

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111320\
 Data File : VV019378.D
 Acq On : 13 Nov 2020 15:31
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

Quant Time: Nov 16 14:55:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 16 13:41:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	229557	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	232754	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	142271	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77485	44.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.56%
7) Chloroethane-d5	1.58	69	65203	46.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.74%
11) 1,1-Dichloroethene-d2	2.12	63	163709	45.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.96%
21) 2-Butanone-d5	3.91	46	87152	97.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.67%
24) Chloroform-d	4.37	84	157018	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.88%
26) 1,2-Dichloroethane-d4	5.05	65	103844	45.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.98%
32) Benzene-d6	5.07	84	269310	44.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.74%
36) 1,2-Dichloropropane-d6	6.09	67	76578	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.92%
41) Toluene-d8	7.33	98	269685	45.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.94%
43) trans-1,3-Dichloropropene-	7.64	79	48942	46.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.06%
47) 2-Hexanone-d5	8.11	63	63820	102.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.13%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	113730	49.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.94%
64) 1,2-Dichlorobenzene-d4	11.65	152	127457	46.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	99864	51.880	ug/L 98
3) Chloromethane	1.25	50	91058	52.942	ug/L 99
5) Vinyl chloride	1.32	62	94716	51.085	ug/L 99
6) Bromomethane	1.53	94	66752	50.352	ug/L 100
8) Chloroethane	1.60	64	59409	50.812	ug/L 98
9) Trichlorofluoromethane	1.76	101	168858	50.770	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	80782	53.290	ug/L 99
12) 1,1-Dichloroethene	2.13	96	78900	50.995	ug/L 96
13) Acetone	2.19	43	74152	97.566	ug/L 96
14) Carbon disulfide	2.31	76	208149	48.654	ug/L 99
15) Methyl Acetate	2.45	43	65816	51.294	ug/L 98
16) Methylene chloride	2.52	84	77769	50.056	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	74329	49.943	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	239522	50.093	ug/L 99
19) 1,1-Dichloroethane	3.21	63	129347	50.124	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	80450	51.064	ug/L 100
22) 2-Butanone	3.99	43	90139	103.426	ug/L 99

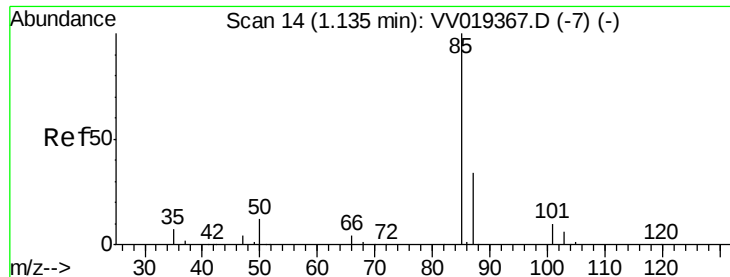
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111320\
 Data File : VV019378.D
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 Operator : SY/MD
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 Quant Title : VOC Analysis
 QLast Update : Mon Nov 16 13:41:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	46403	51.071	ug/L	95
25) Chloroform	4.40	83	150779	50.236	ug/L	96
27) 1,2-Dichloroethane	5.15	62	125325	49.290	ug/L	100
29) Cyclohexane	4.70	56	100019	49.719	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	148739	48.648	ug/L	99
31) Carbon tetrachloride	4.86	117	134217	48.747	ug/L	99
33) Benzene	5.12	78	292914	49.888	ug/L	100
34) Trichloroethene	5.94	95	87132	49.205	ug/L	97
35) Methylcyclohexane	6.15	83	107862	49.287	ug/L	99
37) 1,2-Dichloropropane	6.20	63	71390	50.027	ug/L	100
38) Bromodichloromethane	6.53	83	115891	49.961	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	126581	51.738	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	183634	101.985	ug/L	99
42) Toluene	7.41	91	336991	51.023	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	131419	50.430	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	77761	50.237	ug/L	99
46) Tetrachloroethene	8.00	164	78964	50.623	ug/L	96
48) 2-Hexanone	8.16	43	144912	102.691	ug/L	98
49) Dibromochloromethane	8.27	129	100818	50.752	ug/L	98
50) 1,2-Dibromoethane	8.37	107	85555	50.520	ug/L	95
51) Chlorobenzene	8.90	112	226492	49.865	ug/L	99
52) Ethylbenzene	9.03	91	376446	50.964	ug/L	100
53) m,p-Xylene	9.16	106	146036	51.057	ug/L	98
54) o-xylene	9.56	106	141404	51.122	ug/L	98
55) Styrene	9.58	104	259862	53.124	ug/L	97
56) Isopropylbenzene	9.95	105	385302	51.879	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	109624	51.829	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	97933	50.252	ug/L	99
61) Bromoform	9.75	173	79864	49.306	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	204934	51.269	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	209037	49.991	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	203000	50.193	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	29966	51.296	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	153829	50.200	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	140136	50.835	ug/L	99
69) Naphthalene	13.52	128	326630	50.172	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	142749	51.462	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 51.880 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

Instrument :

MSVOA_V

ClientSampleId :

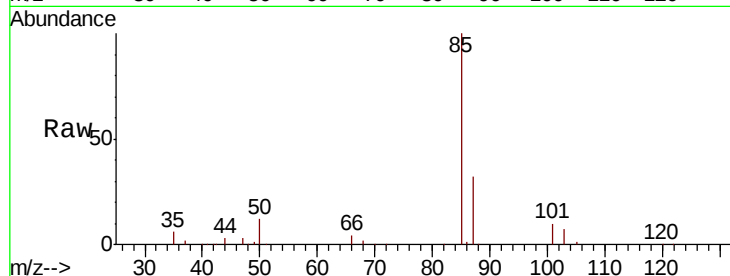
VSTD05098

Tot Ion: 85 Resp: 99864

Ion Ratio Lower Upper

85 100

87 32.2 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV019367.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV019367.D (-7) (-)

1.14

120000

100000

80000

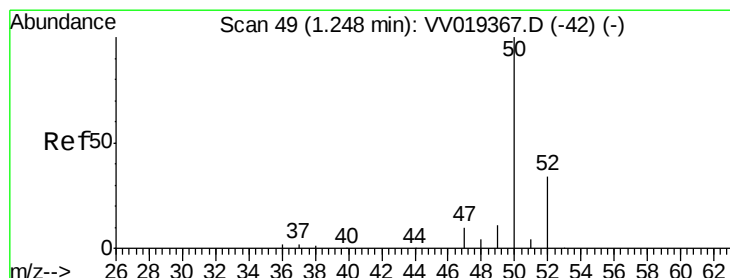
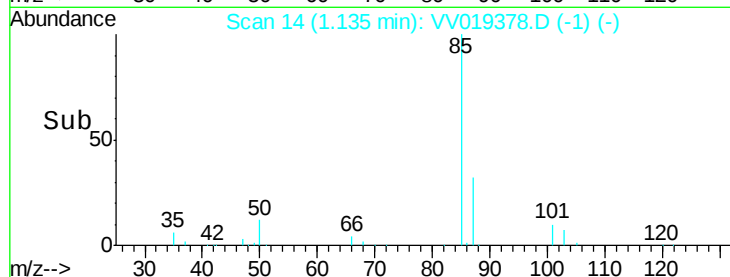
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 52.942 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019378.D

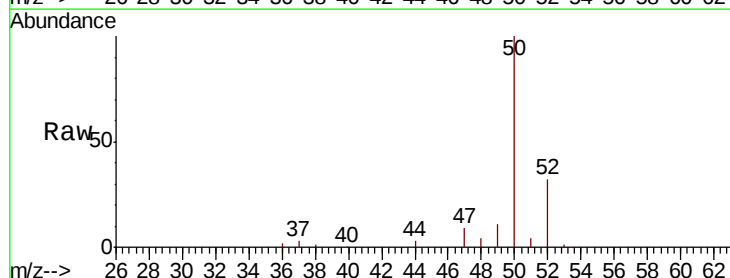
Acq: 13 Nov 2020 15:31

Tgt Ion: 50 Resp: 91058

Ion Ratio Lower Upper

50 100

52 32.5 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VV019367.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV019367.D (-42) (-)

1.25

100000

80000

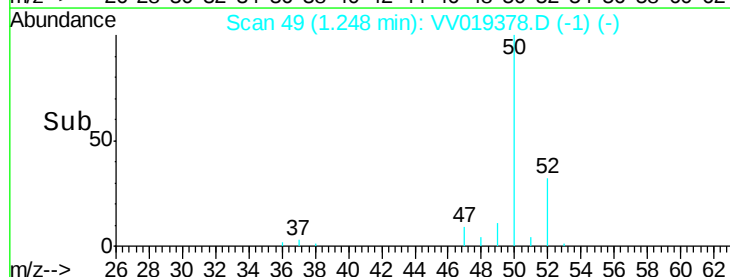
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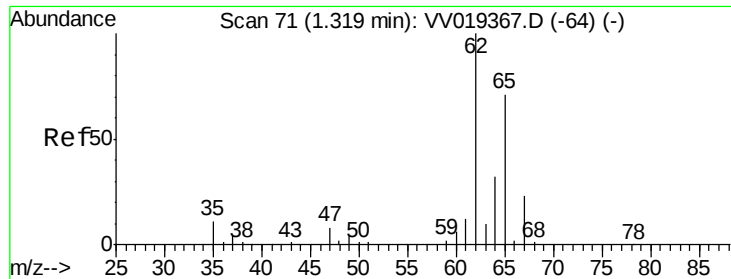
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 51.085 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

Instrument :

MSVOA_V

ClientSampleId :

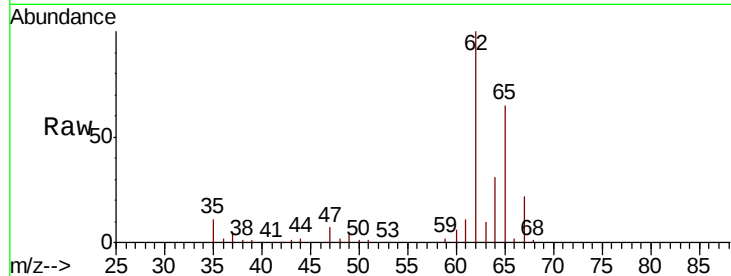
VSTD05098

Tot Ion: 62 Resp: 94716

Ion Ratio Lower Upper

62 100

64 31.4 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

100000

80000

60000

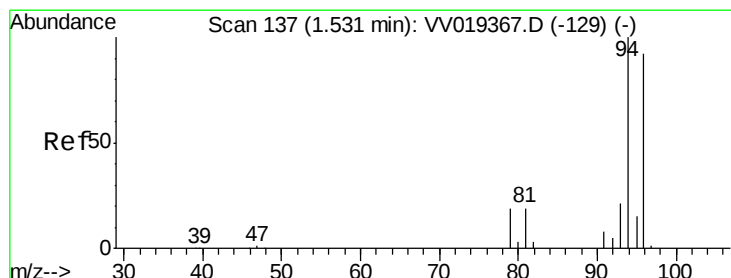
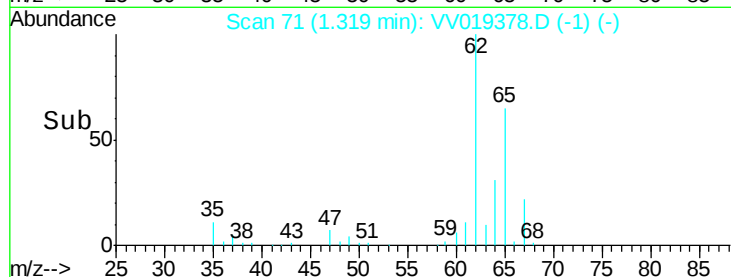
40000

20000

0

1.30 1.32 1.35

Time-->



#6

Bromomethane

Concen: 50.352 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV019378.D

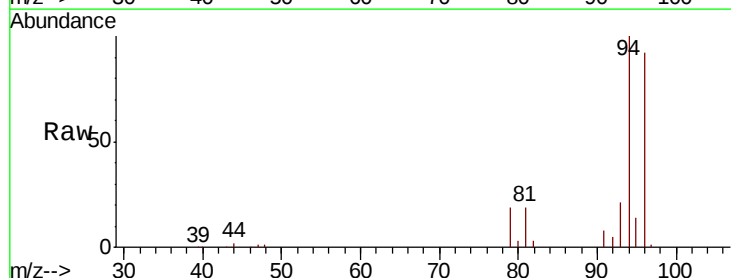
Acq: 13 Nov 2020 15:31

Tgt Ion: 94 Resp: 66752

Ion Ratio Lower Upper

94 100

96 92.0 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

60000

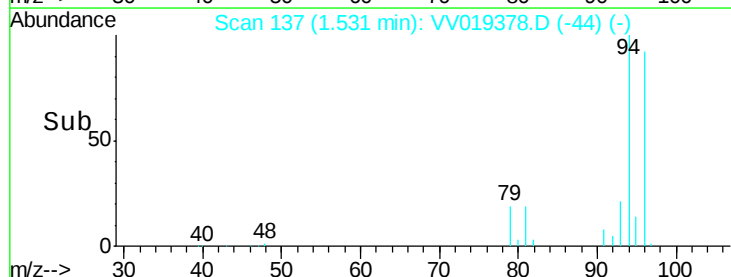
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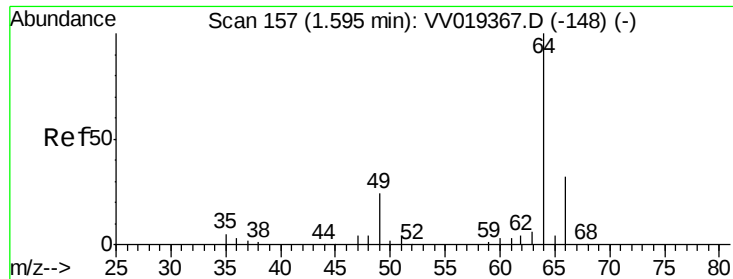
20000

0

1.50 1.53 1.60

Time-->





#8

Chloroethane

Concen: 50.812 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

Instrument :

MSVOA_V

ClientSampleId :

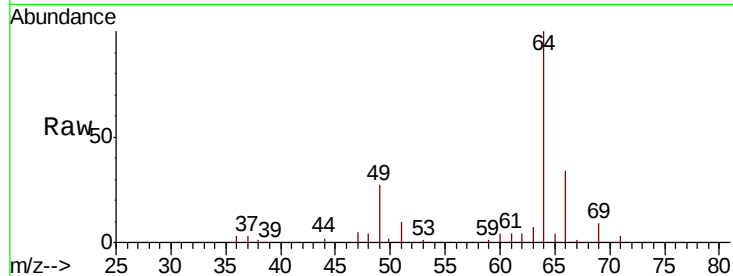
VSTD05098

Tot Ion: 64 Resp: 59409

Ion Ratio Lower Upper

64 100

66 33.7 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VV019378.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VV019378.D (-33) (-)

1.60

60000

50000

40000

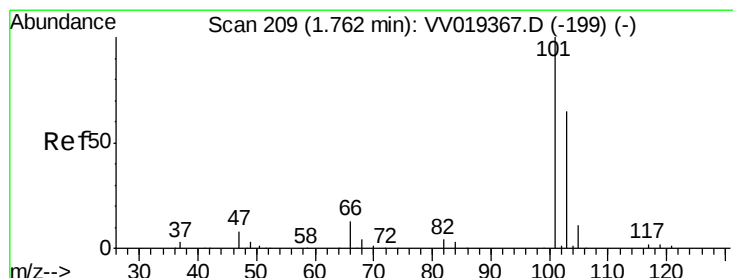
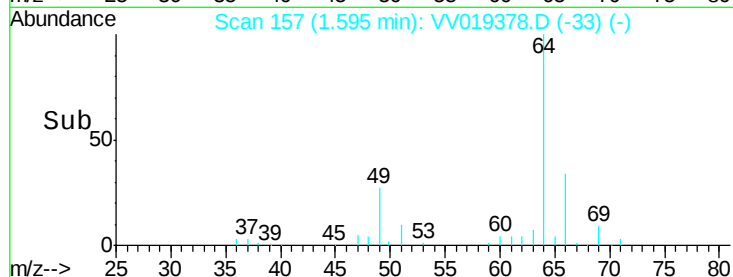
30000

20000

10000

0

Time-->



#9

Trichlorofluoromethane

Concen: 50.770 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV019378.D

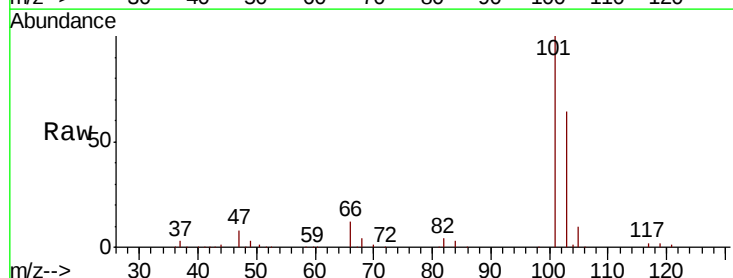
Acq: 13 Nov 2020 15:31

Tgt Ion: 101 Resp: 168858

Ion Ratio Lower Upper

101 100

103 64.2 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV019378.D (-85) (-)

Ion 103.00 (102.70 to 103.70): VV019378.D (-85) (-)

1.76

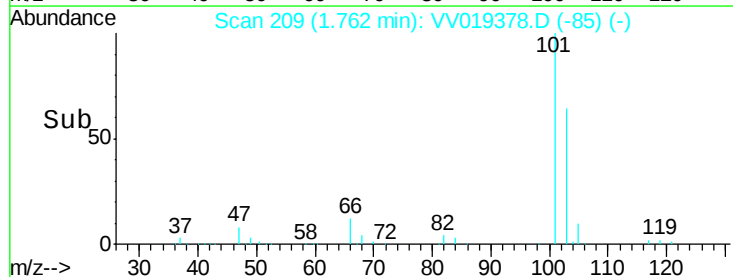
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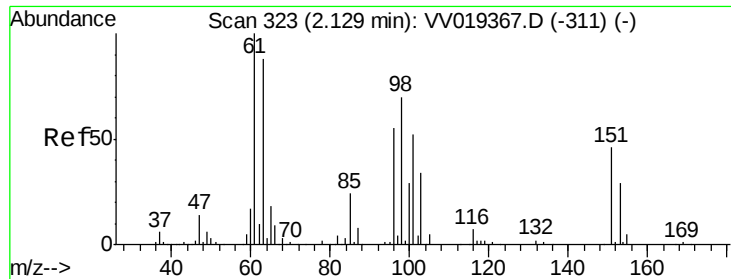
100000

