

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV011320\
 Data File : VV014278.D
 Acq On : 13 Jan 2020 14:51
 Operator : SY/MD
 Sample : L1101-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GASD3

Quant Time: Jan 14 15:14:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 14 15:11:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	995199	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	899025	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	414839	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	302436	4.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.80%
7) Chloroethane-d5	1.58	69	236713	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	2.13	63	408331	3.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.60%
20) 2-Butanone-d5	3.96	46	756584	45.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.46%
24) Chloroform-d	4.40	84	668836	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.08	65	314021	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.09	84	1352009	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.11	67	416110	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.35	98	1245379	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	7.66	79	175658	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.13	63	694154	44.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.12%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	271635	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	393872	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	283001	3.772 ug/L	99
5) Vinyl chloride	1.32	62	250616	3.598 ug/L	99
8) Chloroethane	1.60	64	480976	12.290 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	492548	11.059 ug/L	98
12) 1,1-Dichloroethene	2.14	96	92851	2.088 ug/L #	58
13) Acetone	2.25	43	1464138	127.104 ug/L	57
14) Carbon disulfide	2.31	76	10983	0.056 ug/L #	88
15) Methyl Acetate	2.47	43	271802	10.136 ug/L	98
16) Methylene chloride	2.53	84	29444	0.407 ug/L	83
18) trans-1,2-Dichloroethene	2.79	96	183264	2.742 ug/L	95
19) 1,1-Dichloroethane	3.23	63	272397	2.079 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	298772	4.078 ug/L #	94
23) Bromochloromethane	4.29	128	142106	5.102 ug/L	93
25) Chloroform	4.42	83	1005157	8.015 ug/L	100
27) 1,2-Dichloroethane	5.18	62	144327	1.924 ug/L #	93
29) 1,1,1-Trichloroethane	4.65	97	228001	2.130 ug/L	99
31) Carbon tetrachloride	4.87	117	290034	3.165 ug/L	98

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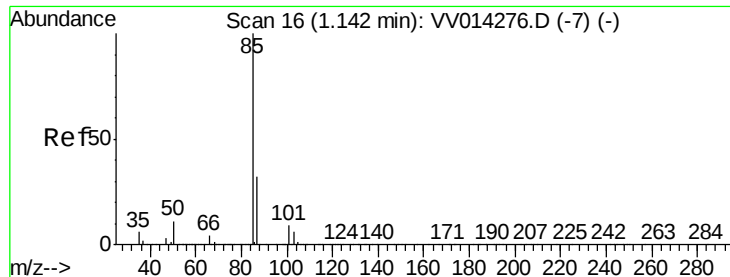
Instrument :
 MSVOA_V
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

34) Trichloroethene	5.96	95	172971	2.431	ug/L	98
35) Methylcyclohexane	6.11	83	98003	0.842	ug/L #	18
39) cis-1,3-Dichloropropene	7.07	75	564340	4.988	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	2577419	58.506	ug/L	100
42) Toluene	7.43	91	32564	0.111	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	234110	2.694	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	92596	2.074	ug/L	99
47) Tetrachloroethene	8.01	164	156518	3.220	ug/L	97
48) 2-Hexanone	8.13	43	87834	2.883	ug/L #	71
49) Dibromochloromethane	8.01	129	155306	2.752	ug/L #	10
50) 1,2-Dibromoethane	8.39	107	210444	4.868	ug/L	96
51) Chlorobenzene	8.92	112	1108127	6.165	ug/L	98
52) Ethylbenzene	9.05	91	26060	0.080	ug/L	91
53) m,p-xylene	9.18	106	10316	0.086	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	90594	1.646	ug/L	95
61) Bromoform	9.77	173	83953	2.986	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	435884	3.361	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	286479	2.221	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.68	75	102974	9.565	ug/L #	5
67) 1,3,5-Trichlorobenzene	12.69	180	516428	5.476	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	433084	5.236	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	230633	3.168	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 3.772 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014278.D

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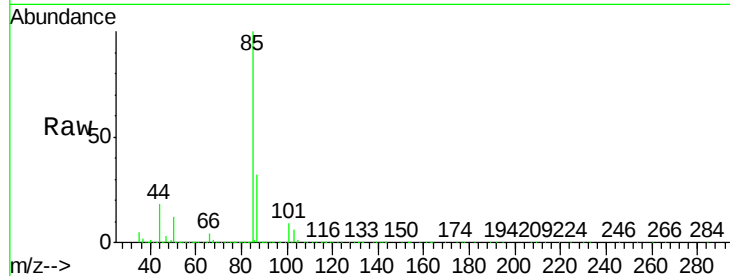
Instrument :
MSVOA_V
ClientSampleId :
GASD3

Tgt Ion: 85 Resp: 283001

Ion Ratio Lower Upper

85 100

87 31.9 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV014276.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV014276.D (-7) (-)

1.14

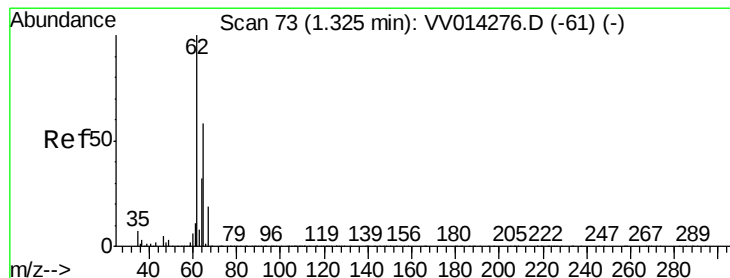
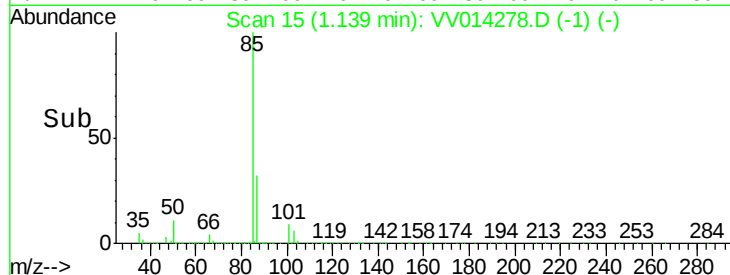
300000

200000

100000

0

Time-->



#5

Vinyl chloride

Concen: 3.598 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014278.D

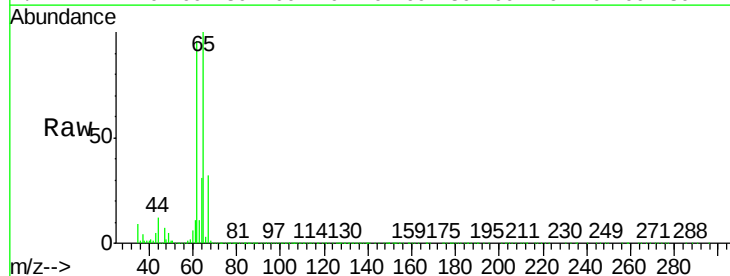
Acq: 13 Jan 2020 14:51

Tgt Ion: 62 Resp: 250616

Ion Ratio Lower Upper

62 100

64 32.4 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV014276.D (-61) (-)

Ion 64.10 (63.80 to 64.80): VV014276.D (-61) (-)

1.32

300000

250000

200000

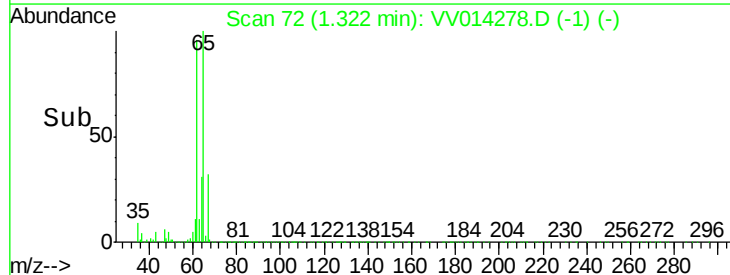
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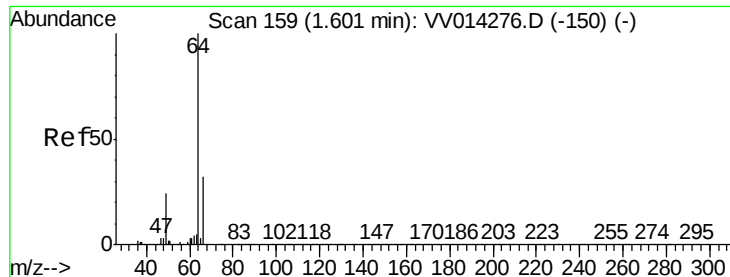
100000

50000

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Time-->





#8

Chloroethane

Concen: 12.290 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014278.D

Acq: 13 Jan 2020 14:51

Instrument :

MSVOA_V

ClientSampleId :

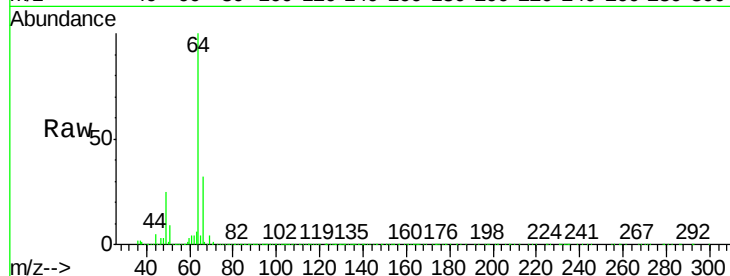
GASD3

Tgt Ion: 64 Resp: 480976

Ion Ratio Lower Upper

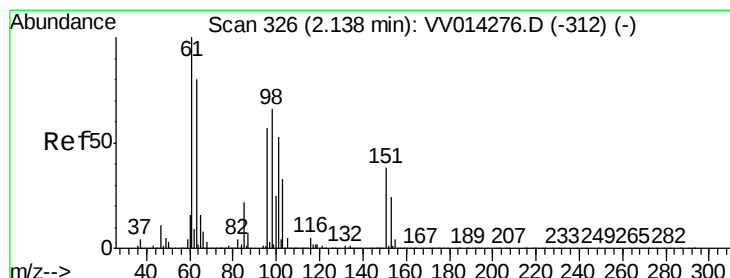
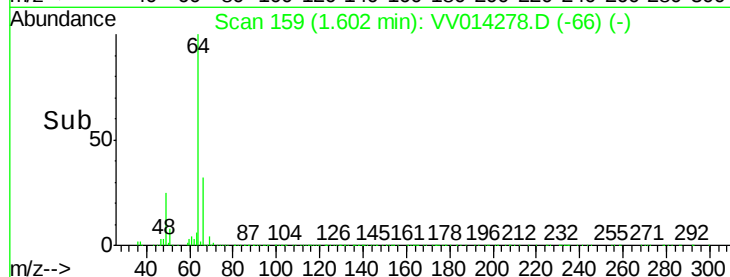
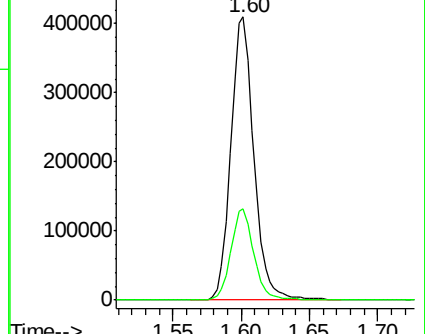
64 100

66 32.1 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#10

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

Concen: 11.059 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV014278.D

Acq: 13 Jan 2020 14:51

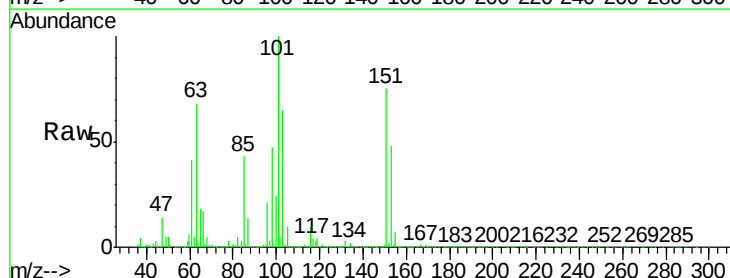
Tgt Ion: 101 Resp: 492548

Ion Ratio Lower Upper

101 100

85 43.0 34.9 52.3

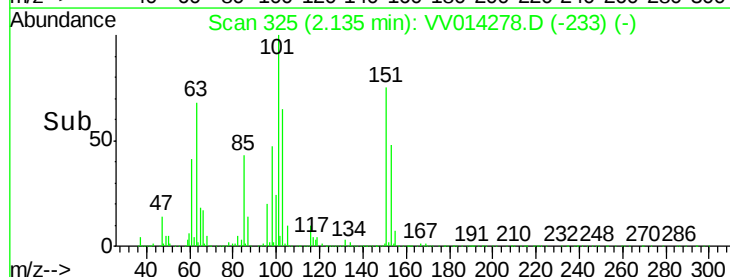
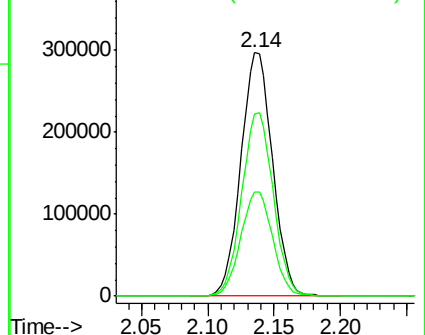
151 75.4 62.5 93.7

