

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112719\
 Data File : VV013824.D
 Acq On : 27 Nov 2019 15:13
 Operator : SY/MD
 Sample : K6056-05DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 28 02:57:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 28 02:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	341436	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	342453	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	149421	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69160	3.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.40%
7) Chloroethane-d5	1.58	69	71715	4.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.00%
11) 1,1-Dichloroethene-d2	2.13	63	158713	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.20%
20) 2-Butanone-d5	3.96	46	248652	56.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.20%
24) Chloroform-d	4.40	84	160387	3.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.20%
26) 1,2-Dichloroethane-d4	5.08	65	95157	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.10	84	335171	3.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.80%
36) 1,2-Dichloropropane-d6	6.12	67	107913	4.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.00%
41) Toluene-d8	7.36	98	266299	3.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.20%#
43) trans-1,3-Dichloropropene-	7.66	79	38297	3.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.80%
46) 2-Hexanone-d5	8.14	63	184540	48.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.64%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	89530	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	124626	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3133	0.166	ug/L #	74
12) 1,1-Dichloroethene	2.14	96	115708	7.049	ug/L #	81
16) Methylene chloride	2.53	84	2293	0.102	ug/L	82
17) Methyl tert-butyl Ether	2.80	73	7857	0.175	ug/L #	89
19) 1,1-Dichloroethane	3.23	63	84341	2.279	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	81781	3.762	ug/L	99
25) Chloroform	4.42	83	29706	0.757	ug/L	91
27) 1,2-Dichloroethane	5.18	62	1153	0.051	ug/L #	73
29) 1,1,1-Trichloroethane	4.65	97	33534	0.957	ug/L	97
31) Carbon tetrachloride	4.66	117	4658	0.151	ug/L	98
34) Trichloroethene	5.96	95	280461	12.103	ug/L	98
35) Methylcyclohexane	6.12	83	26573	0.859	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	11829	0.548	ug/L #	86
47) Tetrachloroethene	8.01	164	120462	5.987	ug/L	98
48) 2-Hexanone	8.14	43	22608	2.514	ug/L #	82
49) Dibromochloromethane	8.01	129	100475	5.092	ug/L #	10

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112719\
Data File : VV013824.D
Acq On : 27 Nov 2019 15:13
Operator : SY/MD
Sample : K6056-05DL 5X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Nov 28 02:57:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 28 02:51:59 2019
Response via : Initial Calibration

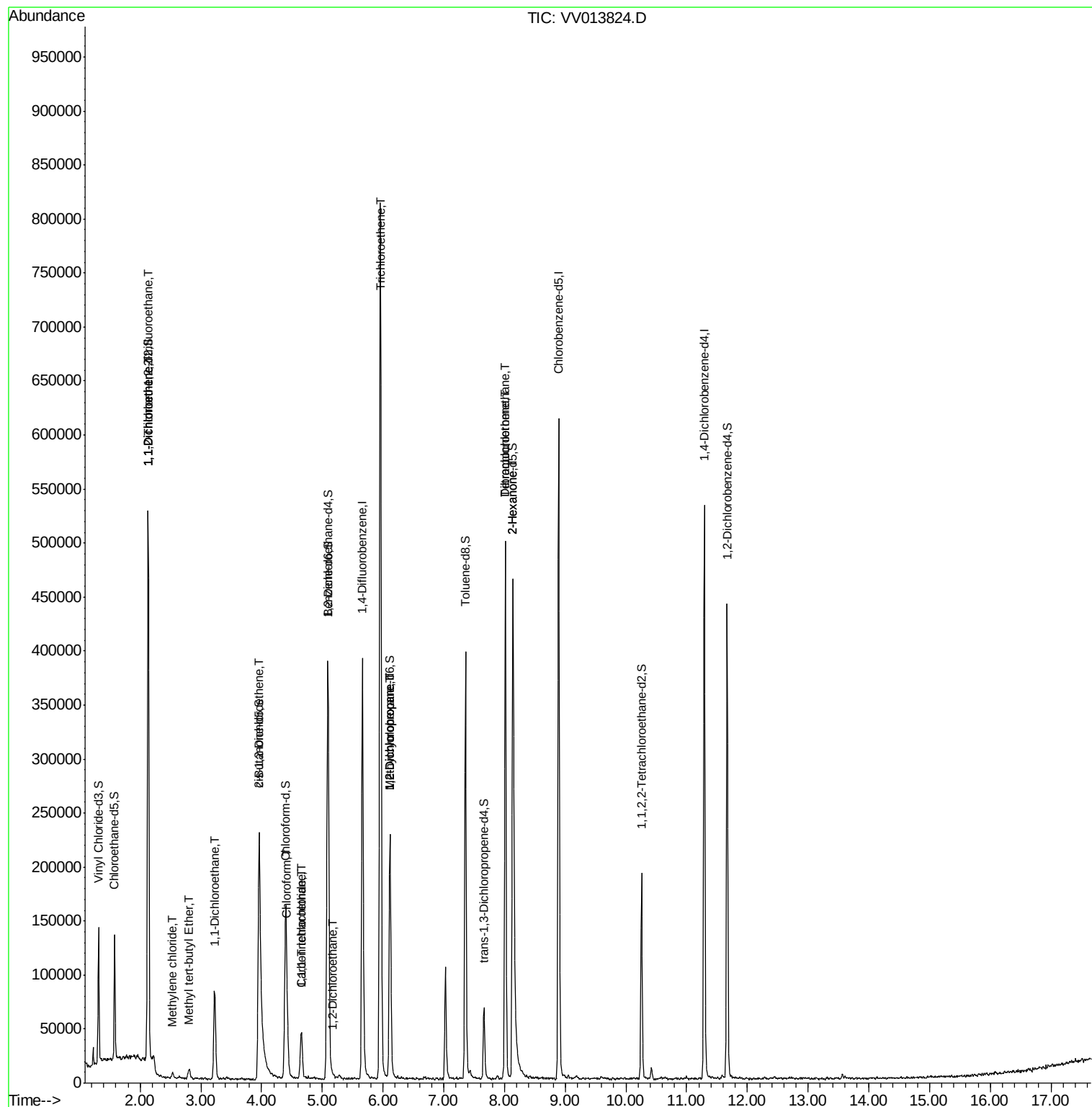
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