50000

0

Time-->





#10

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

Concen: 53.290 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

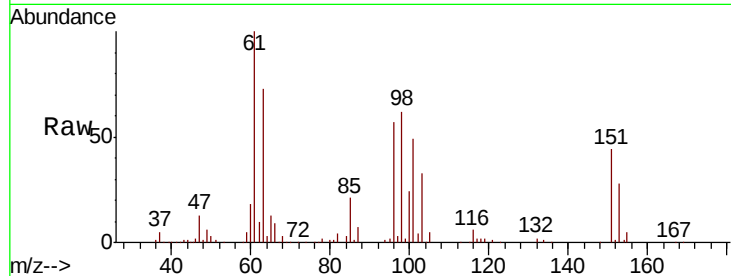
Tot Ion:101 Resp: 80782

Ion Ratio Lower Upper

101 100

85 43.0 35.8 53.6

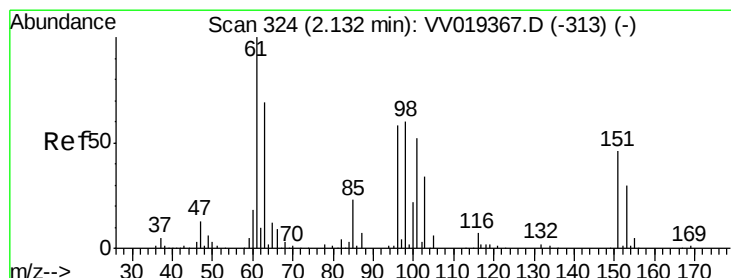
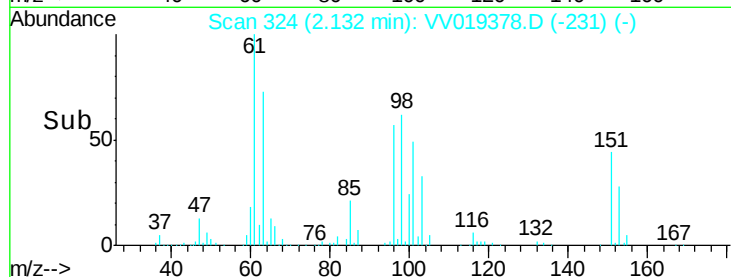
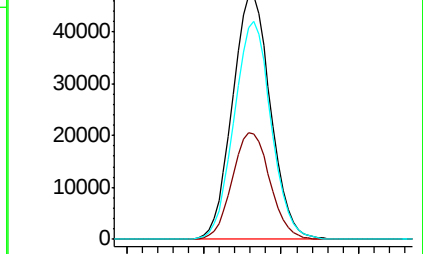
151 86.6 69.2 103.8



Abundance Ion 101.00 (100.70 to 101.70): VV019367.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV019367.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV019367.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 50.995 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

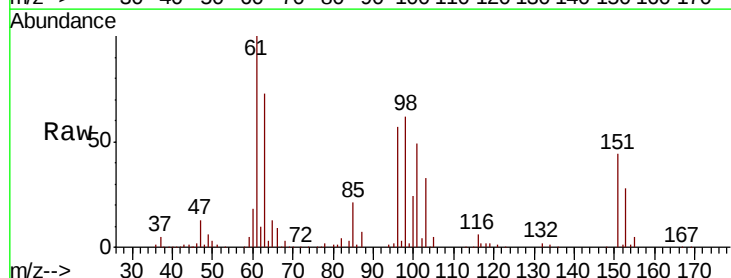
Tgt Ion: 96 Resp: 78900

Ion Ratio Lower Upper

96 100

61 176.3 121.0 224.8

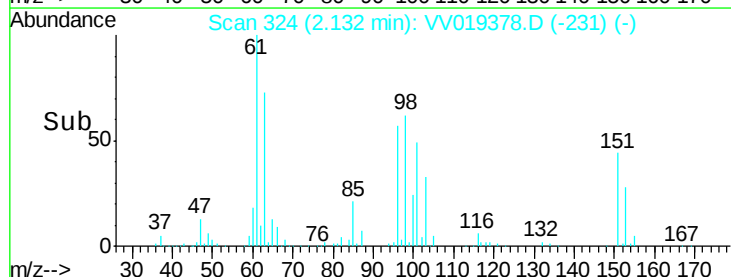
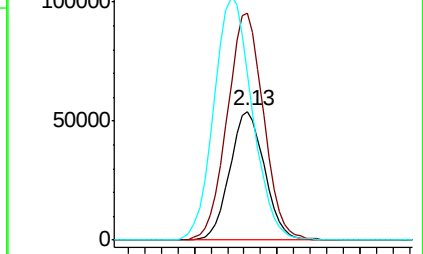
63 129.4 86.2 160.0

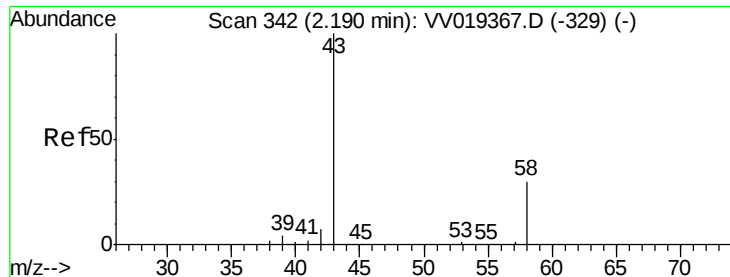


Abundance Ion 96.00 (95.70 to 96.70): VV019367.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV019367.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV019367.D (-313) (-)





#13

Acetone

Concen: 97.566 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

Instrument :

MSVOA_V

ClientSampleId :

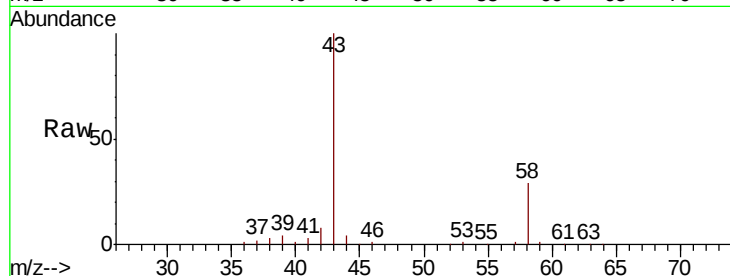
VSTD05098

Tot Ion: 43 Resp: 74152

Ion Ratio Lower Upper

43 100

58 30.1 0.0 55.8



Abundance Ion 43.00 (42.70 to 43.70): VV019378.D (-249) (-)

Ion 58.00 (57.70 to 58.70): VV019378.D (-249) (-)

2.19

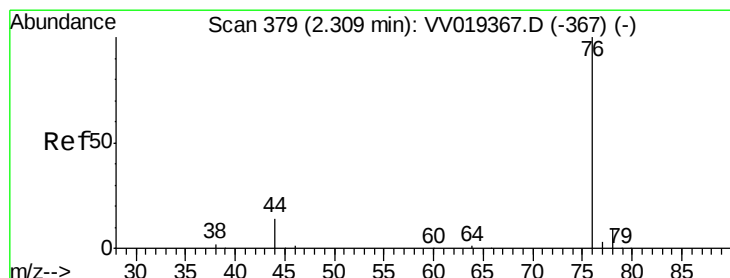
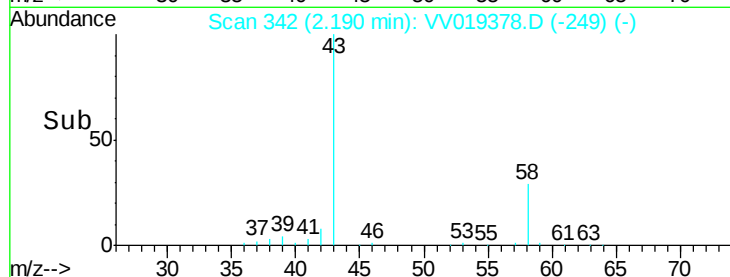
30000

20000

10000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 48.654 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019378.D

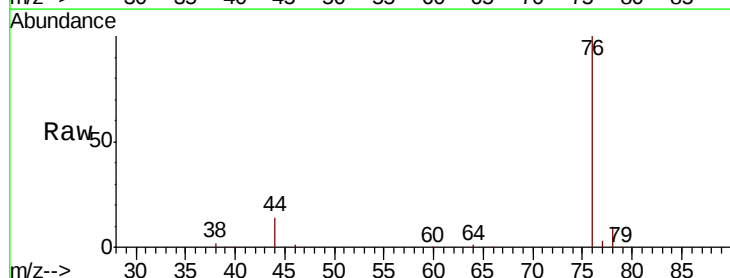
Acq: 13 Nov 2020 15:31

Tgt Ion: 76 Resp: 208149

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019378.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV019378.D (-286) (-)

2.31

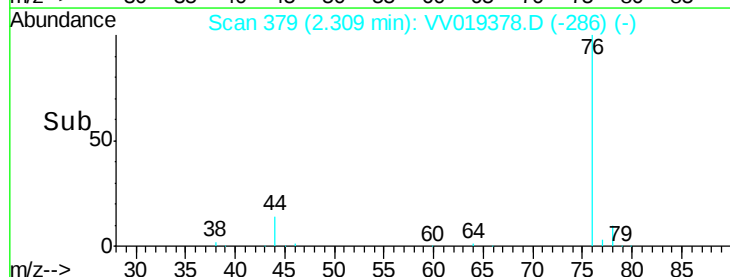
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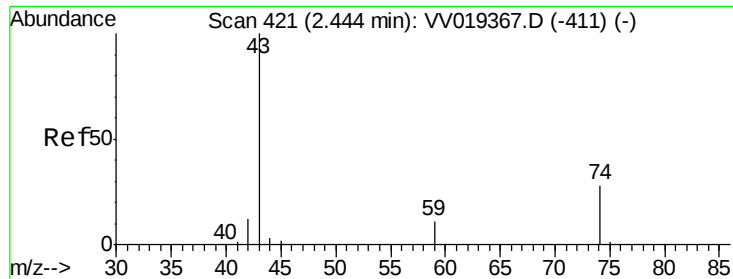
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50000

0

Time--> 2.25 2.30 2.35 2.40

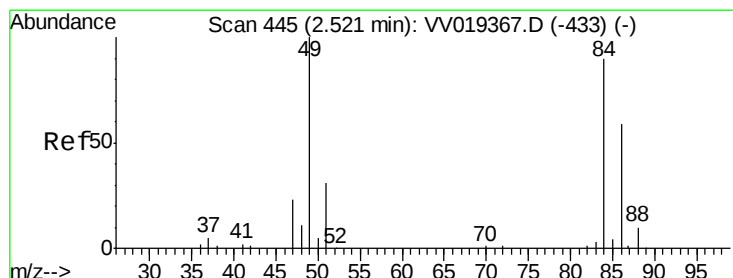
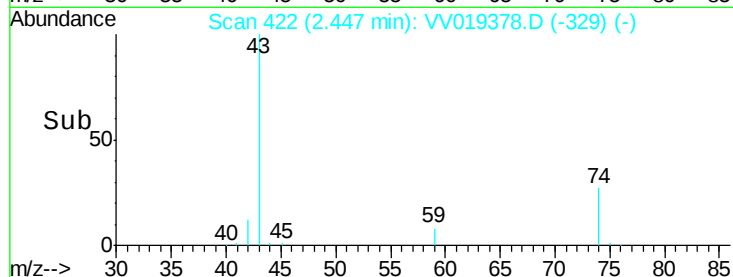
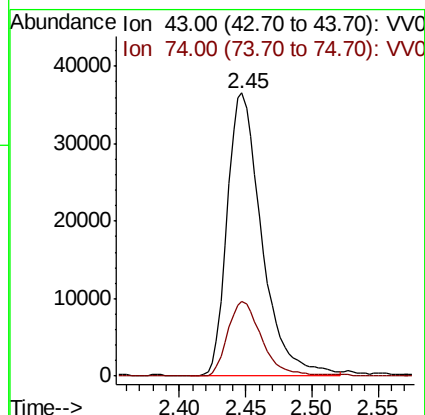
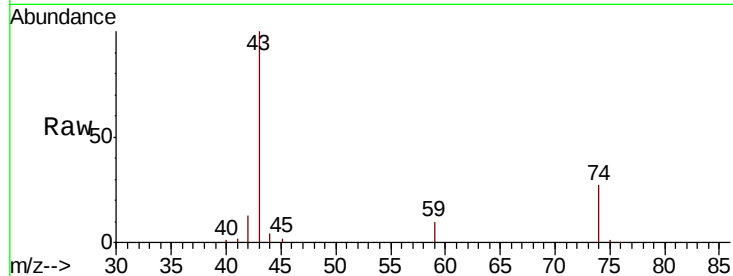




#15
Methvl Acetate
Concen: 51.294 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV019378.D
Acq: 13 Nov 2020 15:31

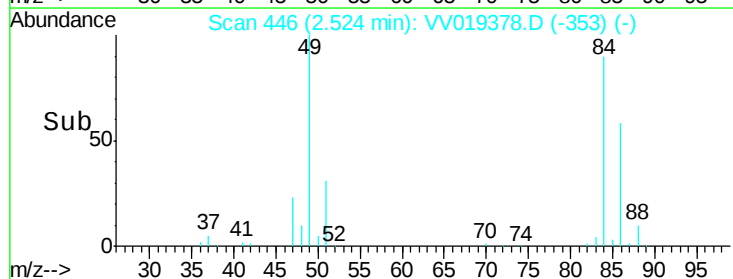
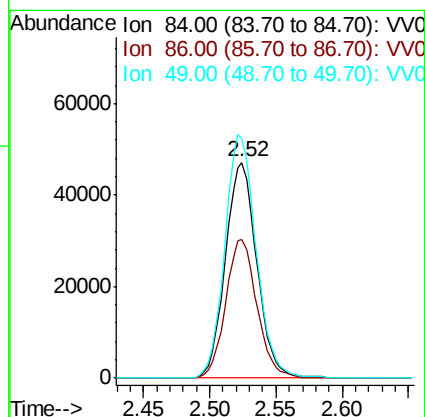
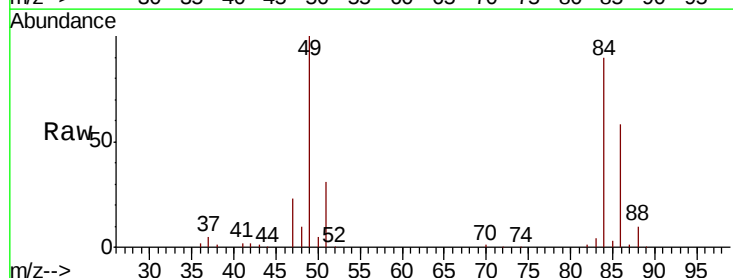
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

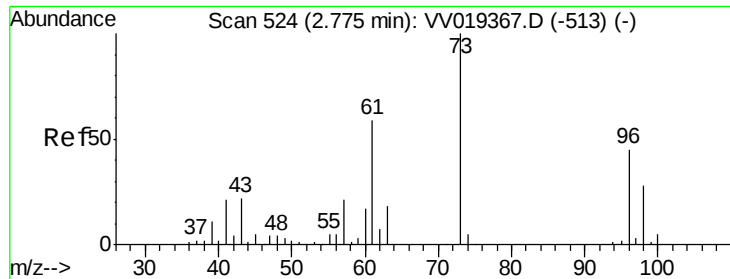
Tot Ion: 43 Resp: 65816
Ion Ratio Lower Upper
43 100
74 26.8 20.7 31.1



#16
Methylene chloride
Concen: 50.056 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019378.D
Acq: 13 Nov 2020 15:31

Tgt Ion: 84 Resp: 77769
Ion Ratio Lower Upper
84 100
86 64.6 45.6 84.8
49 111.2 80.2 149.0

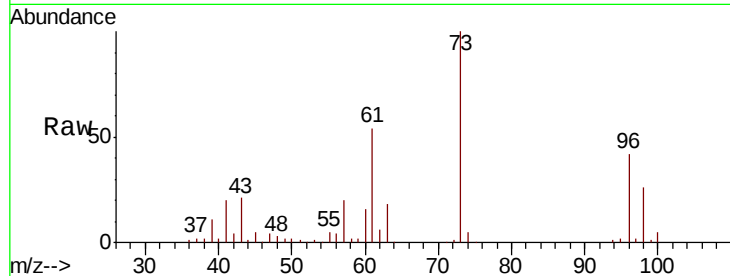




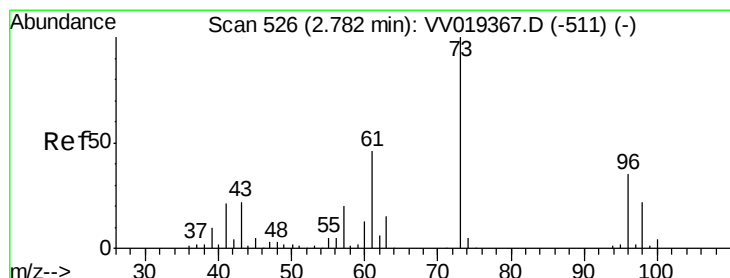
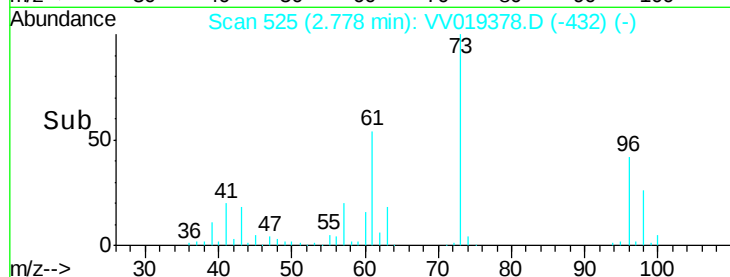
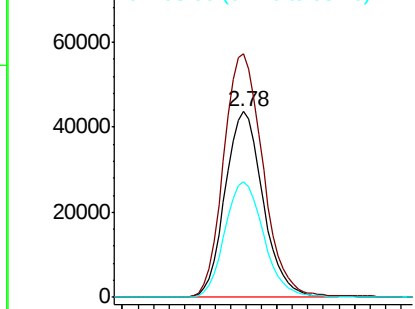
#17
trans-1,2-Dichloroethene
Concen: 49.943 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV019378.D
Acq: 13 Nov 2020 15:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