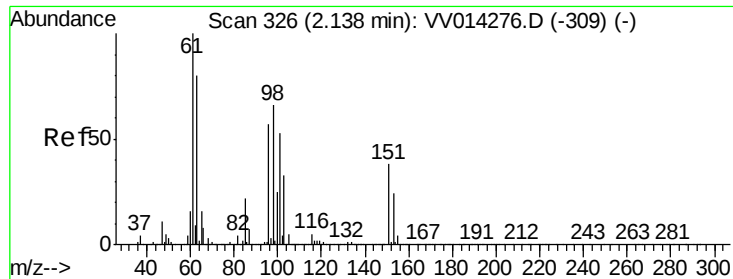


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

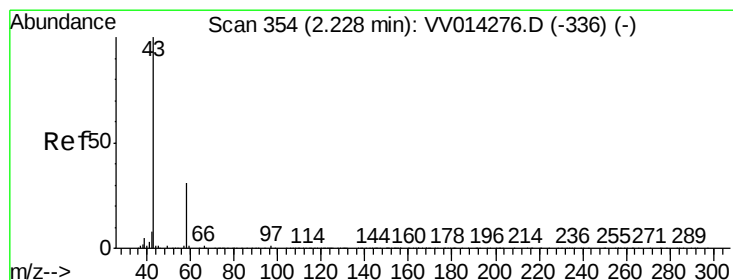
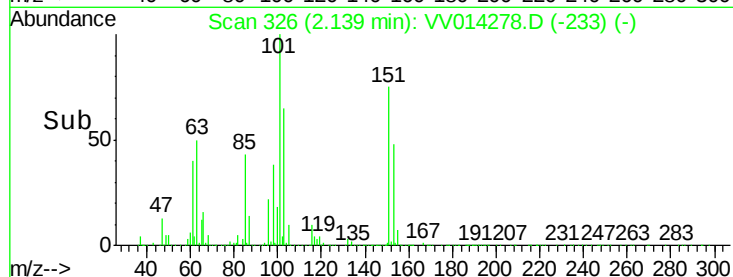
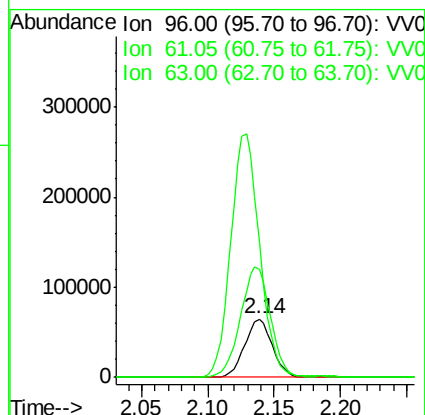
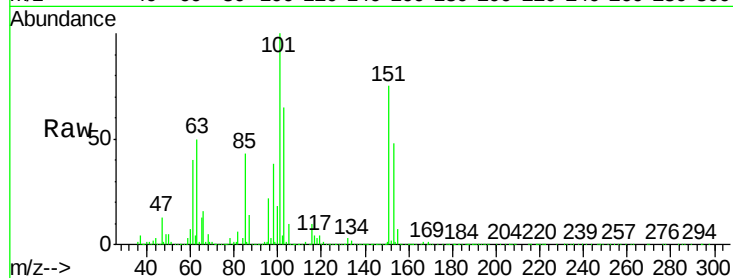




#12
 1,1-Dichloroethene
 Concen: 2.088 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VV014278.D
 Acq: 13 Jan 2020 14:51

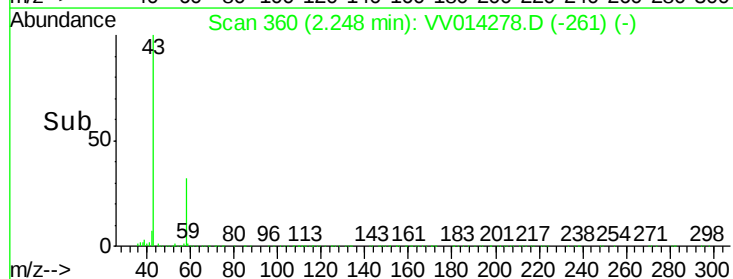
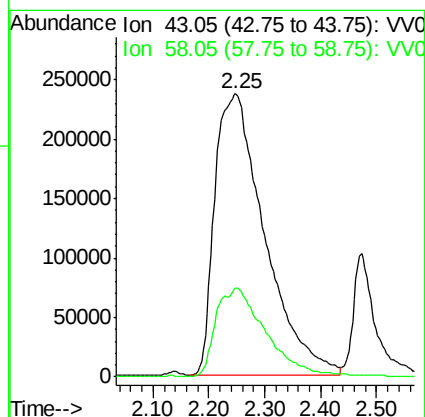
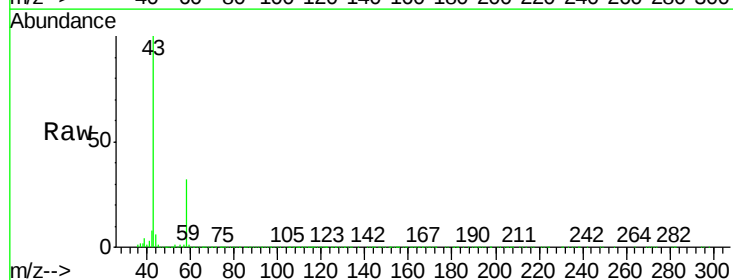
Instrument :
 MSVOA_V
 ClientSampleId :
 GASD3

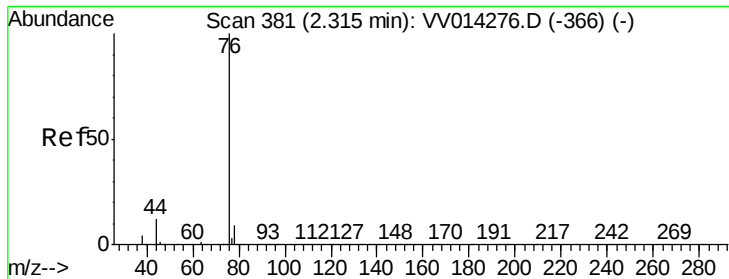
Tgt Ion: 96 Resp: 92851
 Ion Ratio Lower Upper
 96 100
 61 185.2 121.5 225.7
 63 230.4 90.3 167.7#



#13
 Acetone
 Concen: 127.104 ug/L
 RT: 2.25 min Scan# 360
 Delta R.T. 0.02 min
 Lab File: VV014278.D
 Acq: 13 Jan 2020 14:51

Tgt Ion: 43 Resp: 1464138
 Ion Ratio Lower Upper
 43 100
 58 8.8 0.0 66.0





#14

Carbon disulfide

Concen: 0.056 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV014278.D

Acq: 13 Jan 2020 14:51

Instrument :

MSVOA_V

ClientSampleId :

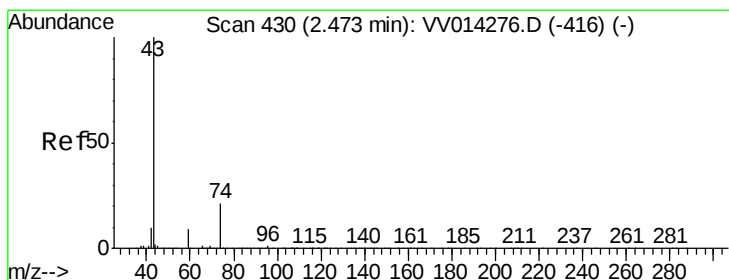
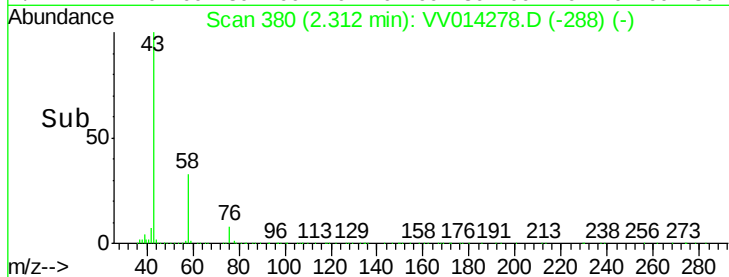
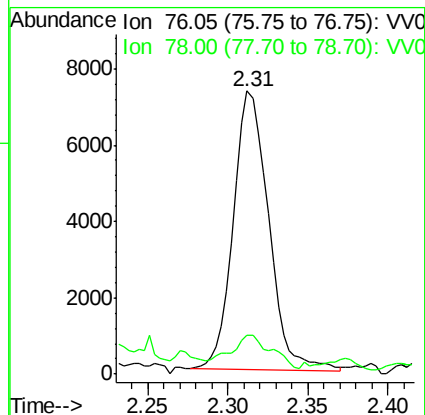
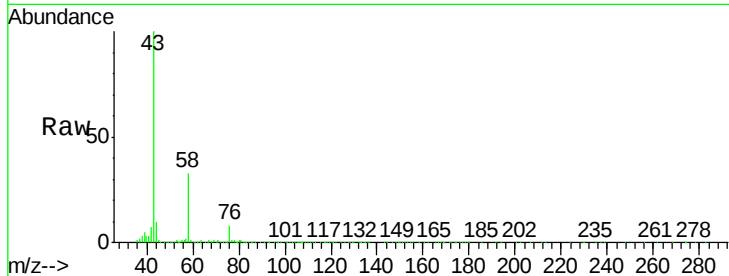
GASD3

Tgt Ion: 76 Resp: 10983

Ion Ratio Lower Upper

76 100

78 13.9 7.5 11.3#



#15

Methyl Acetate

Concen: 10.136 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV014278.D

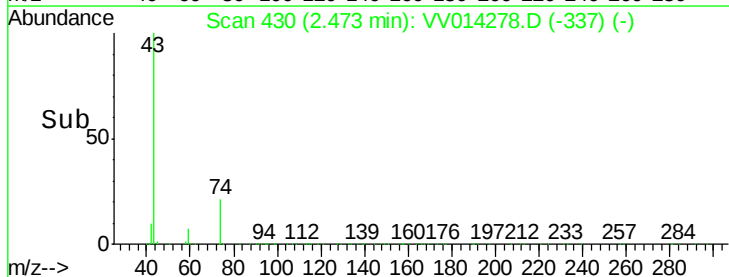
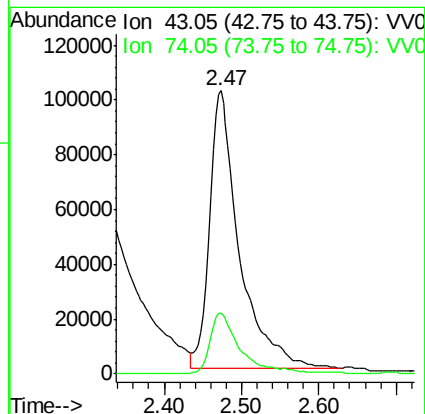
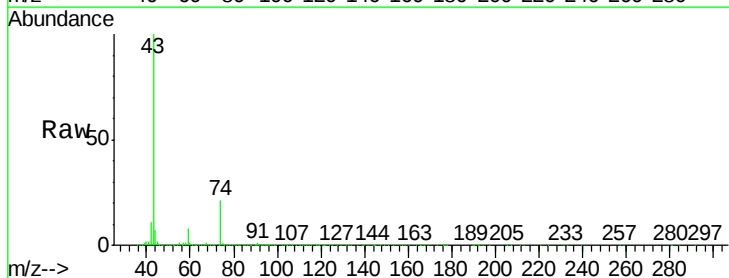
Acq: 13 Jan 2020 14:51

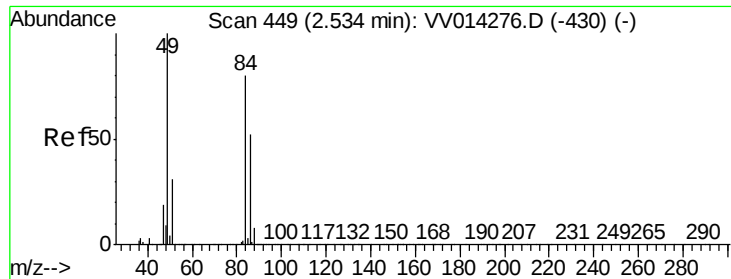
Tgt Ion: 43 Resp: 271802

Ion Ratio Lower Upper

43 100

74 22.1 18.6 28.0

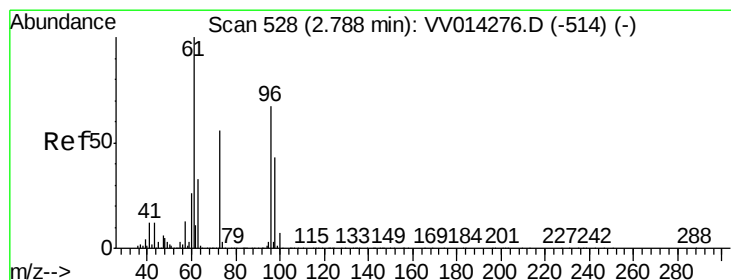
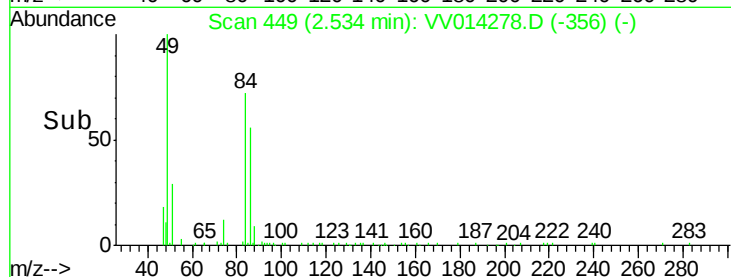
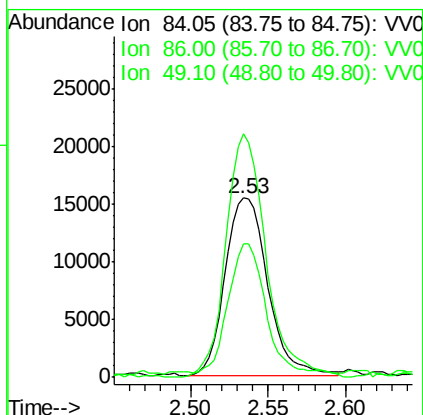
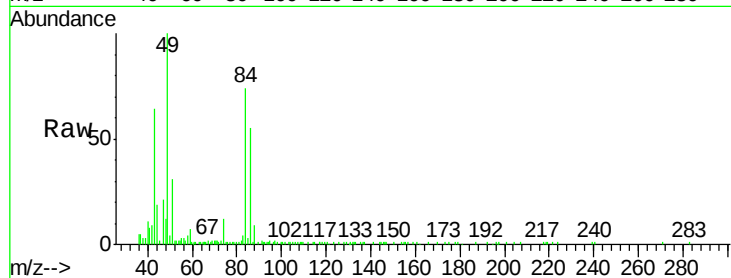




