

Data File : VV013206.D
Acq On : 18 Oct 2019 16:47
Operator : SY/MD
Sample : K5321-05
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0AB3

Quant Time: Oct 19 04:26:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 19 04:23:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	492850	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	519370	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	262413	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	232078	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.58	69	192399	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.13	63	290219	3.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.00%
20) 2-Butanone-d5	3.98	46	471096	45.47	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.94%
24) Chloroform-d	4.40	84	452805	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.08	65	217385	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.10	84	929376	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.12	67	284009	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.36	98	783177	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	7.66	79	97522	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
46) 2-Hexanone-d5	8.13	63	386322	45.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.18%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	199753	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	319122	5.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.80%

Target Compounds

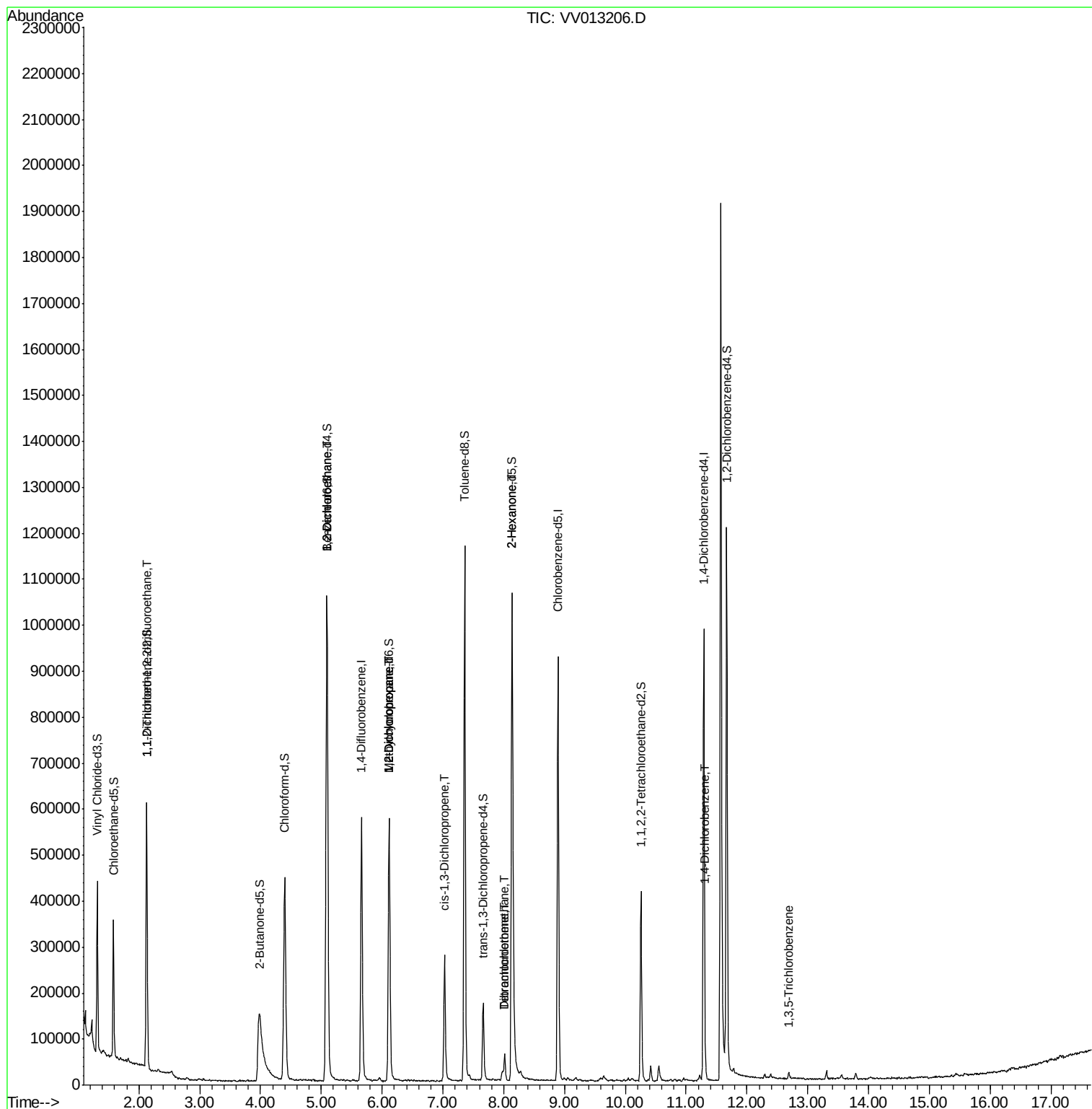
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3460	0.083 ug/L #	19
27) 1,2-Dichloroethane	5.09	62	5708	0.105 ug/L	98
35) Methylcyclohexane	6.12	83	66990	0.805 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	31539	0.611 ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	7256	0.105 ug/L #	1
47) Tetrachloroethene	8.02	164	12941	0.273 ug/L	97
48) 2-Hexanone	8.13	43	58681	2.912 ug/L #	81
49) Dibromochloromethane	8.02	129	12277	0.290 ug/L #	11
63) 1,4-Dichlorobenzene	11.31	146	5725	0.061 ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	4215	0.061 ug/L	88

