

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072020\
 Data File : VV017558.D
 Acq On : 20 Jul 2020 20:57
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05085

Quant Time: Jul 21 01:48:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 20 18:07:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	346669	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	331377	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	181281	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	76517	39.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.14%
7) Chloroethane-d5	1.58	69	60747	38.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.34%
11) 1,1-Dichloroethene-d2	2.12	63	169441	36.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.06%
21) 2-Butanone-d5	3.91	46	146604	104.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.34%
24) Chloroform-d	4.37	84	203573	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.90%
26) 1,2-Dichloroethane-d4	5.05	65	138766	45.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.80%
32) Benzene-d6	5.07	84	359451	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.36%
36) 1,2-Dichloropropane-d6	6.09	67	111739	51.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.66%
41) Toluene-d8	7.33	98	338117	48.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.64%
43) trans-1,3-Dichloropropene-	7.64	79	61965	46.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.44%
47) 2-Hexanone-d5	8.10	63	110888	109.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.53%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	166006	53.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.68%
64) 1,2-Dichlorobenzene-d4	11.65	152	154477	47.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.30%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	147569	45.341	ug/L	100
3) Chloromethane	1.25	50	109116	42.236	ug/L	100
5) Vinyl chloride	1.32	62	108653	39.119	ug/L	98
6) Bromomethane	1.53	94	67622	37.579	ug/L	95
8) Chloroethane	1.60	64	60740	38.406	ug/L	98
9) Trichlorofluoromethane	1.76	101	191216	39.511	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	92456	35.776	ug/L	97
12) 1,1-Dichloroethene	2.13	96	84549	36.560	ug/L	94
13) Acetone	2.19	43	119048	69.461	ug/L	96
14) Carbon disulfide	2.31	76	261201	41.610	ug/L	99
15) Methyl Acetate	2.45	43	122054	49.590	ug/L	96
16) Methylene chloride	2.52	84	118606	45.725	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	105591	47.189	ug/L	95
18) Methyl tert-butyl Ether	2.78	73	385562	47.831	ug/L	98
19) 1,1-Dichloroethane	3.21	63	204941	49.030	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	120185	48.955	ug/L	98
22) 2-Butanone	3.99	43	165192	105.615	ug/L	99

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 ALS Vial : 25 Sample Multiplier: 1

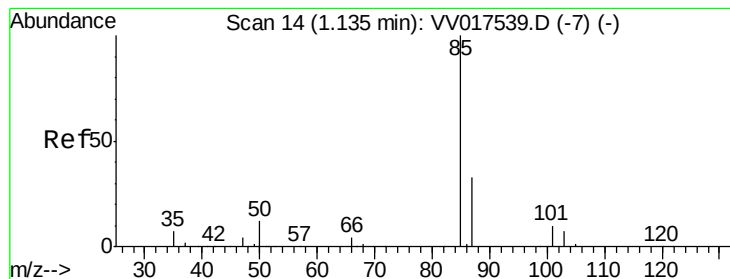
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.27	128	67436	49.039	ug/L	91
25) Chloroform	4.40	83	224021	47.804	ug/L	98
27) 1,2-Dichloroethane	5.15	62	188820	46.914	ug/L	97
29) Cyclohexane	4.70	56	165513	52.283	ug/L #	94
30) 1,1,1-Trichloroethane	4.63	97	208061	46.977	ug/L	99
31) Carbon tetrachloride	4.85	117	181948	44.828	ug/L	99
33) Benzene	5.12	78	438733	51.253	ug/L	100
34) Trichloroethene	5.94	95	117450	49.782	ug/L	94
35) Methylcyclohexane	6.15	83	173447	49.841	ug/L	99
37) 1,2-Dichloropropane	6.19	63	111855	51.423	ug/L	99
38) Bromodichloromethane	6.53	83	172022	49.018	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	185460	50.479	ug/L	97
40) 4-Methyl-2-pentanone	7.24	43	339234	112.400	ug/L	99
42) Toluene	7.41	91	480041	50.755	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	191889	49.540	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	119817	50.598	ug/L	98
46) Tetrachloroethene	7.99	164	100436	48.735	ug/L	99
48) 2-Hexanone	8.16	43	260923	108.288	ug/L	99
49) Dibromochloromethane	8.27	129	145447	48.707	ug/L	98
50) 1,2-Dibromoethane	8.37	107	128572	48.718	ug/L	100
51) Chlorobenzene	8.90	112	322385	48.423	ug/L	99
52) Ethylbenzene	9.03	91	543350	48.729	ug/L	99
53) m,p-Xylene	9.16	106	204396	49.307	ug/L	99
54) o-xylene	9.56	106	205839	50.850	ug/L	99
55) Styrene	9.58	104	358382	51.701	ug/L	97
56) Isopropylbenzene	9.95	105	556701	50.962	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	188836	53.554	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	157010	51.893	ug/L	99
61) Bromoform	9.75	173	111377	48.334	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	273202	48.195	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	276752	46.871	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	280573	47.922	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	49631	45.796	ug/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	223044	49.191	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	198826	48.792	ug/L	99
69) Naphthalene	13.52	128	606856	52.919	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	204496	50.455	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 45.341 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

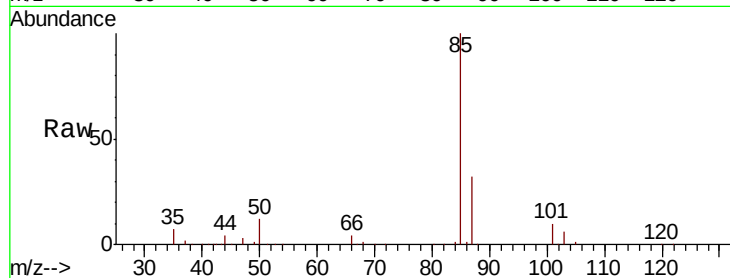
VSTD05085

Tot Ion: 85 Resp: 147569

Ion Ratio Lower Upper

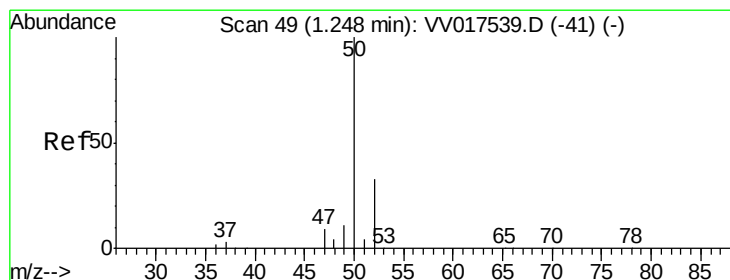
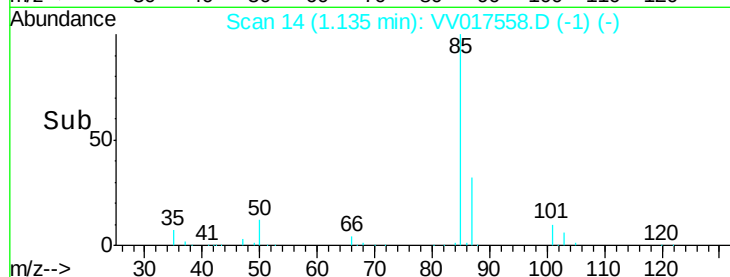
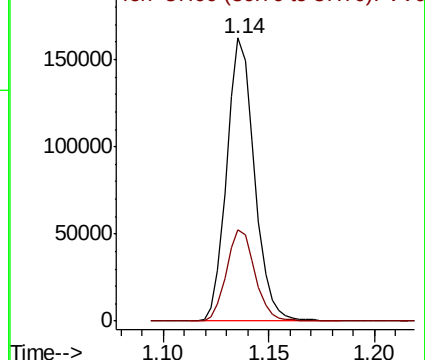
85 100

87 33.1 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 42.236 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017558.D

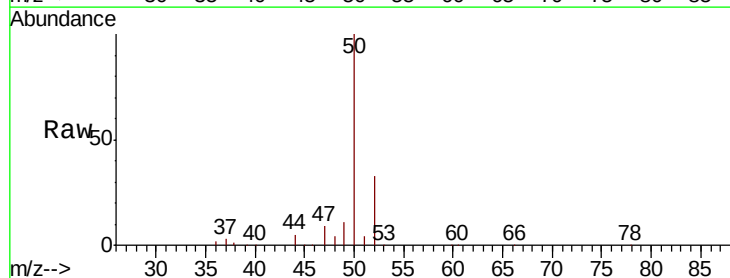
Acq: 20 Jul 2020 20:57

Tgt Ion: 50 Resp: 109116

Ion Ratio Lower Upper

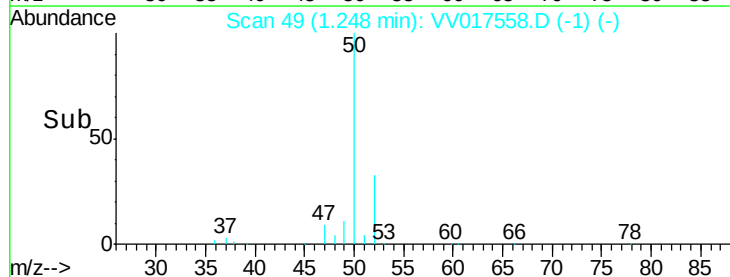
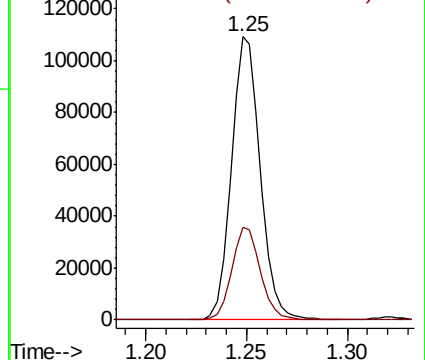
50 100

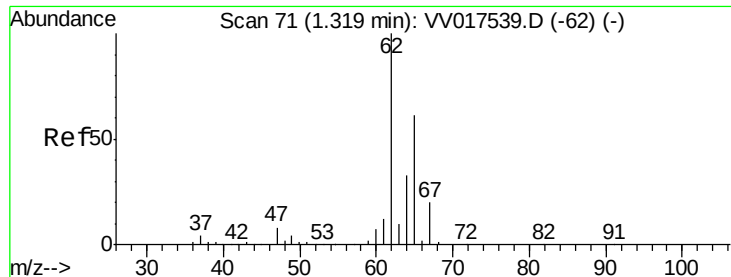
52 32.6 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 39.119 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

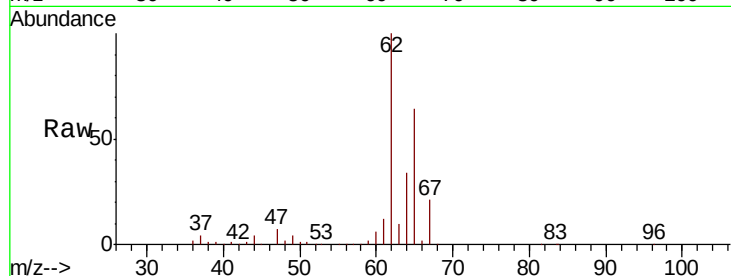
VSTD05085

Tot Ion: 62 Resp: 108653

Ion Ratio Lower Upper

62 100

64 34.0 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

100000

80000

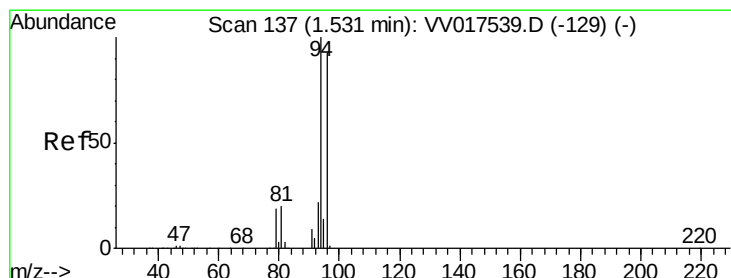
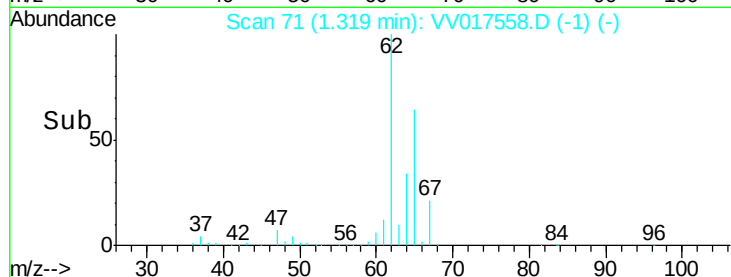
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 37.579 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV017558.D

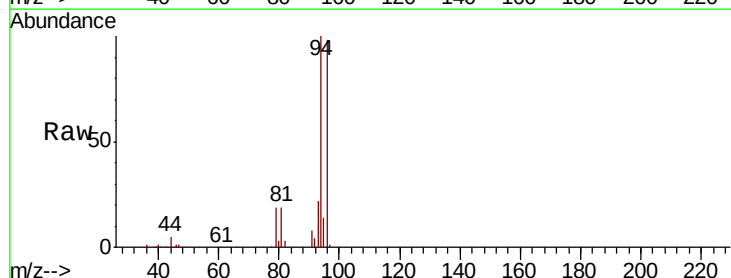
Acq: 20 Jul 2020 20:57

Tgt Ion: 94 Resp: 67622

Ion Ratio Lower Upper

94 100

96 98.3 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

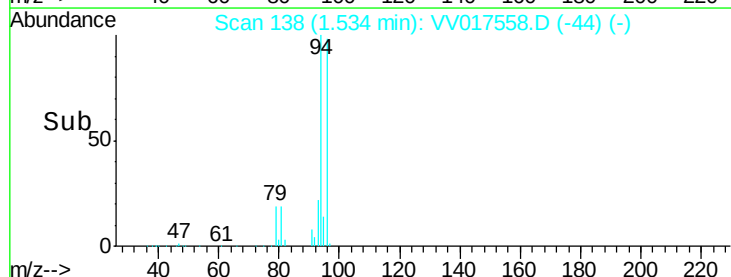
60000

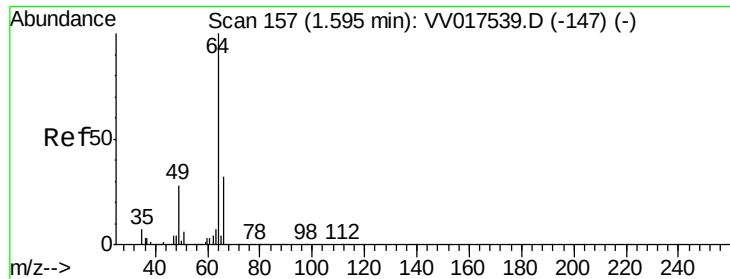
40000

20000

0

Time-->

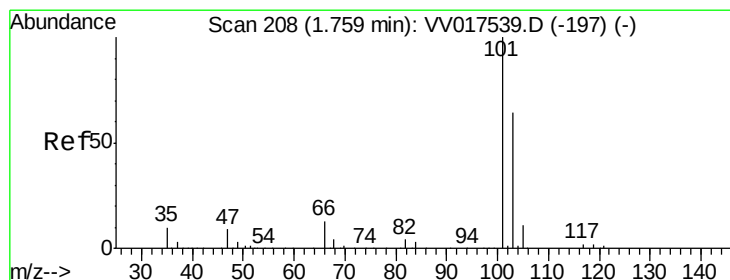
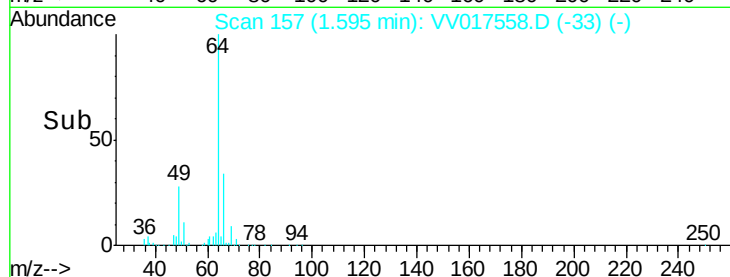
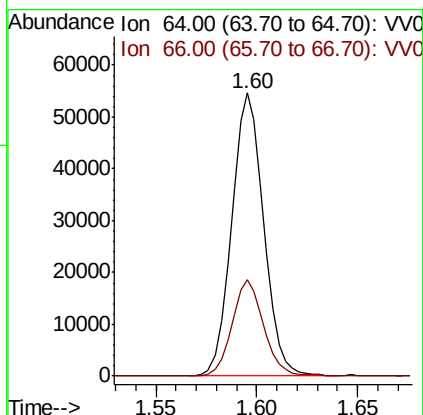
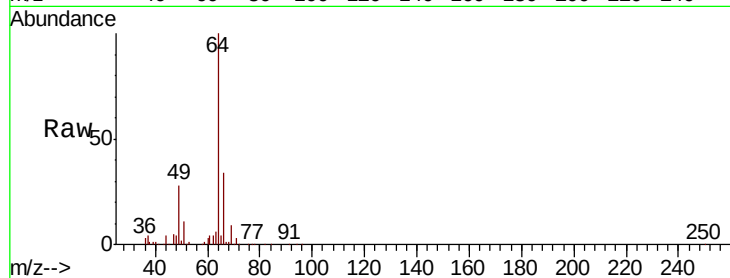




#8
Chloroethane
Concen: 38.406 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017558.D
Acq: 20 Jul 2020 20:57

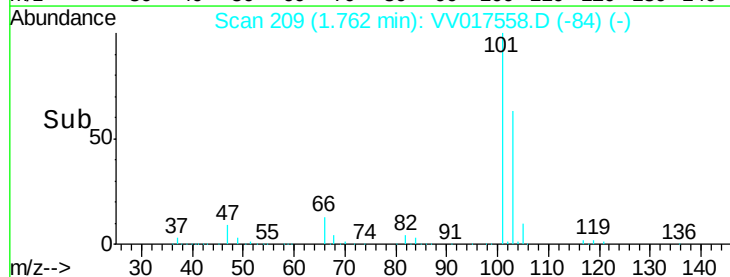
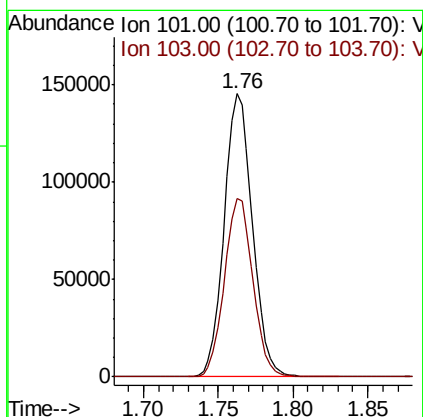
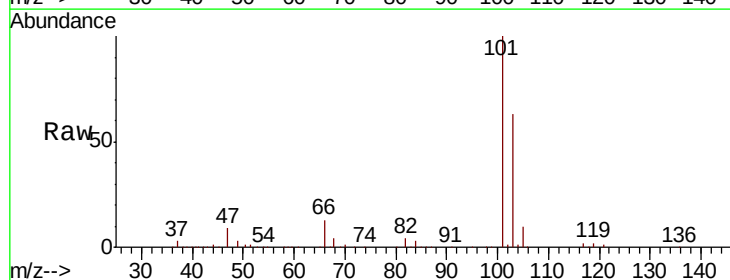
Instrument :
MSVOA_V
ClientSampleId :
VSTD05085

