

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112719\
 Data File : VV013819.D
 Acq On : 27 Nov 2019 13:14
 Operator : SY/MD
 Sample : K6004-06
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 28 02:56:34 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	320298	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	311650	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	136831	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77323	3.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.00%
7) Chloroethane-d5	1.58	69	79352	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.13	63	113073	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	3.92	46	249341	60.50	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.00%
24) Chloroform-d	4.40	84	177627	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.08	65	99550	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.10	84	351973	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.11	67	114923	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.36	98	273163	3.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.40%
43) trans-1,3-Dichloropropene-	7.66	79	37713	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	8.13	63	181460	52.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.50%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	96655	5.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	128267	5.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

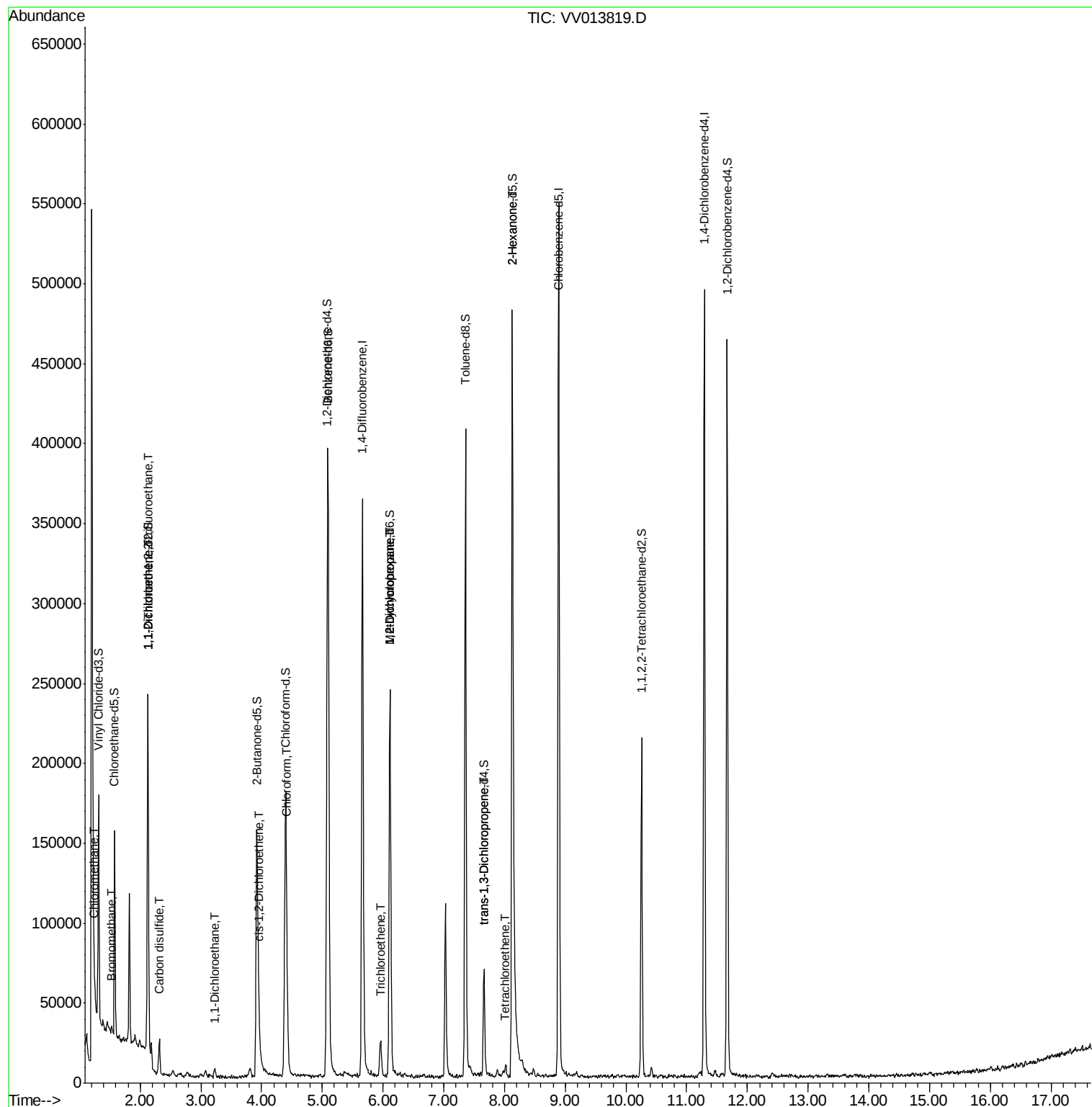
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	5983	0.319	ug/L	87
6) Bromomethane	1.53	94	2068	0.205	ug/L	84
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1543	0.087	ug/L #	24
12) 1,1-Dichloroethene	2.14	96	3340	0.217	ug/L #	1
14) Carbon disulfide	2.32	76	23158	0.651	ug/L #	94
19) 1,1-Dichloroethane	3.23	63	4181	0.120	ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	2437	0.120	ug/L	96
25) Chloroform	4.42	83	18128	0.493	ug/L	98
34) Trichloroethene	5.96	95	7283	0.345	ug/L	91
35) Methylcyclohexane	6.11	83	28617	1.017	ug/L #	20
37) 1,2-Dichloropropane	6.11	63	13333	0.679	ug/L #	85
44) trans-1,3-Dichloropropene	7.67	75	1805	0.083	ug/L	90
47) Tetrachloroethene	8.02	164	1814	0.099	ug/L #	72
48) 2-Hexanone	8.13	43	21392	2.614	ug/L #	79