#16
Methylene chloride
Concen: 0.407 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014278.D
Acq: 13 Jan 2020 14:51

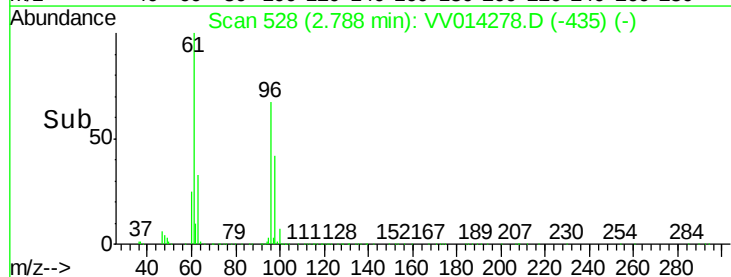
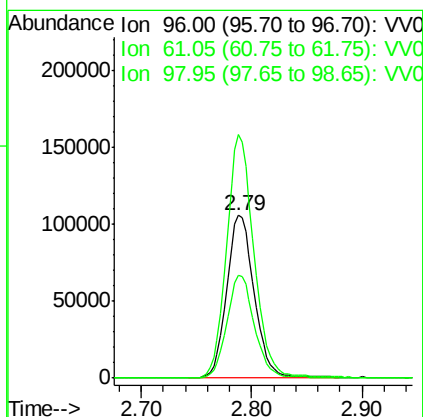
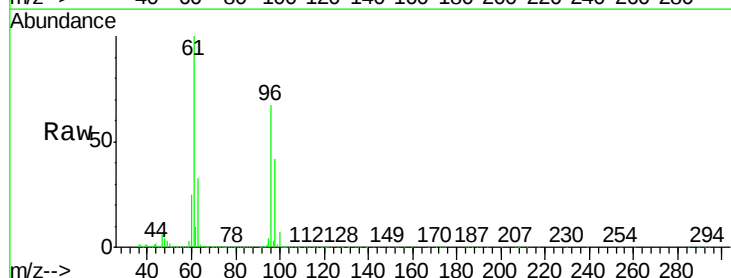
Instrument :
MSVOA_V
ClientSampled :
GASD3

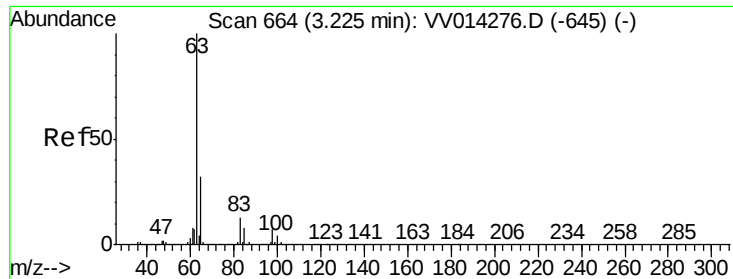
Tgt Ion: 84 Resp: 29444
Ion Ratio Lower Upper
84 100
86 74.8 43.1 80.1
49 136.0 82.1 152.5



#18
trans-1,2-Dichloroethene
Concen: 2.742 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV014278.D
Acq: 13 Jan 2020 14:51

Tgt Ion: 96 Resp: 183264
Ion Ratio Lower Upper
96 100
61 149.8 99.2 184.2
98 63.0 43.1 80.1

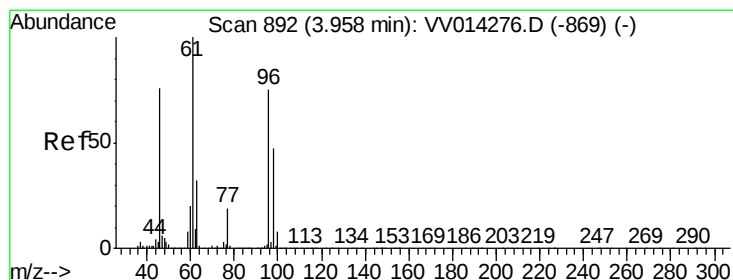
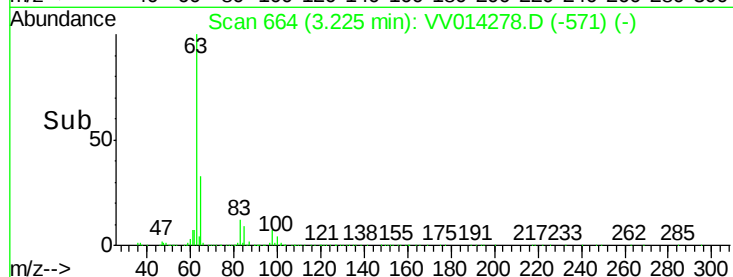
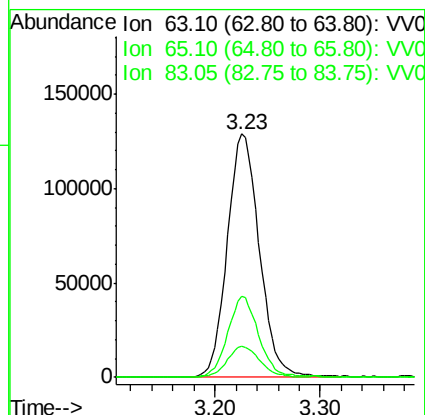
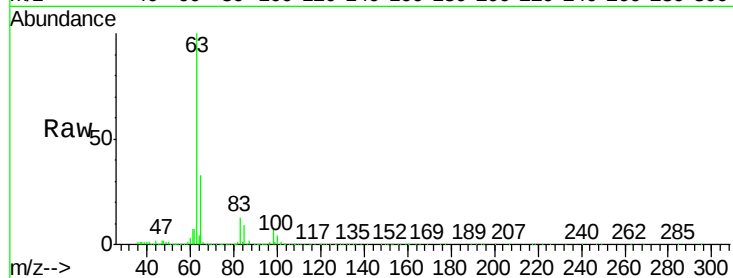




#19
 1,1-Dichloroethane
 Concen: 2.079 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV014278.D
 Acq: 13 Jan 2020 14:51

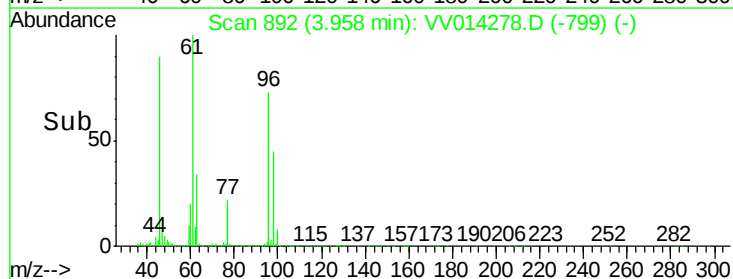
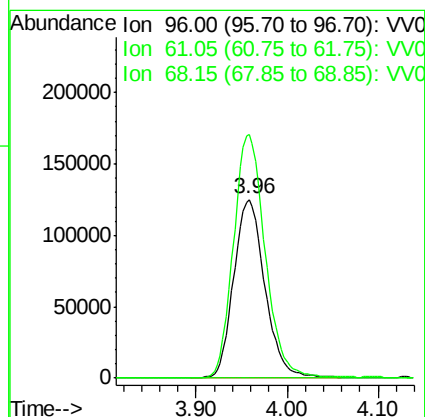
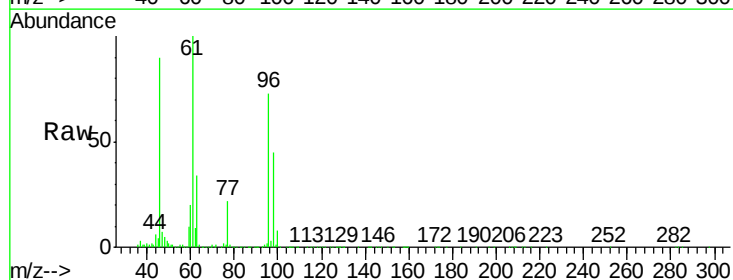
Instrument :
 MSVOA_V
 ClientSampleId :
 GASD3

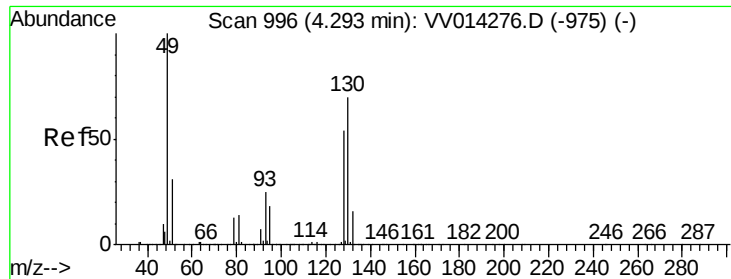
Tgt Ion:	63	Resp:	272397
Ion	Ratio	Lower	Upper
63	100		
65	33.3	22.7	42.3
83	12.6	10.0	18.6



#22
 cis-1,2-Dichloroethene
 Concen: 4.078 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV014278.D
 Acq: 13 Jan 2020 14:51

Tgt Ion:	96	Resp:	298772
Ion	Ratio	Lower	Upper
96	100		
61	136.4	90.6	168.3
68	0.3	0.3	0.7#





#23

Bromochloromethane

Concen: 5.102 ug/L

RT: 4.29 min Scan# 996

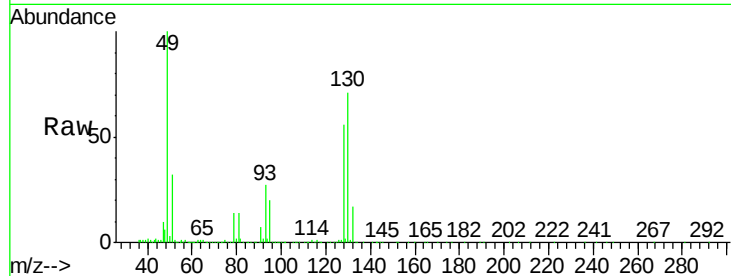
Delta R.T. 0.00 min

Lab File: VV014278.D

Acq: 13 Jan 2020 14:51

Instrument :
MSVOA_V
ClientSampleId :
GASD3

Tgt Ion:	128	Resp:	142106
Ion	Ratio	Lower	Upper
128	100		
49	177.6	117.5	218.1
130	126.6	93.7	173.9
51	56.4	42.0	63.0

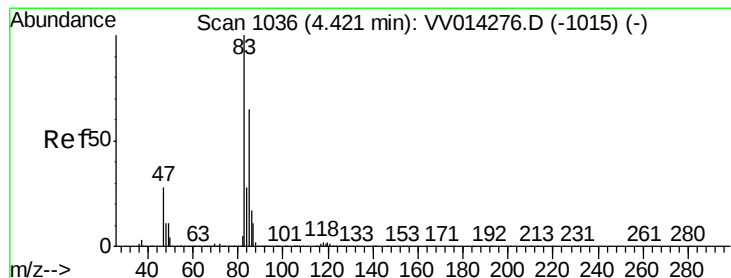
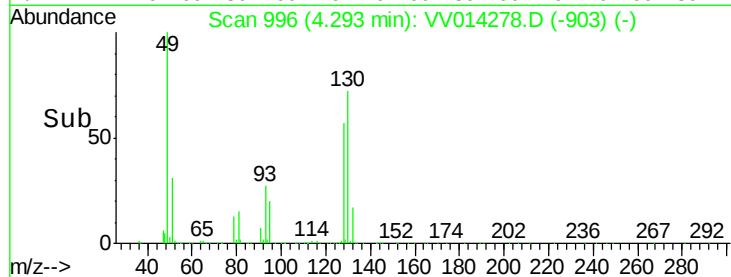
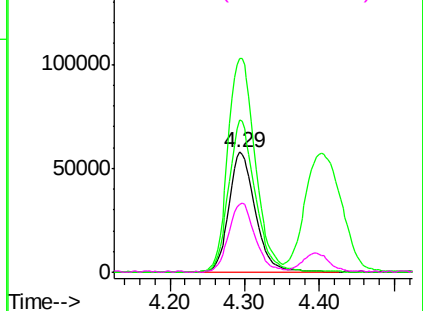


Abundance Ion 127.90 (127.60 to 128.60): VV014278.D (-903) (-)

Ion 49.10 (48.80 to 49.80): VV014278.D (-903) (-)

Ion 129.95 (129.65 to 130.65): VV014278.D (-903) (-)

Ion 51.05 (50.75 to 51.75): VV014278.D (-903) (-)



#25

Chloroform

Concen: 8.015 ug/L

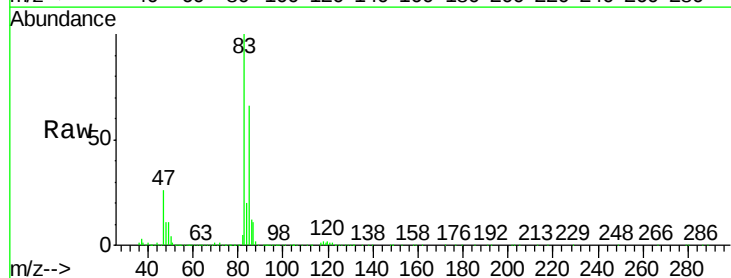
RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV014278.D