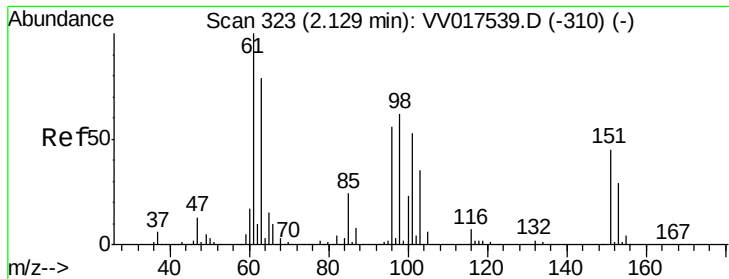
Tot Ion: 64 Resp: 60740
Ion Ratio Lower Upper
64 100
66 33.9 22.8 42.4



#9
Trichlorofluoromethane
Concen: 39.511 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV017558.D
Acq: 20 Jul 2020 20:57

Tgt Ion: 101 Resp: 191216
Ion Ratio Lower Upper
101 100
103 63.7 51.2 76.8





#10

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

Concen: 35.776 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05085

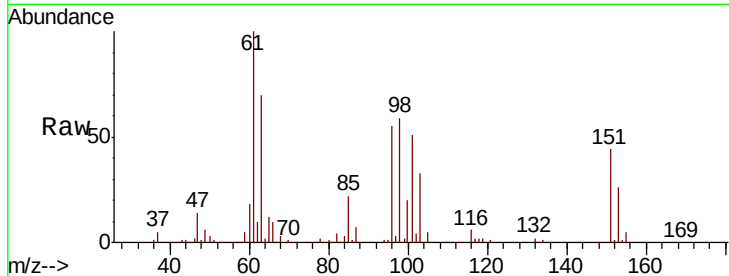
Tot Ion:101 Resp: 92456

Ion Ratio Lower Upper

101 100

85 44.5 36.2 54.4

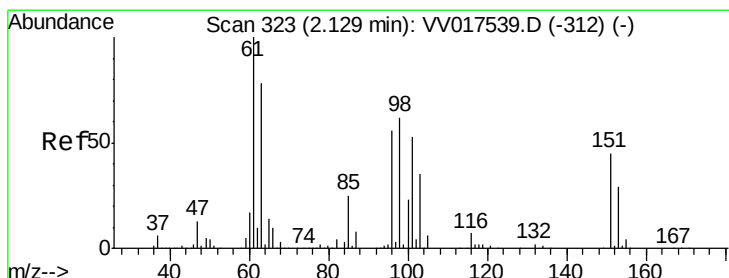
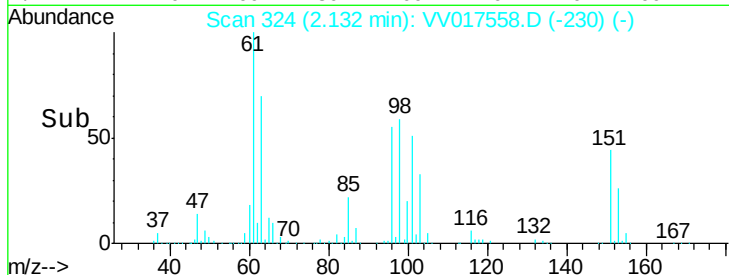
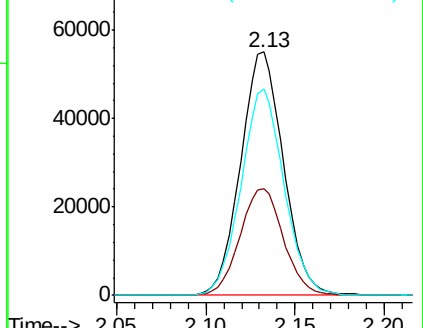
151 85.3 65.9 98.9



Abundance Ion 101.00 (100.70 to 101.70): VV017558.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV017558.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV017558.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 36.560 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

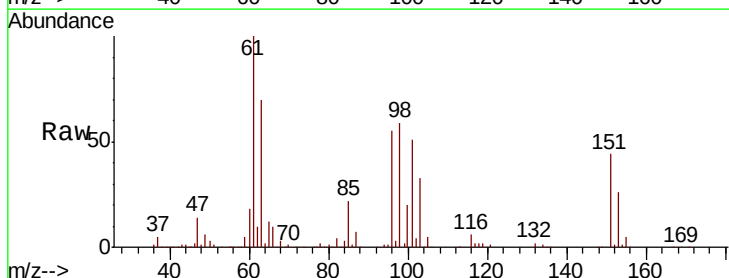
Tgt Ion: 96 Resp: 84549

Ion Ratio Lower Upper

96 100

61 182.6 126.0 234.0

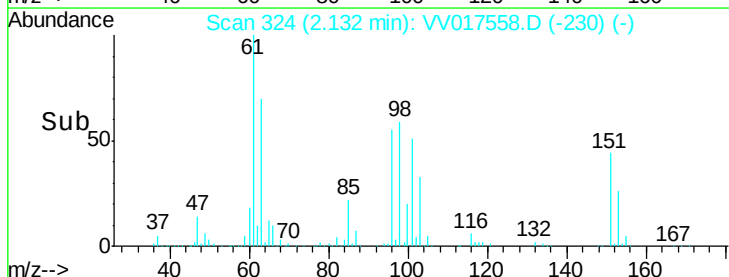
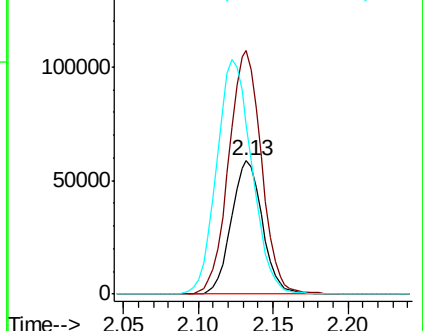
63 127.4 99.8 185.4

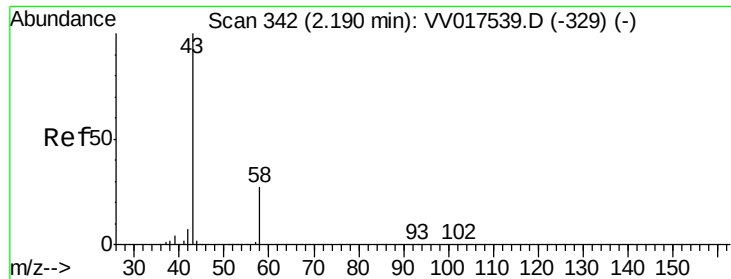


Abundance Ion 96.00 (95.70 to 96.70): VV017558.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV017558.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017558.D (-230) (-)





#13

Acetone

Concen: 69.461 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

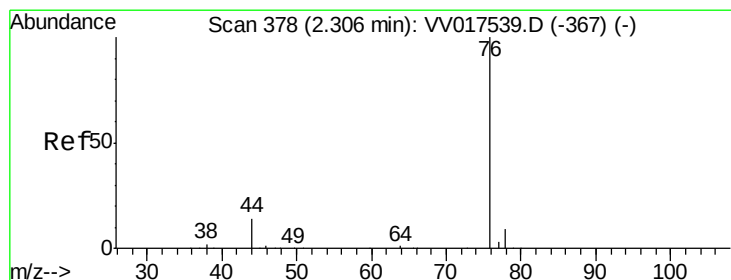
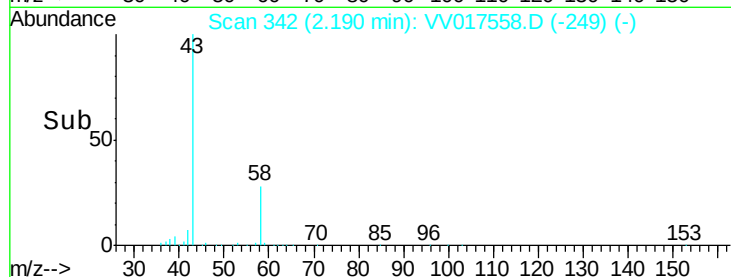
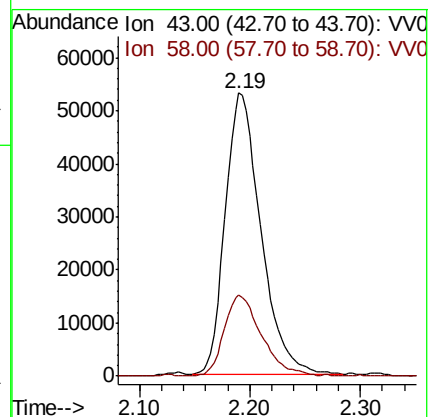
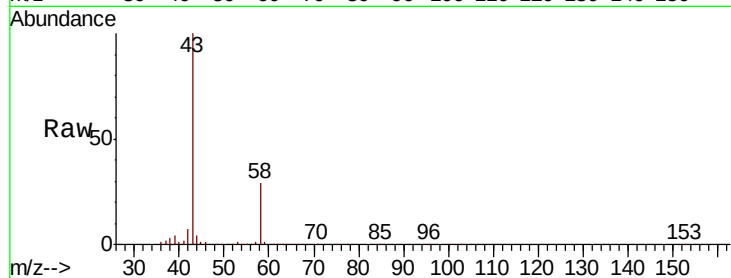
VSTD05085

Tot Ion: 43 Resp: 119048

Ion Ratio Lower Upper

43 100

58 30.1 0.0 56.0



#14

Carbon disulfide

Concen: 41.610 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017558.D

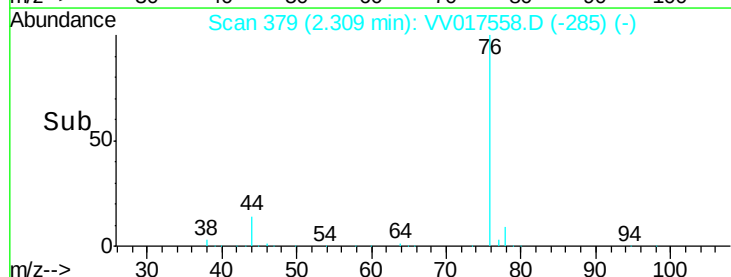
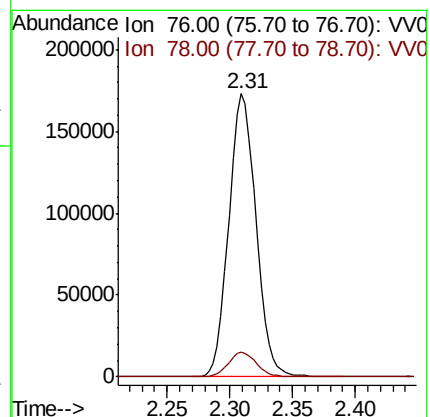
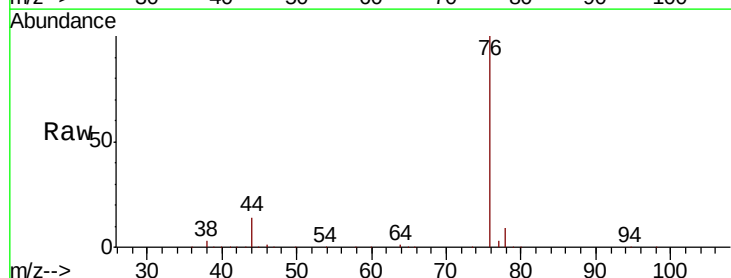
Acq: 20 Jul 2020 20:57

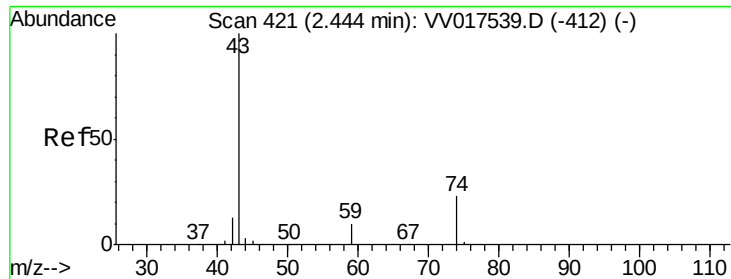
Tgt Ion: 76 Resp: 261201

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

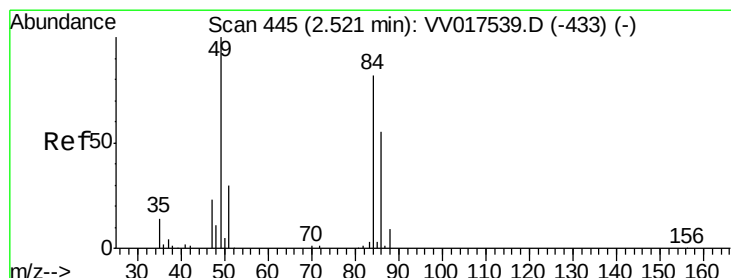
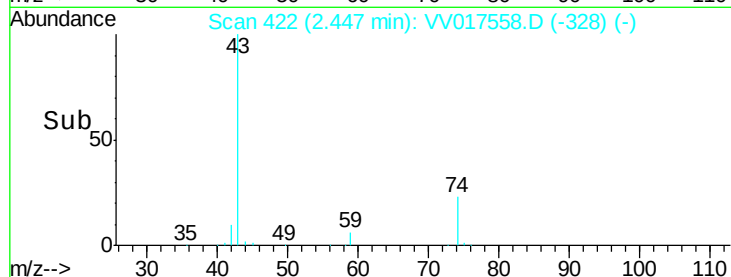
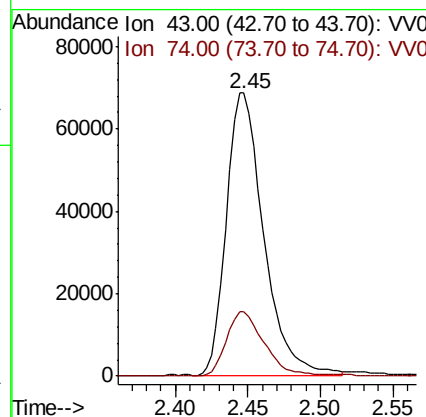
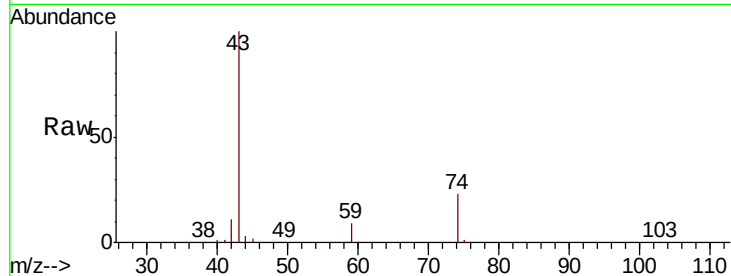




#15
Methvl Acetate
Concen: 49.590 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV017558.D
Acq: 20 Jul 2020 20:57

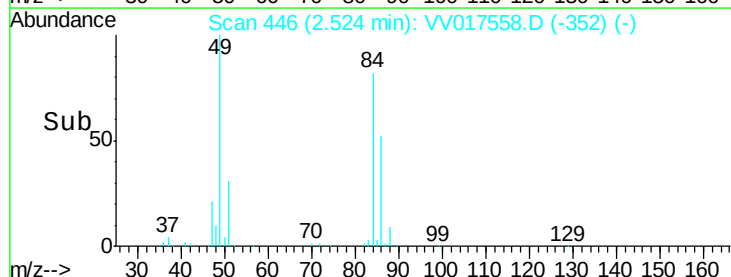
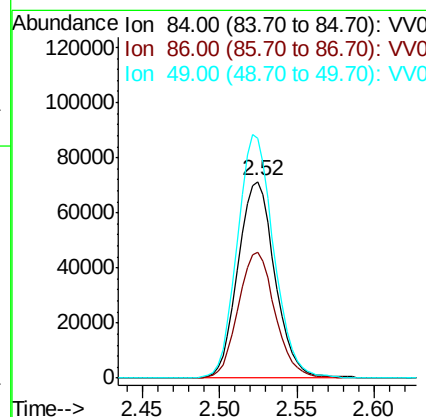
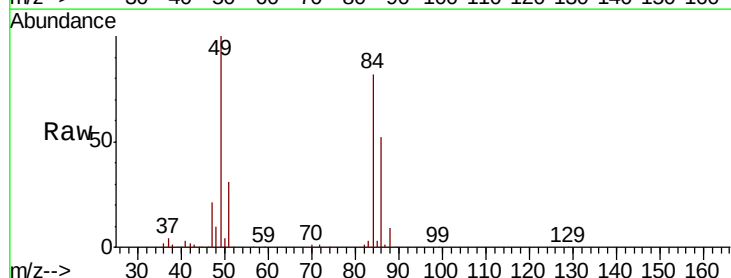
Instrument :
MSVOA_V
ClientSampleId :
VSTD05085

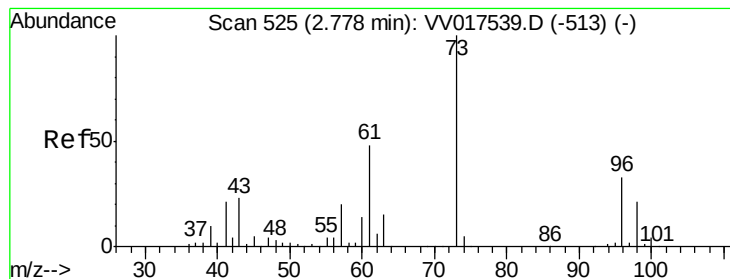
Tot Ion: 43 Resp: 122054
Ion Ratio Lower Upper
43 100
74 23.3 20.3 30.5



#16
Methylene chloride
Concen: 45.725 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017558.D
Acq: 20 Jul 2020 20:57

Tgt Ion: 84 Resp: 118606
Ion Ratio Lower Upper
84 100
86 63.6 47.1 87.5
49 121.7 85.8 159.4