Tot Ion: 96 Resp: 74329
Ion Ratio Lower Upper
96 100
61 131.1 91.8 170.6
98 62.5 45.1 83.7

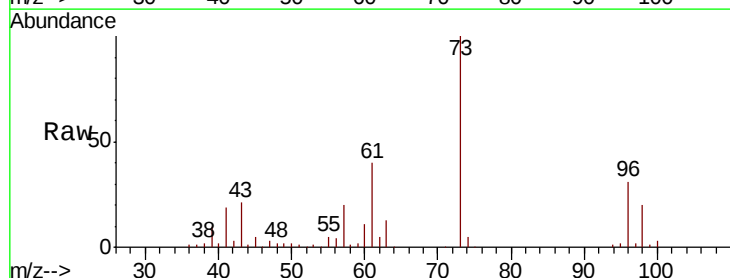


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

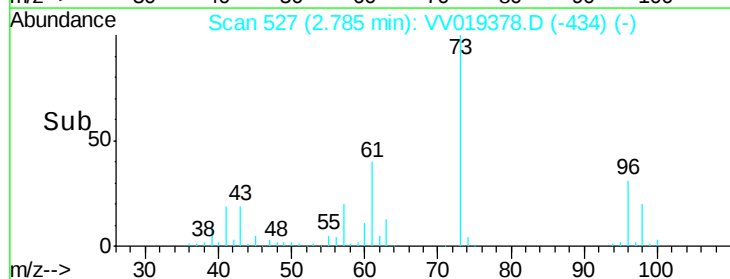
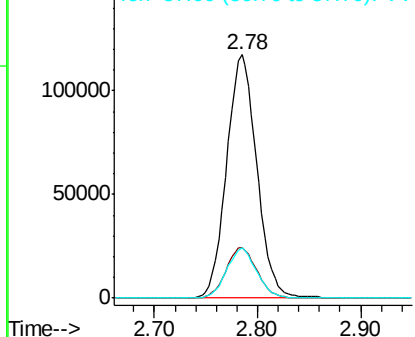


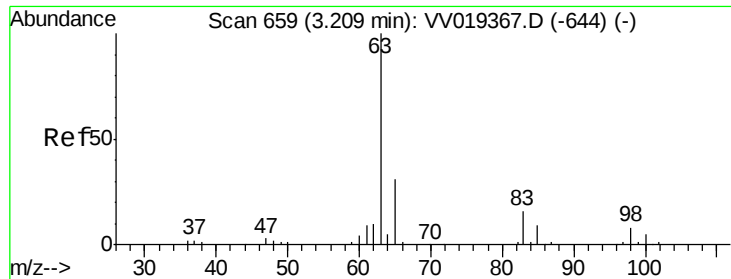
#18
Methyl tert-butyl Ether
Concen: 50.093 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV019378.D
Acq: 13 Nov 2020 15:31

Tgt Ion: 73 Resp: 239522
Ion Ratio Lower Upper
73 100
43 20.9 17.2 25.8
57 20.3 15.9 23.9



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

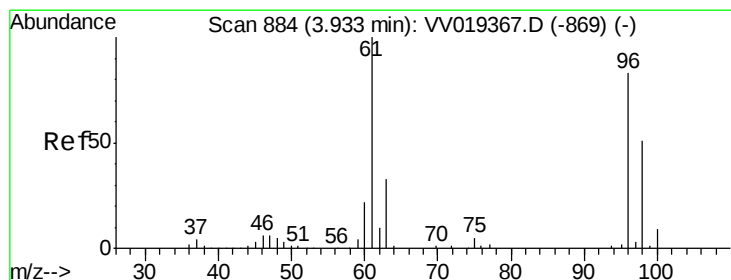
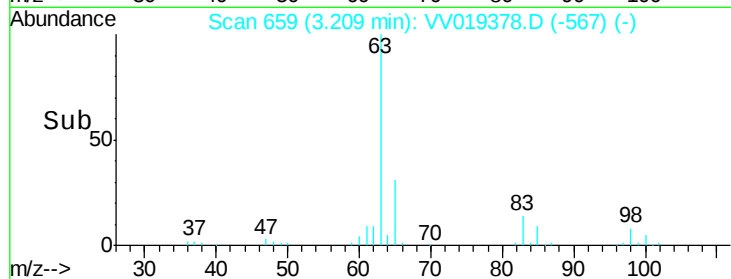
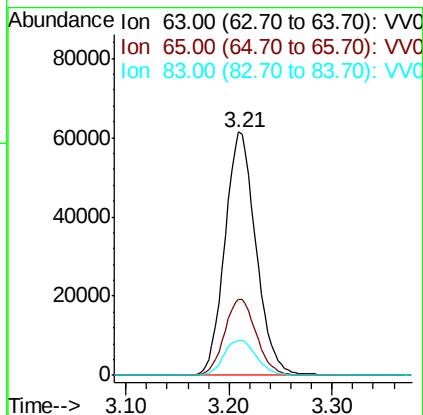
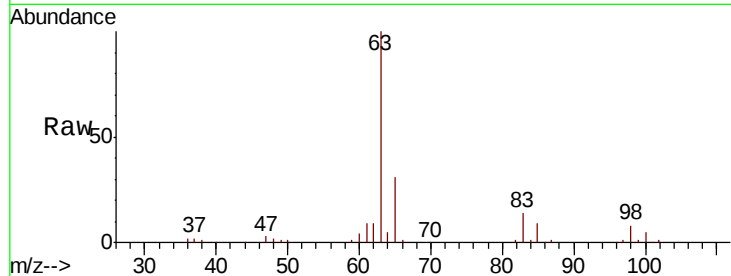




#19
 1,1-Dichloroethane
 Concen: 50.124 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV019378.D
 Acq: 13 Nov 2020 15:31

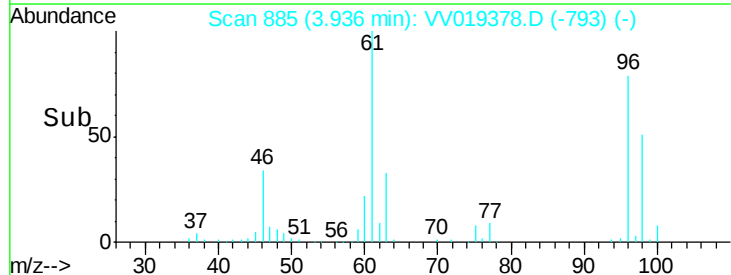
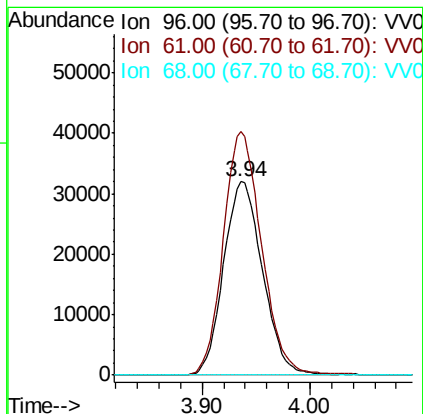
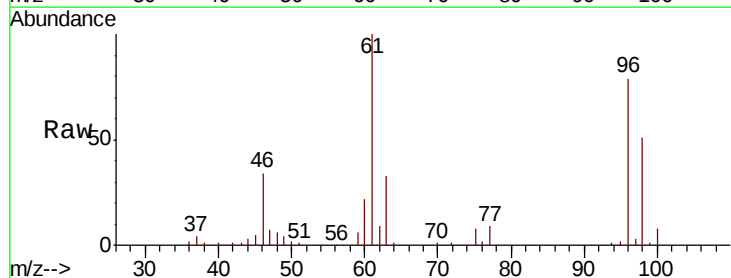
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

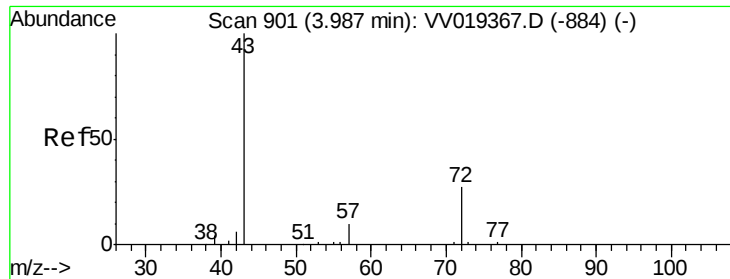
Tot Ion: 63 Resp: 129347
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.0 42.8
 83 14.4 10.7 19.9



#20
 cis-1,2-Dichloroethene
 Concen: 51.064 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV019378.D
 Acq: 13 Nov 2020 15:31

Tgt Ion: 96 Resp: 80450
 Ion Ratio Lower Upper
 96 100
 61 126.0 88.2 163.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 103.426 ug/L

RT: 3.99 min Scan# 902

Delta R.T. -0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

Instrument :

MSVOA_V

ClientSampleId :

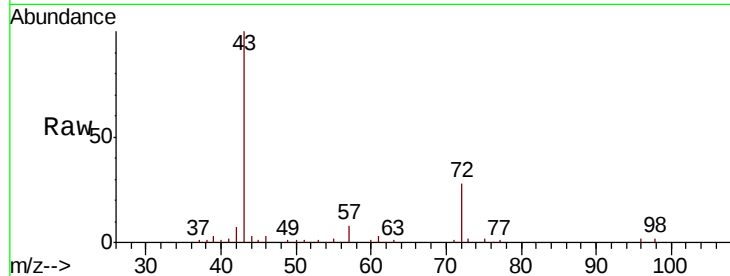
VSTD05098

Tot Ion: 43 Resp: 90139

Ion Ratio Lower Upper

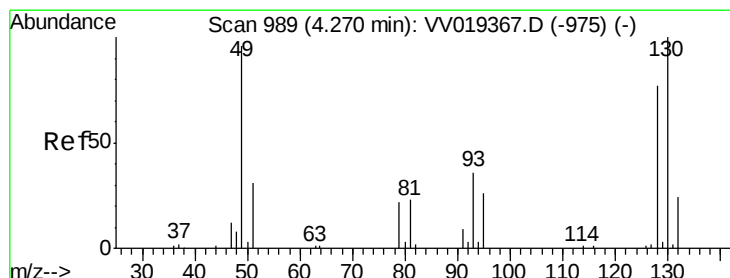
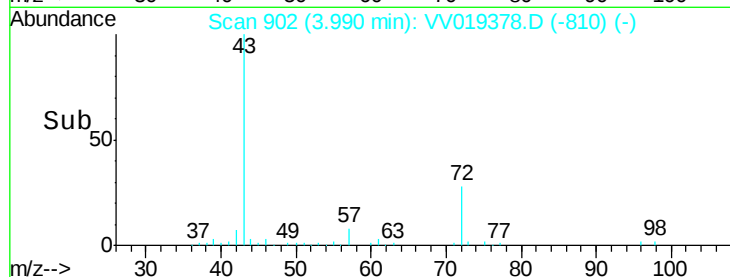
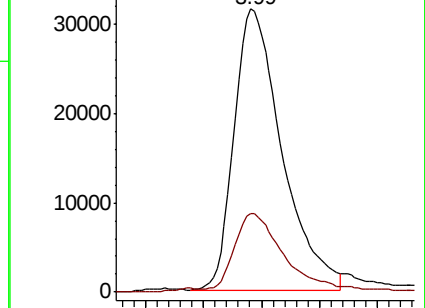
43 100

72 26.7 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV019378.D (-810) (-)

Ion 72.00 (71.70 to 72.70): VV019378.D (-810) (-)



#23

Bromochloromethane

Concen: 51.071 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

Tgt Ion:128 Resp: 46403

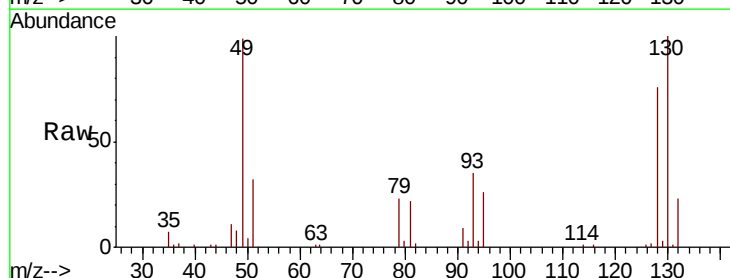
Ion Ratio Lower Upper

128 100

49 130.9 86.2 160.0

130 131.9 94.0 174.6

51 42.2 30.6 46.0

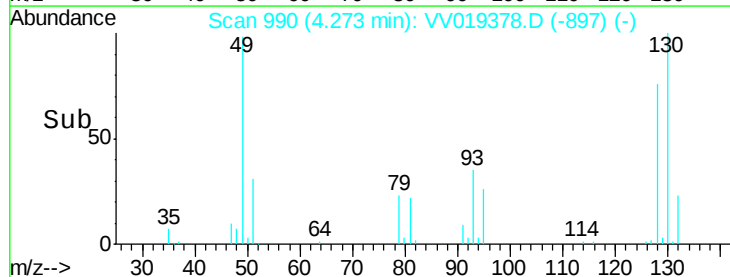
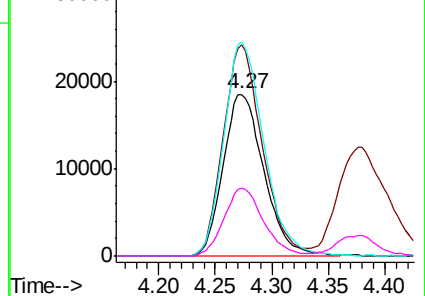


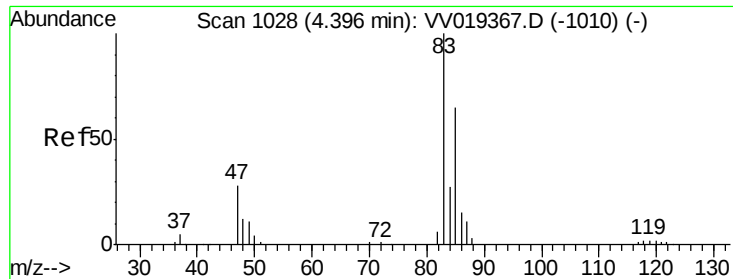
Abundance Ion 128.00 (127.70 to 128.70): VV019378.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV019378.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV019378.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV019378.D (-897) (-)

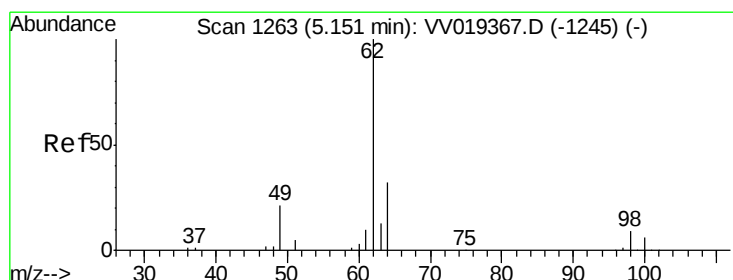
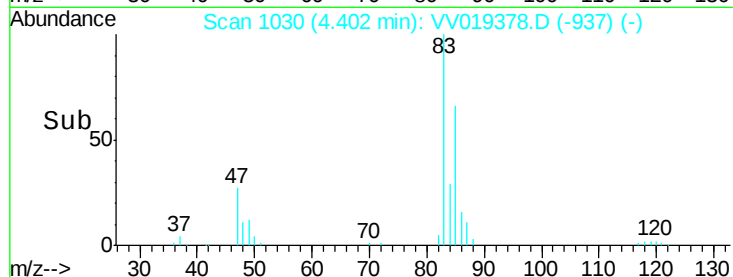
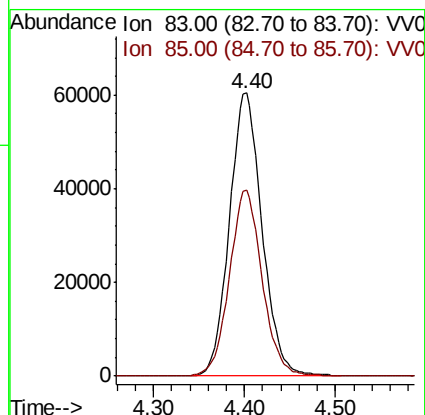
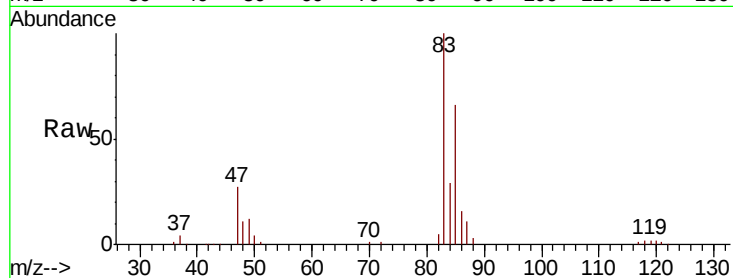




#25
Chloroform
Concen: 50.236 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV019378.D
Acq: 13 Nov 2020 15:31

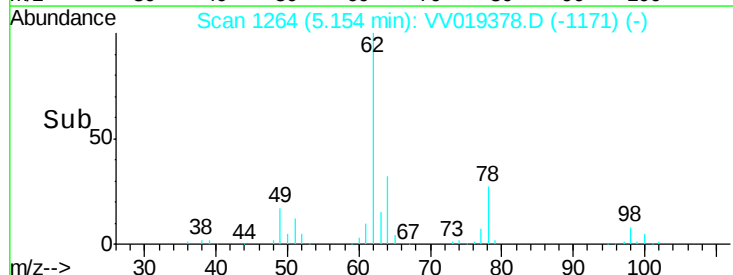
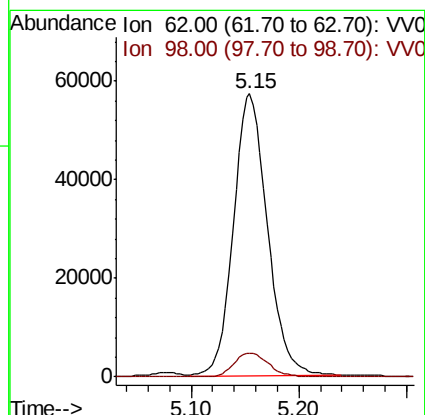
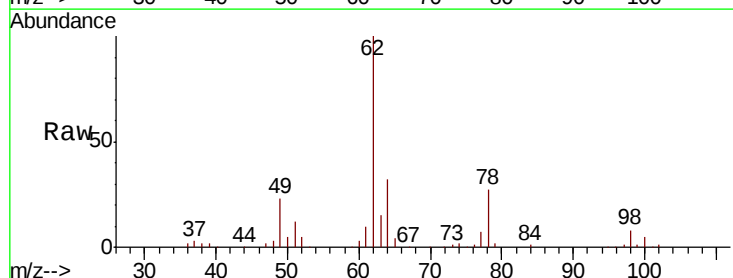
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

