

Data File : VV013678.D
Acq On : 19 Nov 2019 15:09
Operator : SY/MD
Sample : K5910-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQJ4

Quant Time: Nov 20 01:34:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 20 01:31:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	325377	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	320263	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	143353	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	103463	5.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.00%
7) Chloroethane-d5	1.58	69	101378	5.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.00%
11) 1,1-Dichloroethene-d2	2.13	63	145386	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.60%
20) 2-Butanone-d5	3.93	46	294265	63.31	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.62%
24) Chloroform-d	4.40	84	246050	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.80%
26) 1,2-Dichloroethane-d4	5.08	65	124145	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.20%
32) Benzene-d6	5.10	84	476260	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
36) 1,2-Dichloropropane-d6	6.11	67	150309	5.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.00%
41) Toluene-d8	7.36	98	395434	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.66	79	50292	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.13	63	198279	51.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.22%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	102494	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	161607	5.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.20%

Target Compounds

					Qvalue	
5) Vinyl chloride	1.32	62	6574	0.240	ug/L #	69
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1518	0.076	ug/L #	25
12) 1,1-Dichloroethene	2.14	96	4470	0.230	ug/L #	1
13) Acetone	2.18	43	7059	2.407	ug/L #	19
18) trans-1,2-Dichloroethene	2.79	96	2696	0.112	ug/L	85
22) cis-1,2-Dichloroethene	3.96	96	95772	3.849	ug/L #	99
34) Trichloroethene	5.96	95	172227	6.638	ug/L	99
35) Methylcyclohexane	6.11	83	36508	0.922	ug/L #	19
37) 1,2-Dichloropropane	6.11	63	16268	0.701	ug/L #	89
39) cis-1,3-Dichloropropene	7.03	75	3903	0.117	ug/L #	47
44) trans-1,3-Dichloropropene	7.66	75	2342	0.089	ug/L	86
47) Tetrachloroethene	8.02	164	8482	0.353	ug/L	95
48) 2-Hexanone	8.18	43	13529	1.413	ug/L #	40
49) Dibromochloromethane	8.02	129	7387	0.348	ug/L #	10
63) 1,4-Dichlorobenzene	11.31	146	3337	0.068	ug/L	81

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111919\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 20 01:31:47 2019
Response via : Initial Calibration

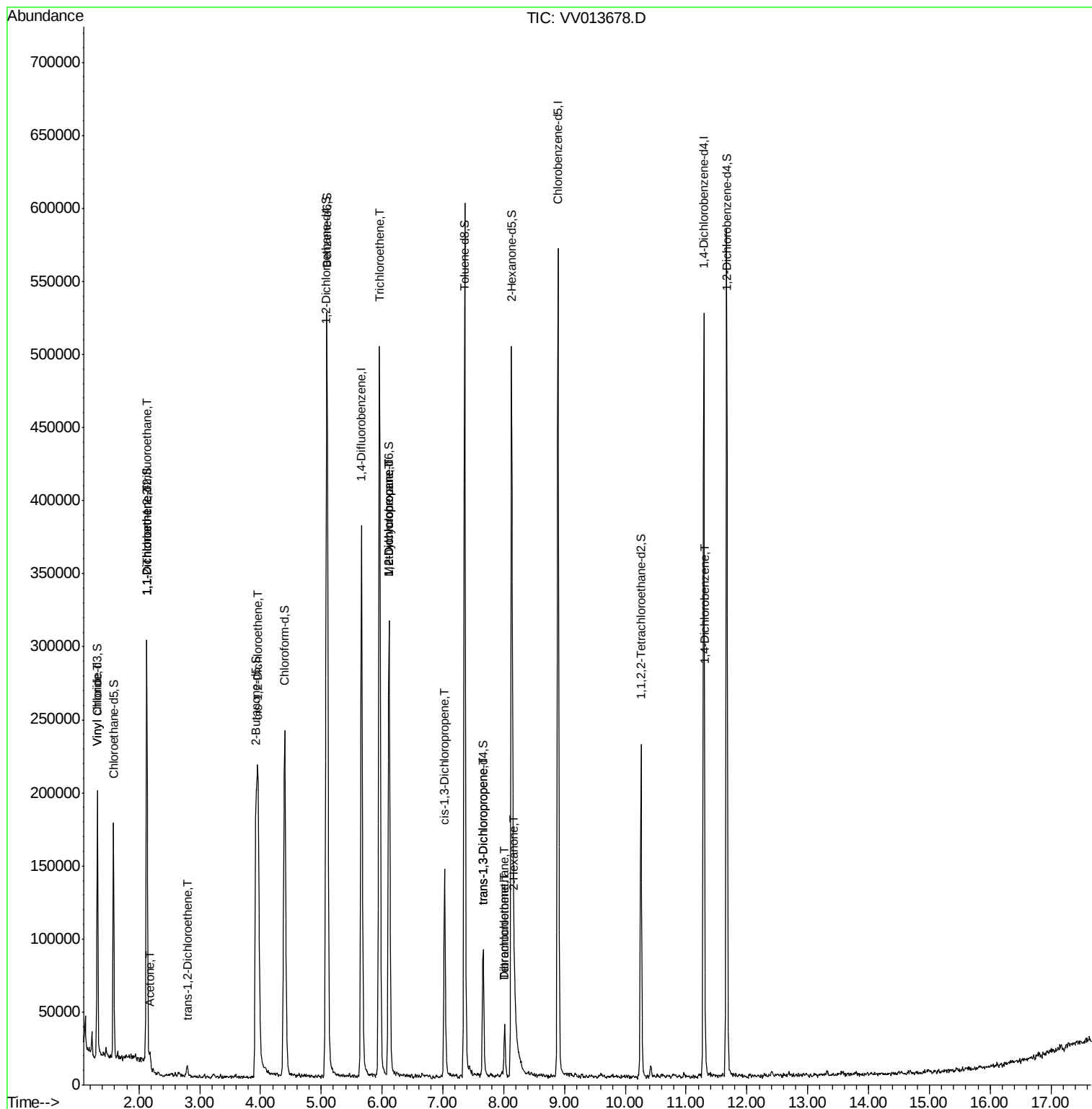
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