#17

trans-1,2-Dichloroethene

Concen: 47.189 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05085

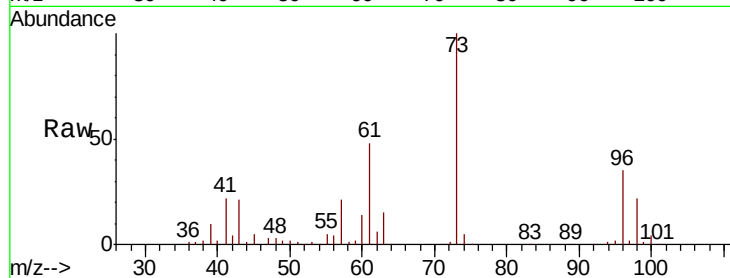
Tot Ion: 96 Resp: 105591

Ion Ratio Lower Upper

96 100

61 135.0 100.4 186.6

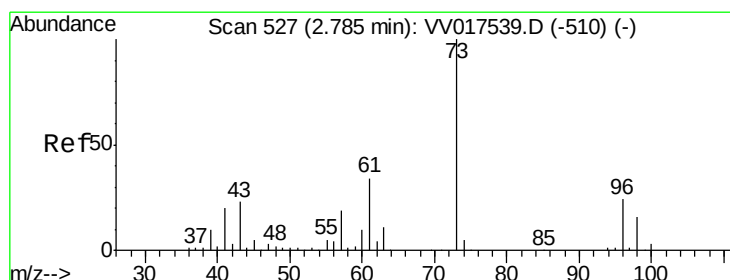
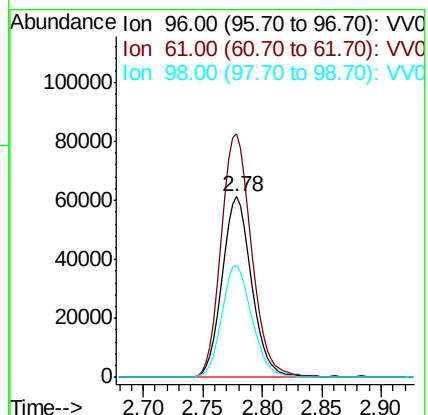
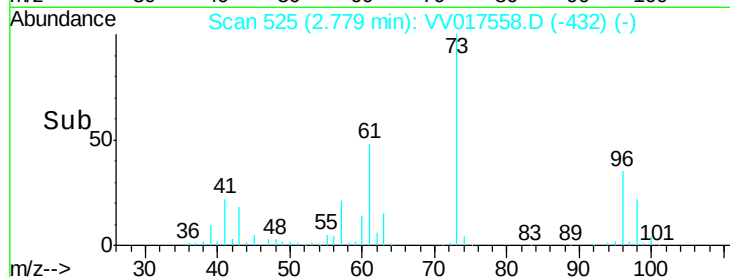
98 62.2 44.8 83.2



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: 47.831 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

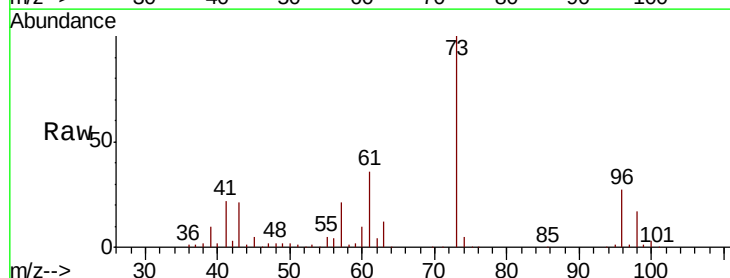
Tgt Ion: 73 Resp: 385562

Ion Ratio Lower Upper

73 100

43 21.7 18.1 27.1

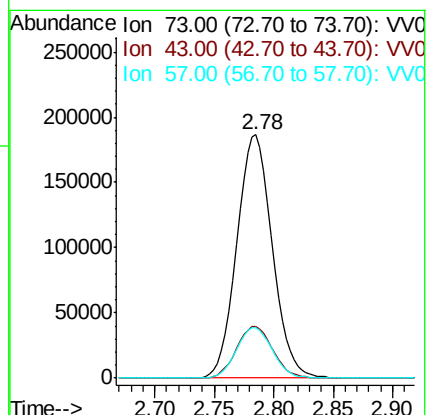
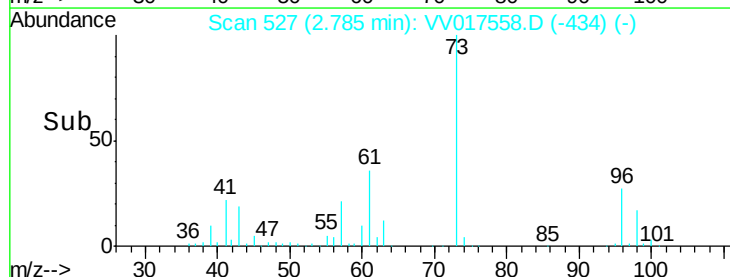
57 21.2 15.8 23.8

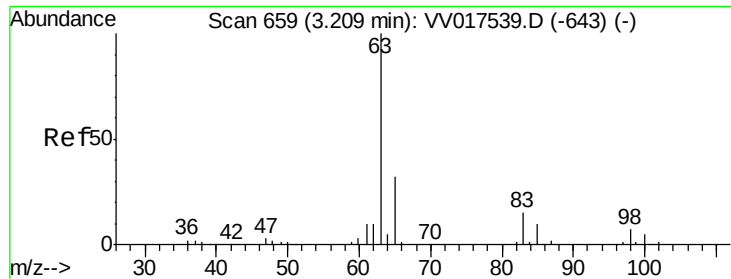


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

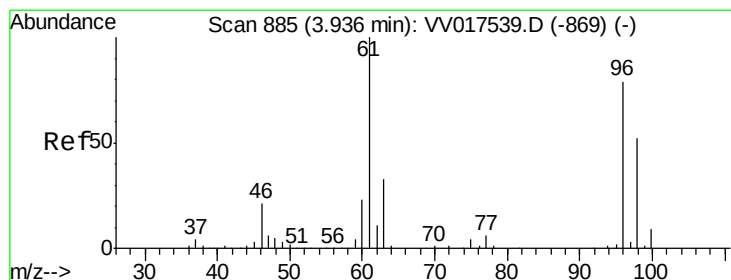
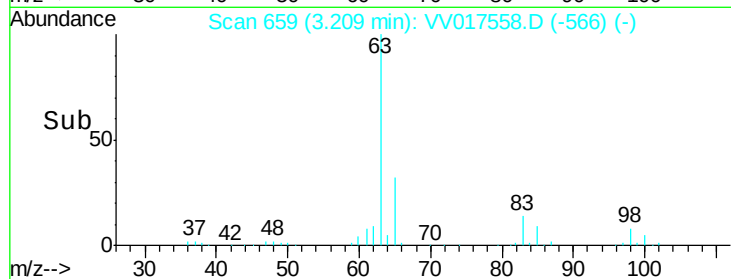
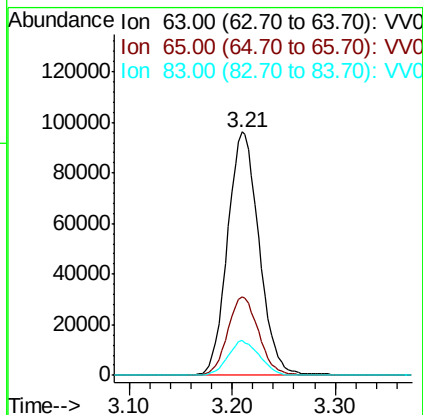
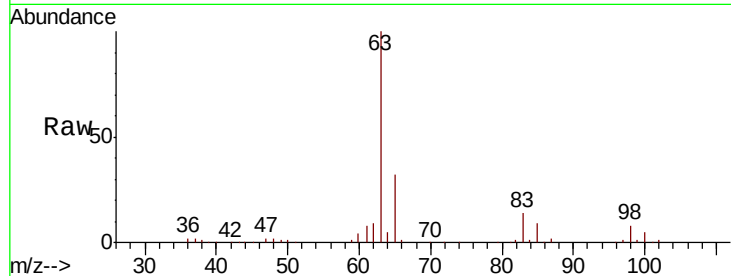




#19
 1,1-Dichloroethane
 Concen: 49.030 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017558.D
 Acq: 20 Jul 2020 20:57

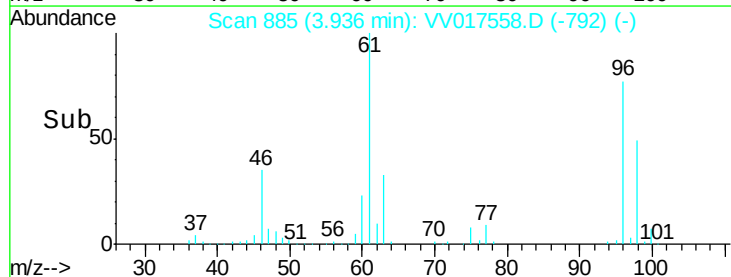
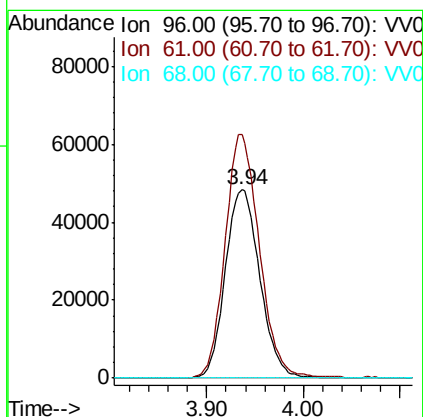
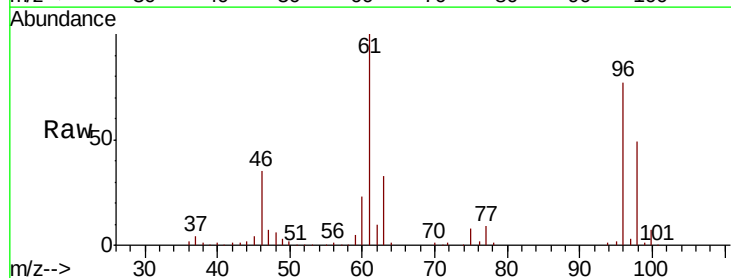
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05085

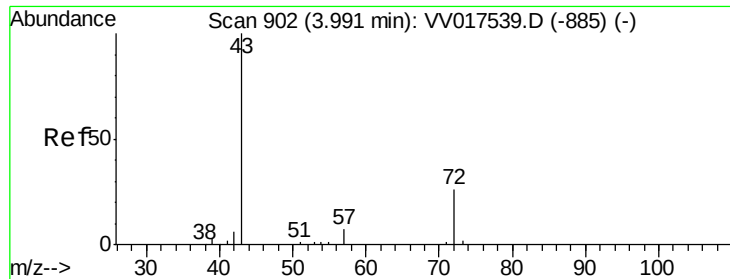
Tot Ion: 63 Resp: 204941
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.0 41.0
 83 14.1 10.1 18.9



#20
 cis-1,2-Dichloroethene
 Concen: 48.955 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017558.D
 Acq: 20 Jul 2020 20:57

Tgt Ion: 96 Resp: 120185
 Ion Ratio Lower Upper
 96 100
 61 129.3 88.5 164.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 105.615 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

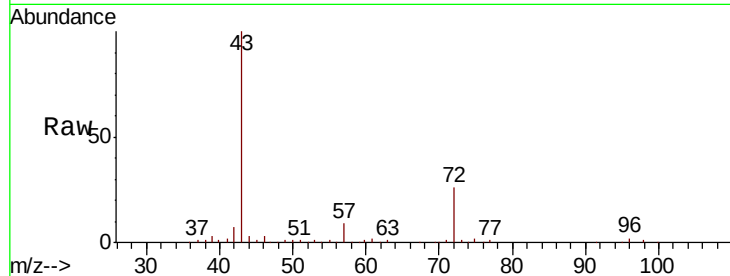
VSTD05085

Tot Ion: 43 Resp: 165192

Ion Ratio Lower Upper

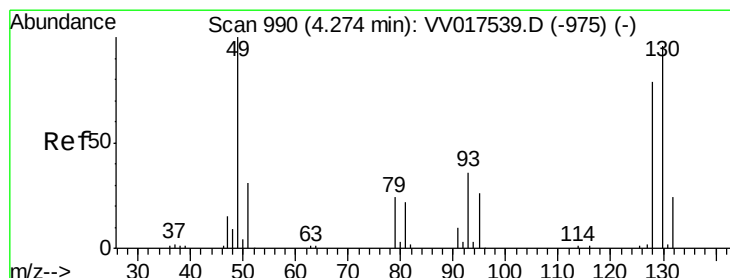
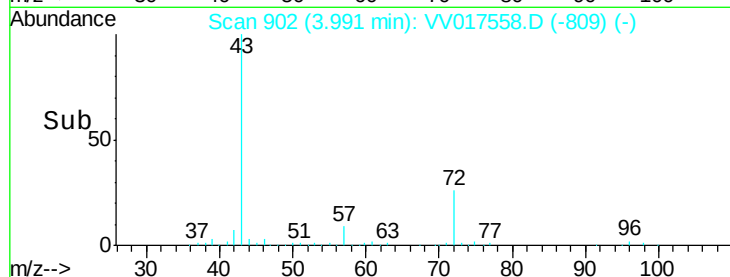
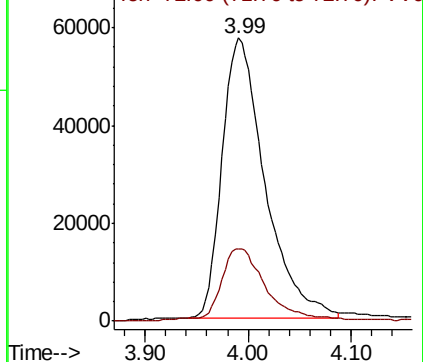
43 100

72 24.7 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV017539.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV017539.D (-885) (-)



#23

Bromochloromethane

Concen: 49.039 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

Tgt Ion:128 Resp: 67436

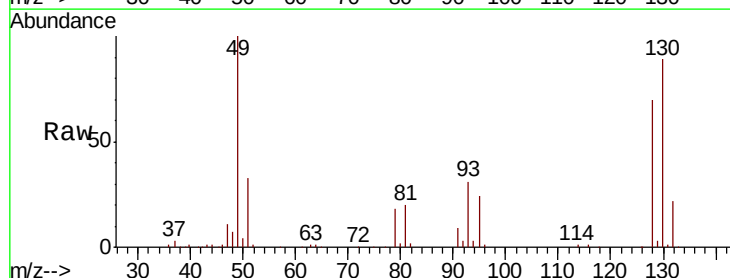
Ion Ratio Lower Upper

128 100

49 142.4 89.3 165.9

130 126.8 84.9 157.7

51 46.3 31.9 47.9

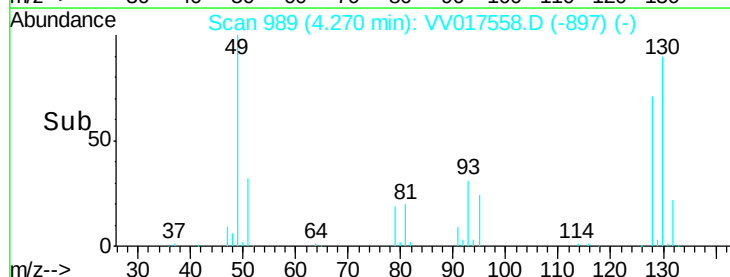
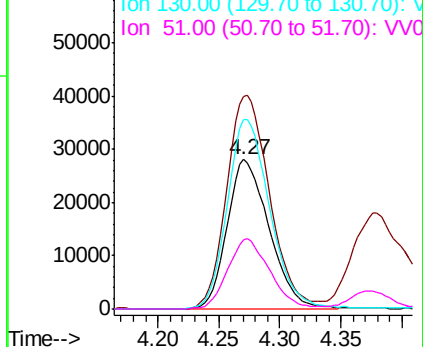


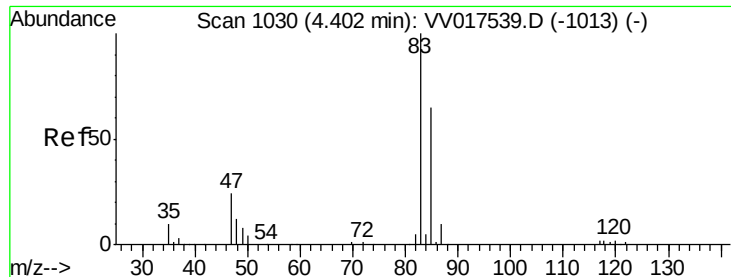
Abundance Ion 128.00 (127.70 to 128.70): VV017539.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV017539.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV017539.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV017539.D (-975) (-)

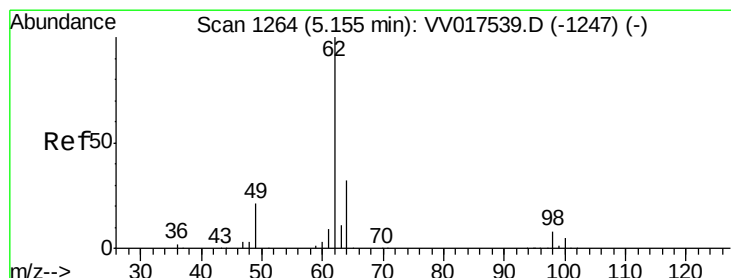
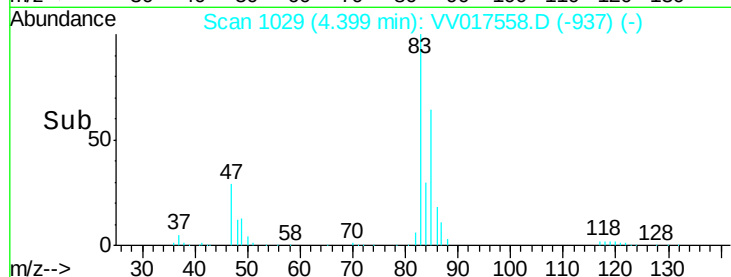
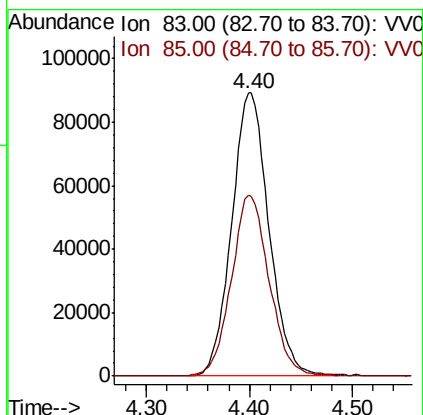
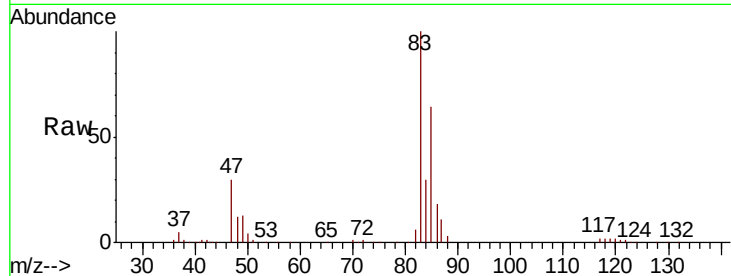




