

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071420\
 Data File : VV017482.D
 Acq On : 14 Jul 2020 14:29
 Operator : SY/MD
 Sample : L3281-23
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAXY3

Quant Time: Jul 15 03:06:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 15 02:49:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	148133	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	142145	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	74690	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38455	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	1.58	69	31000	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.13	63	78216	4.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.00%
20) 2-Butanone-d5	3.96	46	84244	47.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.30%
24) Chloroform-d	4.38	84	84622	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.06	65	49356	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.08	84	156198	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.10	67	42813	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.34	98	143846	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
45) trans-1,3-Dichloropropene-	7.65	79	20753	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
48) 2-Hexanone-d5	8.12	63	66263	50.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.42%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	29716	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	61703	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	36660	3.068	ug/L 100
6) Bromomethane	1.53	94	23663	3.279	ug/L 96
9) Trichlorofluoromethane	1.77	101	144636	6.616	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1081	0.108	ug/L # 41
12) 1,1-Dichloroethene	2.14	96	27848	3.125	ug/L 90
13) Acetone	2.23	43	96088	74.857	ug/L 88
14) Carbon disulfide	2.31	76	122520	4.441	ug/L 100
15) Methyl Acetate	2.23	43	92968	37.495	ug/L # 50
16) Methylene chloride	2.53	84	20280	1.889	ug/L 93
17) Methyl tert-butyl Ether	2.79	73	179365	8.099	ug/L 97
19) 1,1-Dichloroethane	3.21	63	149358	8.087	ug/L 98
21) 2-Butanone	4.04	43	206871	104.262	ug/L # 42
25) Chloroform	4.41	83	2045	0.103	ug/L 96
27) 1,2-Dichloroethane	5.16	62	90248	6.923	ug/L 100
29) 1,1,1-Trichloroethane	4.64	97	154023	7.663	ug/L 96
30) Cyclohexane	4.70	56	155221	10.145	ug/L 98
31) Carbon tetrachloride	4.64	117	18413	0.990	ug/L 98

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

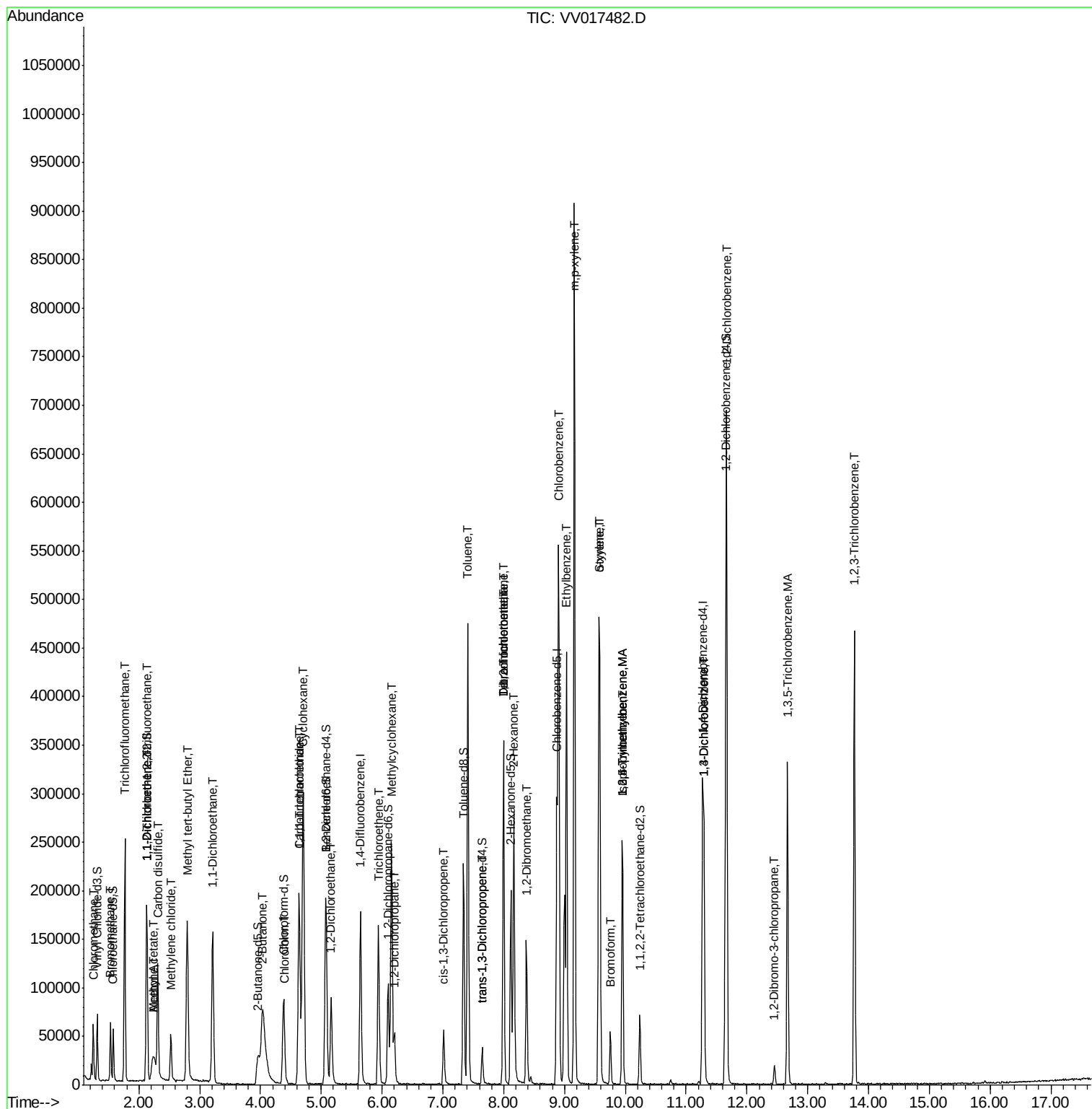
34) Trichloroethene	5.94	95	52864	4.578	ug/L	97
35) Methylcyclohexane	6.15	83	99716	5.868	ug/L	98
37) 1,2-Dichloropropane	6.20	63	16980	1.939	ug/L	97
39) cis-1,3-Dichloropropene	7.01	75	1667	0.118	ug/L #	83
42) Toluene	7.41	91	334406	8.007	ug/L	99
43) 1,3,5-Trimethylbenzene	9.95	105	150588	3.633	ug/L #	70
44) 1,2,4-Trimethylbenzene	9.95	105	150588	3.647	ug/L #	74
46) trans-1,3-Dichloropropene	7.65	75	872	0.070	ug/L #	13
47) 1,1,2-Trichloroethane	8.00	97	691	0.106	ug/L #	52
49) Tetrachloroethene	8.00	164	76875	7.822	ug/L	96
50) 2-Hexanone	8.16	43	174701	51.382	ug/L	99
51) Dibromochloromethane	8.00	129	68141	7.559	ug/L #	13
52) 1,2-Dibromoethane	8.38	107	92290	14.401	ug/L	98
53) Chlorobenzene	8.90	112	280277	10.019	ug/L	99
54) Ethylbenzene	9.03	91	289462	6.056	ug/L	99
55) m,p-xylene	9.16	106	227187	12.569	ug/L	98
56) o-xylene	9.57	106	88713	5.074	ug/L	96
57) Styrene	9.58	104	150971	5.131	ug/L	99
58) Isopropylbenzene	9.95	105	150588	3.042	ug/L	99
62) Bromoform	9.75	173	23461	4.884	ug/L	98
63) 1,3-Dichlorobenzene	11.30	146	96564	4.158	ug/L	99
64) 1,4-Dichlorobenzene	11.30	146	96564	4.189	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	246628	11.719	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	4794	3.698	ug/L	90
68) 1,3,5-Trichlorobenzene	12.67	180	99267	5.256	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	138364	10.344	ug/L	99

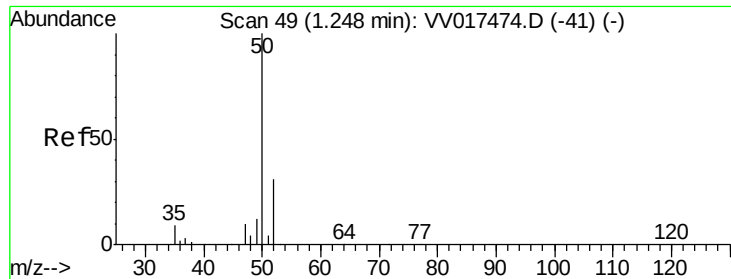
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 3.068 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017482.D

Acq: 14 Jul 2020 14:29

Instrument :

MSVOA_V

ClientSampleId :

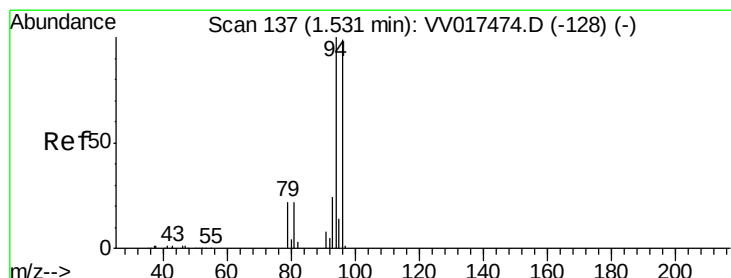
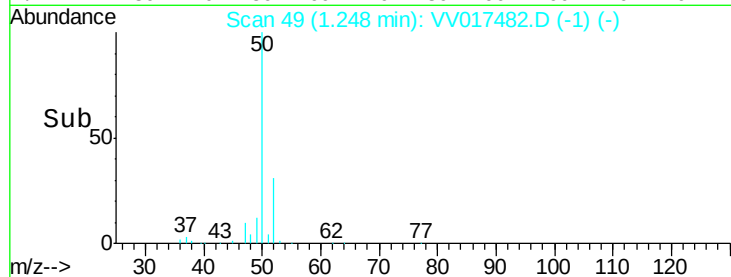
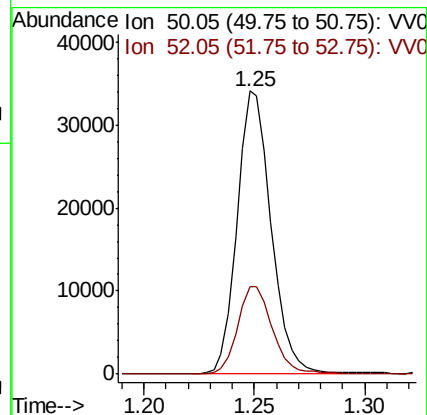
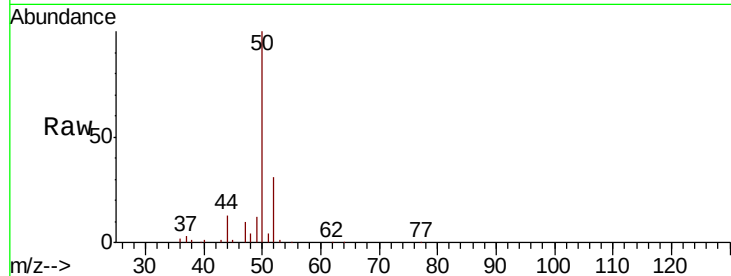
GAXY3

Tot Ion: 50 Resp: 36660

Ion Ratio Lower Upper

50 100

52 30.9 21.4 39.8



#6

Bromomethane

Concen: 3.279 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV017482.D

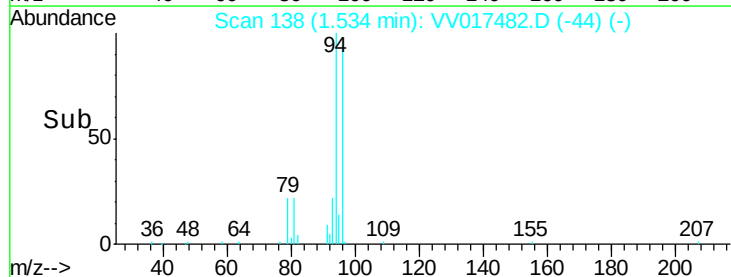
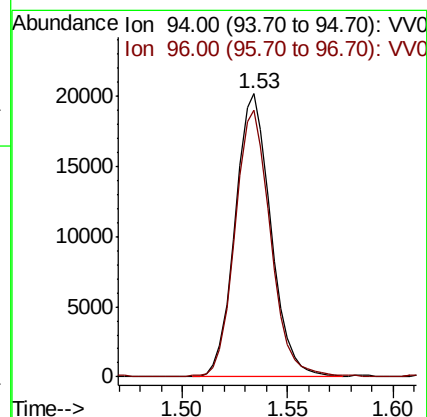
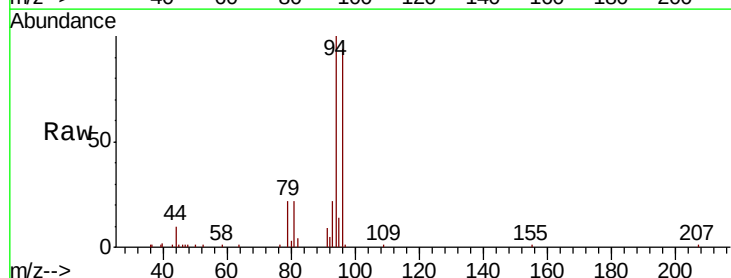
Acq: 14 Jul 2020 14:29

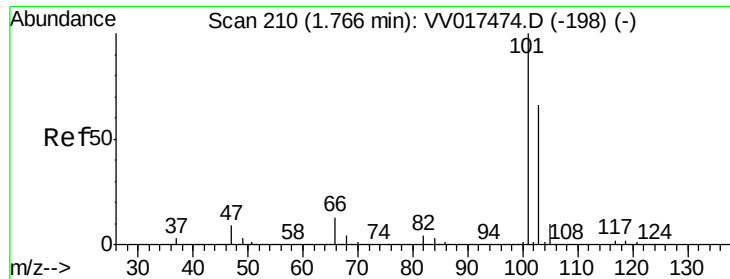
Tgt Ion: 94 Resp: 23663

Ion Ratio Lower Upper

94 100

96 94.2 69.0 128.2



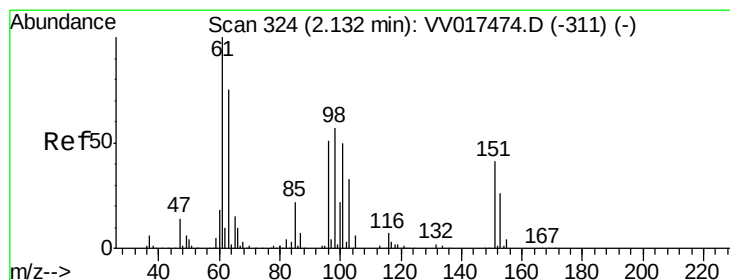
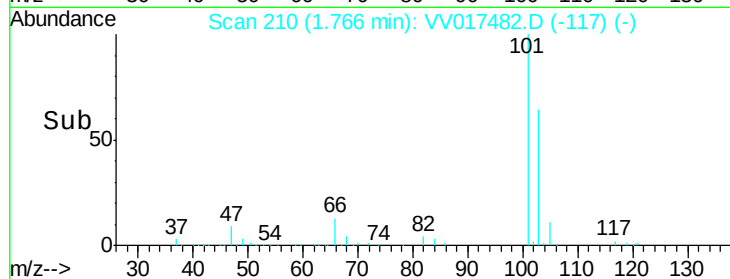
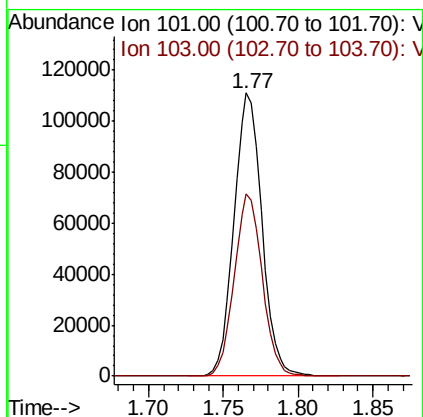
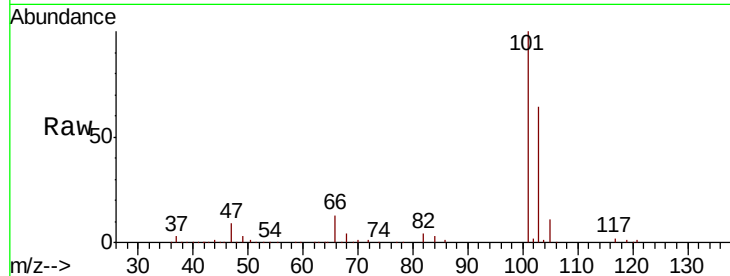