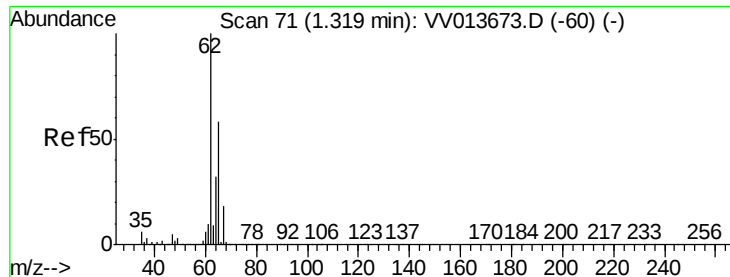
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.240 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013678.D

Acq: 19 Nov 2019 15:09

Instrument :

MSVOA_V

ClientSampleId :

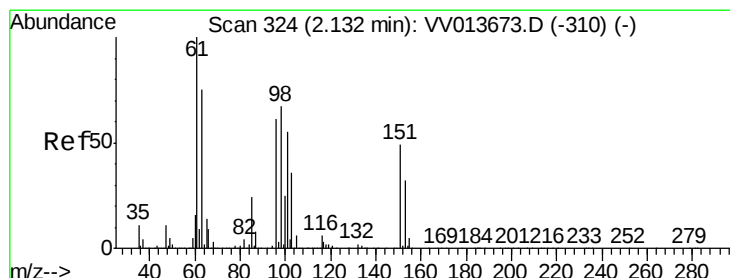
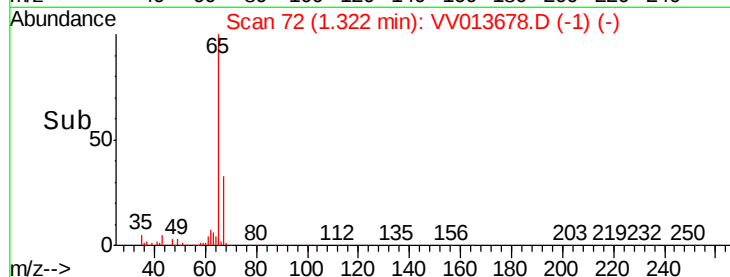
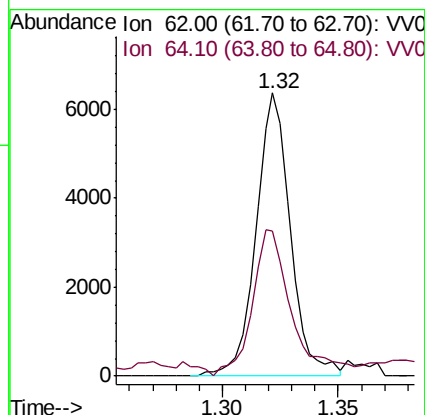
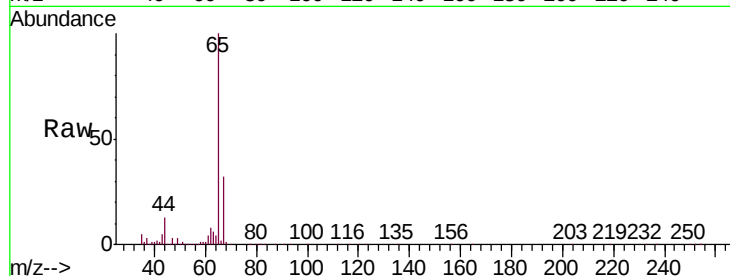
GAQJ4

Tgt Ion: 62 Resp: 6574

Ion Ratio Lower Upper

62 100

64 51.4 23.4 43.6#



#10

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

Concen: 0.076 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV013678.D

Acq: 19 Nov 2019 15:09

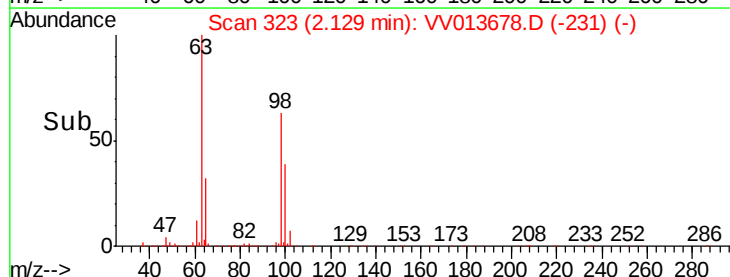
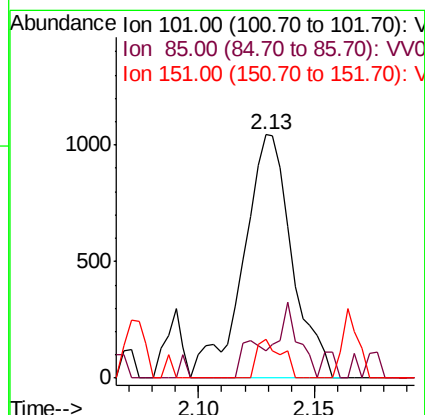
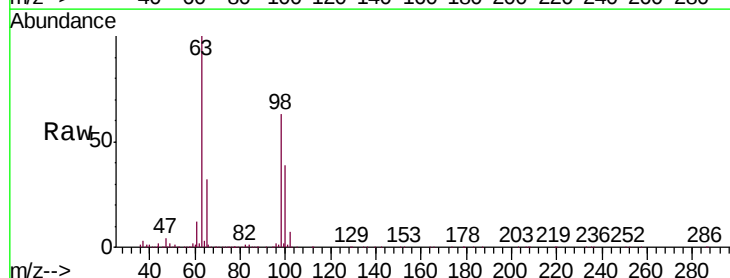
Tgt Ion: 101 Resp: 1518

