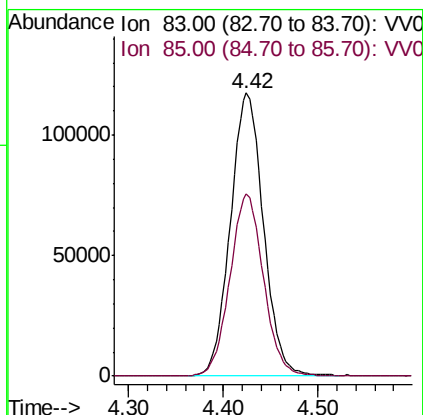
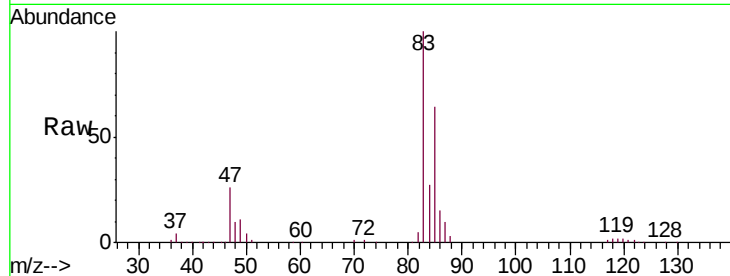




#25
Chloroform
Concen: 50.214 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014478.D
Acq: 01 Feb 2020 02:32

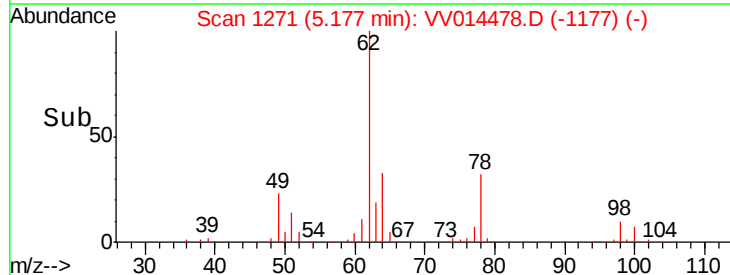
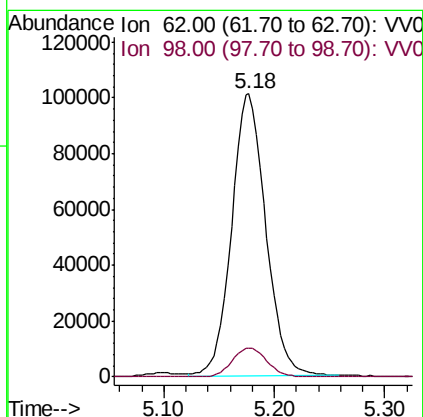
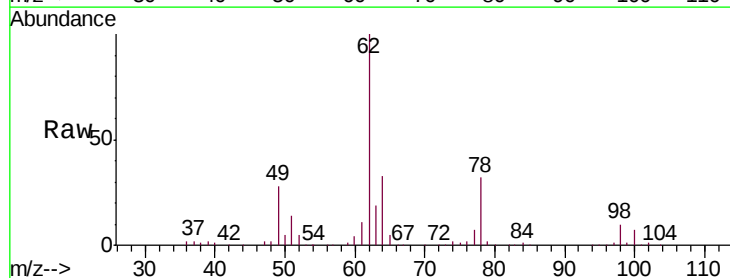
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

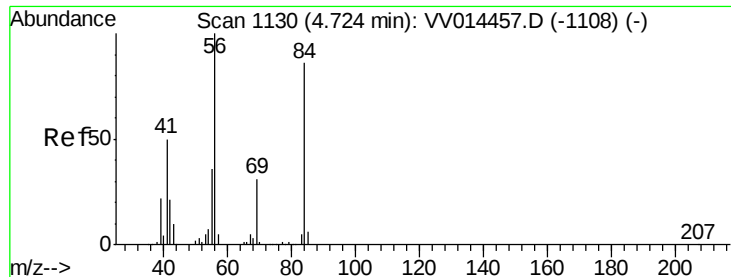
Tgt Ion: 83 Resp: 285760
Ion Ratio Lower Upper
83 100
85 64.2 45.1 83.7



#27
1,2-Dichloroethane
Concen: 53.523 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014478.D
Acq: 01 Feb 2020 02:32

Tgt Ion: 62 Resp: 216559
Ion Ratio Lower Upper
62 100
98 10.3 8.0 12.0

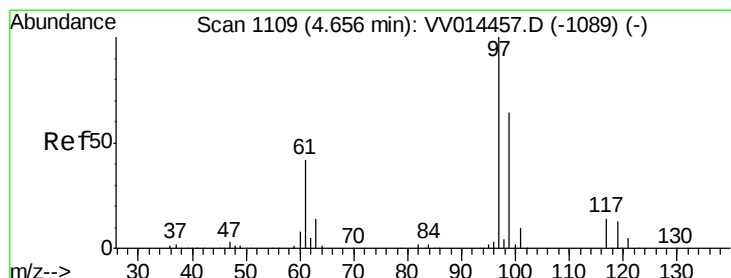
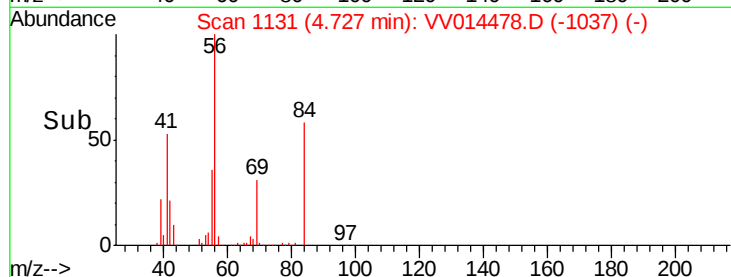
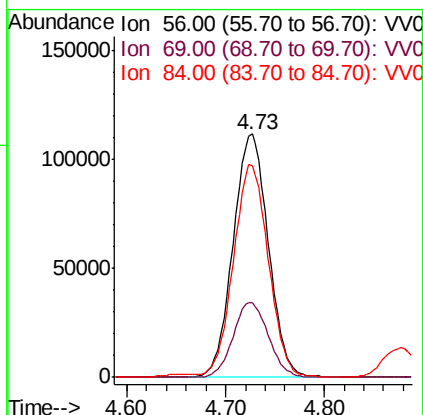
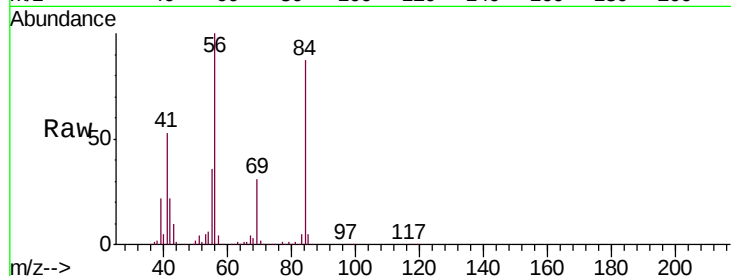




#29
Cyclohexane
Concen: 51.978 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV014478.D
Acq: 01 Feb 2020 02:32

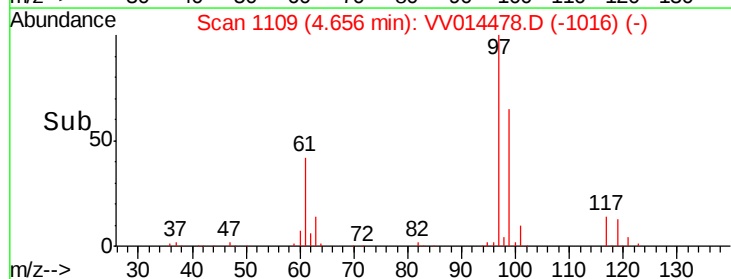
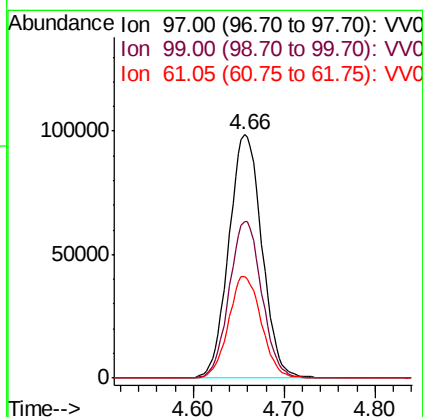
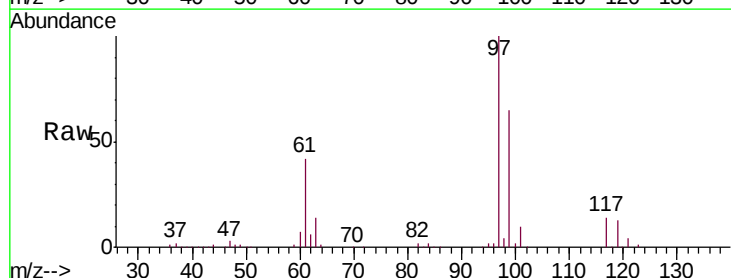
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

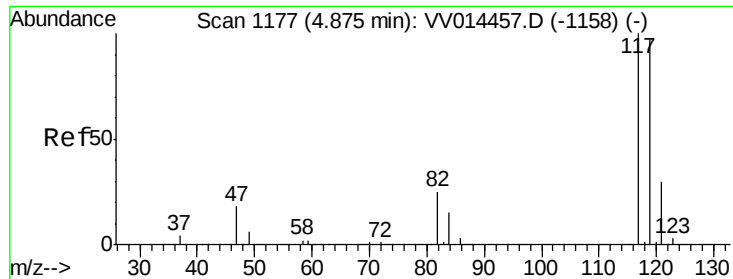
Tgt Ion: 56 Resp: 275987
Ion Ratio Lower Upper
56 100
69 30.8 24.9 37.3
84 86.8 68.6 103.0



#30
1,1,1-Trichloroethane
Concen: 53.542 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV014478.D
Acq: 01 Feb 2020 02:32

Tgt Ion: 97 Resp: 249360
Ion Ratio Lower Upper
97 100
99 63.3 50.6 76.0
61 41.1 33.0 49.4





#31

Carbon tetrachloride

Concen: 52.623 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

Instrument :

MSVOA_V

ClientSampleId :

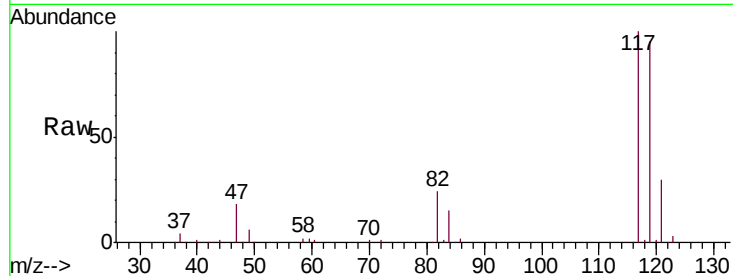
VSTD05087

Tgt Ion:117 Resp: 213839

Ion Ratio Lower Upper

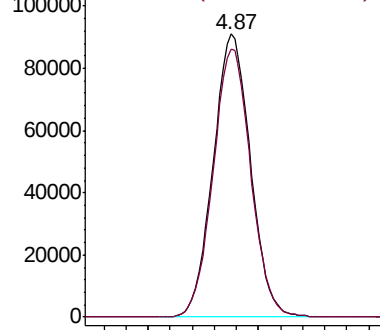
117 100

119 95.9 77.8 116.8

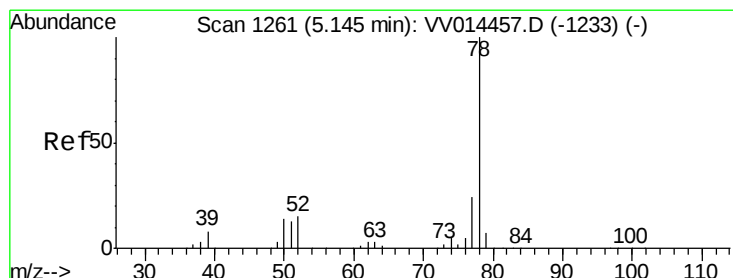
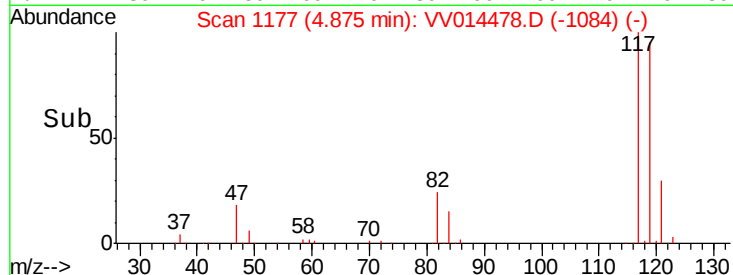