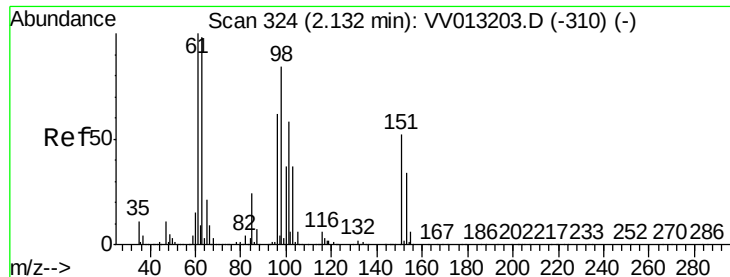
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.083 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013206.D

Acq: 18 Oct 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

E0AB3

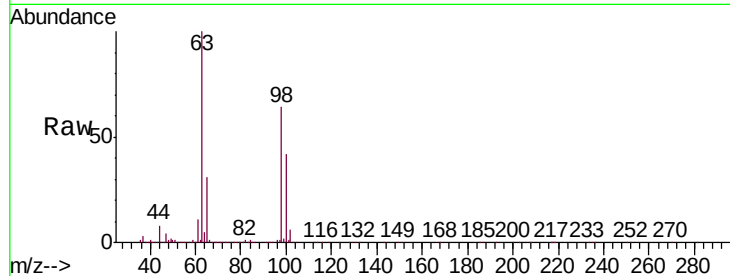
Tgt Ion:101 Resp: 3460

Ion Ratio Lower Upper

101 100

85 3.9 32.4 48.6#

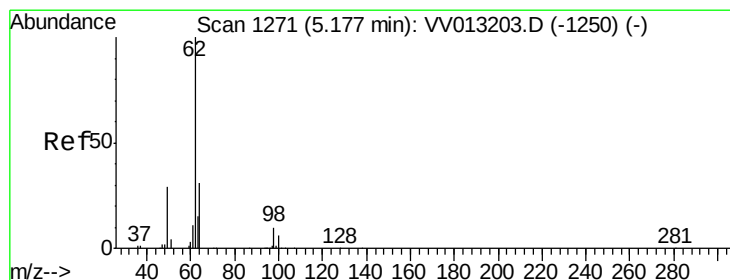
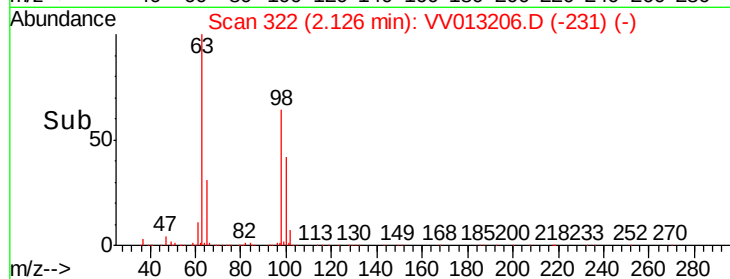
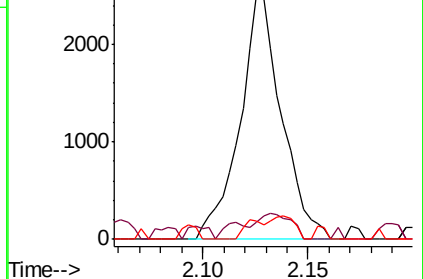
151 3.8 71.9 107.9#