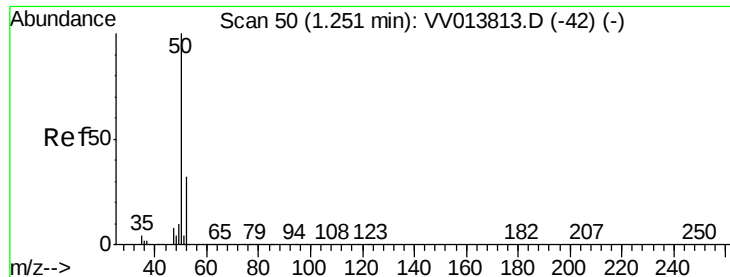
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.319 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013819.D

Acq: 27 Nov 2019 13:14

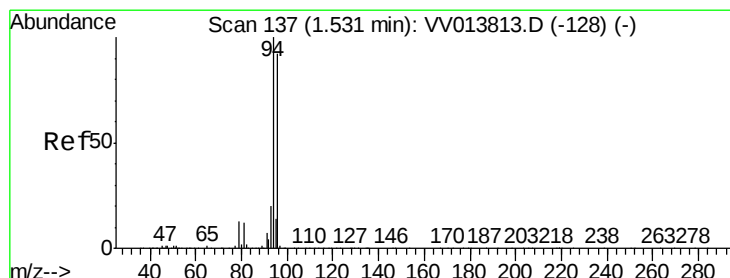
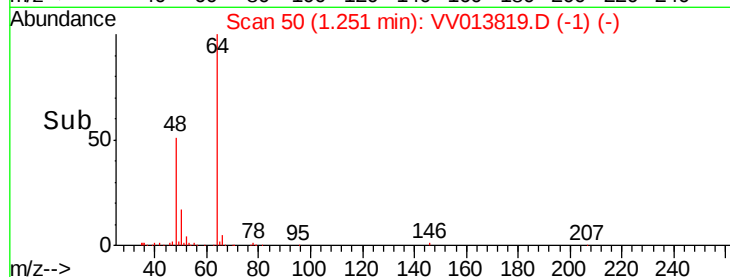
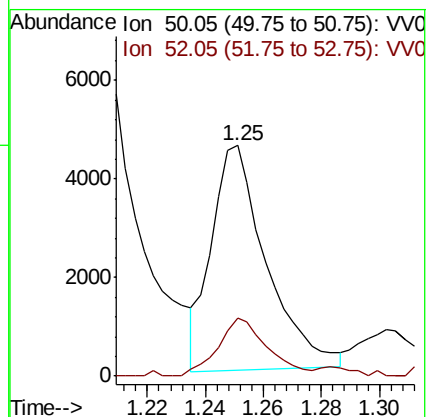
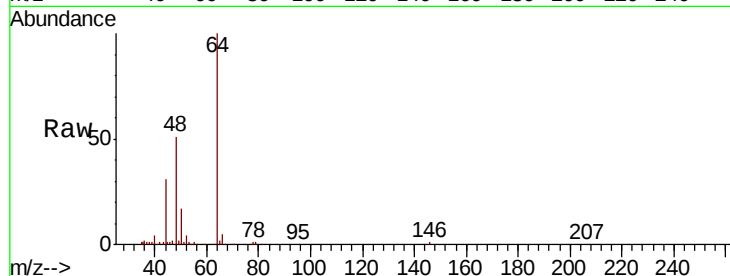
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 5983

Ion Ratio Lower Upper

50 100

52 25.0 22.5 41.7



#6

Bromomethane

Concen: 0.205 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV013819.D

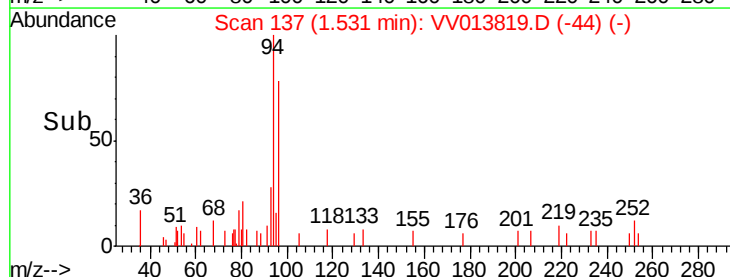
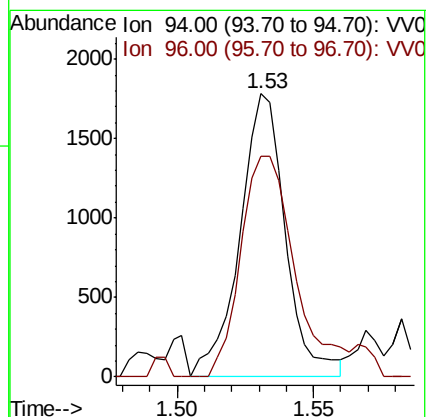
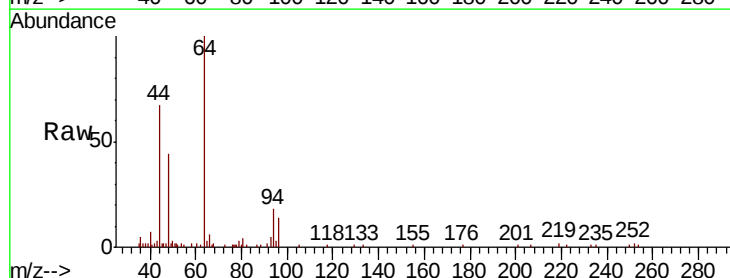
Acq: 27 Nov 2019 13:14