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#33

Benzene

Concen: 50.698 ug/L

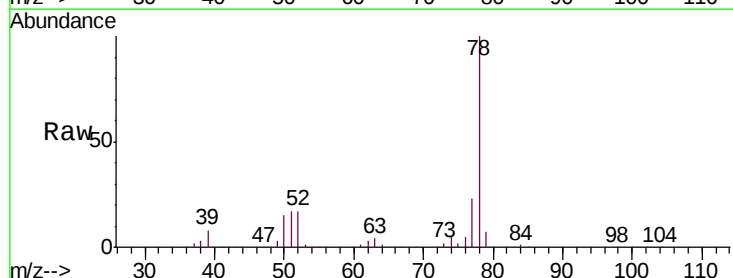
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

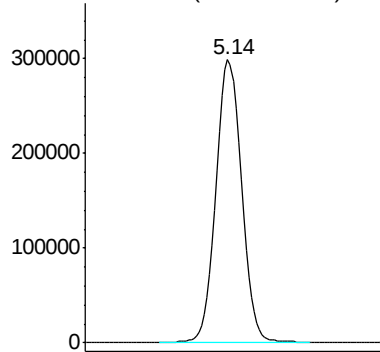
Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

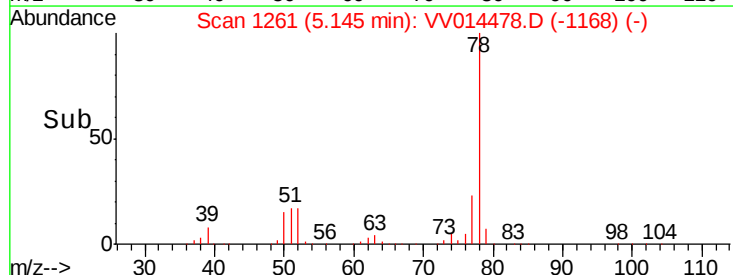
Tgt Ion: 78 Resp: 650138

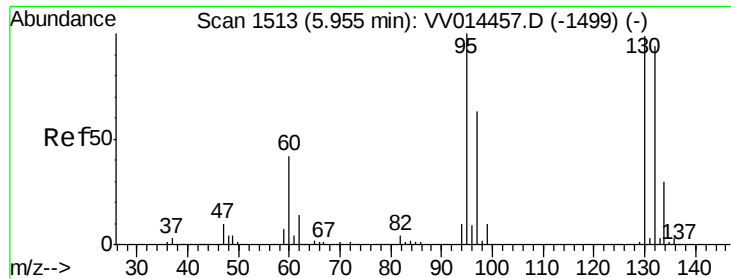


Abundance Ion 78.00 (77.70 to 78.70): VV0



Time-->





#34

Trichloroethene

Concen: 51.795 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

Instrument :

MSVOA_V

ClientSampled :

VSTD05087

Tgt Ion: 95 Resp: 167760

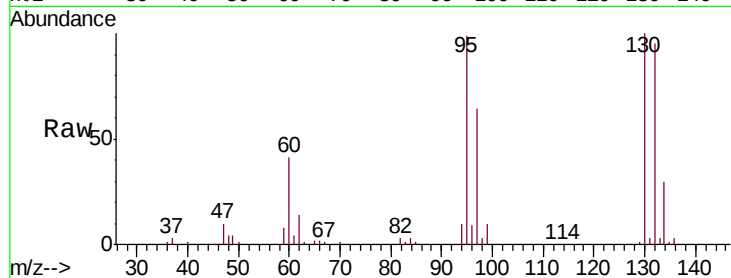
Ion Ratio Lower Upper

95 100

97 64.8 44.7 83.1

132 95.3 65.4 121.4

130 100.7 67.7 125.7

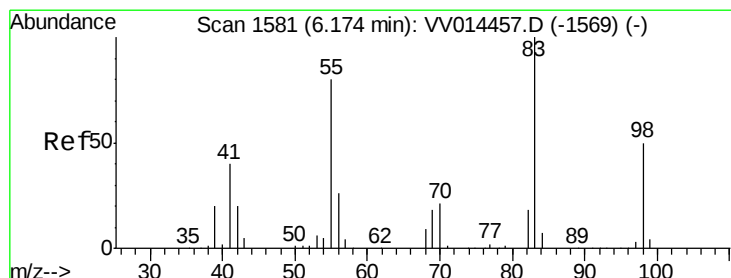
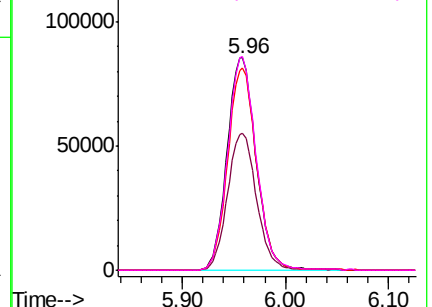
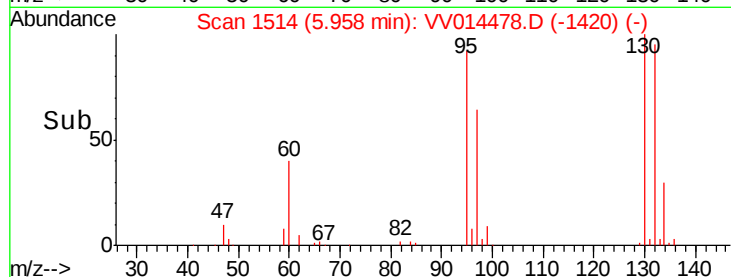


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 49.906 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

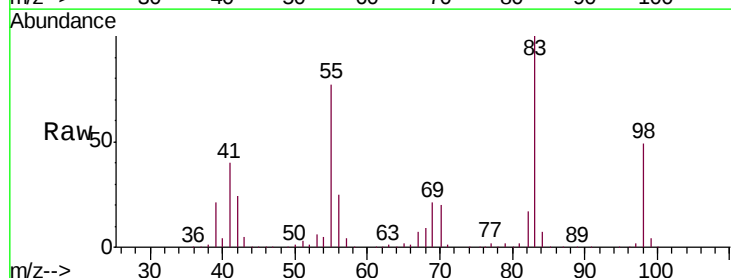
Tgt Ion: 83 Resp: 268584

Ion Ratio Lower Upper

83 100

55 77.2 60.4 90.6

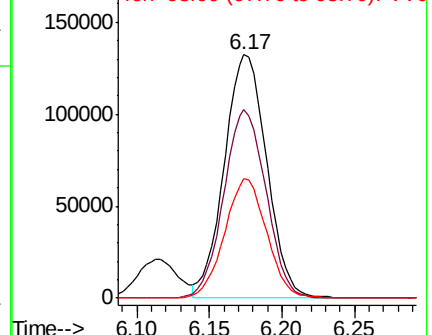
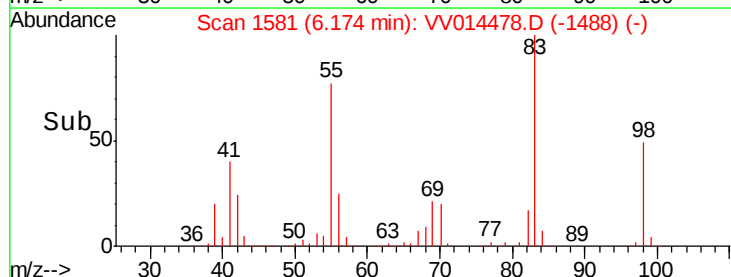
98 48.9 39.2 58.8

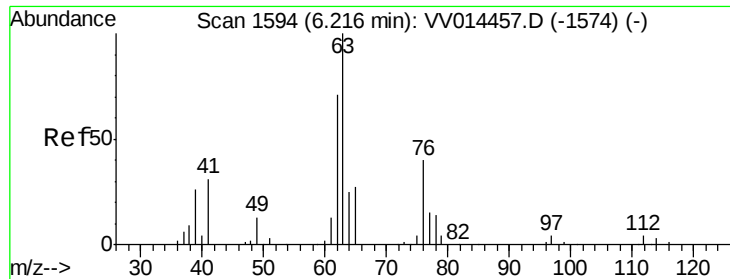


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

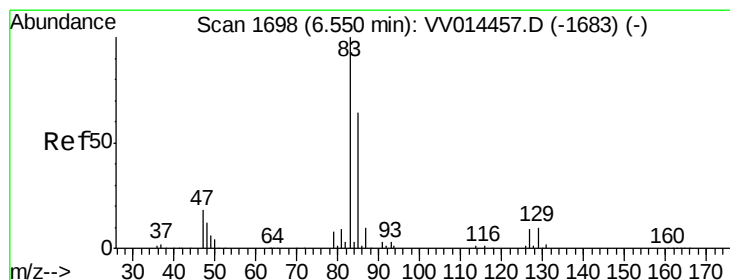
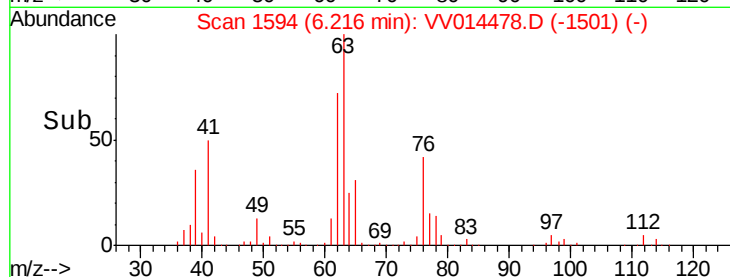
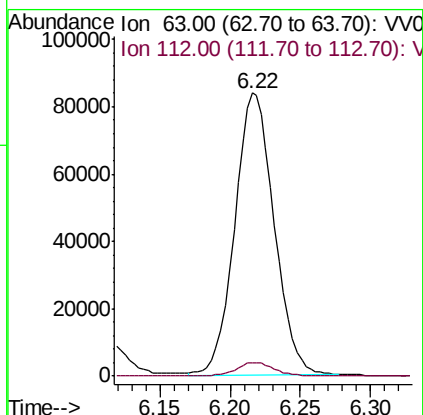
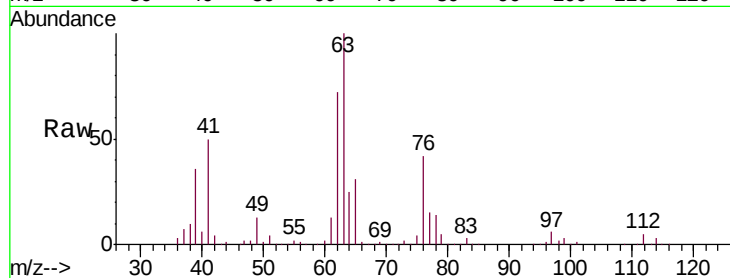




#37
 1,2-Dichloropropane
 Concen: 50.846 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014478.D
 Acq: 01 Feb 2020 02:32