Abundance Ion 101.00 (100.70 to 101.70): VV013203.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV013206.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV013206.D (-231) (-)



#27

1,2-Dichloroethane

Concen: 0.105 ug/L

RT: 5.09 min Scan# 1245

Delta R.T. -0.08 min

Lab File: VV013206.D

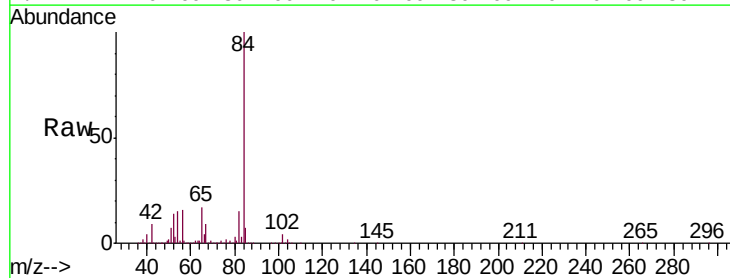
Acq: 18 Oct 2019 16:47

Tgt Ion: 62 Resp: 5708

Ion Ratio Lower Upper

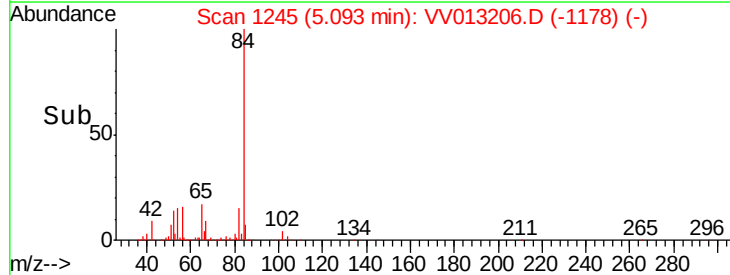
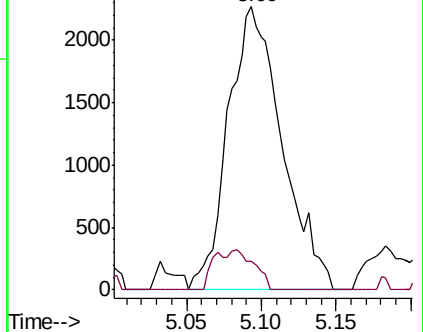
62 100

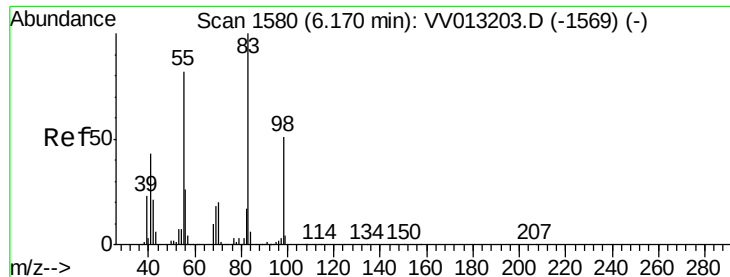
98 10.1 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV013203.D (-1250) (-)

Ion 98.05 (97.75 to 98.75): VV013206.D (-1178) (-)

