

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\
 Data File : VV013794.D
 Acq On : 26 Nov 2019 18:28
 Operator : SY/MD
 Sample : K5993-05MSD
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 27 03:12:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 27 03:09:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	326956	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	314680	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	138176	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	76216	3.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.40%
7) Chloroethane-d5	1.58	69	75373	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.13	63	176622	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.60%
20) 2-Butanone-d5	3.96	46	241550	57.42	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.84%
24) Chloroform-d	4.40	84	155035	3.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.00%
26) 1,2-Dichloroethane-d4	5.08	65	99630	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.09	84	352260	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
36) 1,2-Dichloropropane-d6	6.11	67	115319	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.36	98	291220	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.40%
43) trans-1,3-Dichloropropene-	7.66	79	42792	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.14	63	198342	57.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.20%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	92091	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	122201	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1404	0.078 ug/L #	31
12) 1,1-Dichloroethene	2.13	96	129510	8.239 ug/L	84
13) Acetone	2.22	43	3627	1.233 ug/L	83
25) Chloroform	4.42	83	34362	0.915 ug/L	95
27) 1,2-Dichloroethane	5.14	62	4122	0.192 ug/L #	73
29) 1,1,1-Trichloroethane	4.66	97	22194	0.689 ug/L	96
33) Benzene	5.14	78	488700	6.331 ug/L	100
34) Trichloroethene	5.95	95	125139	5.877 ug/L	97
35) Methylcyclohexane	6.12	83	29201	1.028 ug/L #	20
37) 1,2-Dichloropropane	6.11	63	13216	0.666 ug/L #	85
42) Toluene	7.43	91	502270	6.066 ug/L	100
47) Tetrachloroethene	8.02	164	150206	8.124 ug/L	98
48) 2-Hexanone	8.14	43	23341	2.825 ug/L #	81
49) Dibromochloromethane	8.01	129	127629	7.038 ug/L #	10
51) Chlorobenzene	8.92	112	332835	5.778 ug/L	99

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QLast Update : Wed Nov 27 03:09:16 2019
Response via : Initial Calibration

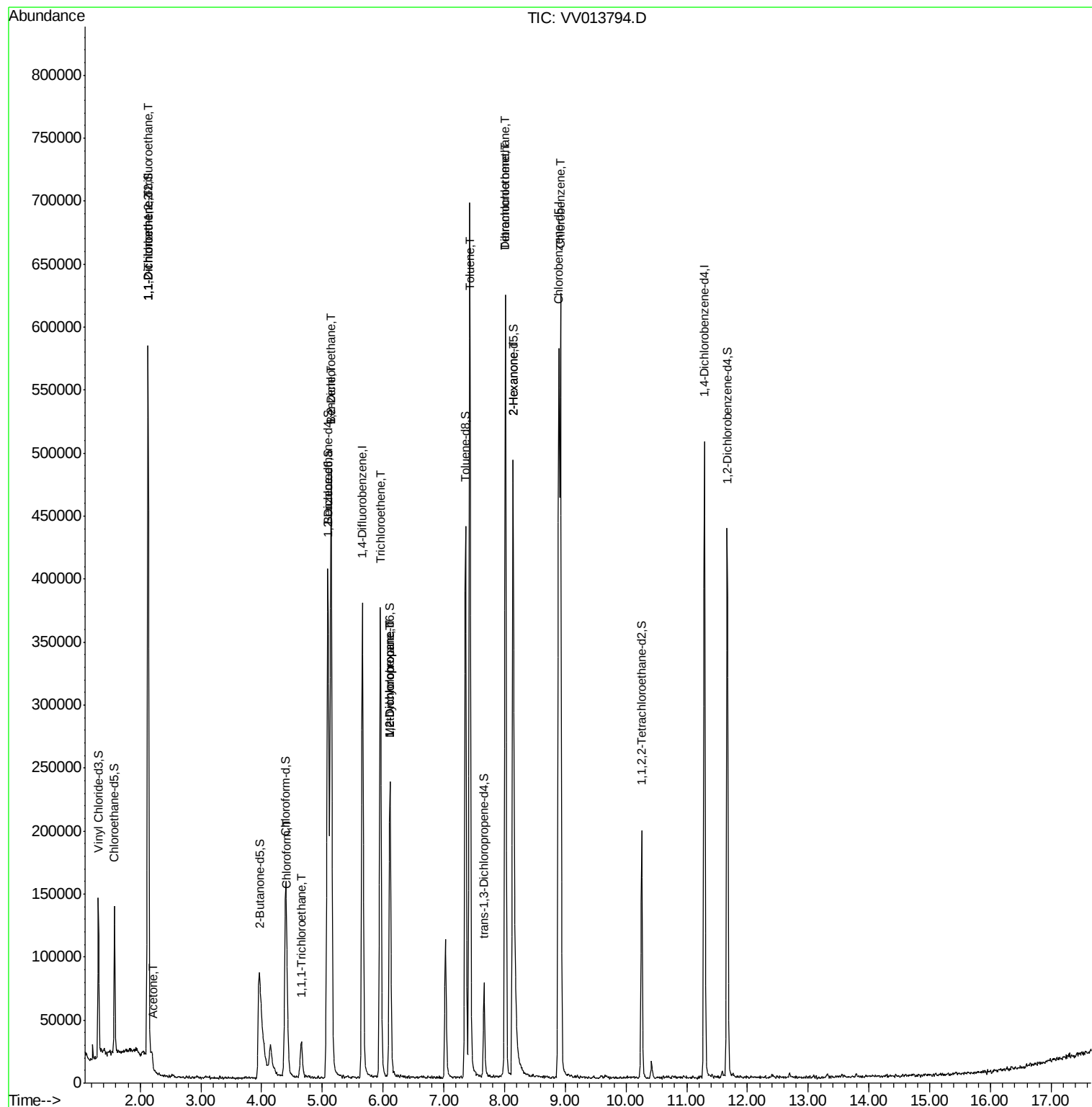
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