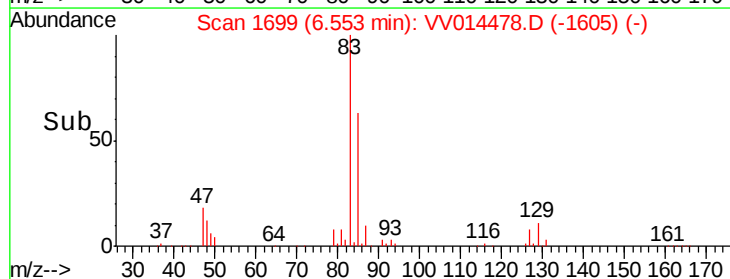
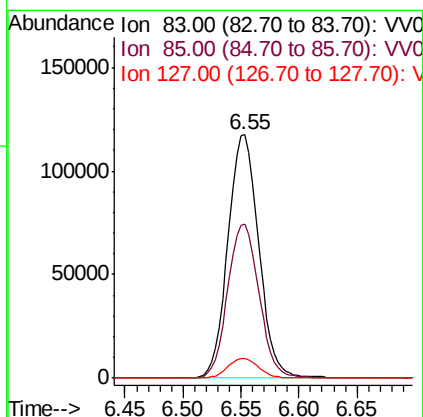
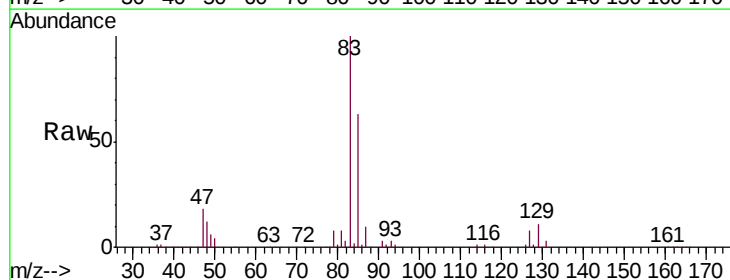
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

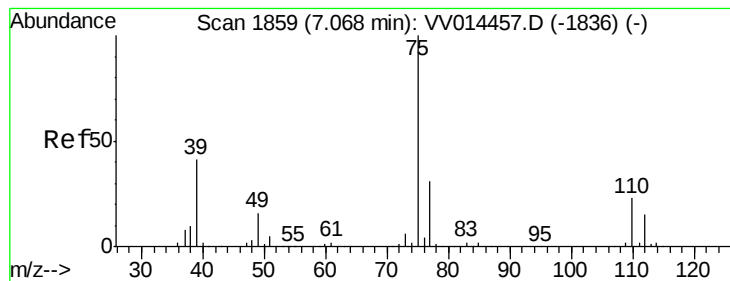
Tgt Ion: 63 Resp: 162947
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 50.587 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV014478.D
 Acq: 01 Feb 2020 02:32

Tgt Ion: 83 Resp: 217061
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.9 83.3
 127 8.1 6.3 9.5



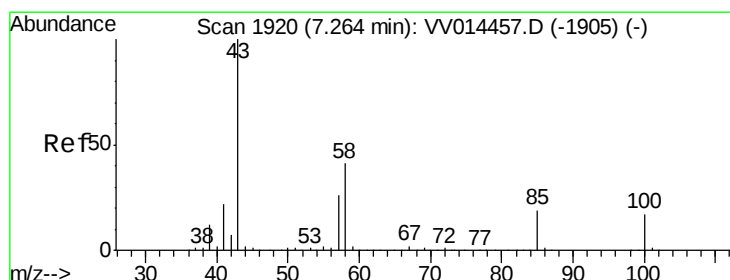
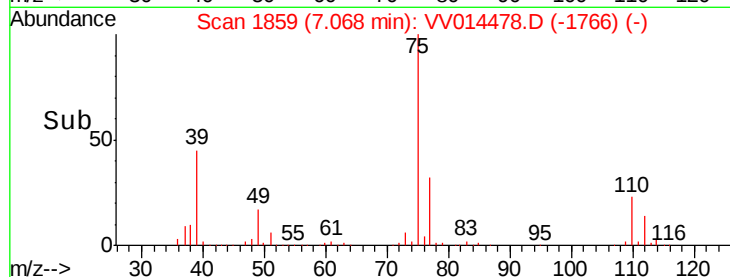
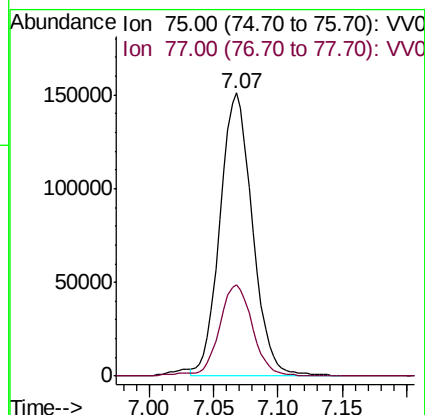
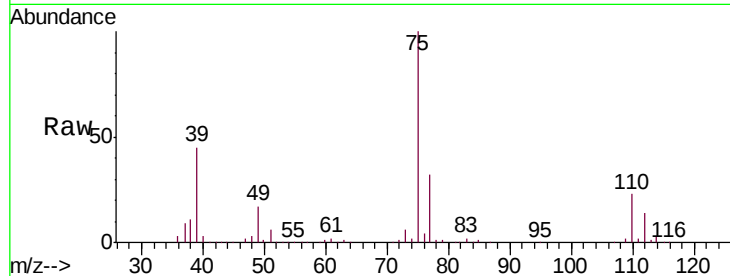


#39

cis-1,3-Dichloropropene
 Concen: 49.827 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV014478.D
 Acq: 01 Feb 2020 02:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

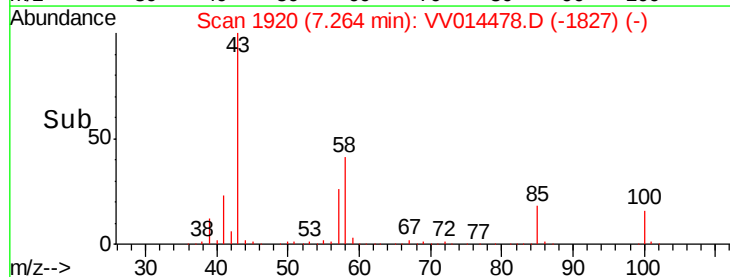
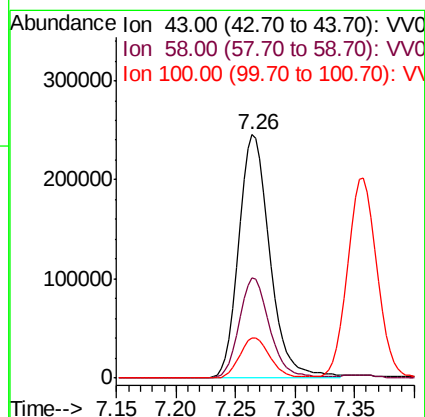
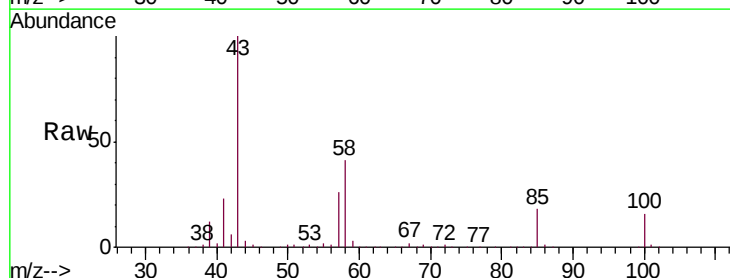
Tgt Ion: 75 Resp: 262571
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.7 42.3

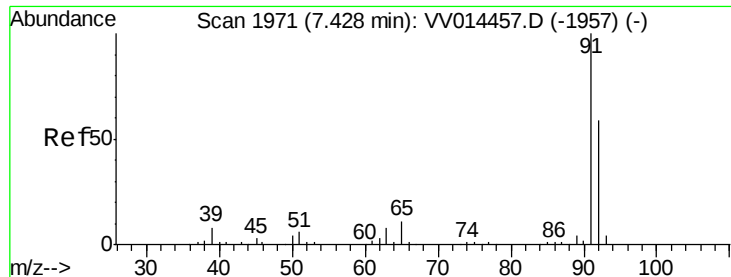


#40

4-Methyl-2-pentanone
 Concen: 115.190 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VV014478.D
 Acq: 01 Feb 2020 02:32

Tgt Ion: 43 Resp: 446290
 Ion Ratio Lower Upper
 43 100
 58 40.5 31.9 47.9
 100 16.3 12.2 18.4





#42

Toluene

Concen: 50.990 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

Instrument :

MSVOA_V

ClientSampleId :

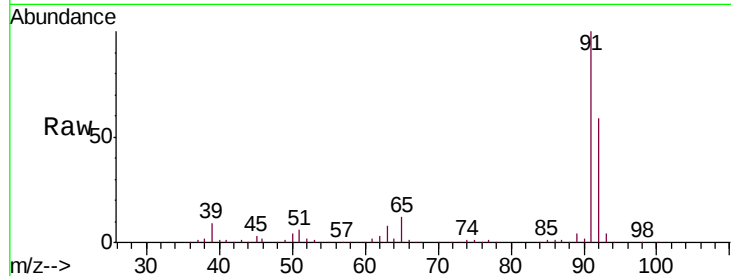
VSTD05087

Tgt Ion: 91 Resp: 684503

Ion Ratio Lower Upper

91 100

92 59.1 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.43

400000

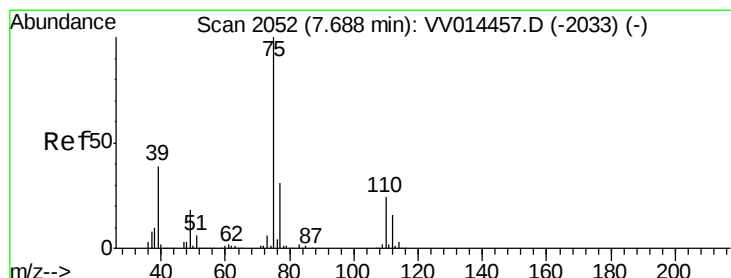
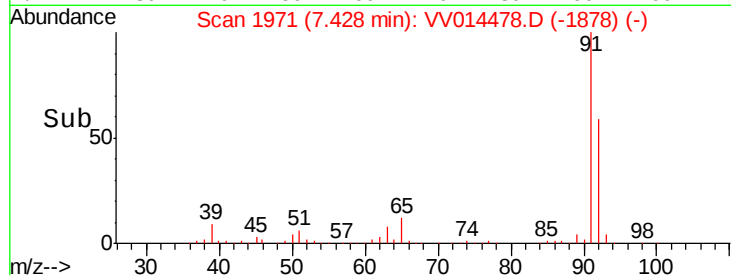
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.503 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014478.D