#25
Chloroform
Concen: 47.804 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017558.D
Acq: 20 Jul 2020 20:57

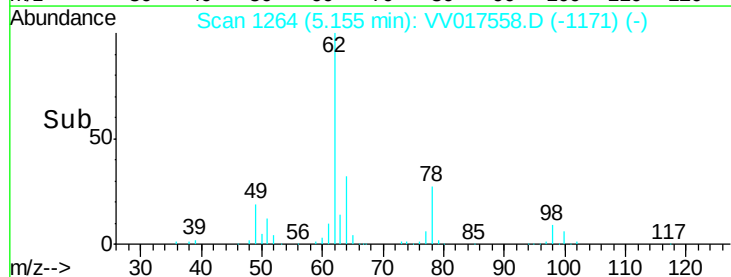
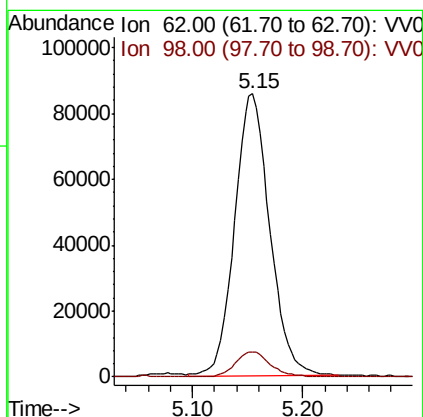
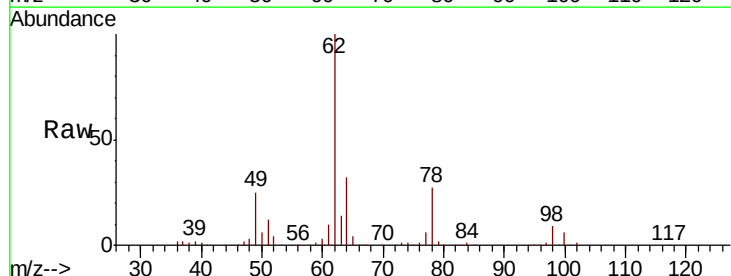
Instrument :
MSVOA_V
ClientSampleId :
VSTD05085

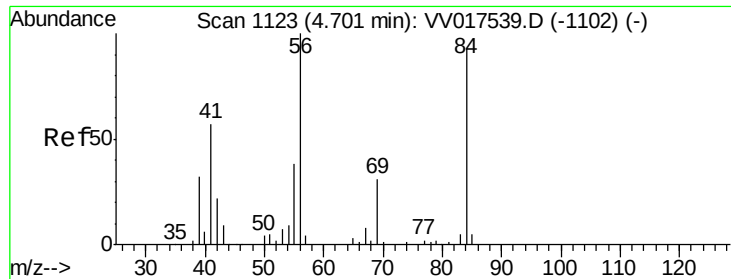
Tot Ion: 83 Resp: 224021
Ion Ratio Lower Upper
83 100
85 64.1 46.1 85.7



#27
1,2-Dichloroethane
Concen: 46.914 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017558.D
Acq: 20 Jul 2020 20:57

Tgt Ion: 62 Resp: 188820
Ion Ratio Lower Upper
62 100
98 9.0 6.2 9.4

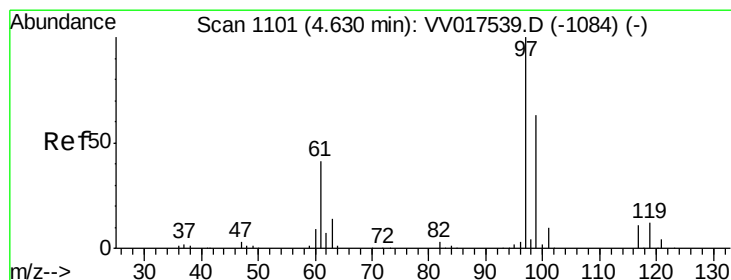
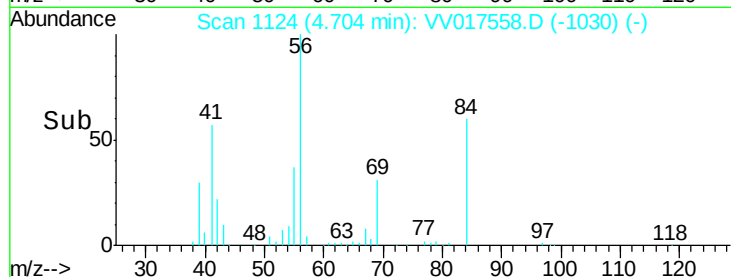
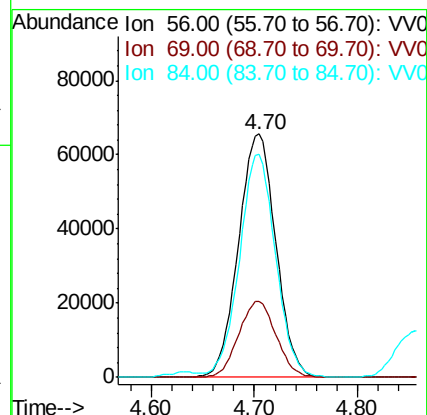
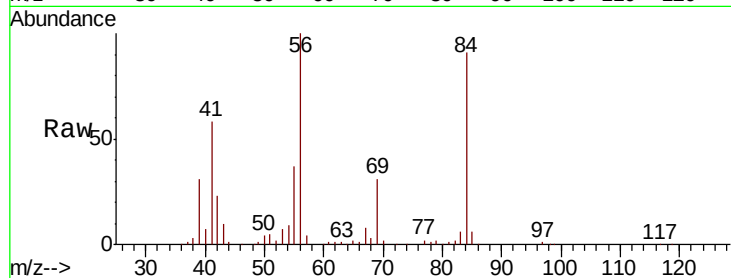




#29
Cyclohexane
Concen: 52.283 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV017558.D
Acq: 20 Jul 2020 20:57

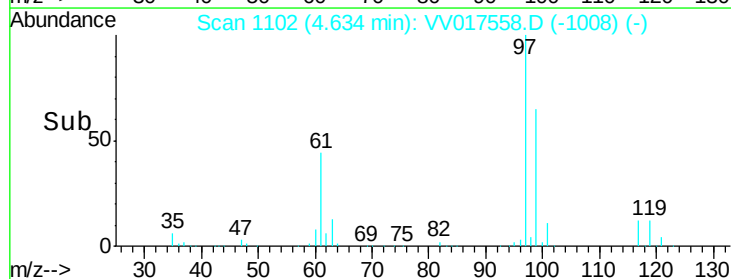
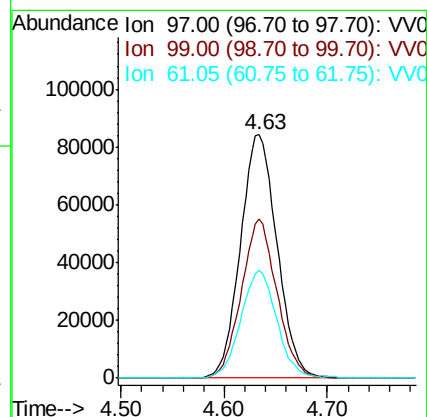
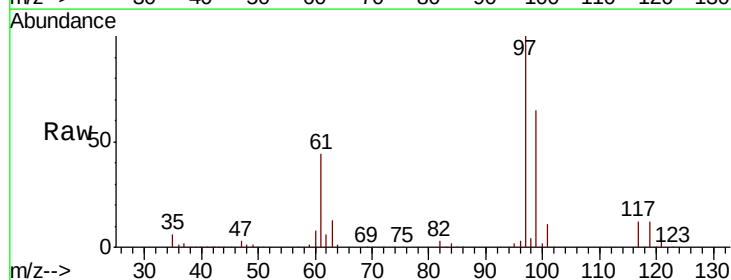
Instrument :
MSVOA_V
ClientSampleId :
VSTD05085

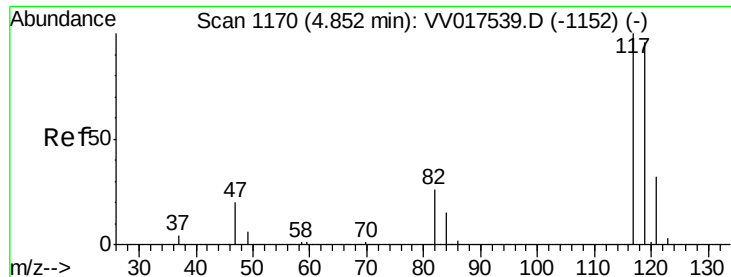
Tot Ion: 56 Resp: 165513
Ion Ratio Lower Upper
56 100
69 31.3 0.0 0.0#
84 88.1 75.1 112.7



#30
1,1,1-Trichloroethane
Concen: 46.977 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV017558.D
Acq: 20 Jul 2020 20:57

Tgt Ion: 97 Resp: 208061
Ion Ratio Lower Upper
97 100
99 63.5 50.5 75.7
61 43.4 34.1 51.1





#31

Carbon tetrachloride

Concen: 44.828 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

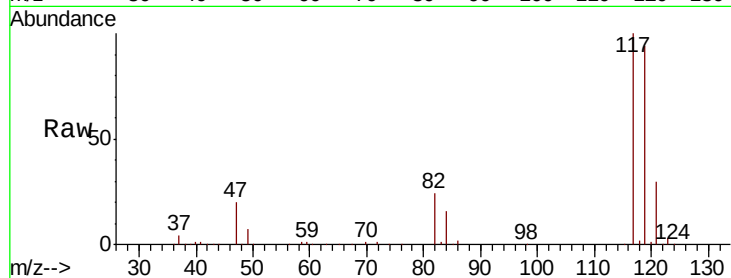
VSTD05085

Tot Ion:117 Resp: 181948

Ion Ratio Lower Upper

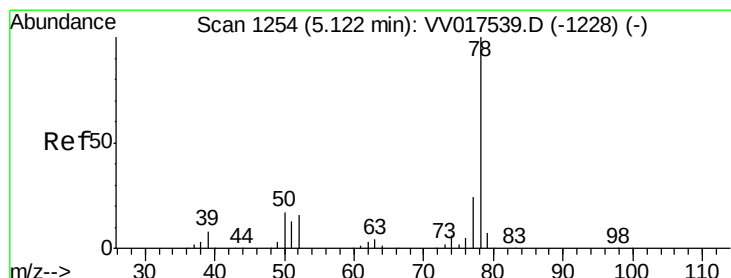
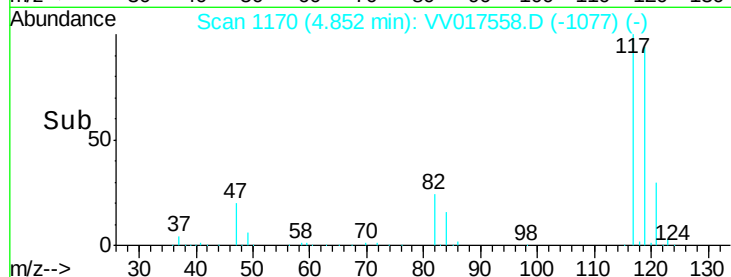
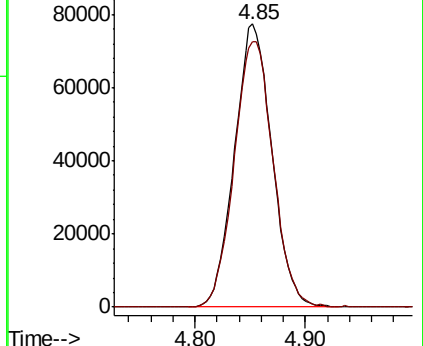
117 100

119 97.1 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.253 ug/L

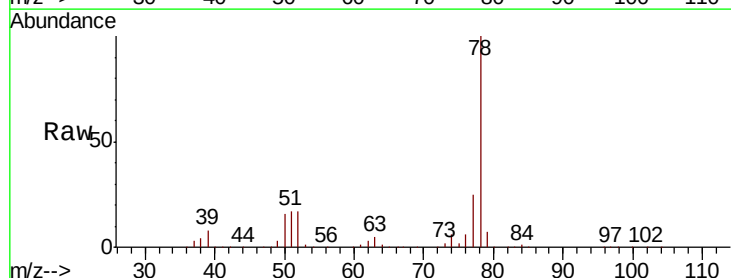
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

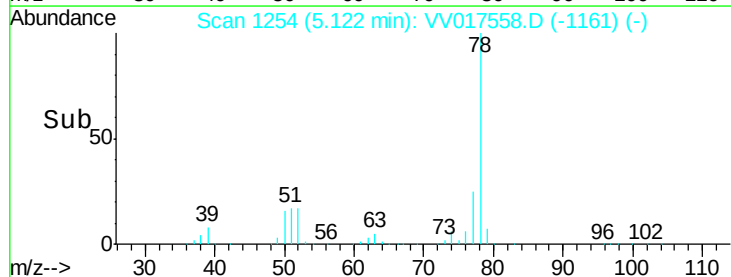
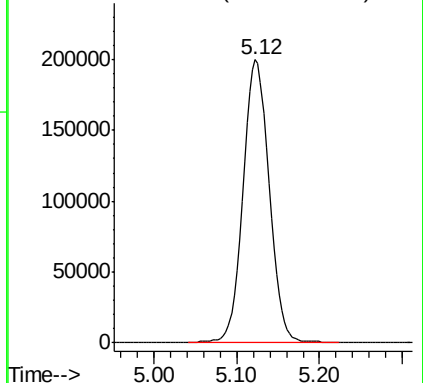
Lab File: VV017558.D

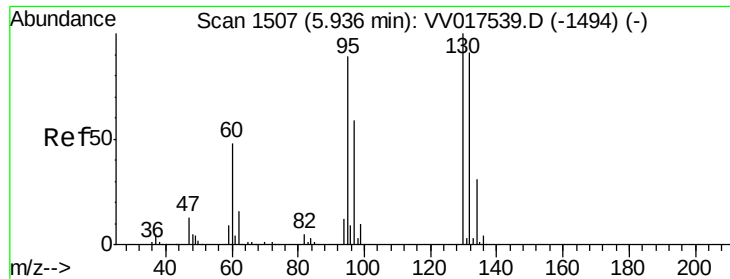
Acq: 20 Jul 2020 20:57

Tgt Ion: 78 Resp: 438733



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 49.782 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05085

Tot Ion: 95 Resp: 117450

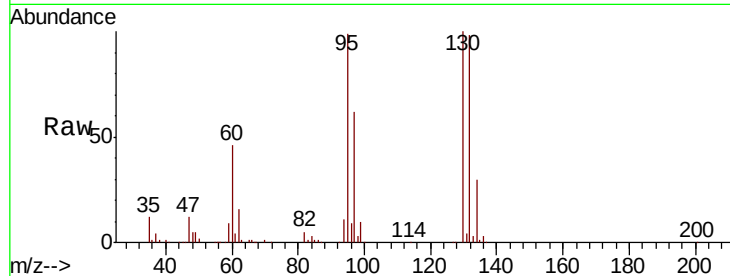
Ion Ratio Lower Upper

95 100

97 62.9 46.1 85.5

132 99.4 71.3 132.3

130 101.4 78.3 145.3



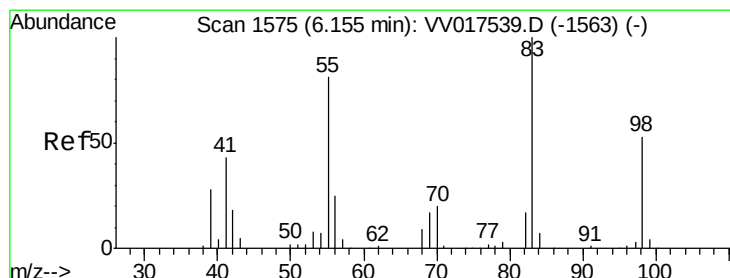
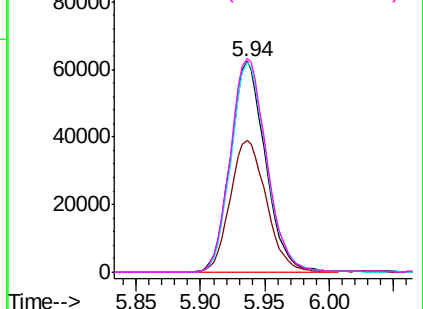
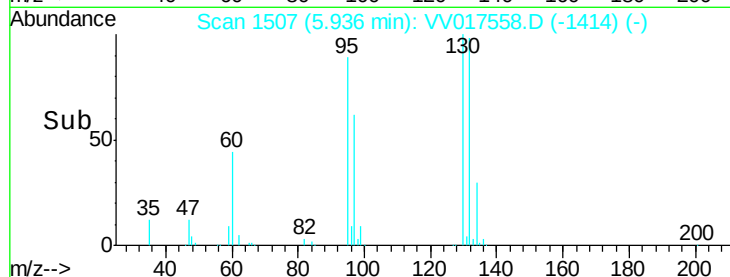
Abundance

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): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 49.841 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

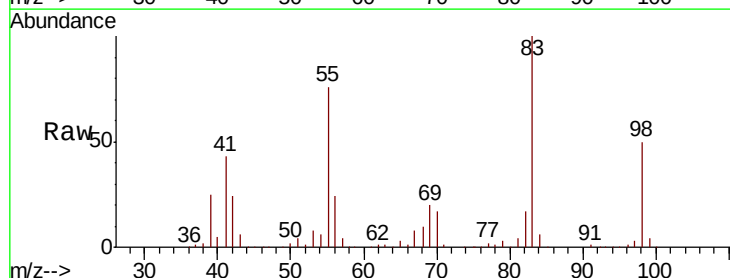
Tgt Ion: 83 Resp: 173447

Ion Ratio Lower Upper

83 100

55 75.7 60.7 91.1

98 50.0 40.8 61.2

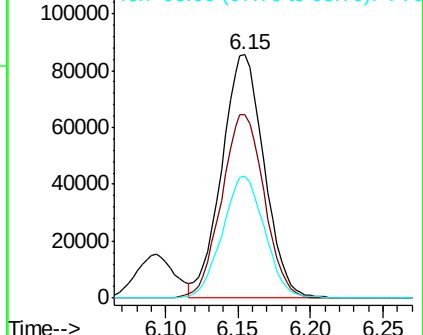
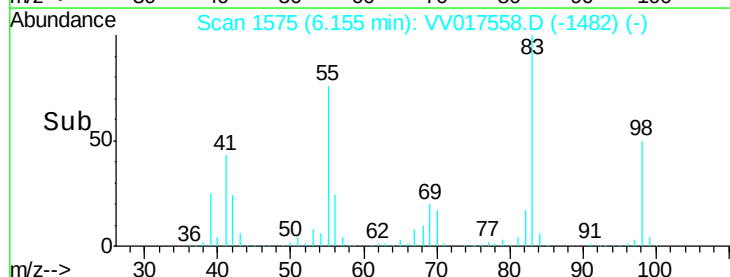


