

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\
 Data File : VV013781.D
 Acq On : 26 Nov 2019 12:40
 Operator : SY/MD
 Sample : K5993-01 50X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 27 01:21:01 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	253928	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	283024	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	145677	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	91107	5.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	116.00%
7) Chloroethane-d5	1.58	69	87023	6.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	130.40%#
11) 1,1-Dichloroethene-d2	2.13	63	128041	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.80%
20) 2-Butanone-d5	3.94	46	231232	70.77	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	141.54%#
24) Chloroform-d	4.40	84	194912	6.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	123.00%
26) 1,2-Dichloroethane-d4	5.08	65	102334	6.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	135.80%#
32) Benzene-d6	5.10	84	390650	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
36) 1,2-Dichloropropane-d6	6.11	67	118040	5.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.40%
41) Toluene-d8	7.36	98	314426	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	7.66	79	42651	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.13	63	178905	57.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.52%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	87727	5.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	138695	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	1043	0.070	ug/L	100
8) Chloroethane	1.59	64	1094	0.120	ug/L #	56
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1259	0.090	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	1671	0.137	ug/L #	1
14) Carbon disulfide	2.32	76	1438	0.051	ug/L #	58
16) Methylene chloride	2.54	84	2878	0.172	ug/L	98
25) Chloroform	4.42	83	24993	0.857	ug/L	91
27) 1,2-Dichloroethane	5.10	62	2450	0.147	ug/L	96
35) Methylcyclohexane	6.12	83	29801	1.166	ug/L #	20
37) 1,2-Dichloropropane	6.11	63	13403	0.751	ug/L #	85
38) Bromodichloromethane	6.55	83	1409	0.060	ug/L #	82
44) trans-1,3-Dichloropropene	7.67	75	1152	0.058	ug/L #	55
45) 1,1,2-Trichloroethane	8.01	97	4656	0.366	ug/L #	1
47) Tetrachloroethene	8.02	164	654649	39.366	ug/L	98
48) 2-Hexanone	8.19	43	7780	1.047	ug/L #	66
49) Dibromochloromethane	8.02	129	549804	33.712	ug/L #	10

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\
Data File : VV013781.D
Acq On : 26 Nov 2019 12:40
Operator : SY/MD
Sample : K5993-01 50X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Nov 27 01:21:01 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

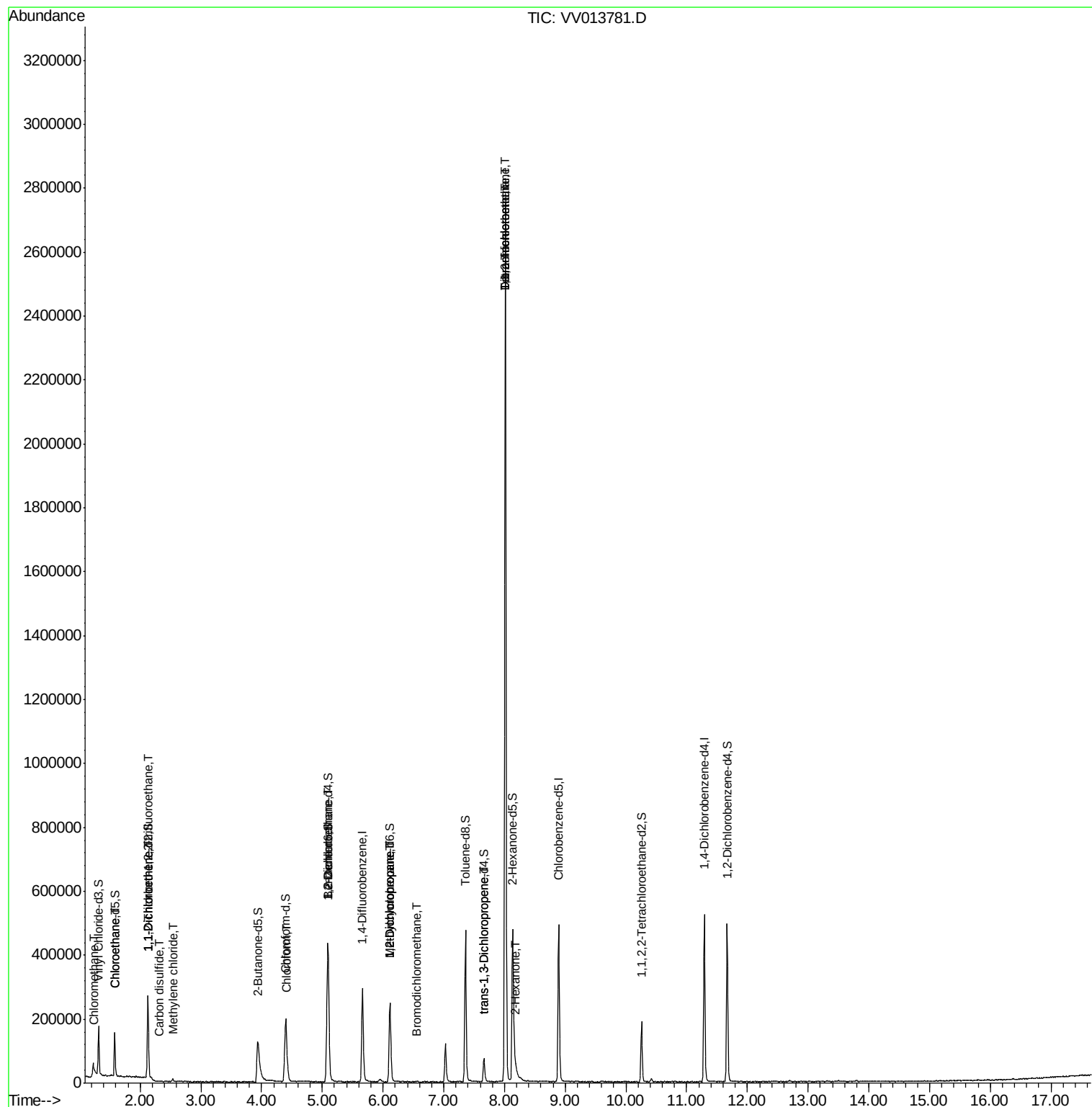
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