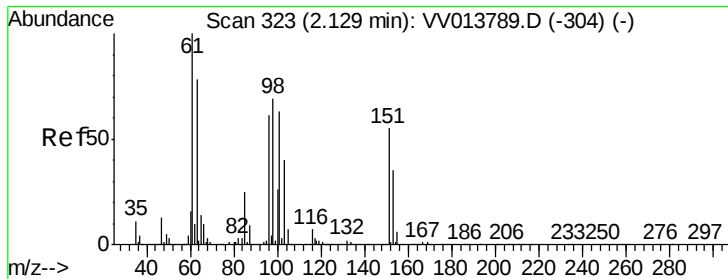
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV112619\
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 27 03:09:16 2019
Response via : Initial Calibration





#10

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

Concen: 0.078 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV013794.D

Acq: 26 Nov 2019 18:28

Instrument :

MSVOA_V

ClientSampleId :

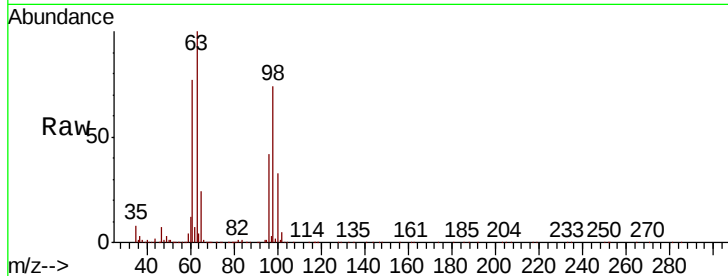
Tot Ion:101 Resp: 1404

Ion Ratio Lower Upper

101 100

85 26.1 33.4 50.0#

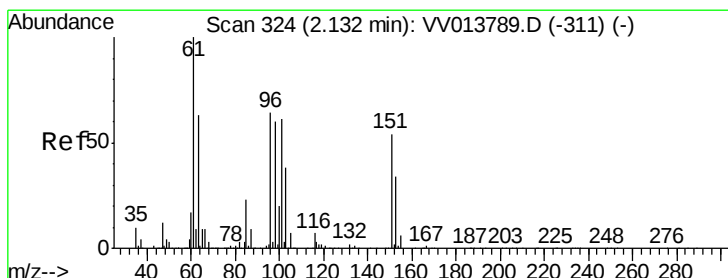
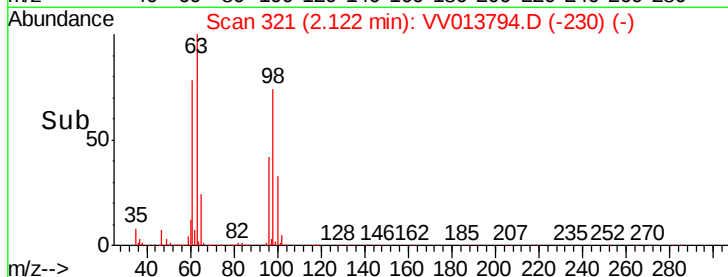
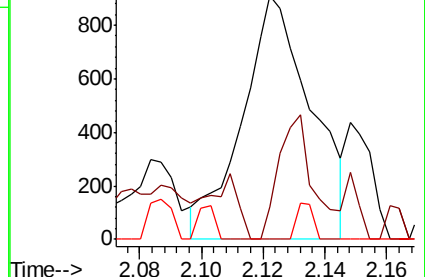
151 3.7 69.4 104.0#



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: 8.239 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013794.D

Acq: 26 Nov 2019 18:28

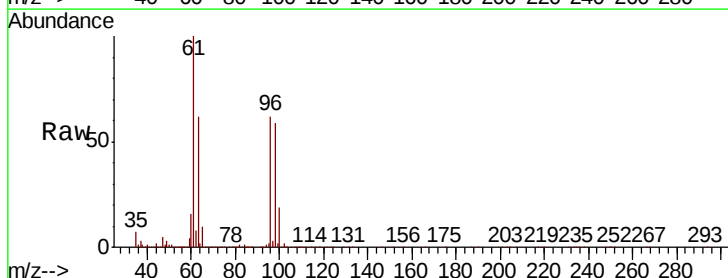
Tgt Ion: 96 Resp: 129510

Ion Ratio Lower Upper

96 100

61 161.9 116.3 215.9

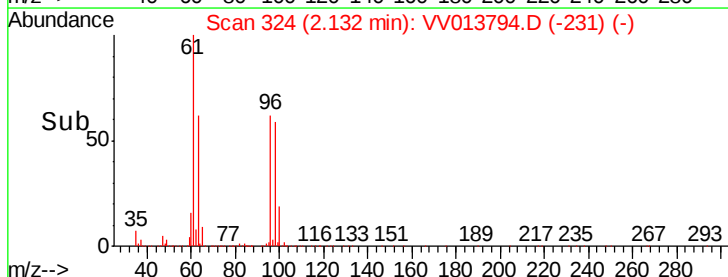
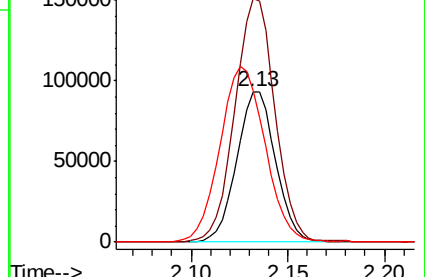
63 100.4 96.7 179.7