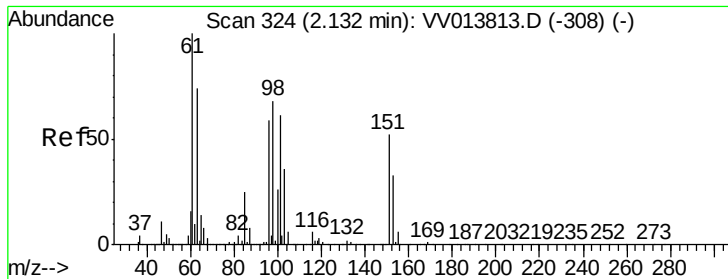
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV112719\
Data File : VV013824.D
Acq On : 27 Nov 2019 15:13
Operator : SY/MD
Sample : K6056-05DL 5X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Nov 28 02:57:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 28 02:51:59 2019
Response via : Initial Calibration





#10

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

Concen: 0.166 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV013824.D

Acq: 27 Nov 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

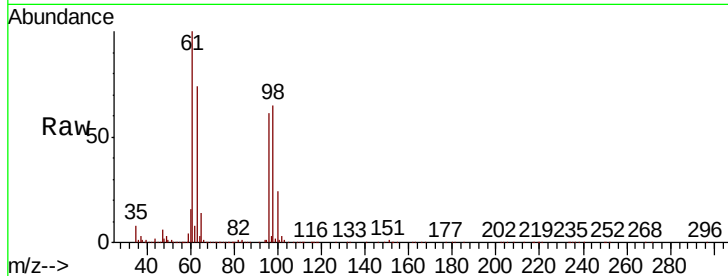
Tot Ion:101 Resp: 3133

Ion Ratio Lower Upper

101 100

85 32.8 33.4 50.0#

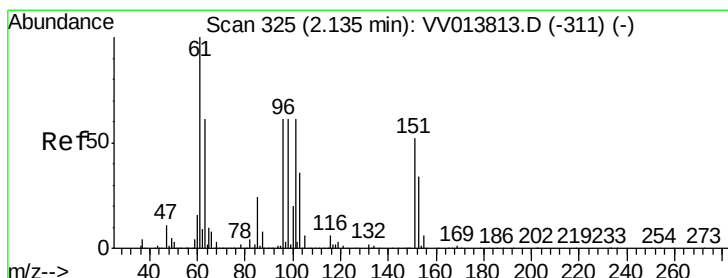
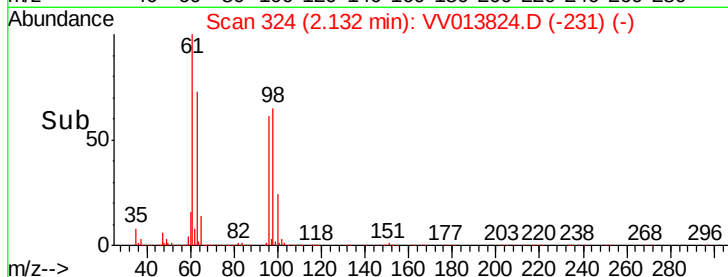
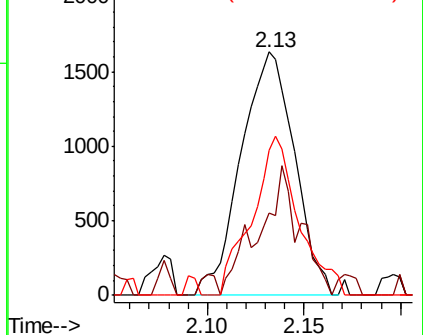
151 57.0 69.4 104.0#



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: 7.049 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013824.D

Acq: 27 Nov 2019 15:13

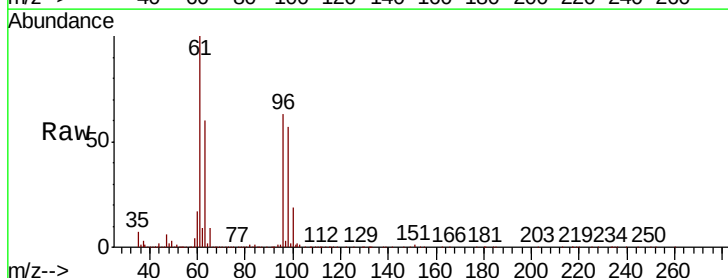
Tgt Ion: 96 Resp: 115708

Ion Ratio Lower Upper

96 100

61 158.7 116.3 215.9

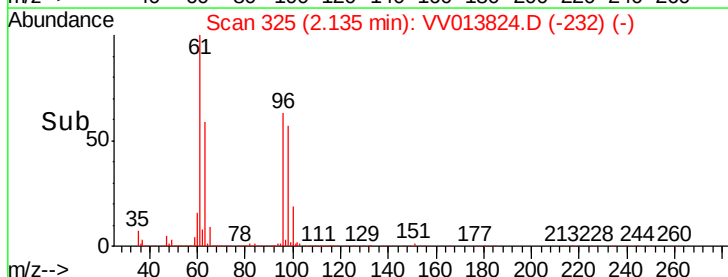
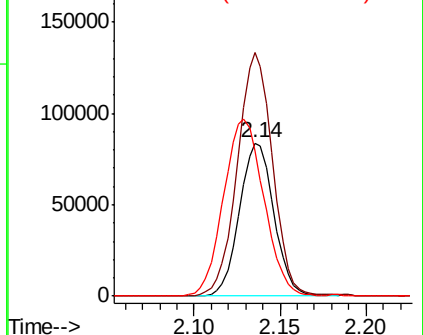
63 94.5 96.7 179.7#