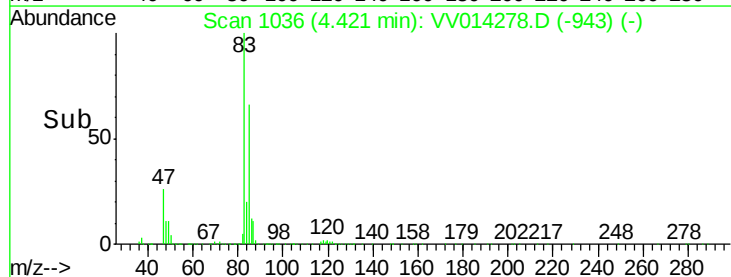
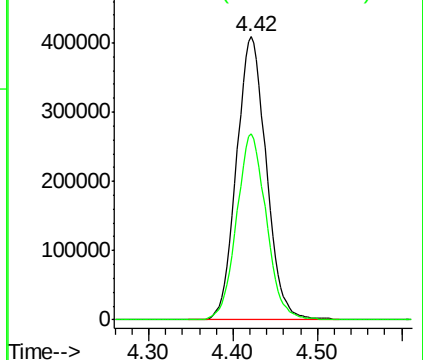
Acq: 13 Jan 2020 14:51

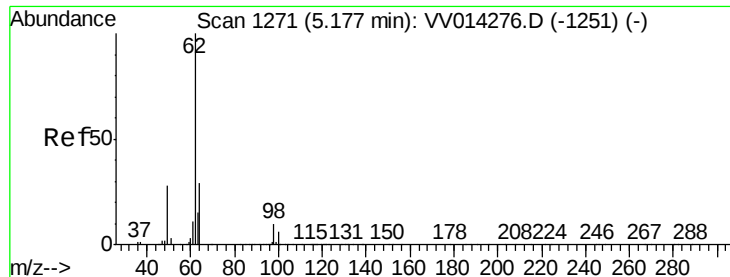
Tgt Ion:	83	Resp:	1005157
Ion	Ratio	Lower	Upper
83	100		
85	65.8	46.2	85.8



Abundance Ion 83.05 (82.75 to 83.75): VV014278.D (-943) (-)

Ion 85.00 (84.70 to 85.70): VV014278.D (-943) (-)





#27

1,2-Dichloroethane

Concen: 1.924 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV014278.D

Acq: 13 Jan 2020 14:51

Instrument :

MSVOA_V

ClientSampleId :

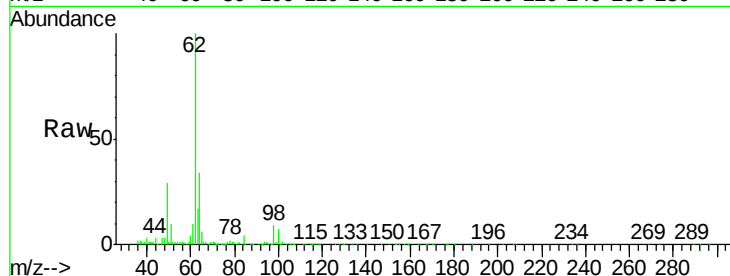
GASD3

Tgt Ion: 62 Resp: 144327

Ion Ratio Lower Upper

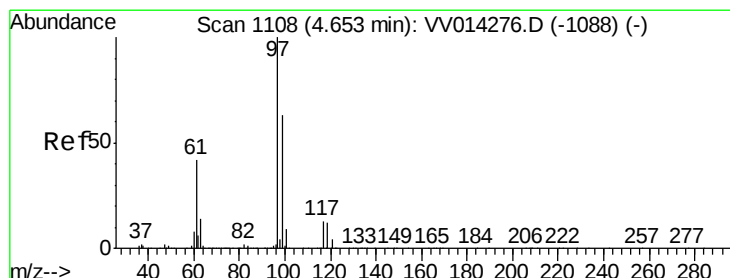
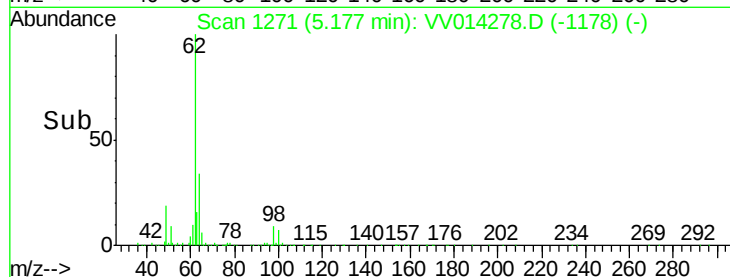
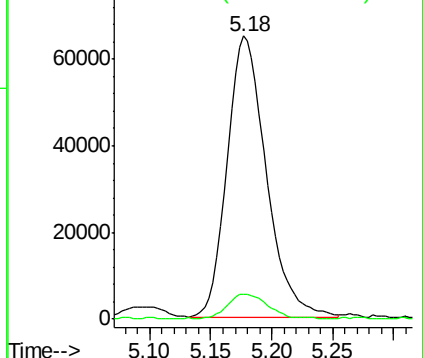
62 100

98 8.7 9.2 13.8#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#29

1,1,1-Trichloroethane

Concen: 2.130 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV014278.D

Acq: 13 Jan 2020 14:51

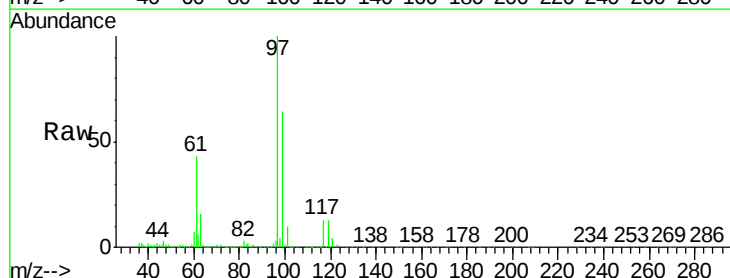
Tgt Ion: 97 Resp: 228001

Ion Ratio Lower Upper

97 100

99 63.6 51.1 76.7

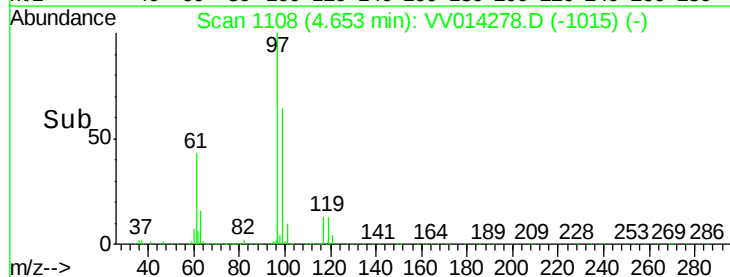
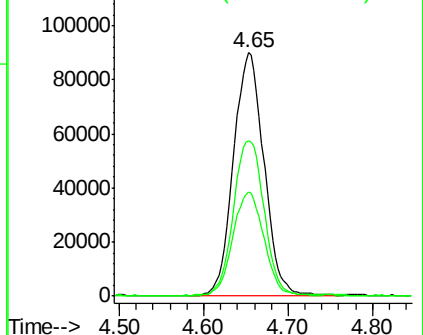
61 43.6 33.9 50.9

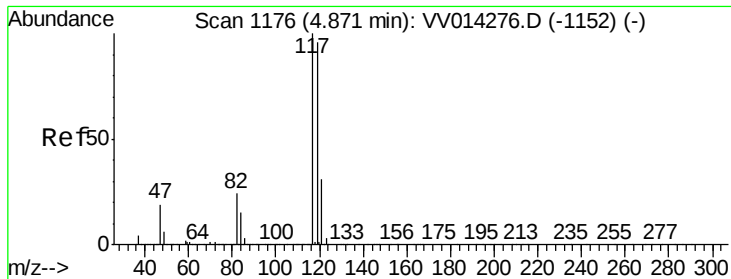


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 3.165 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV014278.D

Acq: 13 Jan 2020 14:51

Instrument :

MSVOA_V

ClientSampleId :

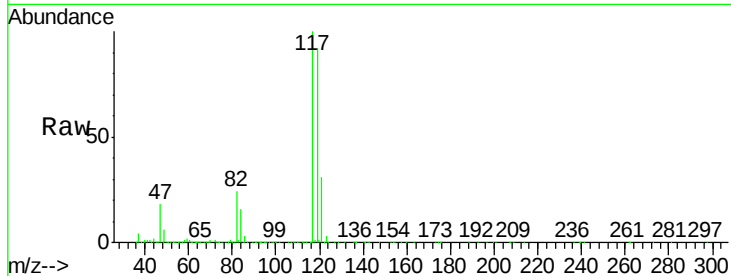
GASD3

Tgt Ion:117 Resp: 290034

Ion Ratio Lower Upper

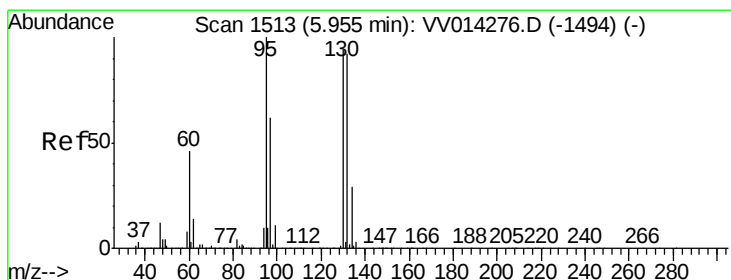
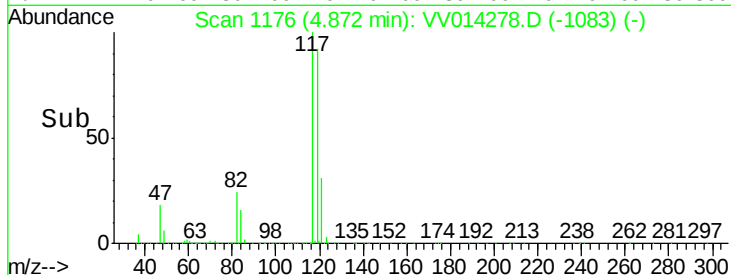
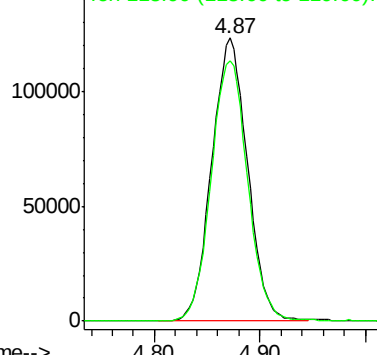
117 100

119 93.9 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 2.431 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014278.D

Acq: 13 Jan 2020 14:51

Tgt Ion: 95 Resp: 172971

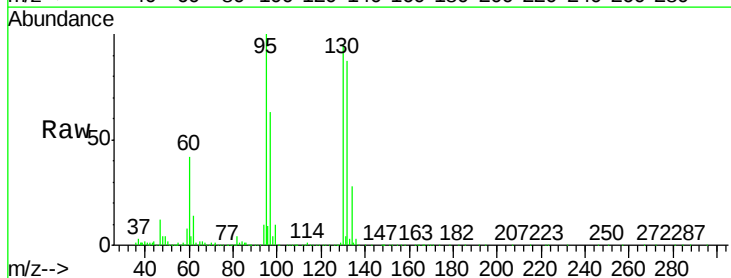
Ion Ratio Lower Upper

95 100

97 62.9 43.8 81.3

132 87.1 63.4 117.8

130 95.5 65.7 122.1

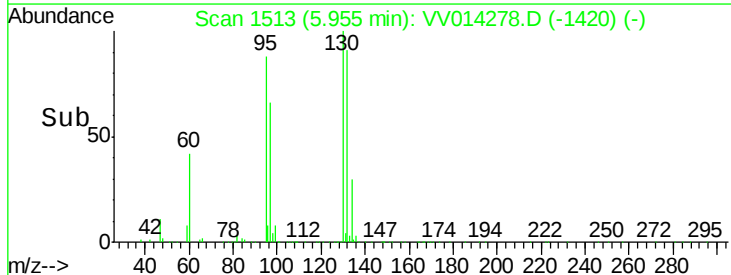
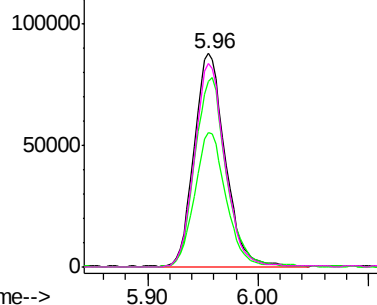


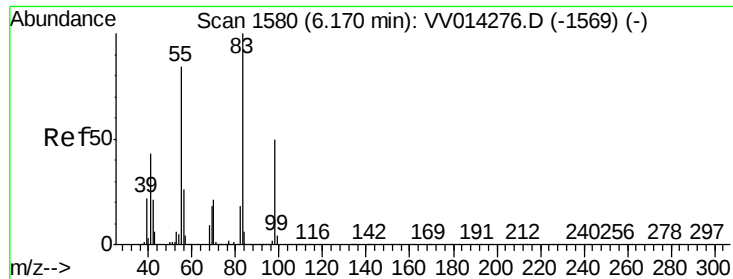
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