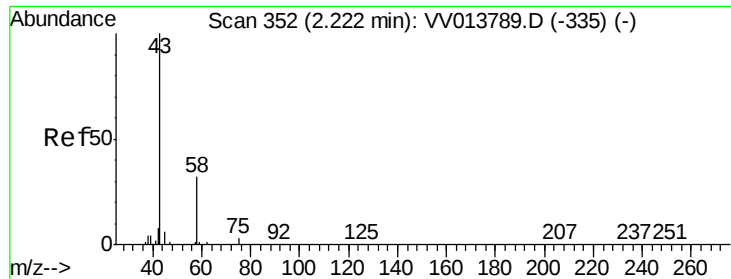


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.233 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.00 min

Lab File: VV013794.D

Acq: 26 Nov 2019 18:28

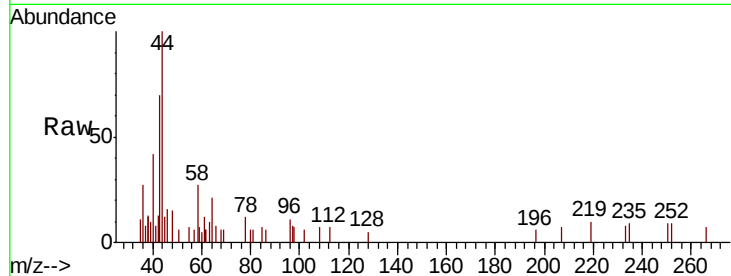
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 3627

Ion Ratio Lower Upper

43 100

58 20.3 0.0 27.2



Abundance Ion 43.05 (42.75 to 43.75): VV013789.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV013789.D (-335) (-)

1500

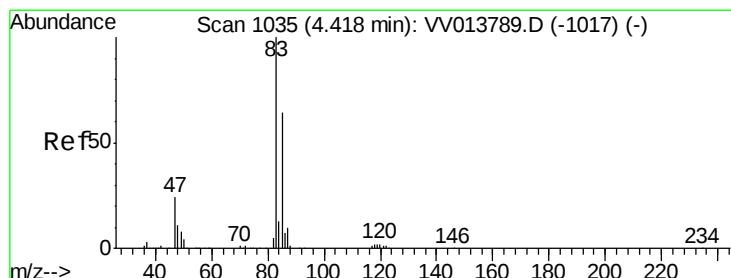
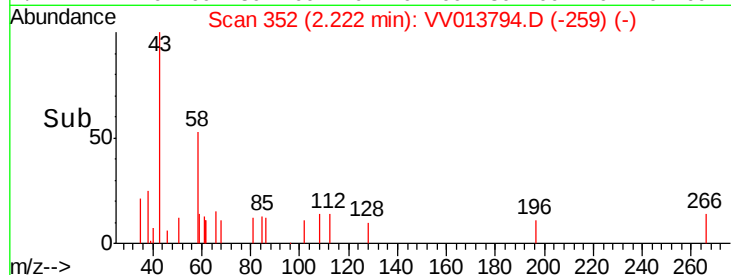
1000

500

0

2.15 2.20 2.25 2.30

Time-->



#25

Chloroform

Concen: 0.915 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV013794.D

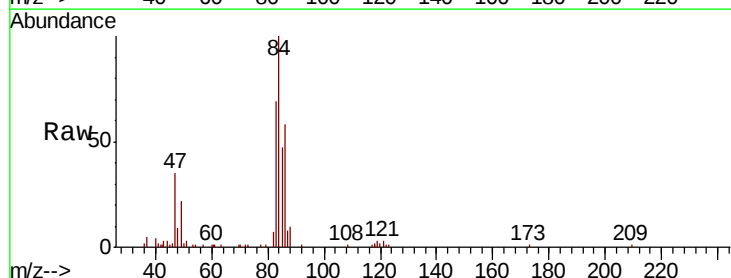
Acq: 26 Nov 2019 18:28

Tgt Ion: 83 Resp: 34362

Ion Ratio Lower Upper

83 100

85 68.6 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV013789.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV013789.D (-1017) (-)