#9

Trichlorofluoromethane
 Concen: 6.616 ug/L
 RT: 1.77 min Scan# 210
 Delta R.T. -0.00 min
 Lab File: VV017482.D
 Acq: 14 Jul 2020 14:29

Instrument :
 MSVOA_V
 ClientSampleId :
 GAXY3

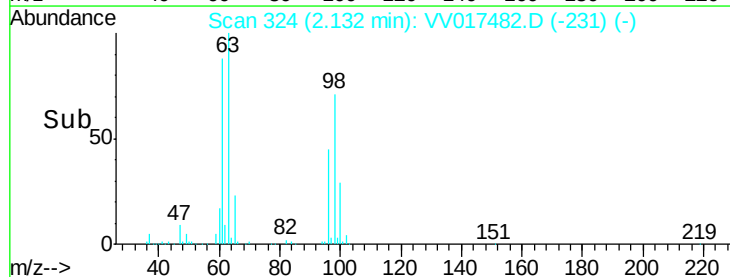
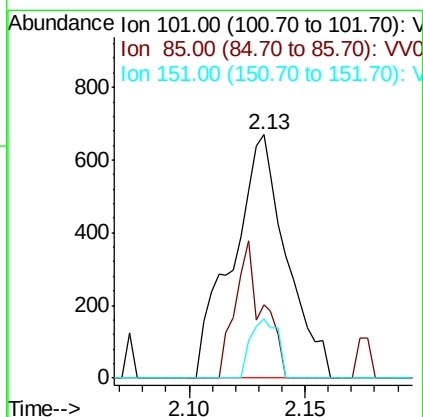
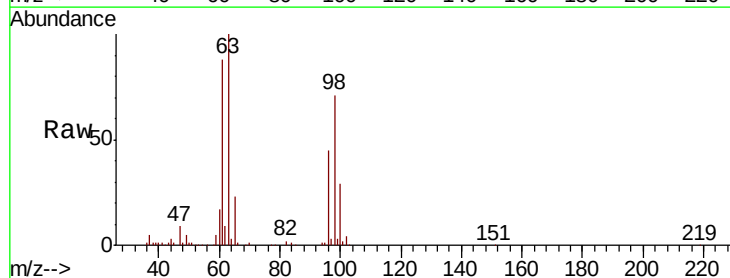
Tot Ion:101 Resp: 144636
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.3 78.5

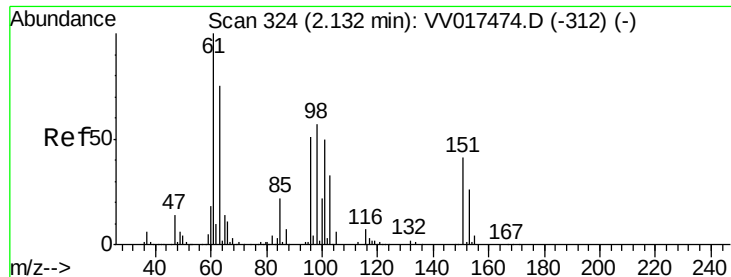


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.108 ug/L
 RT: 2.13 min Scan# 324
 Delta R.T. -0.00 min
 Lab File: VV017482.D
 Acq: 14 Jul 2020 14:29

Tgt Ion:101 Resp: 1081
 Ion Ratio Lower Upper
 101 100
 85 29.0 35.4 53.2#
 151 12.3 66.5 99.7#





#12

1,1-Dichloroethene

Concen: 3.125 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017482.D

Acq: 14 Jul 2020 14:29

Instrument :

MSVOA_V

ClientSampleId :

GAXY3

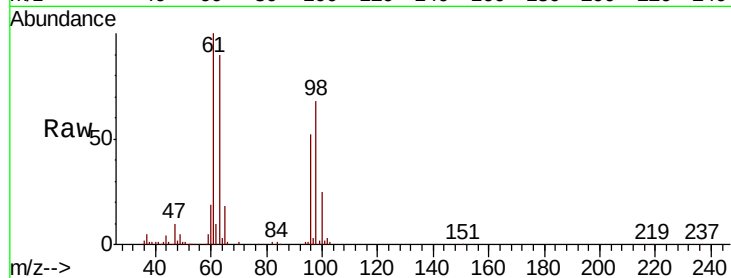
Tot Ion: 96 Resp: 27848

Ion Ratio Lower Upper

96 100

61 191.4 137.2 254.8

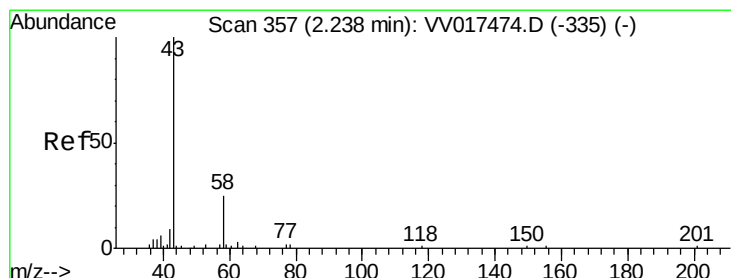
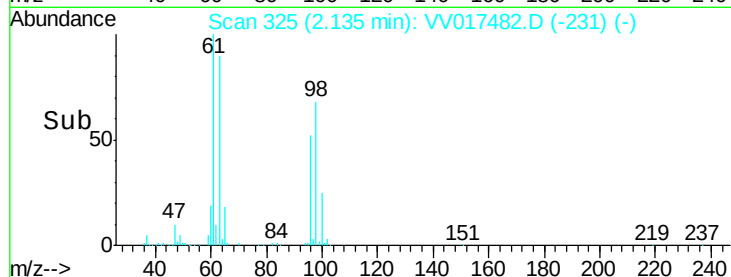
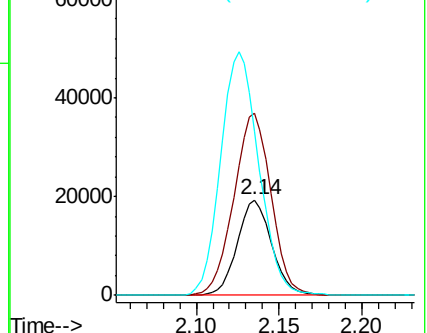
63 172.5 103.6 192.4



Abundance Ion 96.00 (95.70 to 96.70): VV017482.D (-231) (-)

Ion 61.05 (60.75 to 61.75): VV017482.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV017482.D (-231) (-)



#13

Acetone

Concen: 74.857 ug/L

RT: 2.23 min Scan# 356

Delta R.T. -0.00 min

Lab File: VV017482.D

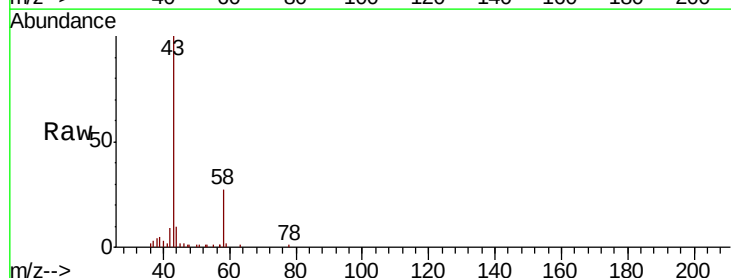
Acq: 14 Jul 2020 14:29

Tgt Ion: 43 Resp: 96088

Ion Ratio Lower Upper

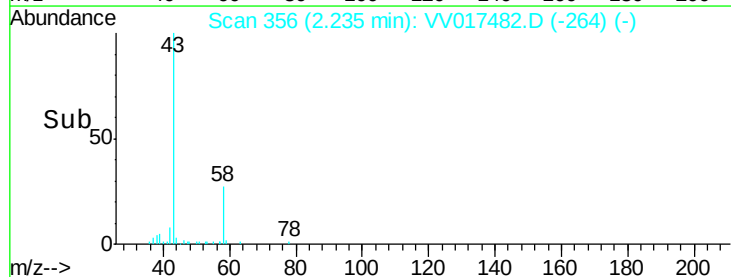
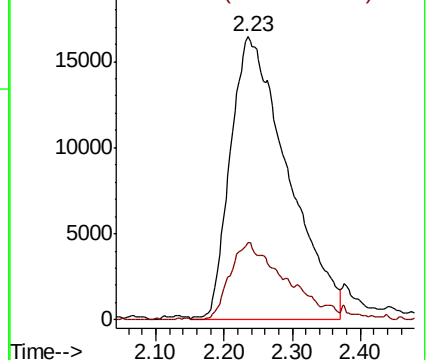
43 100

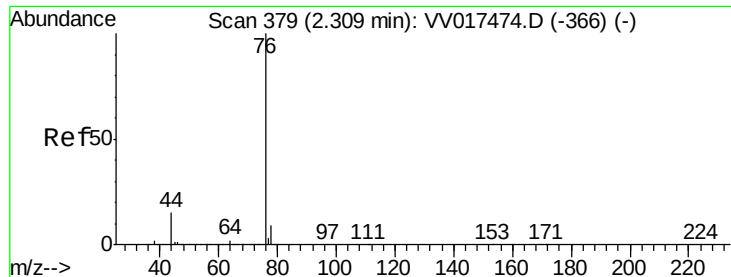
58 21.9 0.0 33.6



Abundance Ion 43.05 (42.75 to 43.75): VV017482.D (-264) (-)

Ion 58.05 (57.75 to 58.75): VV017482.D (-264) (-)





#14

Carbon disulfide

Concen: 4.441 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017482.D

Acq: 14 Jul 2020 14:29

Instrument :

MSVOA_V

ClientSampleId :

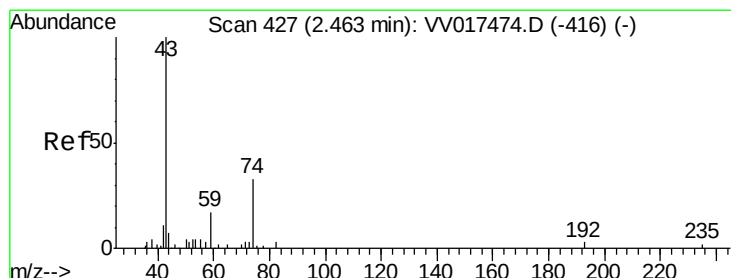
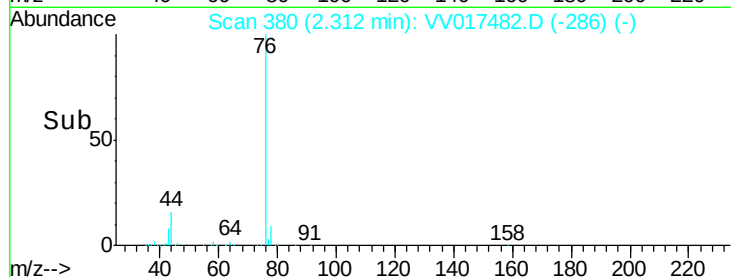
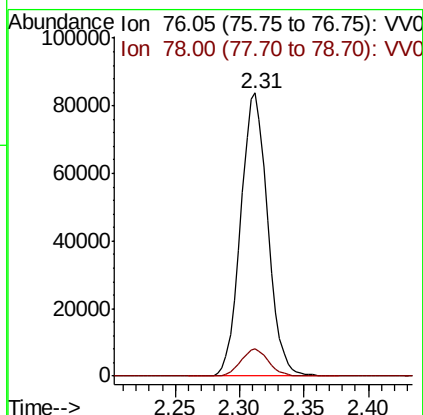
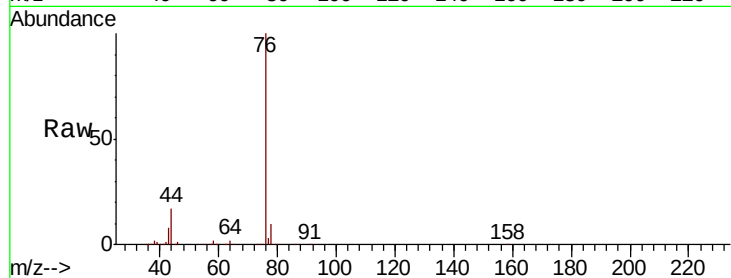
GAXY3

Tot Ion: 76 Resp: 122520

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3



#15

Methyl Acetate

Concen: 37.495 ug/L

RT: 2.23 min Scan# 356

Delta R.T. -0.23 min

Lab File: VV017482.D

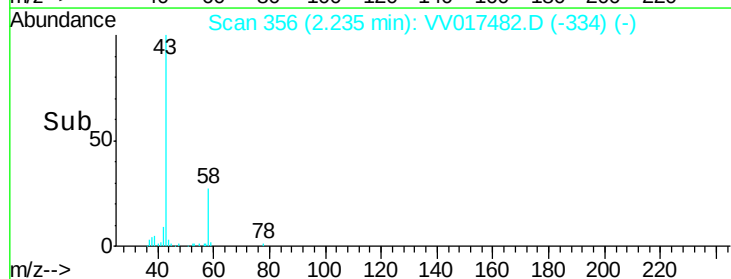
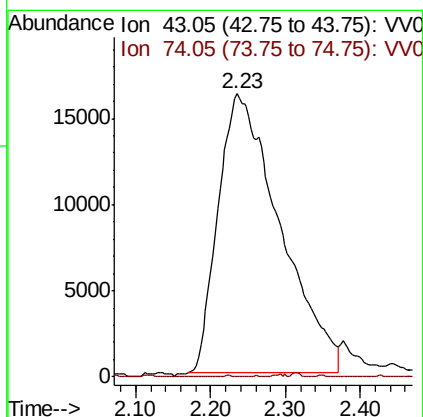
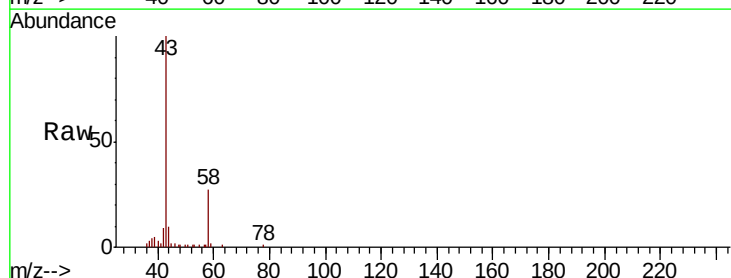
Acq: 14 Jul 2020 14:29