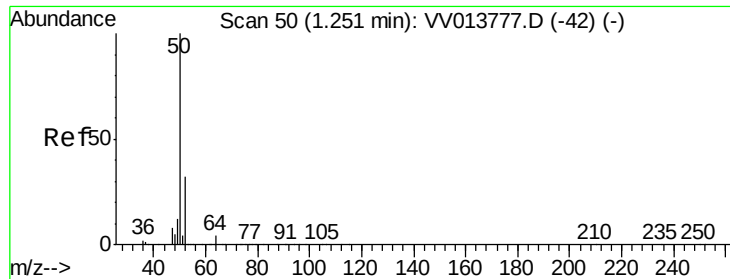
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\
Data File : VV013781.D
Acq On : 26 Nov 2019 12:40
Operator : SY/MD
Sample : K5993-01 50X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Nov 27 01:21:01 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





#3

Chloromethane

Concen: 0.070 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013781.D

Acq: 26 Nov 2019 12:40

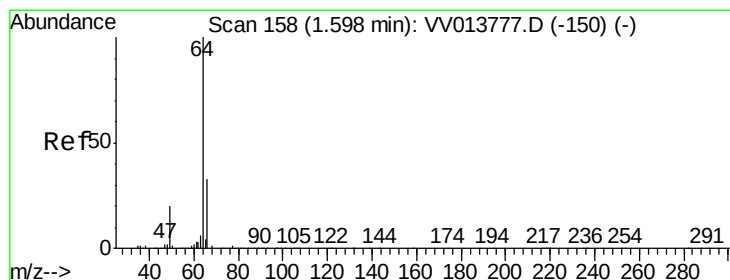
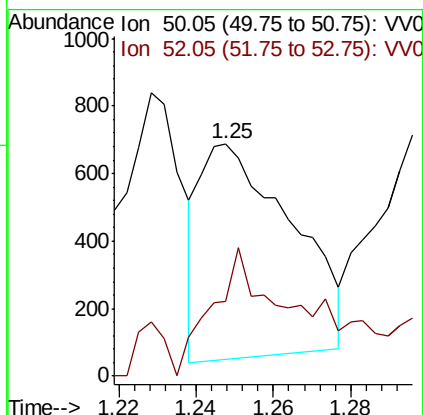
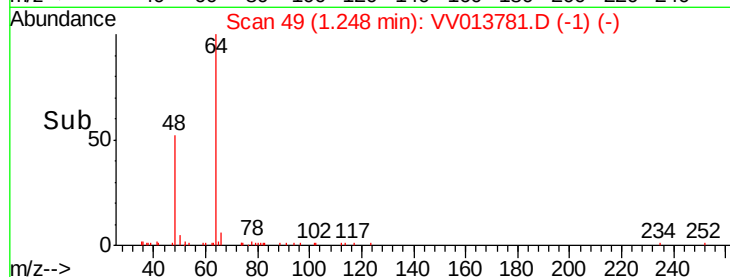
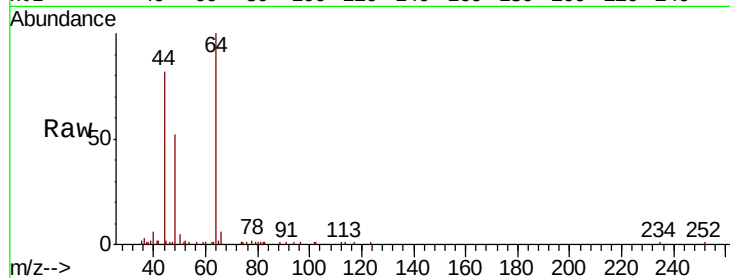
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 1043

Ion Ratio Lower Upper

50 100

52 32.3 22.5 41.7



#8

Chloroethane

Concen: 0.120 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VV013781.D

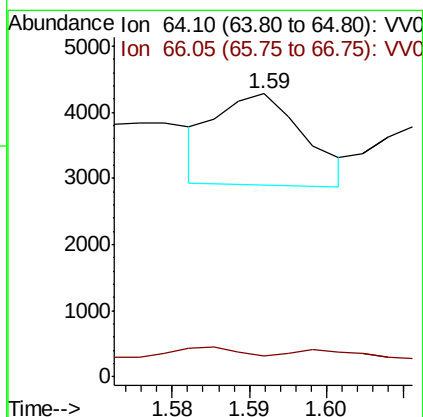
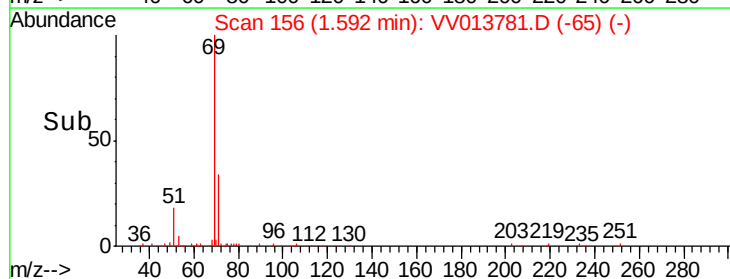
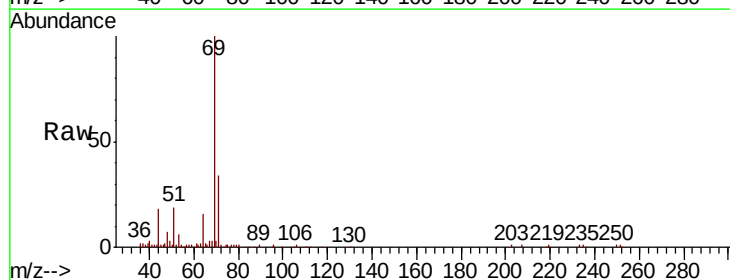
Acq: 26 Nov 2019 12:40