15000

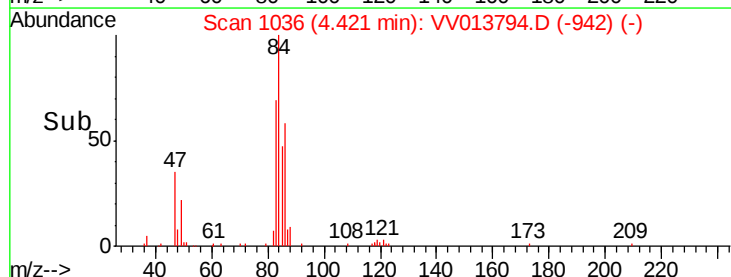
10000

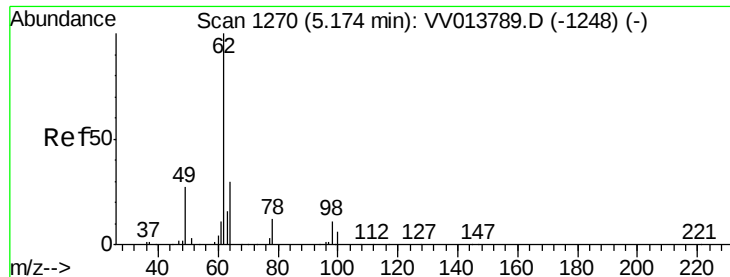
5000

0

4.35 4.40 4.45 4.50

Time-->





#27

1,2-Dichloroethane

Concen: 0.192 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. -0.03 min

Lab File: VV013794.D

Acq: 26 Nov 2019 18:28

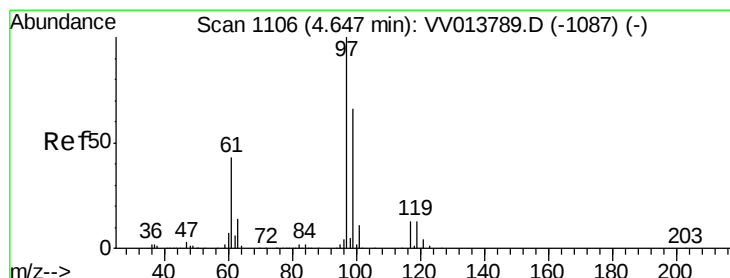
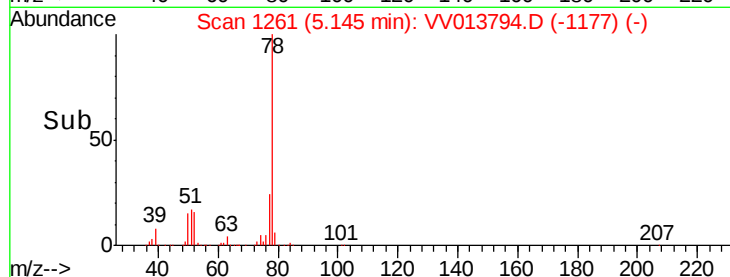
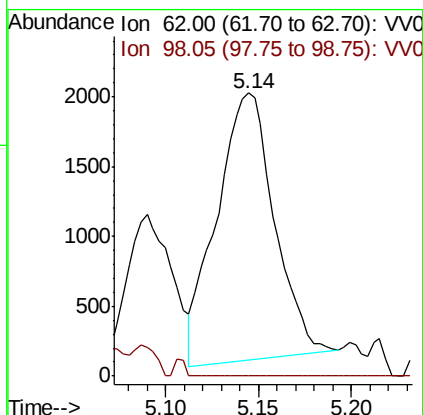
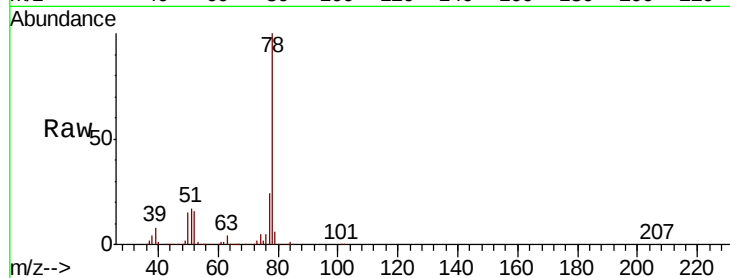
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 4122

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.2#



#29

1,1,1-Trichloroethane

Concen: 0.689 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VV013794.D

Acq: 26 Nov 2019 18:28

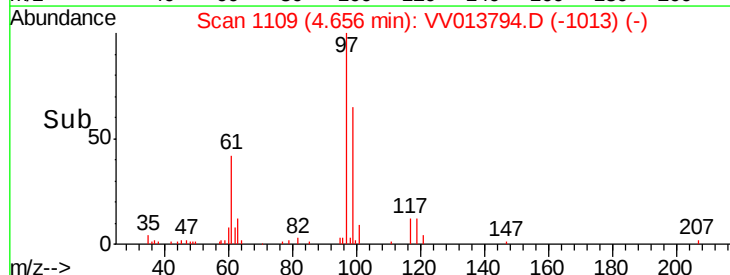
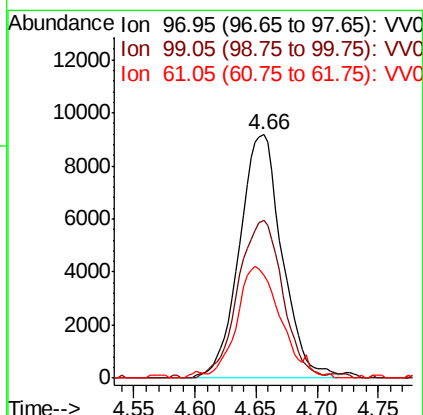
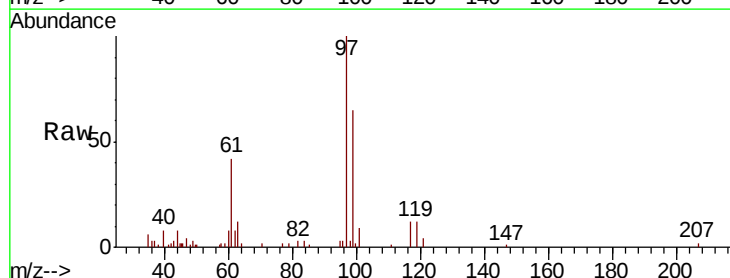
Tgt Ion: 97 Resp: 22194