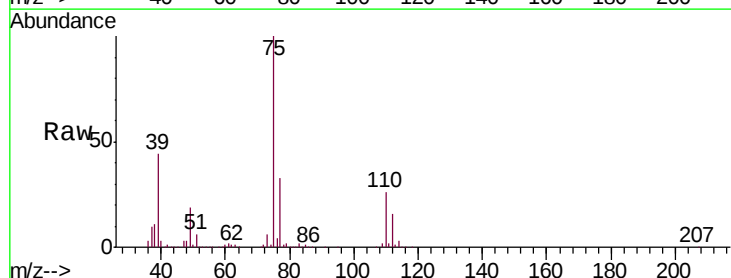
Acq: 01 Feb 2020 02:32

Tgt Ion: 75 Resp: 236347

Ion Ratio Lower Upper

75 100

77 32.8 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.69

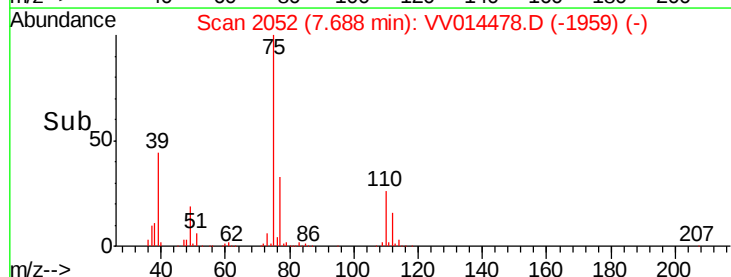
150000

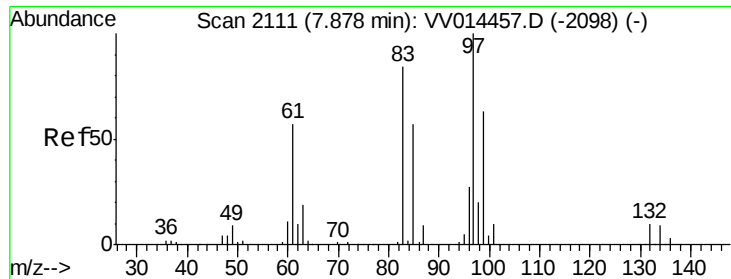
100000

50000

0

Time-->

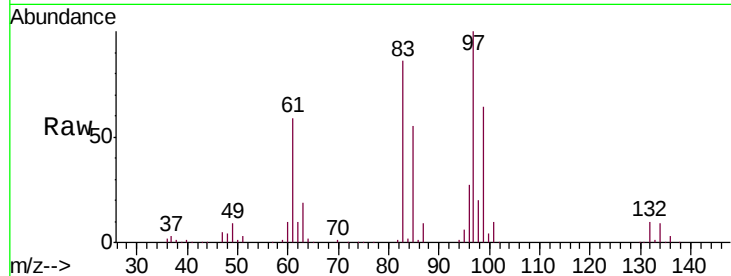




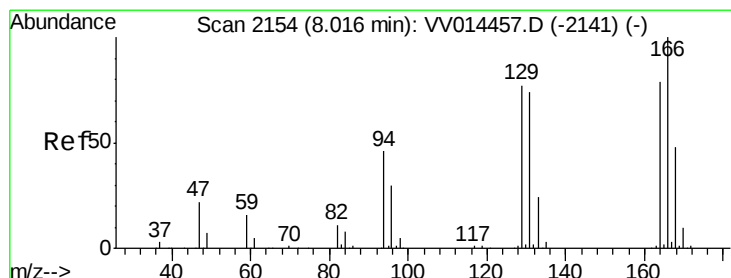
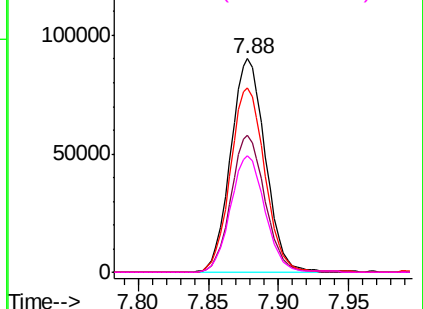
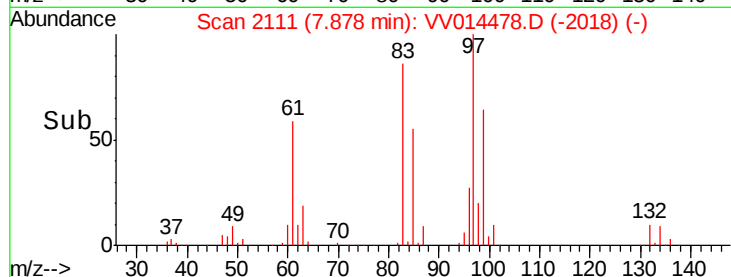
#45
 1,1,2-Trichloroethane
 Concen: 51.292 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV014478.D
 Acq: 01 Feb 2020 02:32

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05087

Tgt Ion:	97	Resp:	155308
Ion	Ratio	Lower	Upper
97	100		
99	63.9	43.8	81.3
83	86.4	60.0	111.4
85	54.7	37.2	69.0

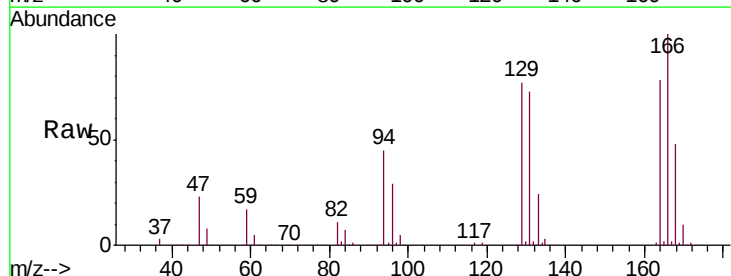


Abundance Ion 97.00 (96.70 to 97.70): VV014478.D (-2018) (-)

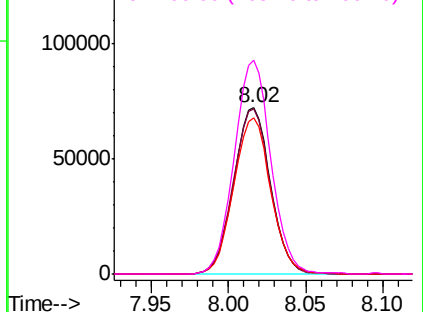
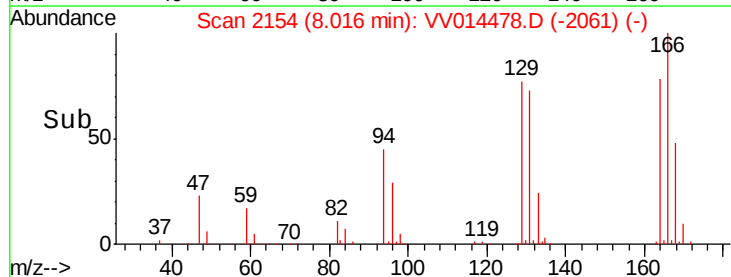


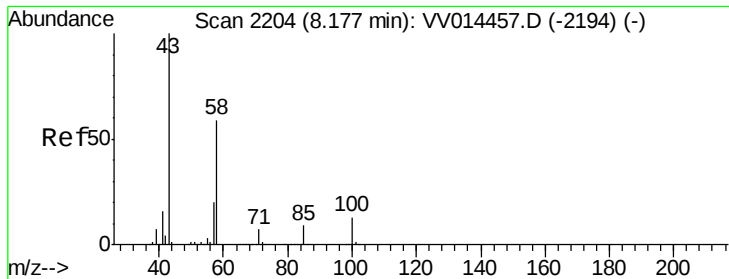
#46
 Tetrachloroethene
 Concen: 50.302 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV014478.D
 Acq: 01 Feb 2020 02:32

Tgt Ion:	164	Resp:	119154
Ion	Ratio	Lower	Upper
164	100		
129	99.7	70.4	130.8
131	94.5	65.5	121.7
166	128.8	89.9	166.9



Abundance Ion 164.00 (163.70 to 164.70): VV014478.D (-2061) (-)

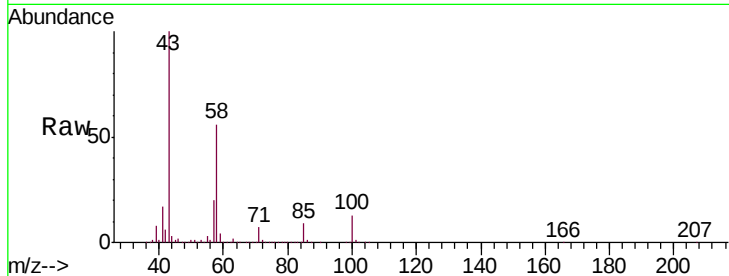




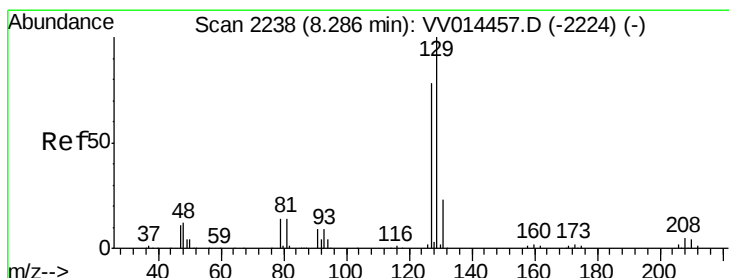
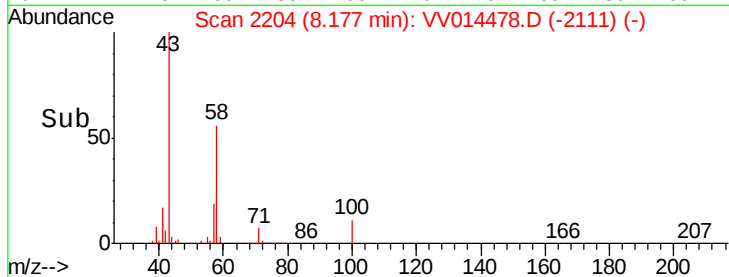
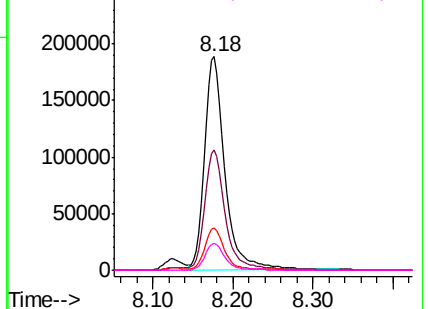
#48
2-Hexanone
Concen: 110.327 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VV014478.D
Acq: 01 Feb 2020 02:32

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Tgt Ion:	43	Resp:	334365
Ion	Ratio	Lower	Upper
43	100		
58	55.9	48.0	72.0
57	18.7	15.0	22.6
100	12.6	10.4	15.6

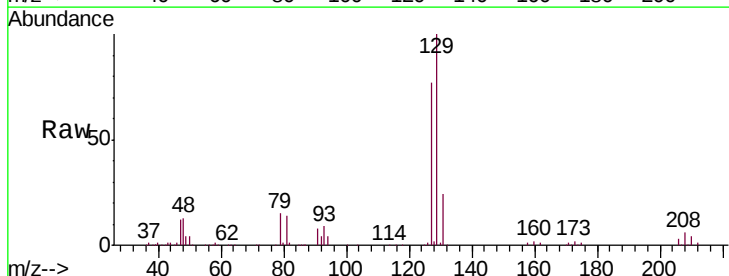


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

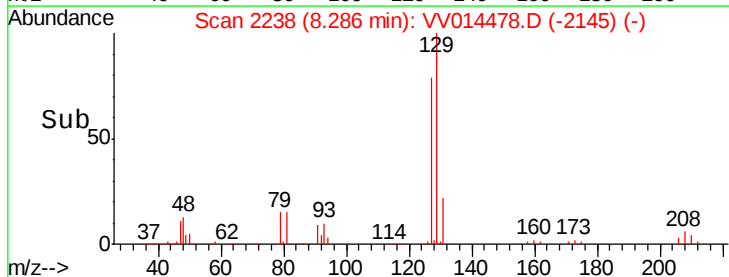
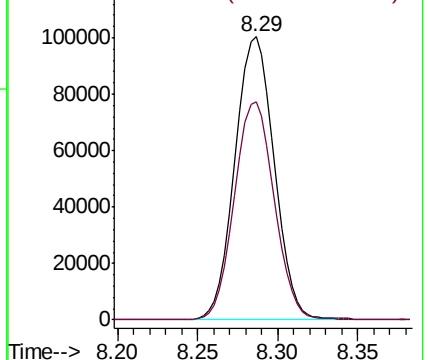