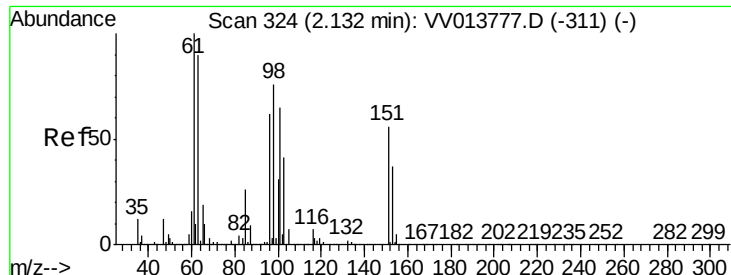
Tgt Ion: 64 Resp: 1094

Ion Ratio Lower Upper

64 100

66 7.4 22.6 42.0#





#10

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

Concen: 0.090 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV013781.D

Acq: 26 Nov 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

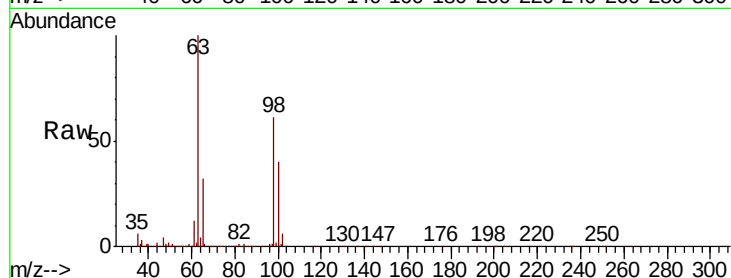
Tot Ion:101 Resp: 1259

Ion Ratio Lower Upper

101 100

85 9.8 33.4 50.0#

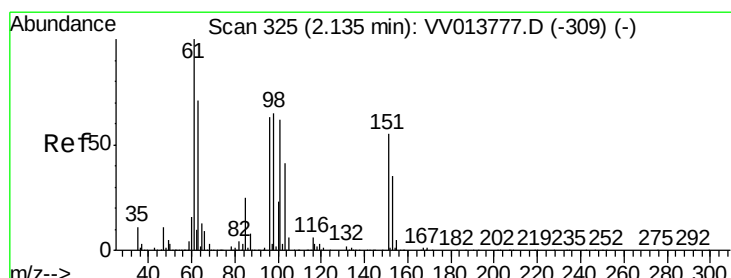
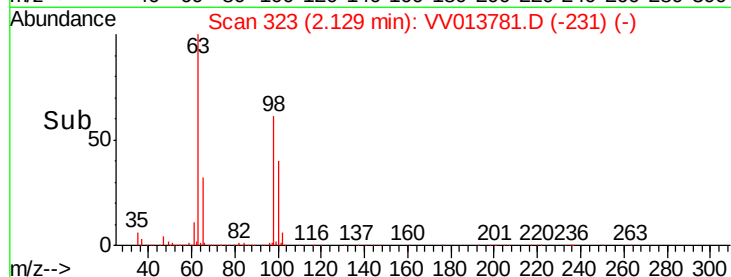
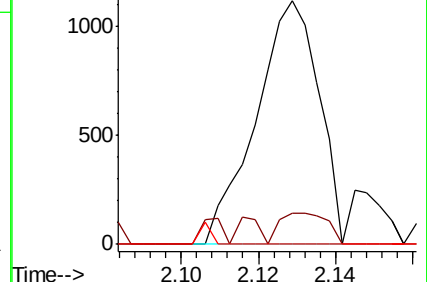
151 0.0 69.4 104.0#



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: 0.137 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013781.D

Acq: 26 Nov 2019 12:40

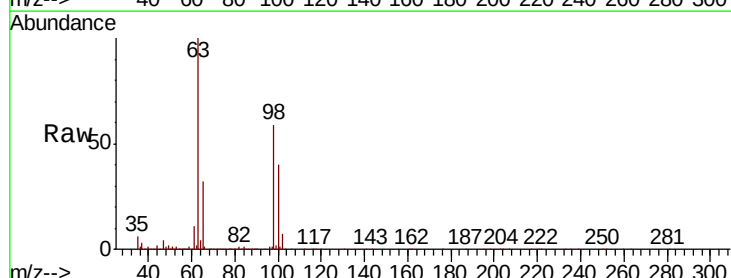
Tgt Ion: 96 Resp: 1671

Ion Ratio Lower Upper

96 100

61 1254.2 116.3 215.9#

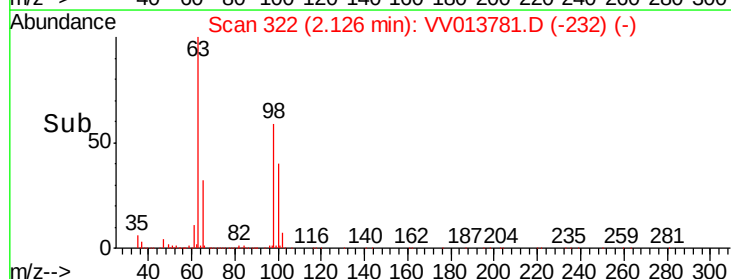
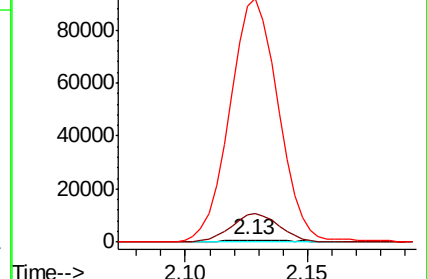
63 11007.7 96.7 179.7#

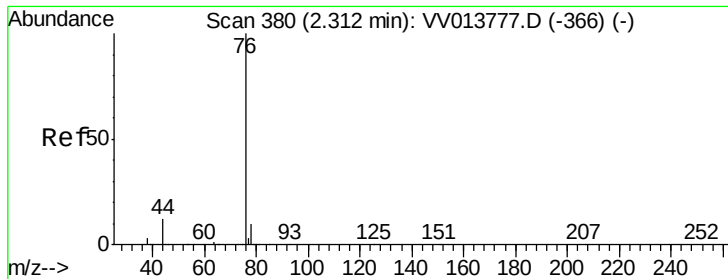


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.051 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013781.D

Acq: 26 Nov 2019 12:40

Instrument :

MSVOA_V

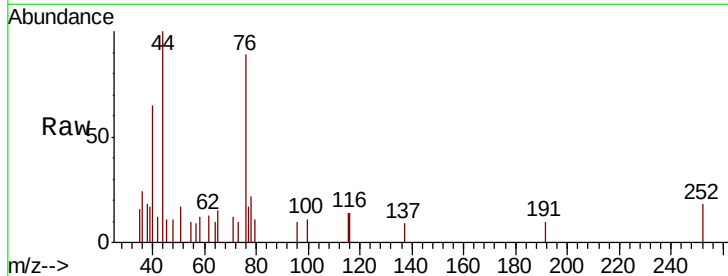
ClientSampled :