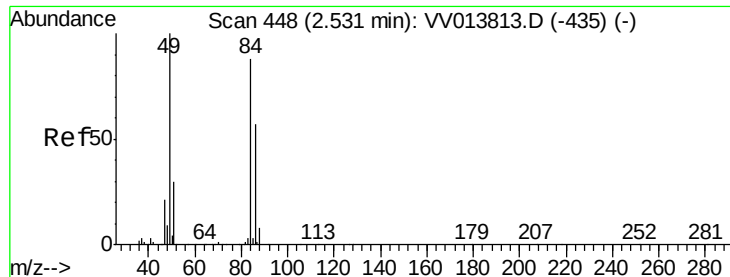


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

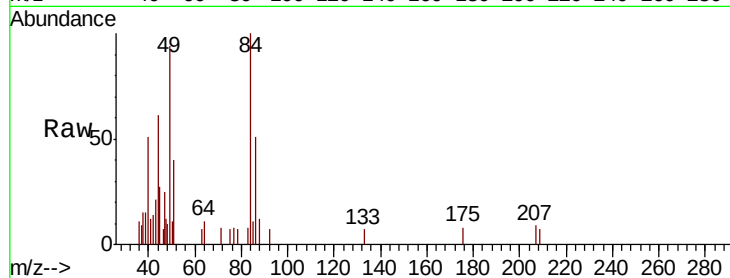




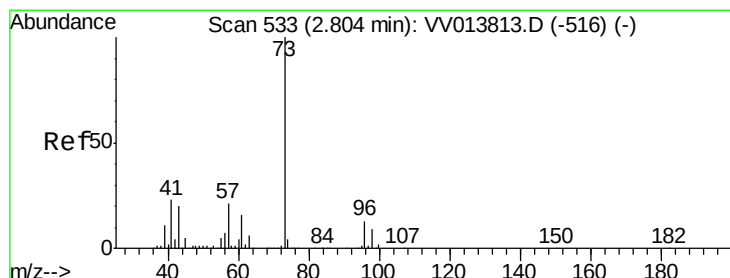
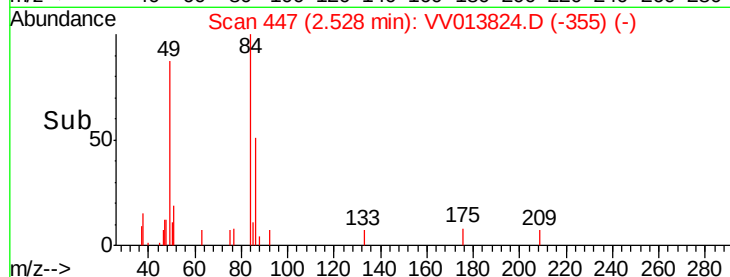
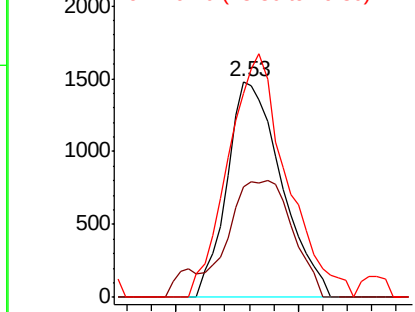
#16
Methylene chloride
Concen: 0.102 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV013824.D
Acq: 27 Nov 2019 15:13

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 84 Resp: 2293
Ion Ratio Lower Upper
84 100
86 51.4 44.0 81.6
49 94.4 81.5 151.5

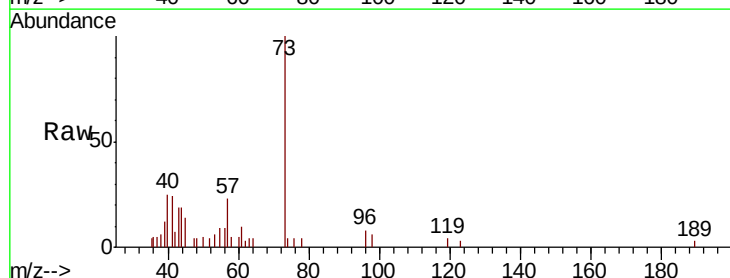


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

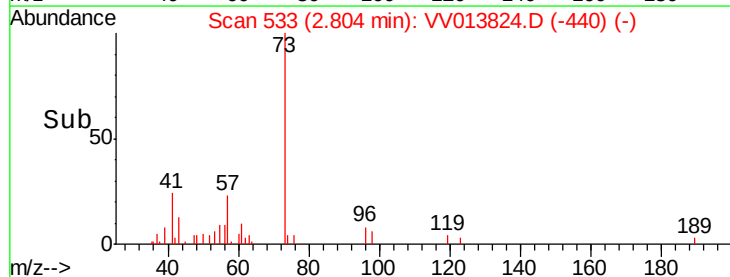
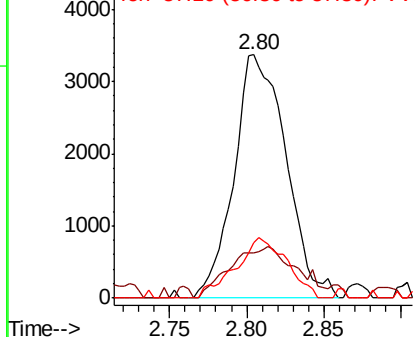


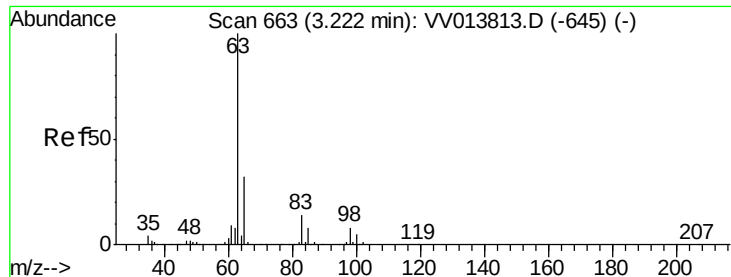
#17
Methyl tert-butyl Ether
Concen: 0.175 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV013824.D
Acq: 27 Nov 2019 15:13

Tgt Ion: 73 Resp: 7857
Ion Ratio Lower Upper
73 100
43 27.2 15.5 23.3#
57 24.3 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