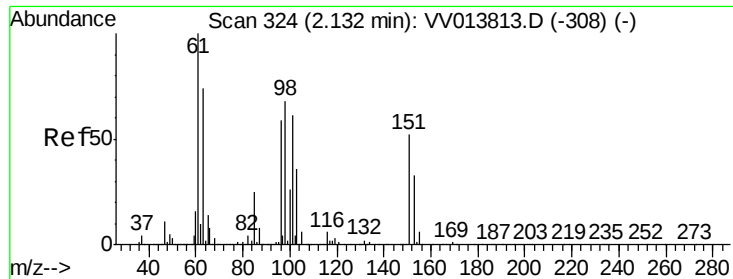
Tgt Ion: 94 Resp: 2068

Ion Ratio Lower Upper

94 100

96 77.8 65.2 121.0





#10

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

Concen: 0.087 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013819.D

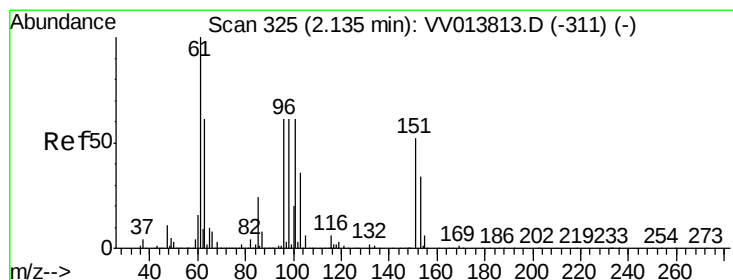
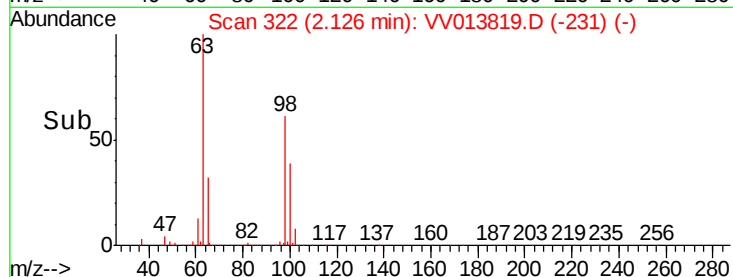
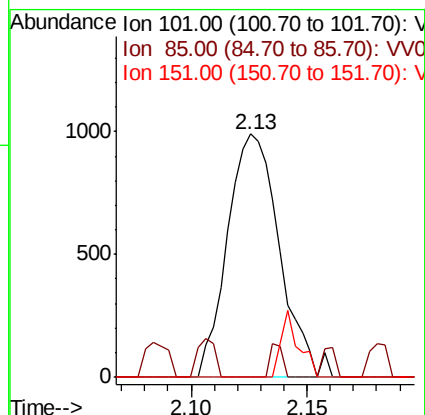
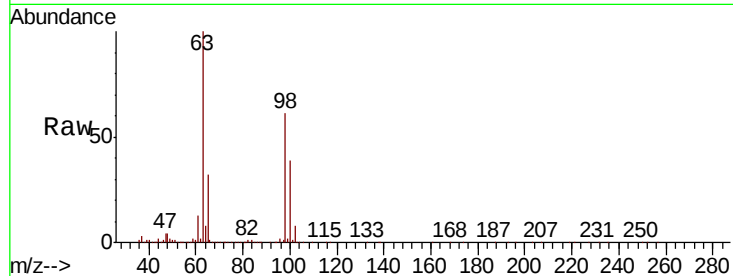
Acq: 27 Nov 2019 13:14

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:	101	Resp:	1543
Ion	Ratio	Lower	Upper
101	100		
85	3.3	33.4	50.0#
151	9.3	69.4	104.0#



#12

1,1-Dichloroethene

Concen: 0.217 ug/L

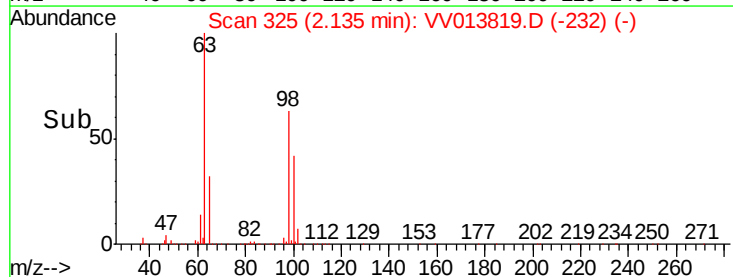
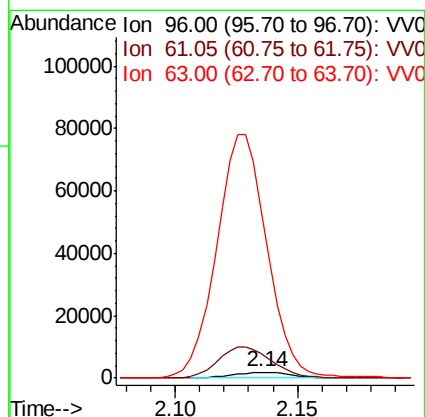
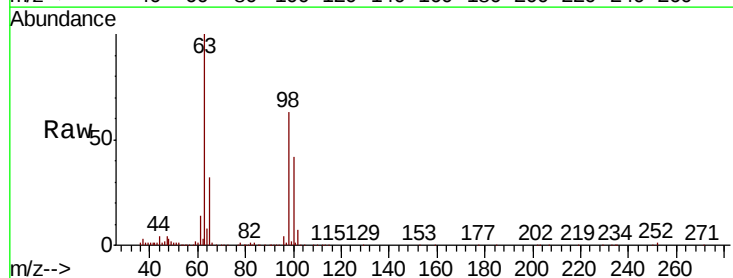
RT: 2.14 min Scan# 325