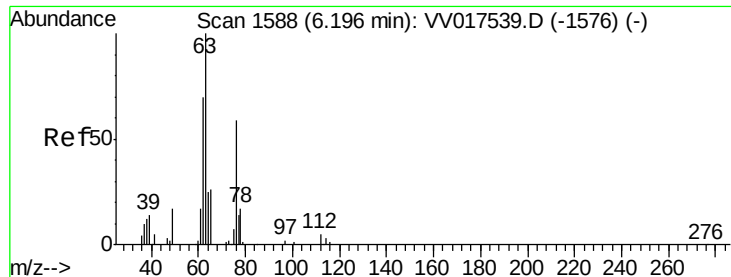
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

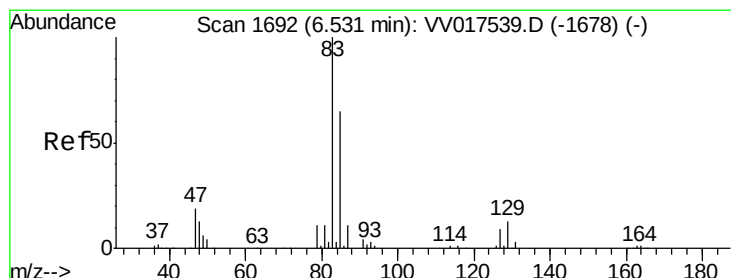
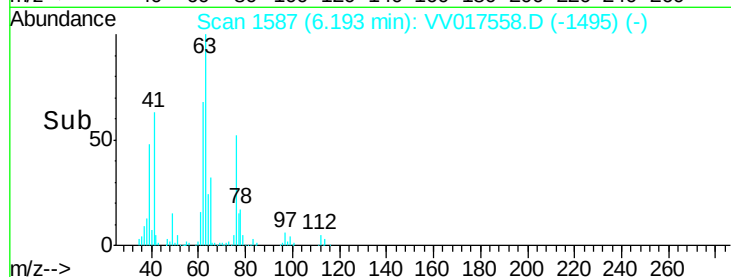
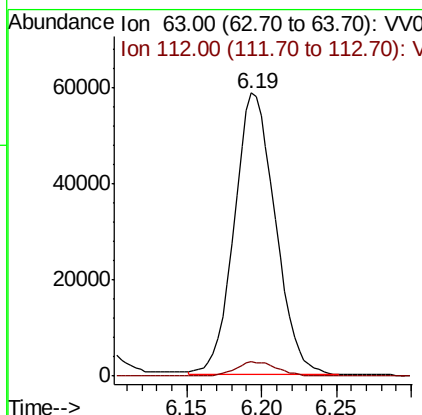
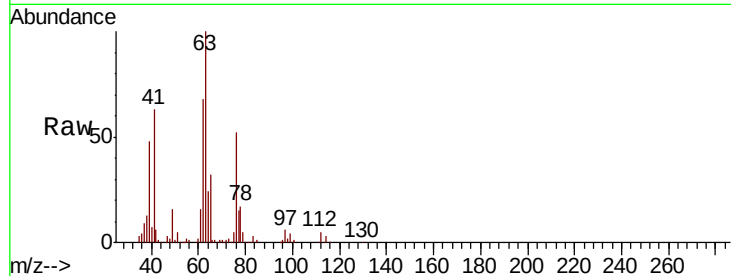




#37
 1,2-Dichloropropane
 Concen: 51.423 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV017558.D
 Acq: 20 Jul 2020 20:57

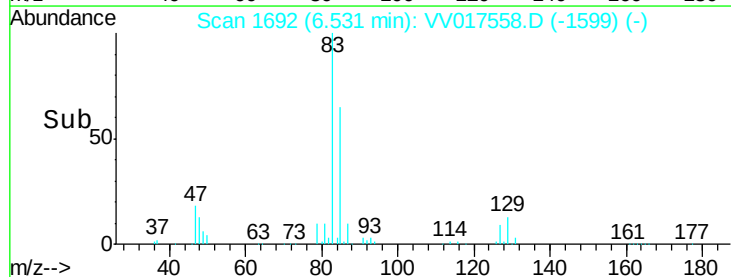
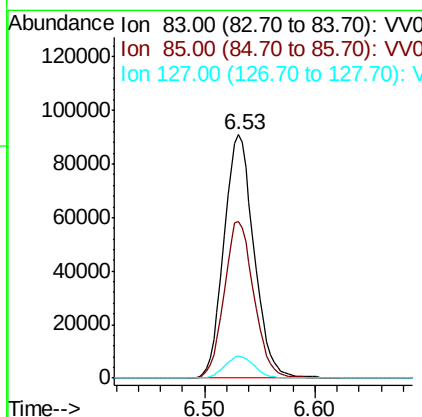
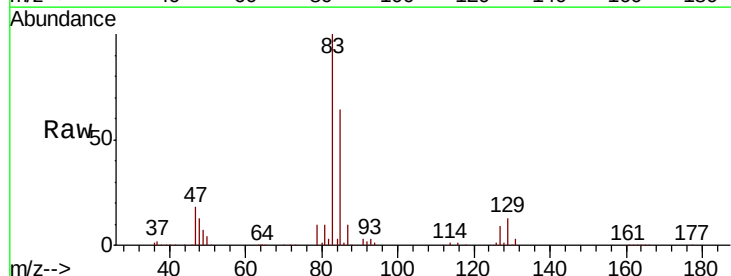
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05085

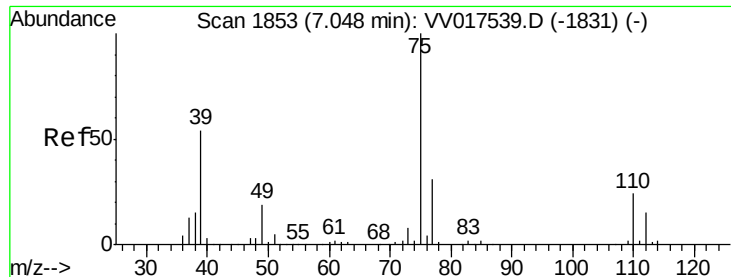
Tot Ion: 63 Resp: 111855
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.5 6.7



#38
 Bromodichloromethane
 Concen: 49.018 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV017558.D
 Acq: 20 Jul 2020 20:57

Tgt Ion: 83 Resp: 172022
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.4 84.4
 127 8.9 7.6 11.4

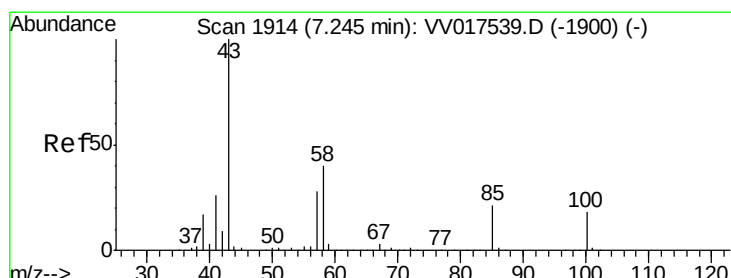
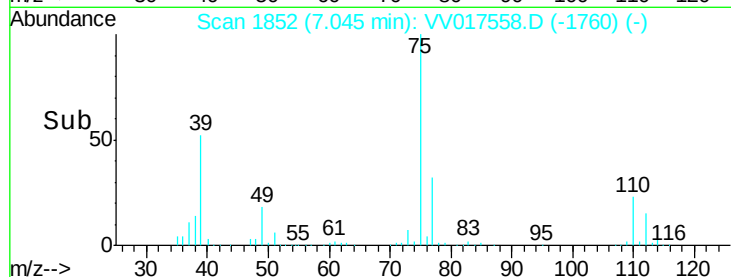
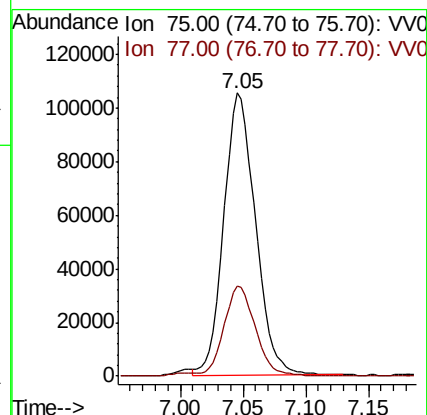
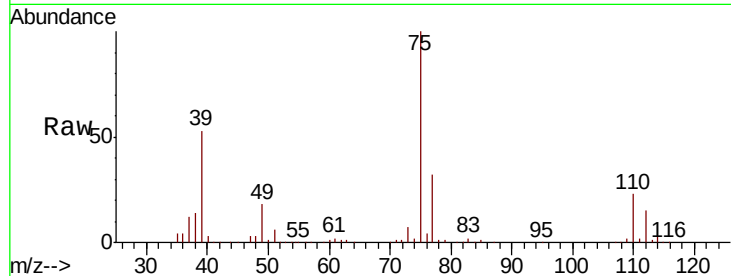




#39
 cis-1,3-Dichloropropene
 Concen: 50.479 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV017558.D
 Acq: 20 Jul 2020 20:57

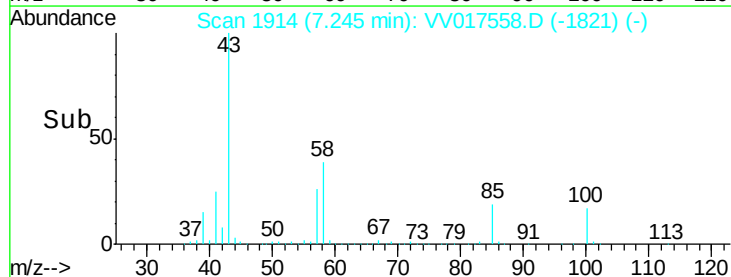
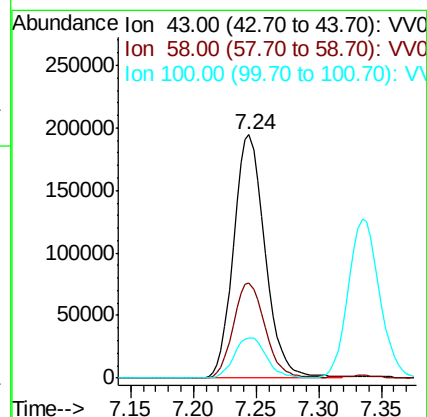
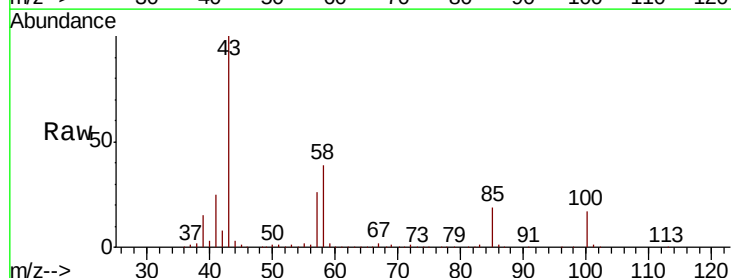
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05085

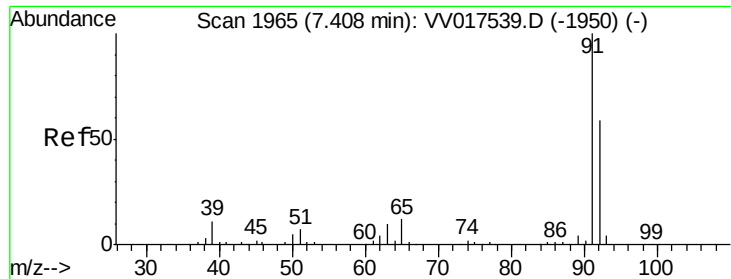
Tot Ion: 75 Resp: 185460
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 112.400 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV017558.D
 Acq: 20 Jul 2020 20:57

Tgt Ion: 43 Resp: 339234
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.8 47.6
 100 17.1 14.6 21.8





#42

Toluene

Concen: 50.755 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

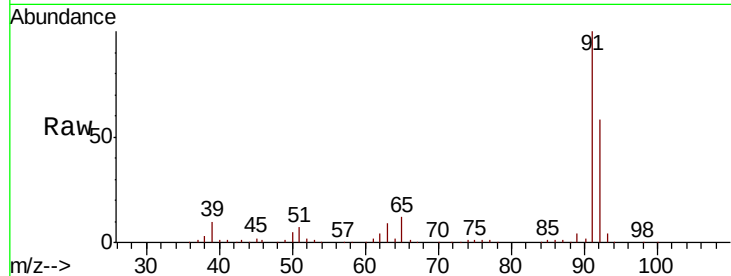
VSTD05085

Tot Ion: 91 Resp: 480041

Ion Ratio Lower Upper

91 100

92 57.7 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV017539.D (-1950) (-)

Ion 92.00 (91.70 to 92.70): VV017539.D (-1950) (-)

7.41

300000

250000

200000

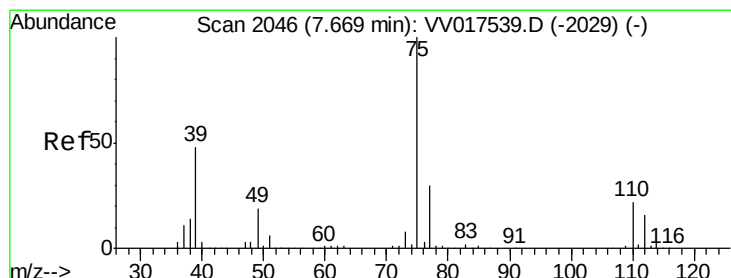
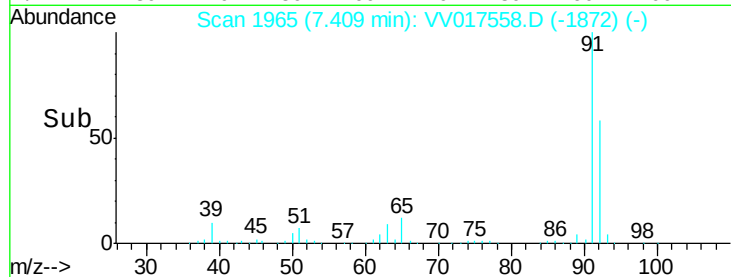
150000

100000

50000

0

Time--> 7.30 7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 49.540 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV017558.D

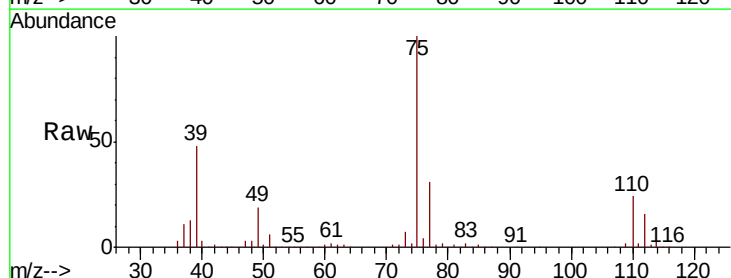
Acq: 20 Jul 2020 20:57

Tgt Ion: 75 Resp: 191889

Ion Ratio Lower Upper

75 100

77 31.2 21.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV017539.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV017539.D (-2029) (-)

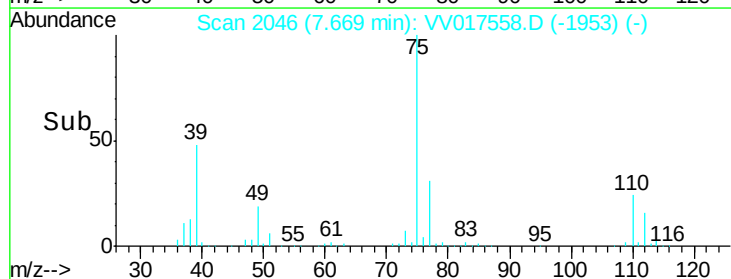
7.67

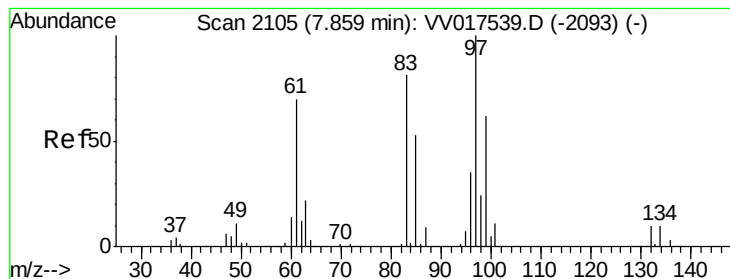
100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75