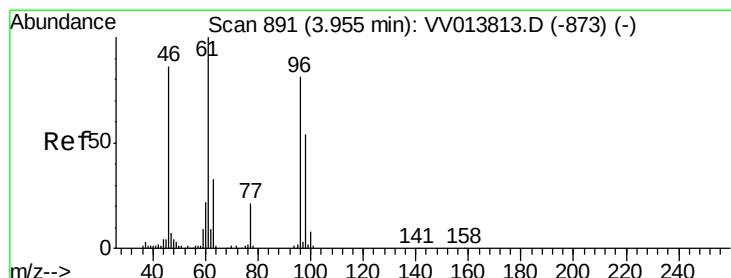
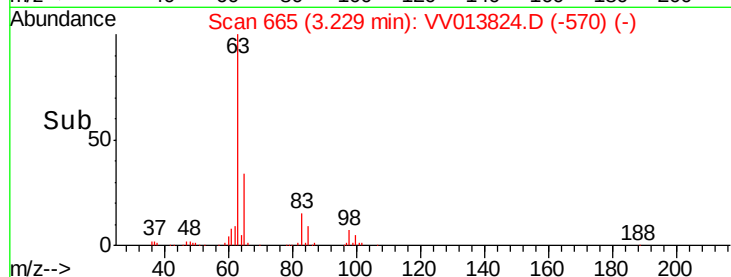
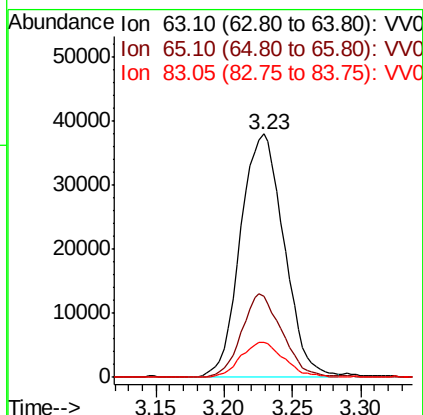
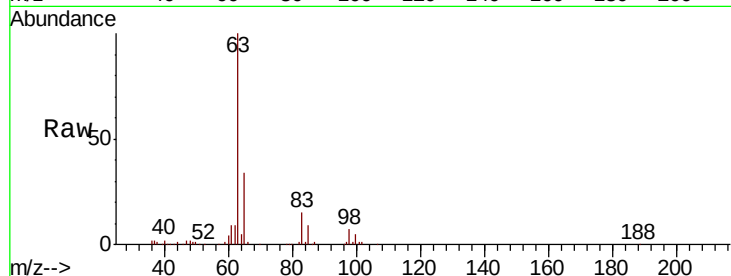




#19
 1,1-Dichloroethane
 Concen: 2.279 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.01 min
 Lab File: VV013824.D
 Acq: 27 Nov 2019 15:13

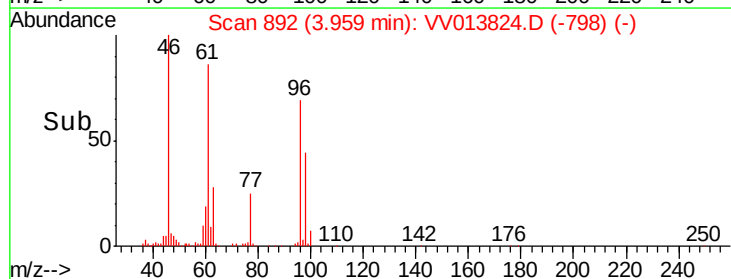
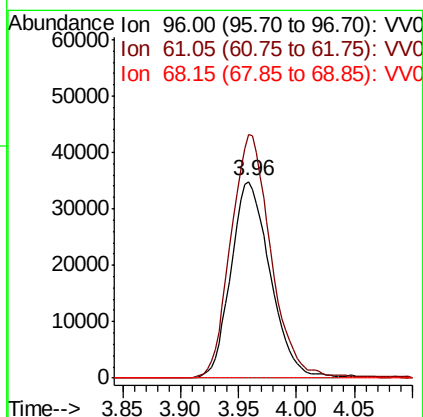
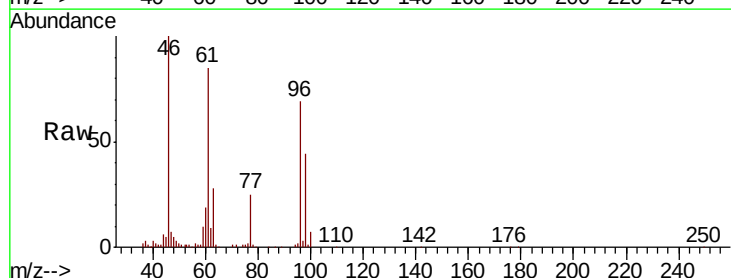
Instrument :
 MSVOA_V
 ClientSampleId :

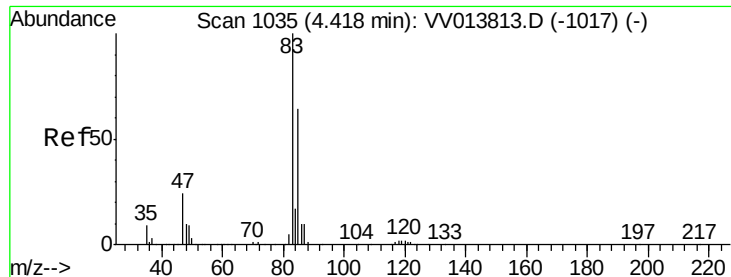
Tot Ion: 63 Resp: 84341
 Ion Ratio Lower Upper
 63 100
 65 33.5 22.7 42.1
 83 14.6 9.2 17.2



#22
 cis-1,2-Dichloroethene
 Concen: 3.762 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013824.D
 Acq: 27 Nov 2019 15:13

Tgt Ion: 96 Resp: 81781
 Ion Ratio Lower Upper
 96 100
 61 123.8 86.1 159.9
 68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.757 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VV013824.D