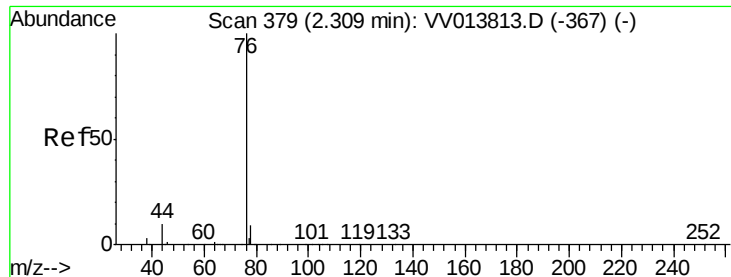
Delta R.T. 0.00 min

Lab File: VV013819.D

Acq: 27 Nov 2019 13:14

Tgt Ion:	96	Resp:	3340
Ion	Ratio	Lower	Upper
96	100		
61	405.6	116.3	215.9#
63	2830.7	96.7	179.7#





#14

Carbon disulfide

Concen: 0.651 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV013819.D

Acq: 27 Nov 2019 13:14

Instrument :

MSVOA_V

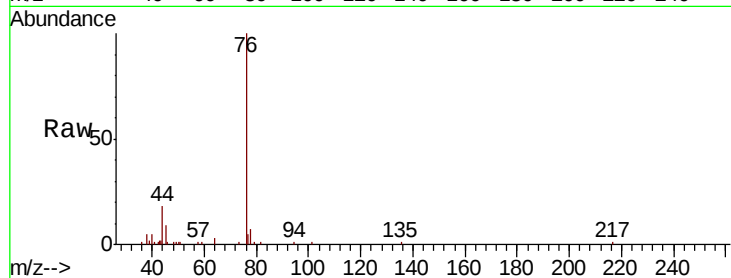
ClientSampleId :

Tot Ion: 76 Resp: 23158

Ion Ratio Lower Upper

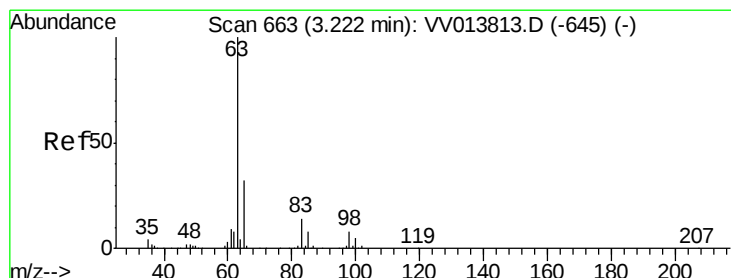
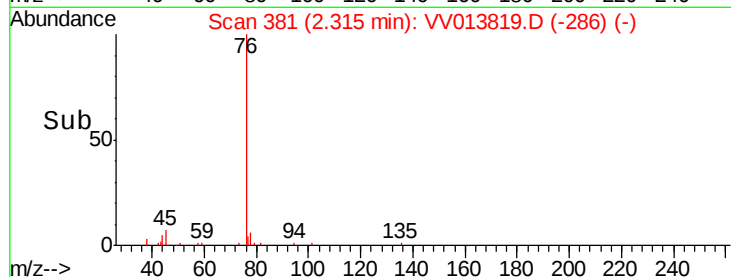
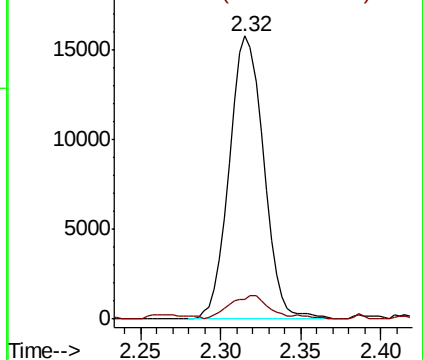
76 100