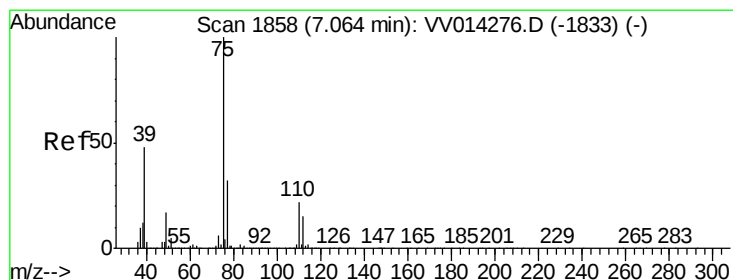
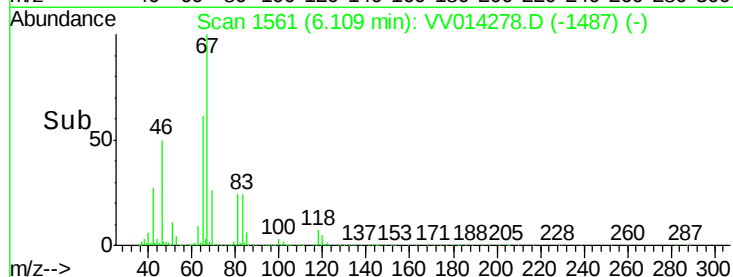
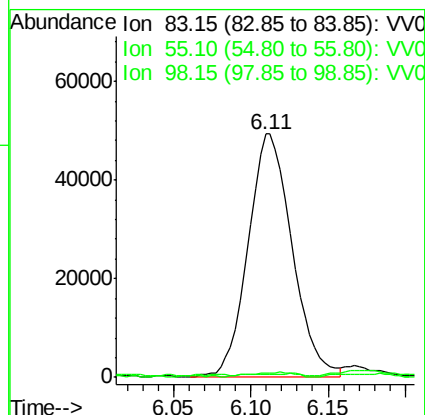
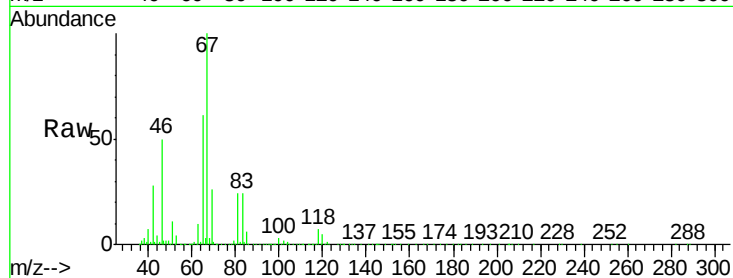




#35
Methylcyclohexane
Concen: 0.842 ug/L
RT: 6.11 min Scan# 1561
Delta R.T. -0.06 min
Lab File: VV014278.D
Acq: 13 Jan 2020 14:51

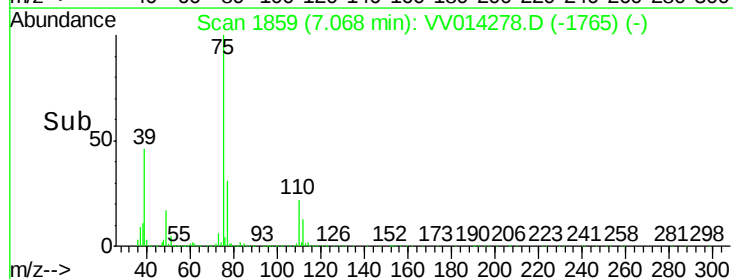
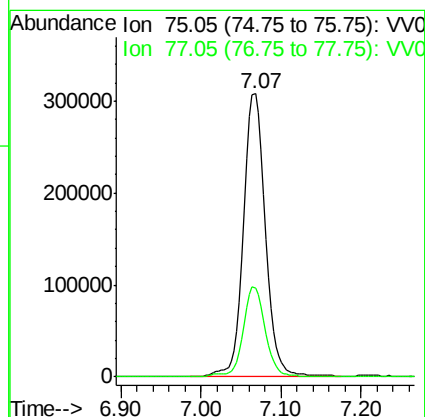
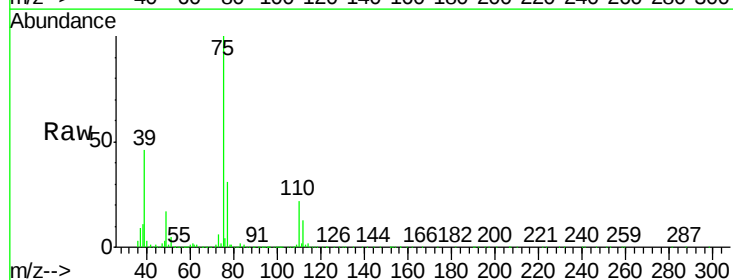
Instrument :
MSVOA_V
ClientSampleId :
GASD3

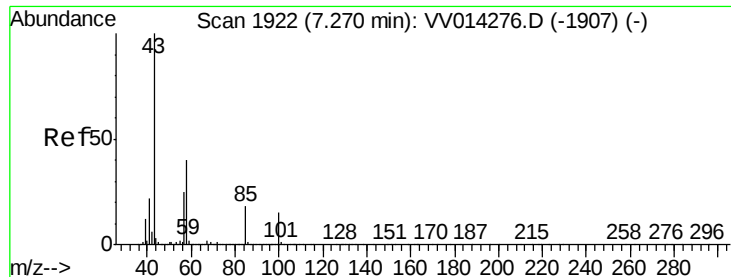
Tgt Ion: 83 Resp: 98003
Ion Ratio Lower Upper
83 100
55 0.4 61.7 92.5#
98 0.4 38.1 57.1#



#39
cis-1,3-Dichloropropene
Concen: 4.988 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV014278.D
Acq: 13 Jan 2020 14:51

Tgt Ion: 75 Resp: 564340
Ion Ratio Lower Upper
75 100
77 31.3 22.4 41.6

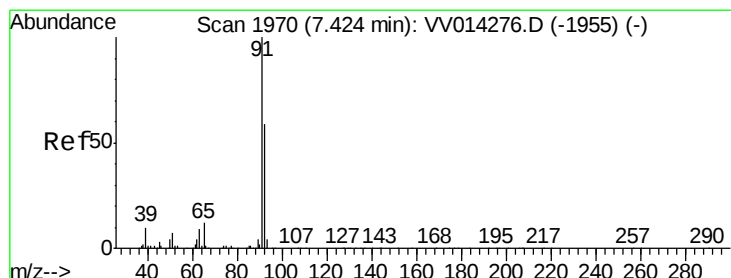
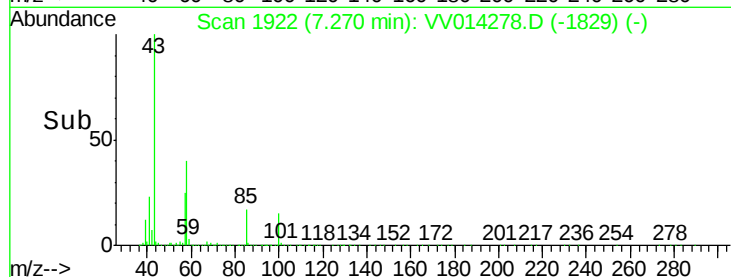
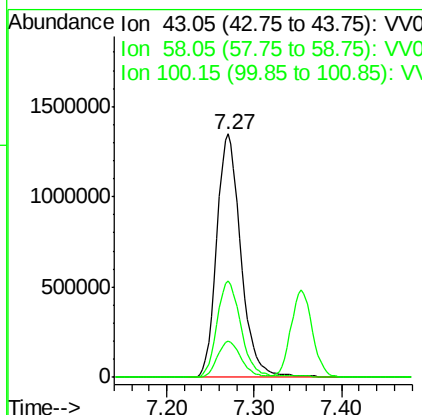
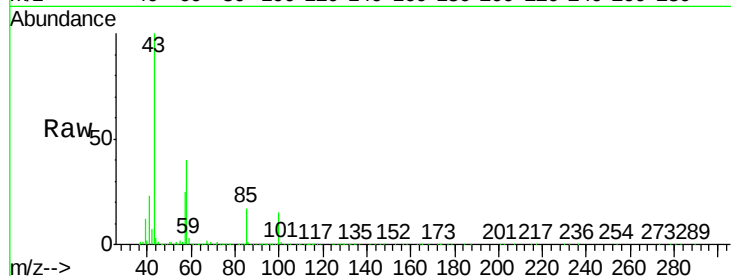




#40
4-Methyl-2-pentanone
Concen: 58.506 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV014278.D
Acq: 13 Jan 2020 14:51

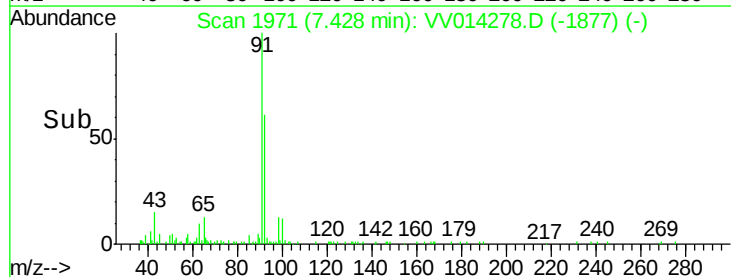
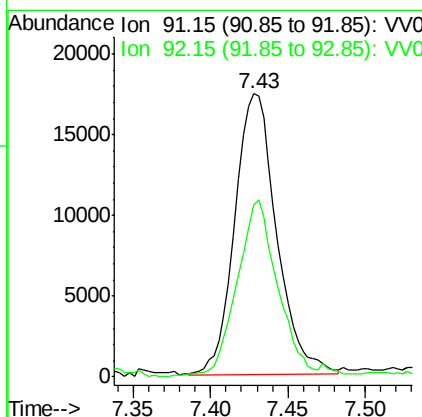
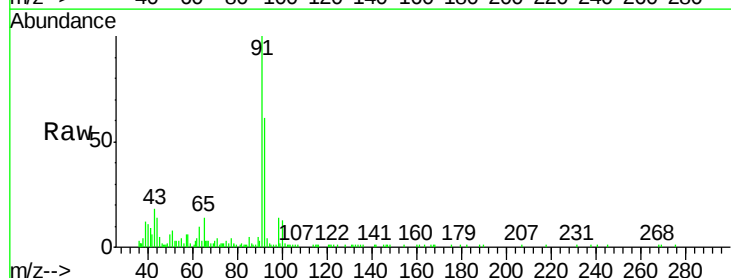
Instrument :
MSVOA_V
ClientSampleId :
GASD3

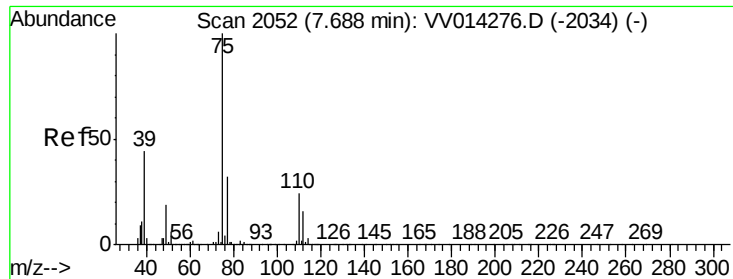
Tgt Ion: 43 Resp: 2577419
Ion Ratio Lower Upper
43 100
58 39.5 31.5 47.3
100 14.7 12.2 18.2



#42
Toluene
Concen: 0.111 ug/L
RT: 7.43 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VV014278.D
Acq: 13 Jan 2020 14:51

Tgt Ion: 91 Resp: 32564
Ion Ratio Lower Upper
91 100
92 60.8 41.2 76.6





#44

trans-1,3-Dichloropropene

Concen: 2.694 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014278.D

Acq: 13 Jan 2020 14:51

Instrument :

MSVOA_V

ClientSampled :

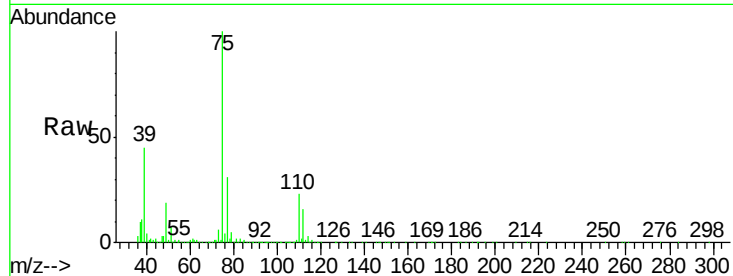
GASD3

Tgt Ion: 75 Resp: 234110

Ion Ratio Lower Upper

75 100

77 31.3 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

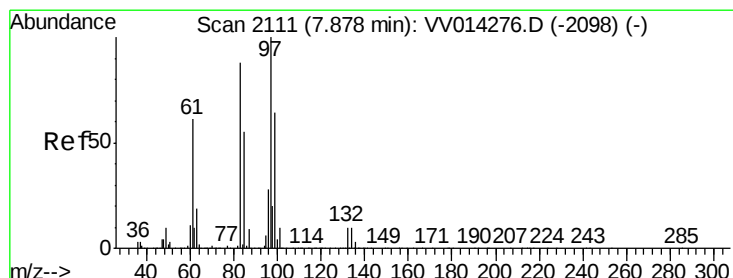
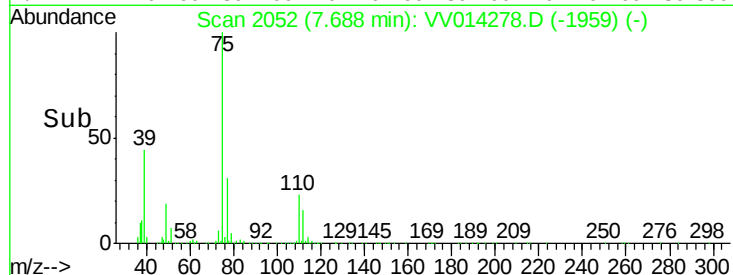
150000

100000

50000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 2.074 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV014278.D