Acq: 27 Nov 2019 15:13

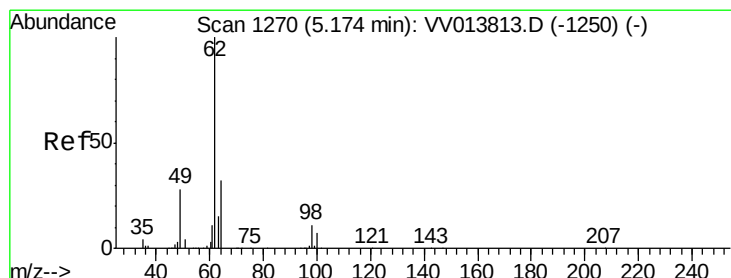
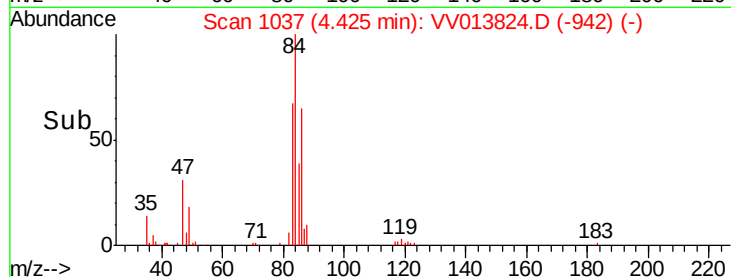
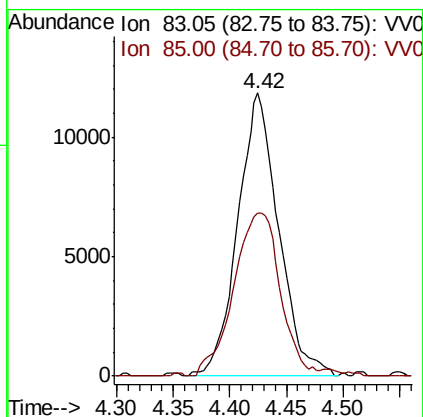
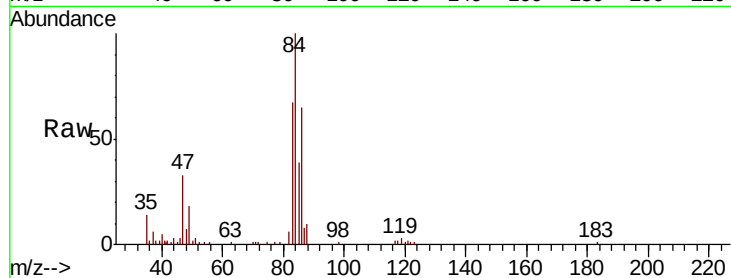
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 29706

Ion Ratio Lower Upper

83 100

85 57.6 45.1 83.7



#27

1,2-Dichloroethane

Concen: 0.051 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VV013824.D

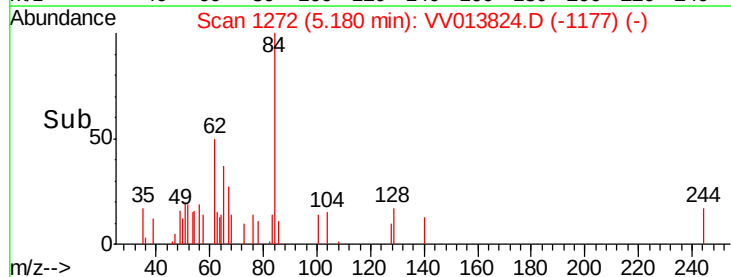
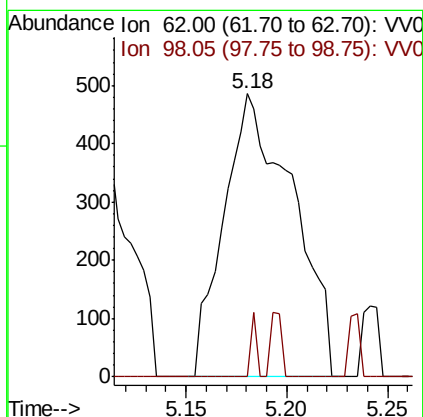
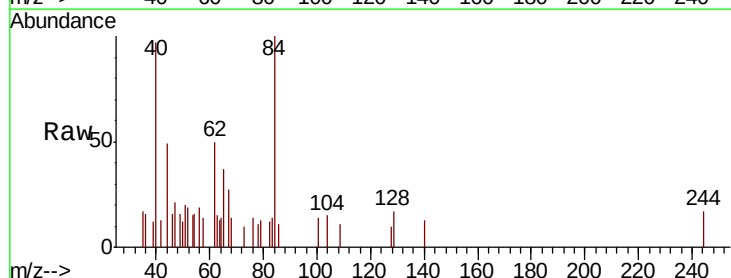
Acq: 27 Nov 2019 15:13