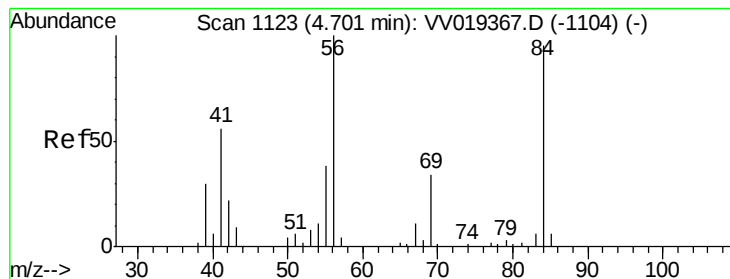
Tot Ion: 83 Resp: 150779
Ion Ratio Lower Upper
83 100
85 65.8 44.0 81.8



#27
1,2-Dichloroethane
Concen: 49.290 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV019378.D
Acq: 13 Nov 2020 15:31

Tgt Ion: 62 Resp: 125325
Ion Ratio Lower Upper
62 100
98 8.4 6.7 10.1





#29

Cyclohexane

Concen: 49.719 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

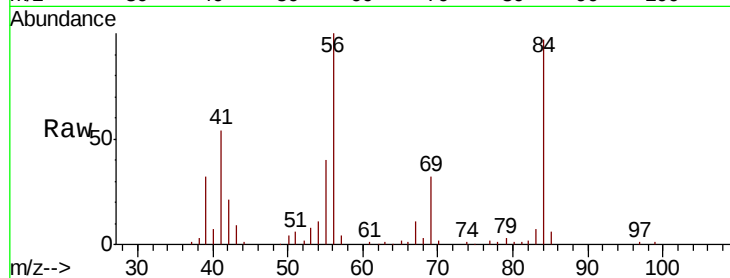
Tot Ion: 56 Resp: 100019

Ion Ratio Lower Upper

56 100

69 32.6 26.7 40.1

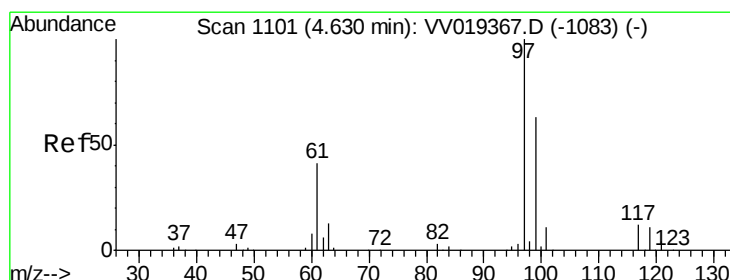
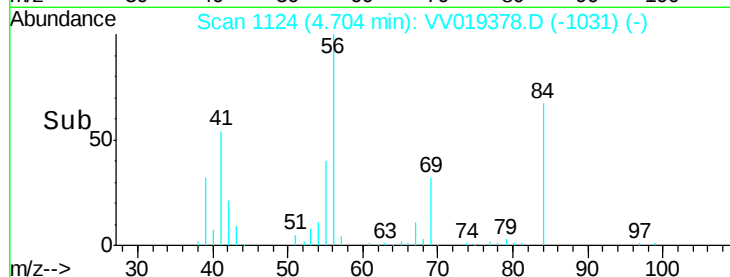
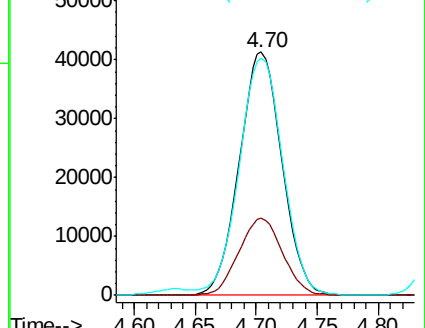
84 100.0 79.5 119.3



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 48.648 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

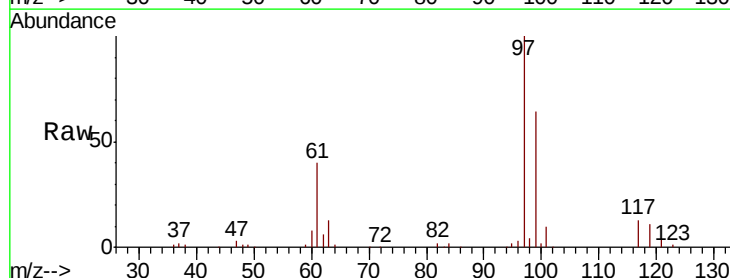
Tgt Ion: 97 Resp: 148739

Ion Ratio Lower Upper

97 100

99 64.0 51.0 76.6

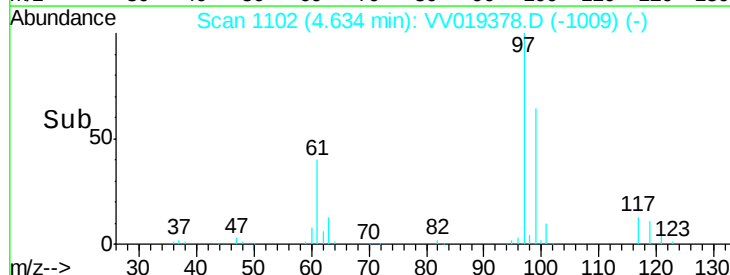
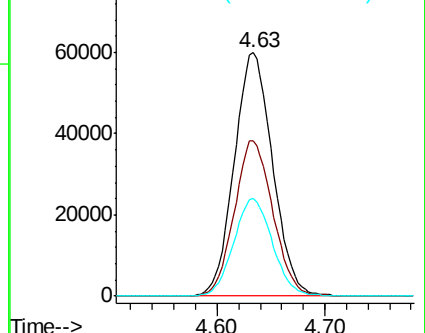
61 40.4 33.2 49.8

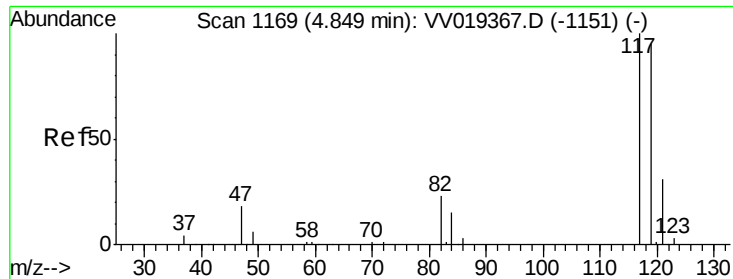


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

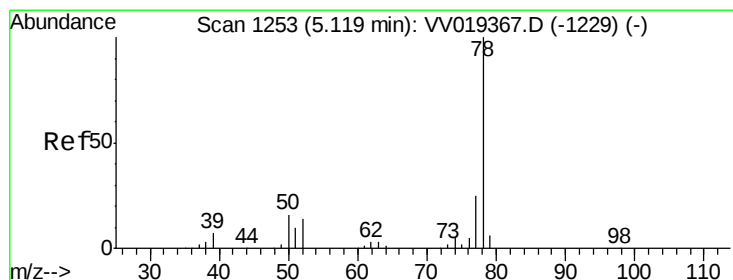
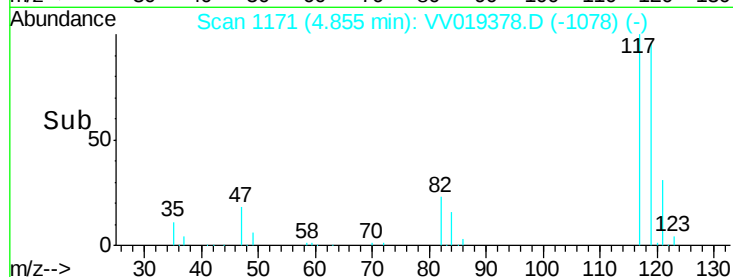
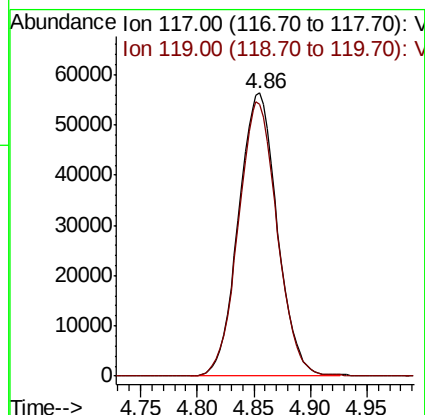
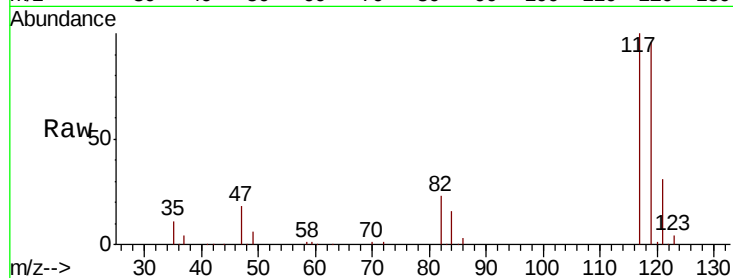




#31
Carbon tetrachloride
Concen: 48.747 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV019378.D
Acq: 13 Nov 2020 15:31

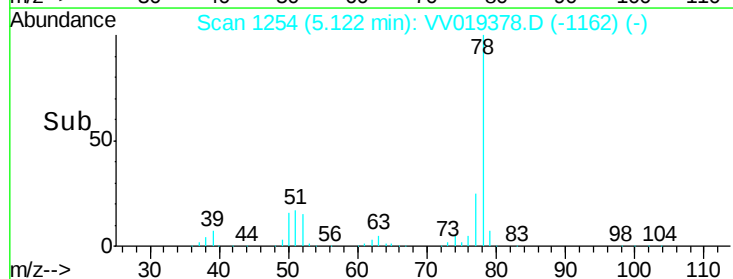
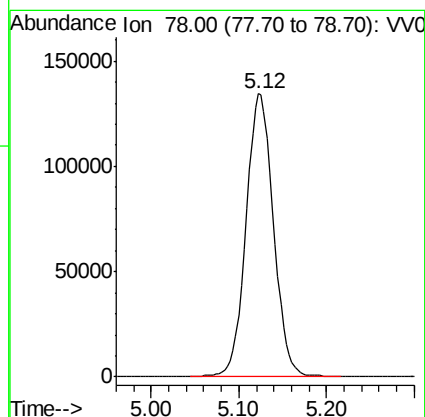
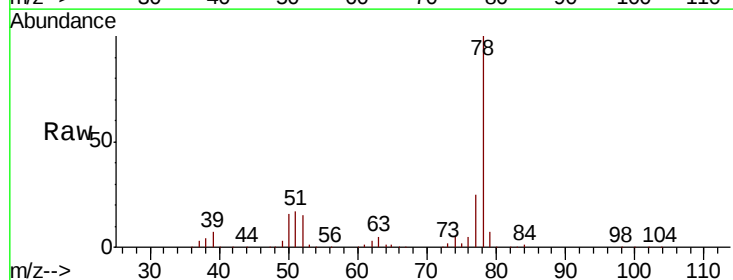
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

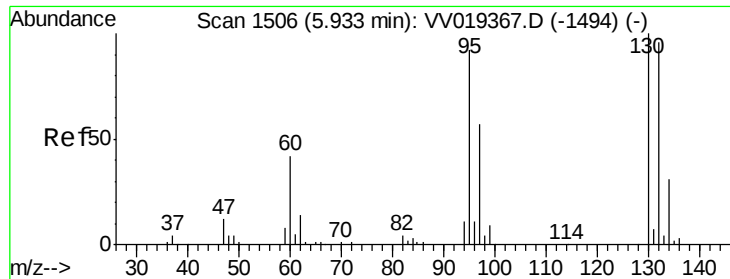
Tot Ion:117 Resp: 134217
Ion Ratio Lower Upper
117 100
119 96.9 77.0 115.4



#33
Benzene
Concen: 49.888 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV019378.D
Acq: 13 Nov 2020 15:31

Tgt Ion: 78 Resp: 292914





#34

Trichloroethene

Concen: 49.205 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

Tot Ion: 95 Resp: 87132

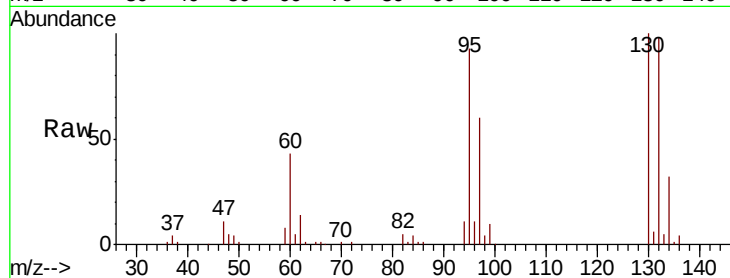
Ion Ratio Lower Upper

95 100

97 64.1 46.8 86.8

132 105.0 75.5 140.3

130 107.5 77.7 144.3

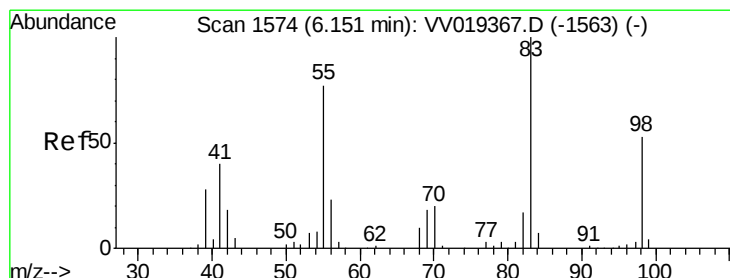
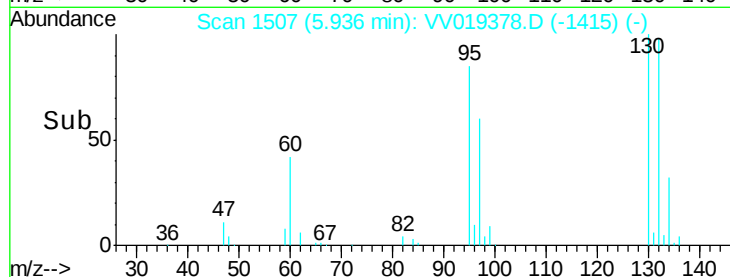
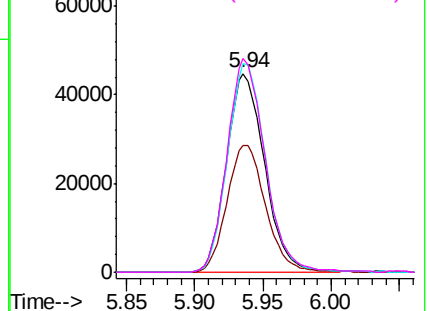


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 49.287 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

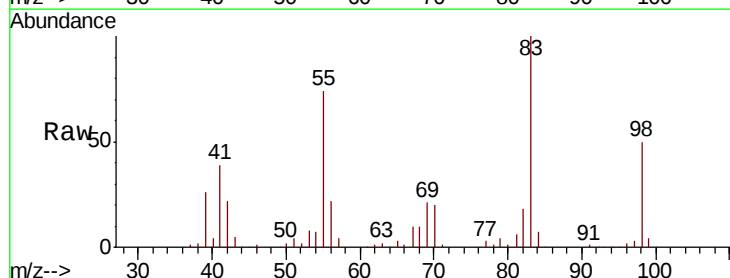
Tgt Ion: 83 Resp: 107862

Ion Ratio Lower Upper

83 100

55 74.4 58.6 88.0

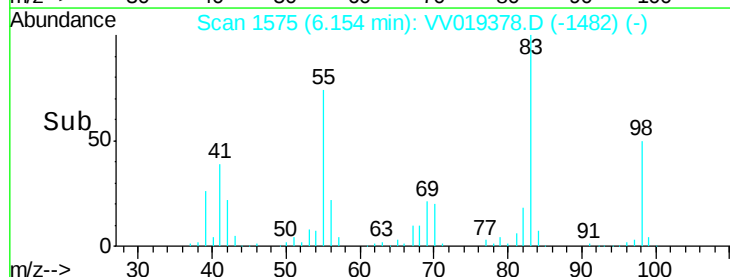
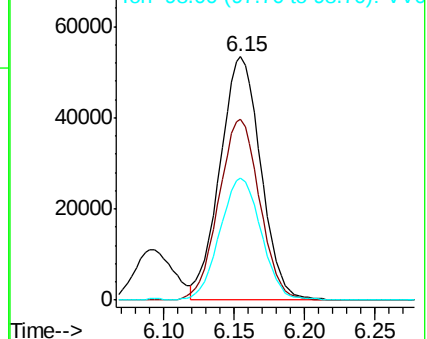
98 50.9 41.4 62.0

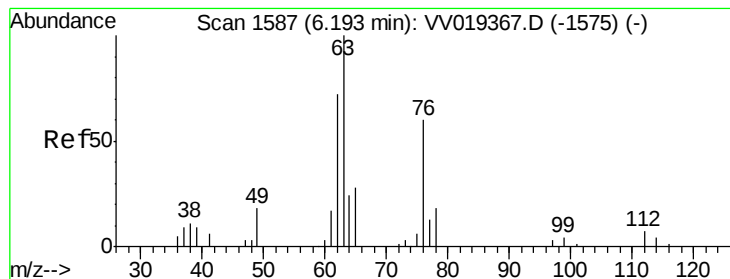


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 50.027 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

Instrument :

MSVOA_V

ClientSampleId :