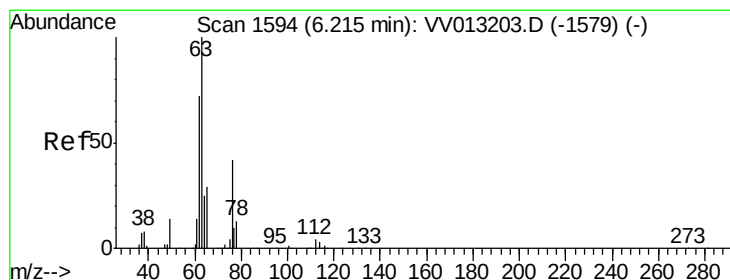
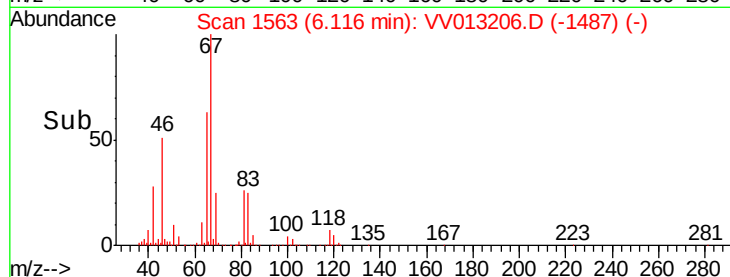
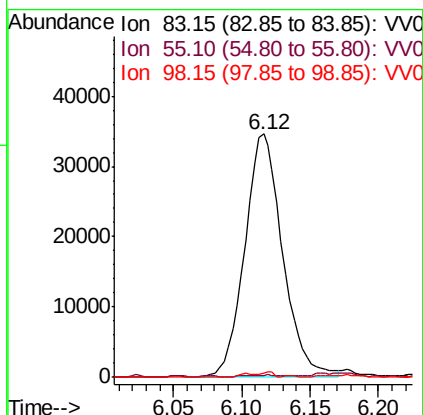
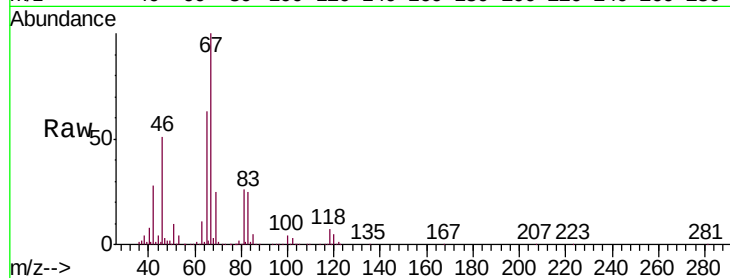




#35
Methylcyclohexane
Concen: 0.805 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV013206.D
Acq: 18 Oct 2019 16:47

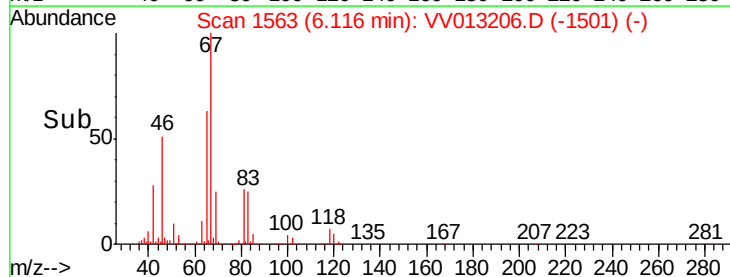
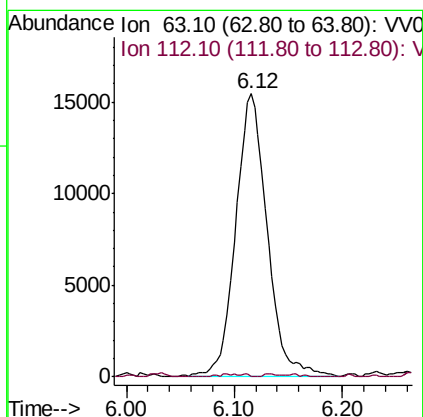
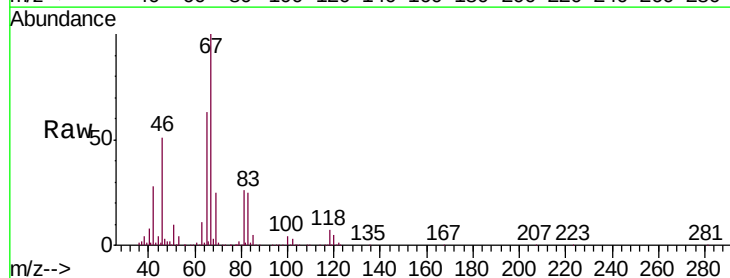
Instrument :
MSVOA_V
ClientSampleId :
E0AB3