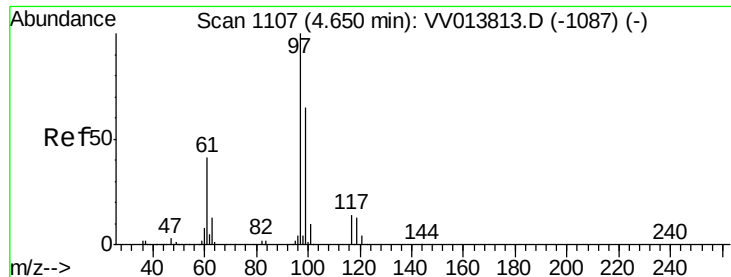
Tgt Ion: 62 Resp: 1153

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.2#

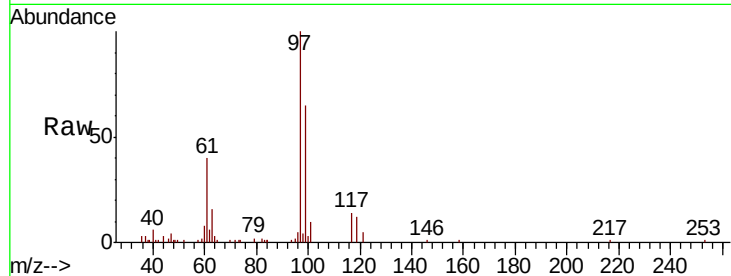




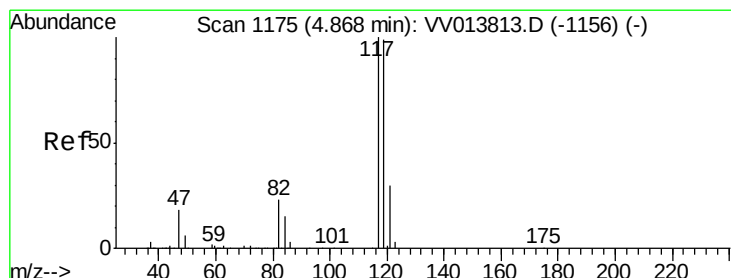
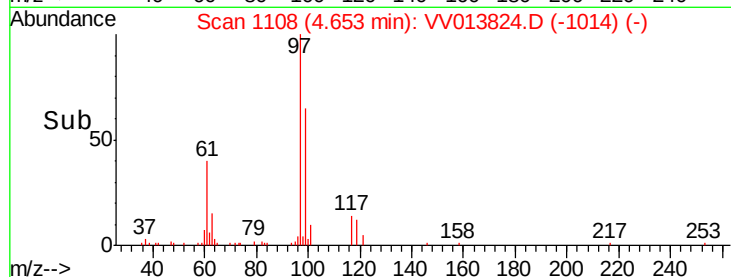
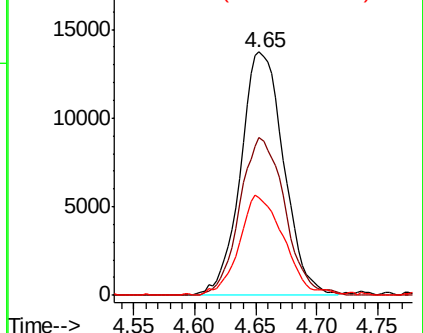
#29
 1,1,1-Trichloroethane
 Concen: 0.957 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV013824.D
 Acq: 27 Nov 2019 15:13

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 33534
 Ion Ratio Lower Upper
 97 100
 99 67.8 51.7 77.5
 61 42.6 35.0 52.6

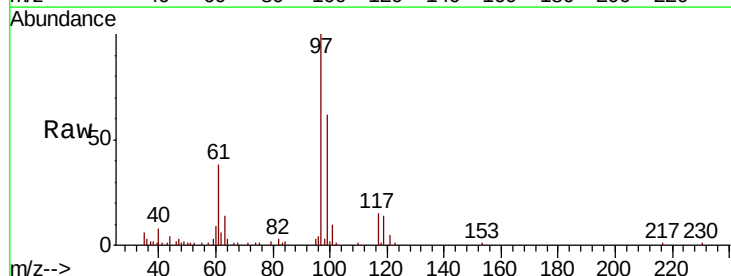


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

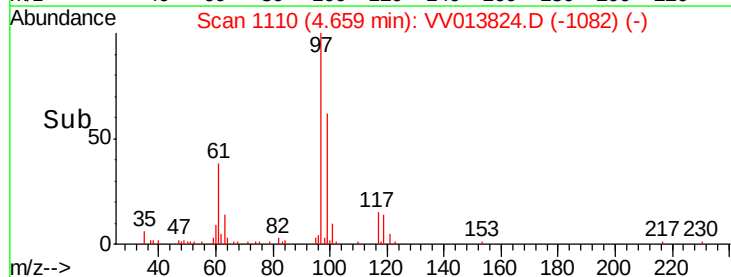
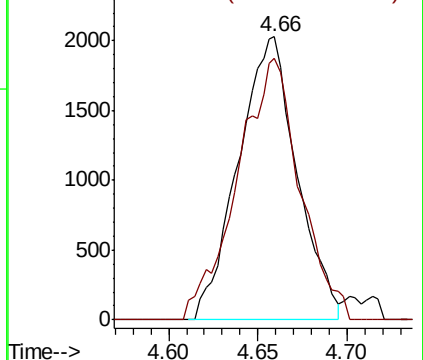


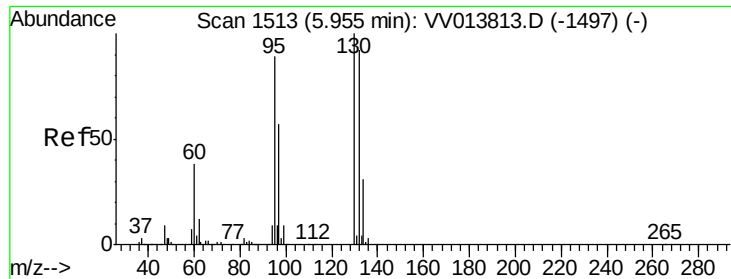
#31
 Carbon tetrachloride
 Concen: 0.151 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.21 min
 Lab File: VV013824.D
 Acq: 27 Nov 2019 15:13

Tgt Ion: 117 Resp: 4658
 Ion Ratio Lower Upper
 117 100
 119 98.4 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: 12.103 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013824.D

Acq: 27 Nov 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 280461

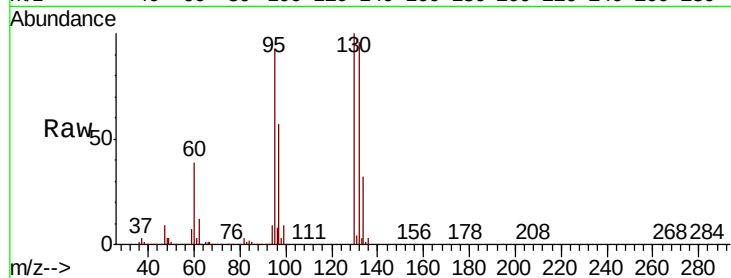
Ion Ratio Lower Upper

95 100

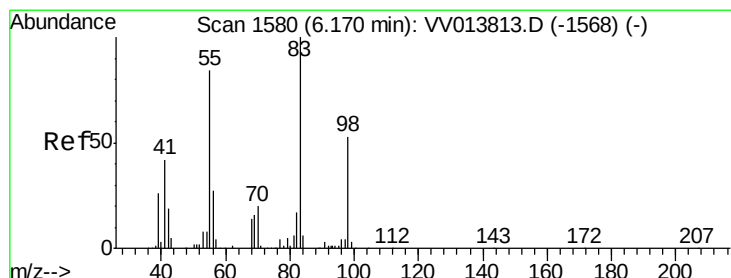
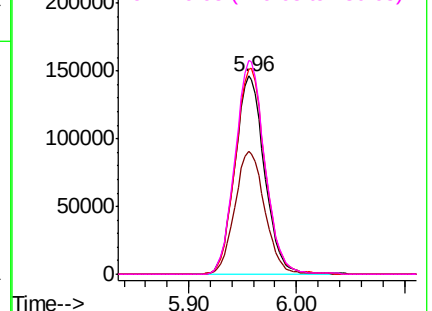
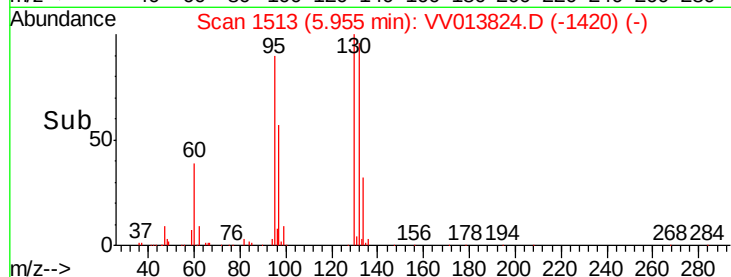
97 61.9 45.6 84.8