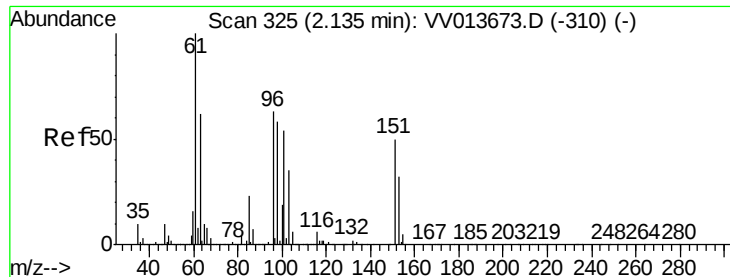
Ion Ratio Lower Upper

101 100

85 7.2 32.0 48.0#

151 8.2 69.0 103.6#

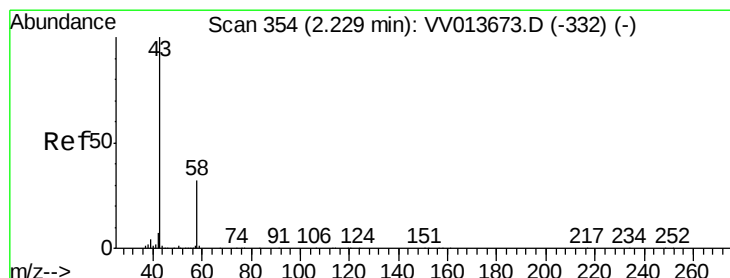
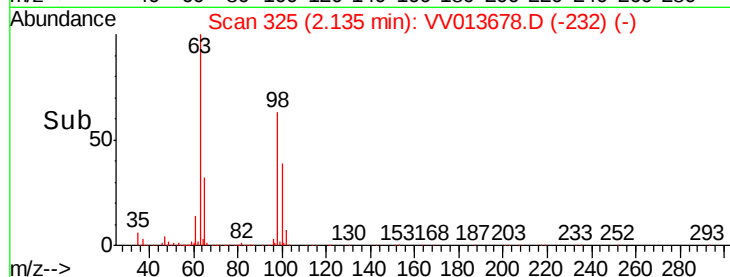
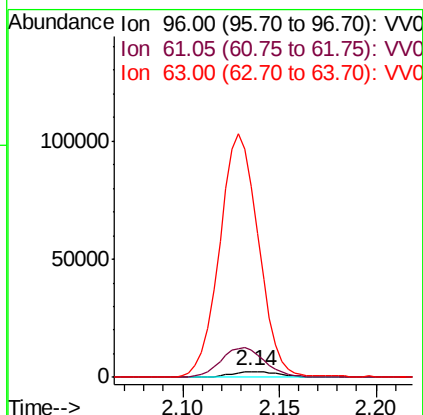
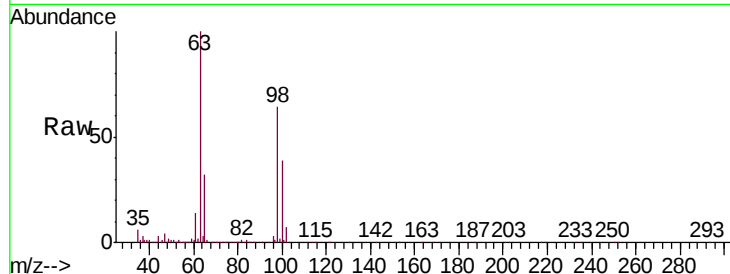




#12
 1,1-Dichloroethene
 Concen: 0.230 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VV013678.D
 Acq: 19 Nov 2019 15:09

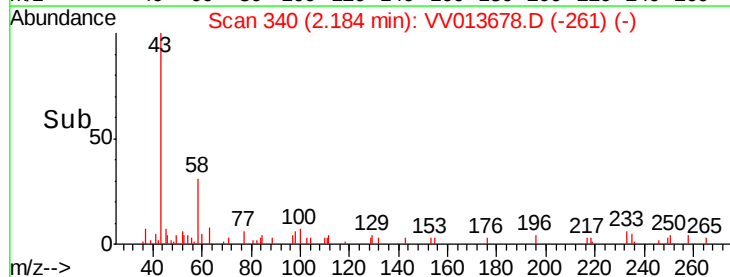
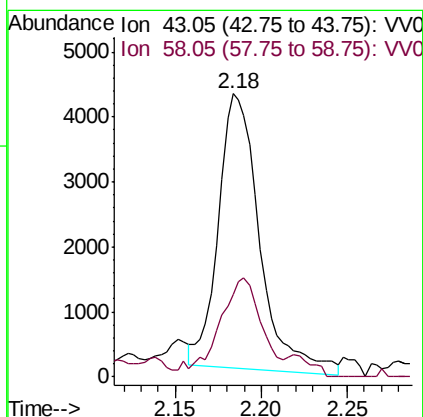
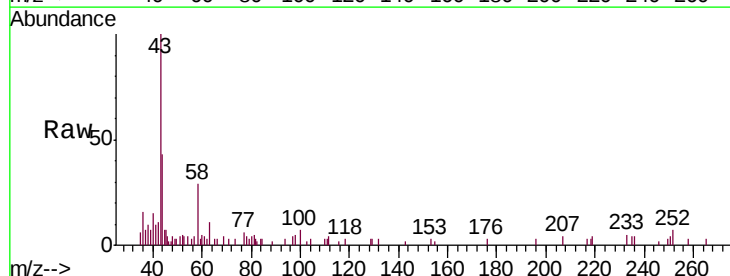
Instrument :
 MSVOA_V
 ClientSampleId :
 GAQJ4

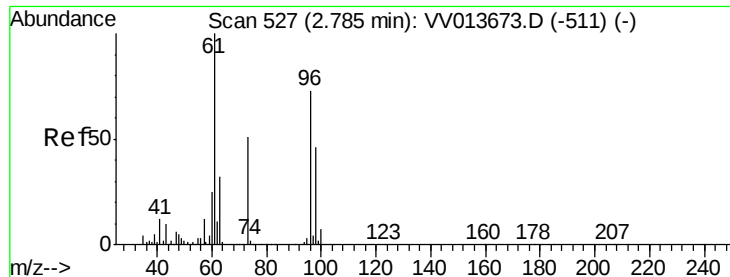
Tgt Ion: 96 Resp: 4470
 Ion Ratio Lower Upper
 96 100
 61 466.6 112.5 208.9#
 63 3271.1 76.9 142.7#



