

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\
 Data File : VV013782.D
 Acq On : 26 Nov 2019 13:04
 Operator : SY/MD
 Sample : K5993-02 50X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 27 01:21:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 27 01:18:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	355919	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	362666	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	158754	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	89516	4.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.20%
7) Chloroethane-d5	1.58	69	83725	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.13	63	122726	3.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.20%
20) 2-Butanone-d5	3.96	46	261238	57.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.08%
24) Chloroform-d	4.40	84	185369	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
26) 1,2-Dichloroethane-d4	5.08	65	106168	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.10	84	388049	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	6.12	67	122029	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.60%
41) Toluene-d8	7.36	98	325448	3.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.20%
43) trans-1,3-Dichloropropene-	7.66	79	43546	4.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.20%
46) 2-Hexanone-d5	8.14	63	192473	48.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.16%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	100038	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	143303	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

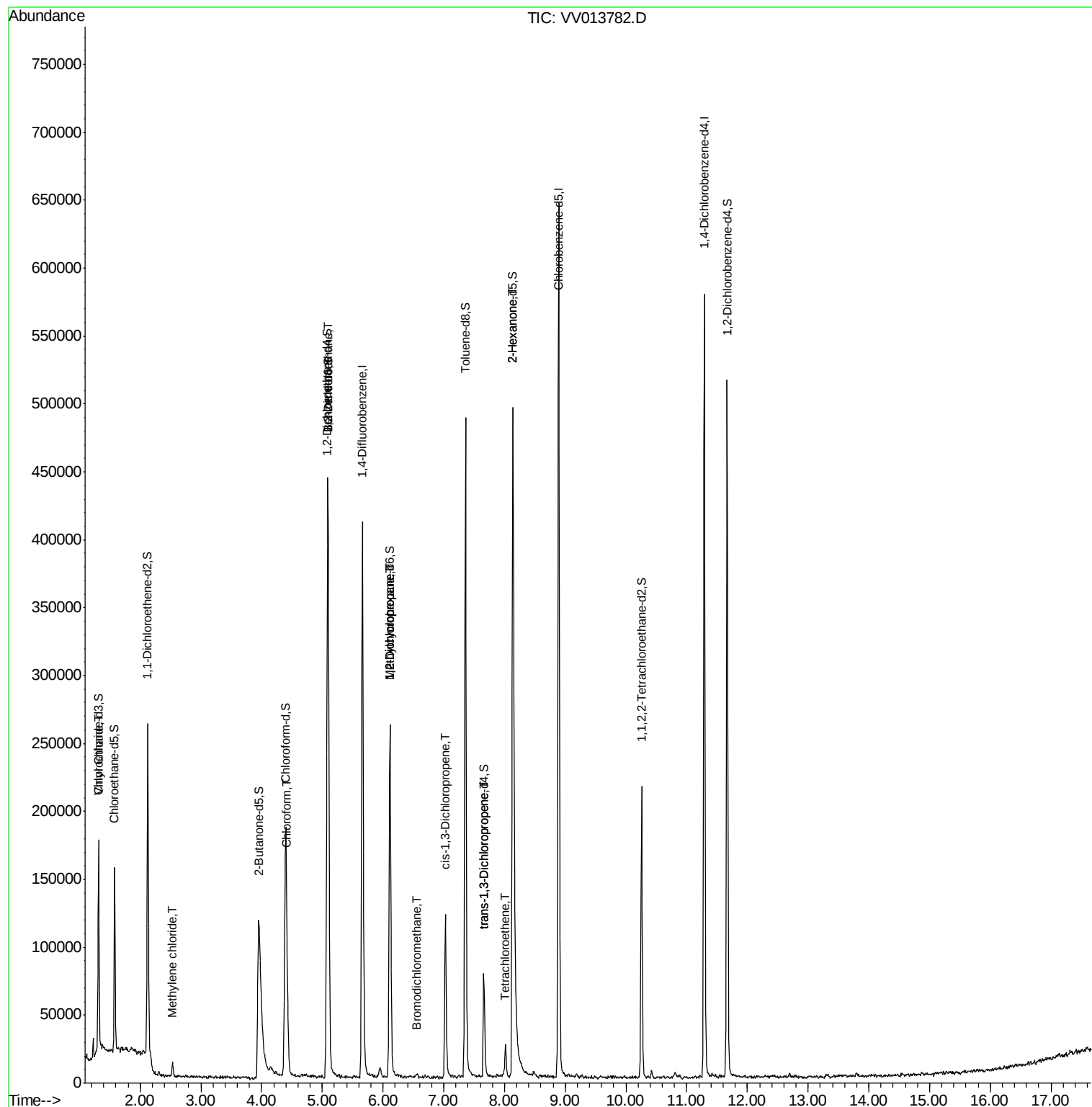
					Ovalue
8) Chloroethane	1.32	64	1250	0.098 ug/L	98
16) Methylene chloride	2.53	84	4036	0.172 ug/L #	88
25) Chloroform	4.42	83	34385	0.841 ug/L	100
27) 1,2-Dichloroethane	5.10	62	2719	0.116 ug/L	98
35) Methylcyclohexane	6.11	83	31267	0.955 ug/L #	20
37) 1,2-Dichloropropane	6.12	63	13774	0.602 ug/L #	86
38) Bromodichloromethane	6.55	83	1632	0.054 ug/L #	77
39) cis-1,3-Dichloropropene	7.02	75	3267	0.101 ug/L #	76
44) trans-1,3-Dichloropropene	7.66	75	2259	0.089 ug/L	97
47) Tetrachloroethene	8.02	164	5884	0.276 ug/L	98
48) 2-Hexanone	8.14	43	23882	2.508 ug/L #	79