Tot Ion: 76 Resp: 1438

Ion Ratio Lower Upper

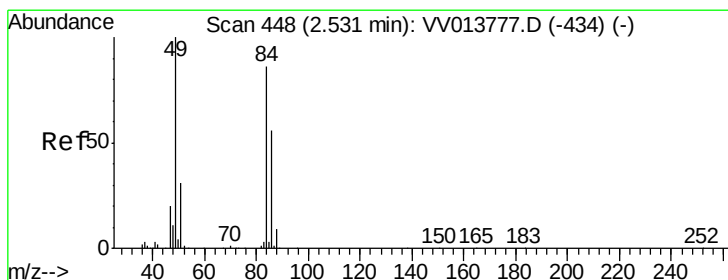
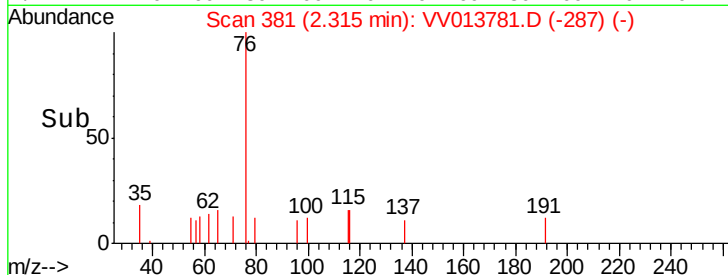
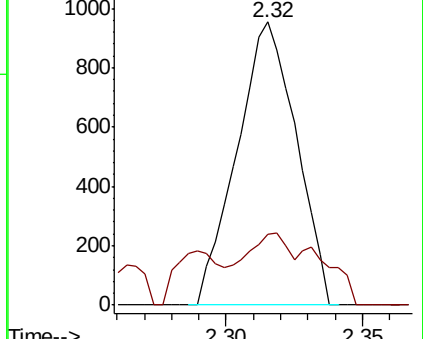
76 100

78 24.8 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 0.172 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.01 min

Lab File: VV013781.D

Acq: 26 Nov 2019 12:40

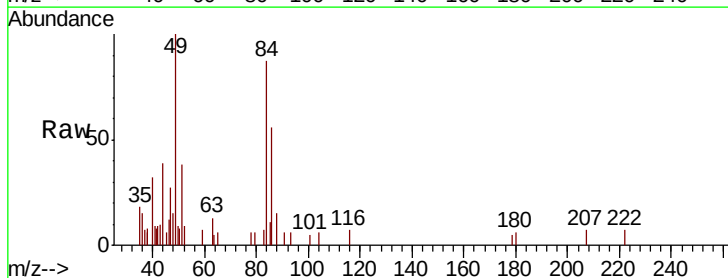
Tgt Ion: 84 Resp: 2878

Ion Ratio Lower Upper

84 100

86 64.4 44.0 81.6

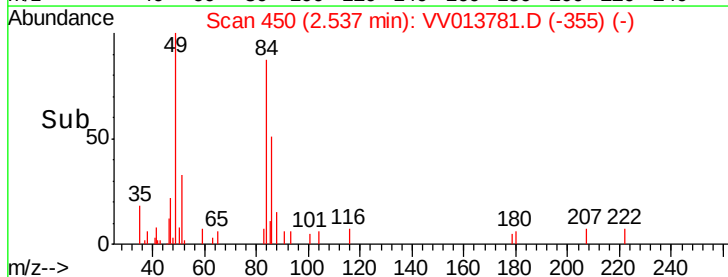
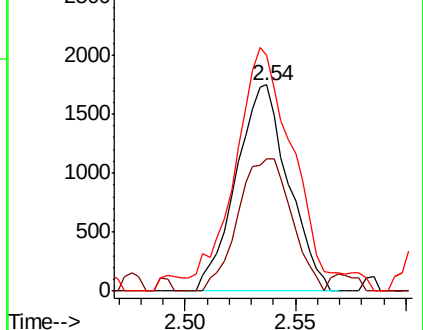
49 114.5 81.5 151.5

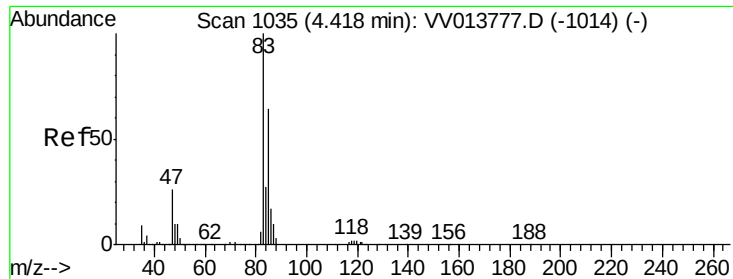


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

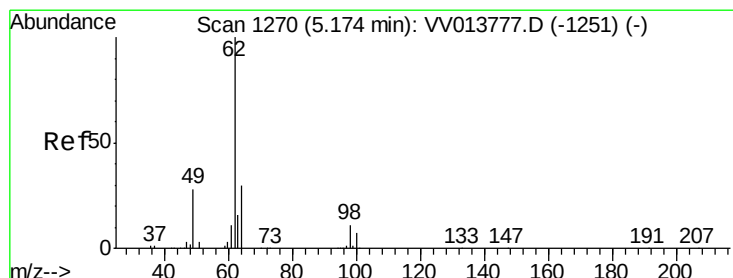
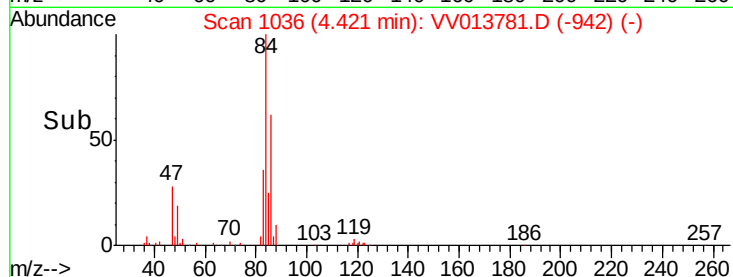
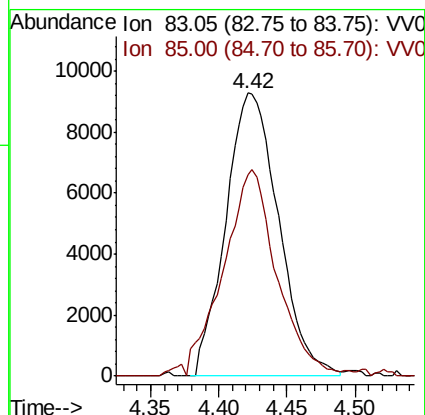
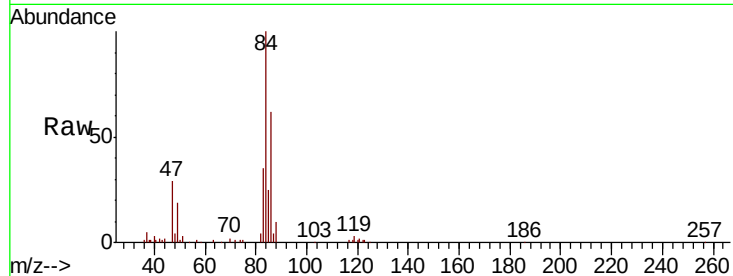