132 103.5 70.5 130.9

130 107.7 75.9 140.9



Abundance Ion 95.00 (94.70 to 95.70): VV013824.D (-1420) (-)



#35

Methylcyclohexane

Concen: 0.859 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV013824.D

Acq: 27 Nov 2019 15:13

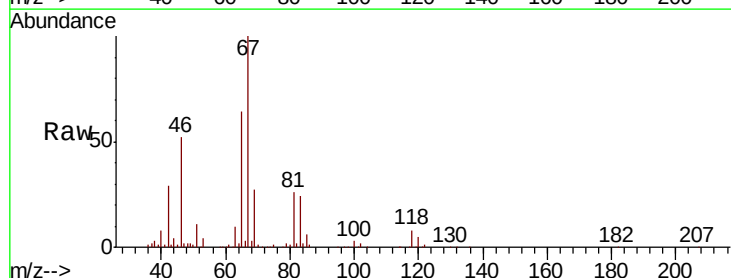
Tgt Ion: 83 Resp: 26573

Ion Ratio Lower Upper

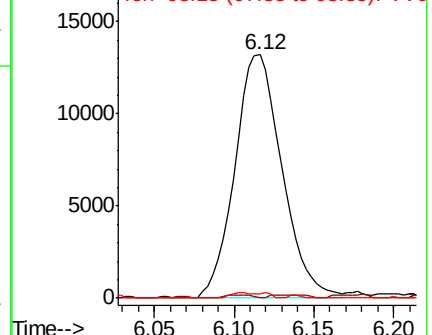
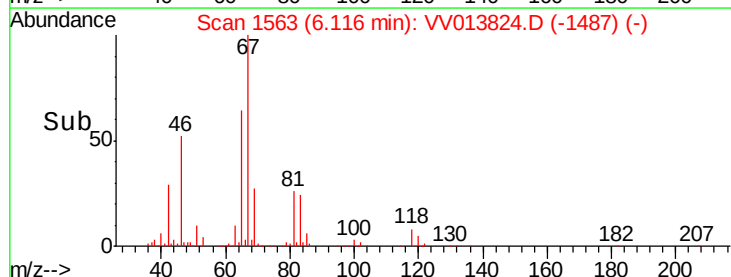
83 100

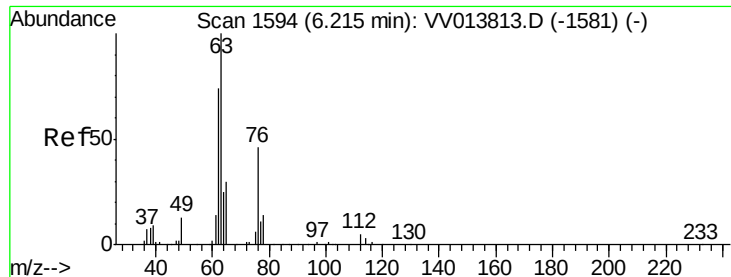
55 0.5 60.3 90.5#

98 0.0 38.1 57.1#



Abundance Ion 83.15 (82.85 to 83.85): VV013824.D (-1487) (-)

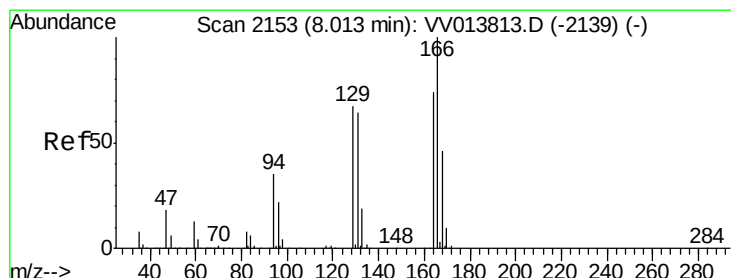
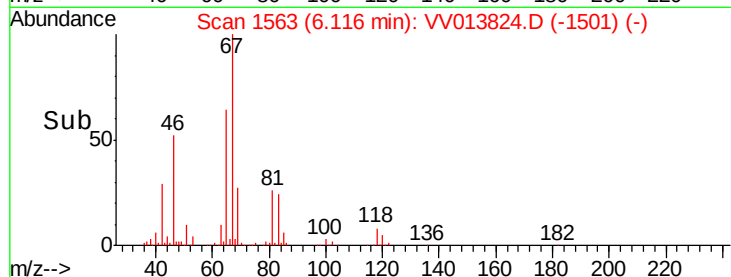
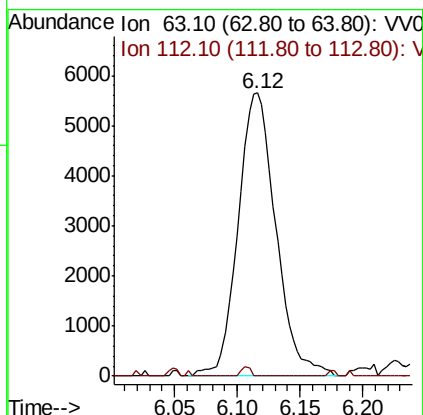
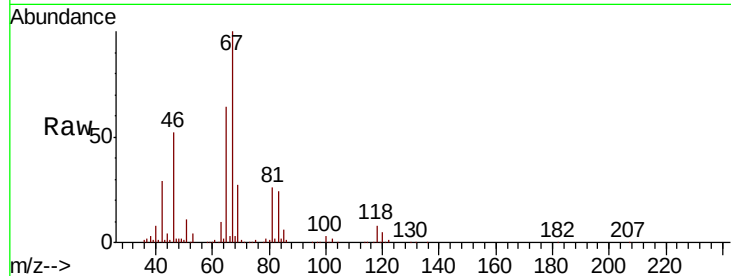