78 7.2 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#19

1,1-Dichloroethane

Concen: 0.120 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV013819.D

Acq: 27 Nov 2019 13:14

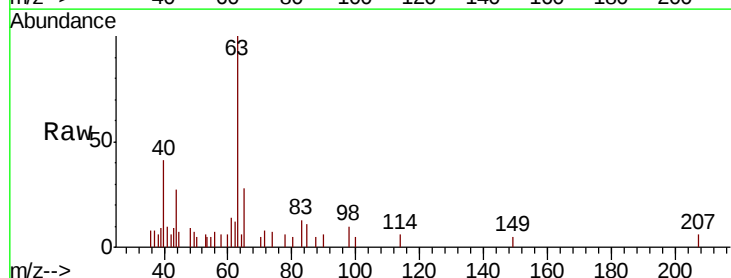
Tgt Ion: 63 Resp: 4181

Ion Ratio Lower Upper

63 100

65 28.0 22.7 42.1

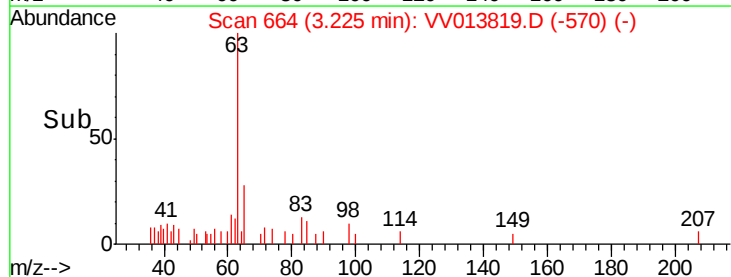
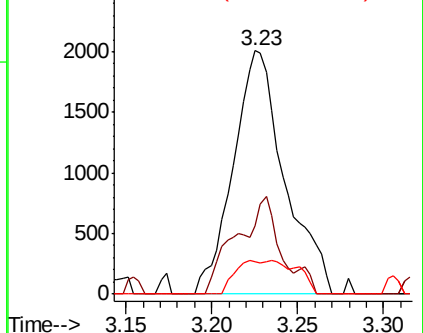
83 13.1 9.2 17.2

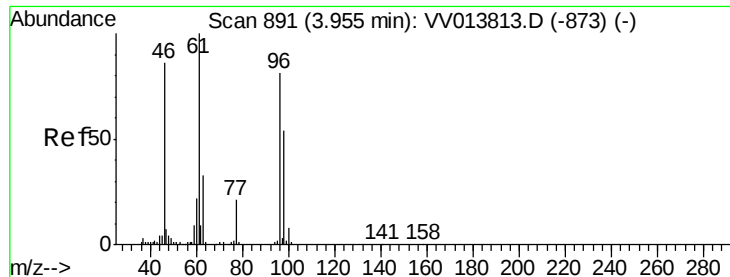


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



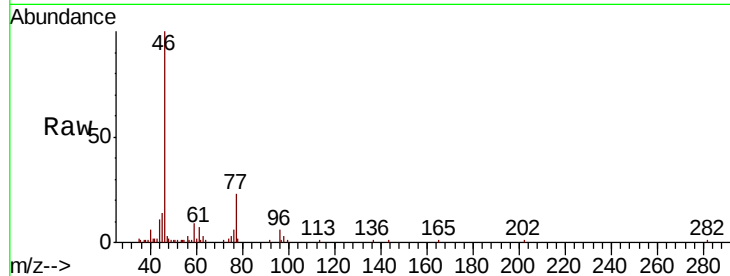


#22

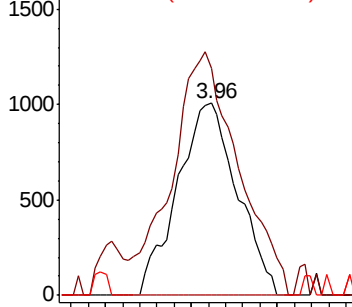
cis-1,2-Dichloroethene
Concen: 0.120 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.01 min
Lab File: VV013819.D
Acq: 27 Nov 2019 13:14

Instrument :
MSVOA_V
ClientSampleId :

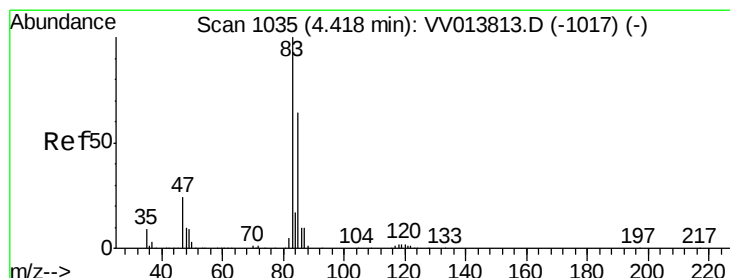
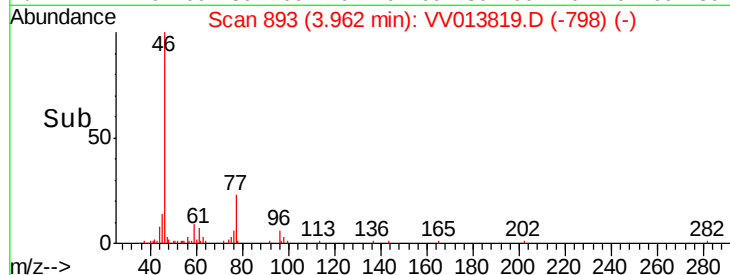
Tot Ion: 96 Resp: 2437
Ion Ratio Lower Upper
96 100
61 118.4 86.1 159.9
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



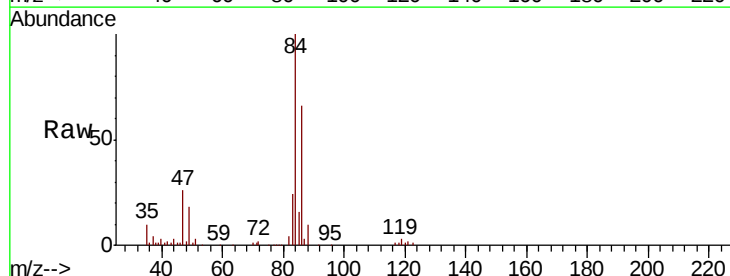
Time-->



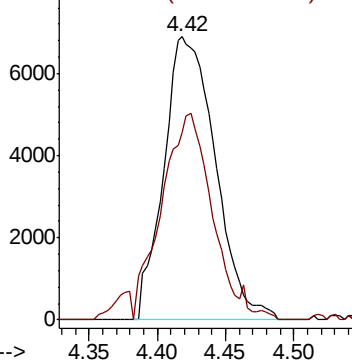
#25

Chloroform
Concen: 0.493 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV013819.D
Acq: 27 Nov 2019 13:14