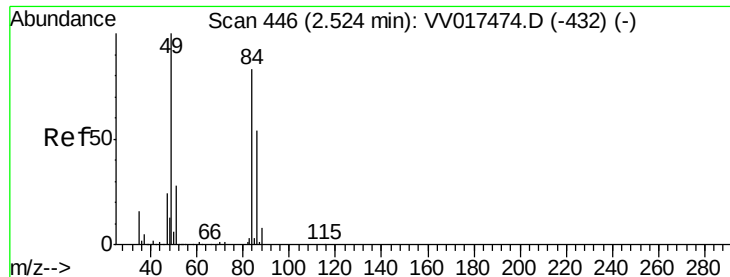
Tgt Ion: 43 Resp: 92968

Ion Ratio Lower Upper

43 100

74 0.0 20.5 30.7#

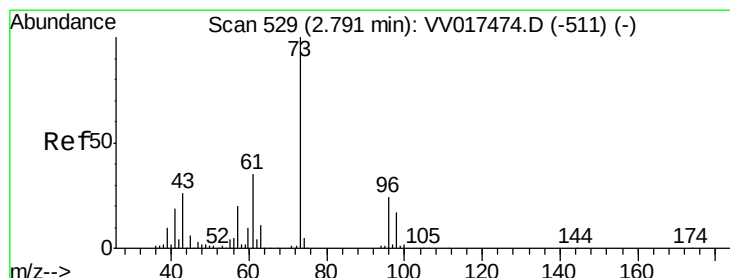
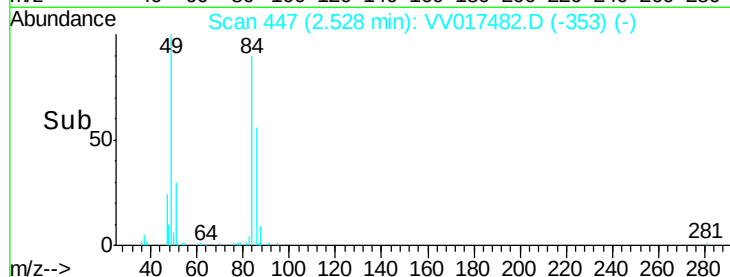
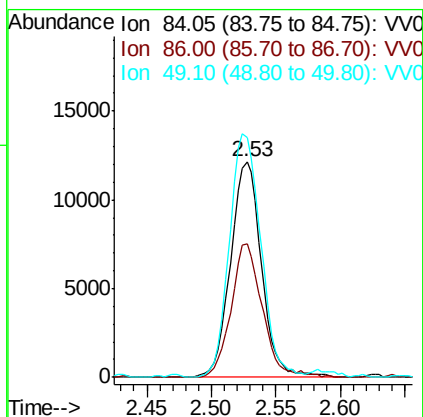
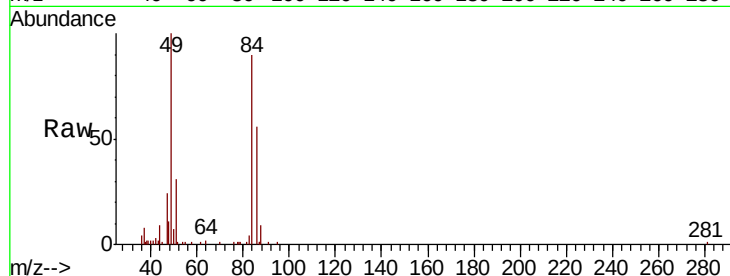




#16
Methylene chloride
Concen: 1.889 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

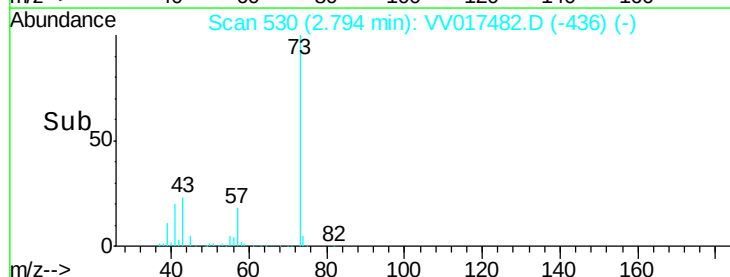
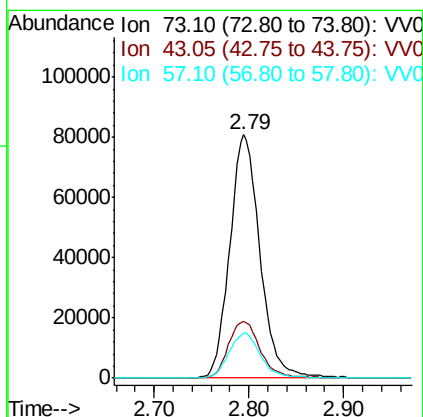
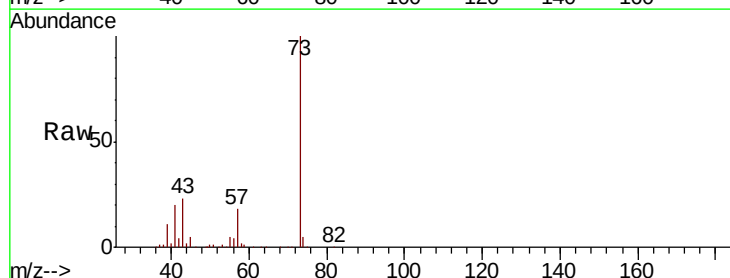
Instrument :
MSVOA_V
ClientSampleId :
GAXY3

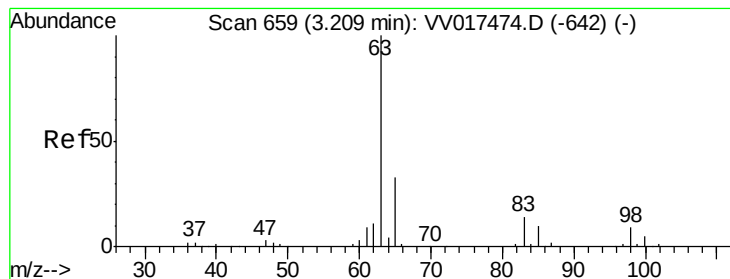
Tot Ion: 84 Resp: 20280
Ion Ratio Lower Upper
84 100
86 61.8 45.5 84.5
49 111.1 84.6 157.0



#17
Methyl tert-butyl Ether
Concen: 8.099 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Tgt Ion: 73 Resp: 179365
Ion Ratio Lower Upper
73 100
43 24.0 20.4 30.6
57 19.4 16.7 25.1





#19

1,1-Dichloroethane

Concen: 8.087 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV017482.D

Acq: 14 Jul 2020 14:29

Instrument :

MSVOA_V

ClientSampleId :

GAXY3

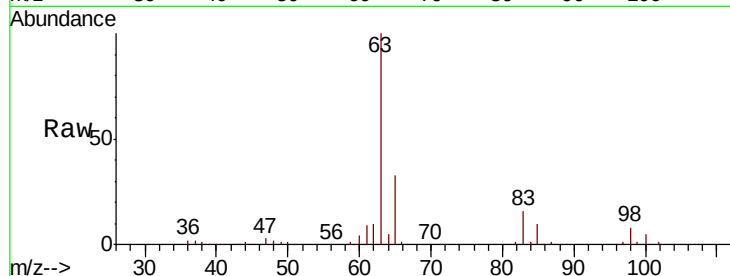
Tot Ion: 63 Resp: 149358

Ion Ratio Lower Upper

63 100

65 32.6 23.2 43.0

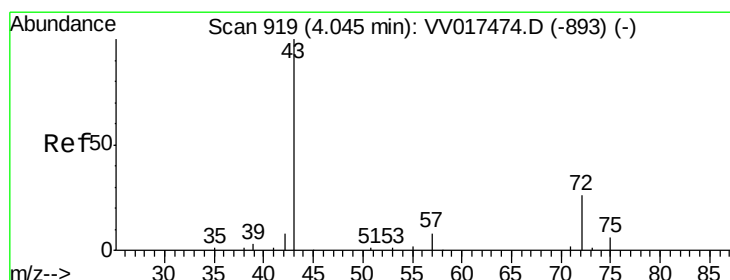
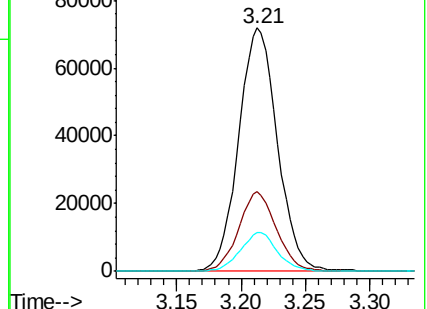
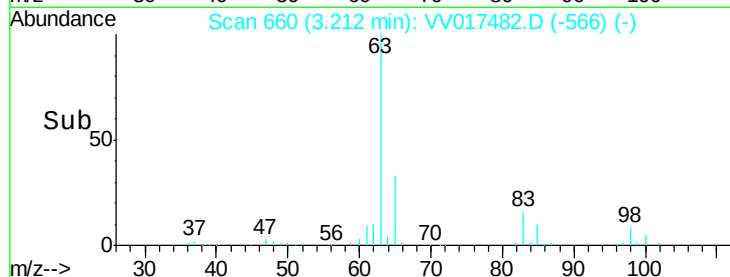
83 16.2 10.1 18.7



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 104.262 ug/L

RT: 4.04 min Scan# 918

Delta R.T. -0.00 min

Lab File: VV017482.D

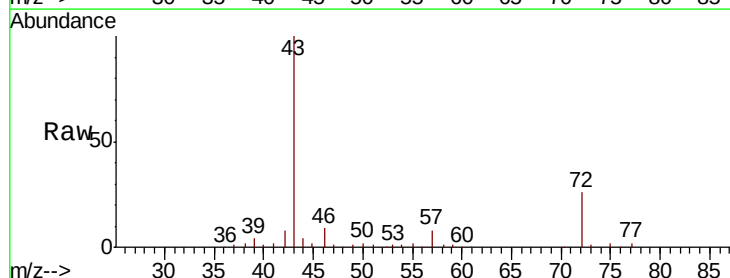
Acq: 14 Jul 2020 14:29

Tgt Ion: 43 Resp: 206871

Ion Ratio Lower Upper

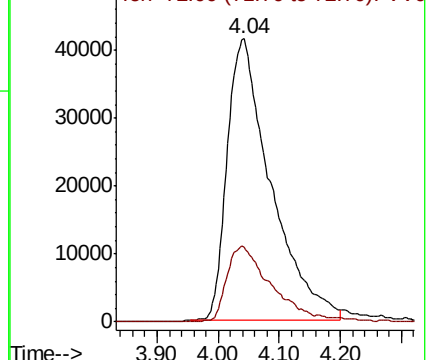
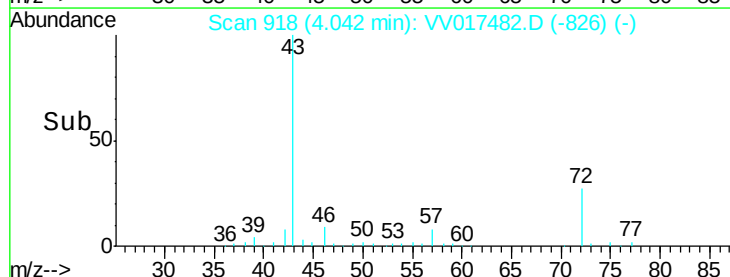
43 100

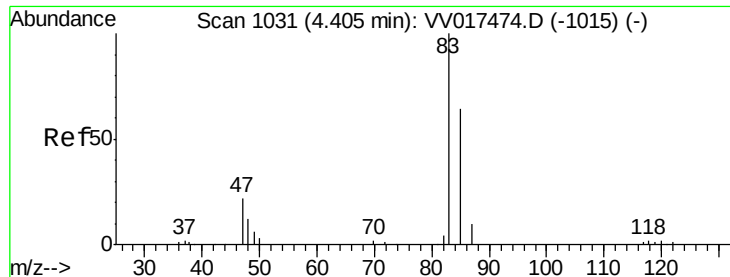
72 26.5 3.4 10.1#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0

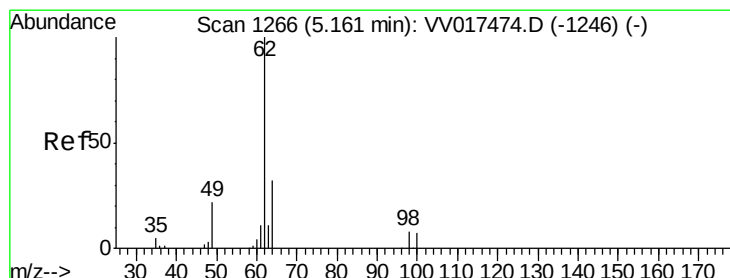
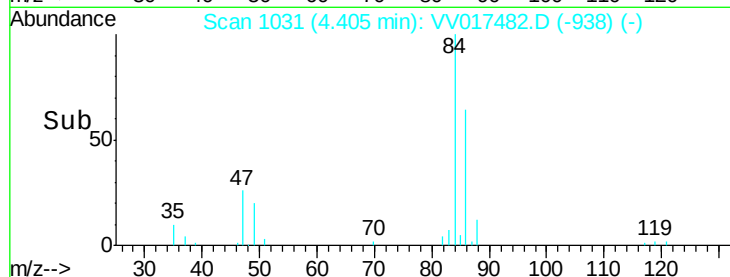
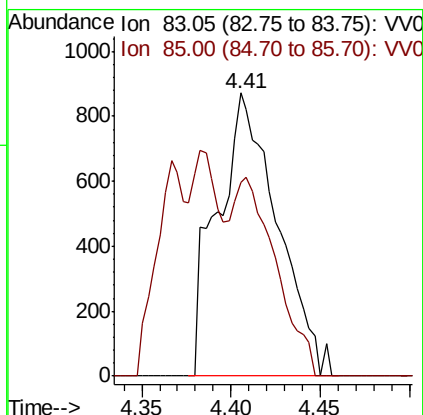
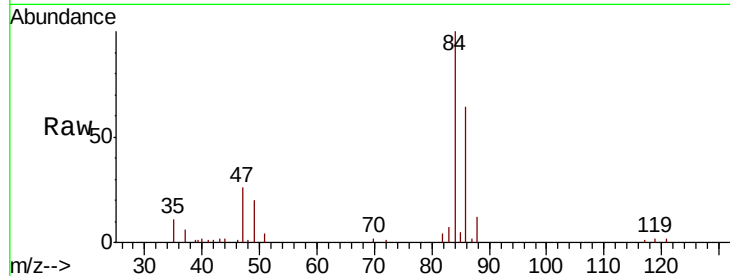




#25
Chloroform
Concen: 0.103 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

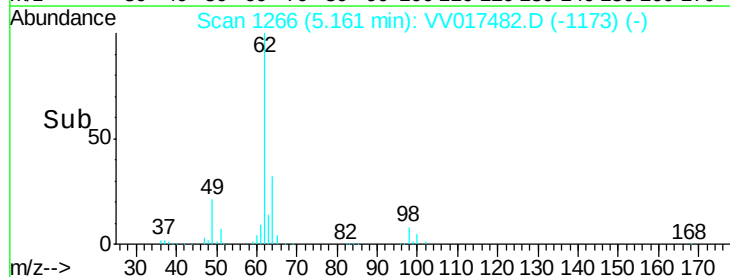
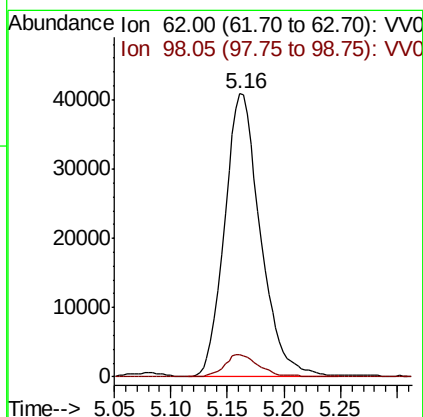
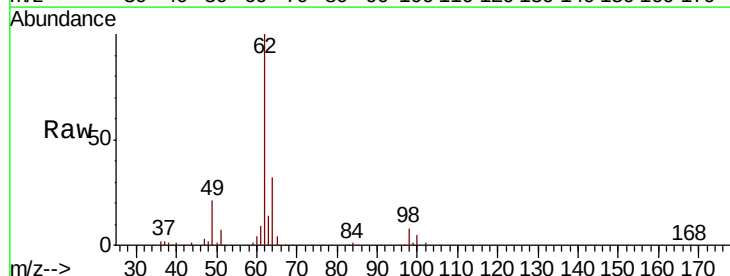
Instrument :
MSVOA_V
ClientSampleId :
GAXY3