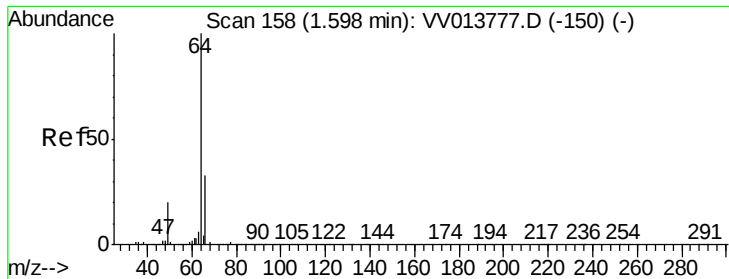
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 27 01:18:04 2019
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.098 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV013782.D

Acq: 26 Nov 2019 13:04

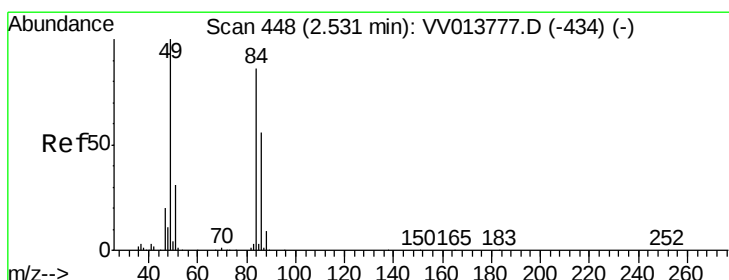
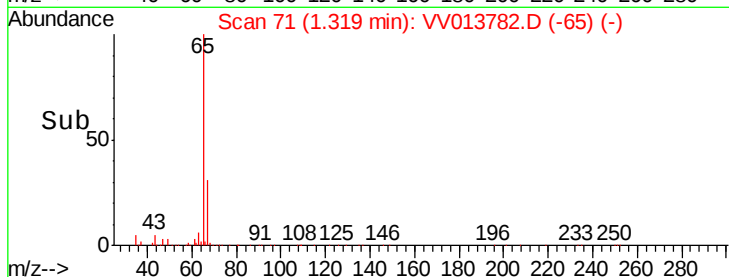
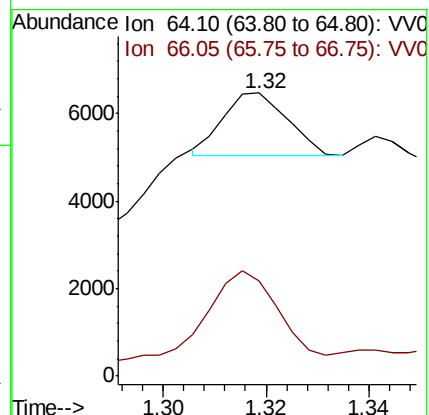
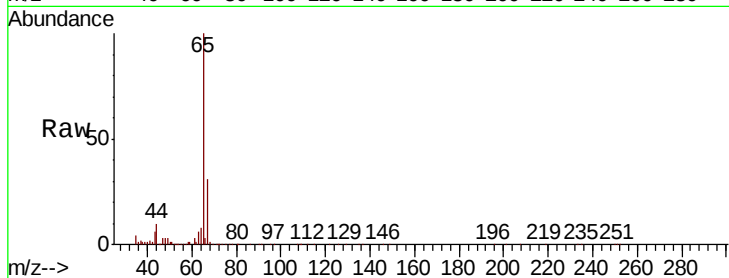
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 1250