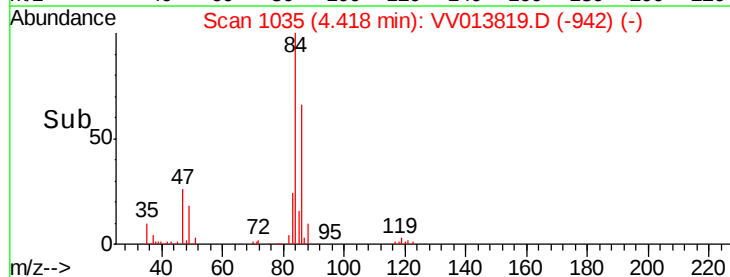
Tgt Ion: 83 Resp: 18128
Ion Ratio Lower Upper
83 100
85 66.1 45.1 83.7

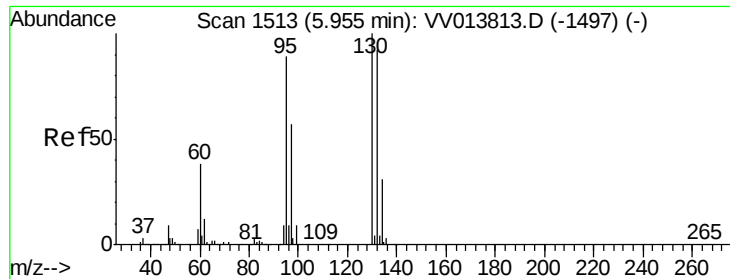


Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0



Time-->

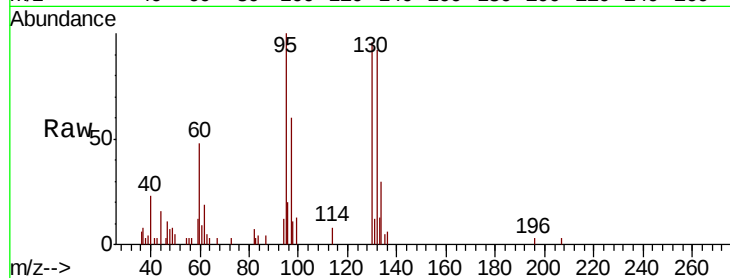




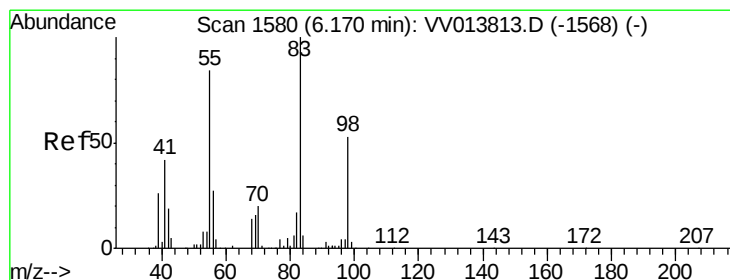
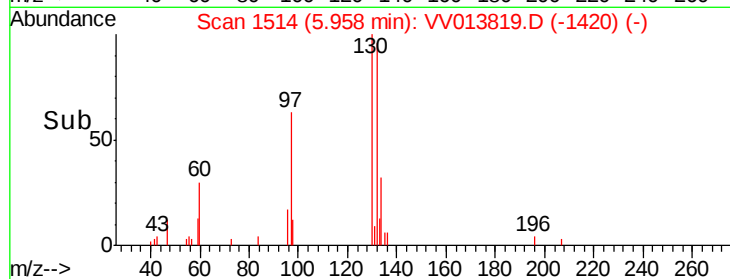
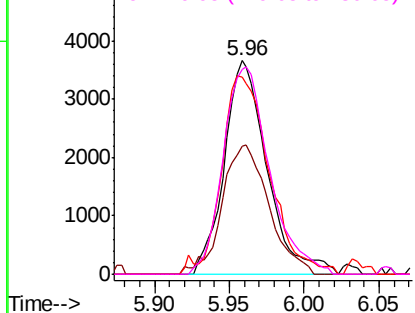
#34
 Trichloroethene
 Concen: 0.345 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV013819.D
 Acq: 27 Nov 2019 13:14

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 7283
 Ion Ratio Lower Upper
 95 100
 97 60.1 45.6 84.8
 132 92.3 70.5 130.9
 130 96.0 75.9 140.9