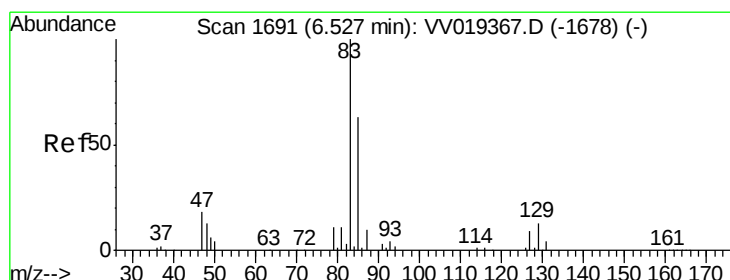
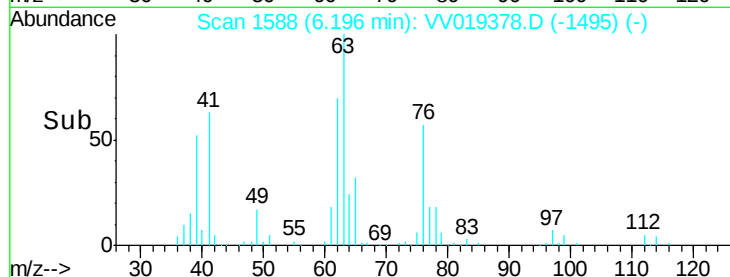
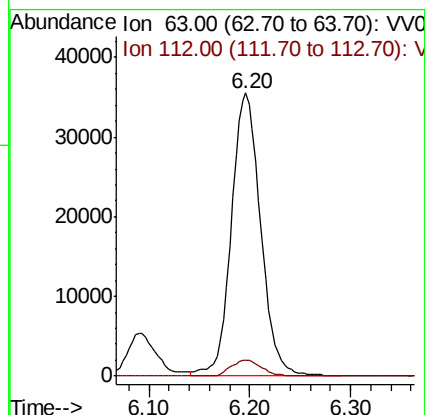
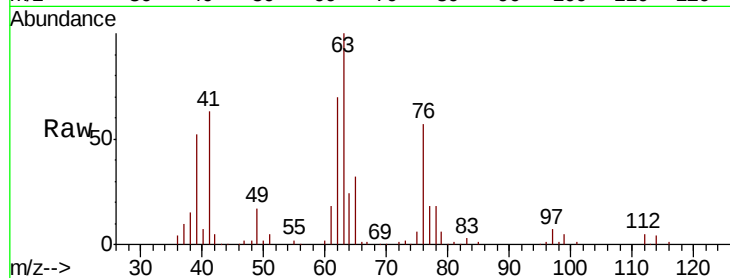
VSTD05098

Tot Ion: 63 Resp: 71390

Ion Ratio Lower Upper

63 100

112 5.8 4.6 6.8



#38

Bromodichloromethane

Concen: 49.961 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

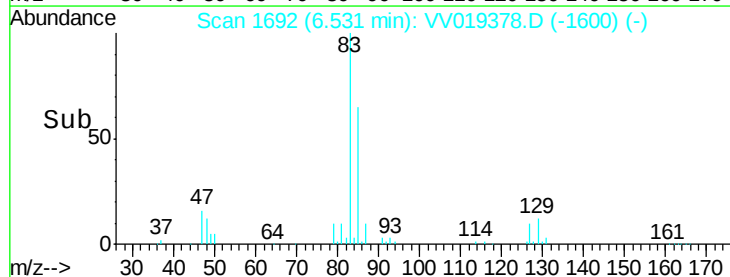
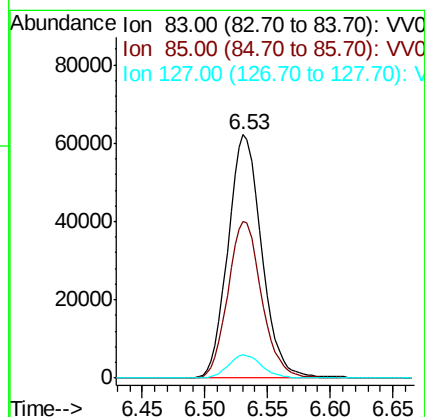
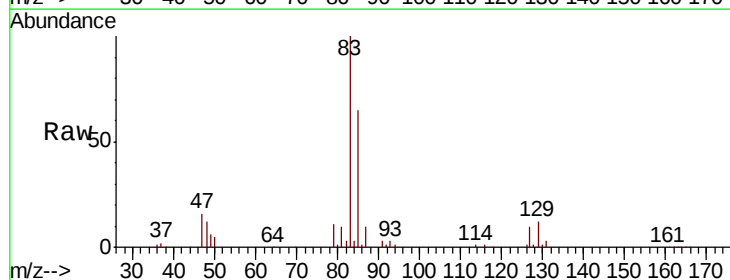
Tgt Ion: 83 Resp: 115891

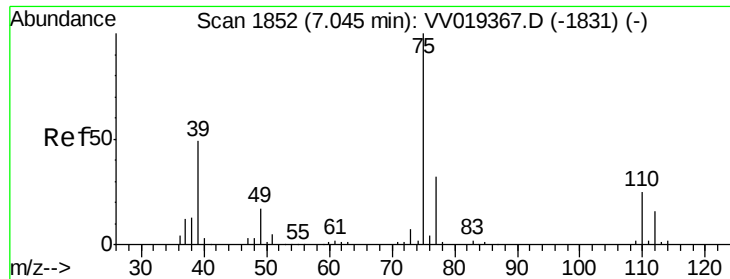
Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.7

127 9.6 7.2 10.8

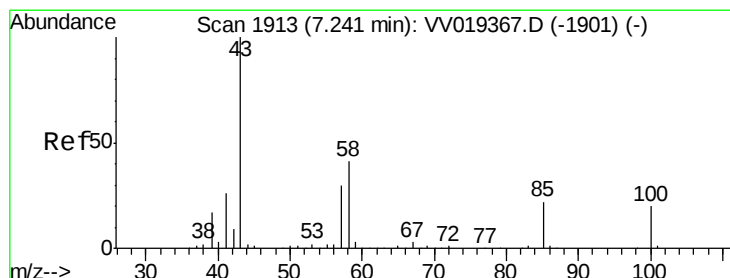
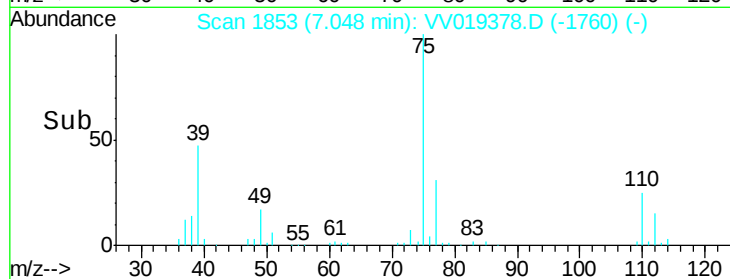
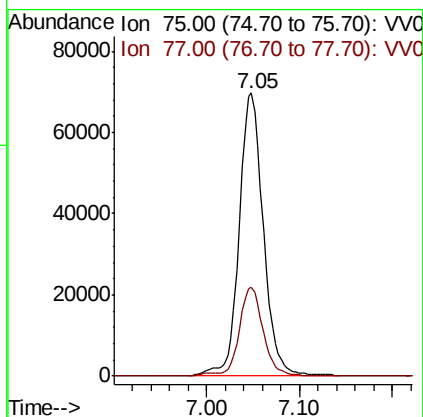
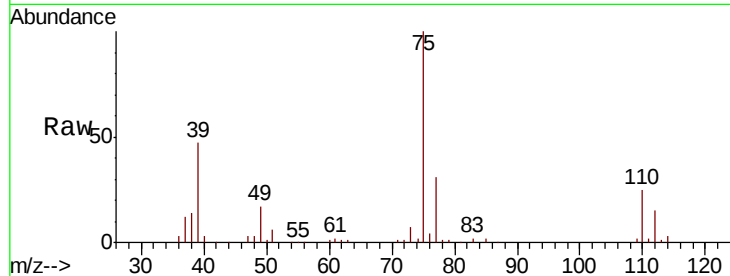




#39
 cis-1,3-Dichloropropene
 Concen: 51.738 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV019378.D
 Acq: 13 Nov 2020 15:31

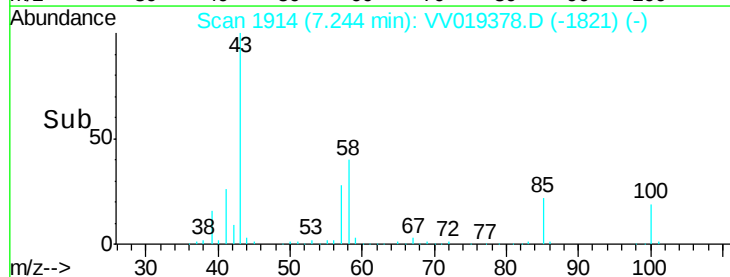
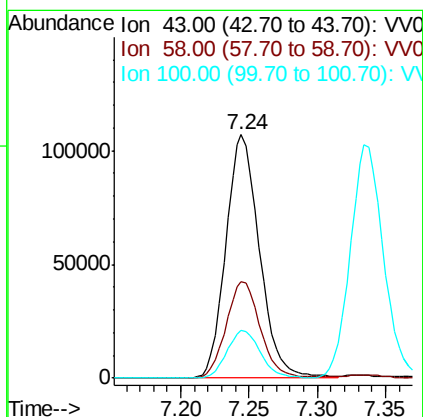
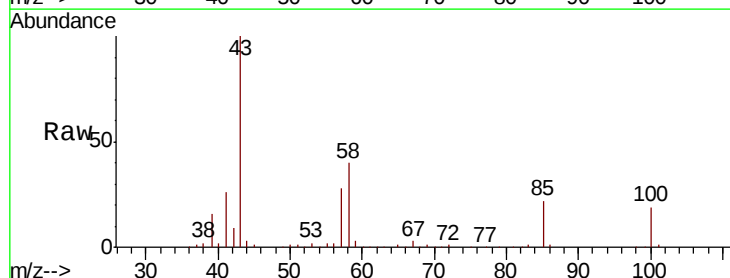
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

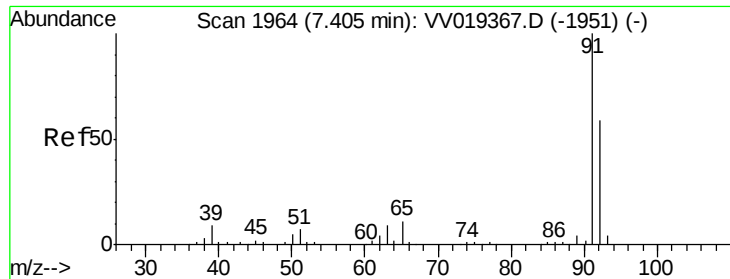
Tot Ion: 75 Resp: 126581
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 101.985 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019378.D
 Acq: 13 Nov 2020 15:31

Tgt Ion: 43 Resp: 183634
 Ion Ratio Lower Upper
 43 100
 58 40.1 32.7 49.1
 100 19.6 15.9 23.9





#42

Toluene

Concen: 51.023 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

Instrument :

MSVOA_V

ClientSampleId :

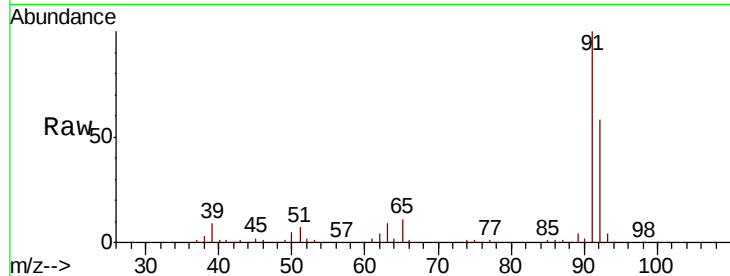
VSTD05098

Tot Ion: 91 Resp: 336991

Ion Ratio Lower Upper

91 100

92 58.1 40.5 75.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

200000

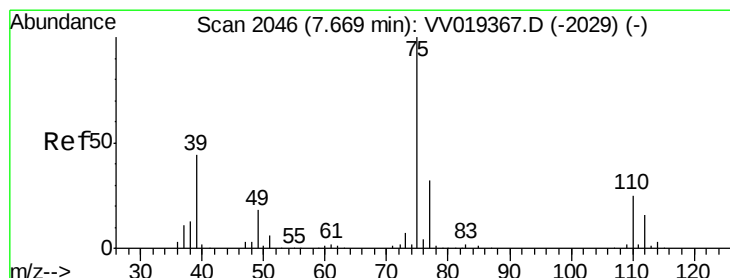
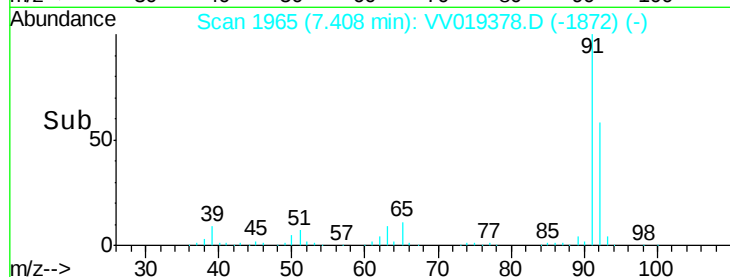
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 50.430 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV019378.D

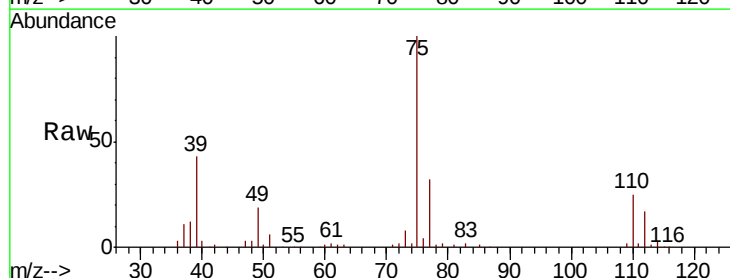
Acq: 13 Nov 2020 15:31

Tgt Ion: 75 Resp: 131419

Ion Ratio Lower Upper

75 100

77 32.1 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

80000

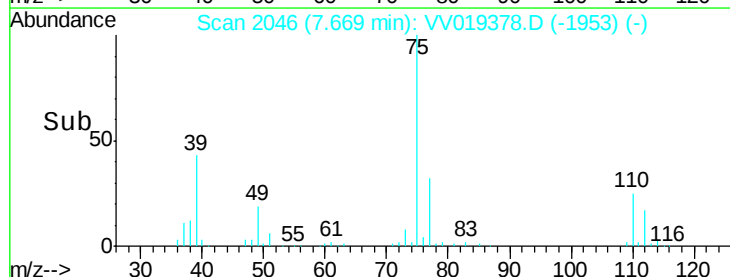
60000

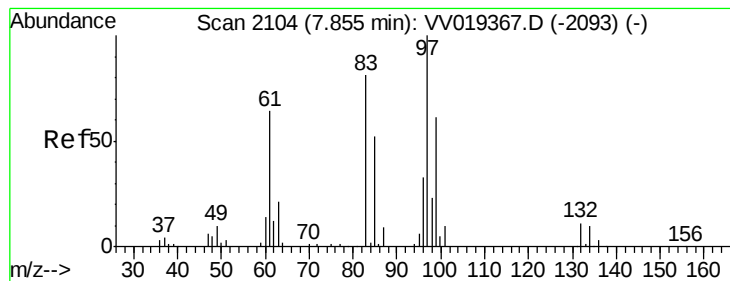
40000

20000

0

Time--> 7.60 7.70 7.80





#45

1,1,2-Trichloroethane

Concen: 50.237 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. -0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

Tot Ion: 97 Resp: 77761

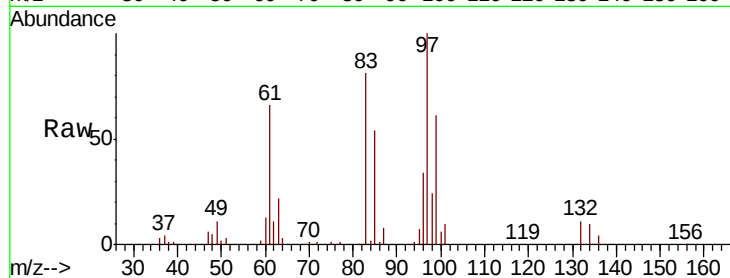
Ion Ratio Lower Upper

97 100

99 61.4 42.5 78.9

83 80.9 58.1 107.9

85 53.5 37.2 69.0

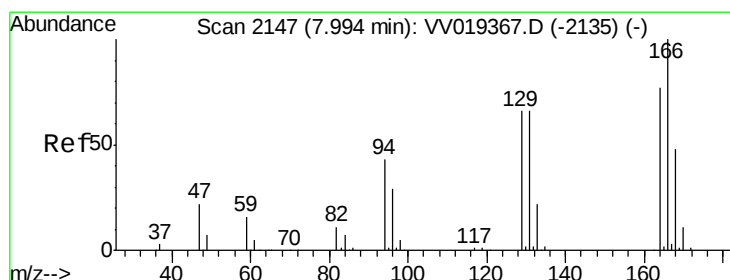
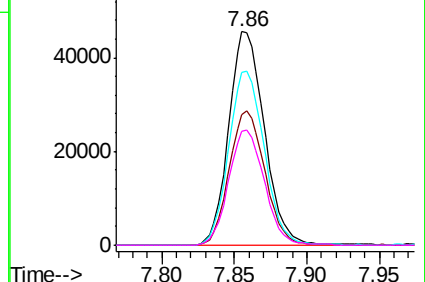
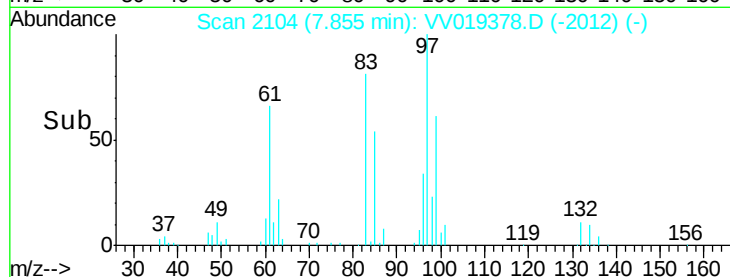


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 50.623 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