Ion Ratio Lower Upper

64 100

66 33.7 22.6 42.0



#16

Methylene chloride

Concen: 0.172 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV013782.D

Acq: 26 Nov 2019 13:04

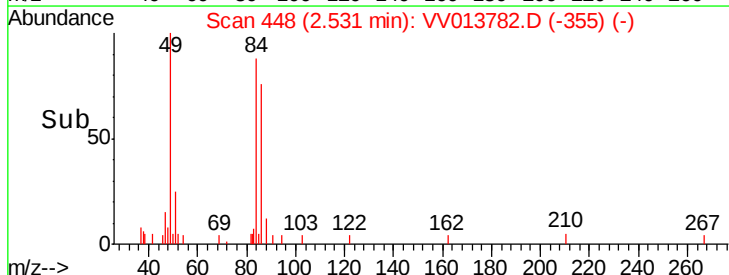
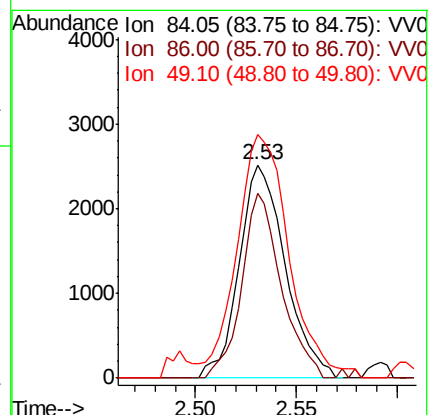
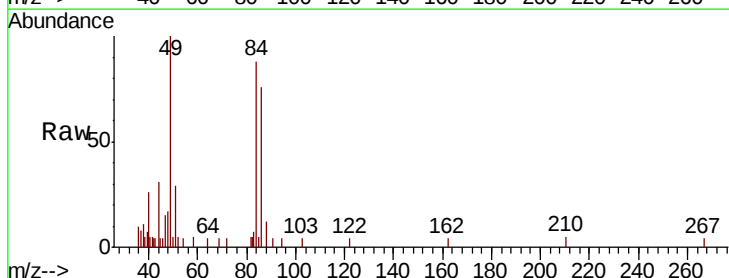
Tgt Ion: 84 Resp: 4036