#37
 1,2-Dichloropropane
 Concen: 0.548 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV013824.D
 Acq: 27 Nov 2019 15:13

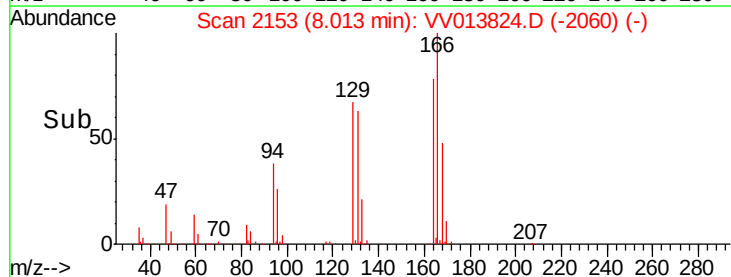
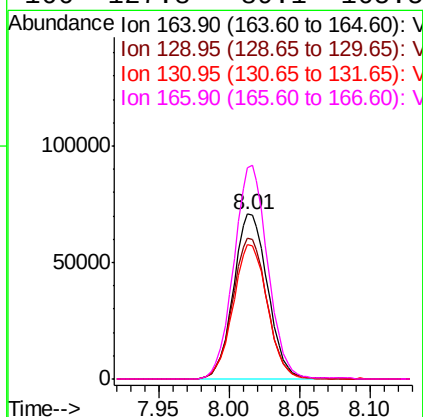
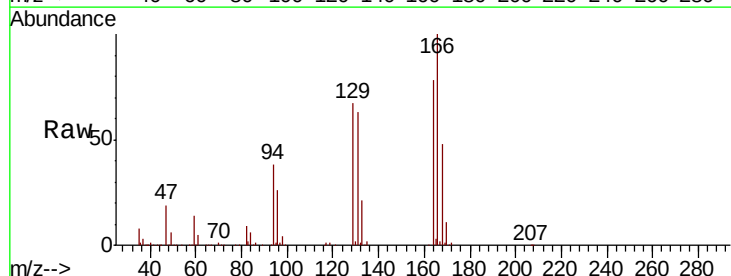
Instrument :
 MSVOA_V
 ClientSampleId :

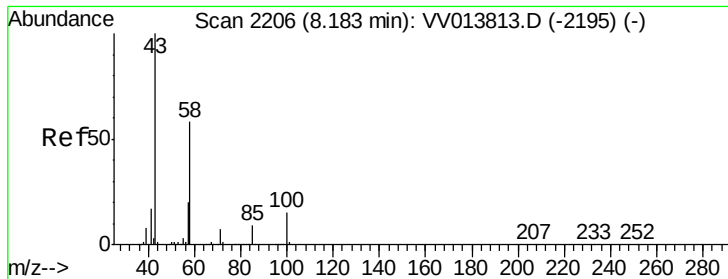
Tot Ion: 63 Resp: 11829
 Ion Ratio Lower Upper
 63 100
 112 0.8 4.4 6.6#



#47
 Tetrachloroethene
 Concen: 5.987 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV013824.D
 Acq: 27 Nov 2019 15:13

Tgt Ion: 164 Resp: 120462
 Ion Ratio Lower Upper
 164 100
 129 85.3 60.3 112.1
 131 81.1 59.9 111.3
 166 127.8 89.1 165.5

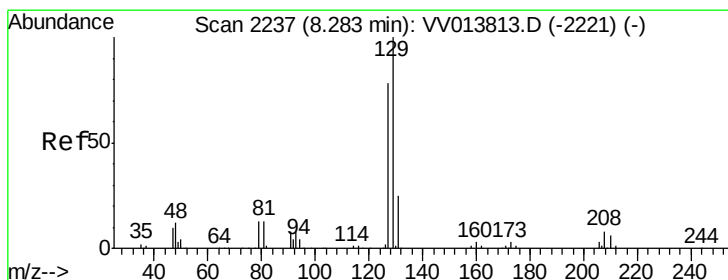
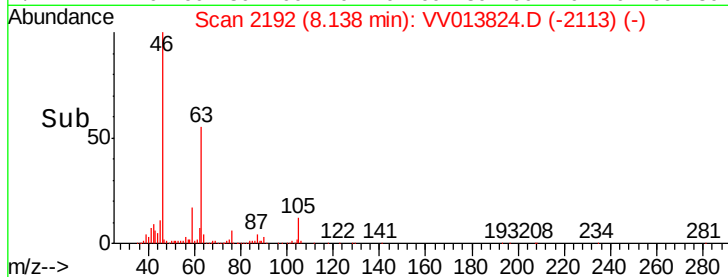
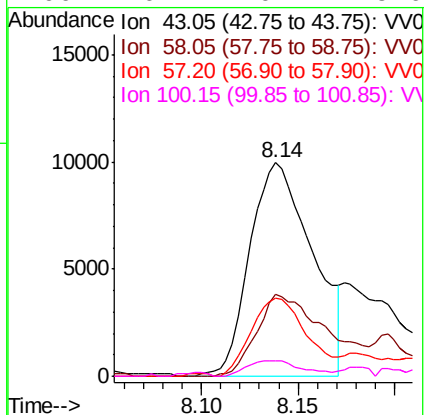
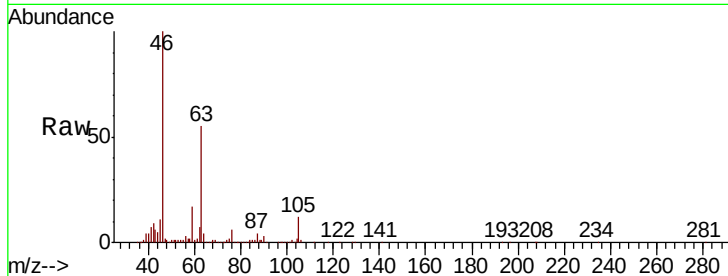




#48
2-Hexanone
Concen: 2.514 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.04 min
Lab File: VV013824.D
Acq: 27 Nov 2019 15:13

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.7	43.2	64.8
57	32.6	15.4	23.2
100	6.4	10.4	15.6



#49
Dibromochloromethane
Concen: 5.092 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. -0.27 min
Lab File: VV013824.D
Acq: 27 Nov 2019 15:13

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.7	103.5