Tgt Ion: 164 Resp: 78964

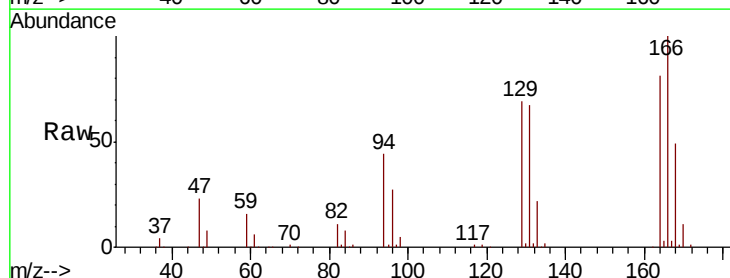
Ion Ratio Lower Upper

164 100

129 84.6 60.9 113.1

131 82.7 58.9 109.5

166 122.8 91.4 169.8

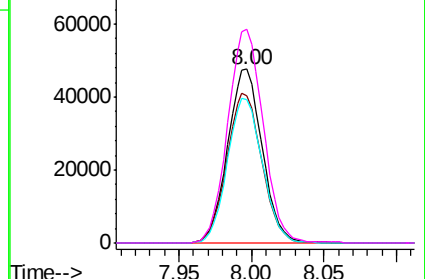
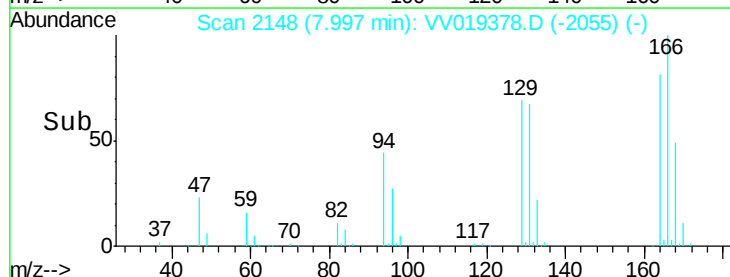


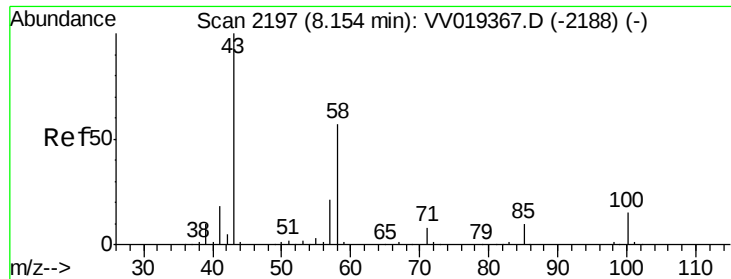
Abundance Ion 164.00 (163.70 to 164.70): V

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

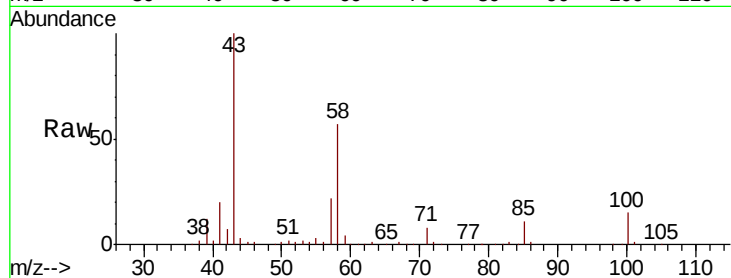




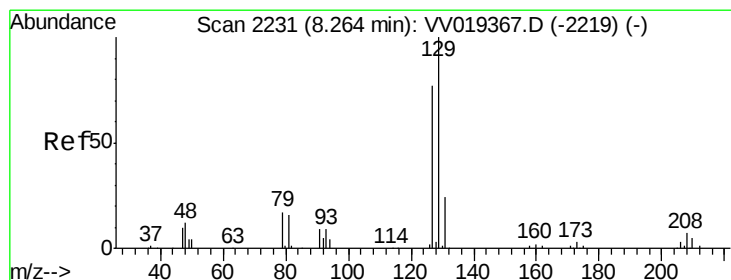
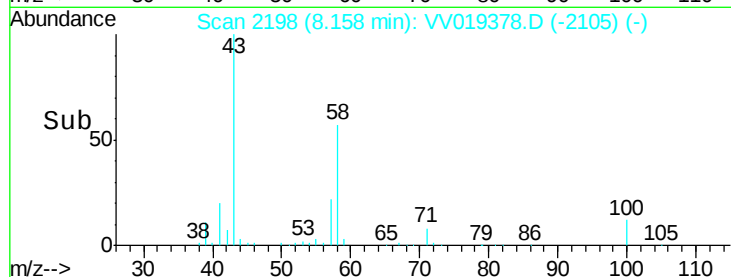
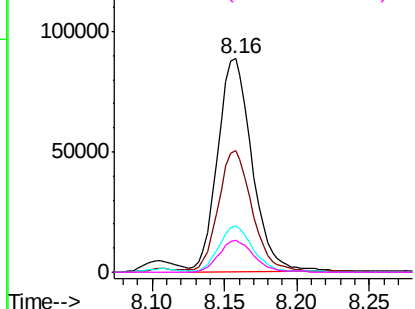
#48
2-Hexanone
Concen: 102.691 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019378.D
Acq: 13 Nov 2020 15:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

Tot Ion: 43 Resp: 144912
Ion Ratio Lower Upper
43 100
58 56.6 43.6 65.4
57 21.1 17.2 25.8
100 15.3 11.9 17.9

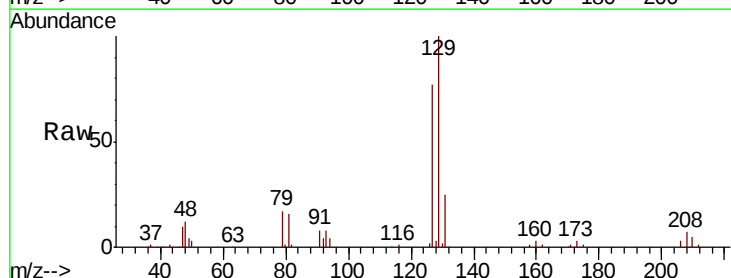


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

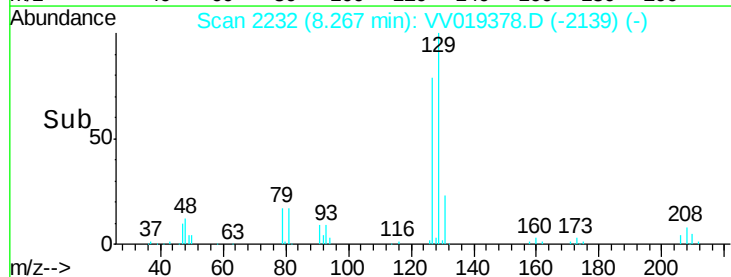
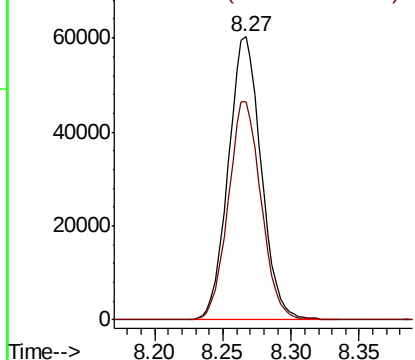


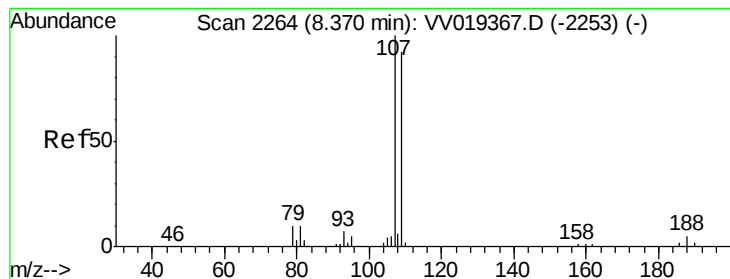
#49
Dibromochloromethane
Concen: 50.752 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019378.D
Acq: 13 Nov 2020 15:31

Tgt Ion: 129 Resp: 100818
Ion Ratio Lower Upper
129 100
127 77.1 54.9 102.1



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





#50

1,2-Dibromoethane

Concen: 50.520 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. -0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

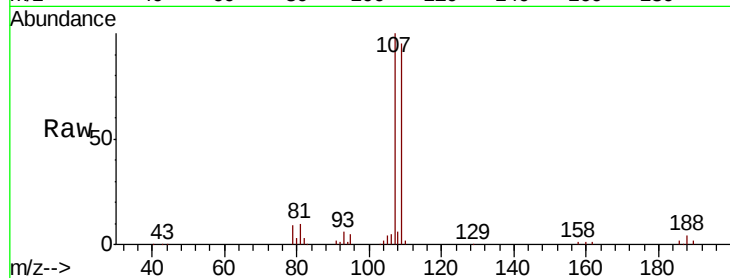
Tot Ion:107 Resp: 85555

Ion Ratio Lower Upper

107 100

109 94.7 62.9 116.9

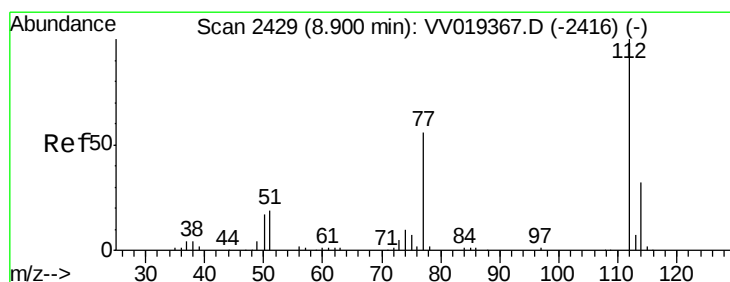
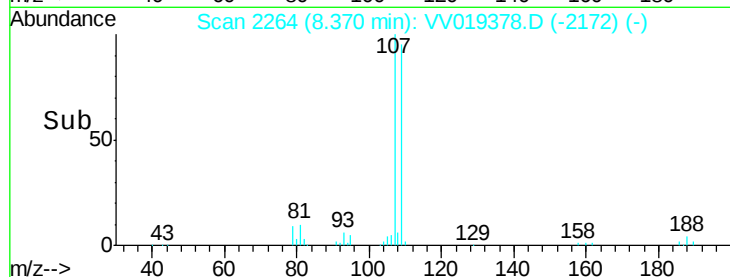
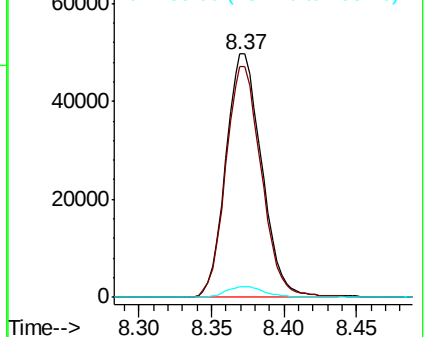
188 4.4 3.6 5.4



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: 49.865 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

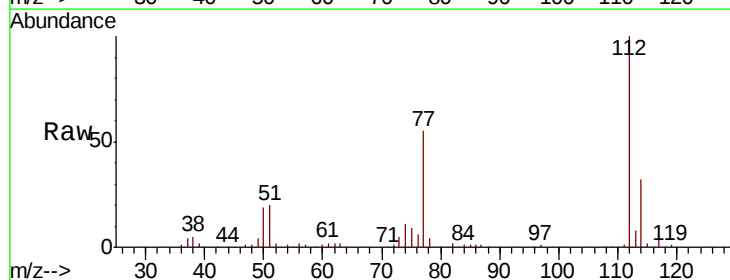
Tgt Ion:112 Resp: 226492

Ion Ratio Lower Upper

112 100

114 32.0 21.8 40.6

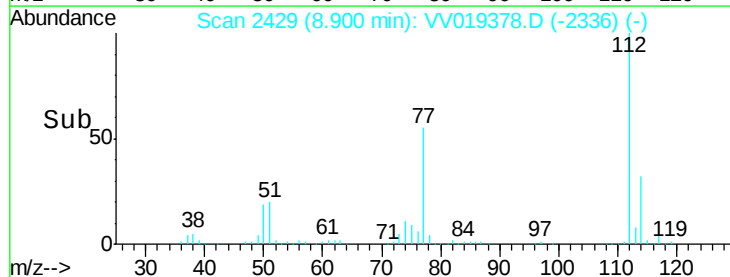
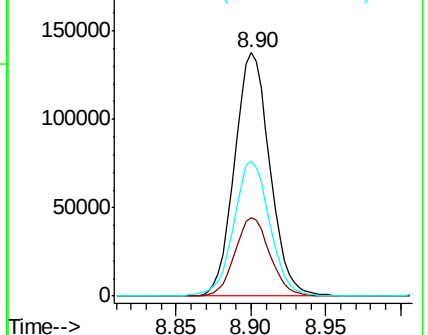
77 55.4 45.1 67.7

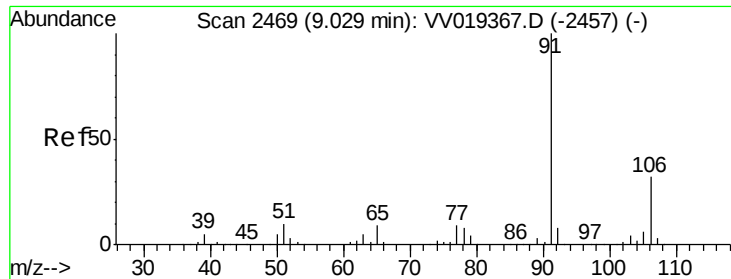


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 50.964 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

Instrument :

MSVOA_V

ClientSampleId :

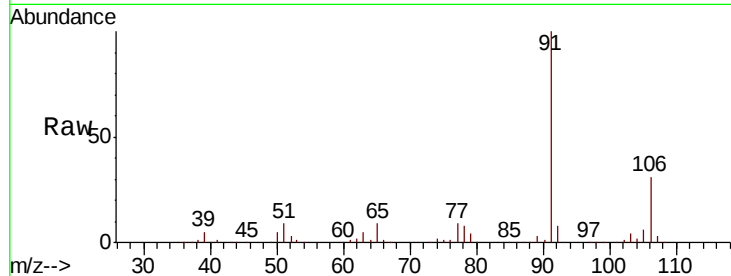
VSTD05098

Tot Ion: 91 Resp: 376446

Ion Ratio Lower Upper

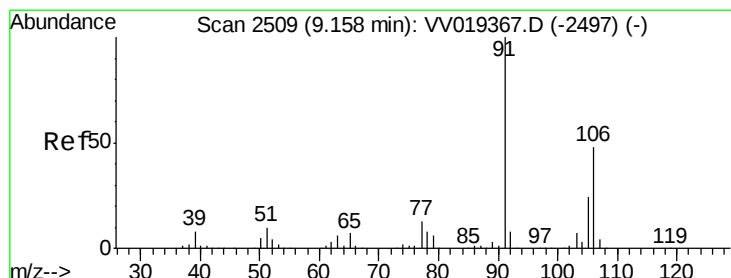
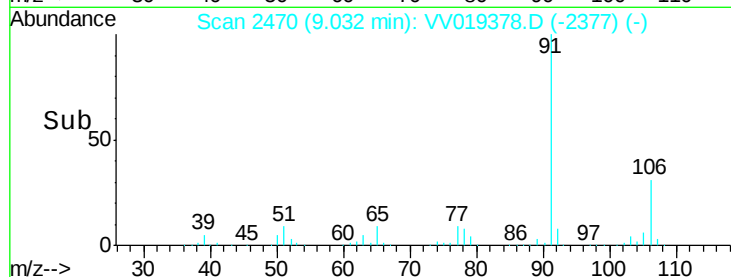
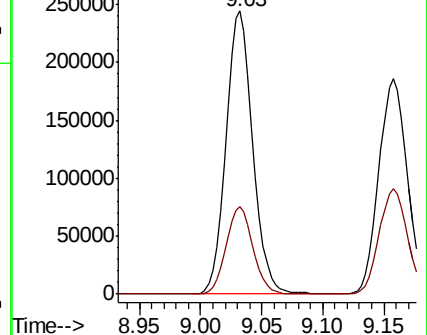
91 100

106 30.8 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV019378.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV019378.D (-2457) (-)



#53

m,p-Xylene

Concen: 51.057 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019378.D

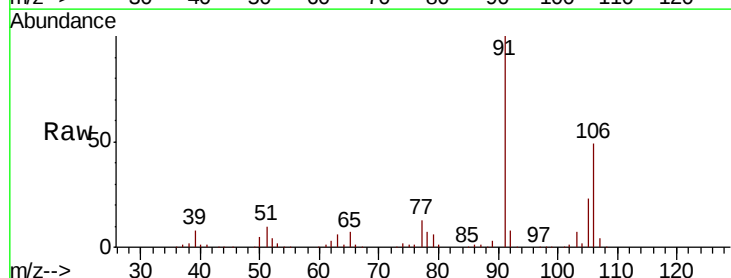
Acq: 13 Nov 2020 15:31

Tgt Ion: 106 Resp: 146036

Ion Ratio Lower Upper

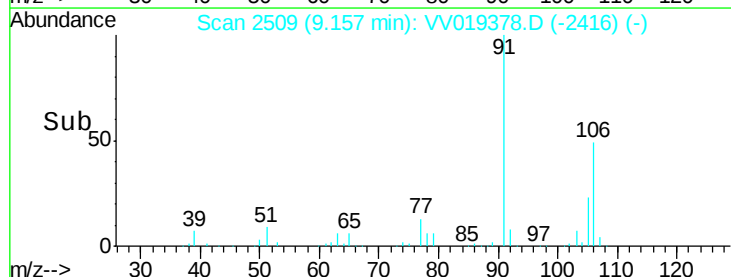
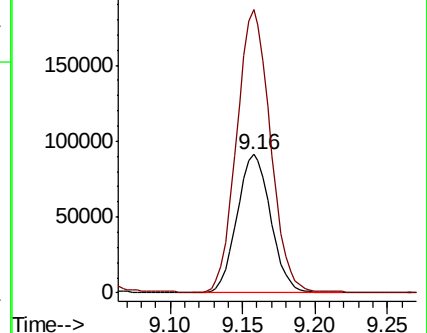
106 100