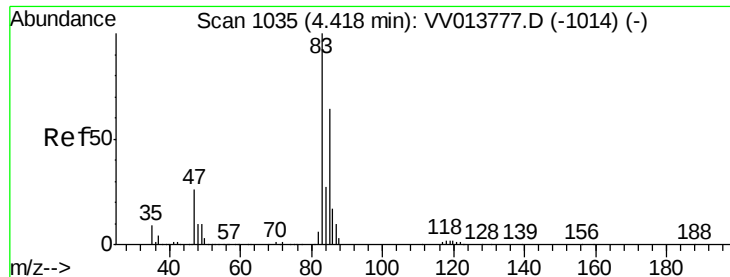
Ion Ratio Lower Upper

84 100

86 86.5 44.0 81.6#

49 114.1 81.5 151.5

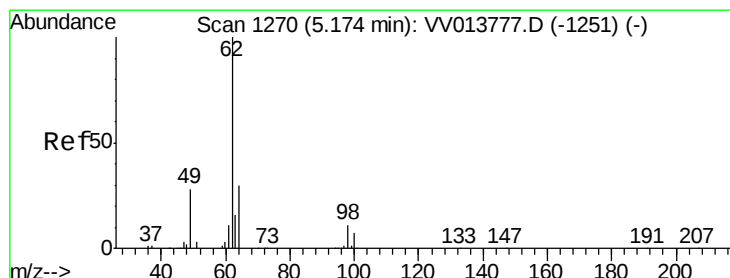
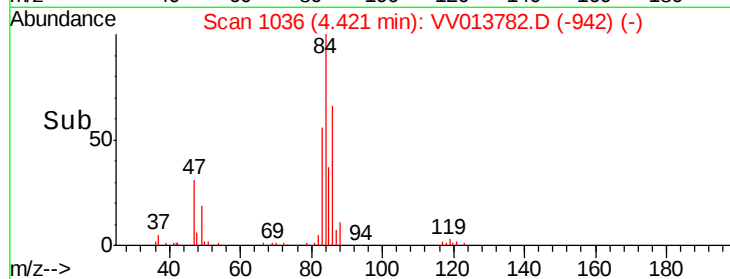
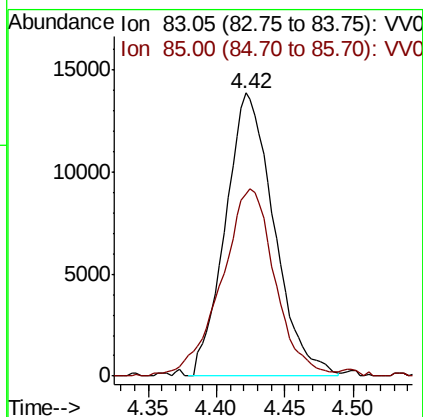
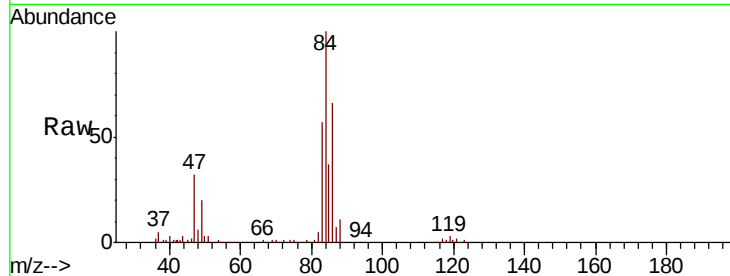




#25
Chloroform
Concen: 0.841 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013782.D
Acq: 26 Nov 2019 13:04

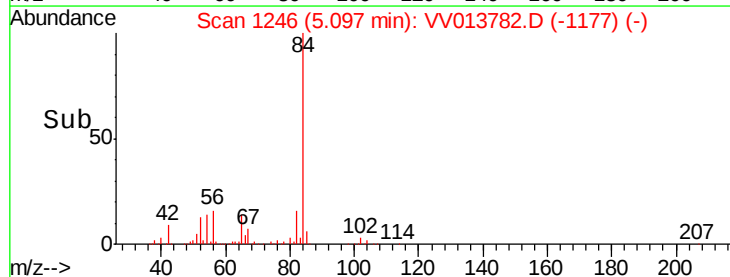
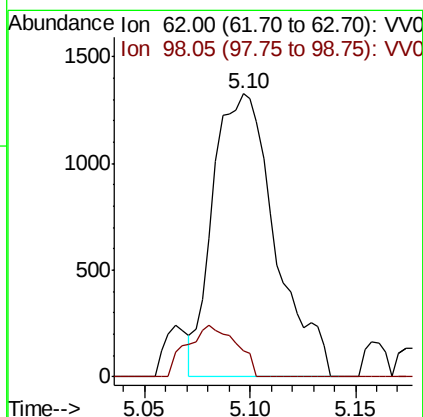
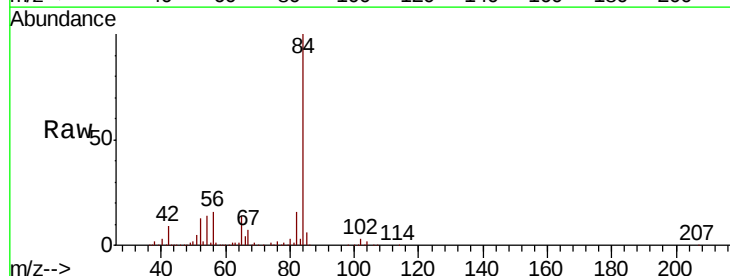
Instrument :
MSVOA_V
ClientSampleId :

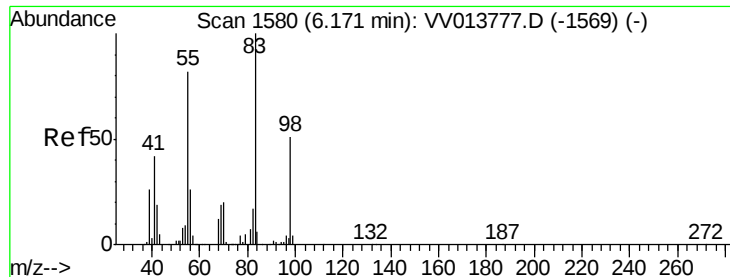
Tot Ion: 83 Resp: 34385
Ion Ratio Lower Upper
83 100
85 64.4 45.1 83.7



#27
1,2-Dichloroethane
Concen: 0.116 ug/L
RT: 5.10 min Scan# 1246
Delta R.T. -0.08 min
Lab File: VV013782.D
Acq: 26 Nov 2019 13:04