#25
Chloroform
Concen: 0.857 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013781.D
Acq: 26 Nov 2019 12:40

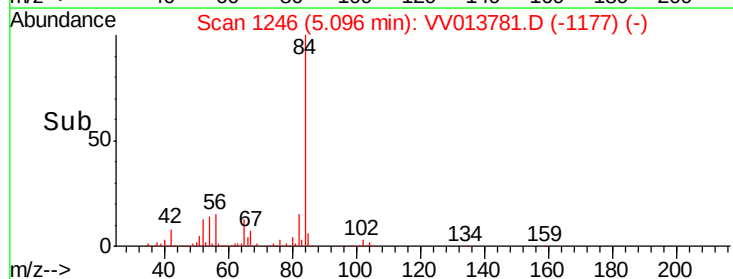
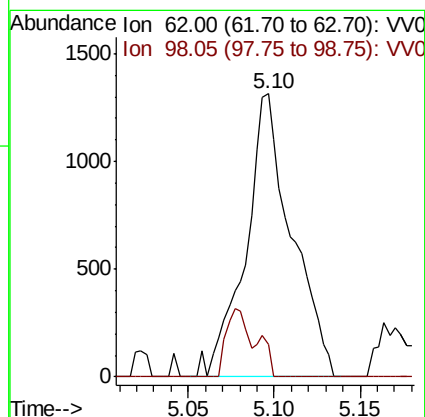
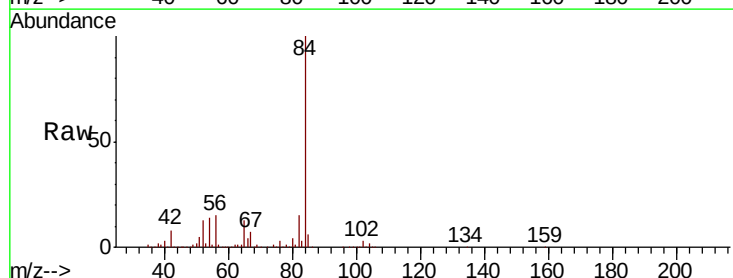
Instrument :
MSVOA_V
ClientSampled :

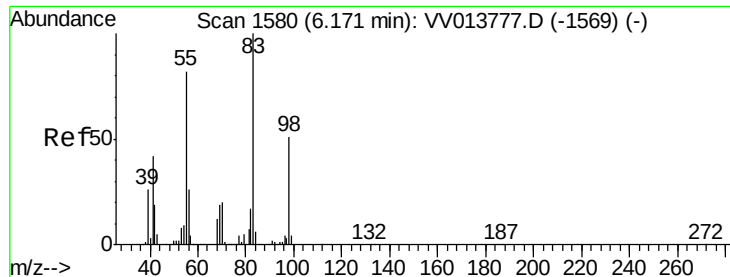
Tot Ion: 83 Resp: 24993
Ion Ratio Lower Upper
83 100
85 71.2 45.1 83.7



#27
1,2-Dichloroethane
Concen: 0.147 ug/L
RT: 5.10 min Scan# 1246
Delta R.T. -0.08 min
Lab File: VV013781.D
Acq: 26 Nov 2019 12:40

Tgt Ion: 62 Resp: 2450
Ion Ratio Lower Upper
62 100
98 11.7 8.2 12.2

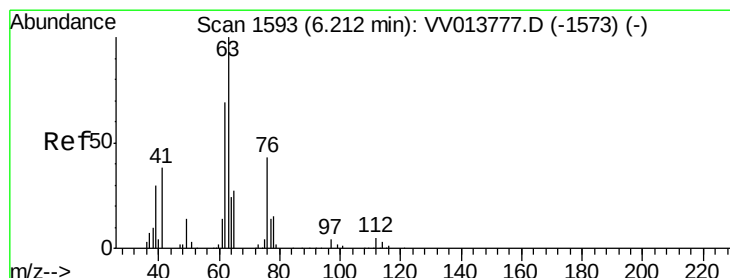
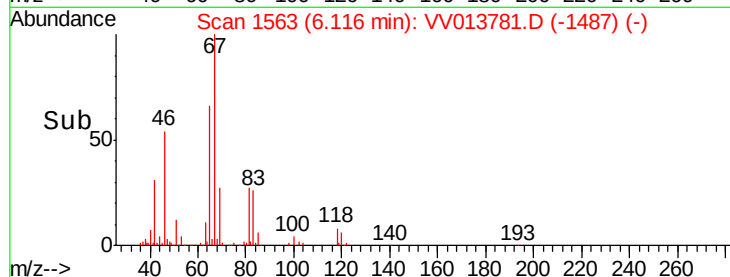
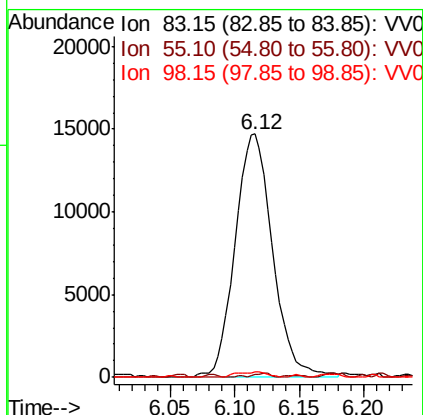
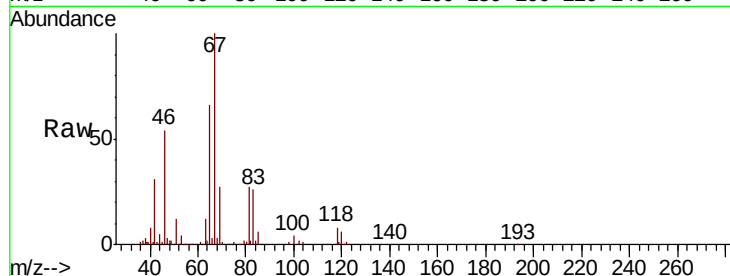