Acq: 13 Jan 2020 14:51

Tgt Ion: 97 Resp: 92596

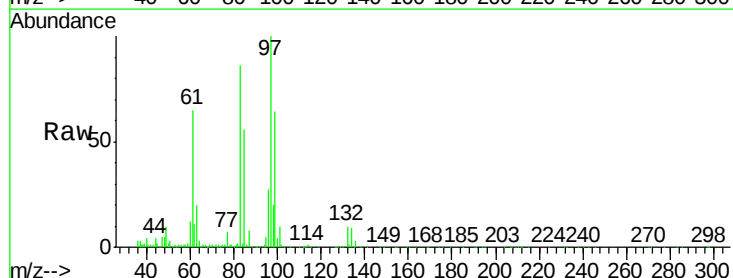
Ion Ratio Lower Upper

97 100

99 63.7 43.7 81.1

83 86.2 60.0 111.4

85 55.7 39.2 72.8



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

80000

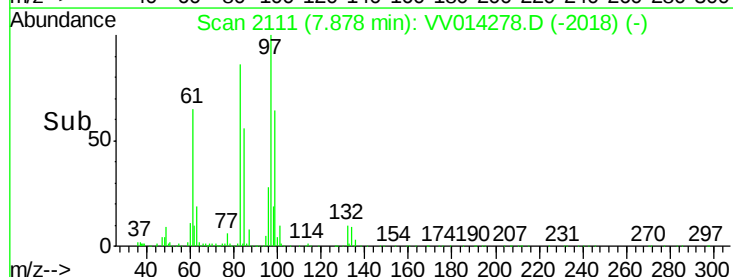
60000

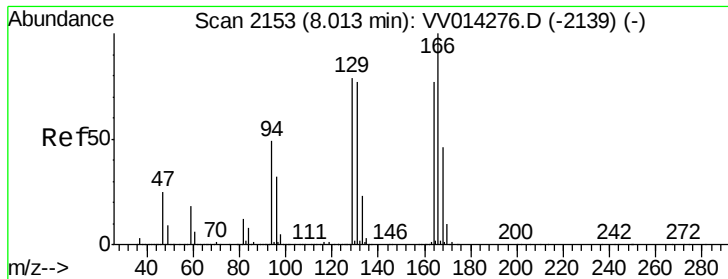
40000

20000

0

Time-->





#47

Tetrachloroethene

Concen: 3.220 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VV014278.D

Acq: 13 Jan 2020 14:51

Instrument :
MSVOA_V
ClientSampleId :
GASD3

Tgt Ion:164 Resp: 156518

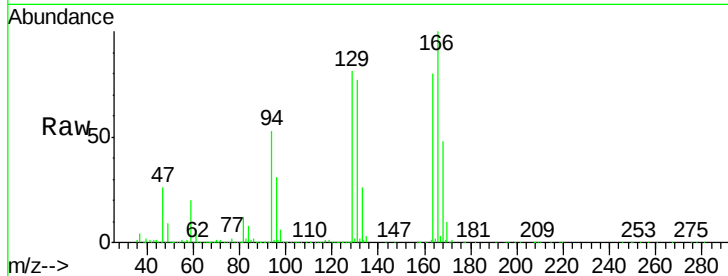
Ion Ratio Lower Upper

164 100

129 101.1 71.7 133.3

131 96.3 70.4 130.8

166 124.9 90.3 167.7

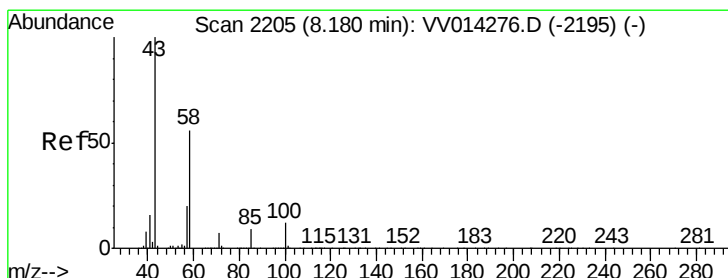
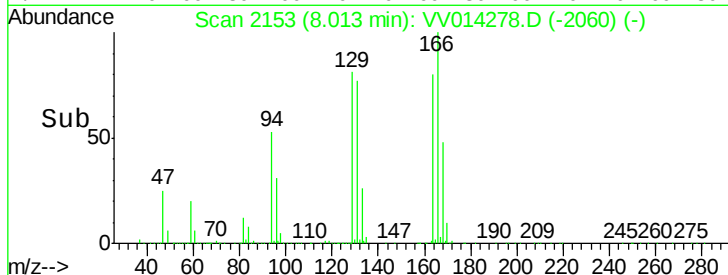
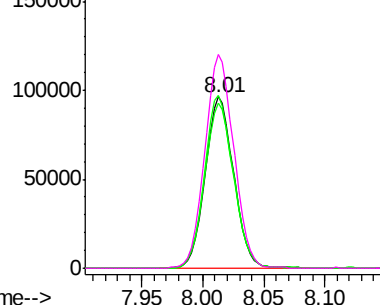


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 2.883 ug/L

RT: 8.13 min Scan# 2190

Delta R.T. -0.05 min

Lab File: VV014278.D

Acq: 13 Jan 2020 14:51

Tgt Ion: 43 Resp: 87834

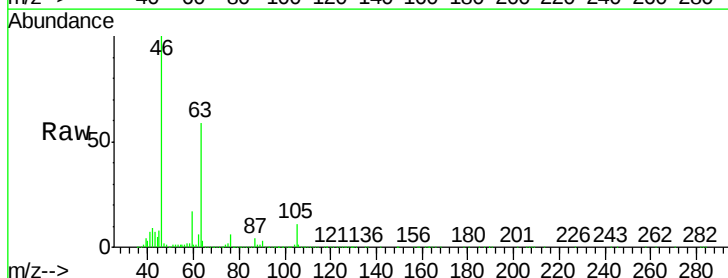
Ion Ratio Lower Upper

43 100

58 29.8 45.4 68.0#

57 23.1 15.8 23.8

100 0.4 10.2 15.4#

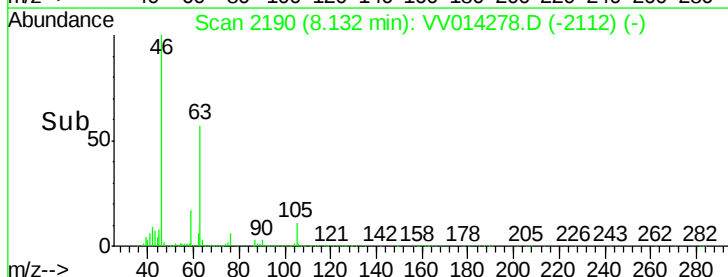
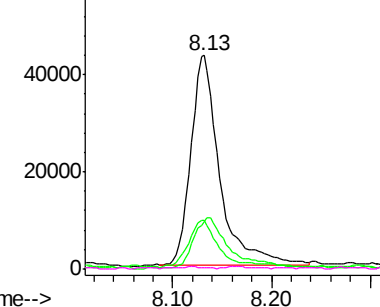


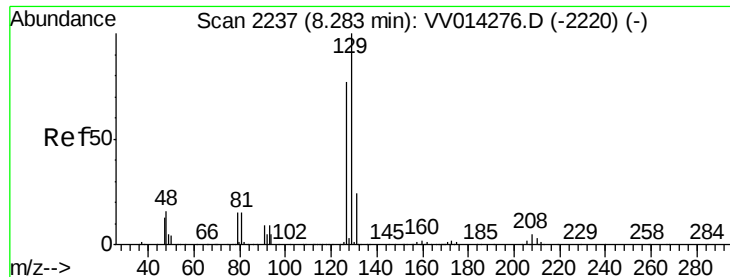
Abundance Ion 43.05 (42.75 to 43.75): VV0

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





#49

Dibromochloromethane

Concen: 2.752 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.27 min

Lab File: VV014278.D

Acq: 13 Jan 2020 14:51

Instrument :

MSVOA_V

ClientSampleId :

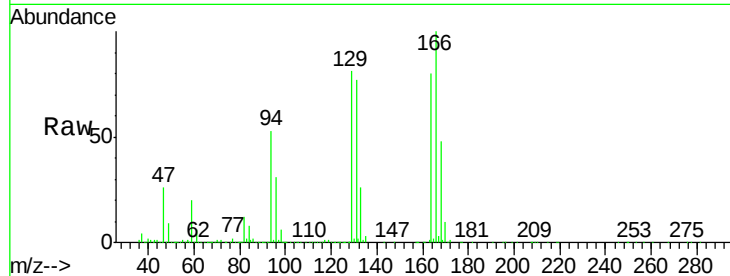
GASD3

Tgt Ion:129 Resp: 155306

Ion Ratio Lower Upper

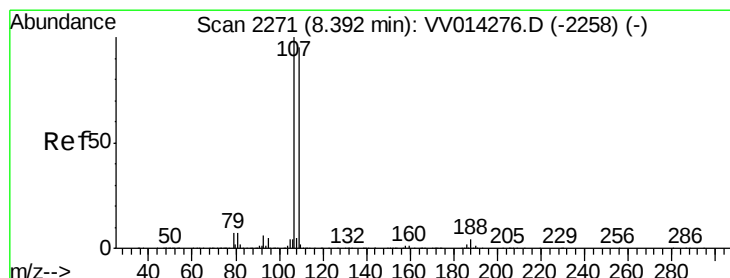
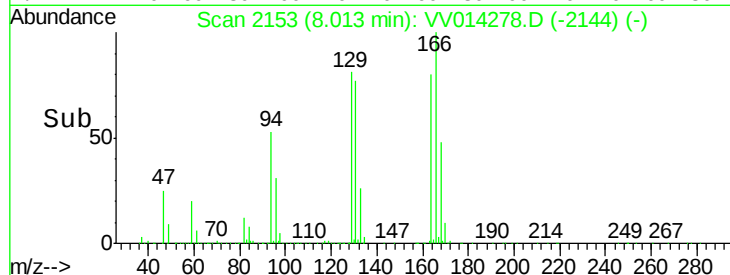
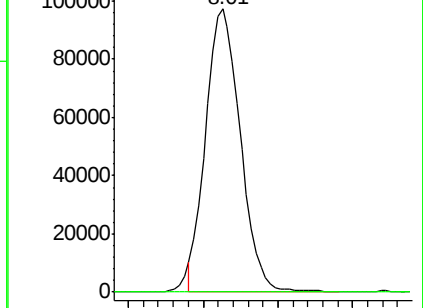
129 100

127 0.1 55.7 103.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 4.868 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV014278.D

Acq: 13 Jan 2020 14:51

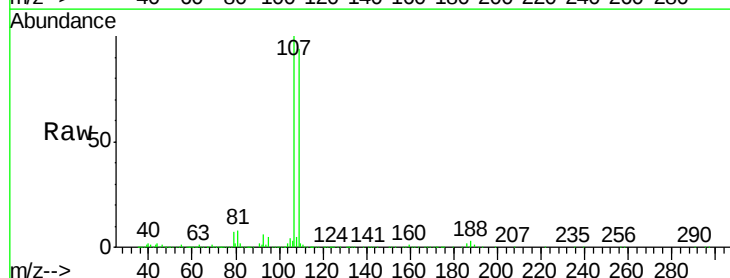
Tgt Ion:107 Resp: 210444

Ion Ratio Lower Upper

107 100

109 94.0 63.0 117.0

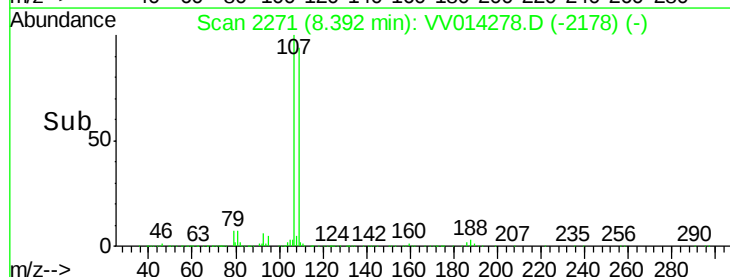
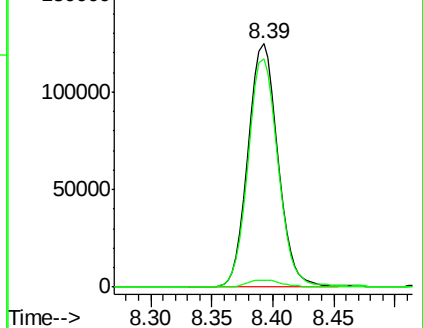
188 3.0 3.0 4.4

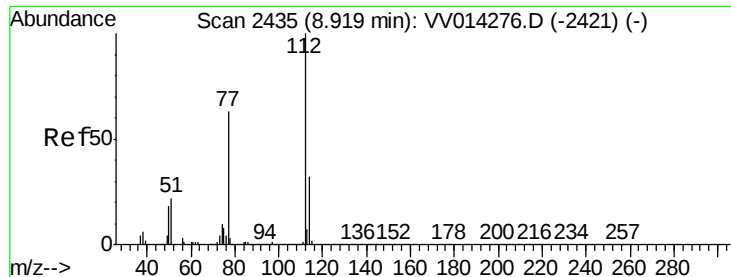


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 6.165 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VV014278.D

Acq: 13 Jan 2020 14:51

Instrument :

MSVOA_V

ClientSampleId :