Tgt Ion: 62 Resp: 2719
Ion Ratio Lower Upper
62 100
98 9.3 8.2 12.2

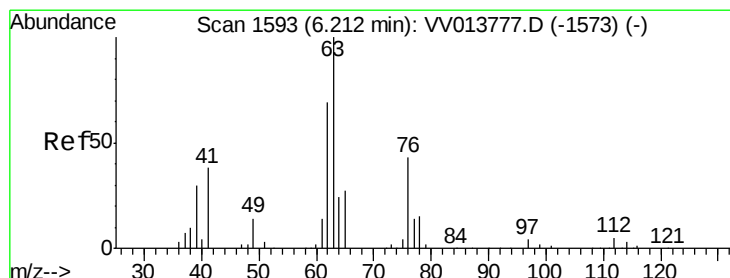
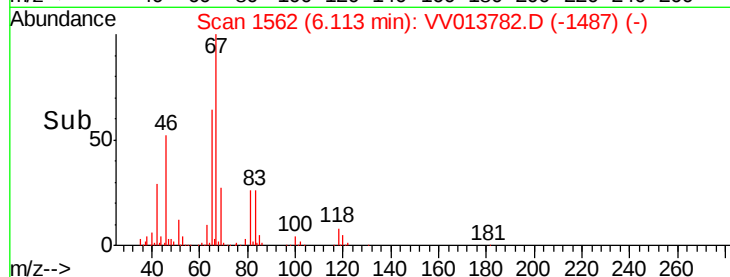
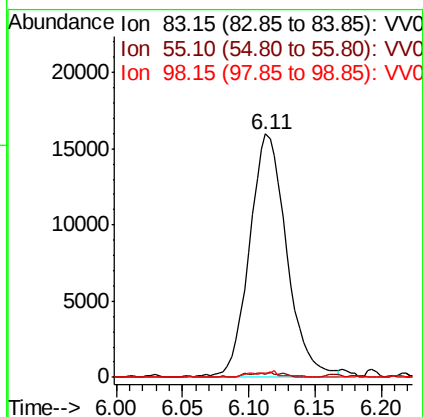
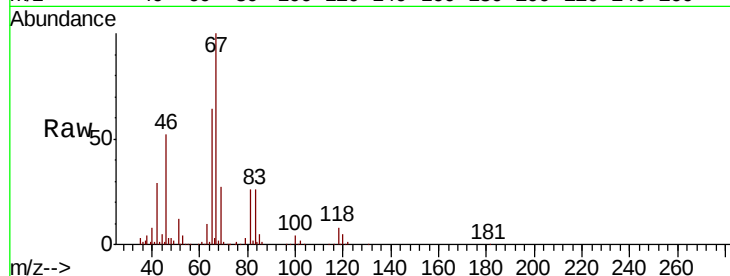




#35
Methvlcvclohexane
Concen: 0.955 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013782.D
Acq: 26 Nov 2019 13:04

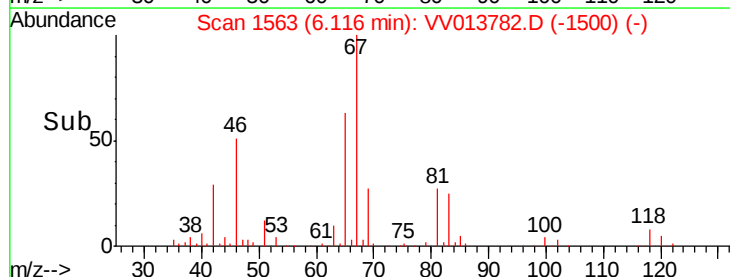
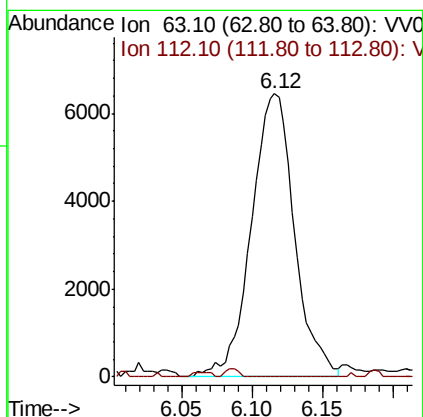
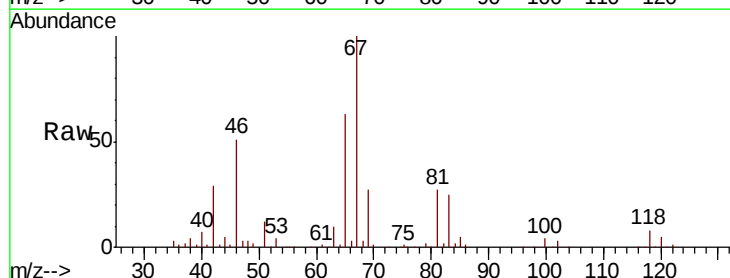
Instrument :
MSVOA_V
ClientSampleId :