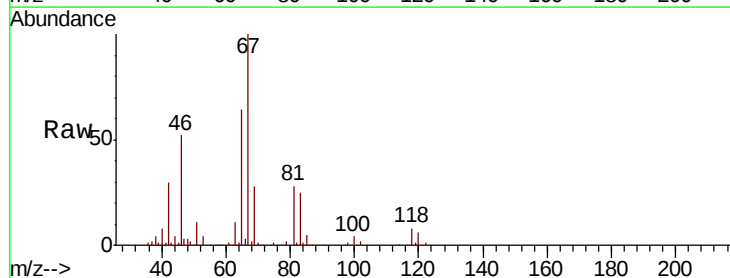


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

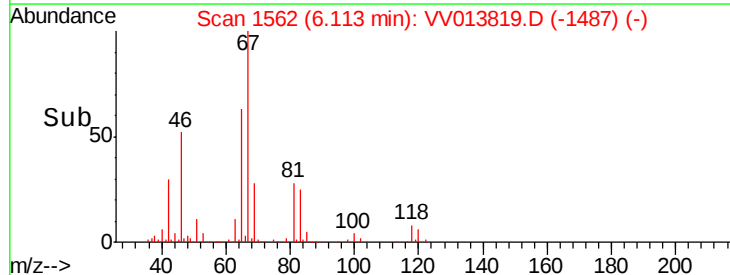
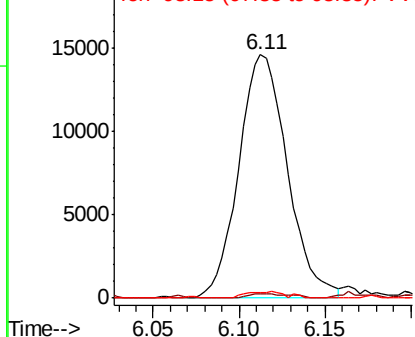


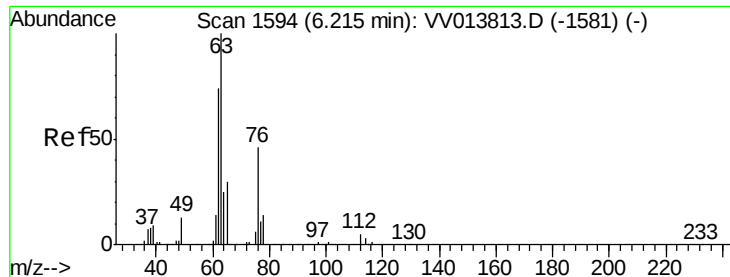
#35
 Methylcyclohexane
 Concen: 1.017 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.06 min
 Lab File: VV013819.D
 Acq: 27 Nov 2019 13:14

Tgt Ion: 83 Resp: 28617
 Ion Ratio Lower Upper
 83 100
 55 1.0 60.3 90.5#
 98 1.8 38.1 57.1#



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: 0.679 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV013819.D

Acq: 27 Nov 2019 13:14

Instrument :

MSVOA_V

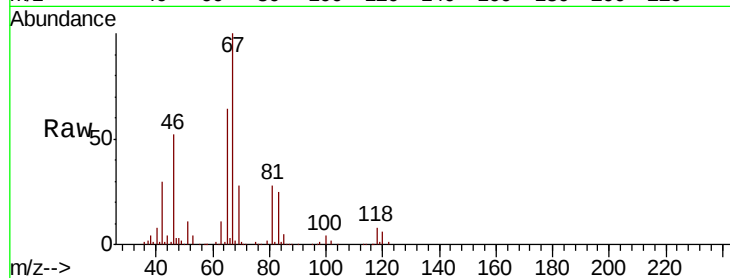
ClientSampleId :

Tot Ion: 63 Resp: 13333

Ion Ratio Lower Upper

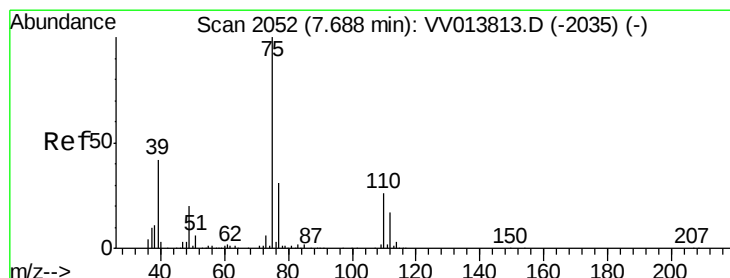
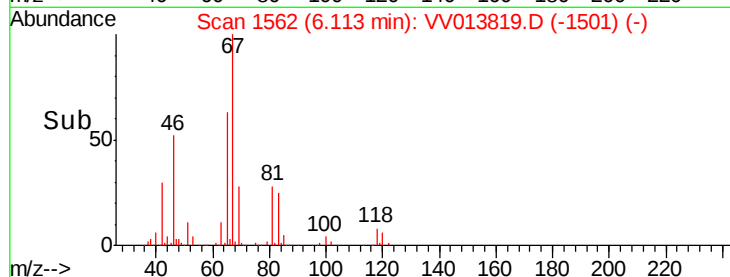
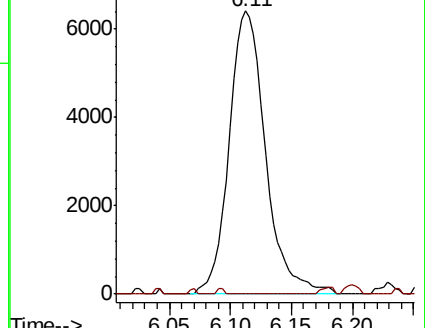
63 100

112 0.4 4.4 6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV013813.D (-1581) (-)

Ion 112.10 (111.80 to 112.80): VV013813.D (-1581) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.02 min