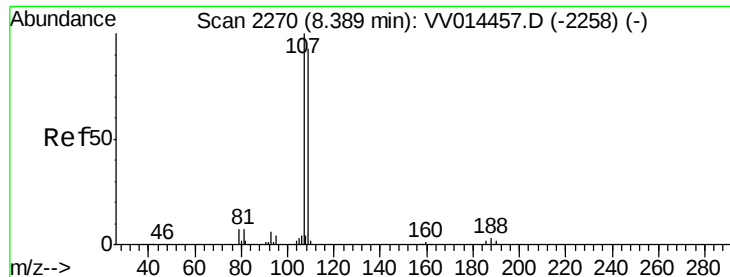
#49
Dibromochloromethane
Concen: 50.538 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV014478.D
Acq: 01 Feb 2020 02:32

Tgt Ion:	129	Resp:	168360
Ion	Ratio	Lower	Upper
129	100		
127	77.1	55.1	102.3



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

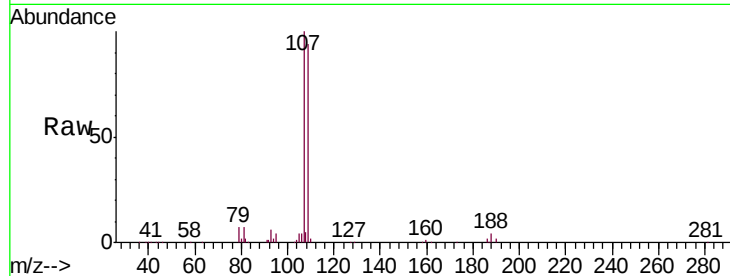




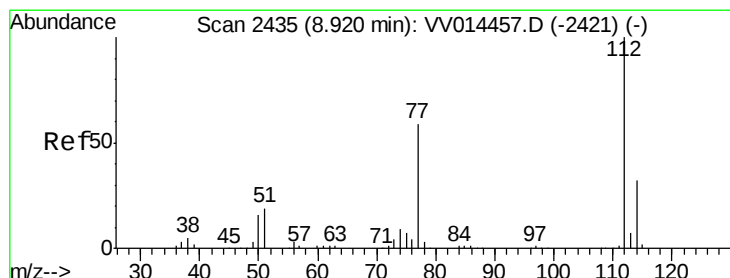
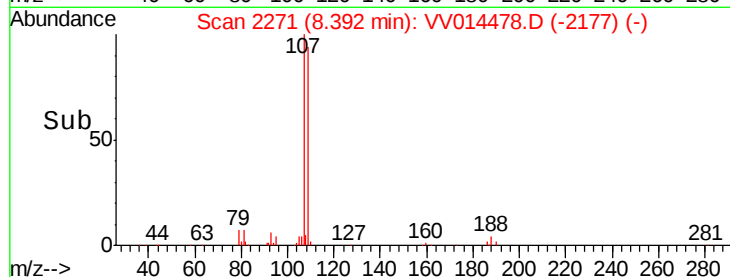
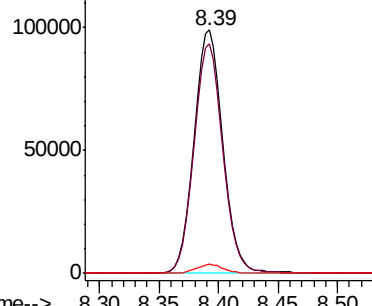
#50
1,2-Dibromoethane
Concen: 51.596 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014478.D
Acq: 01 Feb 2020 02:32

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Tgt Ion:107 Resp: 166339
Ion Ratio Lower Upper
107 100
109 94.4 65.5 121.7
188 3.6 2.6 3.8

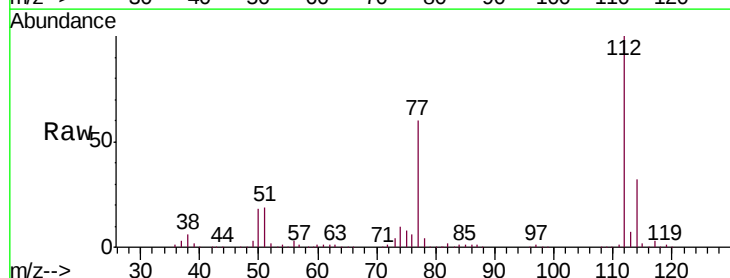


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

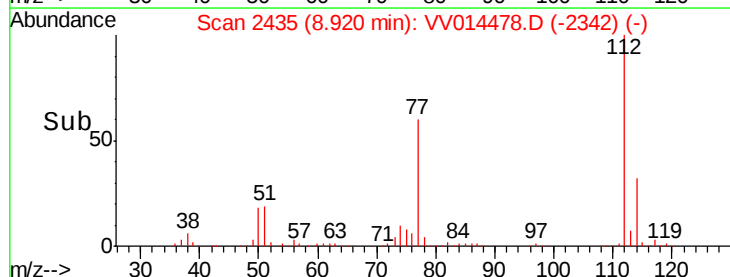
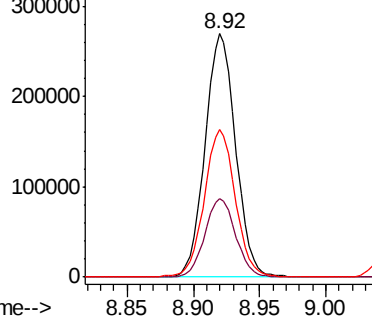


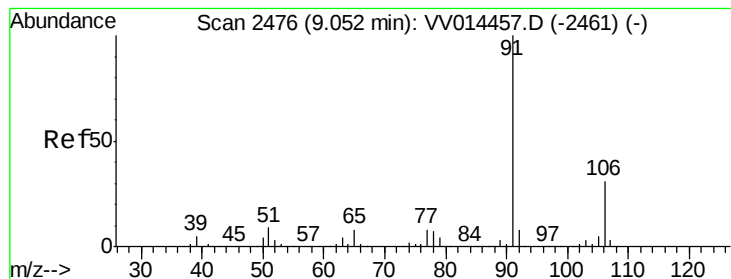
#51
Chlorobenzene
Concen: 50.148 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014478.D
Acq: 01 Feb 2020 02:32

Tgt Ion:112 Resp: 430660
Ion Ratio Lower Upper
112 100
114 32.5 22.5 41.9
77 60.4 47.5 71.3



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: 50.635 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

Instrument :

MSVOA_V

ClientSampleId :

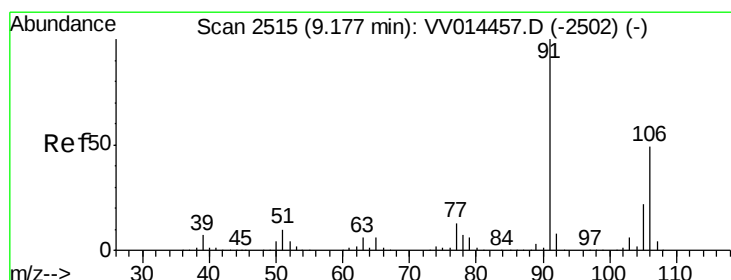
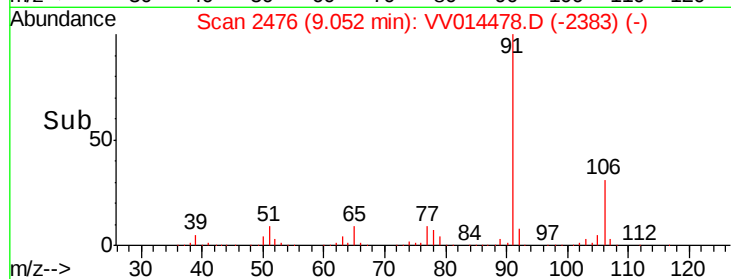
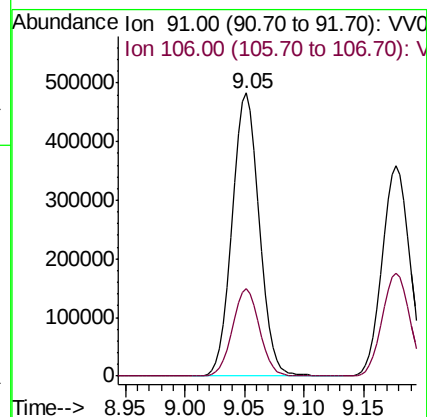
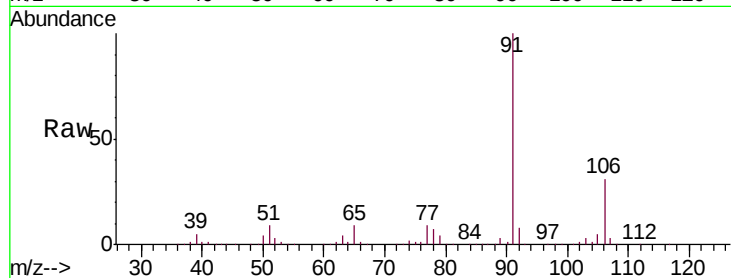
VSTD05087

Tgt Ion: 91 Resp: 762908

Ion Ratio Lower Upper

91 100

106 30.9 21.8 40.6



#53

m,p-Xylene

Concen: 50.511 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014478.D

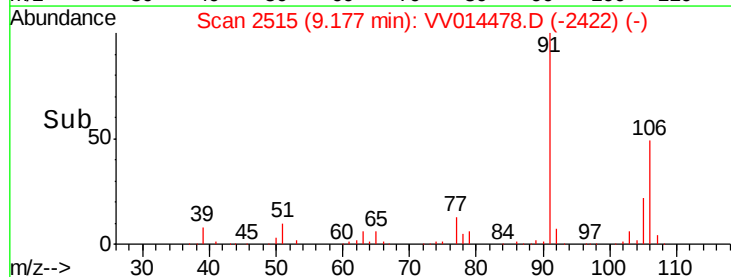
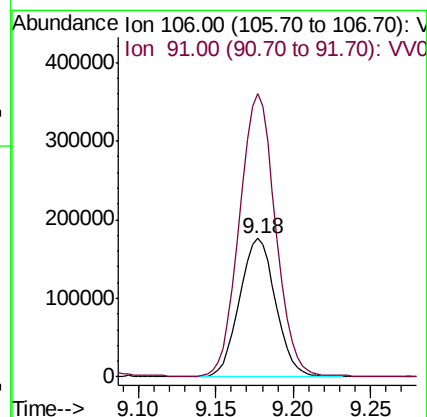
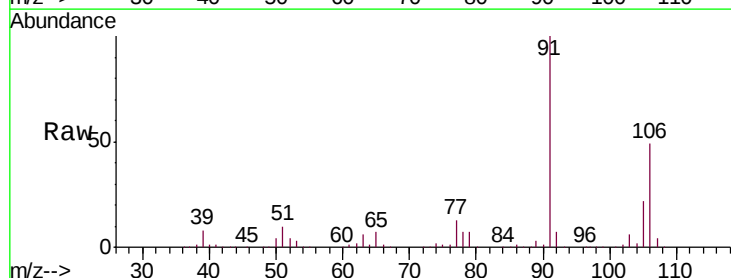
Acq: 01 Feb 2020 02:32