#13
 Acetone
 Concen: 2.407 ug/L
 RT: 2.18 min Scan# 340
 Delta R.T. -0.05 min
 Lab File: VV013678.D
 Acq: 19 Nov 2019 15:09

Tgt Ion: 43 Resp: 7059
 Ion Ratio Lower Upper
 43 100
 58 37.6 0.0 17.0#

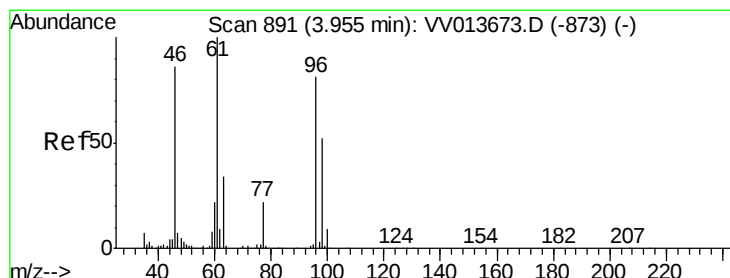
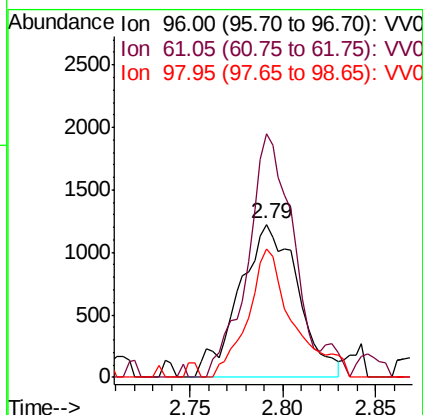
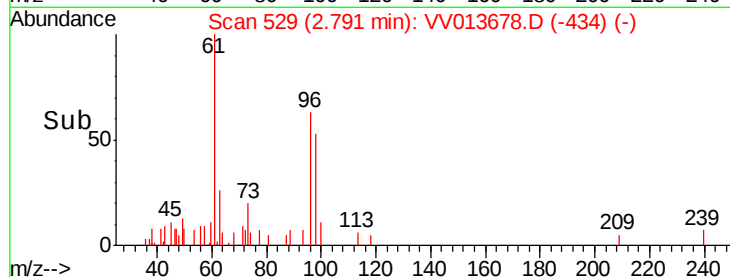
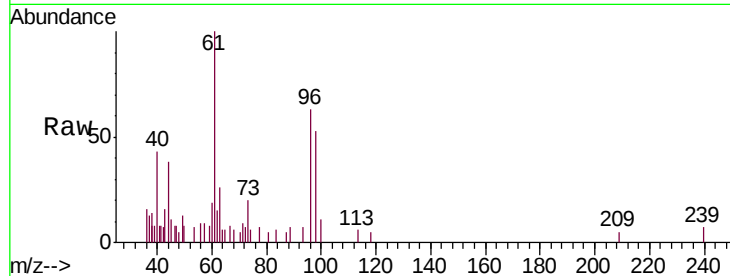




#18
trans-1,2-Dichloroethene
Concen: 0.112 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.01 min
Lab File: VV013678.D
Acq: 19 Nov 2019 15:09

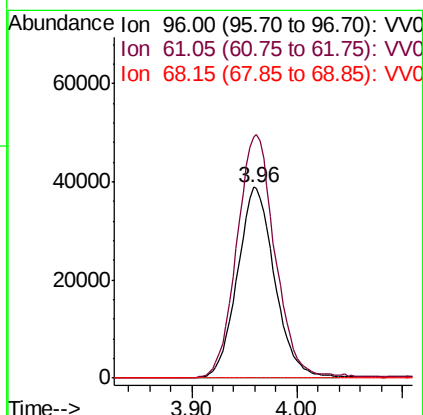
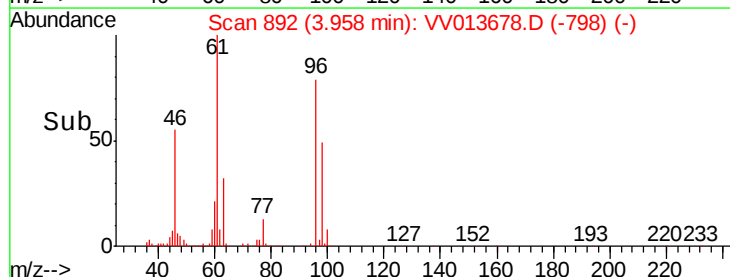
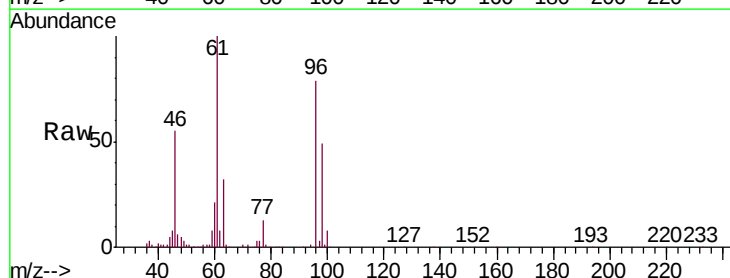
Instrument :
MSVOA_V
ClientSampleId :
GAQJ4

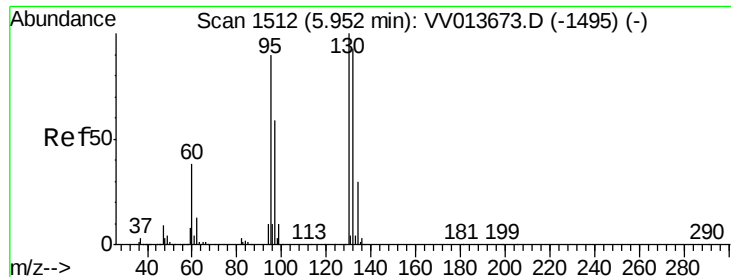
Tgt Ion: 96 Resp: 2696
Ion Ratio Lower Upper
96 100
61 159.2 101.0 187.6
98 84.2 47.0 87.2