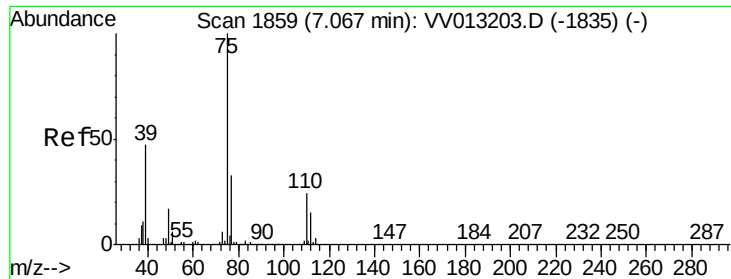
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.4	64.0	96.0#
98	0.7	38.6	57.8#



#37
1,2-Dichloropropane
Concen: 0.611 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV013206.D
Acq: 18 Oct 2019 16:47

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.7	3.8	5.8#





#39

cis-1,3-Dichloropropene

Concen: 0.105 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV013206.D

Acq: 18 Oct 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

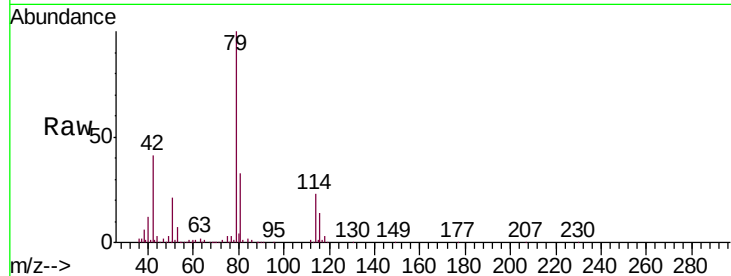
E0AB3

Tgt Ion: 75 Resp: 7256

Ion Ratio Lower Upper

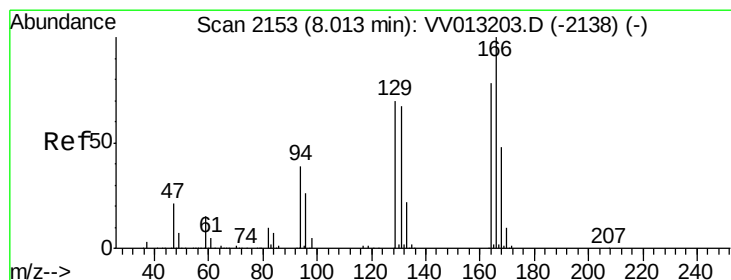
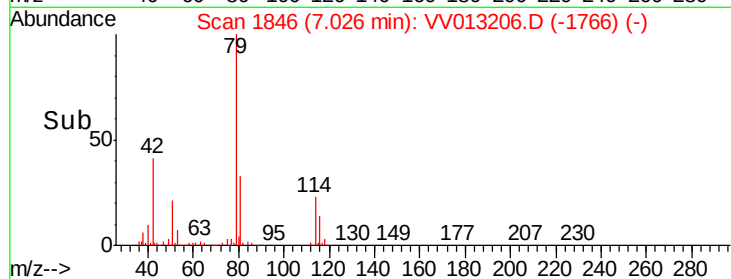
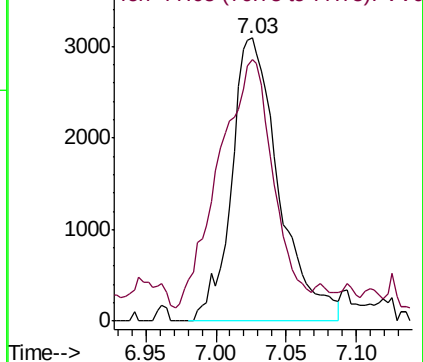
75 100