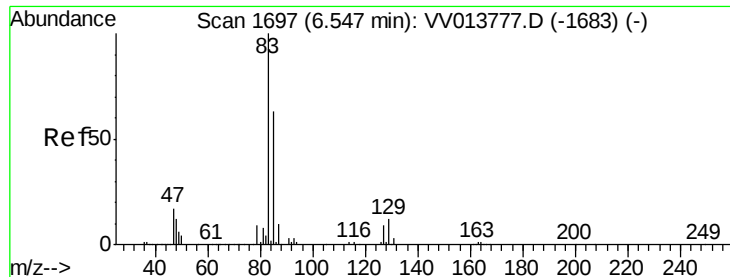
Tot Ion: 83 Resp: 31267
Ion Ratio Lower Upper
83 100
55 1.4 60.3 90.5#
98 1.7 38.1 57.1#



#37
1,2-Dichloropropane
Concen: 0.602 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV013782.D
Acq: 26 Nov 2019 13:04

Tgt Ion: 63 Resp: 13774
Ion Ratio Lower Upper
63 100
112 0.8 4.4 6.6#





#38

Bromodichloromethane

Concen: 0.054 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV013782.D

Acq: 26 Nov 2019 13:04

Instrument :

MSVOA_V

ClientSampleId :

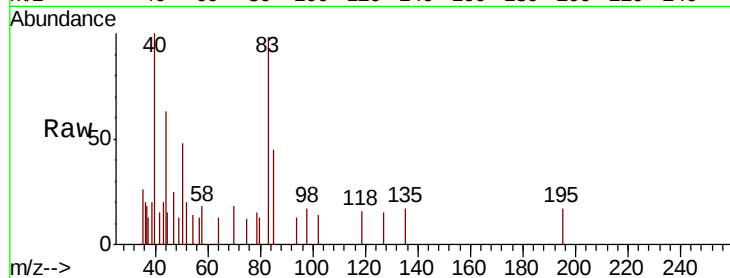
Tot Ion: 83 Resp: 1632

Ion Ratio Lower Upper

83 100

85 46.6 46.1 85.5

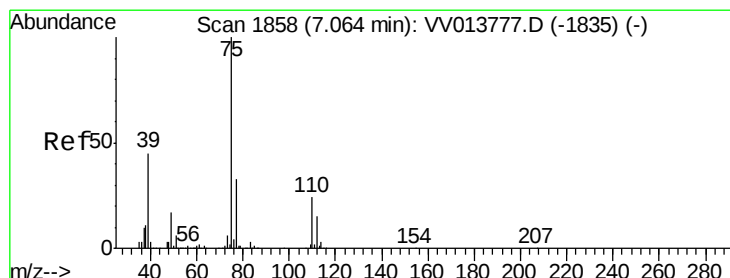
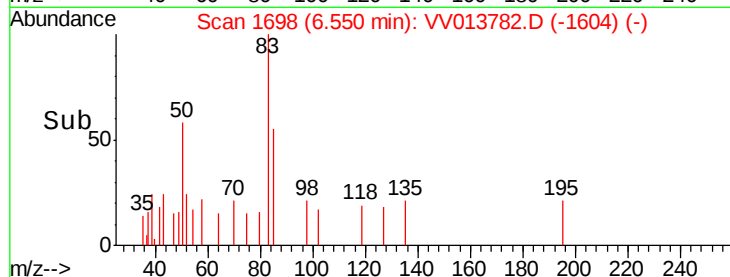
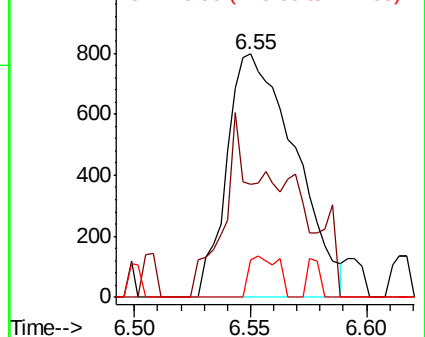
127 15.4 7.5 11.3#



Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): VV0



#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.02 min Scan# 1845

Delta R.T. -0.04 min

Lab File: VV013782.D

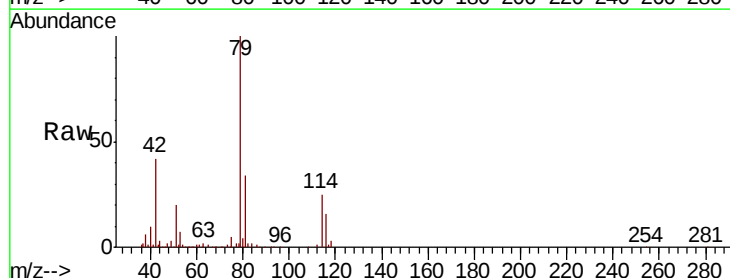
Acq: 26 Nov 2019 13:04

Tgt Ion: 75 Resp: 3267

Ion Ratio Lower Upper

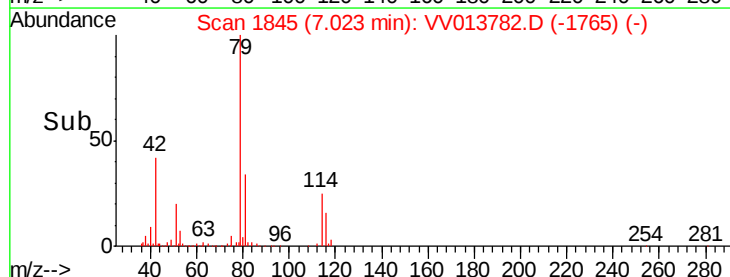
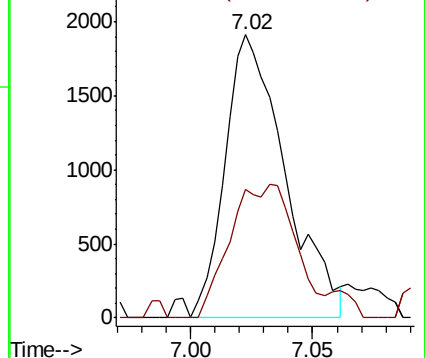
75 100

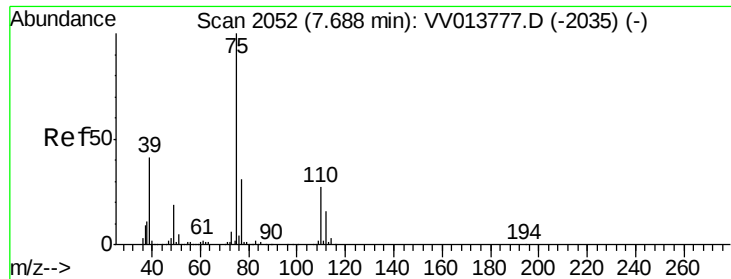
77 45.4 22.5 41.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#44

trans-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV013782.D

Acq: 26 Nov 2019 13:04

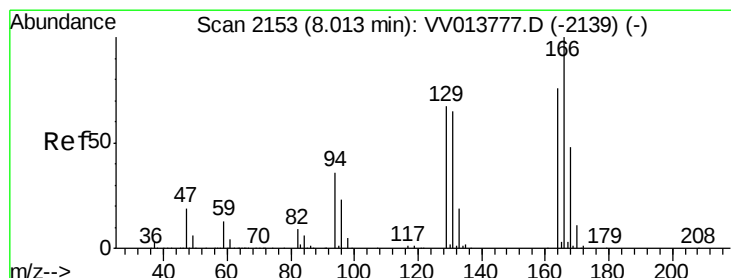
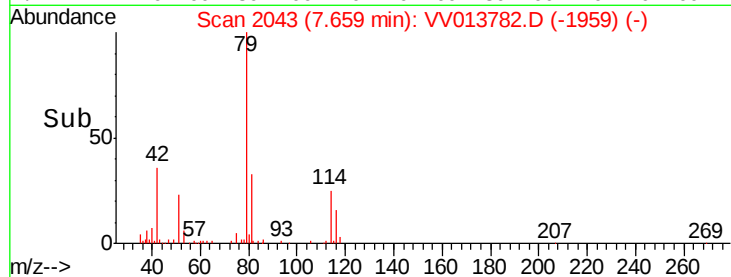
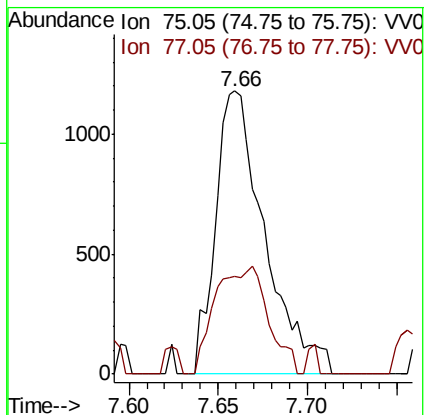
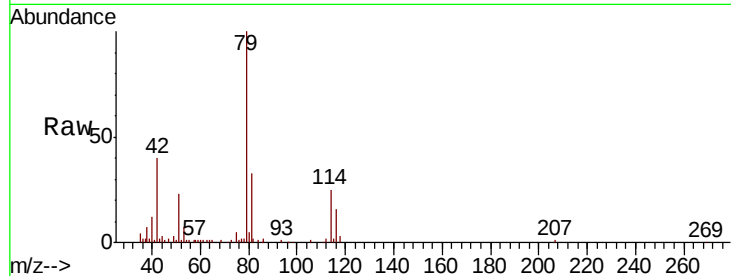
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 2259