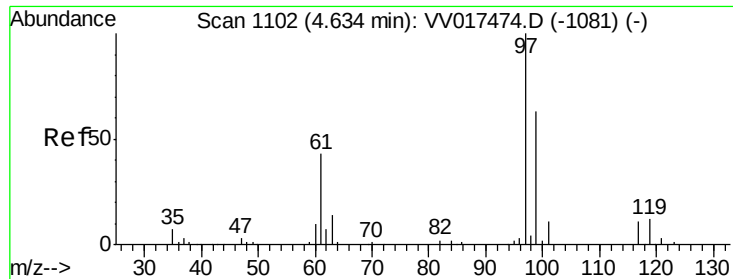
Tot Ion: 83 Resp: 2045
Ion Ratio Lower Upper
83 100
85 68.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 6.923 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Tgt Ion: 62 Resp: 90248
Ion Ratio Lower Upper
62 100
98 7.8 6.2 9.2

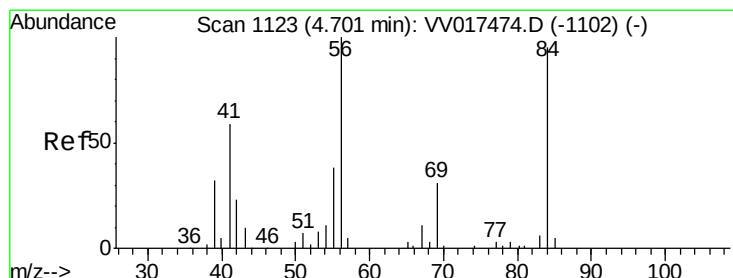
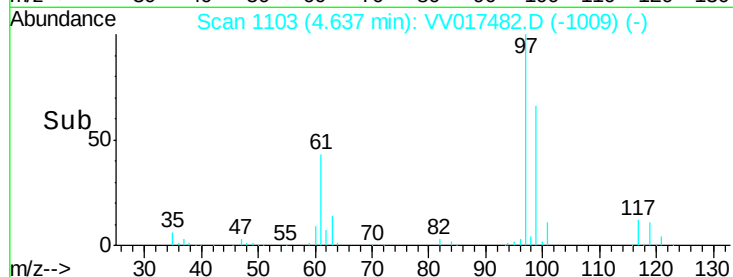
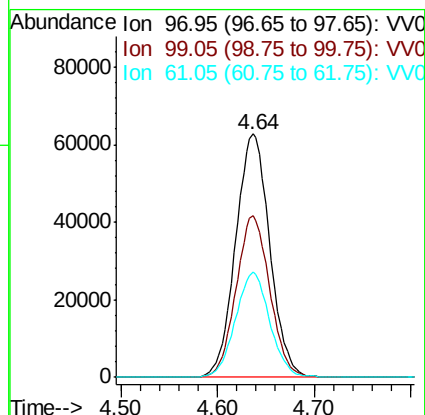
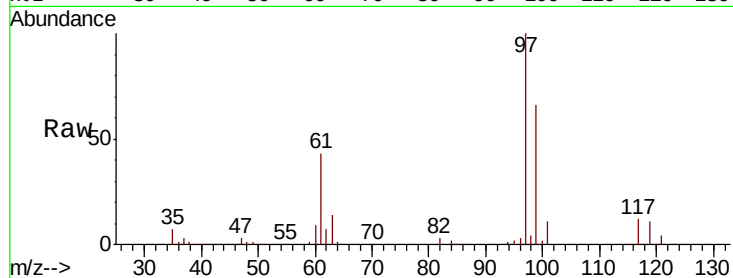




#29
1,1,1-Trichloroethane
Concen: 7.663 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

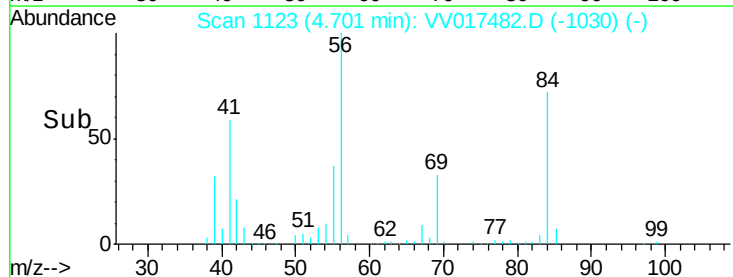
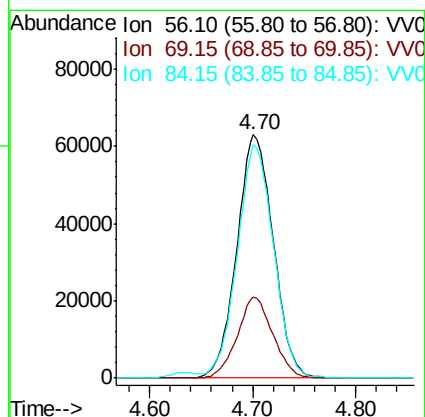
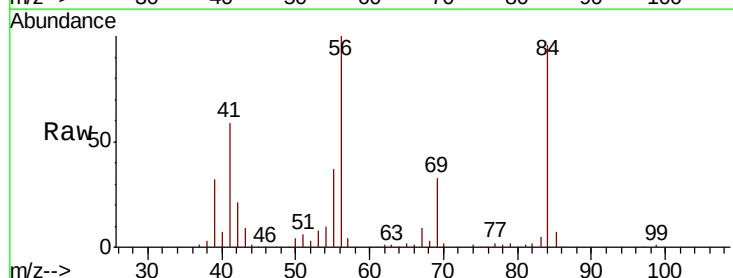
Instrument :
MSVOA_V
ClientSampleId :
GAXY3

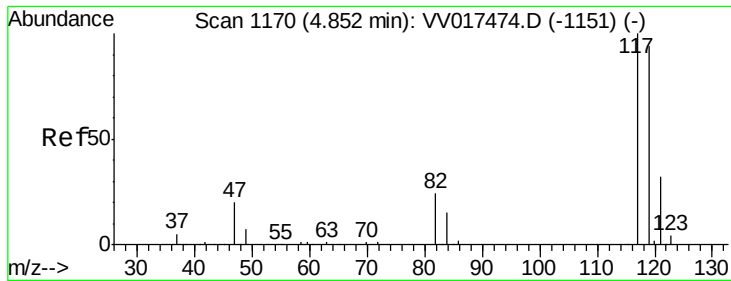
Tot Ion: 97 Resp: 154023
Ion Ratio Lower Upper
97 100
99 65.6 49.1 73.7
61 43.5 34.3 51.5



#30
Cyclohexane
Concen: 10.145 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Tgt Ion: 56 Resp: 155221
Ion Ratio Lower Upper
56 100
69 32.4 26.0 39.0
84 95.4 77.9 116.9





#31

Carbon tetrachloride

Concen: 0.990 ug/L

RT: 4.64 min Scan# 1104

Delta R.T. -0.21 min

Lab File: VV017482.D

Acq: 14 Jul 2020 14:29

Instrument :

MSVOA_V

ClientSampleId :

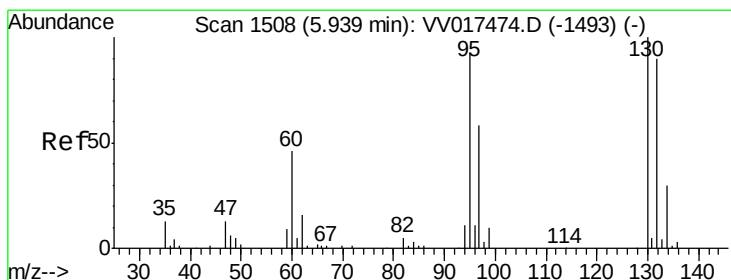
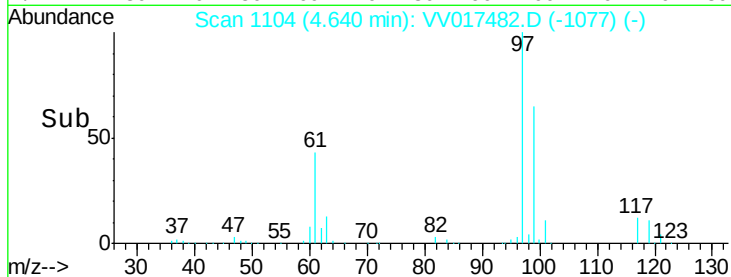
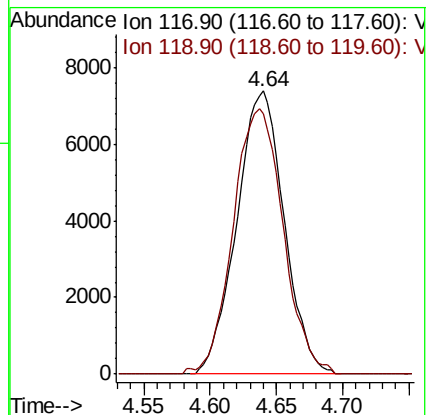
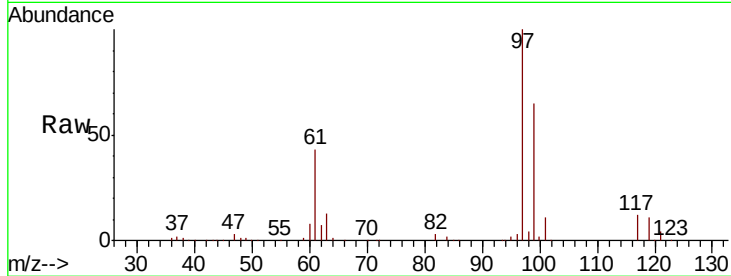
GAXY3

Tot Ion:117 Resp: 18413

Ion Ratio Lower Upper

117 100

119 98.8 77.6 116.4



#34

Trichloroethene

Concen: 4.578 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV017482.D

Acq: 14 Jul 2020 14:29

Tgt Ion: 95 Resp: 52864

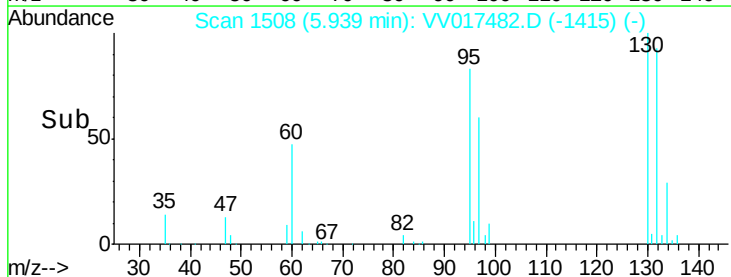
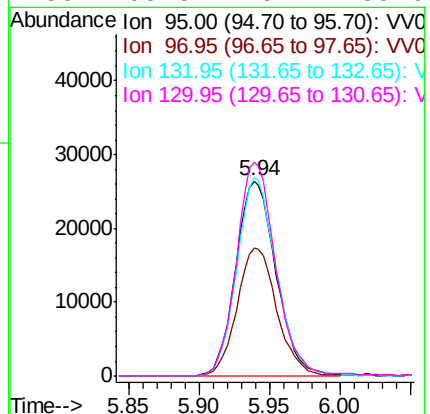
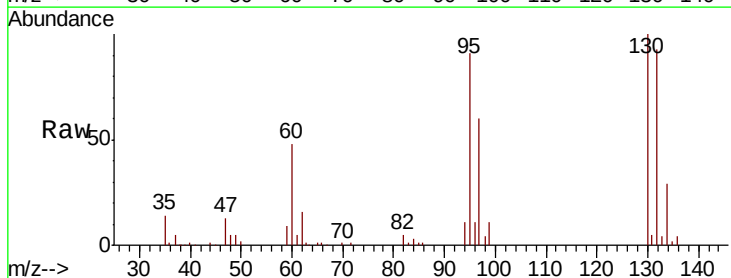
Ion Ratio Lower Upper

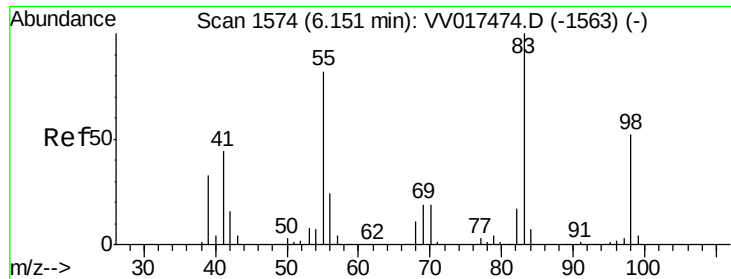
95 100

97 65.4 43.9 81.5

132 101.8 67.9 126.1

130 109.5 75.2 139.6

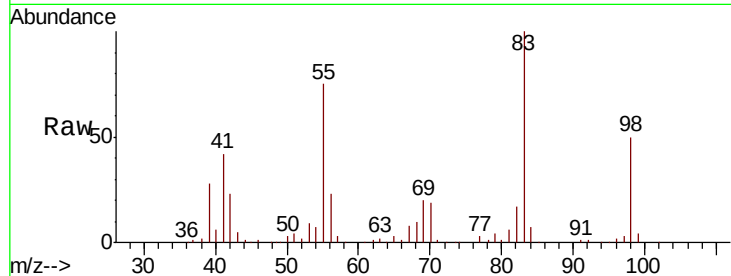




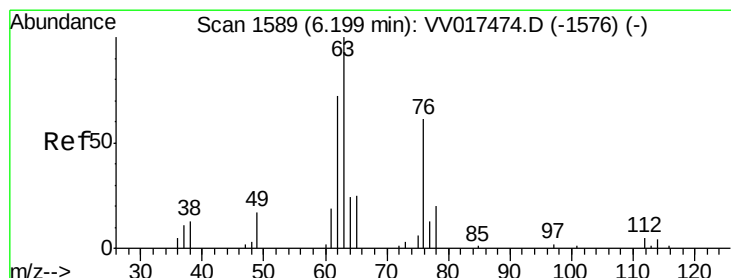
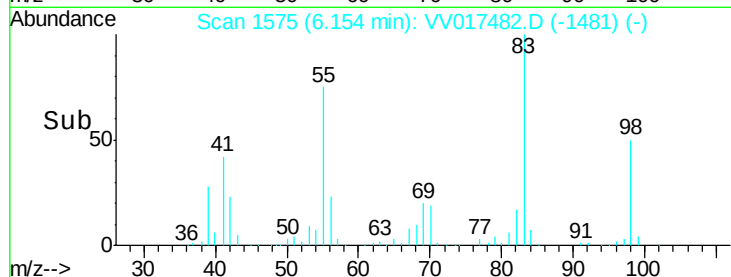
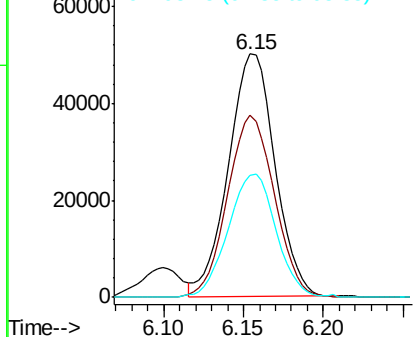
#35
Methylvlcyclohexane
Concen: 5.868 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Instrument :
MSVOA_V
ClientSampleId :
GAXY3

Tot Ion: 83 Resp: 99716
Ion Ratio Lower Upper
83 100
55 75.7 62.0 93.0
98 52.3 41.4 62.2