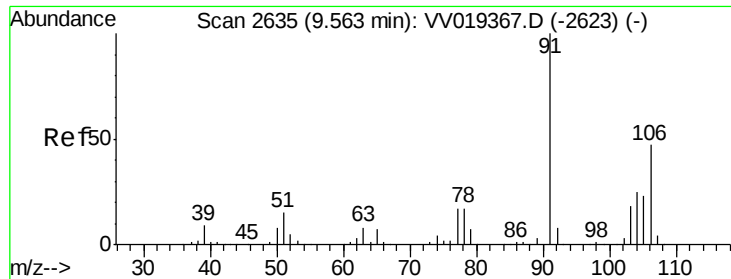
91 204.5 144.9 269.1



Abundance Ion 106.00 (105.70 to 106.70): VV019378.D (-2497) (-)

Ion 91.00 (90.70 to 91.70): VV019378.D (-2497) (-)





#54

o-xylene

Concen: 51.122 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

Instrument :

MSVOA_V

ClientSampleId :

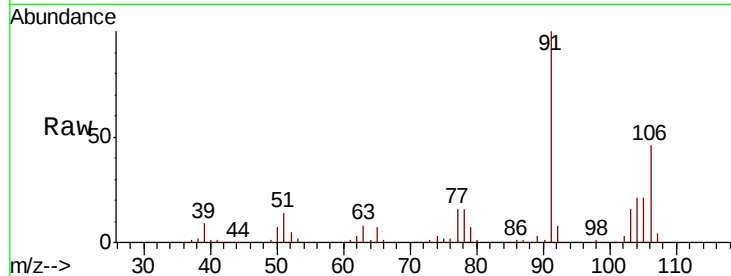
VSTD05098

Tot Ion:106 Resp: 141404

Ion Ratio Lower Upper

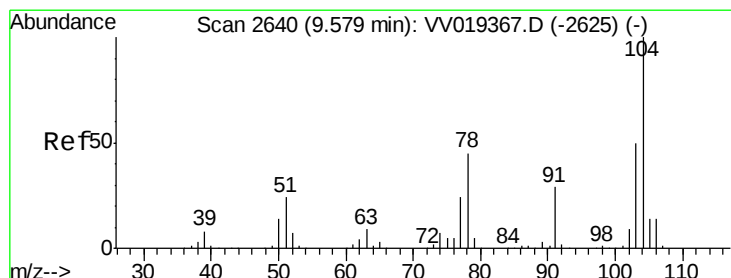
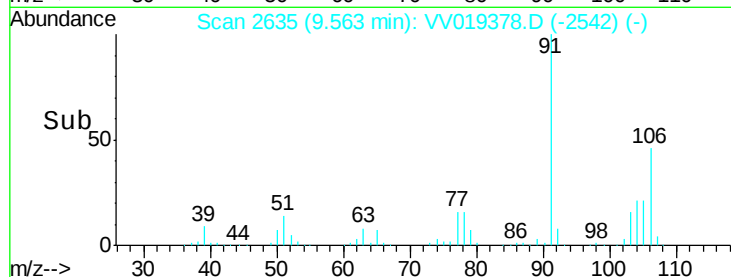
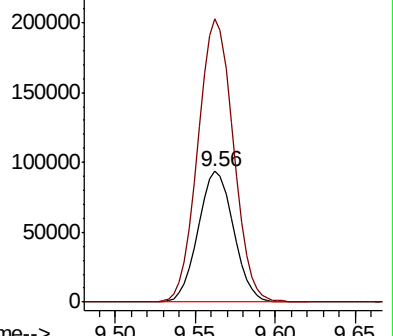
106 100

91 216.8 149.3 277.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.124 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019378.D

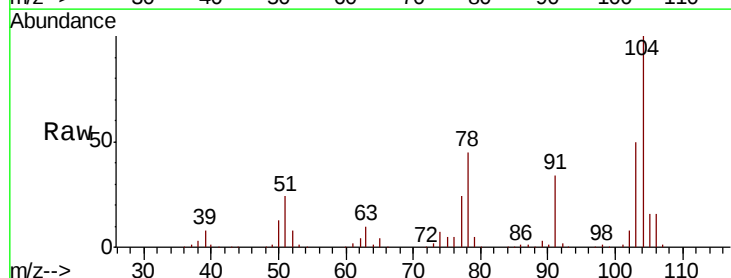
Acq: 13 Nov 2020 15:31

Tgt Ion:104 Resp: 259862

Ion Ratio Lower Upper

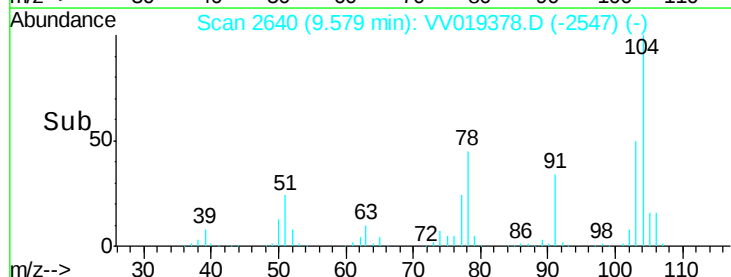
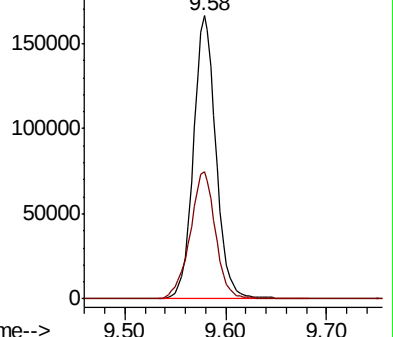
104 100

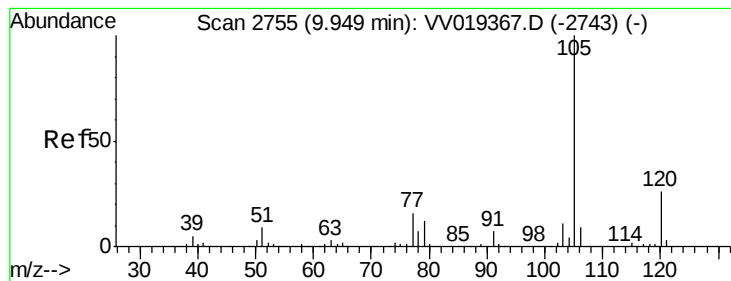
78 45.1 33.0 61.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.879 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

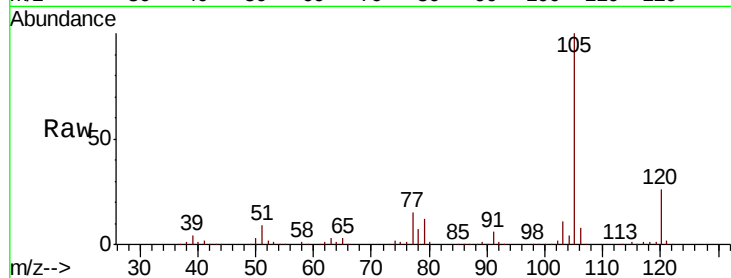
Tot Ion:105 Resp: 385302

Ion Ratio Lower Upper

105 100

120 26.3 21.3 31.9

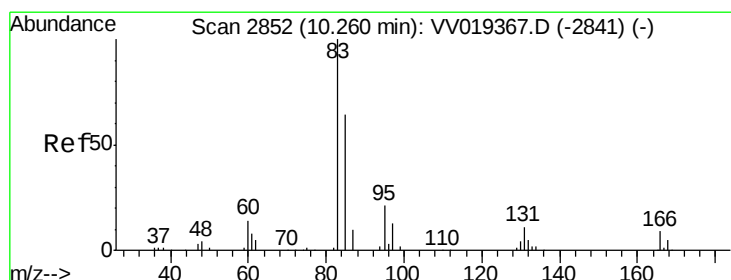
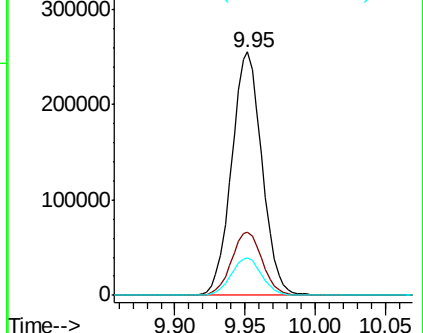
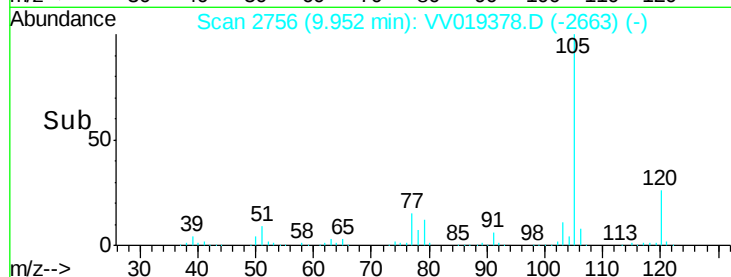
77 15.5 12.6 18.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.829 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

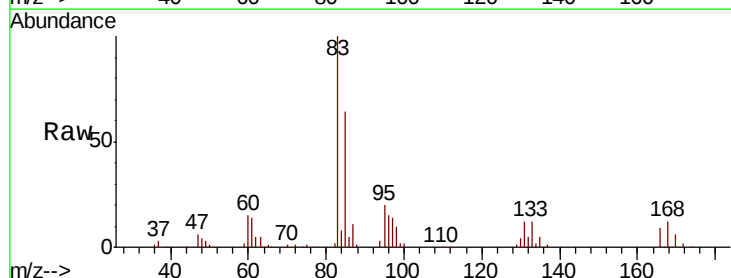
Tgt Ion: 83 Resp: 109624

Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.9

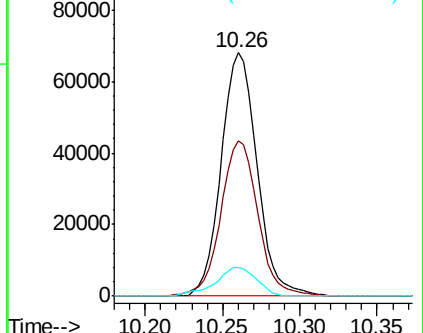
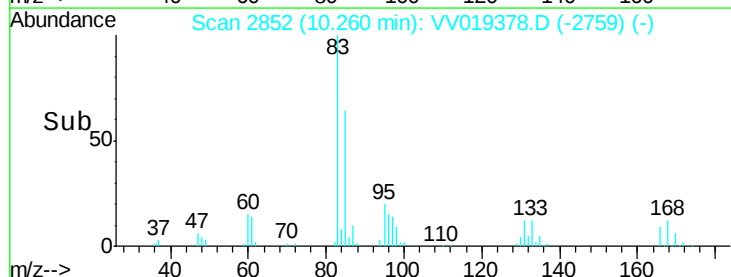
131 11.9 9.6 14.4

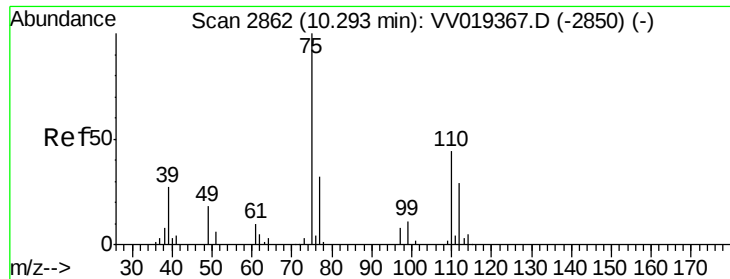


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.252 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

Instrument :

MSVOA_V

ClientSampleId :

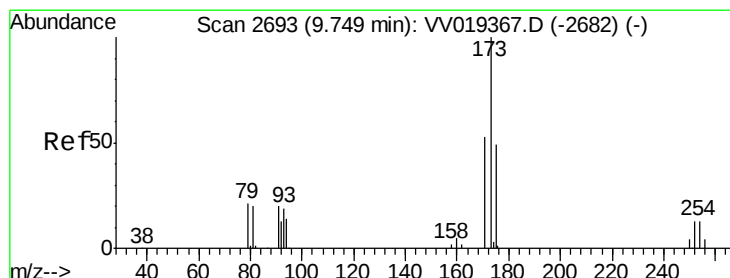
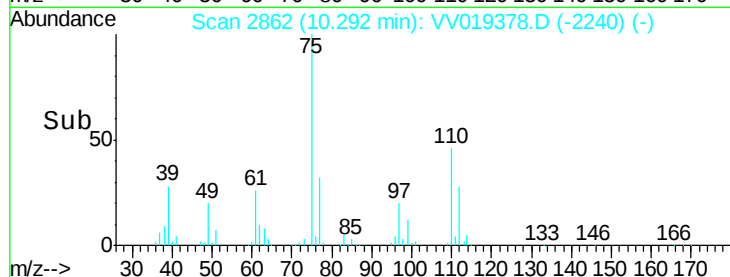
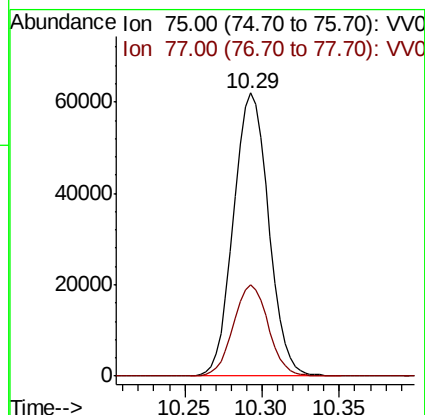
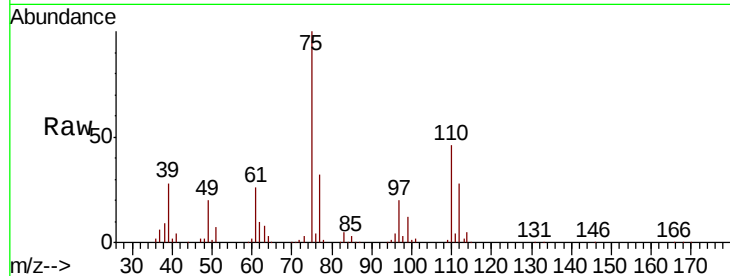
VSTD05098

Tot Ion: 75 Resp: 97933

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4



#61

Bromoform

Concen: 49.306 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

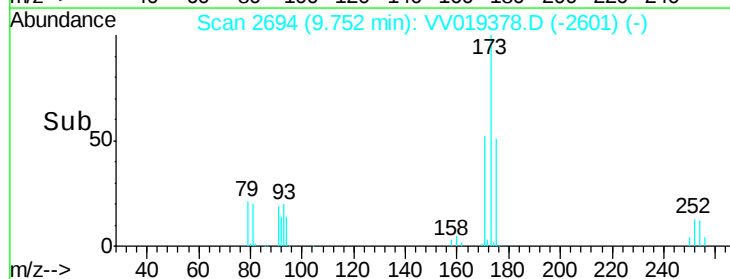
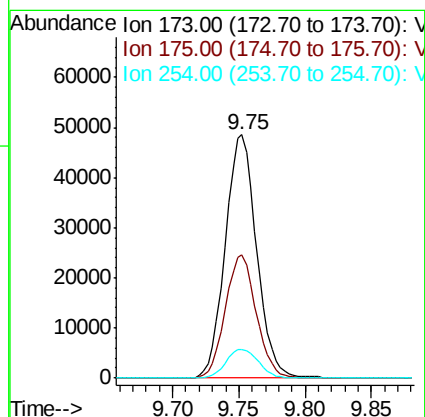
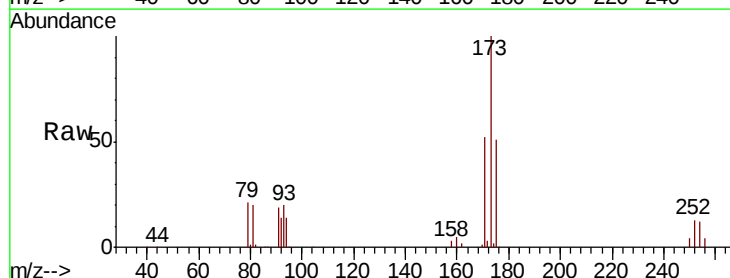
Tgt Ion: 173 Resp: 79864

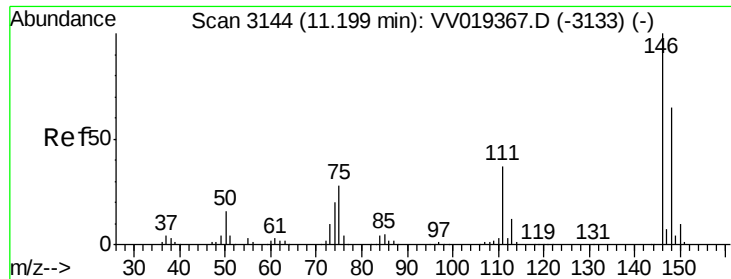
Ion Ratio Lower Upper

173 100

175 49.8 38.3 57.5

254 12.2 10.3 15.5

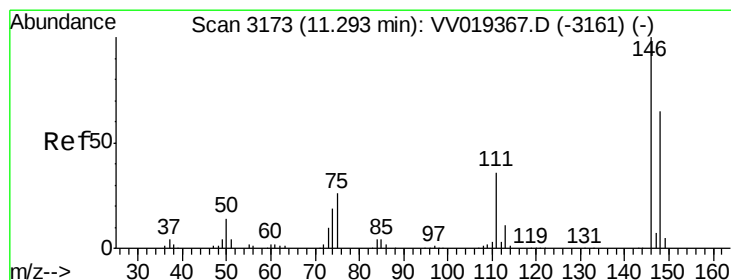
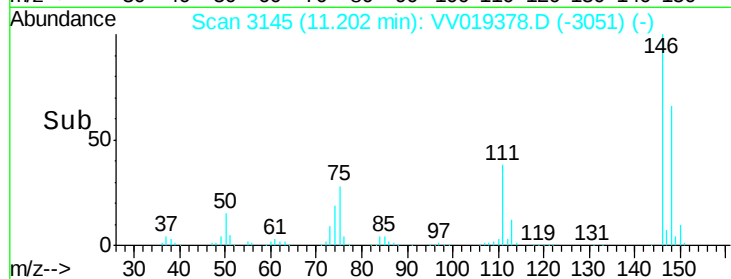
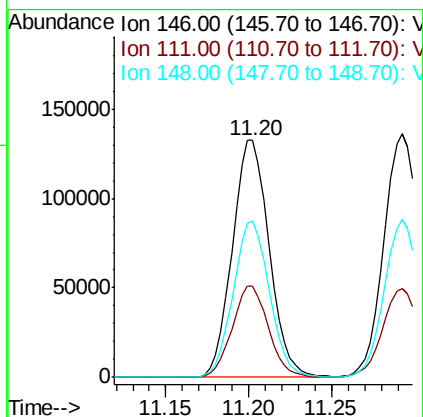
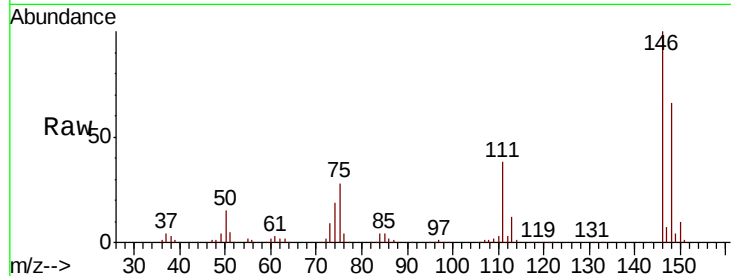