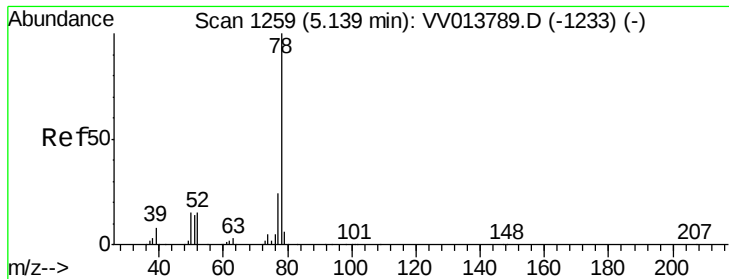
Ion Ratio Lower Upper

97 100

99 67.8 51.7 77.5

61 47.0 35.0 52.6

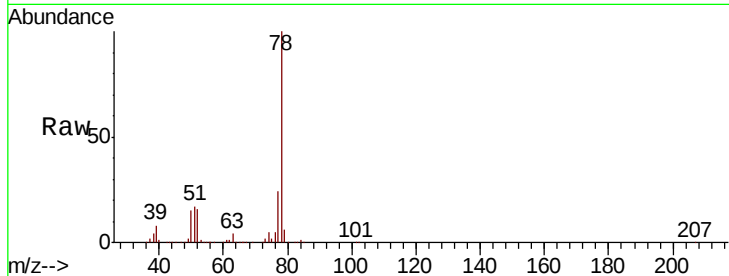




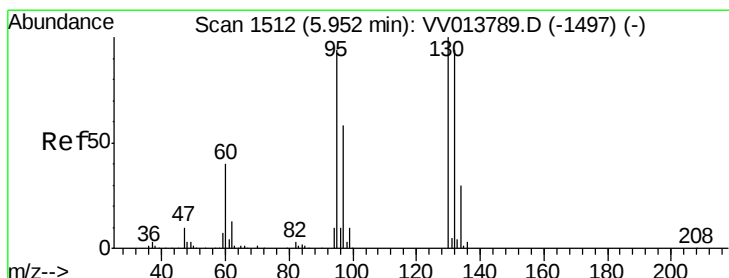
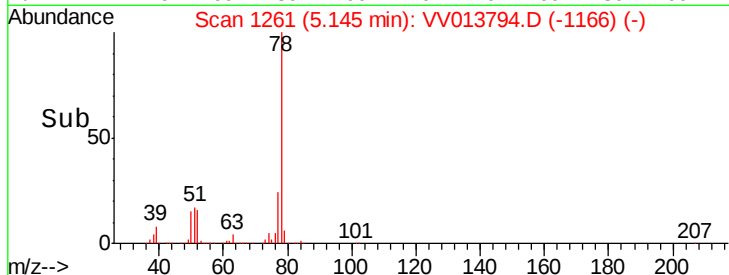
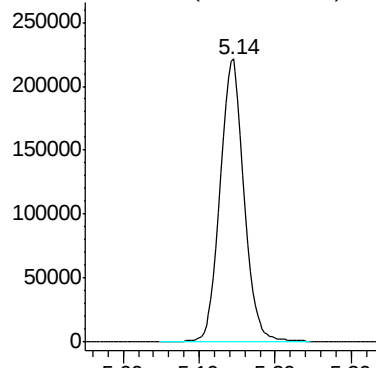
#33
Benzene
Concen: 6.331 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VV013794.D
Acq: 26 Nov 2019 18:28

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 488700



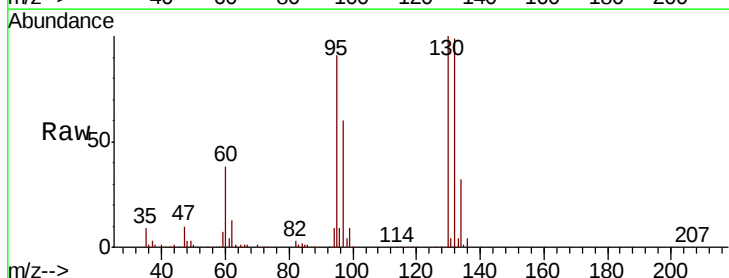
Abundance Ion 78.10 (77.80 to 78.80): VV0



#34
Trichloroethene
Concen: 5.877 ug/L
RT: 5.95 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV013794.D
Acq: 26 Nov 2019 18:28

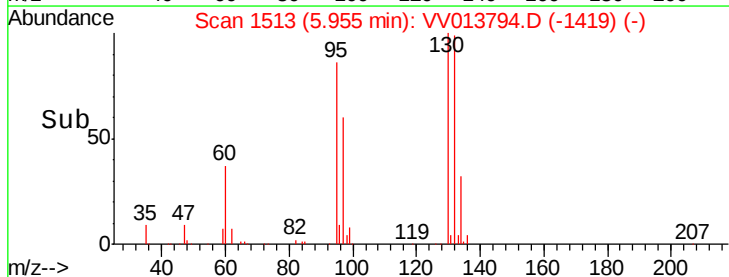
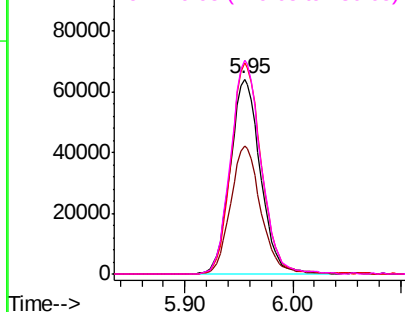
Tgt Ion: 95 Resp: 125139

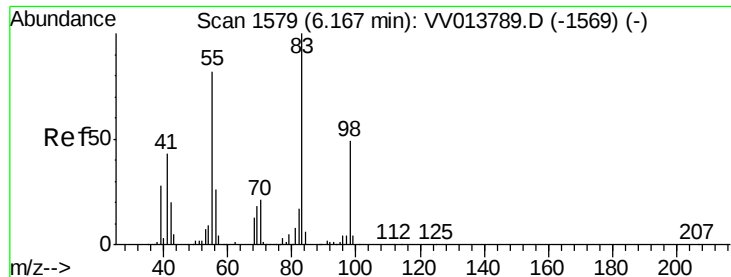
Ion	Ratio	Lower	Upper
95	100		
97	65.8	45.6	84.8
132	108.1	70.5	130.9
130	109.5	75.9	140.9



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: 1.028 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV013794.D