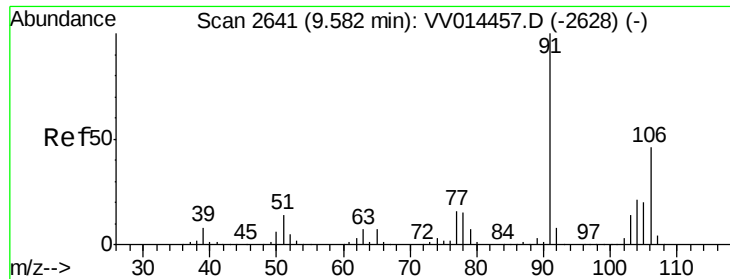
Tgt Ion: 106 Resp: 284179

Ion Ratio Lower Upper

106 100

91 204.4 140.9 261.7

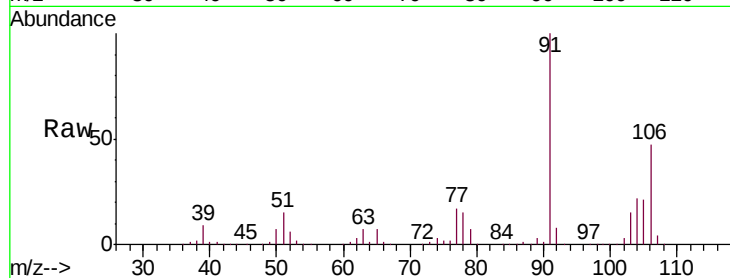




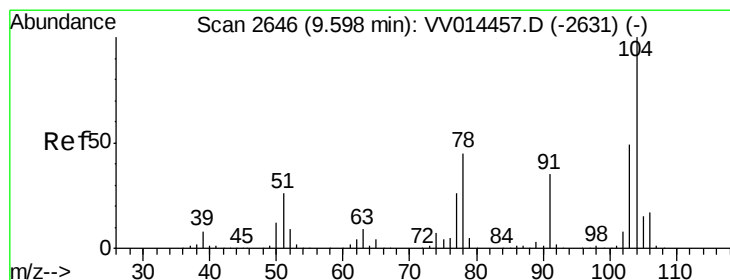
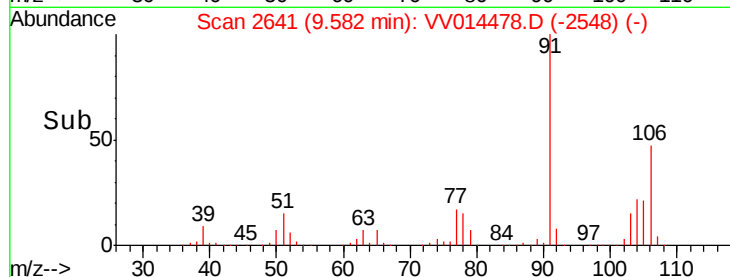
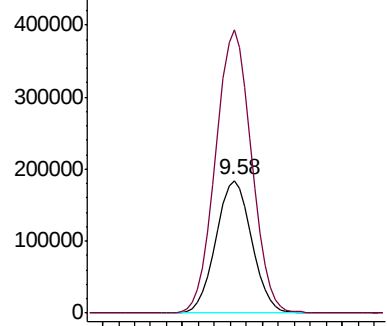
#54
o-xylene
Concen: 50.448 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014478.D
Acq: 01 Feb 2020 02:32

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Tgt Ion:106 Resp: 281234
Ion Ratio Lower Upper
106 100
91 213.6 150.4 279.2

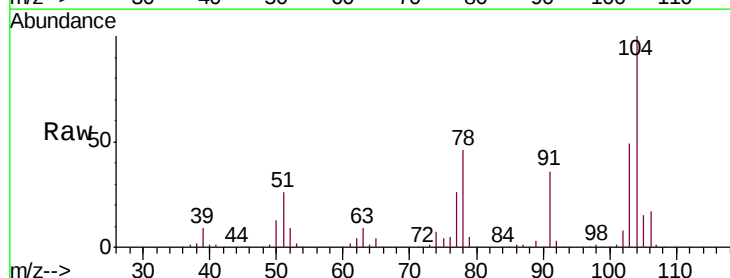


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

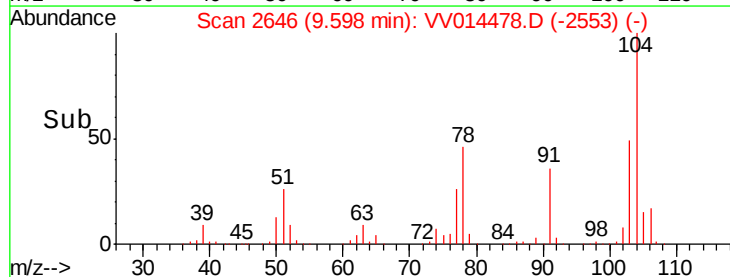
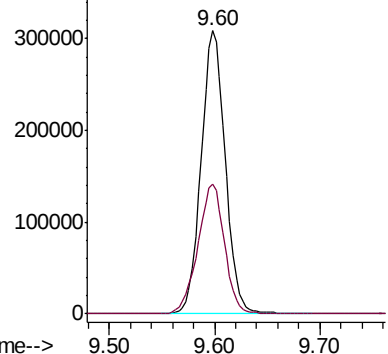


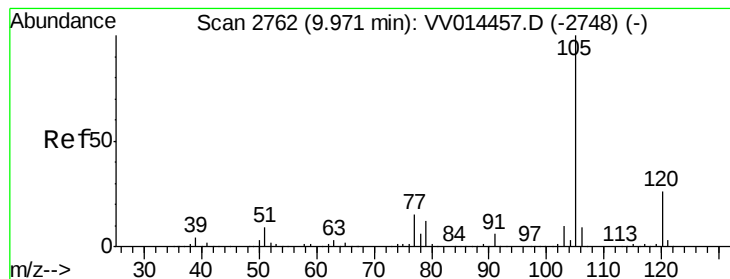
#55
Styrene
Concen: 52.199 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV014478.D
Acq: 01 Feb 2020 02:32

Tgt Ion:104 Resp: 488366
Ion Ratio Lower Upper
104 100
78 46.0 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.410 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

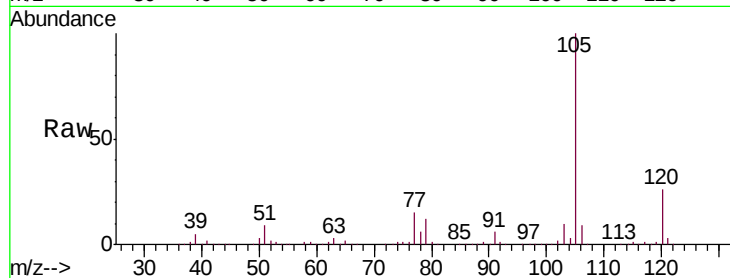
Tgt Ion: 105 Resp: 732803

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

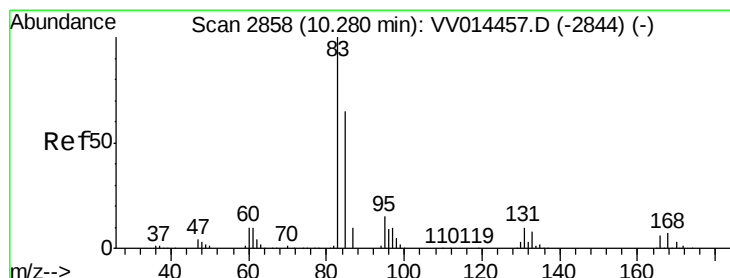
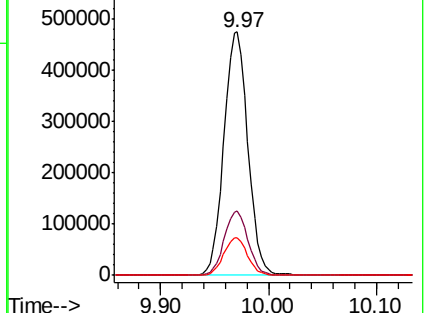
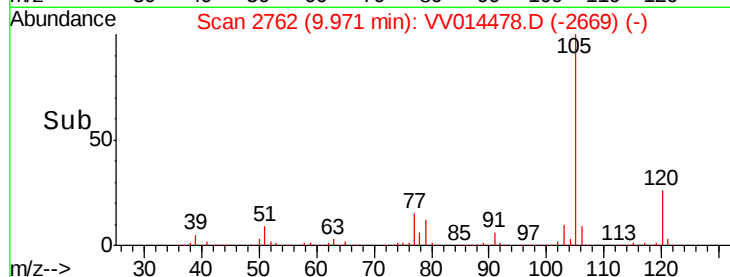
77 15.4 12.5 18.7



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: 50.422 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

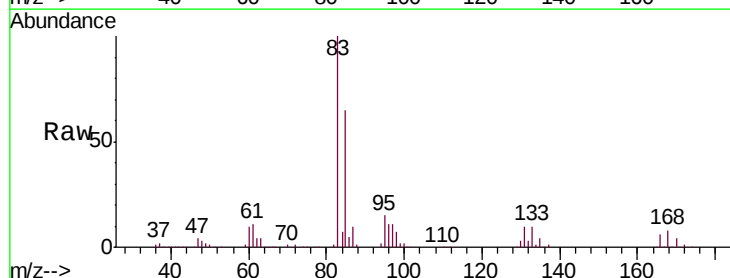
Tgt Ion: 83 Resp: 243901

Ion Ratio Lower Upper

83 100

85 64.9 44.2 82.2

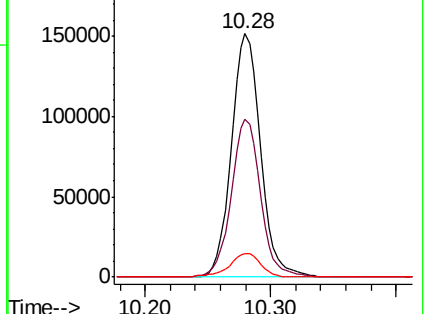
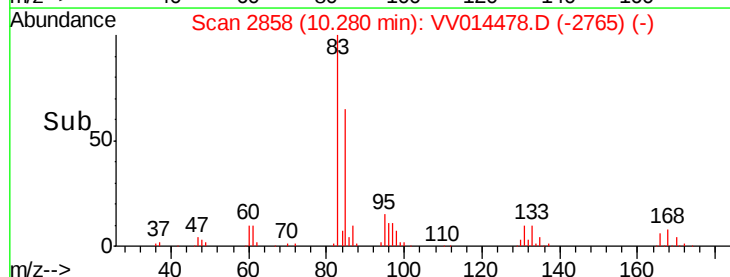
131 9.6 7.6 11.4

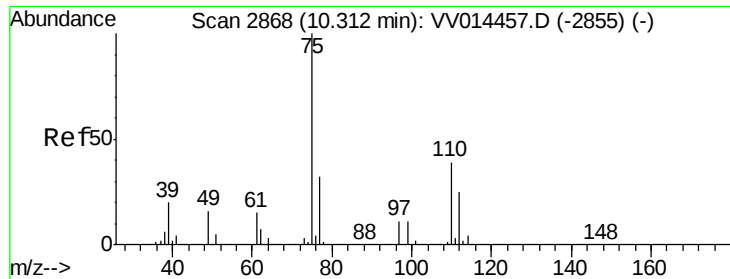


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.647 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

Instrument :

MSVOA_V

ClientSampled :

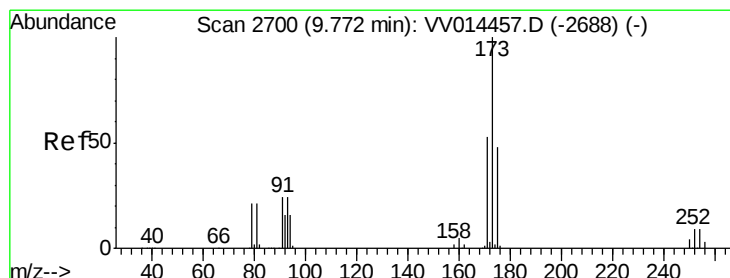
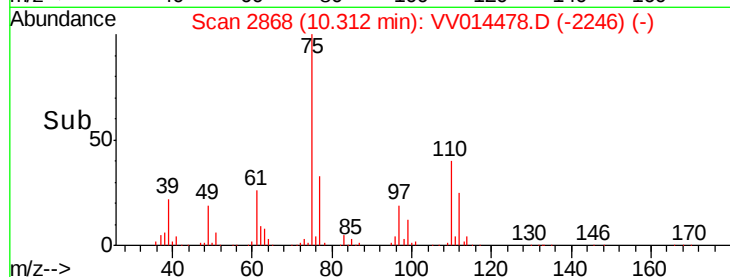
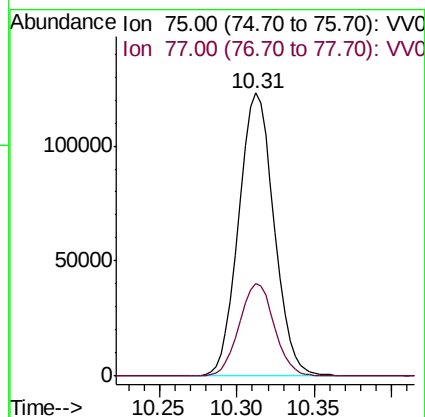
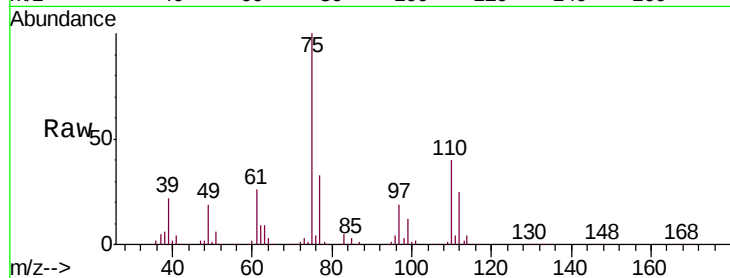
VSTD05087