77 92.5 22.6 42.0#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

Tetrachloroethene

Concen: 0.273 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013206.D

Acq: 18 Oct 2019 16:47

Tgt Ion:164 Resp: 12941

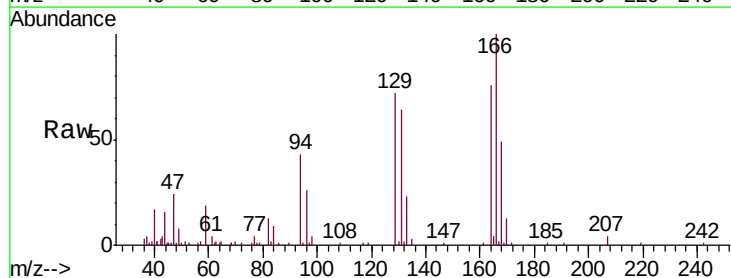
Ion Ratio Lower Upper

164 100

129 95.0 62.2 115.4

131 84.7 59.9 111.3

166 131.6 91.1 169.1

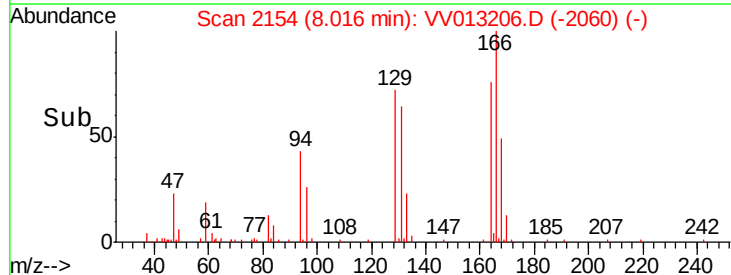
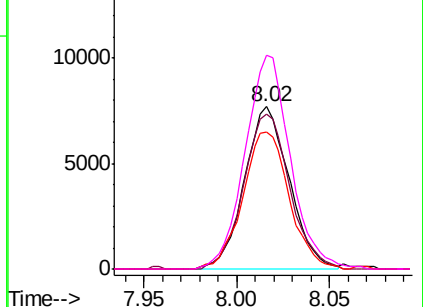


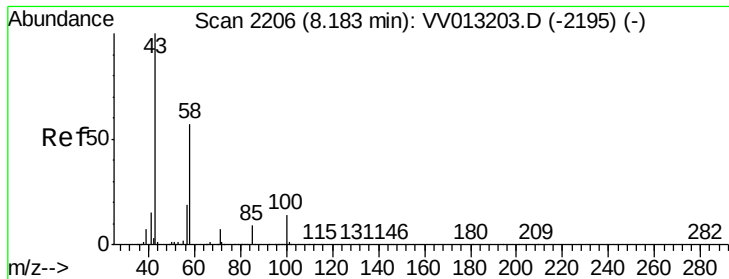
Abundance Ion 163.90 (163.60 to 164.60): V