Lab File: VV013819.D

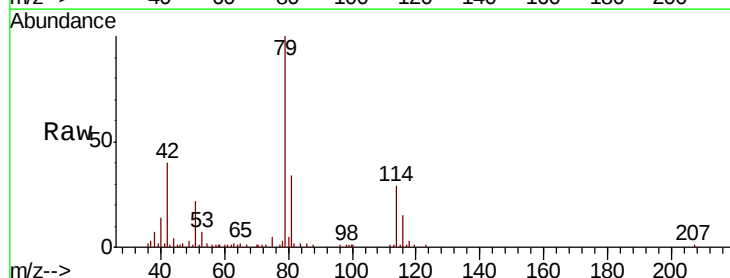
Acq: 27 Nov 2019 13:14

Tgt Ion: 75 Resp: 1805

Ion Ratio Lower Upper

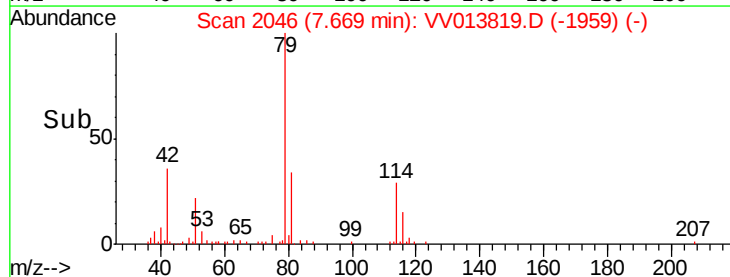
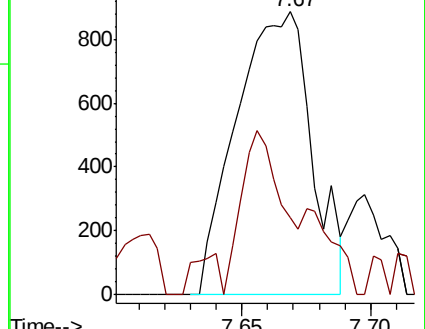
75 100

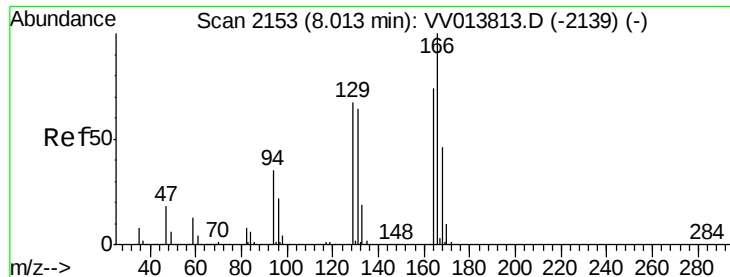
77 27.1 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV013813.D (-2035) (-)

Ion 77.05 (76.75 to 77.75): VV013813.D (-2035) (-)





#47

Tetrachloroethene

Concen: 0.099 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013819.D

Acq: 27 Nov 2019 13:14

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:164 Resp: 1814

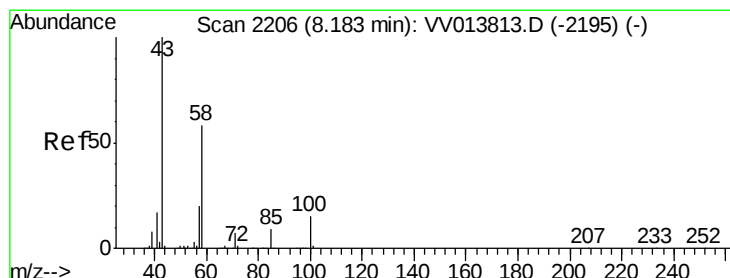
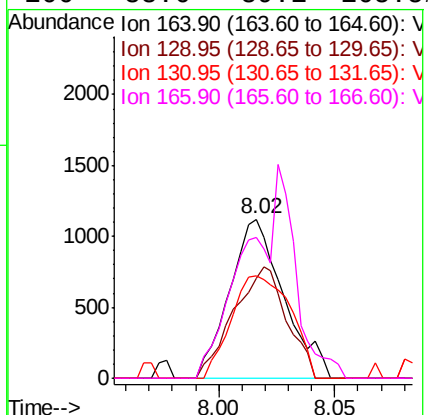
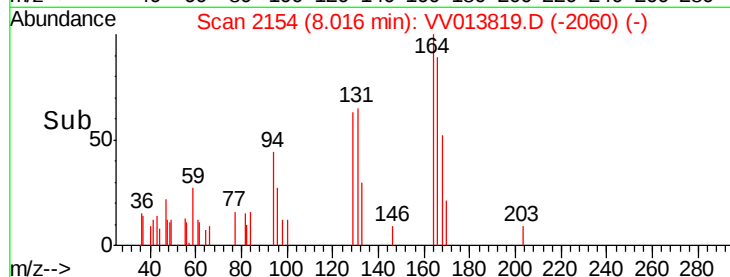
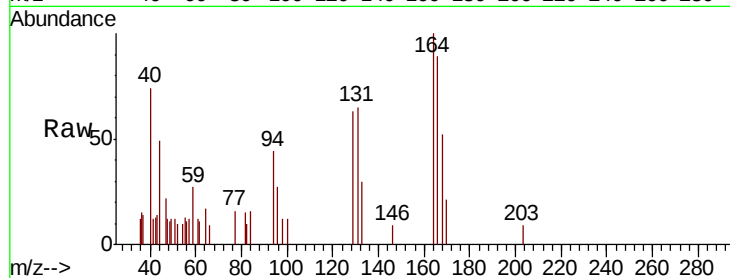
Ion Ratio Lower Upper

164 100

129 62.8 60.3 112.1

131 64.6 59.9 111.3

166 88.6 89.1 165.5#



#48

2-Hexanone

Concen: 2.614 ug/L

RT: 8.13 min Scan# 2190

Delta R.T. -0.05 min

Lab File: VV013819.D

Acq: 27 Nov 2019 13:14

Tgt Ion: 43 Resp: 21392

Ion Ratio Lower Upper

43 100

58 41.9 43.2 64.8#

57 35.7 15.4 23.2#

100 5.6 10.4 15.6#