Tgt Ion: 75 Resp: 195598

Ion Ratio Lower Upper

75 100

77 32.7 25.9 38.9



#61

Bromoform

Concen: 52.406 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

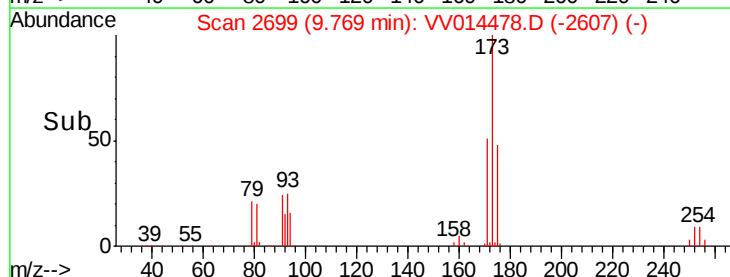
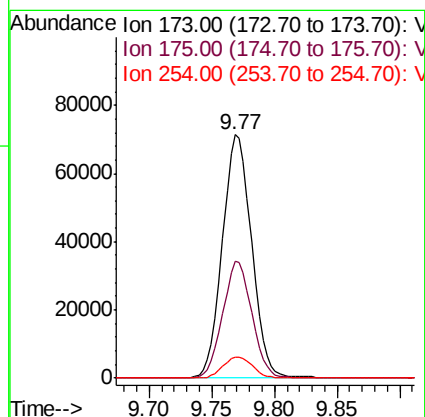
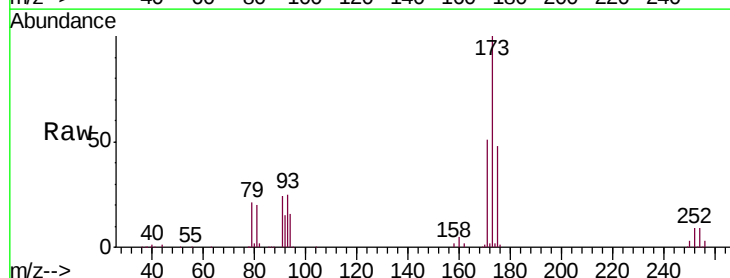
Tgt Ion: 173 Resp: 115566

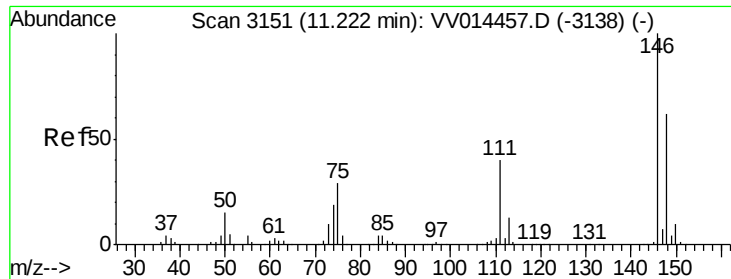
Ion Ratio Lower Upper

173 100

175 47.9 38.8 58.2

254 8.8 7.0 10.6





#62

1,3-Dichlorobenzene

Concen: 50.969 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

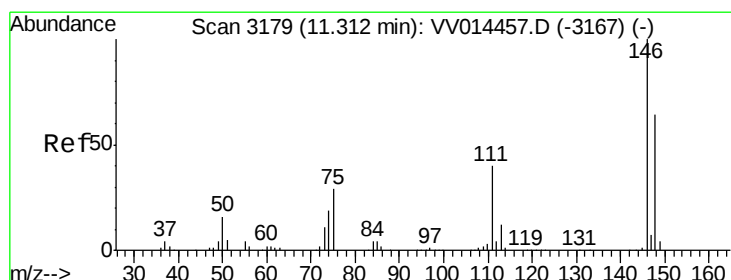
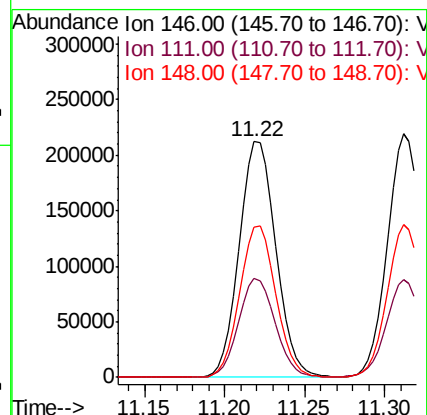
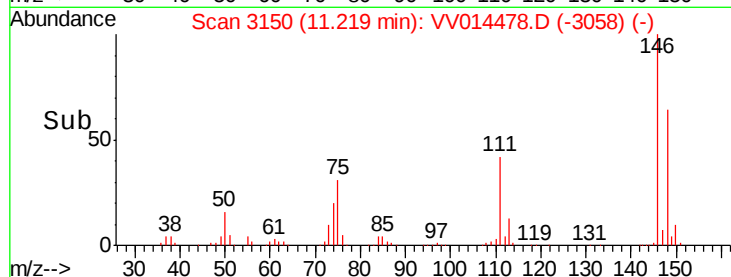
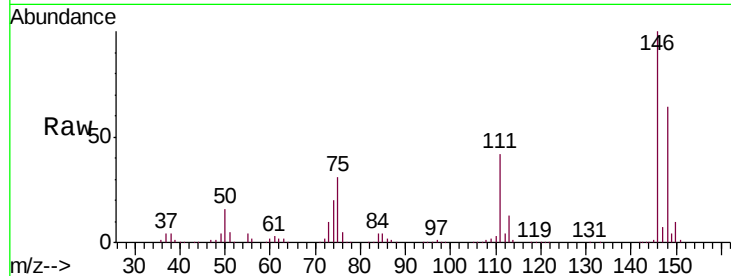
Tgt Ion:146 Resp: 330855

Ion Ratio Lower Upper

146 100

111 41.8 29.3 54.3

148 63.6 44.9 83.3



#63

1,4-Dichlorobenzene

Concen: 50.311 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

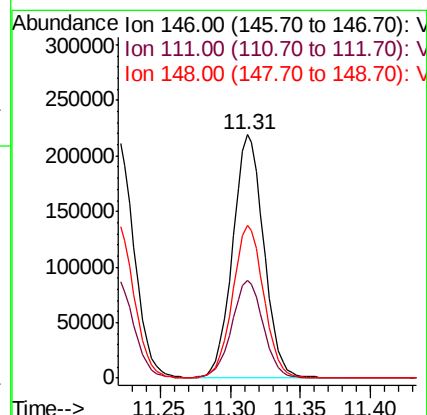
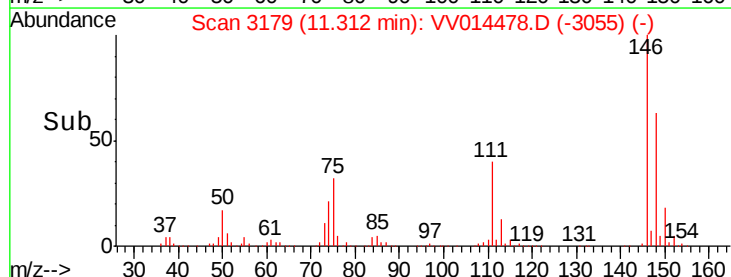
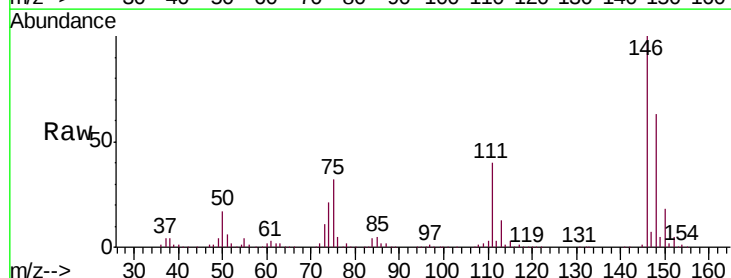
Tgt Ion:146 Resp: 336207

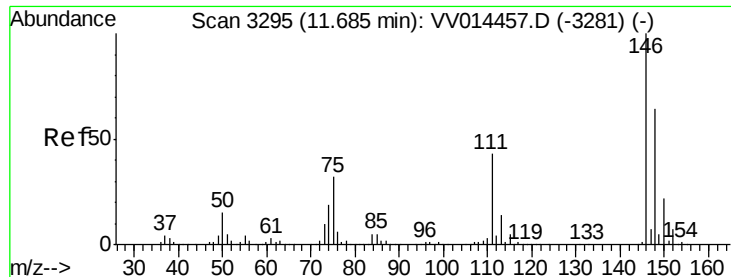
Ion Ratio Lower Upper

146 100

111 40.4 28.1 52.1

148 62.6 43.5 80.9





#65

1,2-Dichlorobenzene

Concen: 50.276 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

Instrument :

MSVOA_V

ClientSampled :

VSTD05087

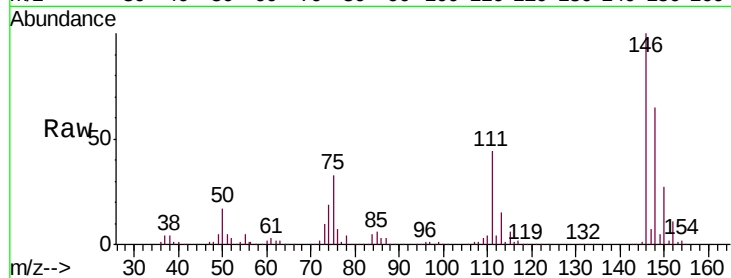
Tgt Ion: 146 Resp: 322579

Ion Ratio Lower Upper

146 100

111 44.2 34.6 51.8

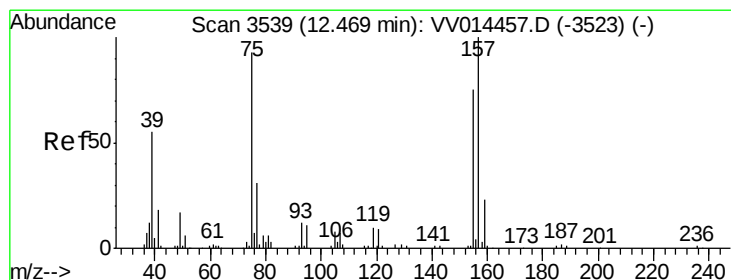
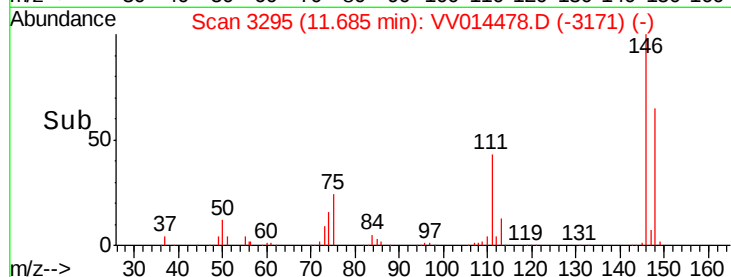
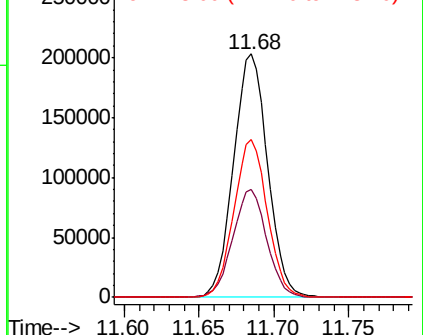
148 64.6 51.2 76.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 53.021 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV014478.D