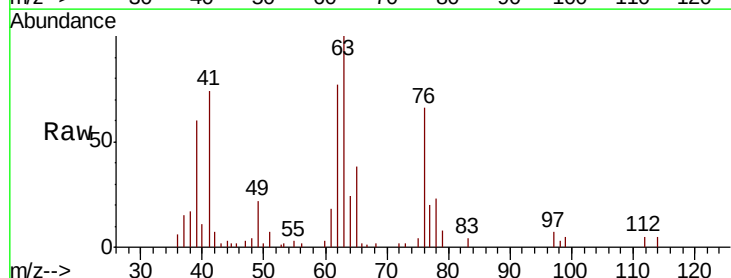


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

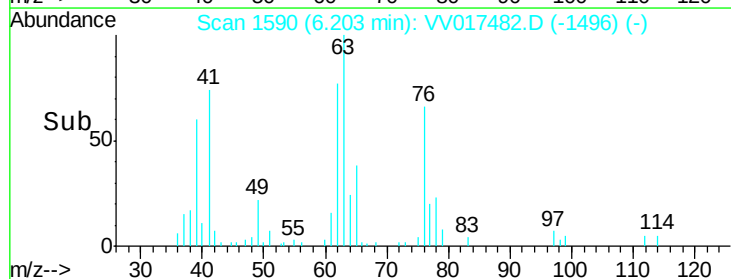
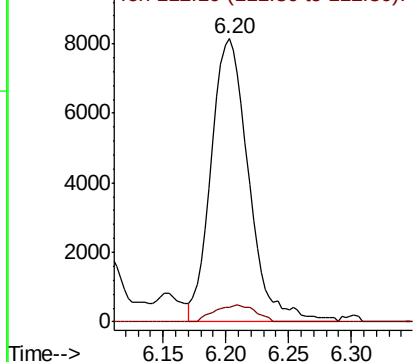


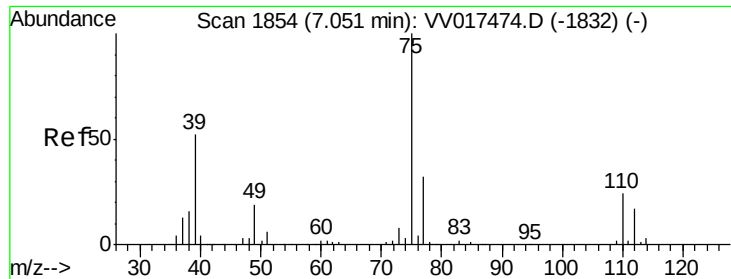
#37
1,2-Dichloropropane
Concen: 1.939 ug/L
RT: 6.20 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VV017482.D
Acq: 14 Jul 2020 14:29

Tgt Ion: 63 Resp: 16980
Ion Ratio Lower Upper
63 100
112 6.4 4.4 6.6



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

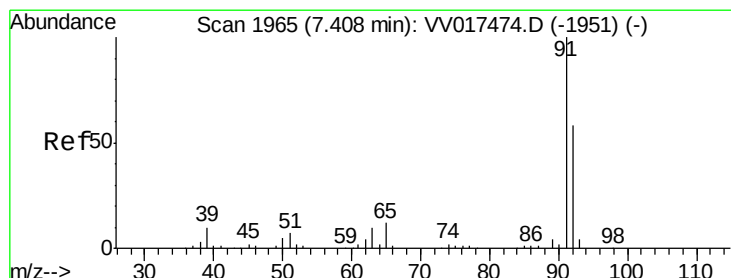
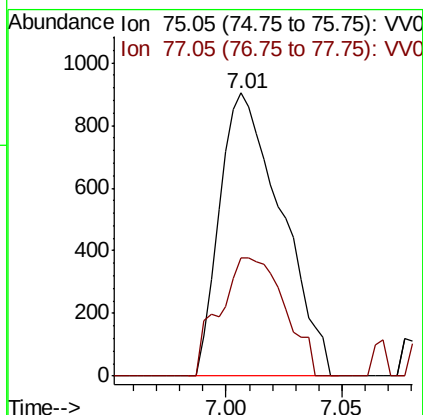
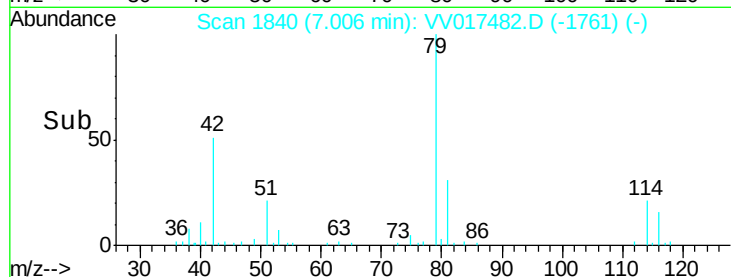
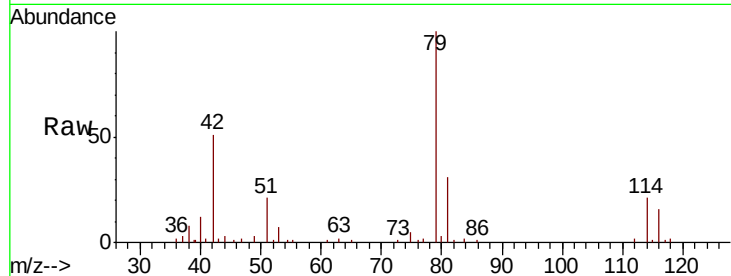




#39
 cis-1,3-Dichloropropene
 Concen: 0.118 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.05 min
 Lab File: VV017482.D
 Acq: 14 Jul 2020 14:29

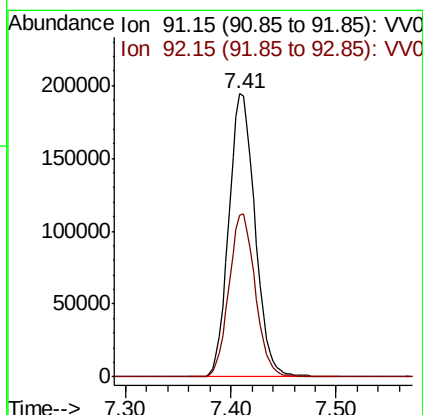
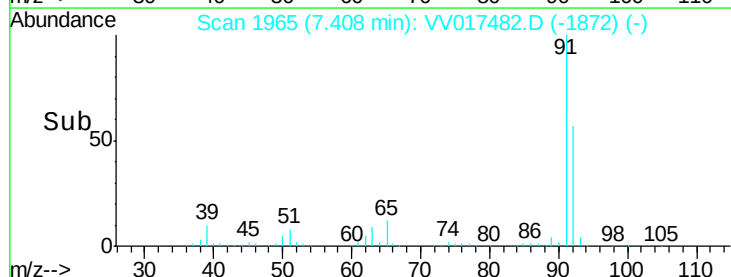
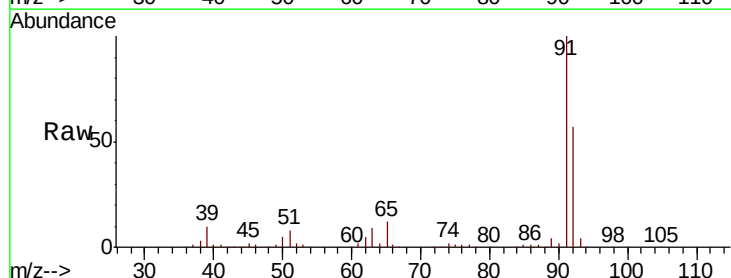
Instrument :
 MSVOA_V
 ClientSampleId :
 GAXY3

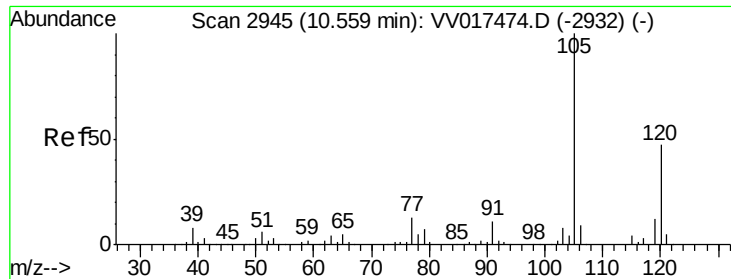
Tot Ion: 75 Resp: 1667
 Ion Ratio Lower Upper
 75 100
 77 41.6 22.3 41.5#



#42
 Toluene
 Concen: 8.007 ug/L
 RT: 7.41 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: VV017482.D
 Acq: 14 Jul 2020 14:29

Tgt Ion: 91 Resp: 334406
 Ion Ratio Lower Upper
 91 100
 92 57.4 40.7 75.5

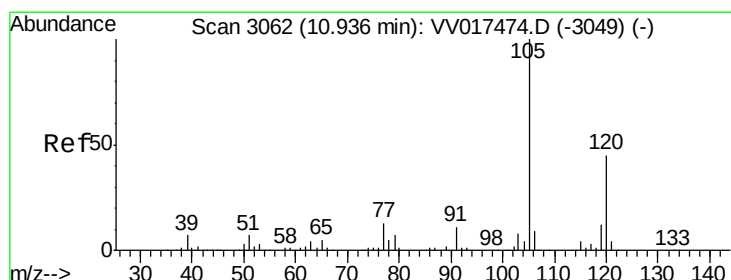
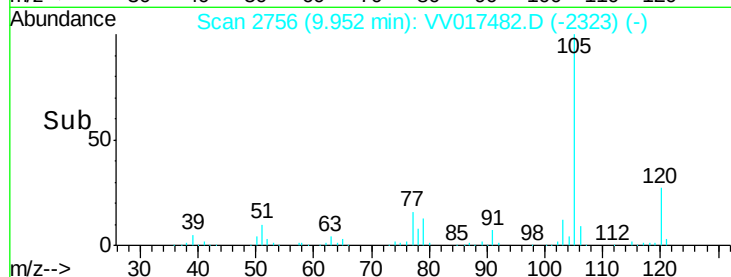
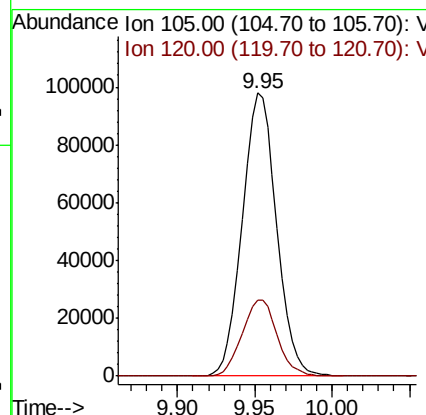
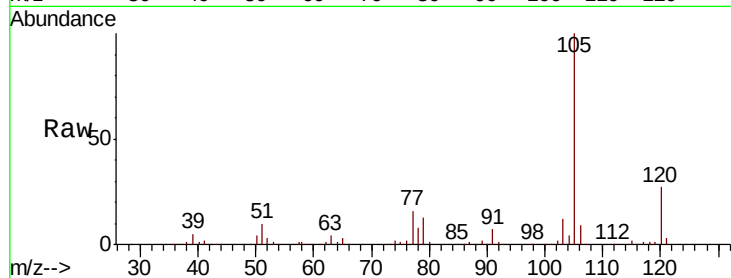




#43
 1,3,5-Trimethylbenzene
 Concen: 3.633 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.61 min
 Lab File: VV017482.D
 Acq: 14 Jul 2020 14:29

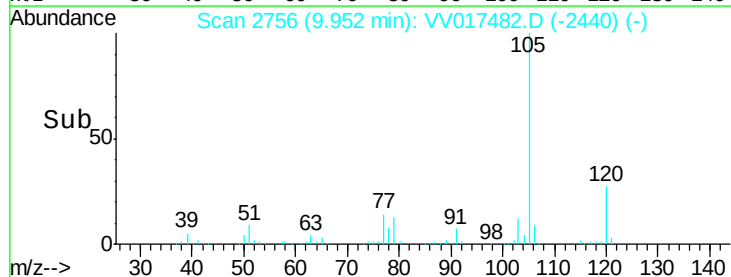
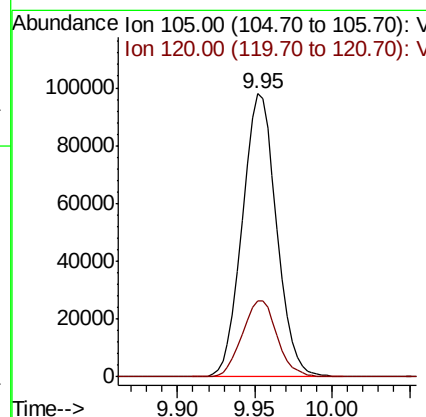
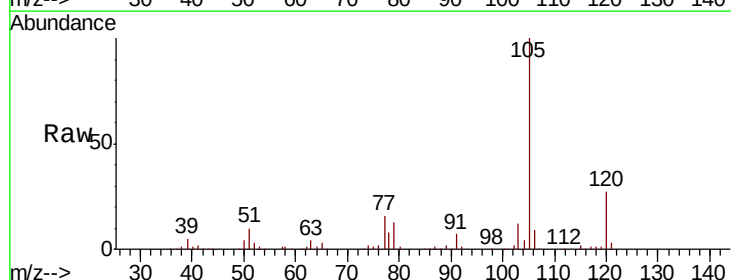
Instrument :
 MSVOA_V
 ClientSampleId :
 GAXY3

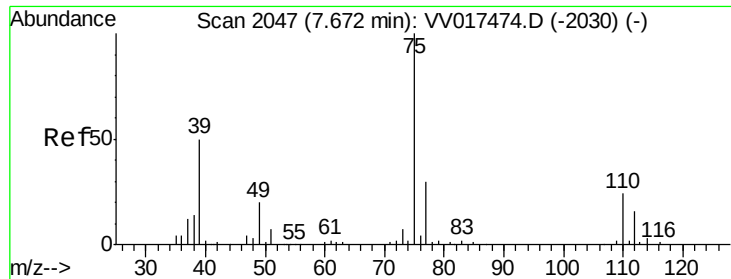
Tot Ion:105 Resp: 150588
 Ion Ratio Lower Upper
 105 100
 120 27.7 38.6 58.0#



#44
 1,2,4-Trimethylbenzene
 Concen: 3.647 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.98 min
 Lab File: VV017482.D
 Acq: 14 Jul 2020 14:29

Tgt Ion:105 Resp: 150588
 Ion Ratio Lower Upper
 105 100
 120 27.7 35.6 53.4#





#46

trans-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 7.65 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VV017482.D

Acq: 14 Jul 2020 14:29

Instrument :

MSVOA_V

ClientSampleId :

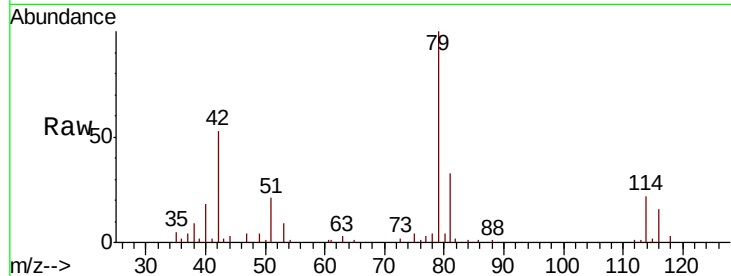
GAXY3

Tot Ion: 75 Resp: 872

Ion Ratio Lower Upper

75 100

77 77.6 21.2 39.4#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.65

400

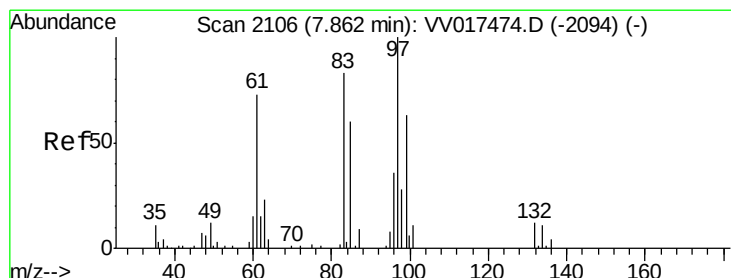
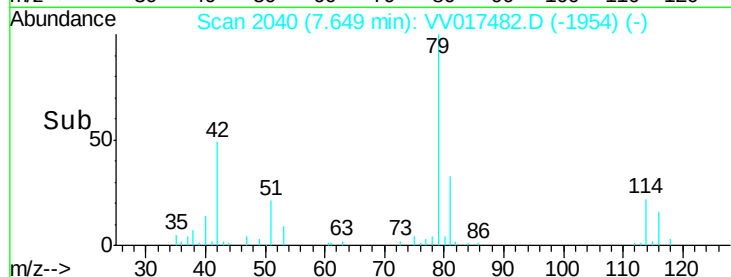
300