#22
cis-1,2-Dichloroethene
Concen: 3.849 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV013678.D
Acq: 19 Nov 2019 15:09

Tgt Ion: 96 Resp: 95772
Ion Ratio Lower Upper
96 100
61 126.5 87.7 162.9
68 0.0 0.1 0.3#





#34

Trichloroethene

Concen: 6.638 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013678.D

Acq: 19 Nov 2019 15:09

Instrument :

MSVOA_V

ClientSampled :

GAQJ4

Tgt Ion: 95 Resp: 172227

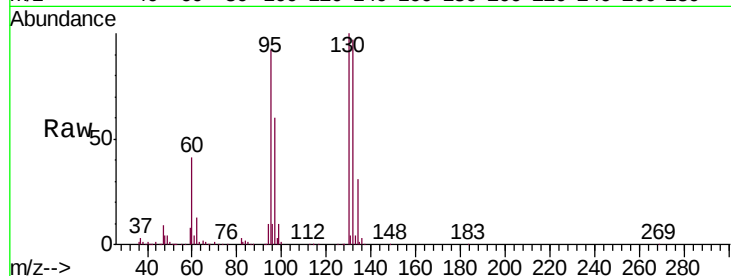
Ion Ratio Lower Upper

95 100

97 64.4 44.8 83.2

132 104.8 72.9 135.3

130 108.1 75.1 139.5



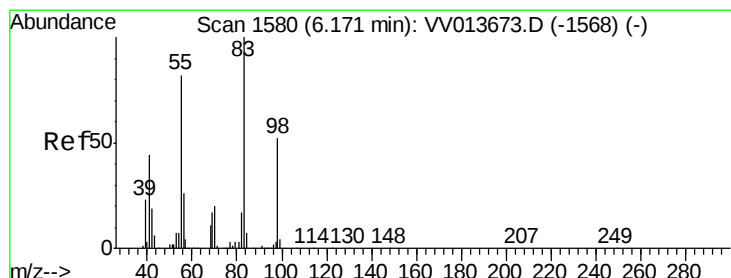
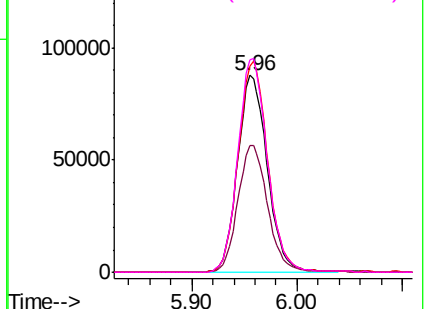
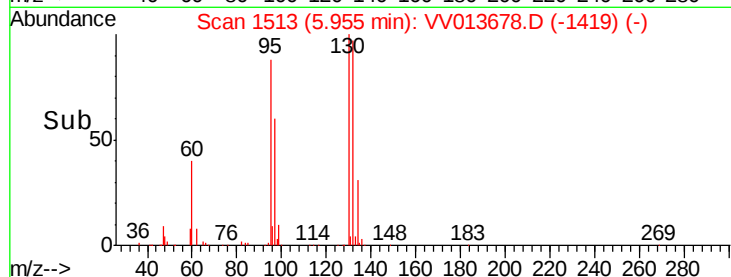
Abundance

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: 0.922 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV013678.D

Acq: 19 Nov 2019 15:09

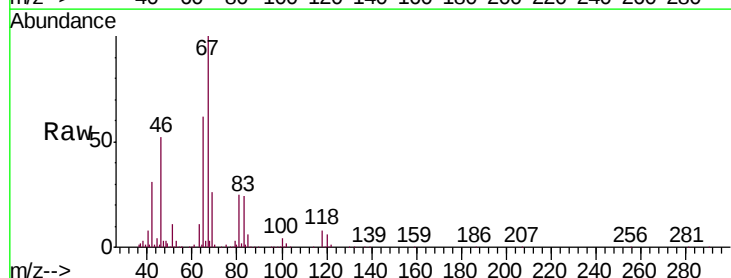
Tgt Ion: 83 Resp: 36508

Ion Ratio Lower Upper

83 100

55 1.5 64.1 96.1#

98 1.9 38.2 57.2#

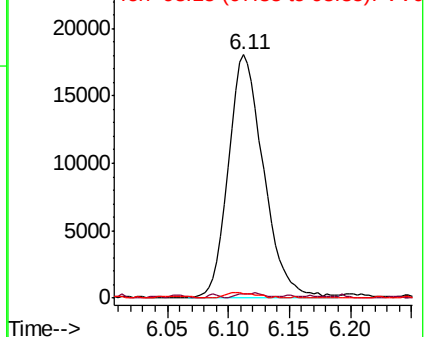
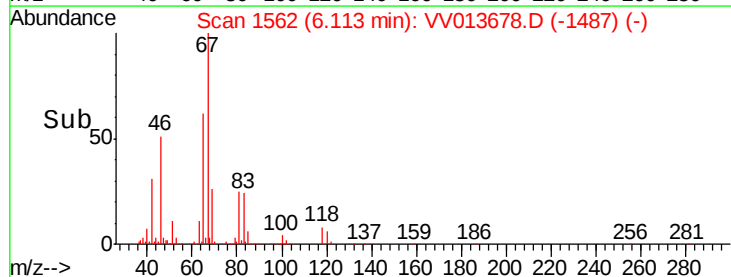