#45

1,1,2-Trichloroethane

Concen: 50.598 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05085

Tot Ion: 97 Resp: 119817

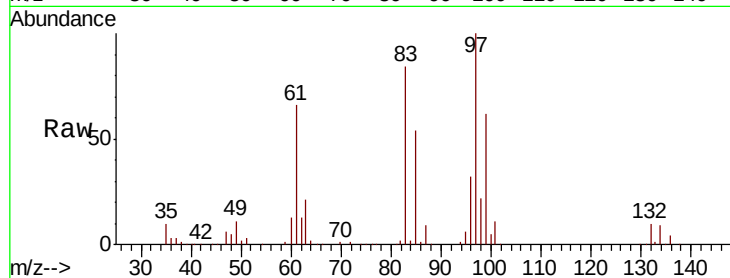
Ion Ratio Lower Upper

97 100

99 61.7 43.4 80.6

83 84.1 56.9 105.7

85 53.7 36.9 68.5

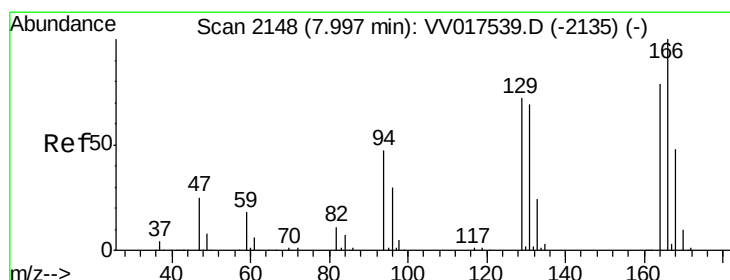
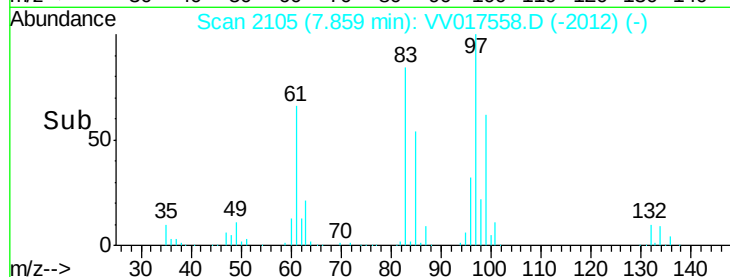
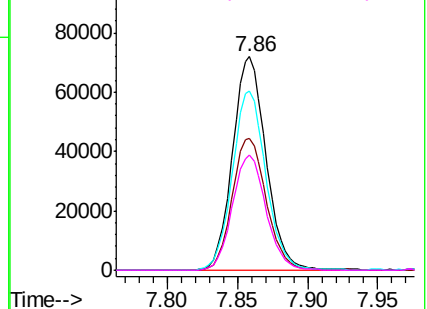


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 48.735 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

Tgt Ion: 164 Resp: 100436

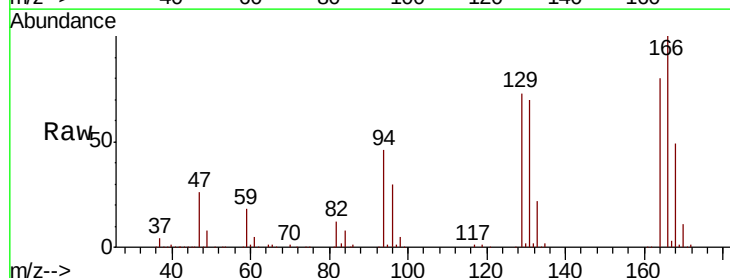
Ion Ratio Lower Upper

164 100

129 91.0 63.6 118.2

131 87.0 61.3 113.9

166 124.9 88.4 164.2

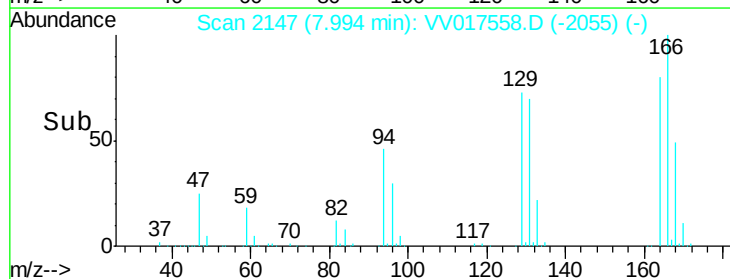
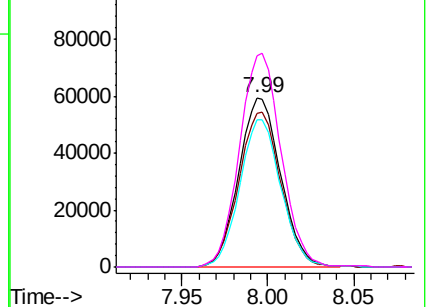


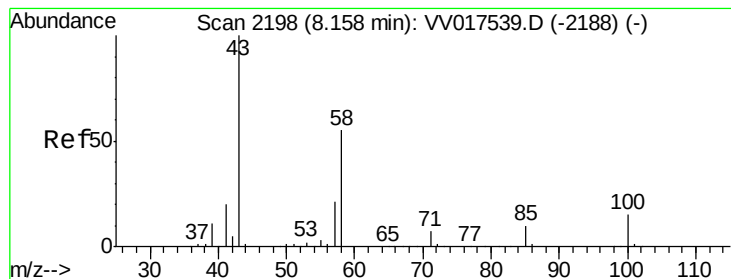
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 108.288 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05085

Tot Ion: 43 Resp: 260923

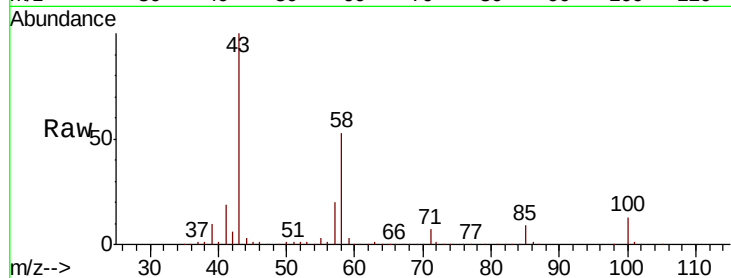
Ion Ratio Lower Upper

43 100

58 53.7 43.3 64.9

57 20.3 17.2 25.8

100 13.3 11.7 17.5

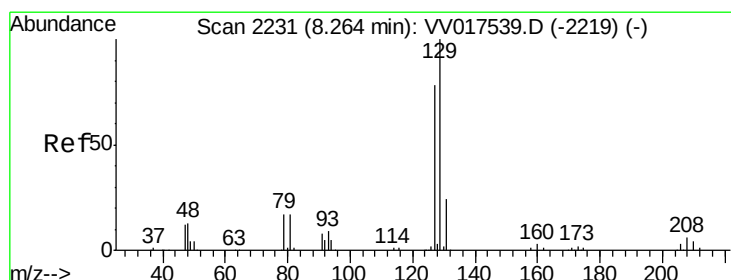
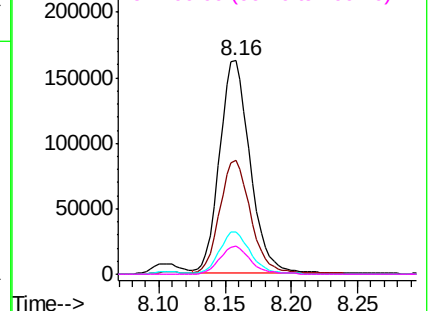
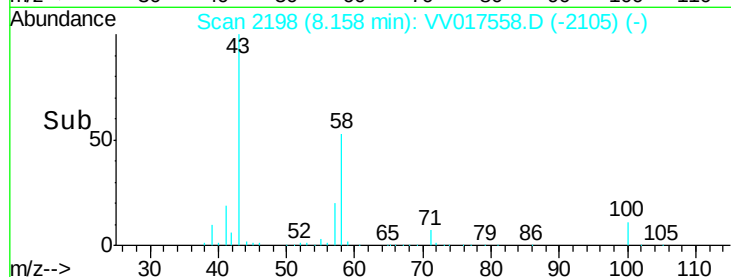


Abundance Ion 43.00 (42.70 to 43.70): VV017558.D (-2105) (-)

Ion 58.00 (57.70 to 58.70): VV017558.D (-2105) (-)

Ion 57.00 (56.70 to 57.70): VV017558.D (-2105) (-)

Ion 100.00 (99.70 to 100.70): VV017558.D (-2105) (-)



#49

Dibromochloromethane

Concen: 48.707 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV017558.D

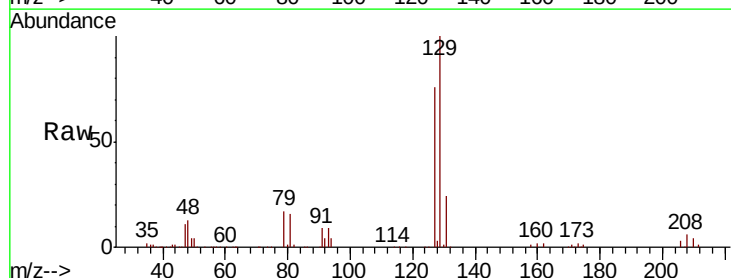
Acq: 20 Jul 2020 20:57

Tgt Ion: 129 Resp: 145447

Ion Ratio Lower Upper

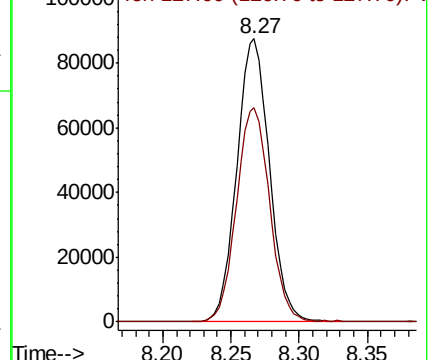
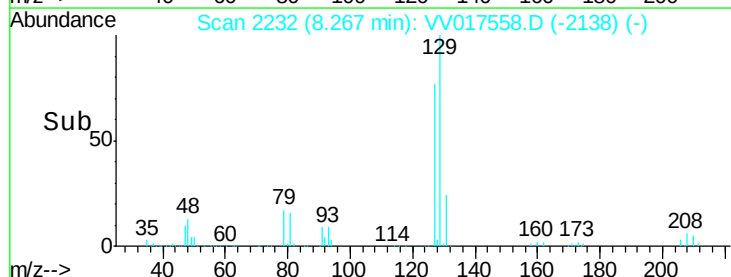
129 100

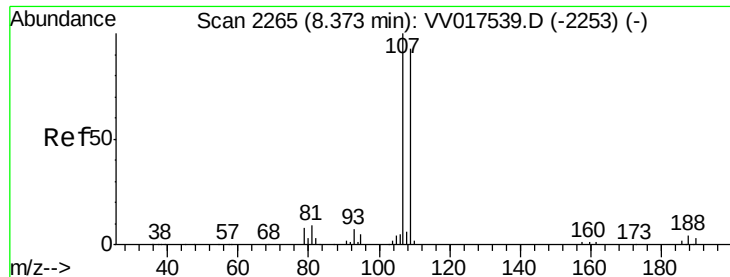
127 75.8 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): VV017558.D (-2138) (-)

Ion 127.00 (126.70 to 127.70): VV017558.D (-2138) (-)

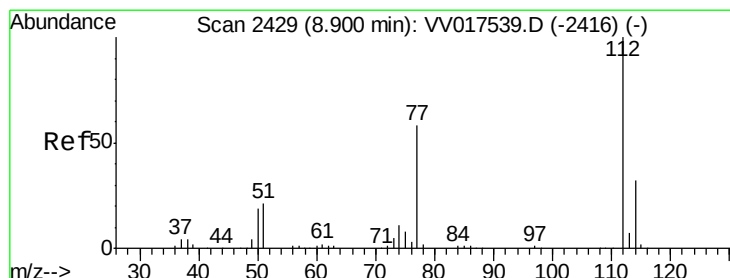
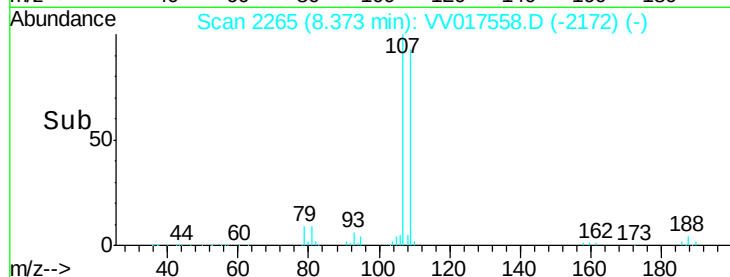
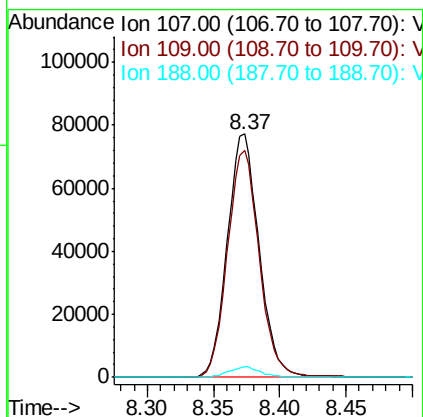
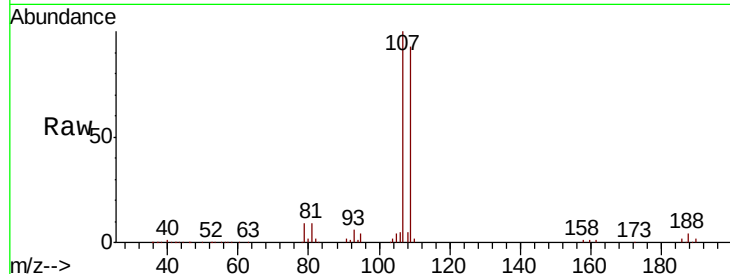




#50
1,2-Dibromoethane
Concen: 48.718 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017558.D
Acq: 20 Jul 2020 20:57

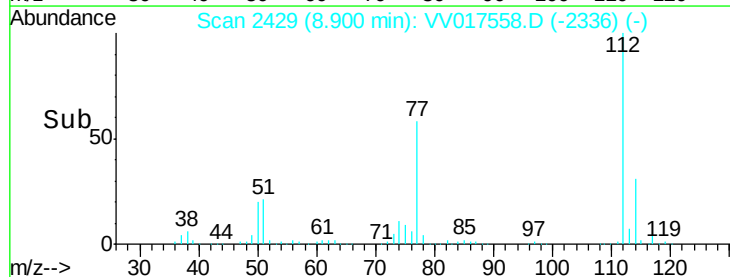
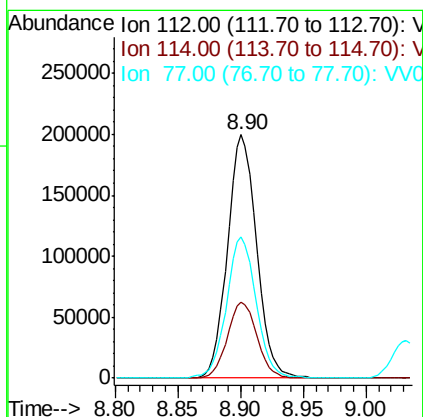
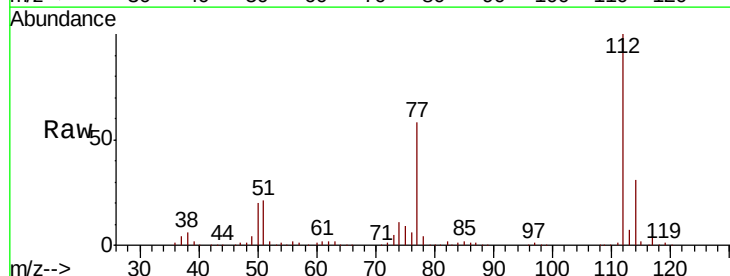
Instrument :
MSVOA_V
ClientSampleId :
VSTD05085

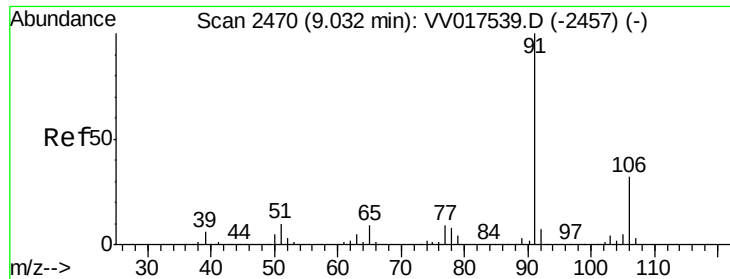
Tot Ion:107 Resp: 128572
Ion Ratio Lower Upper
107 100
109 93.4 65.5 121.7
188 4.4 3.3 4.9



#51
Chlorobenzene
Concen: 48.423 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV017558.D
Acq: 20 Jul 2020 20:57

Tgt Ion:112 Resp: 322385
Ion Ratio Lower Upper
112 100
114 31.0 22.7 42.1
77 58.2 46.9 70.3





#52

Ethylbenzene

Concen: 48.729 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

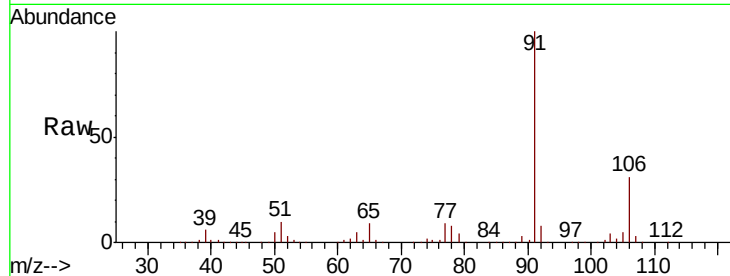
VSTD05085

Tot Ion: 91 Resp: 543350

Ion Ratio Lower Upper

91 100

106 30.8 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VV017539.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV017539.D (-2457) (-)

9.03

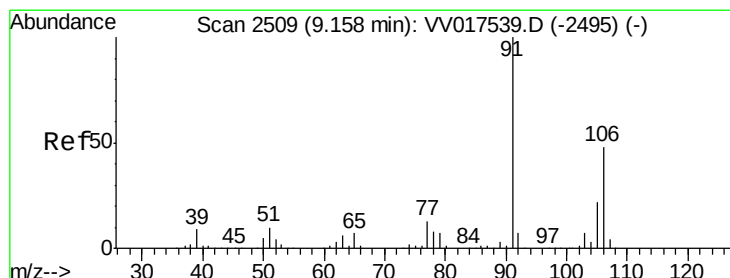
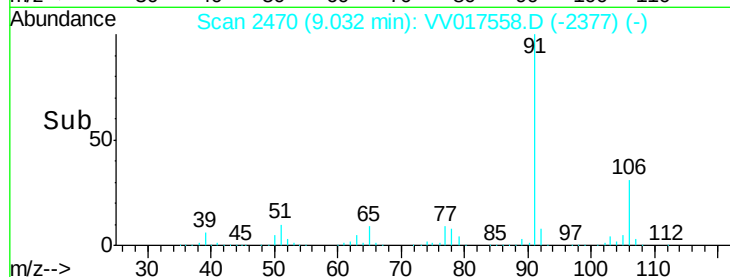
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 49.307 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017558.D

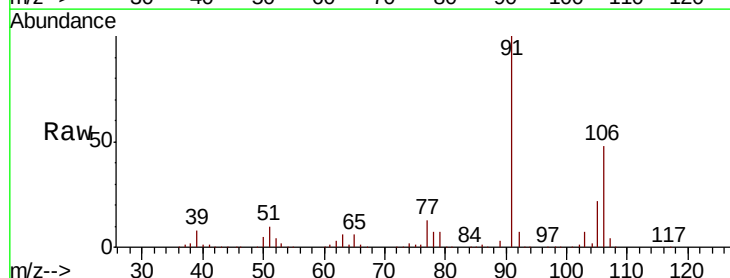
Acq: 20 Jul 2020 20:57

Tgt Ion: 106 Resp: 204396

Ion Ratio Lower Upper

106 100

91 210.0 146.2 271.4



Abundance Ion 106.00 (105.70 to 106.70): VV017539.D (-2495) (-)