Acq: 26 Nov 2019 18:28

Instrument :
MSVOA_V
ClientSampleId :

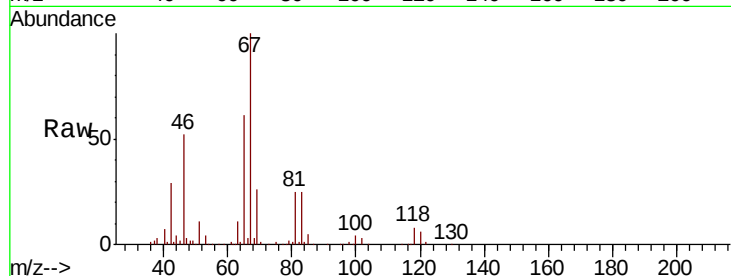
Tot Ion: 83 Resp: 29201

Ion Ratio Lower Upper

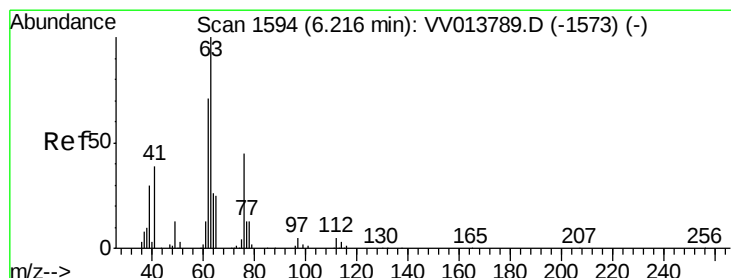
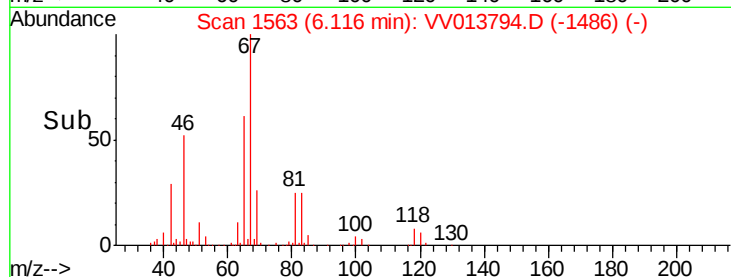
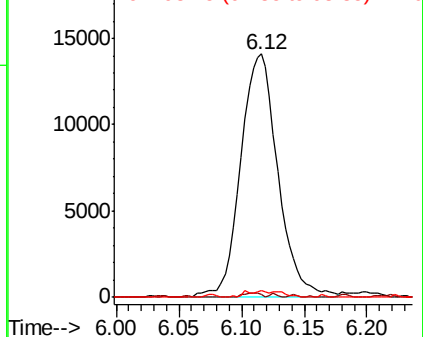
83 100

55 0.8 60.3 90.5#

98 1.6 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: 0.666 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV013794.D

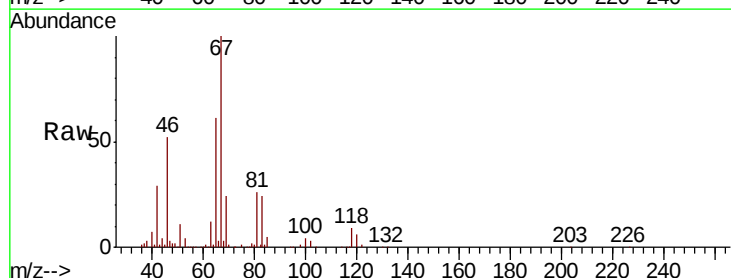
Acq: 26 Nov 2019 18:28

Tgt Ion: 63 Resp: 13216

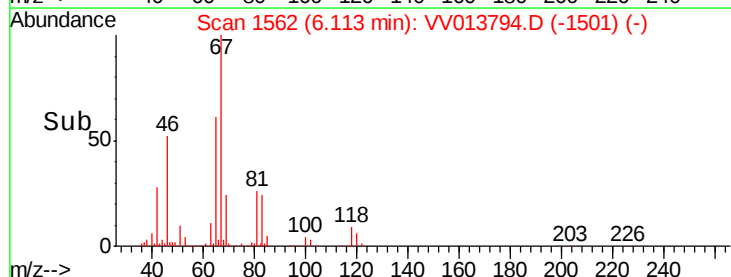
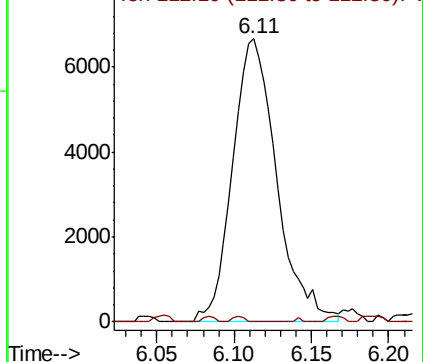
Ion Ratio Lower Upper

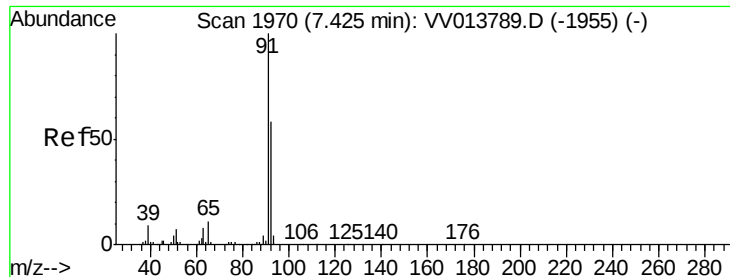
63 100

112 0.5 4.4 6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 6.066 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013794.D