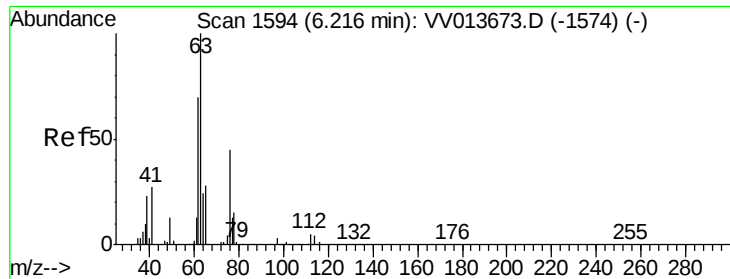
Abundance

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

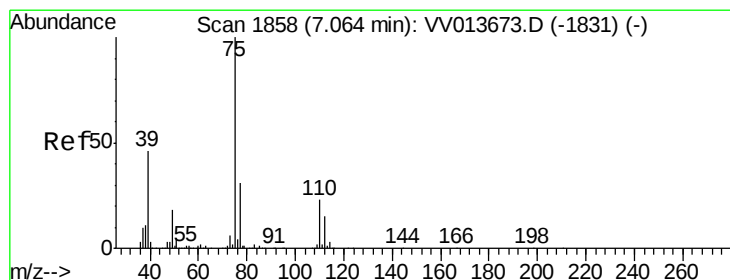
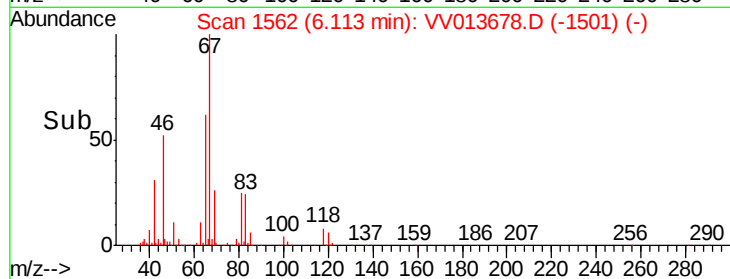
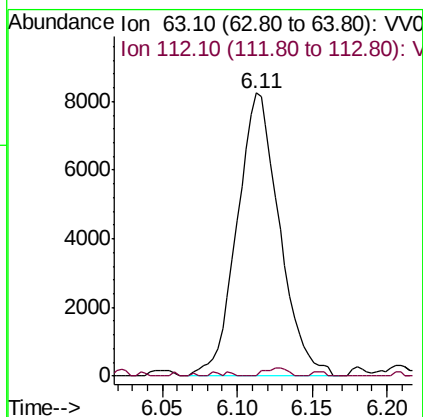
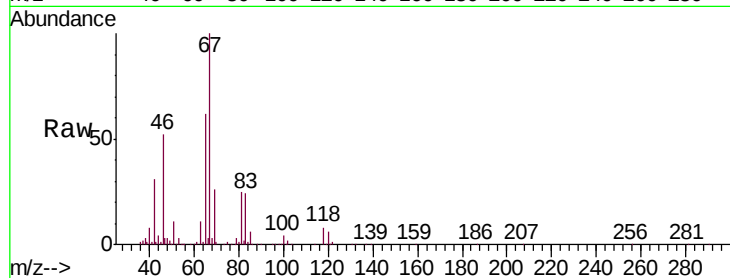




#37
 1,2-Dichloropropane
 Concen: 0.701 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.10 min
 Lab File: VV013678.D
 Acq: 19 Nov 2019 15:09

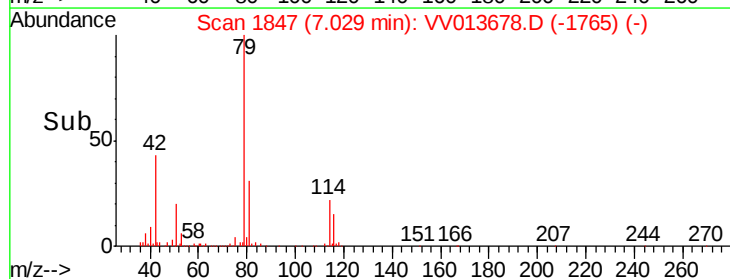
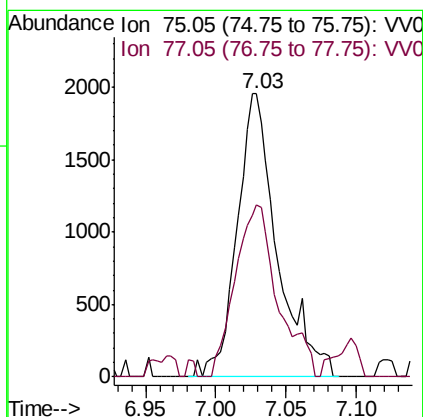
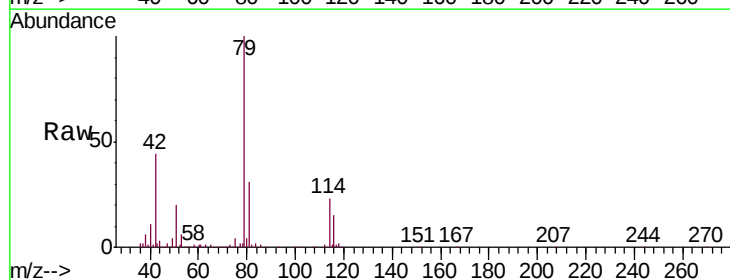
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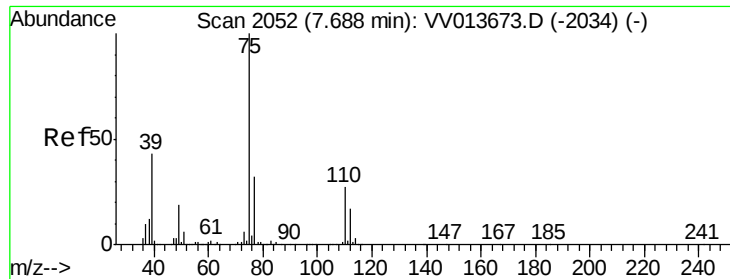
Tgt Ion: 63 Resp: 16268
 Ion Ratio Lower Upper
 63 100
 112 1.5 4.1 6.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.117 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV013678.D
 Acq: 19 Nov 2019 15:09

Tgt Ion: 75 Resp: 3903
 Ion Ratio Lower Upper
 75 100
 77 60.9 22.0 40.8#





#44

trans-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013678.D

Acq: 19 Nov 2019 15:09

Instrument :