Acq: 01 Feb 2020 02:32

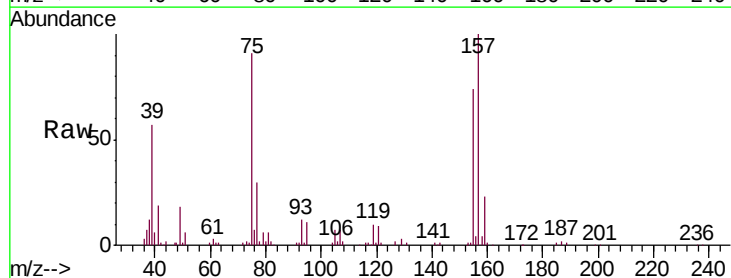
Tgt Ion: 75 Resp: 54079

Ion Ratio Lower Upper

75 100

155 81.1 64.2 96.2

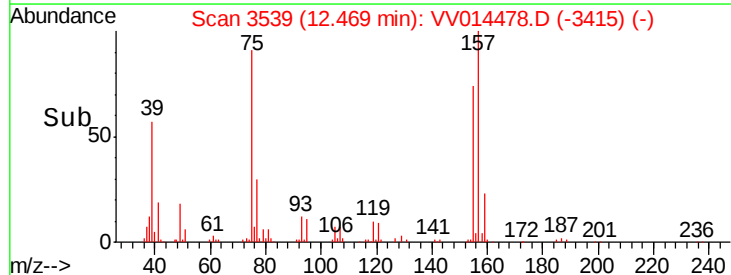
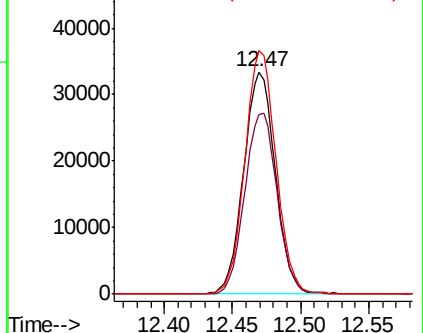
157 109.7 83.4 125.2

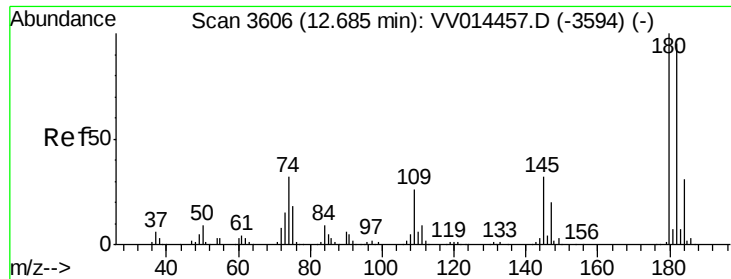


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

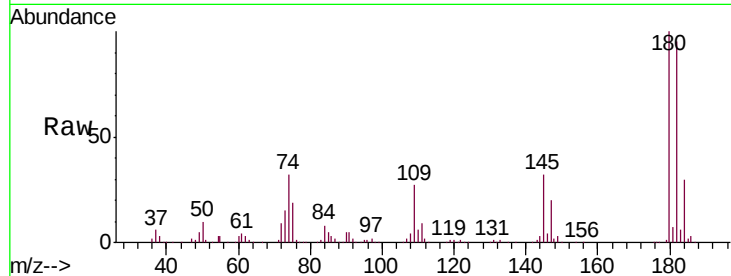




#67
 1,3,5-Trichlorobenzene
 Concen: 50.974 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014478.D
 Acq: 01 Feb 2020 02:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.3	114.5
184	30.8	24.2	36.2
145	32.0	25.4	38.2



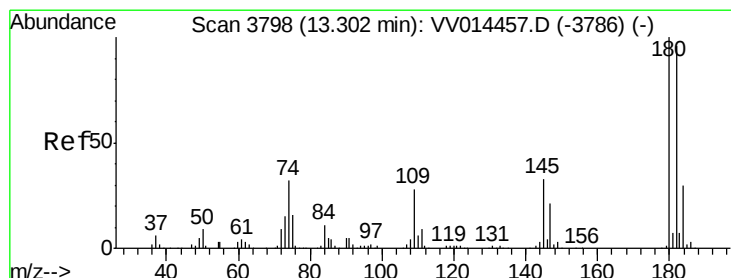
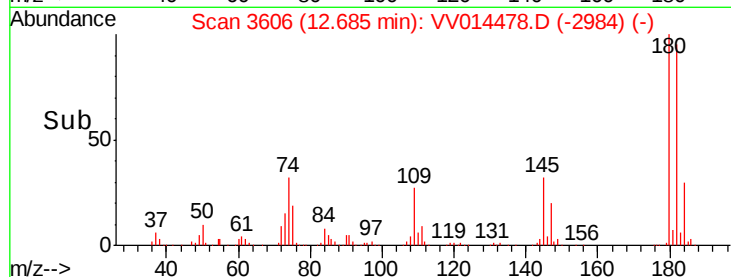
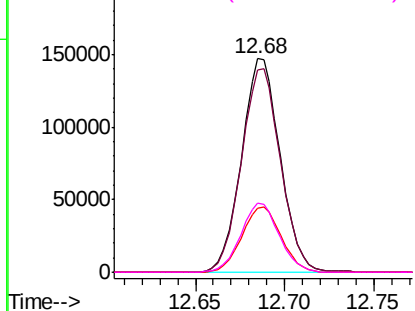
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

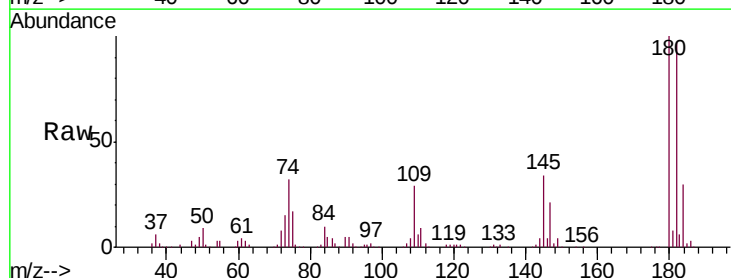
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.991 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014478.D
 Acq: 01 Feb 2020 02:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.0	114.0
145	33.0	26.2	39.2

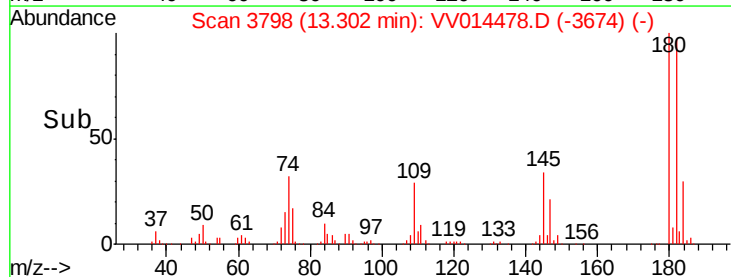
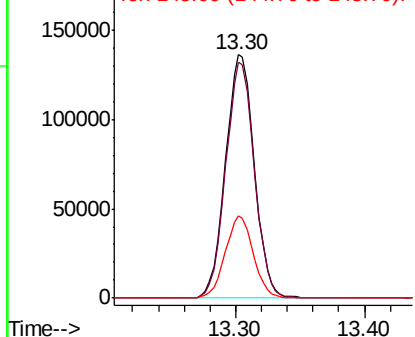


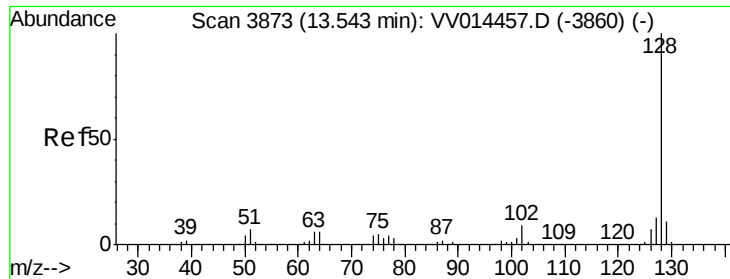
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

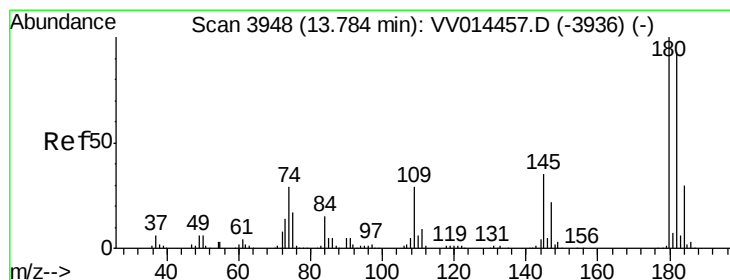
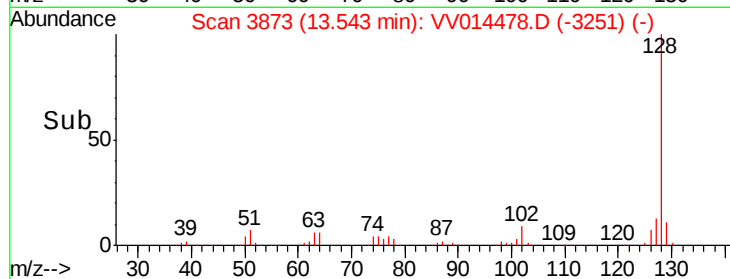
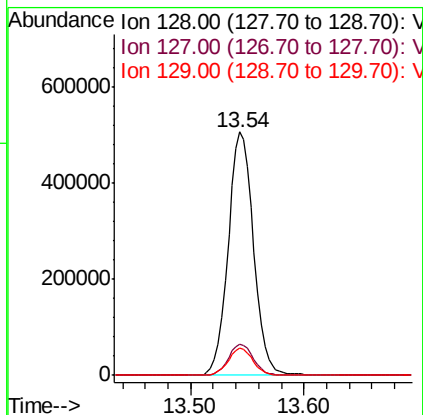
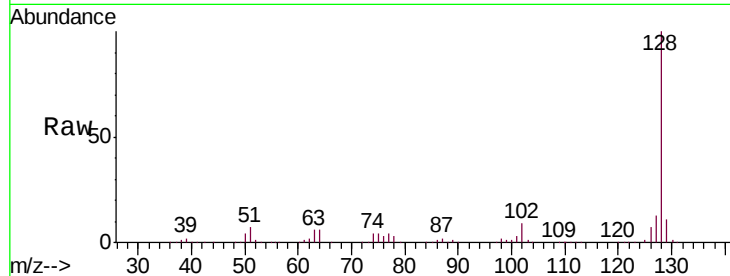




#69
Naphthalene
Concen: 62.558 ug/L
RT: 13.54 min Scan# 3873
Delta R.T. -0.00 min
Lab File: VV014478.D
Acq: 01 Feb 2020 02:32

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Tgt Ion:128 Resp: 787009
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.9 8.6 13.0



#70
1,2,3-Trichlorobenzene
Concen: 53.897 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV014478.D
Acq: 01 Feb 2020 02:32

Tgt Ion:180 Resp: 206313
Ion Ratio Lower Upper
180 100
182 95.1 77.5 116.3
145 33.8 27.8 41.6