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

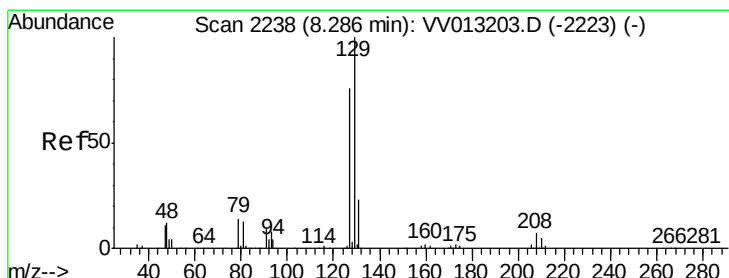
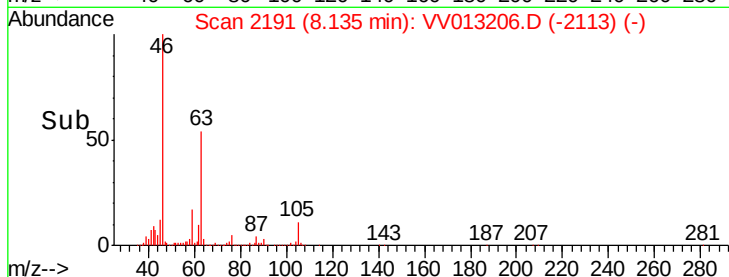
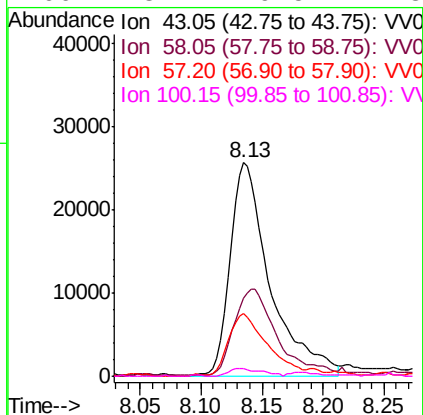
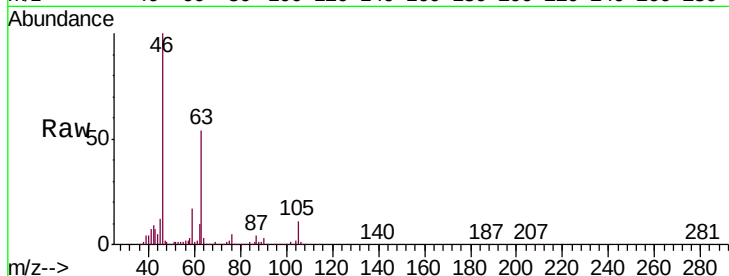




#48
2-Hexanone
Concen: 2.912 ug/L
RT: 8.13 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV013206.D
Acq: 18 Oct 2019 16:47

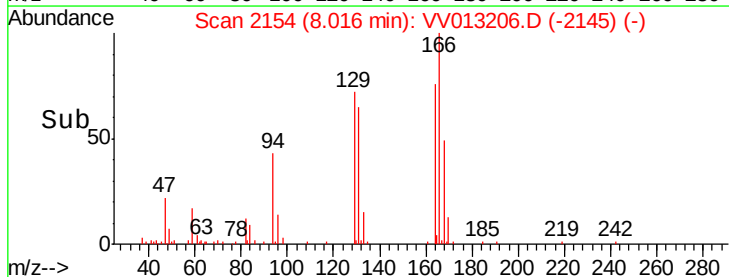
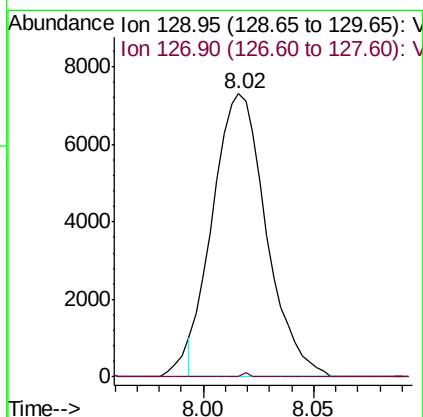
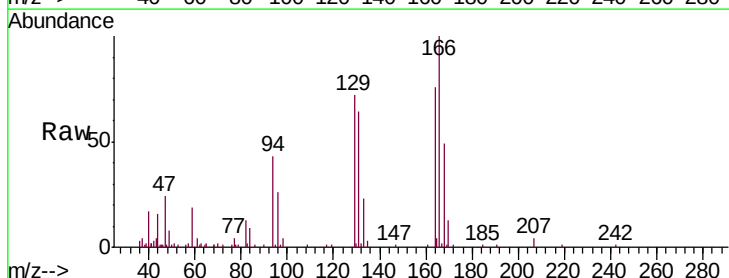
Instrument :
MSVOA_V
ClientSampleId :
E0AB3