200

100

0

Time-->



#47

1,1,2-Trichloroethane

Concen: 0.106 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.14 min

Lab File: VV017482.D

Acq: 14 Jul 2020 14:29

Tgt Ion: 97 Resp: 691

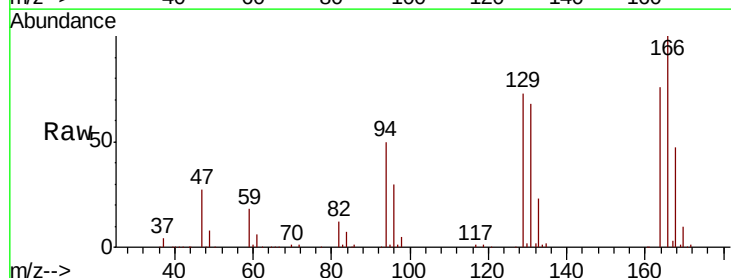
Ion Ratio Lower Upper

97 100

99 0.0 44.0 81.6#

83 115.2 57.7 107.3#

85 37.9 41.9 77.9#



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

1200

1000

800

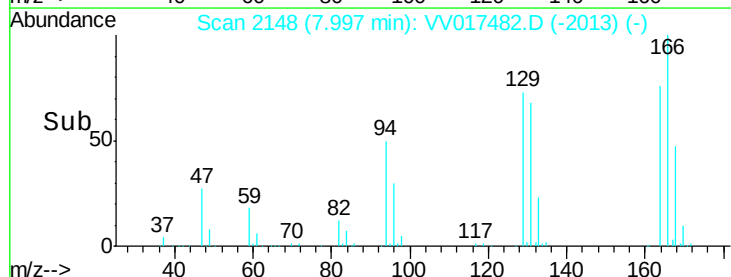
600

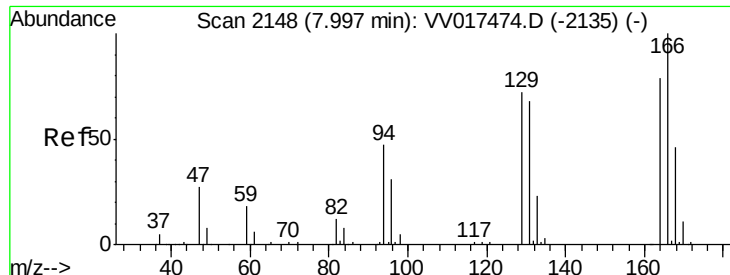
400

200

0

Time-->





#49

Tetrachloroethene

Concen: 7.822 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV017482.D

Acq: 14 Jul 2020 14:29

Instrument :
MSVOA_V
ClientSampleId :
GAXY3

Tot Ion:164 Resp: 76875

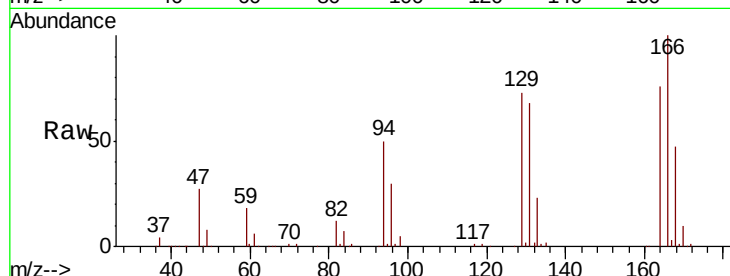
Ion Ratio Lower Upper

164 100

129 95.5 64.1 119.1

131 89.1 60.6 112.6

166 131.4 88.8 164.8

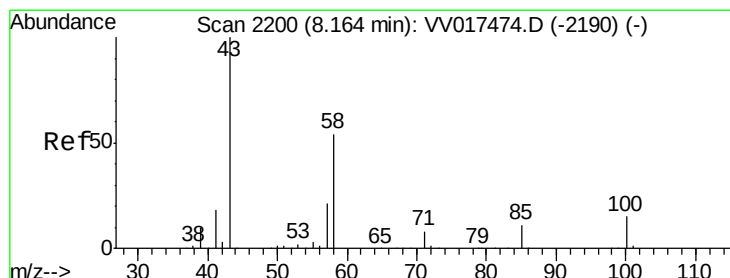
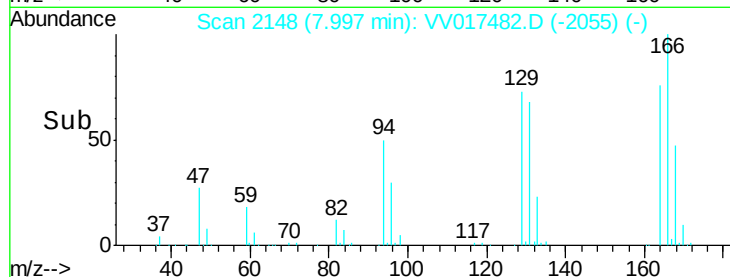
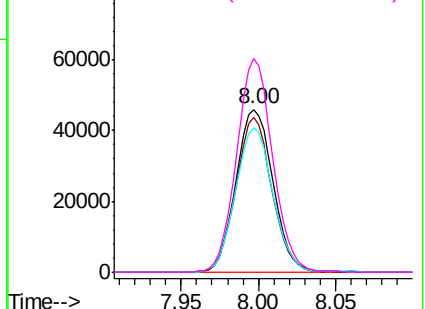


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#50

2-Hexanone

Concen: 51.382 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VV017482.D

Acq: 14 Jul 2020 14:29

Tgt Ion: 43 Resp: 174701

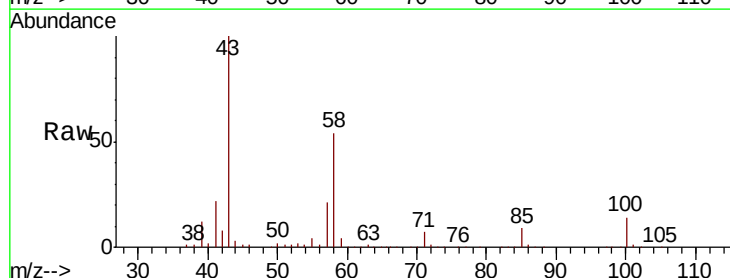
Ion Ratio Lower Upper

43 100

58 52.3 43.0 64.4

57 21.0 16.8 25.2

100 14.5 11.8 17.6

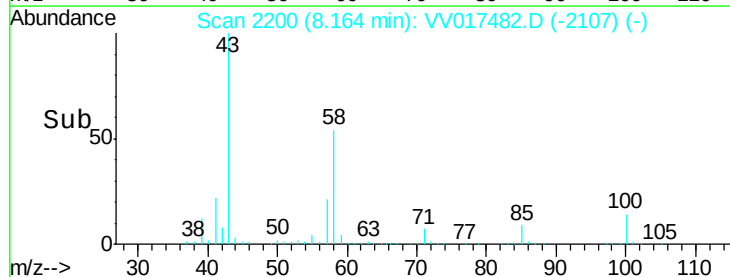
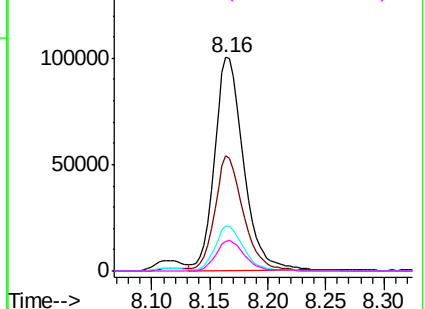


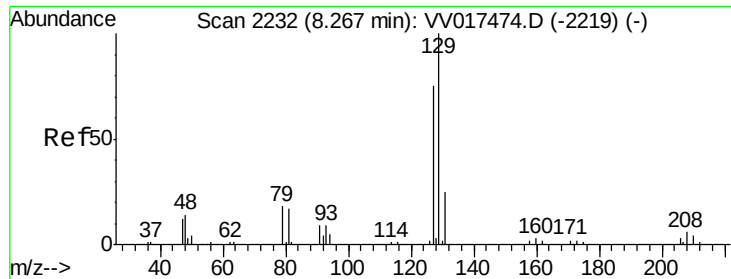
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

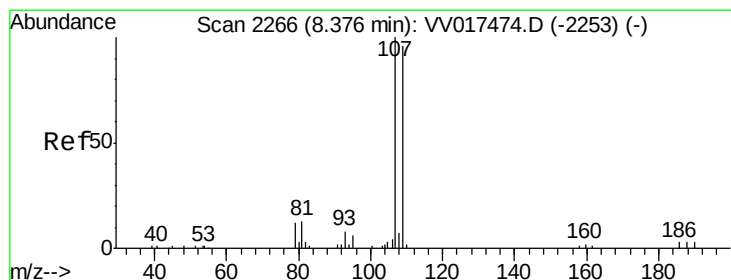
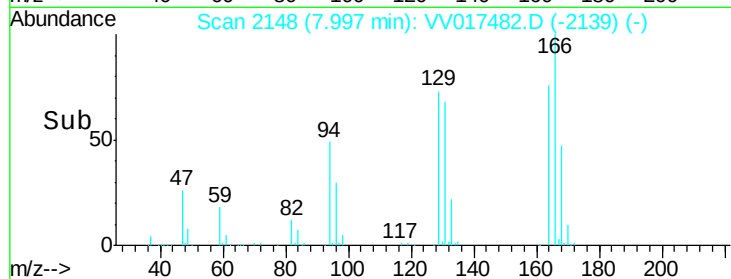
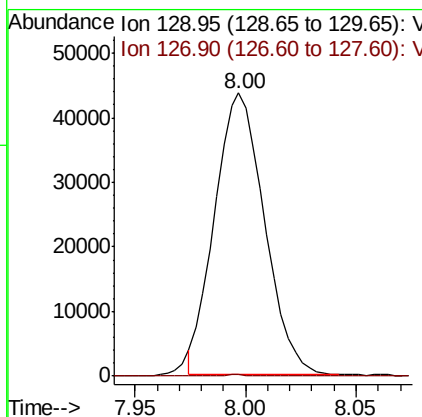
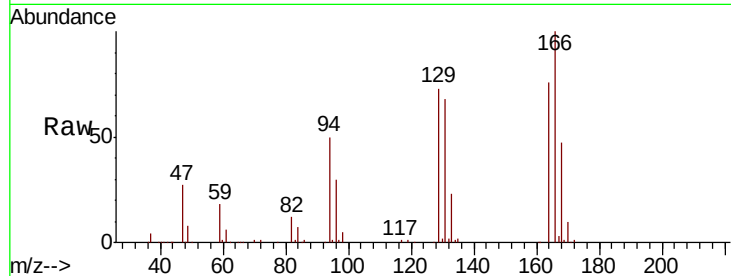




#51
 Dibromochloromethane
 Concen: 7.559 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.27 min
 Lab File: VV017482.D
 Acq: 14 Jul 2020 14:29

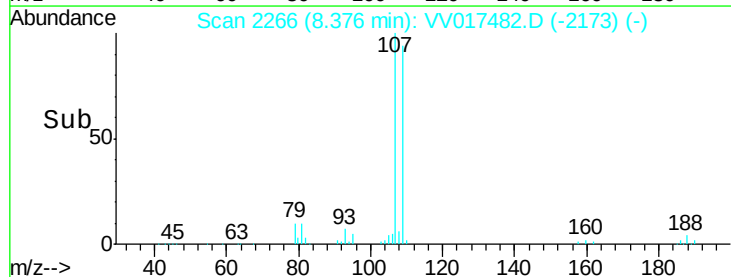
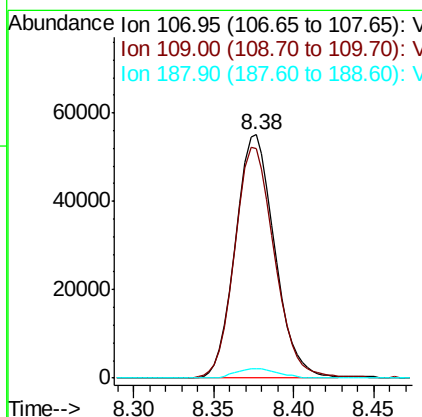
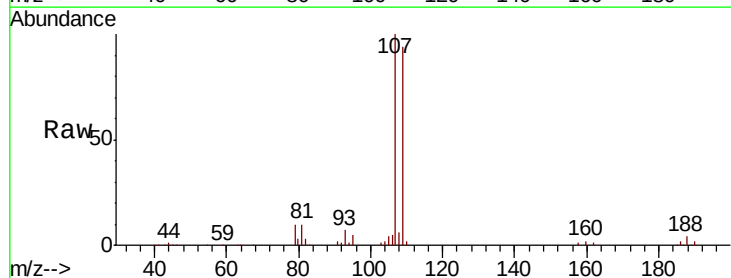
Instrument :
 MSVOA_V
 ClientSampleId :
 GAXY3

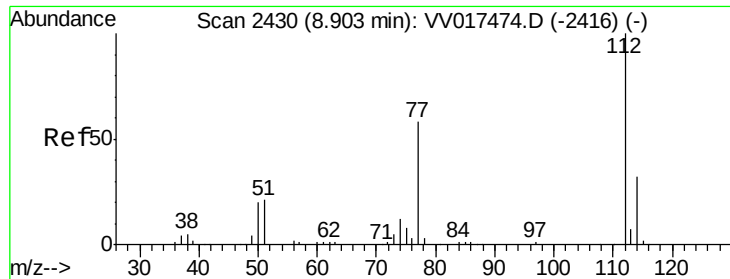
Tot Ion:129 Resp: 68141
 Ion Ratio Lower Upper
 129 100
 127 0.4 52.4 97.4#



#52
 1,2-Dibromoethane
 Concen: 14.401 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. -0.00 min
 Lab File: VV017482.D
 Acq: 14 Jul 2020 14:29

Tgt Ion:107 Resp: 92290
 Ion Ratio Lower Upper
 107 100
 109 94.0 67.0 124.4
 188 3.8 2.7 4.1





#53

Chlorobenzene

Concen: 10.019 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV017482.D

Acq: 14 Jul 2020 14:29

Instrument :

MSVOA_V

ClientSampleId :

GAXY3

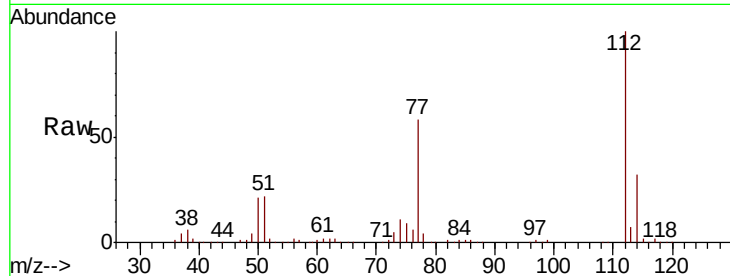
Tot Ion:112 Resp: 280277

Ion Ratio Lower Upper

112 100

114 31.8 22.4 41.6

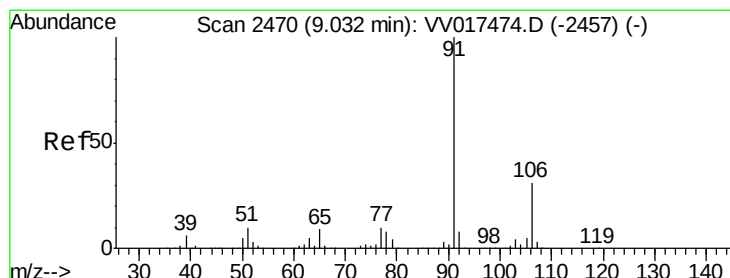
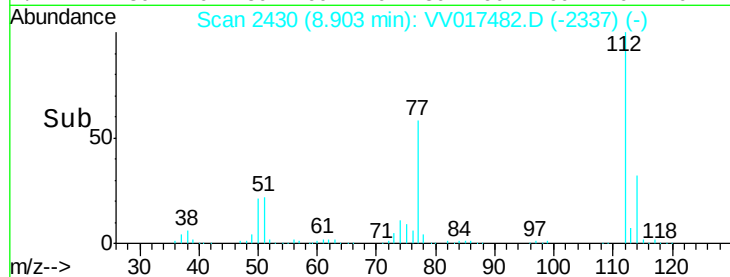
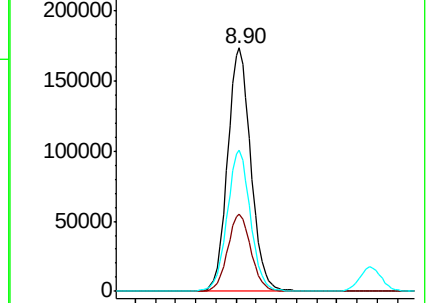
77 58.1 47.0 70.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#54