Acq: 26 Nov 2019 18:28

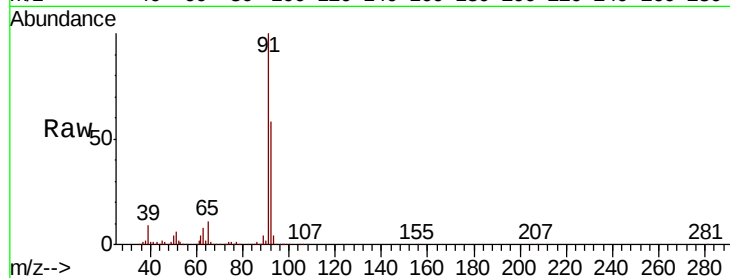
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 502270

Ion Ratio Lower Upper

91 100

92 58.5 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV013789.D (-1955) (-)

Ion 92.15 (91.85 to 92.85): VV013789.D (-1955) (-)

7.43

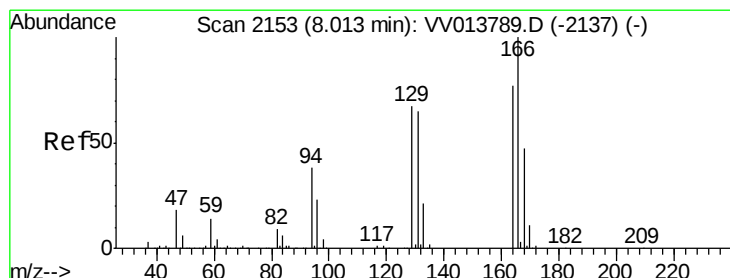
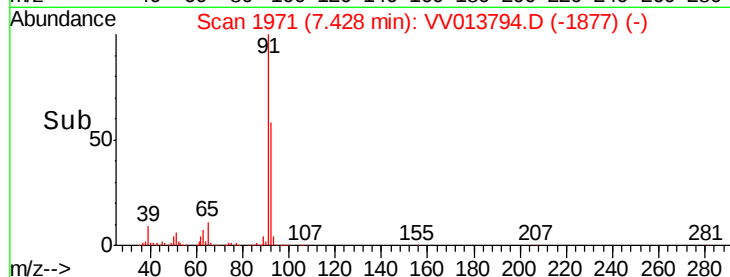
300000

200000

100000

0

Time-->



#47

Tetrachloroethene

Concen: 8.124 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013794.D

Acq: 26 Nov 2019 18:28

Tgt Ion: 164 Resp: 150206

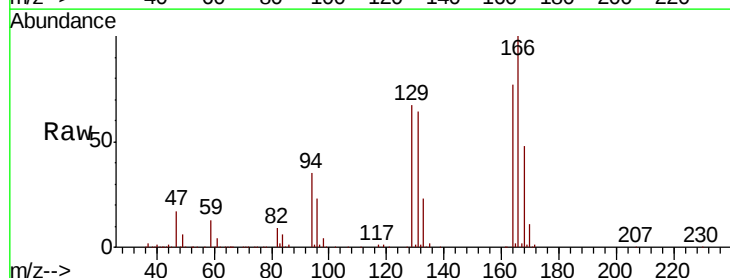
Ion Ratio Lower Upper

164 100

129 87.4 60.3 112.1

131 84.1 59.9 111.3

166 130.4 89.1 165.5



Abundance Ion 163.90 (163.60 to 164.60): VV013789.D (-2137) (-)

Ion 128.95 (128.65 to 129.65): VV013789.D (-2137) (-)

Ion 130.95 (130.65 to 131.65): VV013789.D (-2137) (-)

Ion 165.90 (165.60 to 166.60): VV013789.D (-2137) (-)