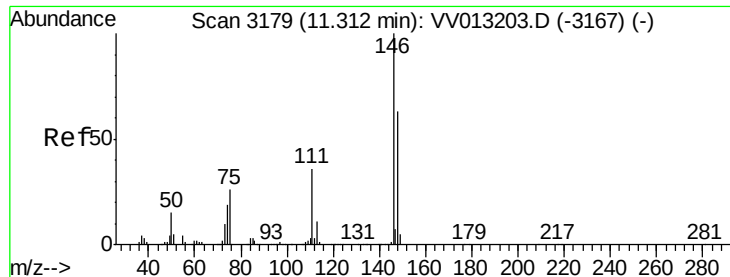
Tgt Ion: 43 Resp: 58681
Ion Ratio Lower Upper
43 100
58 42.9 44.2 66.2#
57 27.4 14.5 21.7#
100 3.1 9.5 14.3#



#49
Dibromochloromethane
Concen: 0.290 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013206.D
Acq: 18 Oct 2019 16:47

Tgt Ion: 129 Resp: 12277
Ion Ratio Lower Upper
129 100
127 0.0 53.2 98.8#

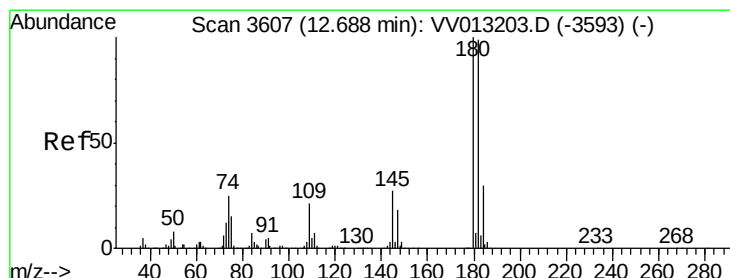
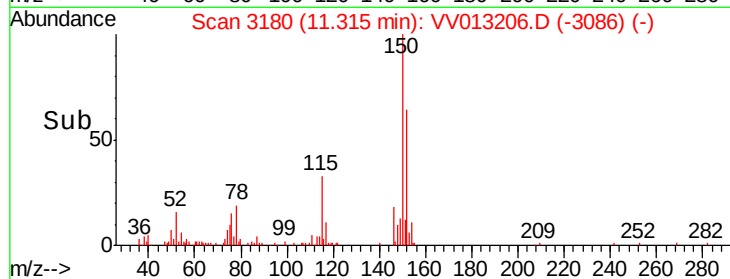
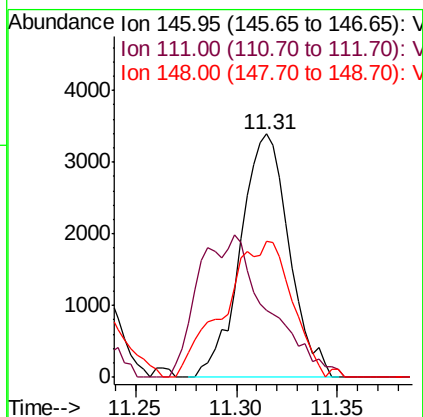
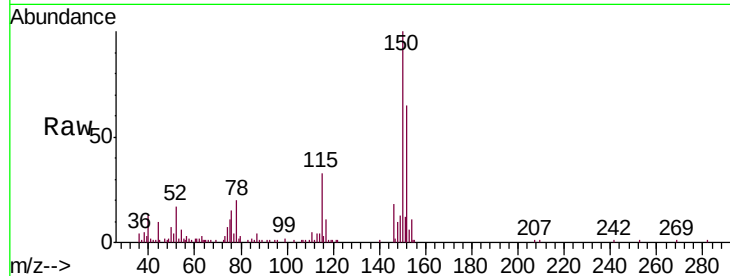




#63
 1,4-Dichlorobenzene
 Concen: 0.061 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013206.D
 Acq: 18 Oct 2019 16:47

Instrument :
 MSVOA_V
 ClientSampleId :
 E0AB3

Tgt Ion	Ratio	Lower	Upper
146	100		
111	27.5	25.7	47.7
148	56.1	44.4	82.5



#67
 1,3,5-Trichlorobenzene
 Concen: 0.061 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013206.D
 Acq: 18 Oct 2019 16:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	77.7	75.8	113.6
184	27.1	24.2	36.4
145	28.0	22.1	33.1