Ion 91.00 (90.70 to 91.70): VV017539.D (-2495) (-)

9.16

300000

250000

200000

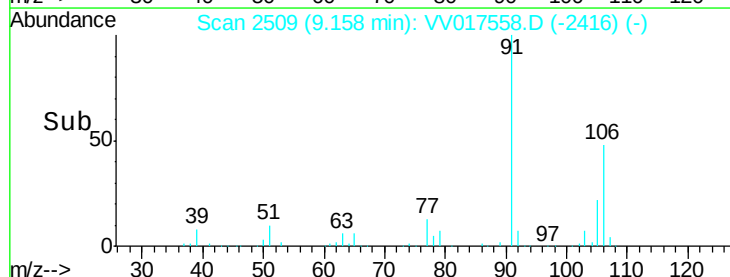
150000

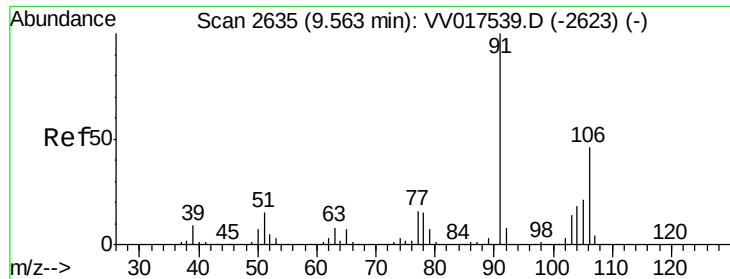
100000

50000

0

Time-->





#54

o-xylene

Concen: 50.850 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

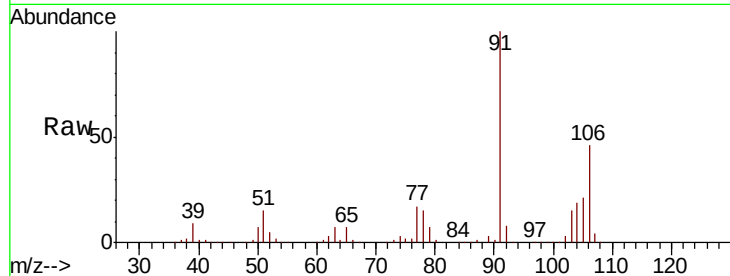
Instrument :
MSVOA_V
ClientSampleId :
VSTD05085

Tot Ion:106 Resp: 205839

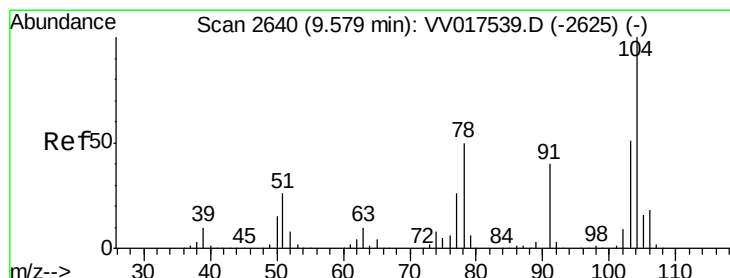
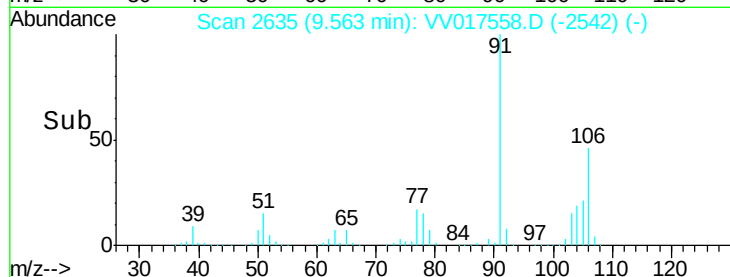
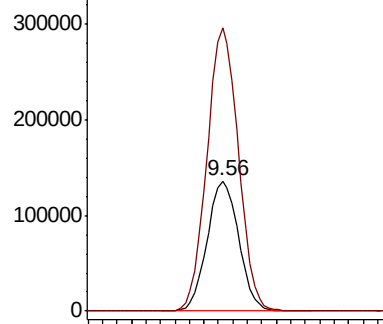
Ion Ratio Lower Upper

106 100

91 218.1 151.6 281.6



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



#55

Styrene

Concen: 51.701 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV017558.D

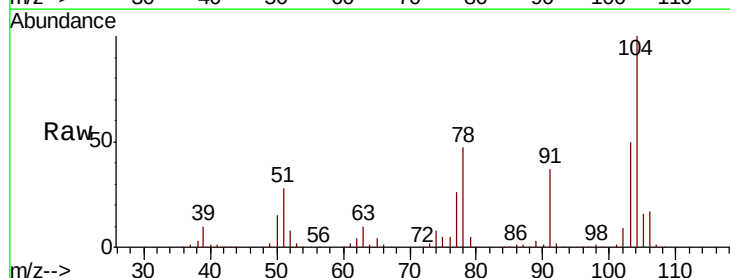
Acq: 20 Jul 2020 20:57

Tgt Ion:104 Resp: 358382

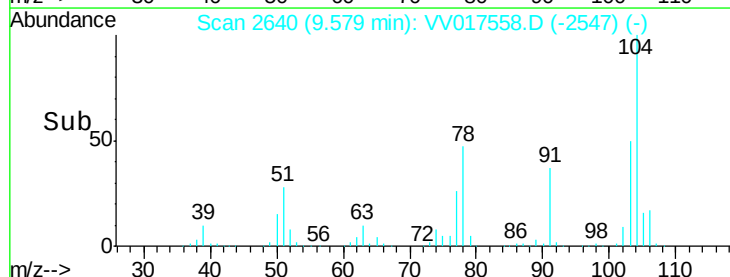
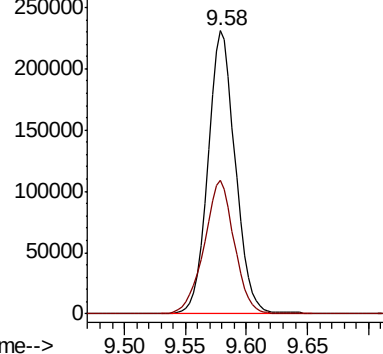
Ion Ratio Lower Upper

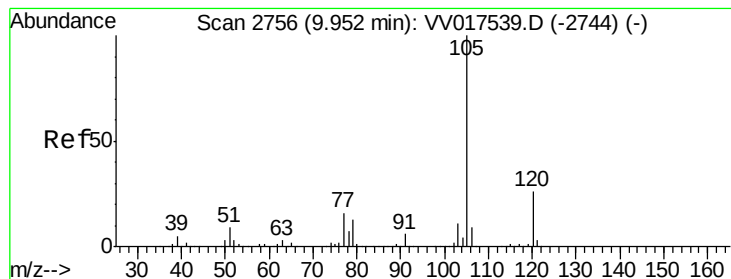
104 100

78 47.3 34.7 64.5



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





#56

Isopropylbenzene

Concen: 50.962 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05085

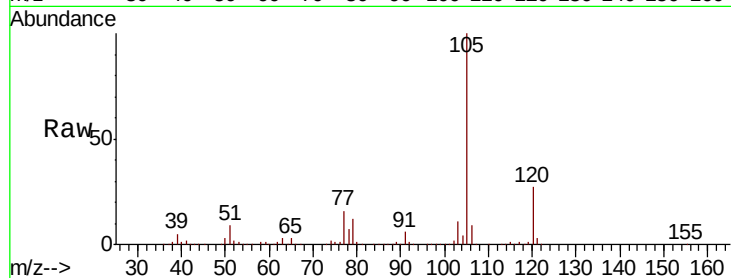
Tot Ion:105 Resp: 556701

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.6

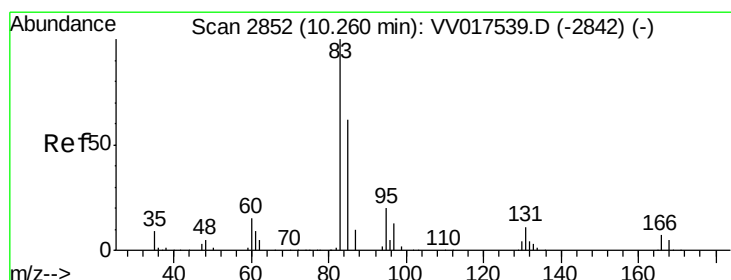
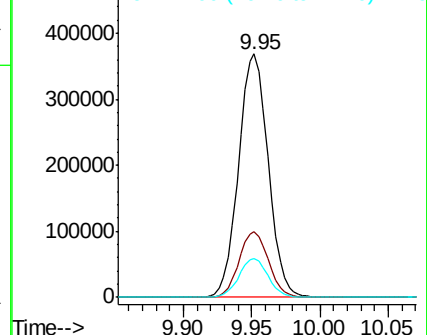
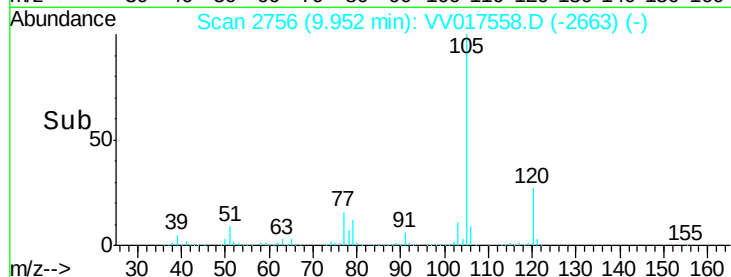
77 15.8 13.3 19.9



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: 53.554 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

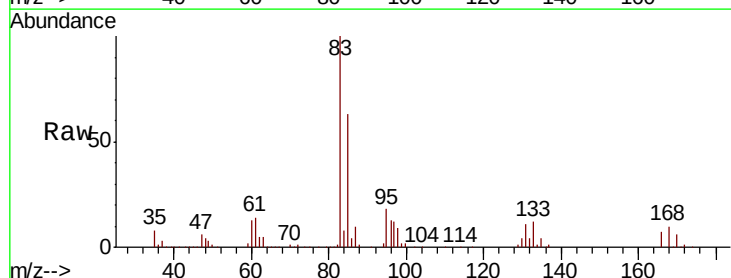
Tgt Ion: 83 Resp: 188836

Ion Ratio Lower Upper

83 100

85 63.2 44.7 82.9

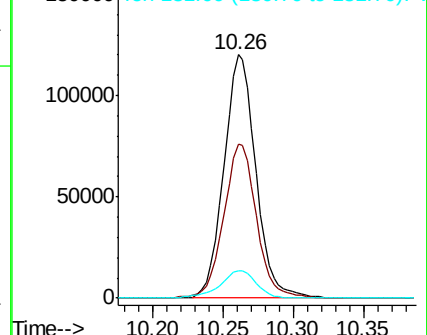
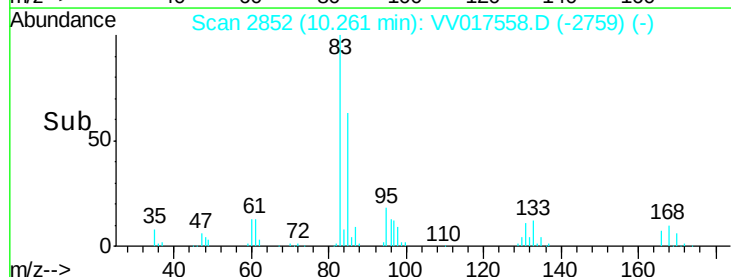
131 11.4 9.4 14.0

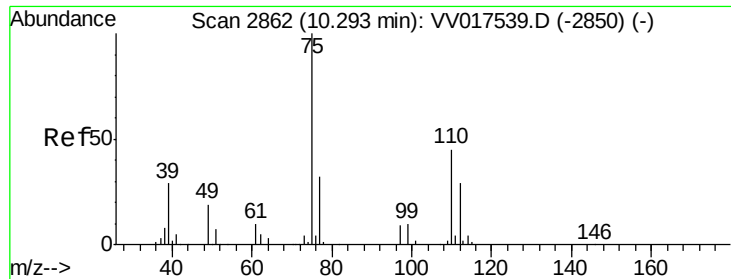


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.893 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

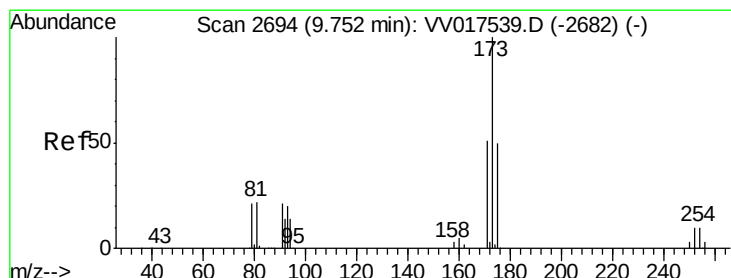
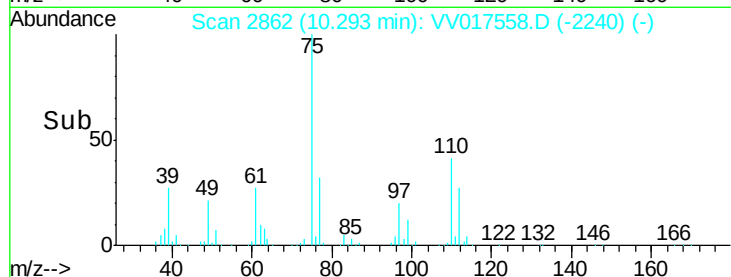
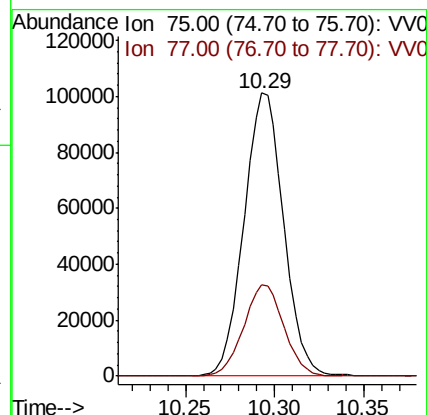
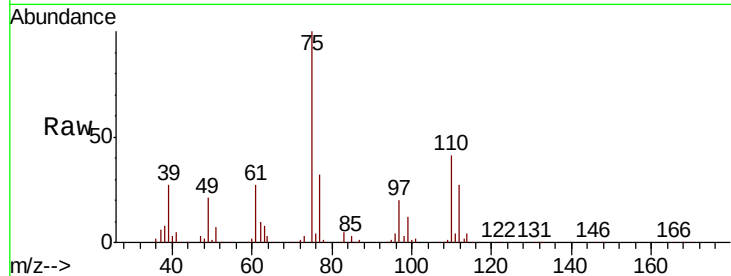
VSTD05085

Tot Ion: 75 Resp: 157010

Ion Ratio Lower Upper

75 100

77 32.8 25.9 38.9



#61

Bromoform

Concen: 48.334 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

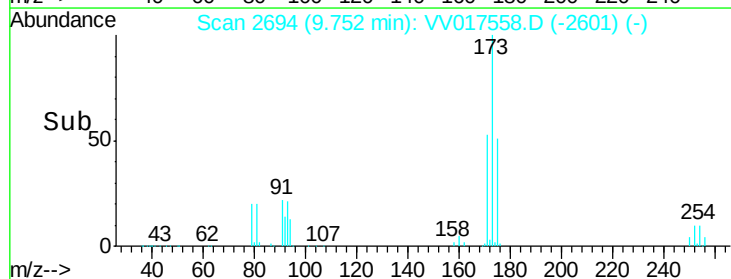
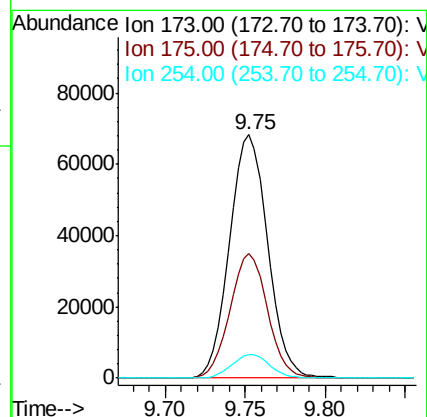
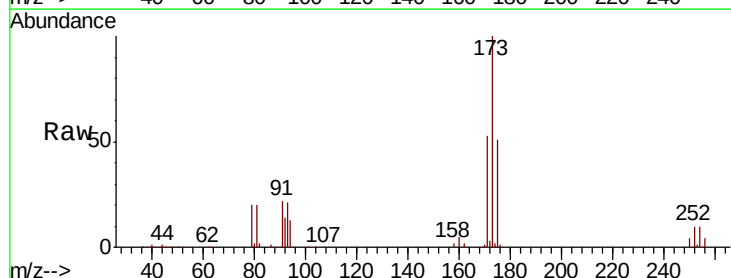
Tgt Ion: 173 Resp: 111377