Ethylbenzene

Concen: 6.056 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017482.D

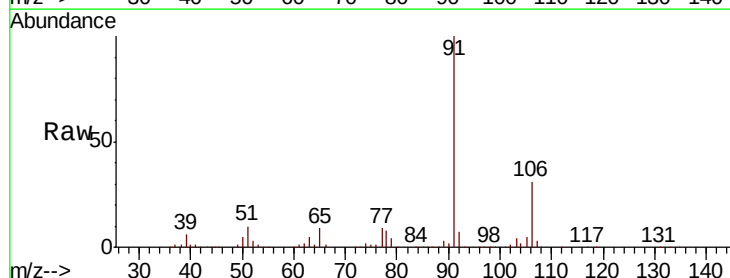
Acq: 14 Jul 2020 14:29

Tgt Ion: 91 Resp: 289462

Ion Ratio Lower Upper

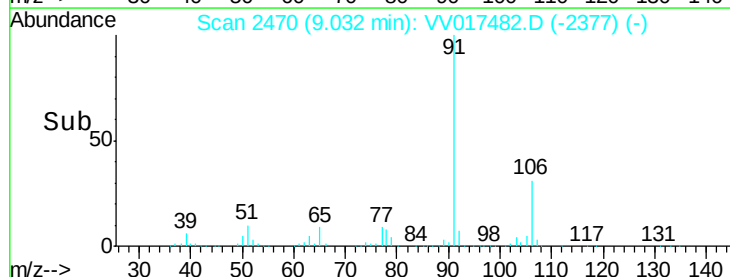
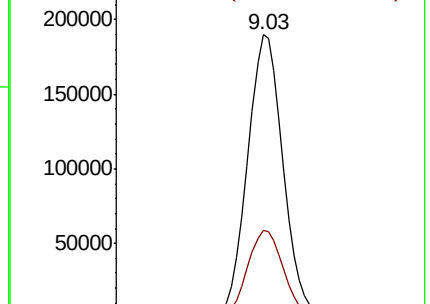
91 100

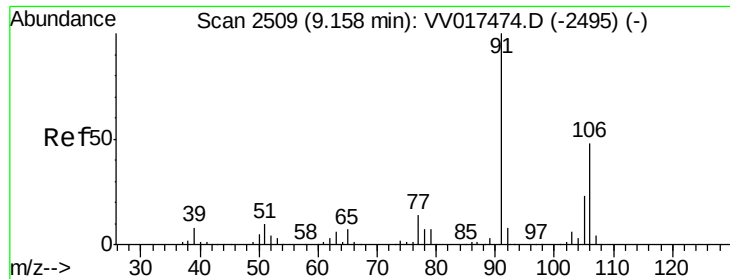
106 31.0 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 12.569 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV017482.D

Acq: 14 Jul 2020 14:29

Instrument :

MSVOA_V

ClientSampleId :

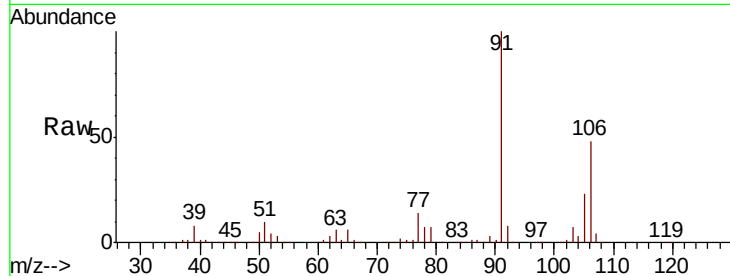
GAXY3

Tot Ion:106 Resp: 227187

Ion Ratio Lower Upper

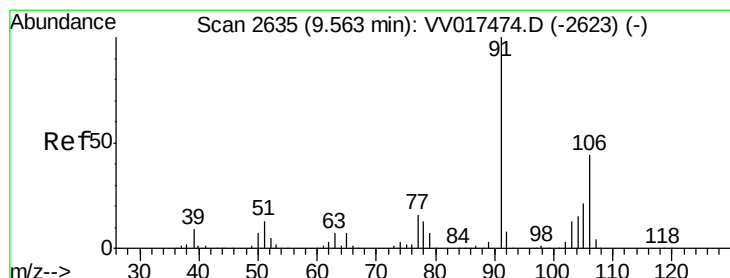
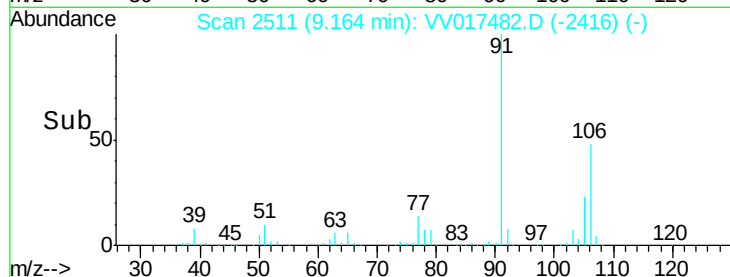
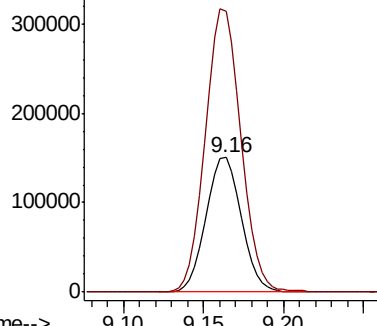
106 100

91 208.9 144.2 267.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 5.074 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017482.D

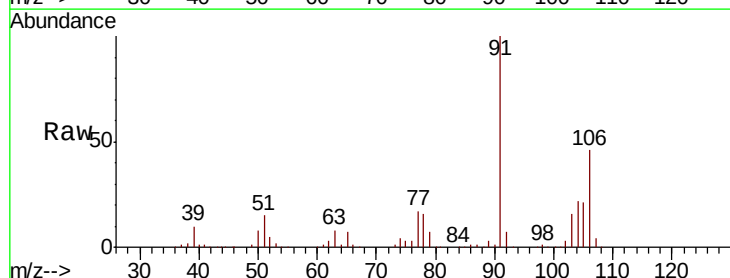
Acq: 14 Jul 2020 14:29

Tgt Ion:106 Resp: 88713

Ion Ratio Lower Upper

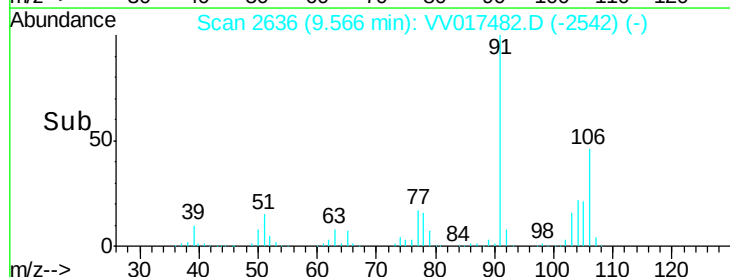
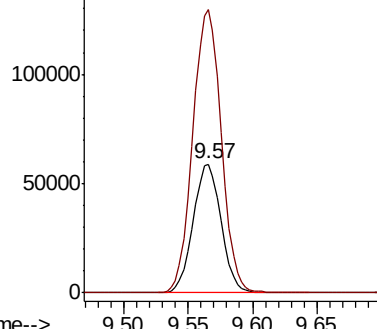
106 100

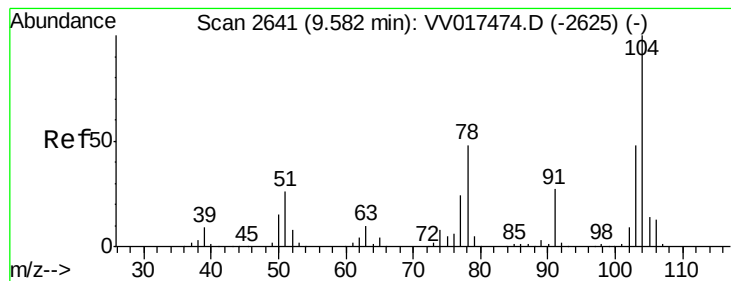
91 219.7 158.8 294.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#57

Stvrene

Concen: 5.131 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV017482.D

Acq: 14 Jul 2020 14:29

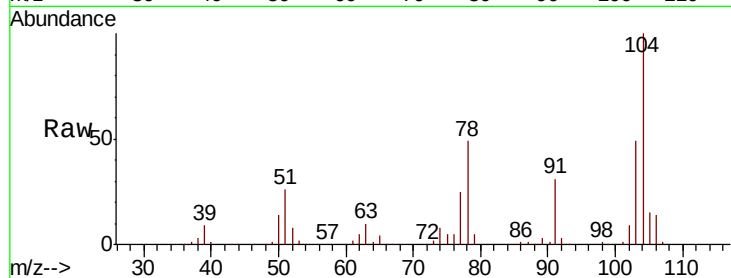
Instrument :
MSVOA_V
ClientSampled :
GAXY3

Tot Ion:104 Resp: 150971

Ion Ratio Lower Upper

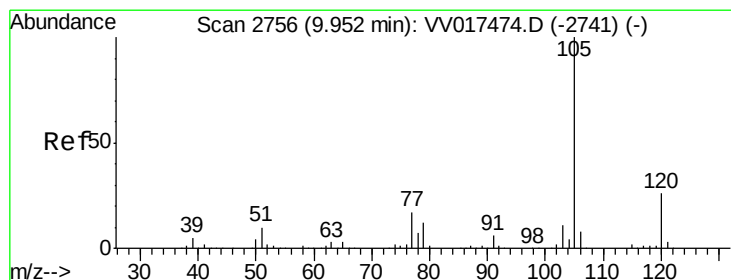
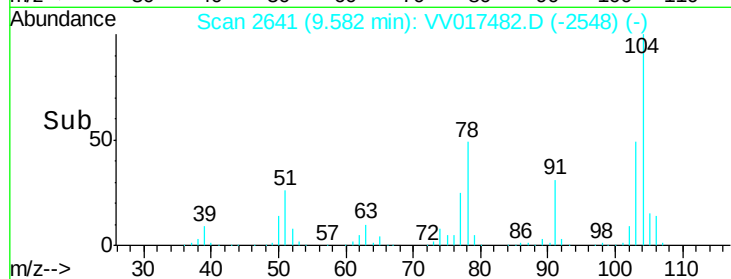
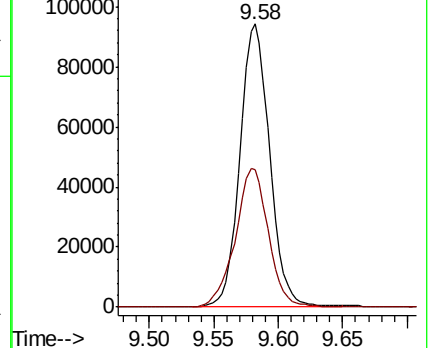
104 100

78 48.7 33.5 62.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#58

Isopropylbenzene

Concen: 3.042 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017482.D

Acq: 14 Jul 2020 14:29

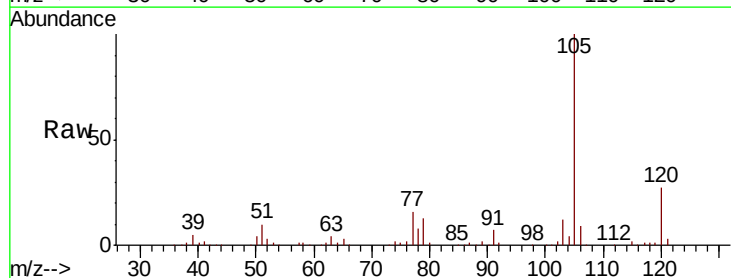
Tgt Ion:105 Resp: 150588

Ion Ratio Lower Upper

105 100

120 27.7 21.3 31.9

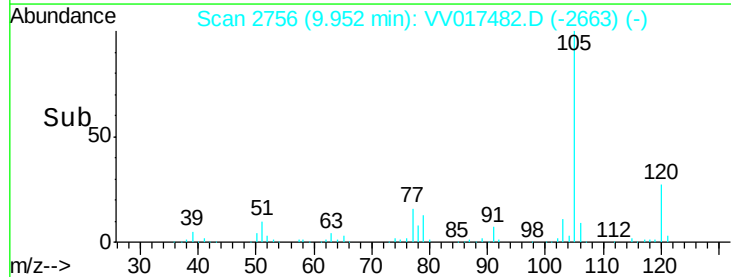
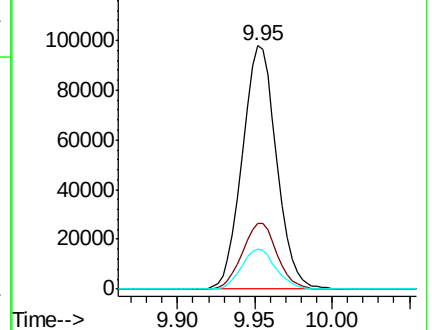
77 16.5 13.3 19.9

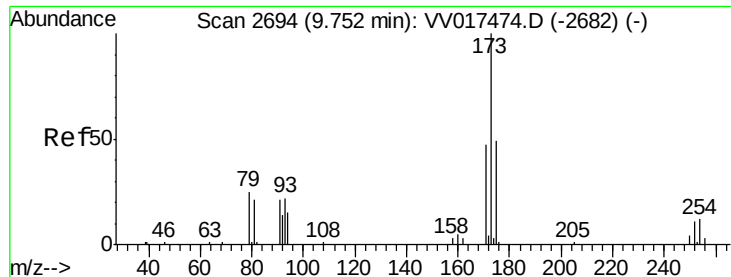


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#62

Bromoform

Concen: 4.884 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017482.D

Acq: 14 Jul 2020 14:29

Instrument :
MSVOA_V
ClientSampleId :
GAXY3

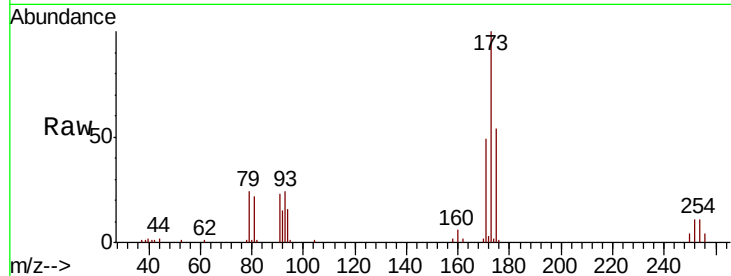
Tot Ion:173 Resp: 23461

Ion Ratio Lower Upper

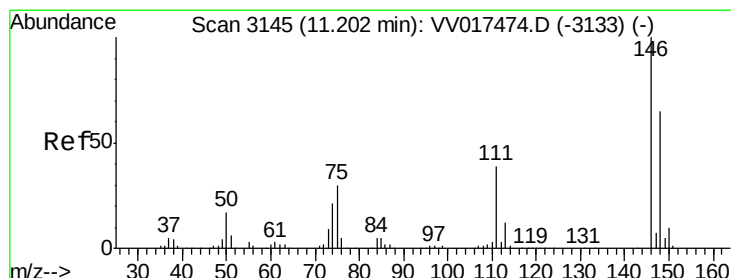
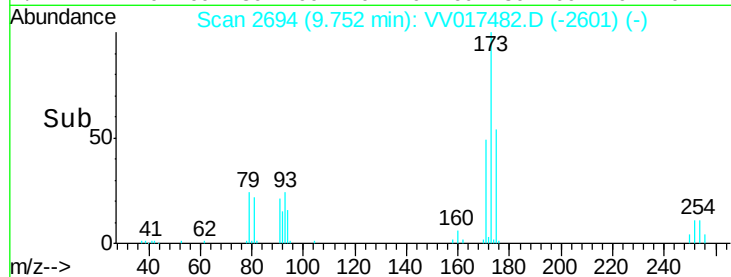
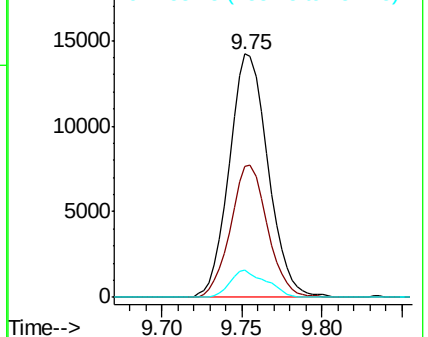
173 100