MSVOA_V

ClientSampleId :

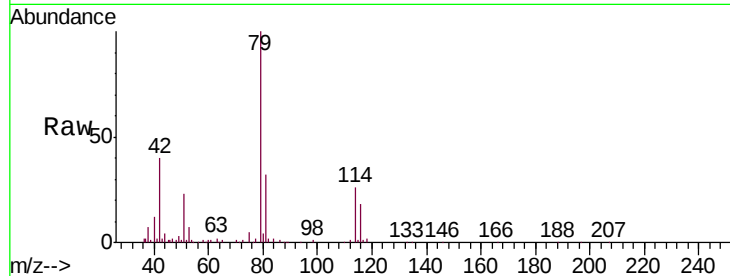
GAQJ4

Tgt Ion: 75 Resp: 2342

Ion Ratio Lower Upper

75 100

77 38.7 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV013673.D (-2034) (-)

Ion 77.05 (76.75 to 77.75): VV013673.D (-2034) (-)

7.66

1500

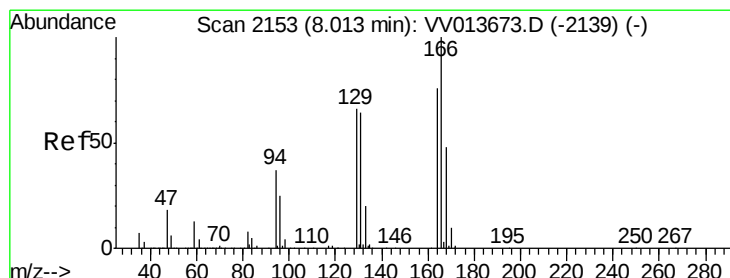
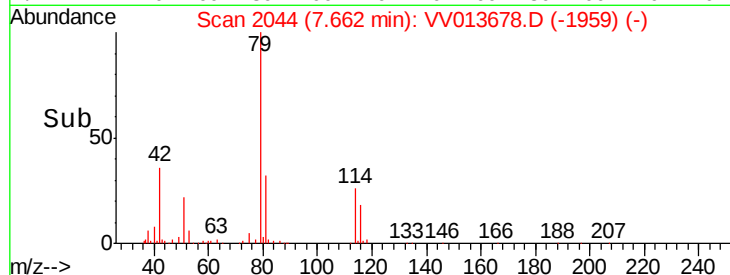
1000

500

0

7.62 7.64 7.66 7.68 7.70

Time-->



#47

Tetrachloroethene

Concen: 0.353 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013678.D

Acq: 19 Nov 2019 15:09

Tgt Ion: 164 Resp: 8482

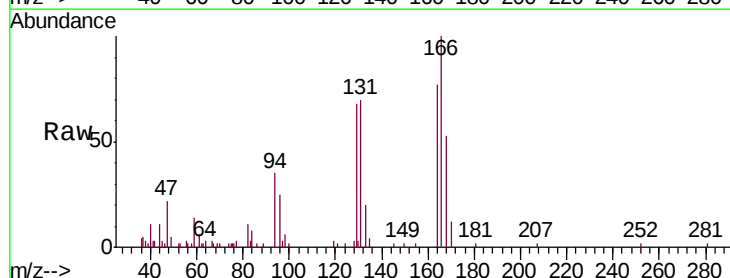
Ion Ratio Lower Upper

164 100

129 88.7 59.1 109.9

131 91.3 58.9 109.5

166 130.3 87.8 163.2



Abundance Ion 163.90 (163.60 to 164.60): VV013673.D (-2139) (-)

Ion 128.95 (128.65 to 129.65): VV013673.D (-2139) (-)

Ion 130.95 (130.65 to 131.65): VV013673.D (-2139) (-)

Ion 165.90 (165.60 to 166.60): VV013673.D (-2139) (-)

8.02

10000

8000

6000

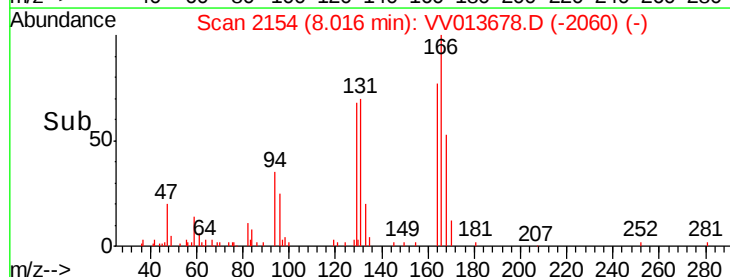
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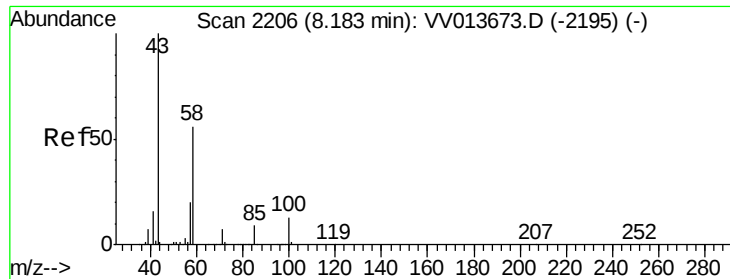
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0