#35
Methylcyclohexane
Concen: 1.166 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV013781.D
Acq: 26 Nov 2019 12:40

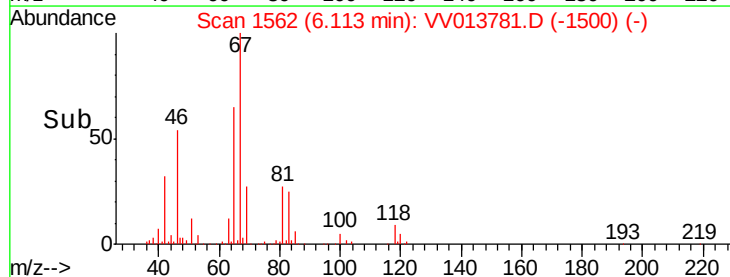
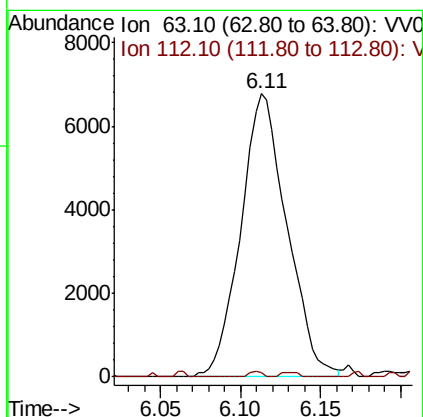
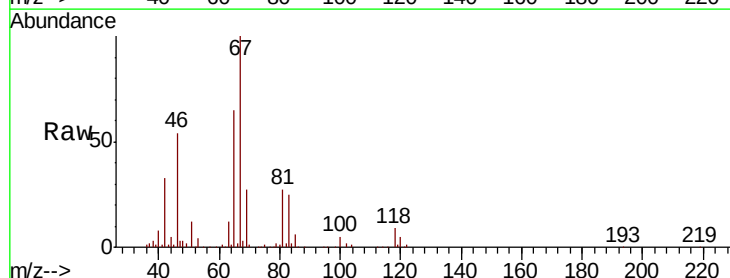
Instrument :
MSVOA_V
ClientSampleId :

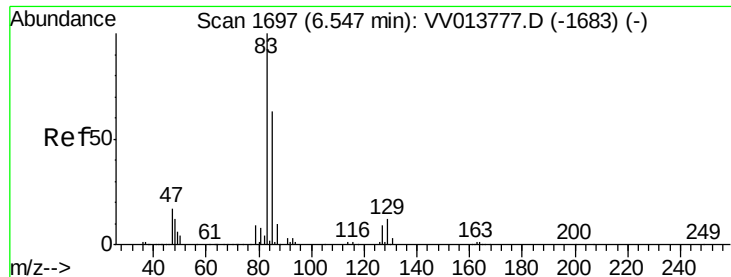
Tot Ion	Ratio	Lower	Upper
83	100		
55	0.7	60.3	90.5#
98	1.0	38.1	57.1#



#37
1,2-Dichloropropane
Concen: 0.751 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV013781.D
Acq: 26 Nov 2019 12:40

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.5	4.4	6.6#





#38

Bromodichloromethane

Concen: 0.060 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VV013781.D

Acq: 26 Nov 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

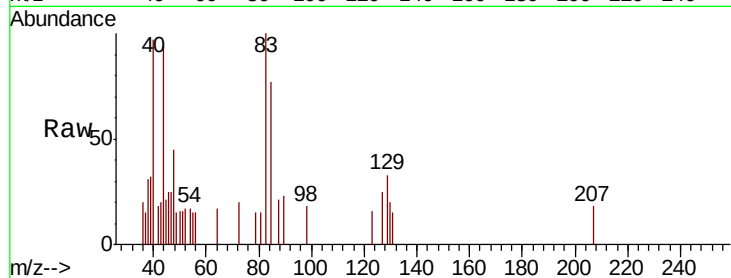
Tot Ion: 83 Resp: 1409

Ion Ratio Lower Upper

83 100

85 77.3 46.1 85.5

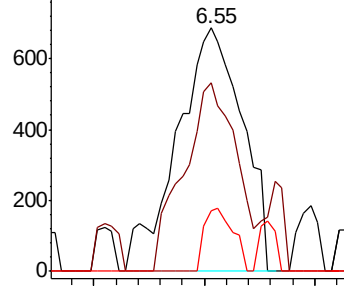
127 24.9 7.5 11.3#



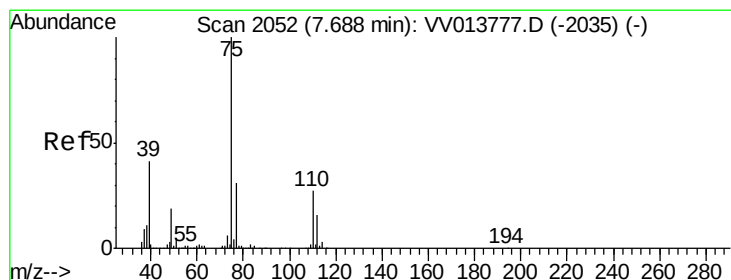
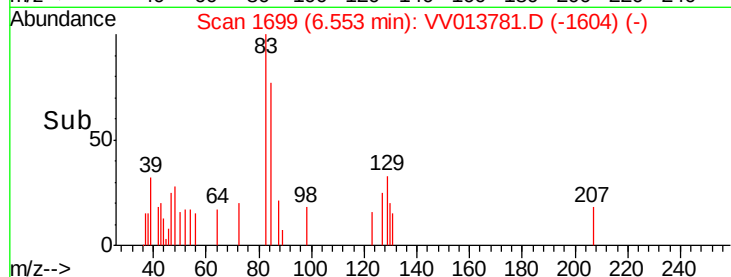
Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): VV0



Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.058 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.02 min

Lab File: VV013781.D

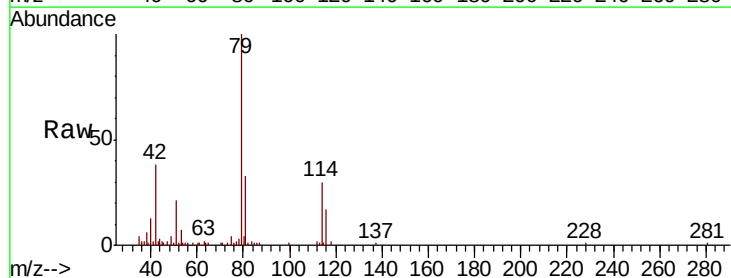
Acq: 26 Nov 2019 12:40

Tgt Ion: 75 Resp: 1152

Ion Ratio Lower Upper

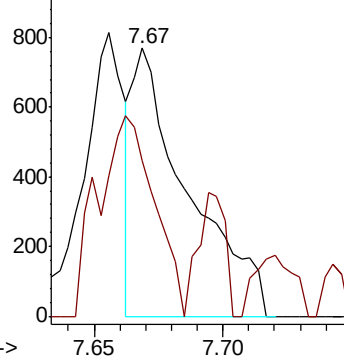
75 100

77 58.2 23.0 42.8#

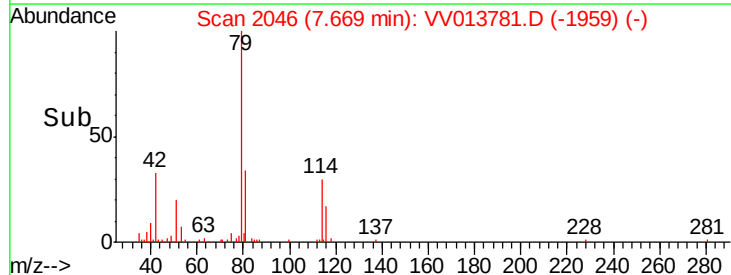


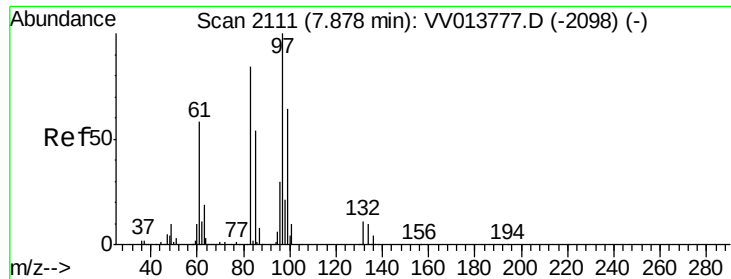
Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



Time-->

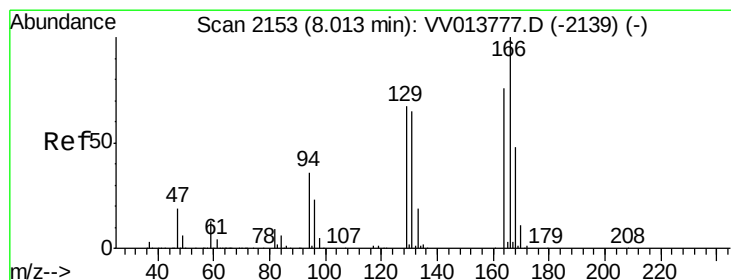
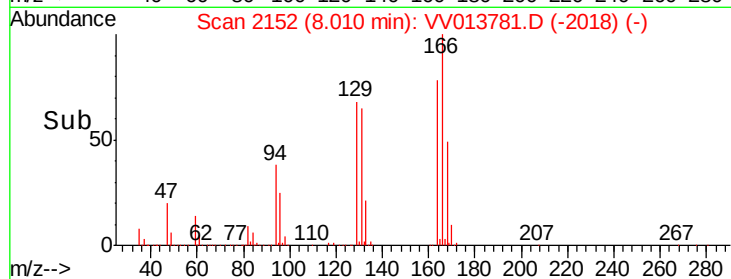
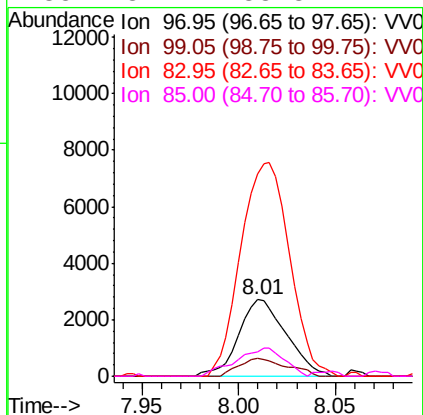
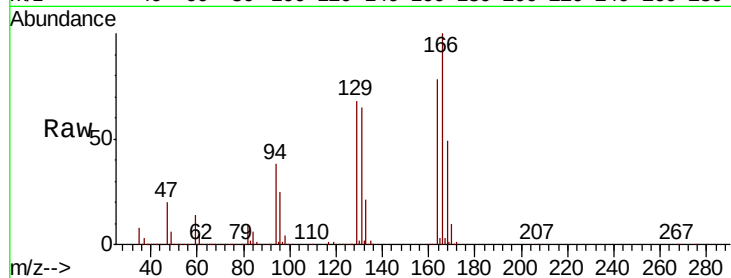




#45
 1,1,2-Trichloroethane
 Concen: 0.366 ug/L
 RT: 8.01 min Scan# 2152
 Delta R.T. 0.13 min
 Lab File: VV013781.D
 Acq: 26 Nov 2019 12:40