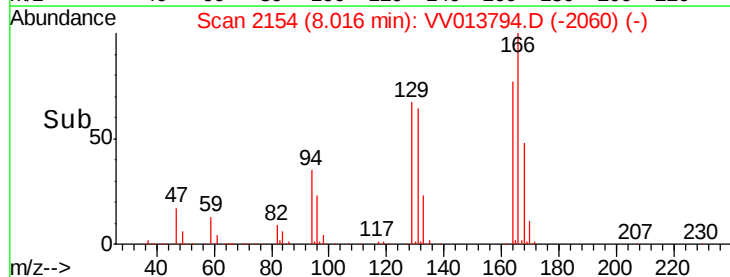
150000

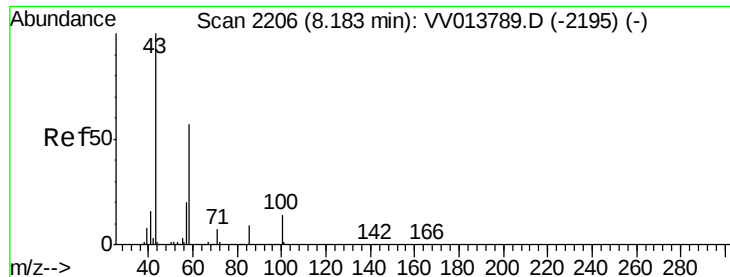
100000

50000

0

Time-->

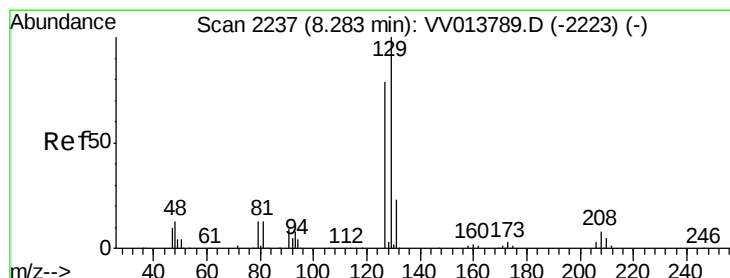
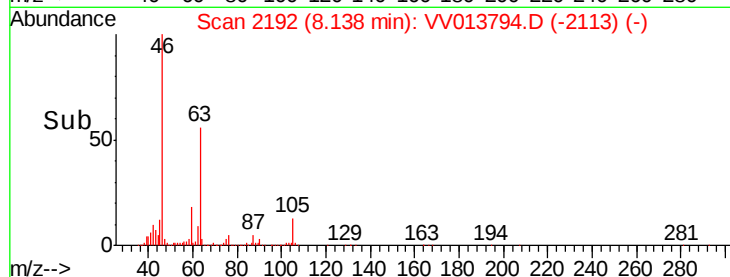
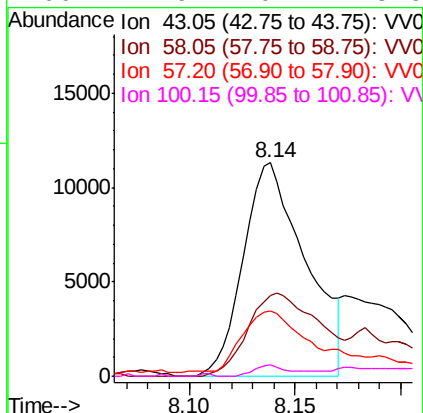
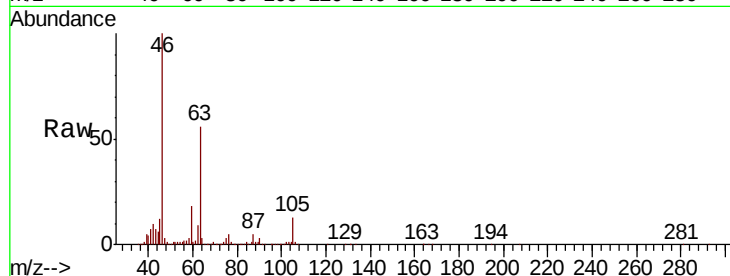




#48
2-Hexanone
Concen: 2.825 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.05 min
Lab File: VV013794.D
Acq: 26 Nov 2019 18:28

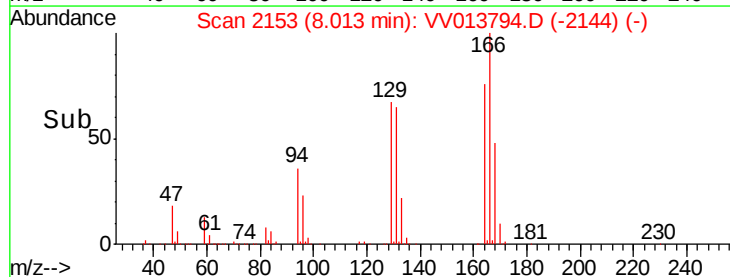
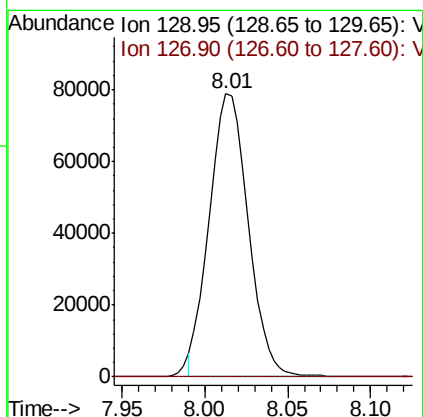
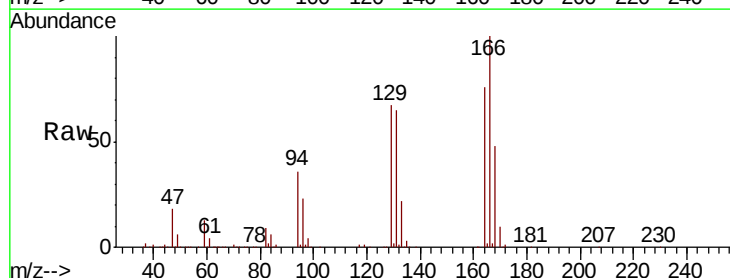
Instrument :
MSVOA_V
ClientSampleId :

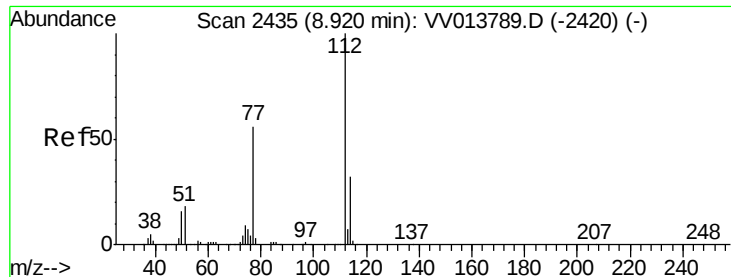
Tot Ion: 43 Resp: 23341
Ion Ratio Lower Upper
43 100
58 44.7 43.2 64.8
57 33.8 15.4 23.2#
100 2.9 10.4 15.6#



#49
Dibromochloromethane
Concen: 7.038 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. -0.27 min
Lab File: VV013794.D
Acq: 26 Nov 2019 18:28

Tgt Ion: 129 Resp: 127629
Ion Ratio Lower Upper
129 100
127 0.2 55.7 103.5#





#51
 Chlorobenzene
 Concen: 5.778 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: VV013794.D
 Acq: 26 Nov 2019 18:28

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	112	Resp:	332835
Ion Ratio		Lower	Upper
112	100		
114	31.0	21.8	40.6
77	54.1	44.2	66.4