7.95 8.00 8.05 8.10

Time-->

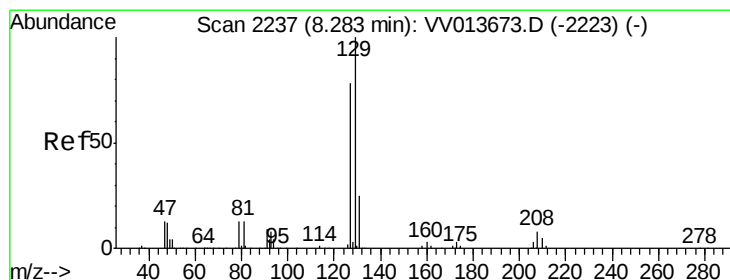
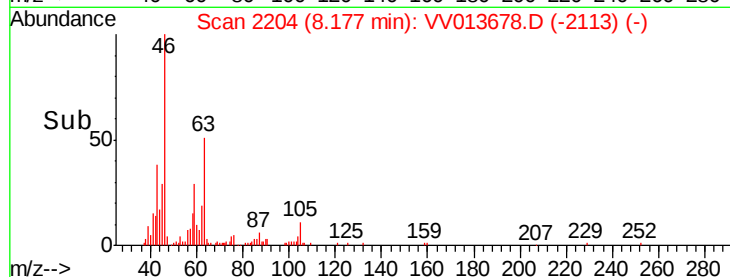
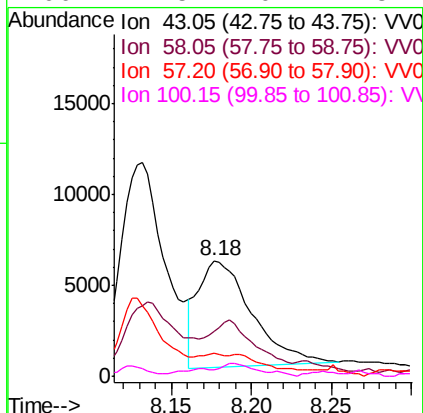
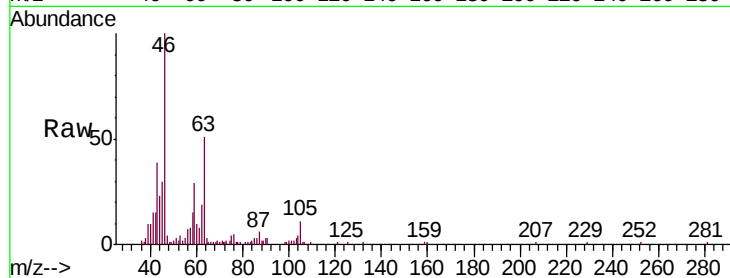




#48
2-Hexanone
Concen: 1.413 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.01 min
Lab File: VV013678.D
Acq: 19 Nov 2019 15:09

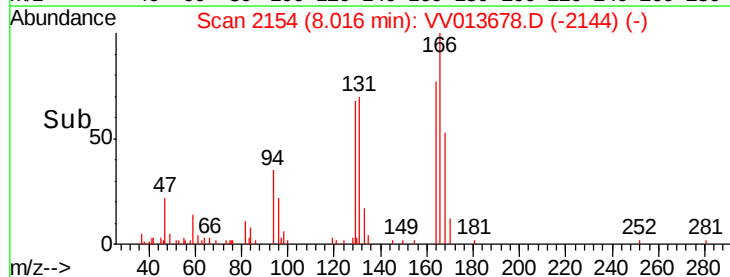
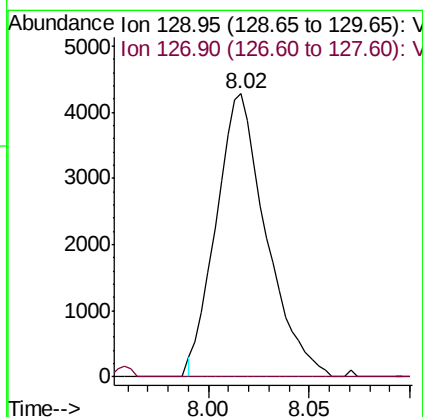
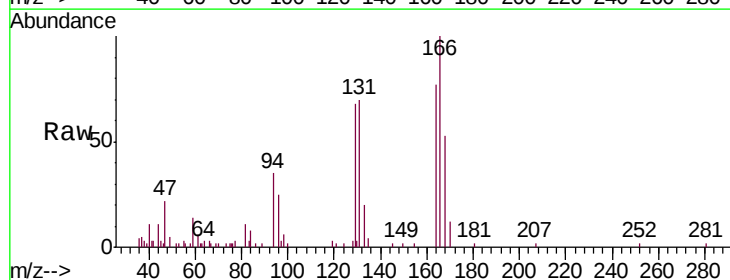
Instrument :
MSVOA_V
ClientSampleId :
GAQJ4

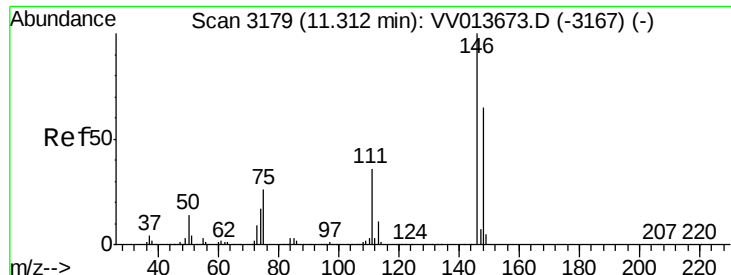
Tgt Ion:	43	Resp:	13529
Ion	Ratio	Lower	Upper
43	100		
58	0.0	43.0	64.6#
57	0.0	15.4	23.2#
100	4.5	10.1	15.1#



#49
Dibromochloromethane
Concen: 0.348 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013678.D
Acq: 19 Nov 2019 15:09

Tgt Ion:	129	Resp:	7387
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.5	101.3#

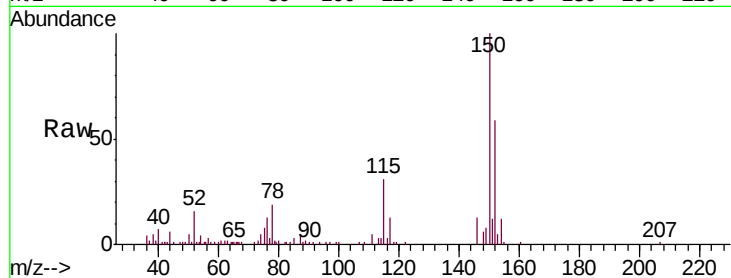




#63
 1,4-Dichlorobenzene
 Concen: 0.068 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV013678.D
 Acq: 19 Nov 2019 15:09

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQJ4

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	25.6	47.6
148	46.3	45.6	84.8



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