GASD3

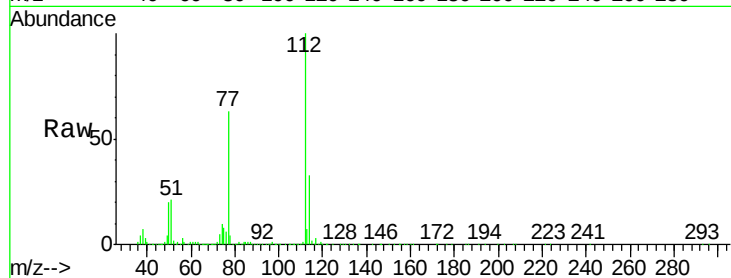
Tgt Ion: 112 Resp: 1108127

Ion Ratio Lower Upper

112 100

114 32.9 22.5 41.7

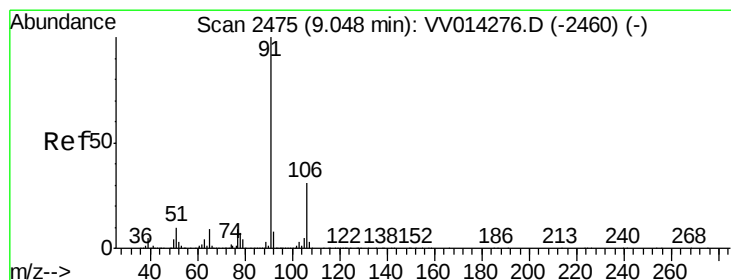
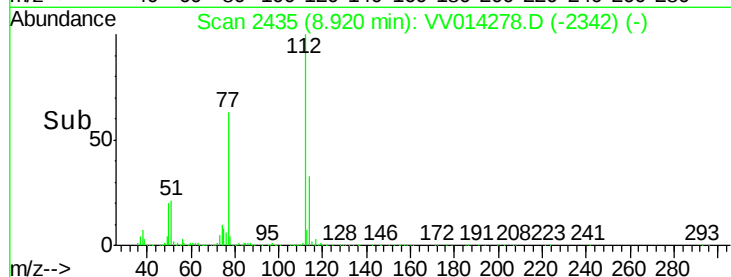
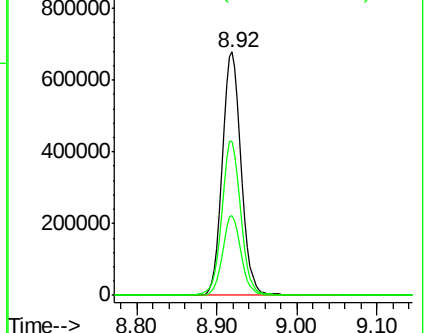
77 63.5 49.3 73.9



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



#52

Ethylbenzene

Concen: 0.080 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.01 min

Lab File: VV014278.D

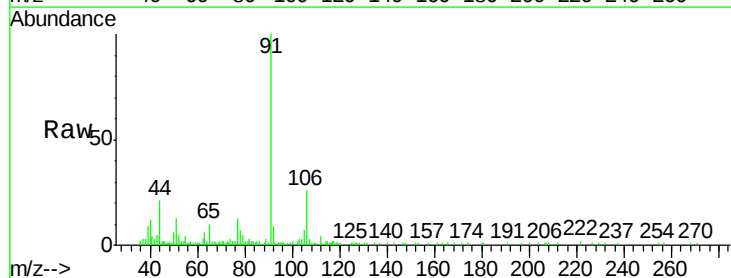
Acq: 13 Jan 2020 14:51

Tgt Ion: 91 Resp: 26060

Ion Ratio Lower Upper

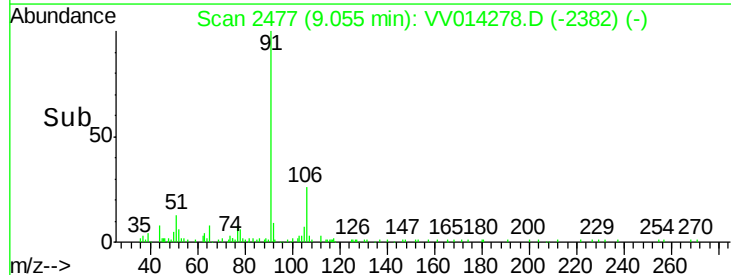
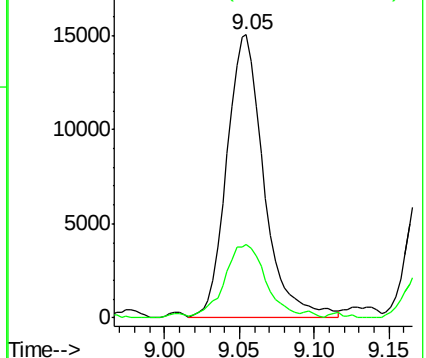
91 100

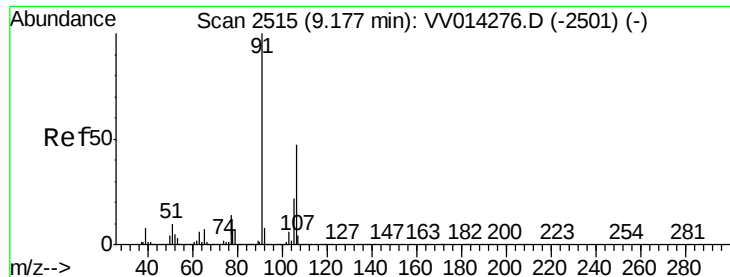
106 25.7 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 0.086 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV014278.D

Acq: 13 Jan 2020 14:51

Instrument :

MSVOA_V

ClientSampleId :

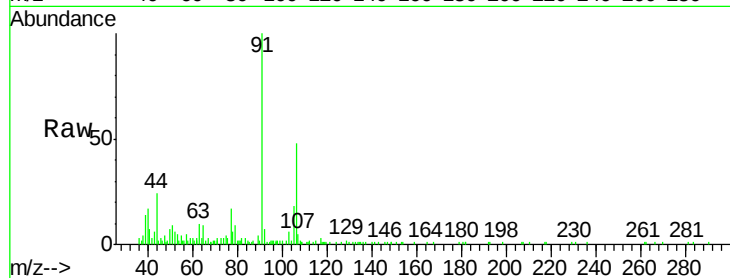
GASD3

Tgt Ion:106 Resp: 10316

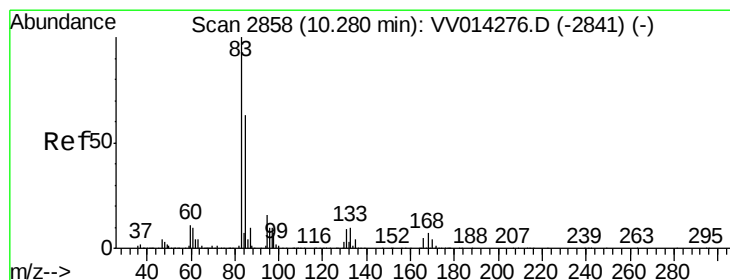
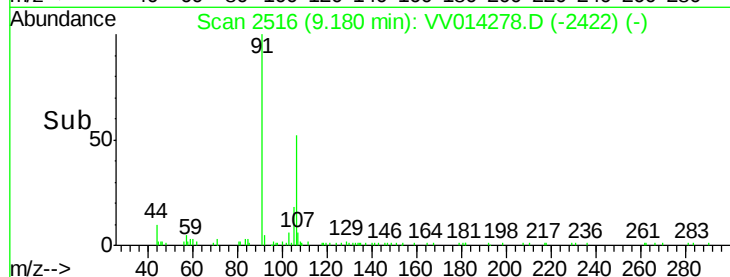
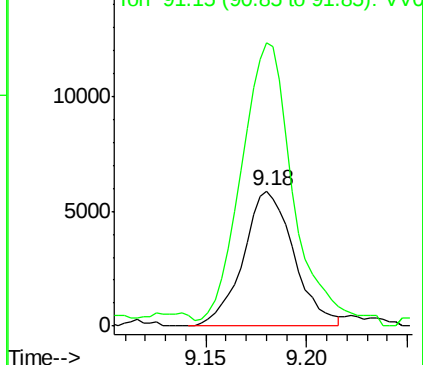
Ion Ratio Lower Upper

106 100

91 209.2 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): VV014278.D (-2422) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 1.646 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014278.D

Acq: 13 Jan 2020 14:51

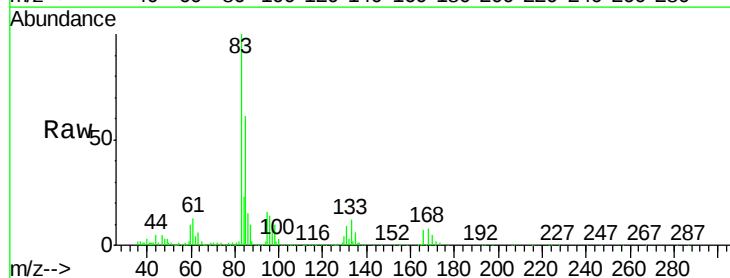
Tgt Ion: 83 Resp: 90594

Ion Ratio Lower Upper

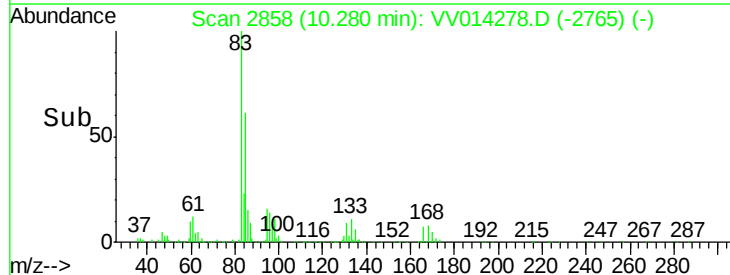
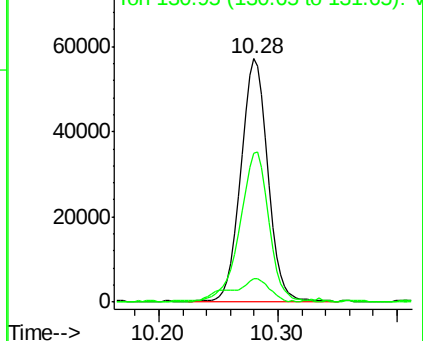
83 100

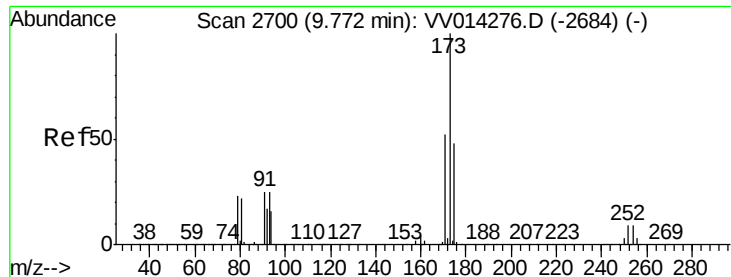
85 61.2 45.9 85.3

131 9.4 7.8 11.8



Abundance Ion 82.95 (82.65 to 83.65): VV014278.D (-2765) (-)





#61

Bromoform

Concen: 2.986 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014278.D

Acq: 13 Jan 2020 14:51

Instrument :

MSVOA_V

ClientSampleId :

GASD3

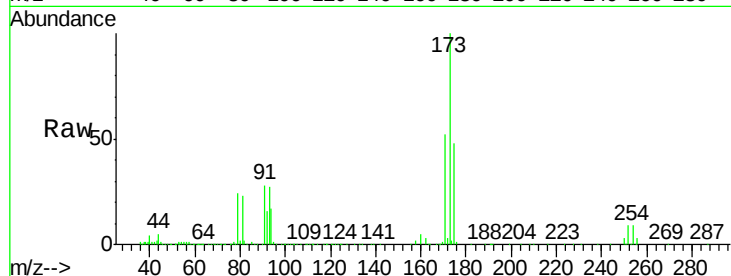
Tgt Ion:173 Resp: 83953

Ion Ratio Lower Upper

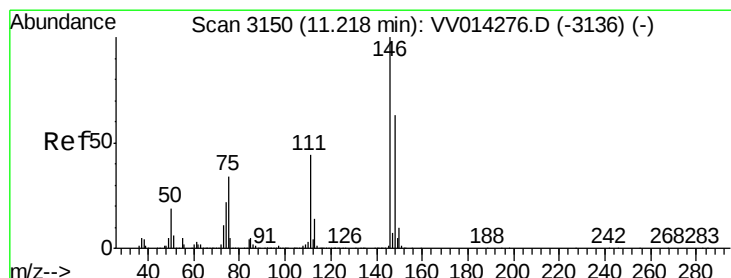
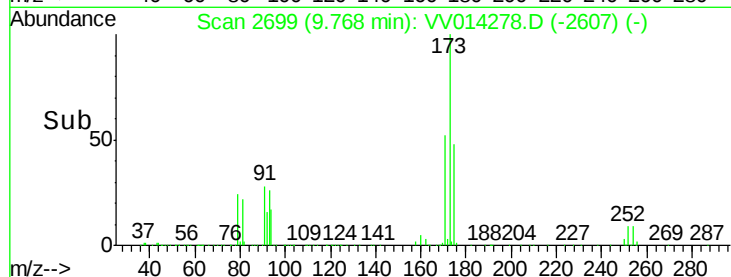
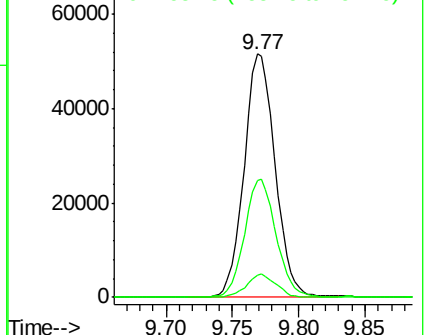
173 100