#62
 1,3-Dichlorobenzene
 Concen: 51.269 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV019378.D
 Acq: 13 Nov 2020 15:31

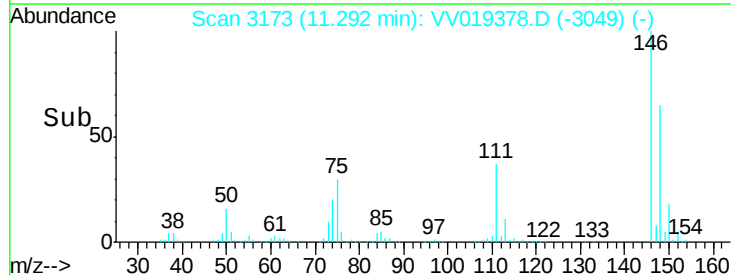
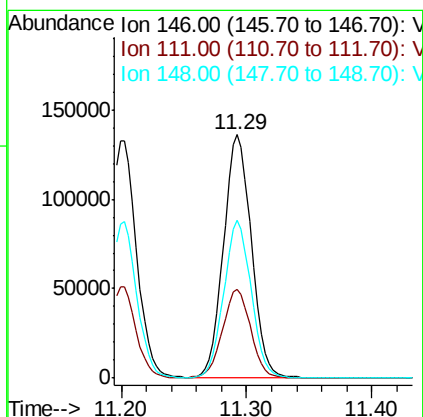
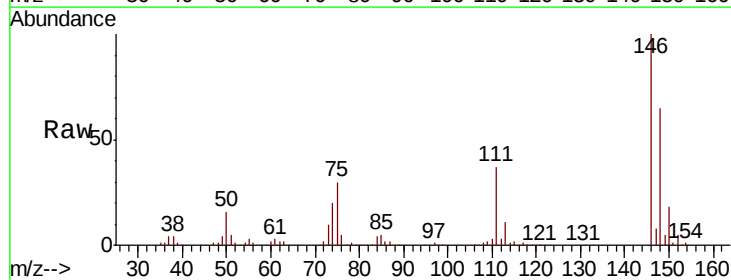
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

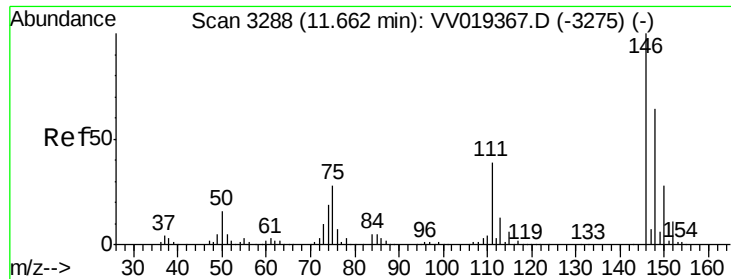
Tot Ion:146 Resp: 204934
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.5 49.3
 148 66.1 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 49.991 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019378.D
 Acq: 13 Nov 2020 15:31

Tgt Ion:146 Resp: 209037
 Ion Ratio Lower Upper
 146 100
 111 36.6 25.1 46.7
 148 64.7 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 50.193 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

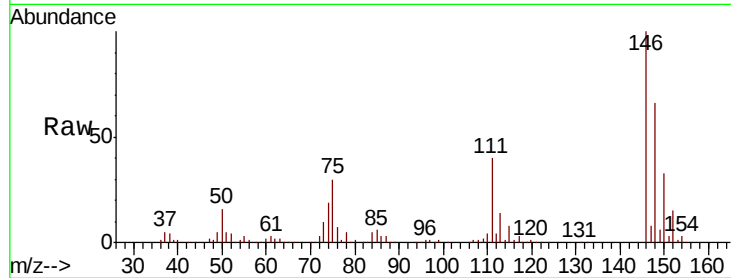
Tot Ion:146 Resp: 203000

Ion Ratio Lower Upper

146 100

111 40.1 30.6 45.8

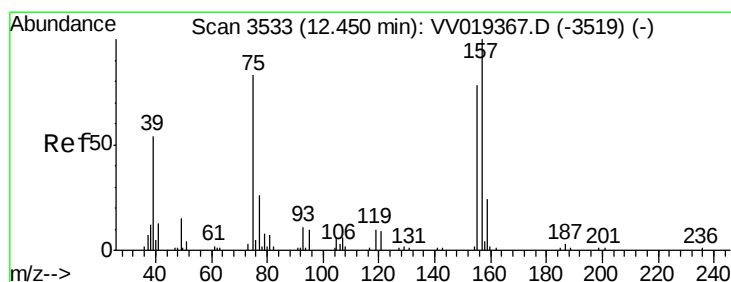
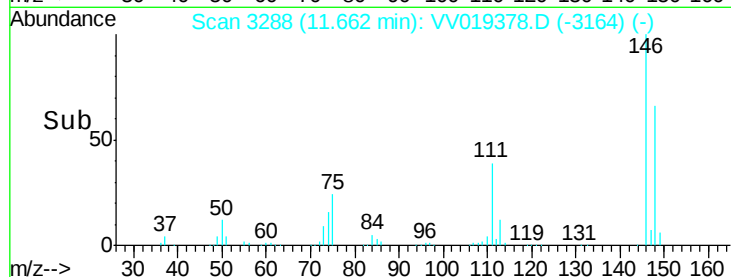
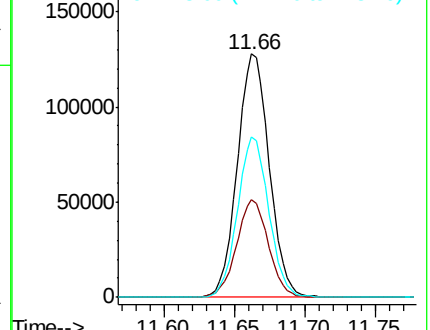
148 65.7 50.6 75.8



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: 51.296 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

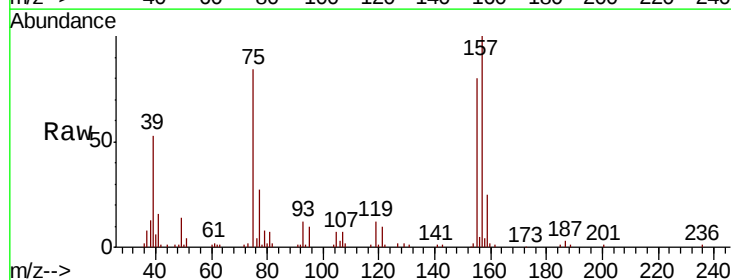
Tgt Ion: 75 Resp: 29966

Ion Ratio Lower Upper

75 100

155 95.0 72.2 108.2

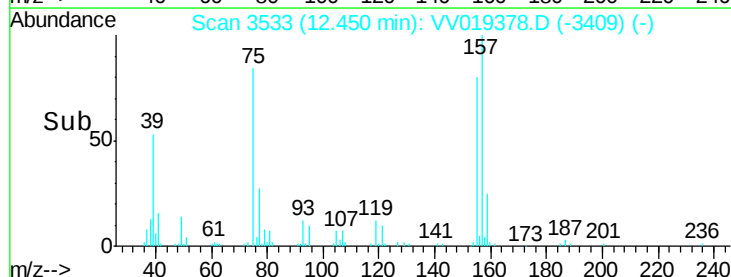
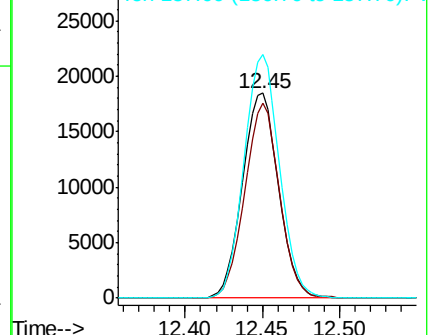
157 119.0 94.1 141.1

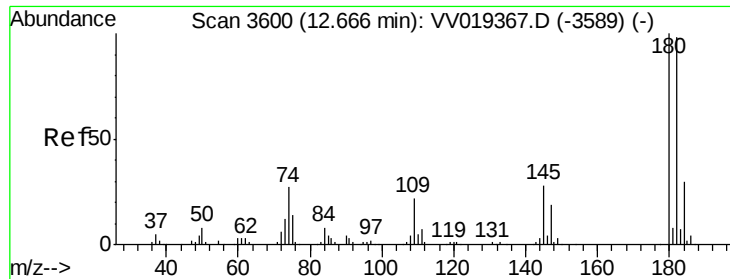


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

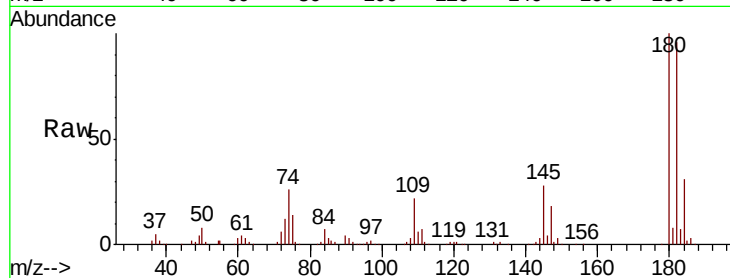




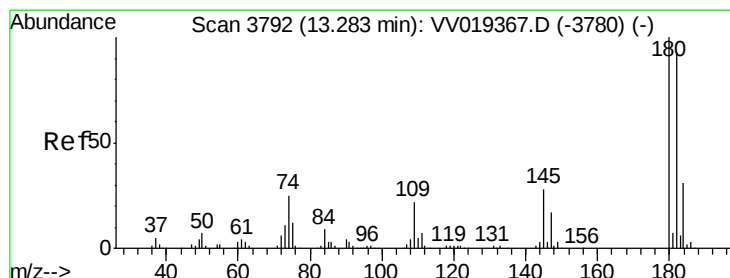
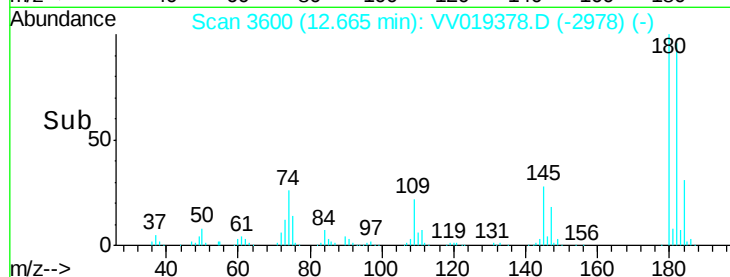
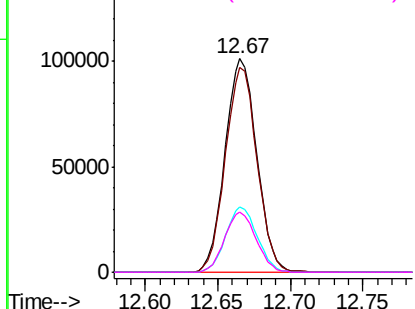
#67
 1,3,5-Trichlorobenzene
 Concen: 50.200 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019378.D
 Acq: 13 Nov 2020 15:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

Tot Ion:180 Resp: 153829
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.5 114.7
 184 30.4 24.6 36.8
 145 27.8 22.4 33.6

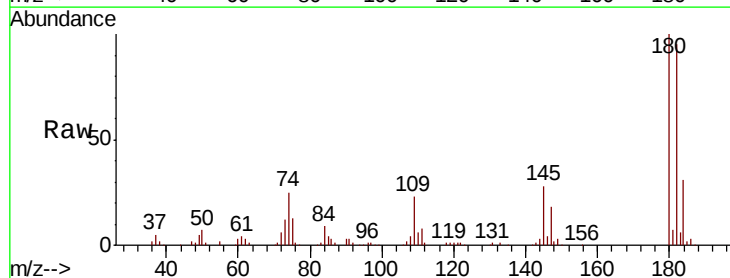


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

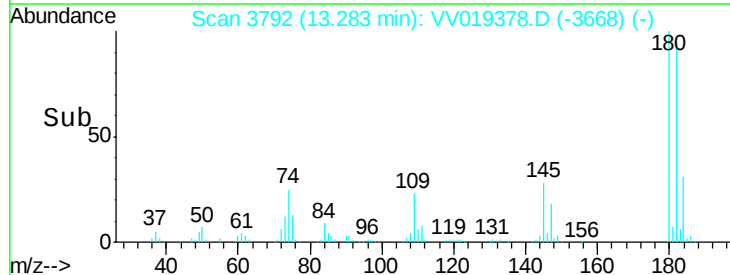
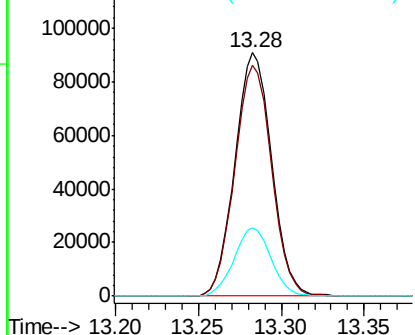


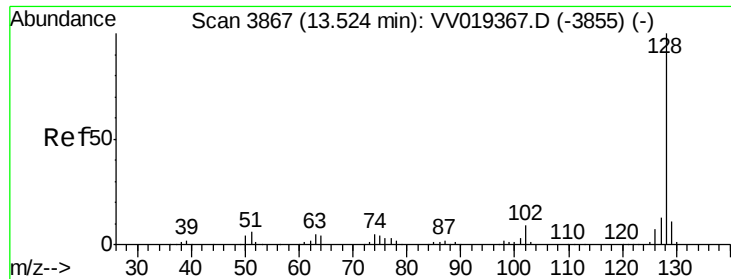
#68
 1,2,4-trichlorobenzene
 Concen: 50.835 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019378.D
 Acq: 13 Nov 2020 15:31

Tgt Ion:180 Resp: 140136
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.0 115.4
 145 28.2 22.5 33.7



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





#69

Naphthalene

Concen: 50.172 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

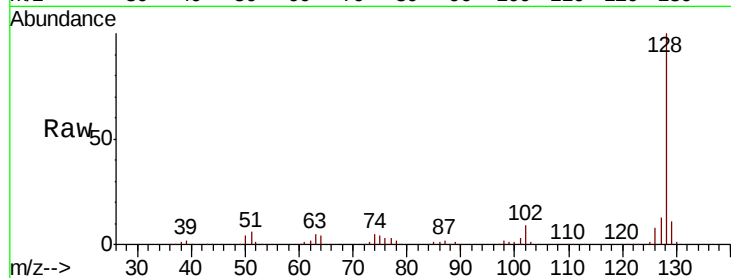
Tot Ion:128 Resp: 326630

Ion Ratio Lower Upper

128 100

127 13.4 10.9 16.3

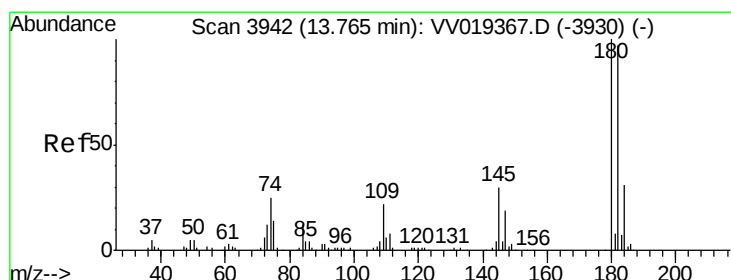
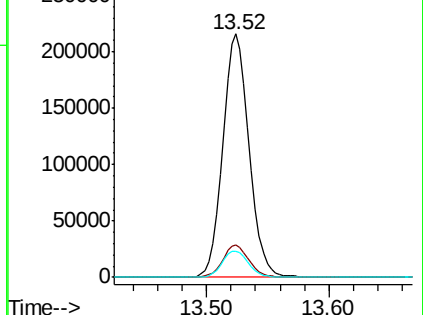
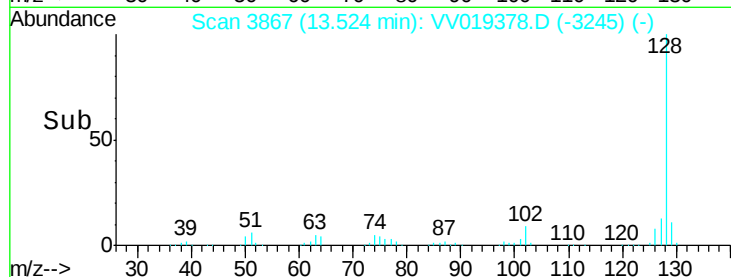
129 11.0 8.7 13.1



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: 51.462 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019378.D

Acq: 13 Nov 2020 15:31

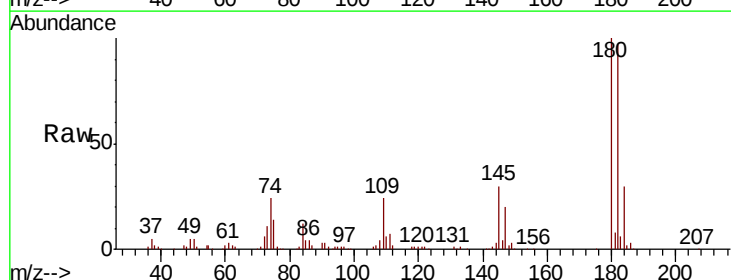
Tgt Ion:180 Resp: 142749

Ion Ratio Lower Upper

180 100

182 96.4 76.0 114.0

145 29.5 24.2 36.2



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