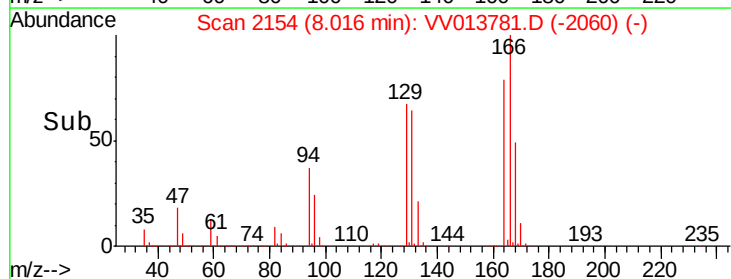
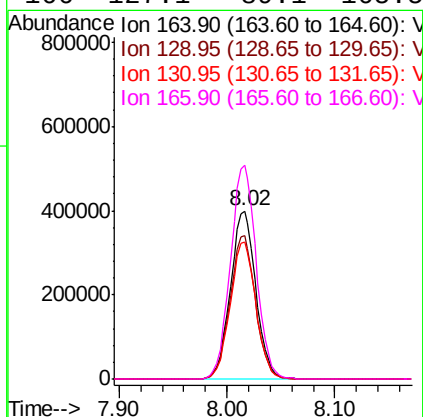
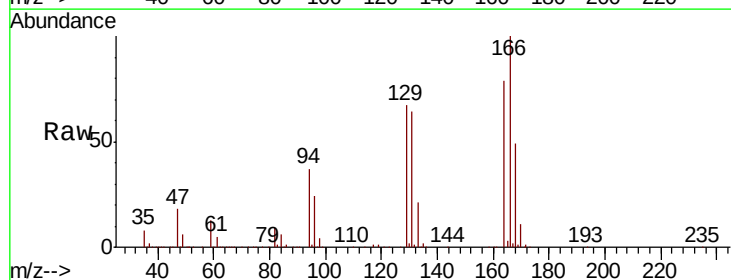
Instrument :
 MSVOA_V
 ClientSampleId :

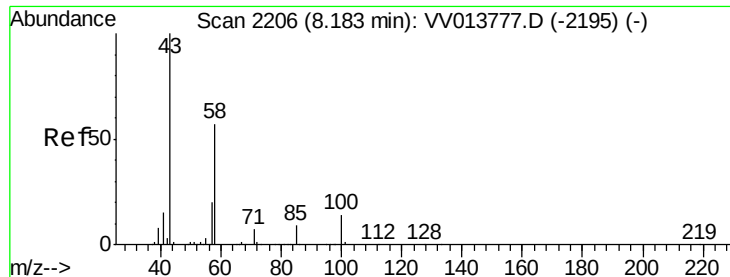
Tot Ion: 97 Resp: 4656
 Ion Ratio Lower Upper
 97 100
 99 23.6 44.2 82.0#
 83 263.9 59.7 110.9#
 85 32.1 38.3 71.1#



#47
 Tetrachloroethene
 Concen: 39.366 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013781.D
 Acq: 26 Nov 2019 12:40

Tgt Ion: 164 Resp: 654649
 Ion Ratio Lower Upper
 164 100
 129 85.2 60.3 112.1
 131 81.5 59.9 111.3
 166 127.1 89.1 165.5

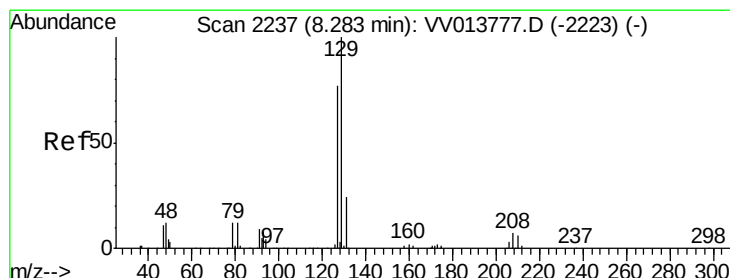
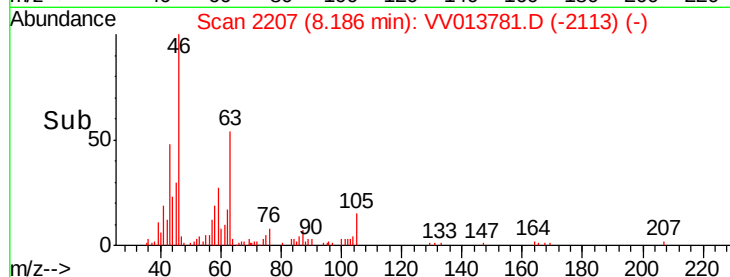
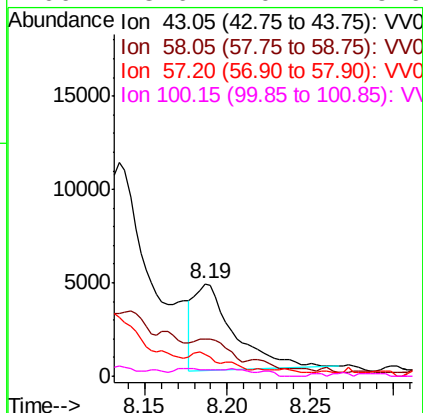
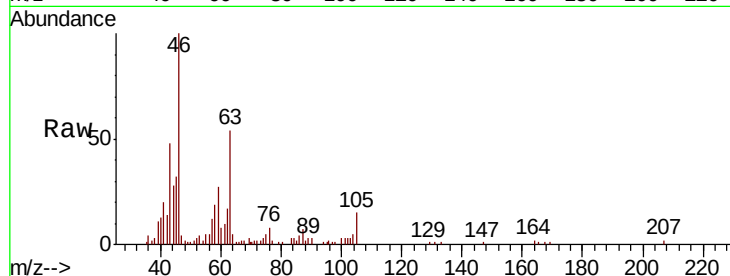




#48
2-Hexanone
Concen: 1.047 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV013781.D
Acq: 26 Nov 2019 12:40

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 7780
Ion Ratio Lower Upper
43 100
58 21.7 43.2 64.8#
57 24.7 15.4 23.2#
100 3.6 10.4 15.6#



#49
Dibromochloromethane
Concen: 33.712 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013781.D
Acq: 26 Nov 2019 12:40

Tgt Ion: 129 Resp: 549804
Ion Ratio Lower Upper
129 100
127 0.1 55.7 103.5#