175 49.3 37.9 56.9

254 9.0 7.6 11.4



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



#62

1,3-Dichlorobenzene

Concen: 3.361 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV014278.D

Acq: 13 Jan 2020 14:51

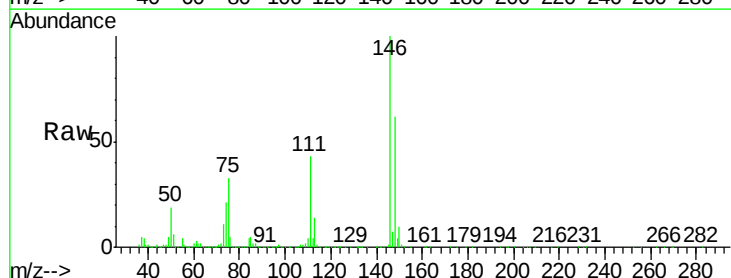
Tgt Ion:146 Resp: 435884

Ion Ratio Lower Upper

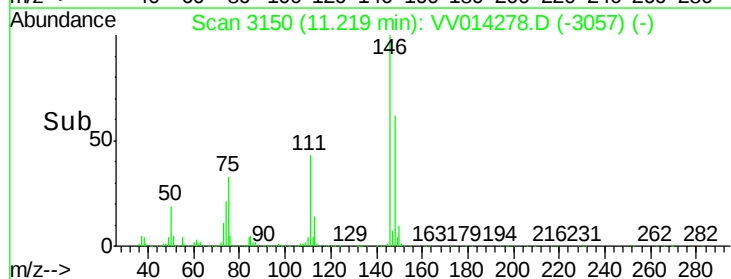
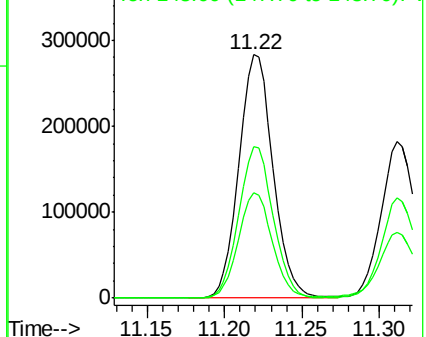
146 100

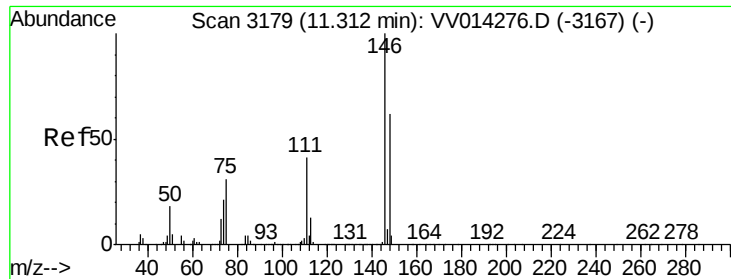
111 43.3 30.7 57.1

148 62.0 44.4 82.5



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

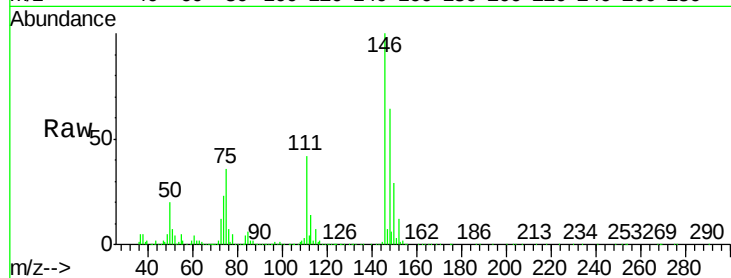




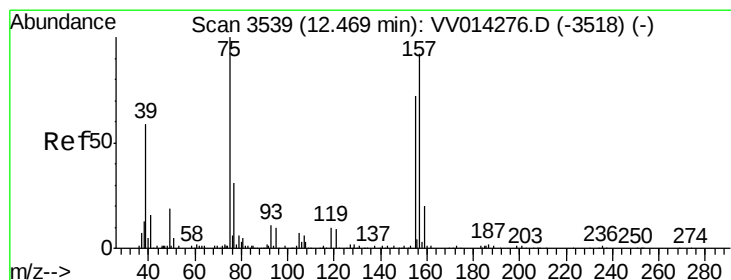
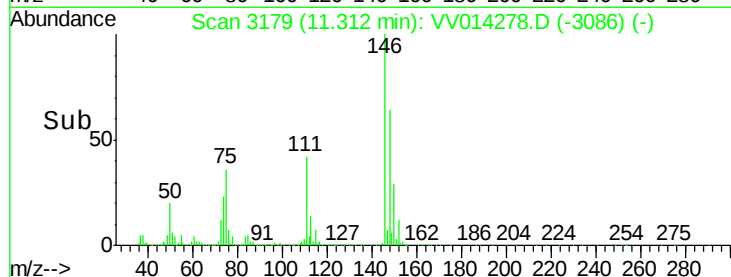
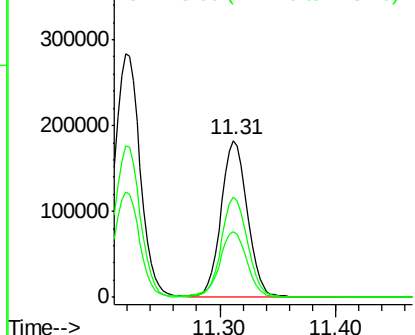
#63
 1,4-Dichlorobenzene
 Concen: 2.221 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014278.D
 Acq: 13 Jan 2020 14:51

Instrument :
 MSVOA_V
 ClientSampled :
 GASD3

Tgt Ion:146 Resp: 286479
 Ion Ratio Lower Upper
 146 100
 111 42.4 28.8 53.4
 148 63.7 44.5 82.7

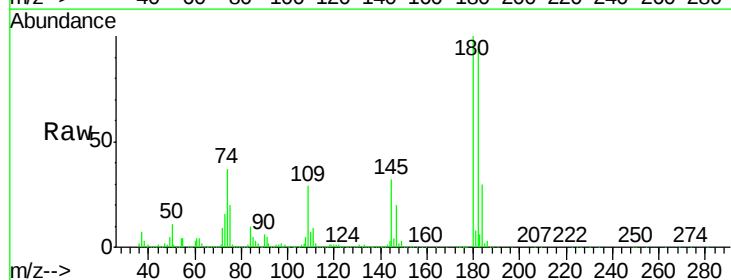


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

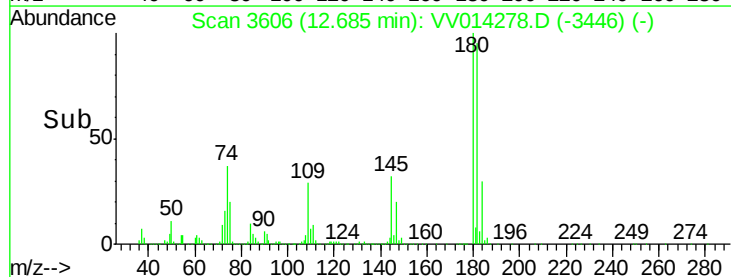
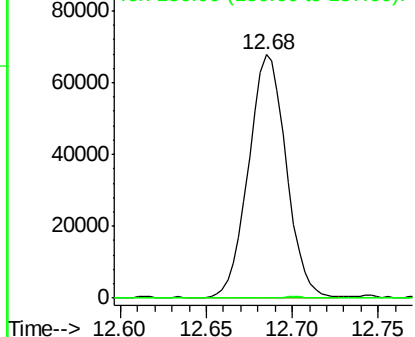


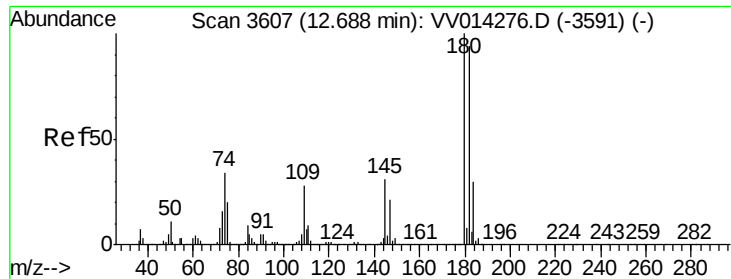
#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.565 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. 0.22 min
 Lab File: VV014278.D
 Acq: 13 Jan 2020 14:51

Tgt Ion: 75 Resp: 102974
 Ion Ratio Lower Upper
 75 100
 155 0.0 56.9 85.3#
 157 0.0 82.0 123.0#



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

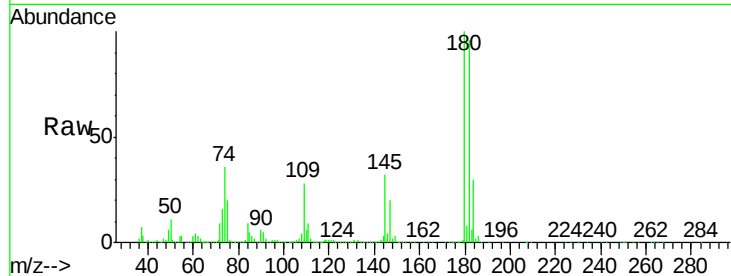




#67
 1,3,5-Trichlorobenzene
 Concen: 5.476 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014278.D
 Acq: 13 Jan 2020 14:51

Instrument :
 MSVOA_V
 ClientSampleId :
 GASD3

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.2	115.8
184	29.9	24.6	36.8
145	32.6	26.9	40.3



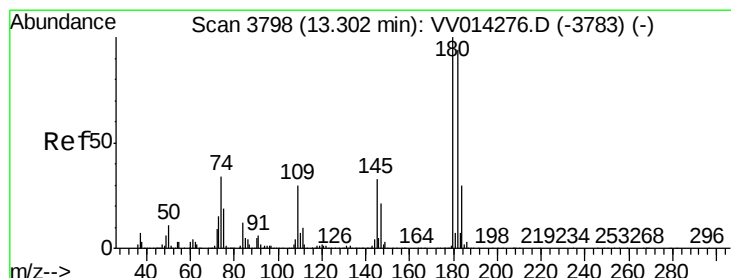
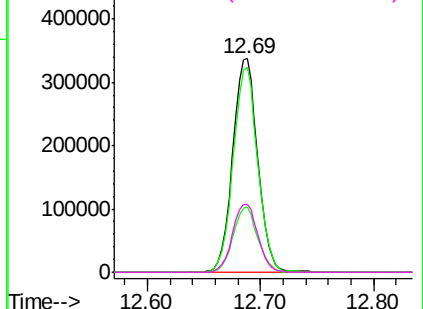
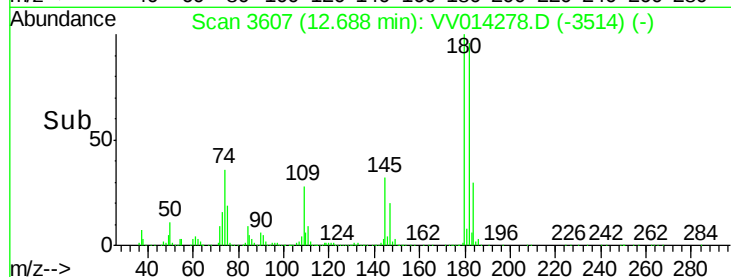
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

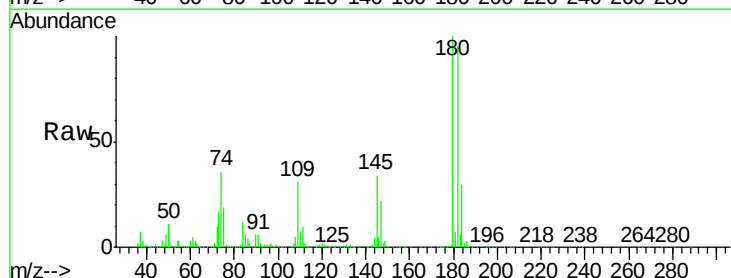
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.236 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014278.D
 Acq: 13 Jan 2020 14:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.2	112.8
145	33.1	26.2	39.4

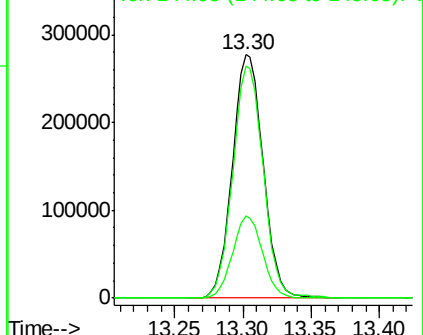
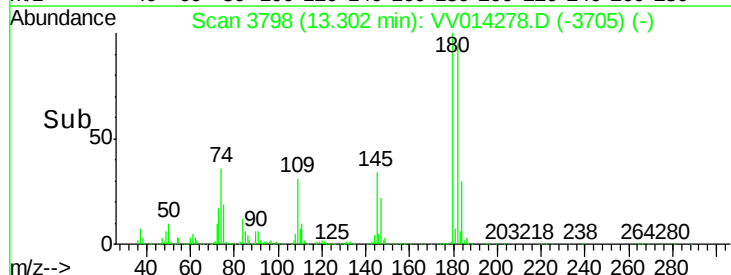


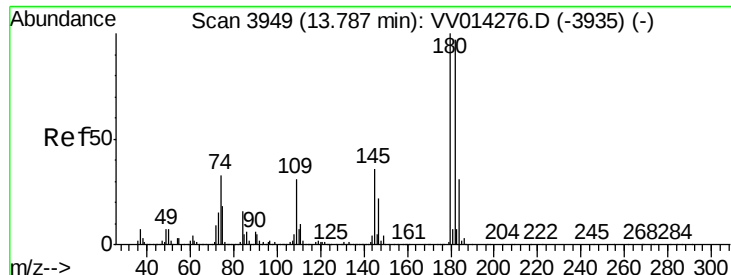
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#70

1,2,3-Trichlorobenzene

Concen: 3.168 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014278.D

Acq: 13 Jan 2020 14:51

Instrument :

MSVOA_V

ClientSampleId :

GASD3

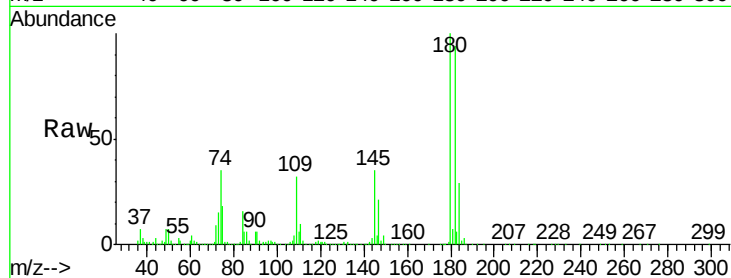
Tgt Ion:180 Resp: 230633

Ion Ratio Lower Upper

180 100

182 94.4 74.8 112.2

145 35.9 29.0 43.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