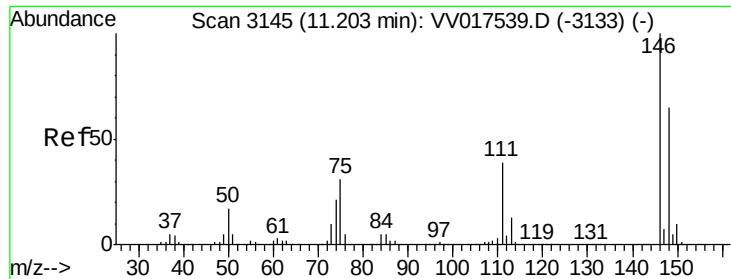
Ion Ratio Lower Upper

173 100

175 50.1 39.4 59.0

254 9.7 8.2 12.4





#62

1,3-Dichlorobenzene

Concen: 48.195 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05085

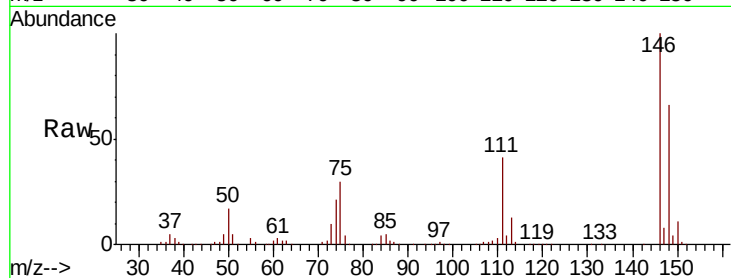
Tot Ion:146 Resp: 273202

Ion Ratio Lower Upper

146 100

111 40.5 27.6 51.2

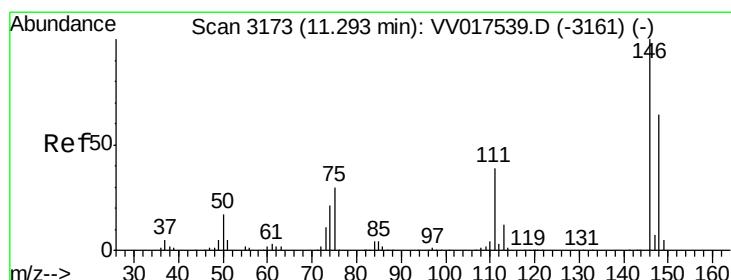
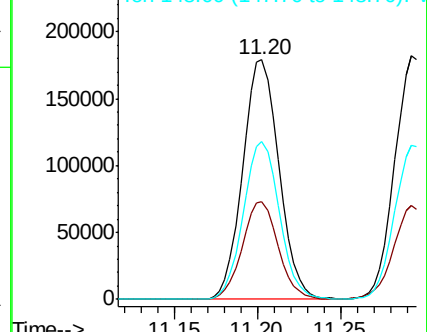
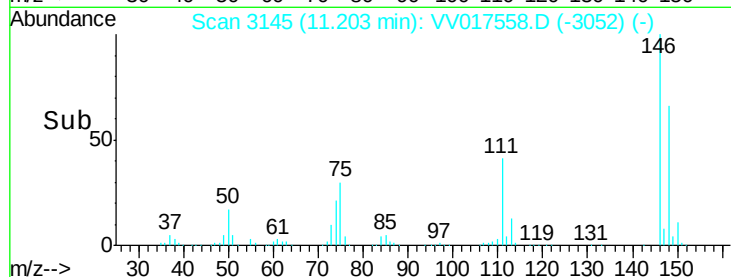
148 66.0 45.8 85.0



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: 46.871 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

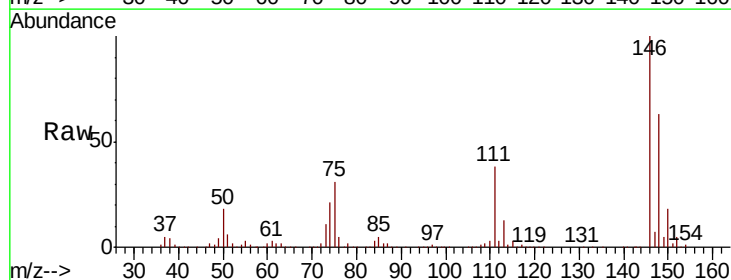
Tgt Ion:146 Resp: 276752

Ion Ratio Lower Upper

146 100

111 38.3 27.2 50.4

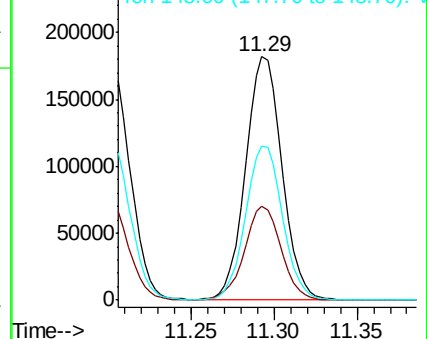
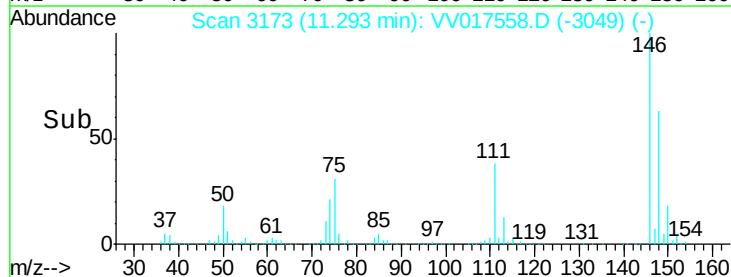
148 63.3 44.7 82.9

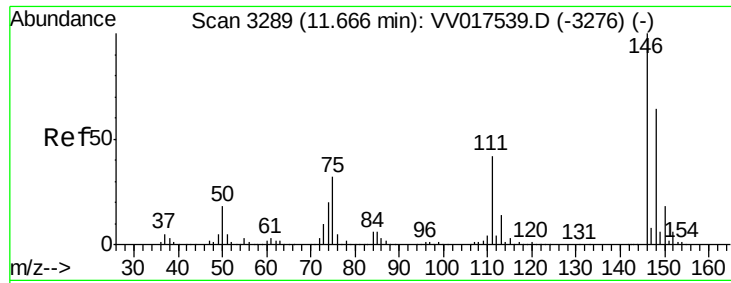


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 47.922 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05085

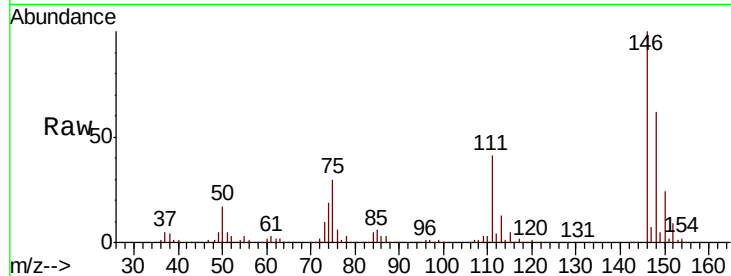
Tot Ion:146 Resp: 280573

Ion Ratio Lower Upper

146 100

111 40.6 33.8 50.8

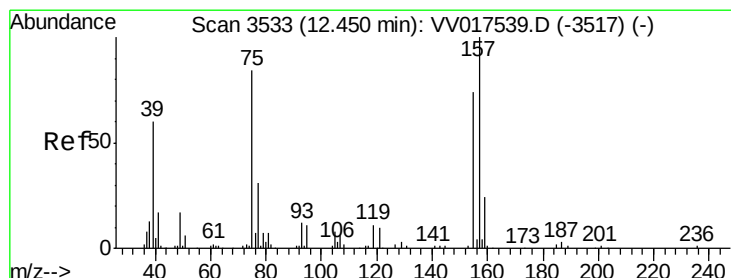
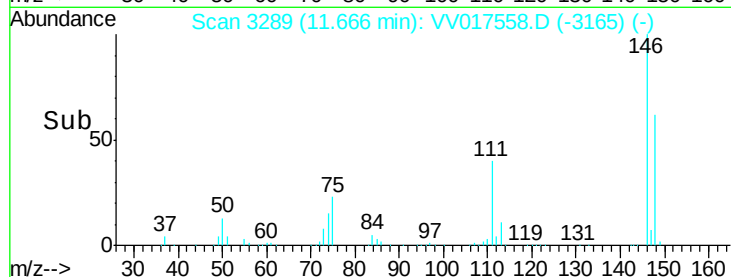
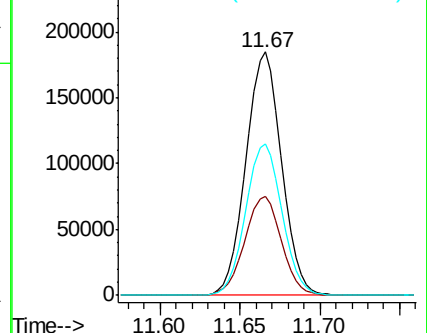
148 62.3 50.9 76.3



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: 45.796 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

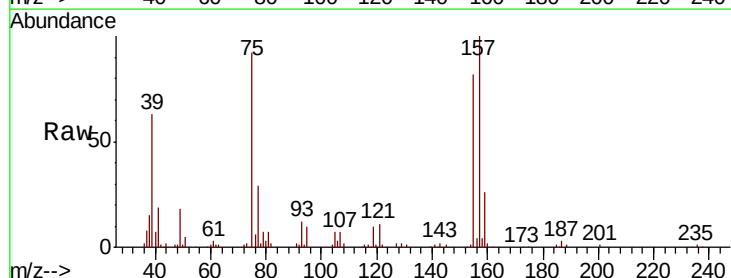
Tgt Ion: 75 Resp: 49631

Ion Ratio Lower Upper

75 100

155 89.5 70.6 105.8

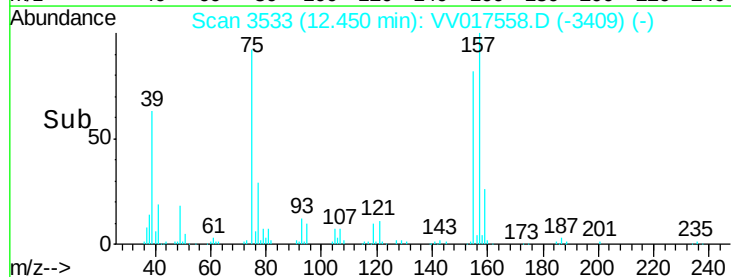
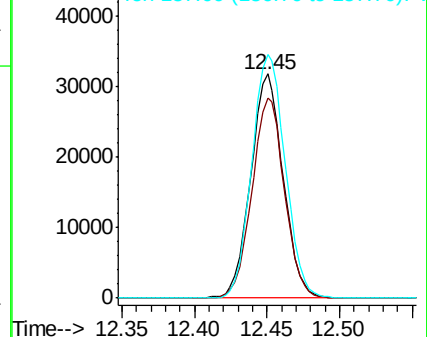
157 108.7 95.2 142.8

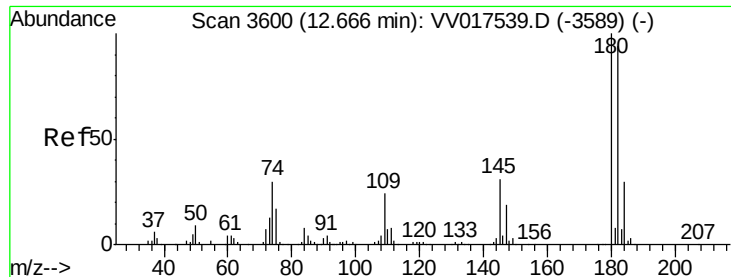


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

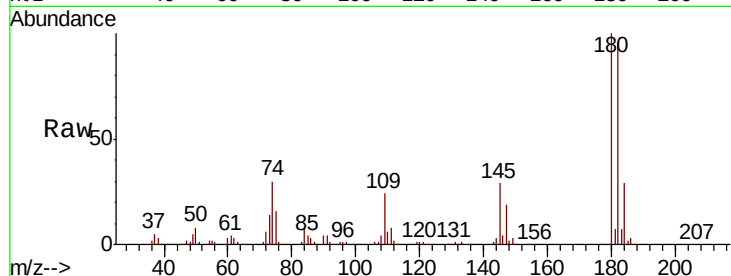




#67
 1,3,5-Trichlorobenzene
 Concen: 49.191 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV017558.D
 Acq: 20 Jul 2020 20:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05085

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.0	114.0
184	30.1	24.4	36.6
145	29.4	24.2	36.4



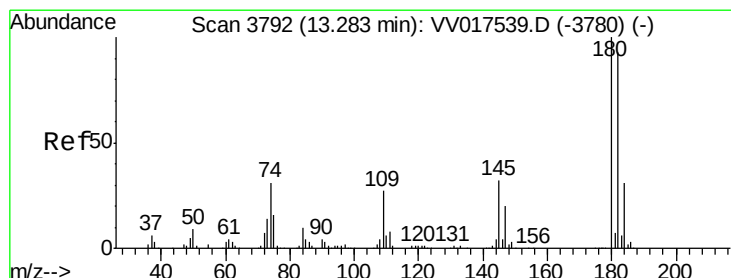
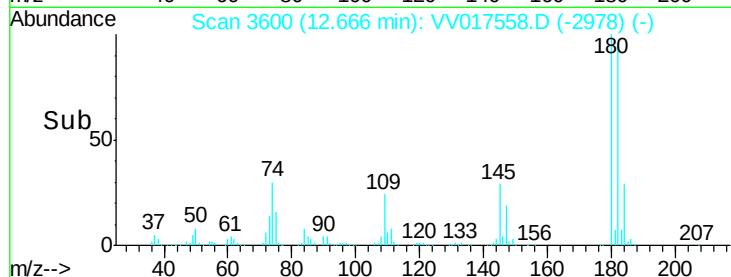
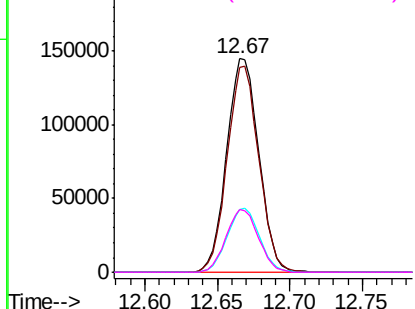
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

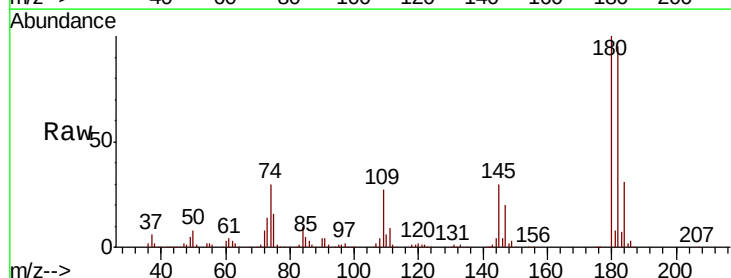
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.792 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017558.D
 Acq: 20 Jul 2020 20:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.0	114.0
145	30.5	24.9	37.3

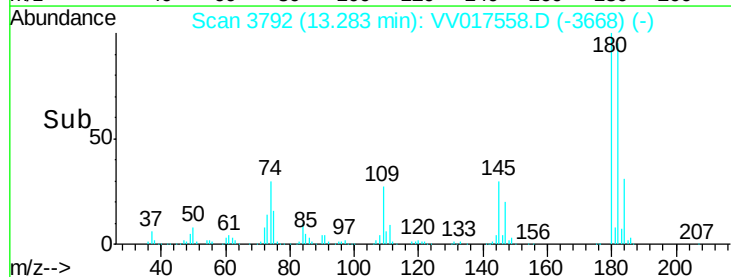
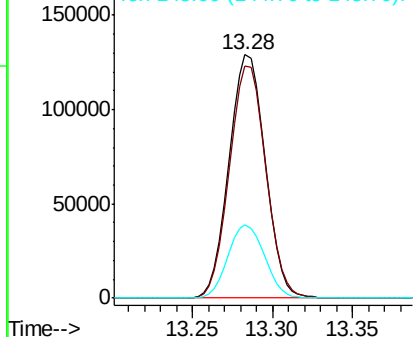


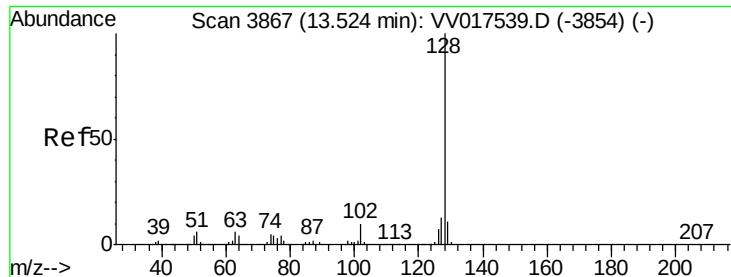
Abundance

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: 52.919 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05085

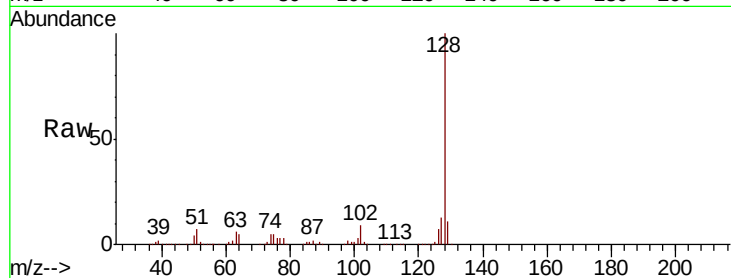
Tot Ion:128 Resp: 606856

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

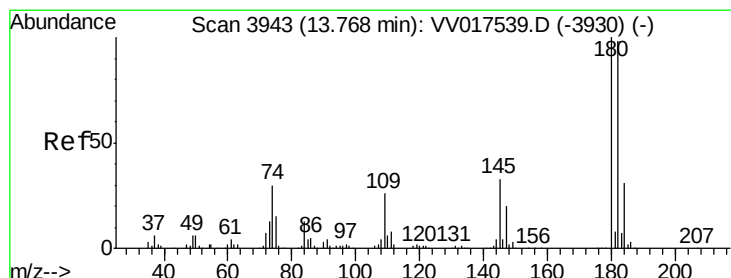
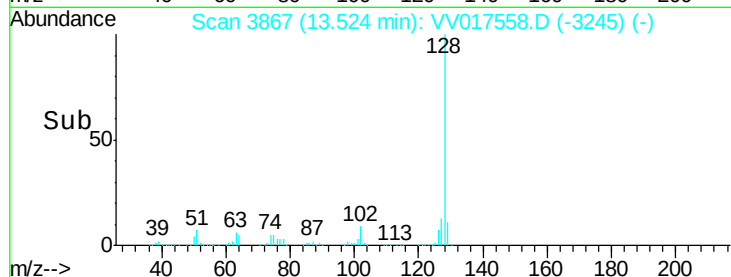
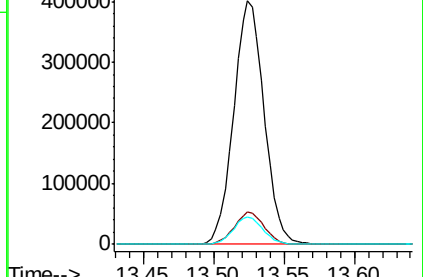
129 11.1 9.0 13.6



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: 50.455 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV017558.D

Acq: 20 Jul 2020 20:57

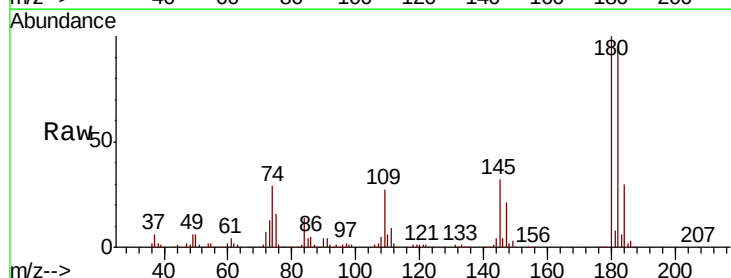
Tgt Ion:180 Resp: 204496

Ion Ratio Lower Upper

180 100

182 94.9 77.0 115.6

145 32.1 26.5 39.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