175 51.7 39.8 59.8

254 10.5 8.5 12.7



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 4.158 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.09 min

Lab File: VV017482.D

Acq: 14 Jul 2020 14:29

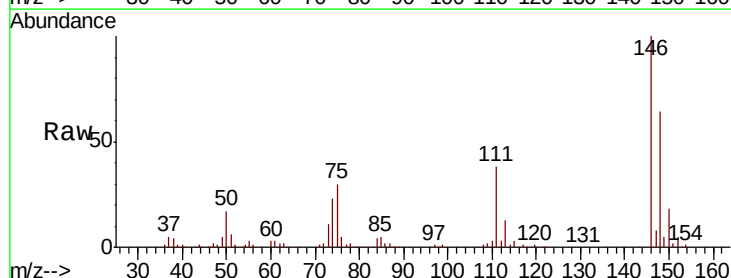
Tgt Ion:146 Resp: 96564

Ion Ratio Lower Upper

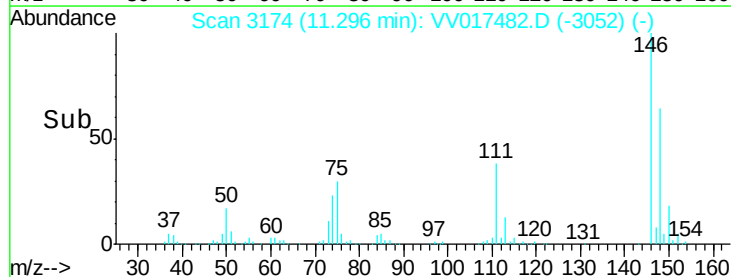
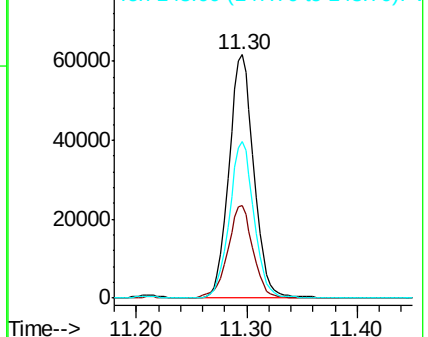
146 100

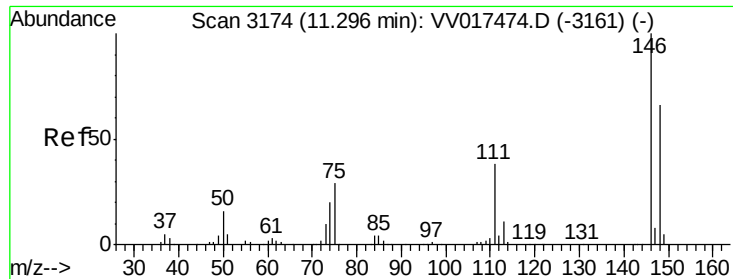
111 38.1 27.2 50.6

148 64.3 45.6 84.6



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 4.189 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV017482.D

Acq: 14 Jul 2020 14:29

Instrument :

MSVOA_V

ClientSampleId :

GAXY3

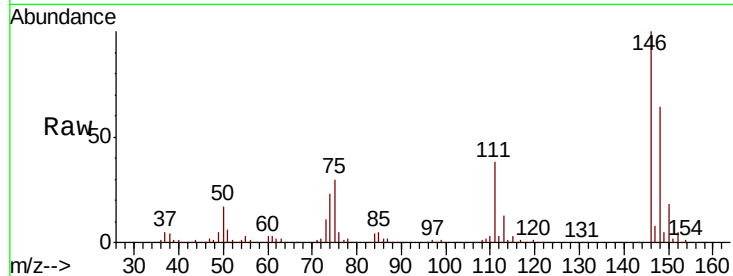
Tot Ion:146 Resp: 96564

Ion Ratio Lower Upper

146 100

111 38.1 26.9 50.1

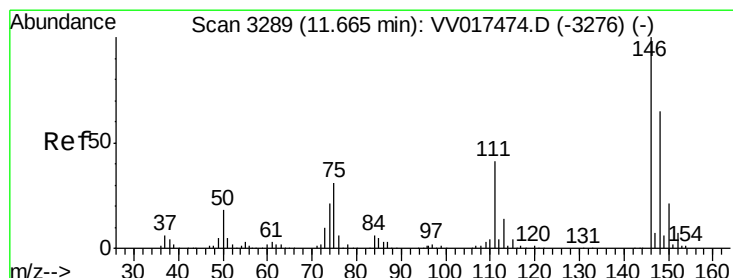
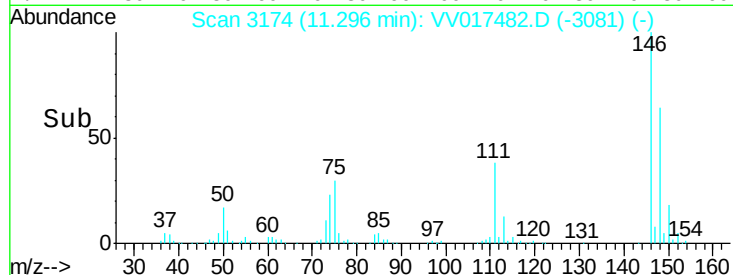
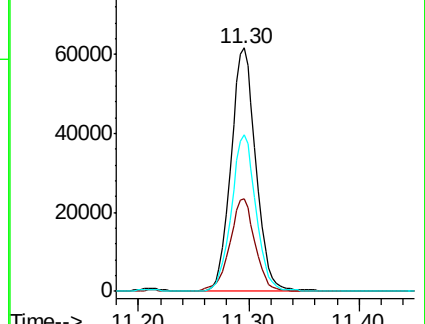
148 64.3 46.1 85.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 11.719 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017482.D

Acq: 14 Jul 2020 14:29

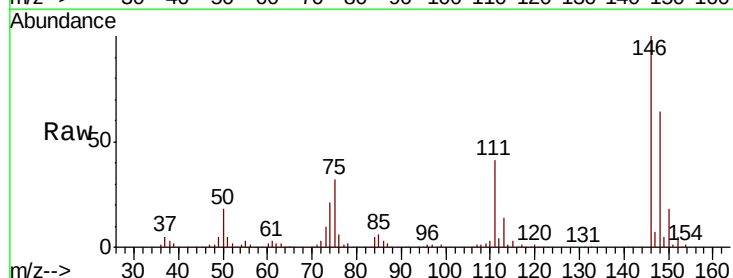
Tgt Ion:146 Resp: 246628

Ion Ratio Lower Upper

146 100

111 40.6 32.7 49.1

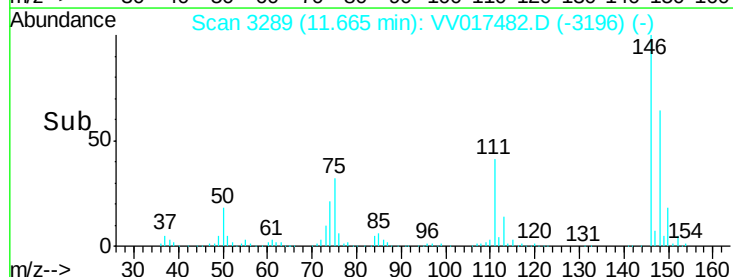
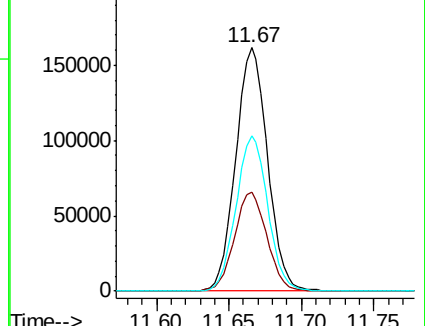
148 63.6 52.3 78.5

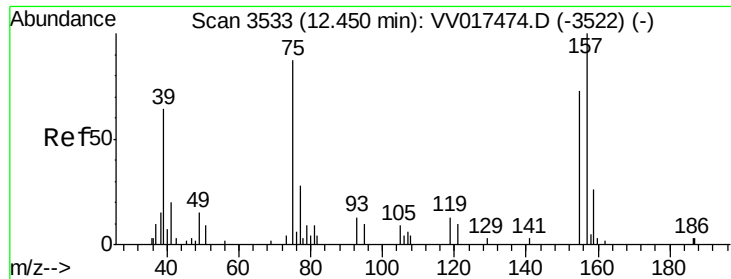


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dibromo-3-chloropropane

Concen: 3.698 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV017482.D

Acq: 14 Jul 2020 14:29

Instrument :

MSVOA_V

ClientSampleId :

GAXY3

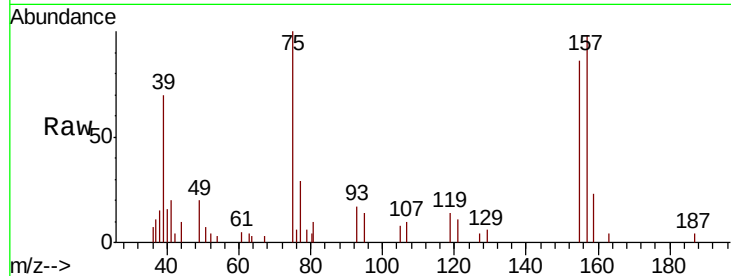
Tot Ion: 75 Resp: 4794

Ion Ratio Lower Upper

75 100

155 86.0 67.5 101.3

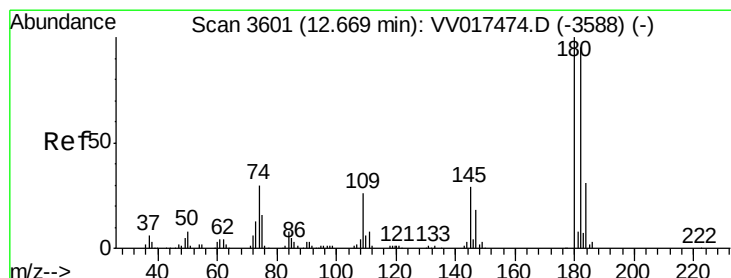
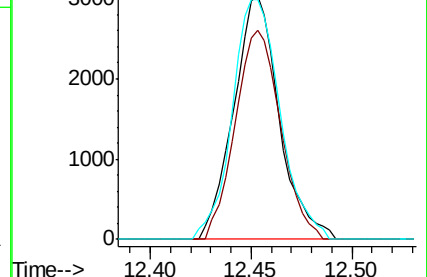
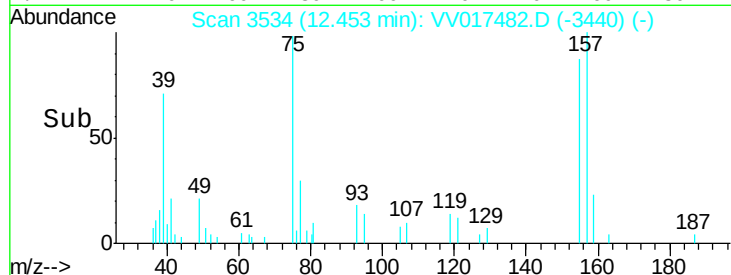
157 98.4 92.5 138.7



Abundance Ion 75.05 (74.75 to 75.75): VV017482.D (-3440) (-)

Ion 154.95 (154.65 to 155.65): VV017482.D (-3440) (-)

Ion 156.90 (156.60 to 157.60): VV017482.D (-3440) (-)



#68

1,3,5-Trichlorobenzene

Concen: 5.256 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV017482.D

Acq: 14 Jul 2020 14:29

Tgt Ion: 180 Resp: 99267

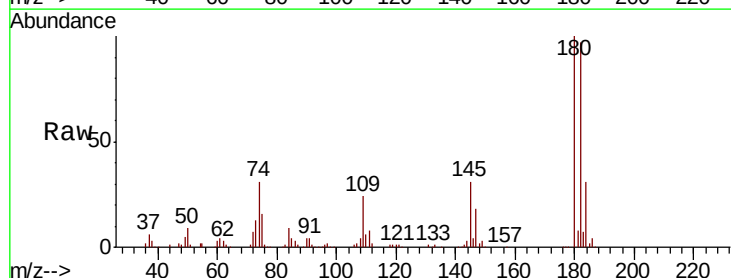
Ion Ratio Lower Upper

180 100

182 97.0 76.2 114.4

184 30.7 24.3 36.5

145 30.6 24.2 36.4

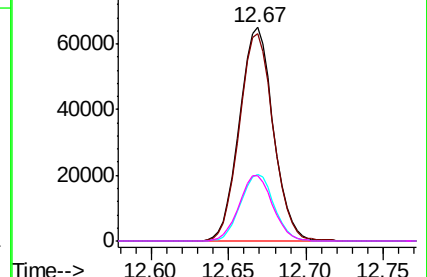
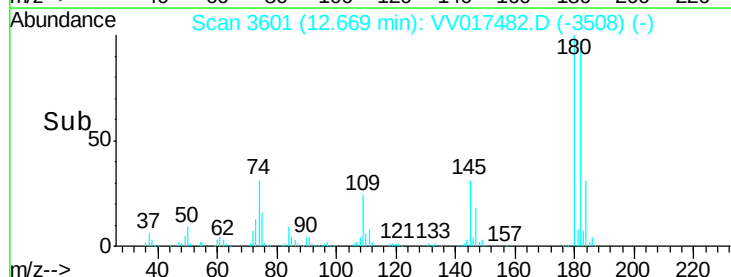


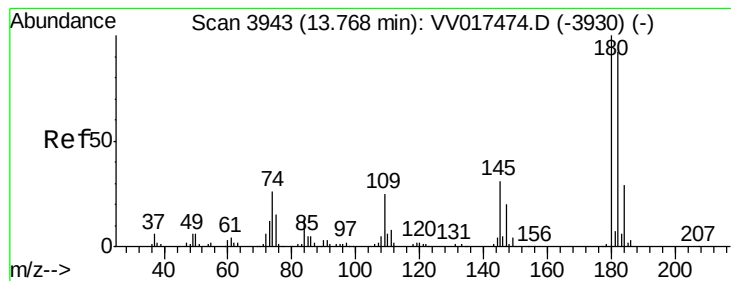
Abundance Ion 180.00 (179.70 to 180.70): VV017482.D (-3508) (-)

Ion 182.00 (181.70 to 182.70): VV017482.D (-3508) (-)

Ion 184.00 (183.70 to 184.70): VV017482.D (-3508) (-)

Ion 145.00 (144.70 to 145.70): VV017482.D (-3508) (-)





#71
 1,2,3-Trichlorobenzene
 Concen: 10.344 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV017482.D
 Acq: 14 Jul 2020 14:29

Instrument :
 MSVOA_V
 ClientSampleId :
 GAXY3

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	74.0	111.0
145	31.9	26.0	39.0