Ion Ratio Lower Upper

75 100

77 34.6 23.0 42.8



#47

Tetrachloroethene

Concen: 0.276 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.01 min

Lab File: VV013782.D

Acq: 26 Nov 2019 13:04

Tgt Ion:164 Resp: 5884

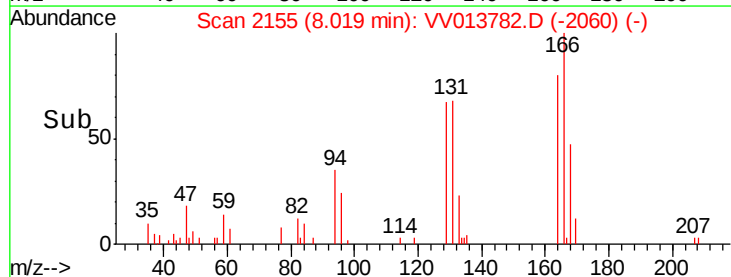
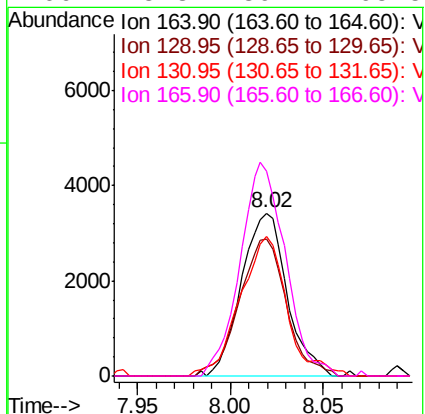
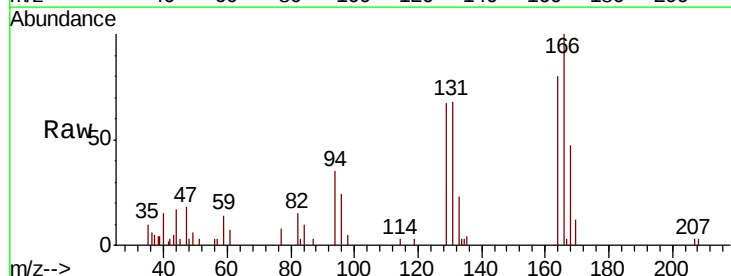
Ion Ratio Lower Upper

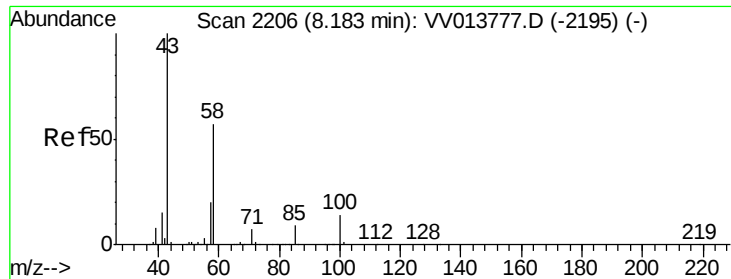
164 100

129 83.9 60.3 112.1

131 85.2 59.9 111.3

166 125.3 89.1 165.5





#48
 2-Hexanone
 Concen: 2.508 ug/L
 RT: 8.14 min Scan# 2191
 Delta R.T. -0.05 min
 Lab File: VV013782.D
 Acq: 26 Nov 2019 13:04

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.7	43.2	64.8#
57	34.9	15.4	23.2#
100	4.1	10.4	15.6#

