

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
 Data File : VV015801.D
 Acq On : 29 Apr 2020 18:36
 Operator : SY/MD
 Sample : L2410-22MSD
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 30 01:41:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 30 01:35:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	123593	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	121045	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	56626	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	36991	5.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.60%
7) Chloroethane-d5	1.58	69	33921	5.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.00%
11) 1,1-Dichloroethene-d2	2.12	63	82348	5.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	116.60%
20) 2-Butanone-d5	3.92	46	93059	44.87	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.74%
24) Chloroform-d	4.38	84	59941	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.60%
26) 1,2-Dichloroethane-d4	5.06	65	40334	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.08	84	137476	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.10	67	42229	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.34	98	123013	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.64	79	13942	3.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.00%
46) 2-Hexanone-d5	8.11	63	66291	38.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.16%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	28586	4.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	44757	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	622	0.080	ug/L #	22
12) 1,1-Dichloroethene	2.13	96	46324	6.440	ug/L	92
13) Acetone	2.21	43	4432	3.078	ug/L	83
25) Chloroform	4.40	83	12927	0.770	ug/L	100
33) Benzene	5.13	78	218219	6.310	ug/L	100
34) Trichloroethene	5.94	95	57635	6.035	ug/L	97
35) Methylcyclohexane	6.09	83	10408	0.710	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	5514	0.627	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1278	0.104	ug/L #	59
42) Toluene	7.41	91	228359	6.180	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	860	0.084	ug/L	87
47) Tetrachloroethene	8.00	164	7771	1.130	ug/L	98
48) 2-Hexanone	8.17	43	4825	1.186	ug/L #	93
49) Dibromochloromethane	8.00	129	7704	1.242	ug/L #	12
51) Chlorobenzene	8.90	112	149348	6.169	ug/L	96

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 30 01:35:08 2020
Response via : Initial Calibration

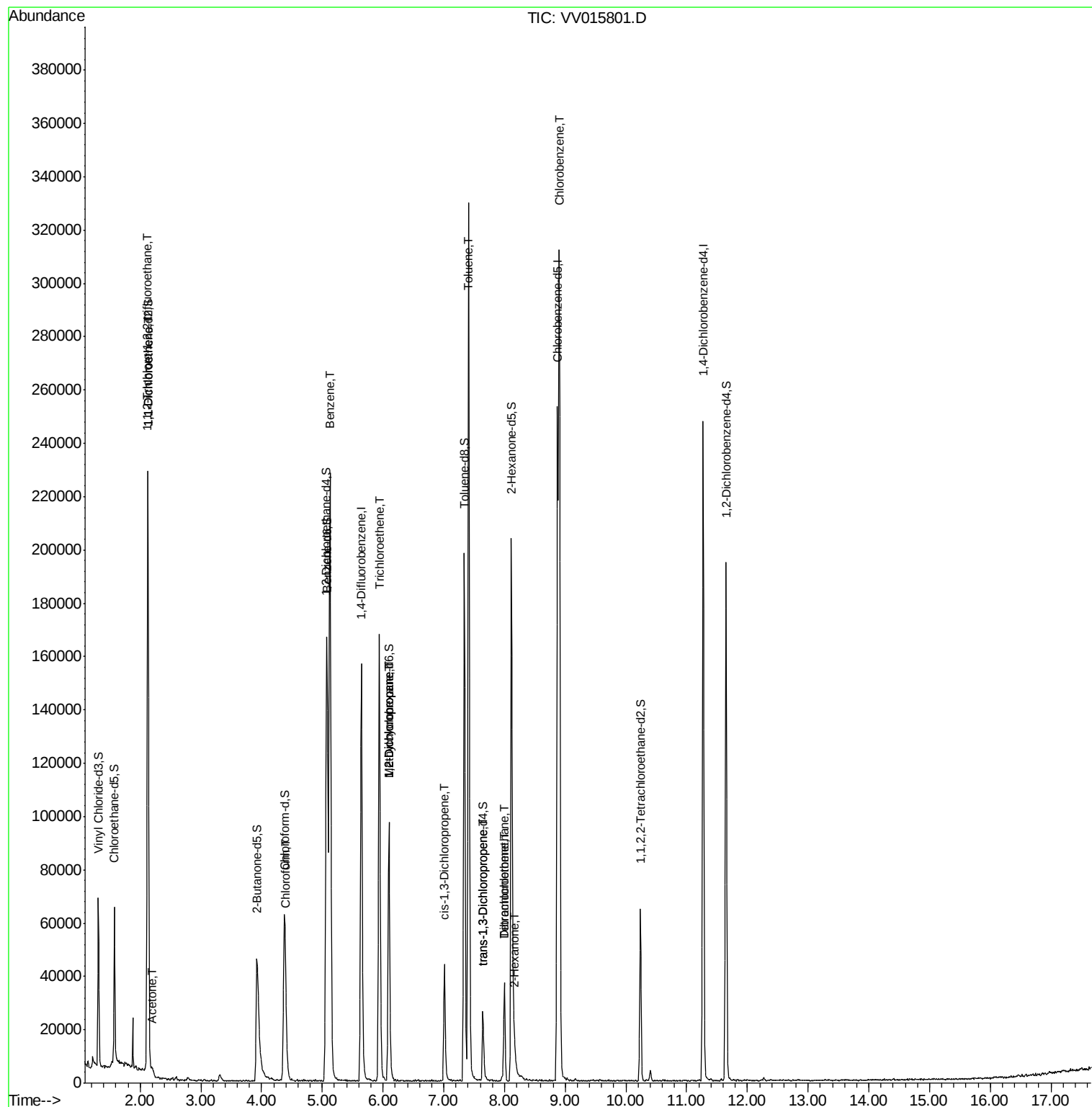
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

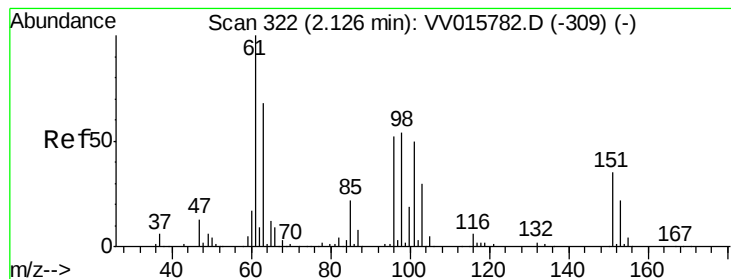
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV042920\
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Acq On : 29 Apr 2020 18:36
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QLast Update : Thu Apr 30 01:35:08 2020
Response via : Initial Calibration





#10

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

Concen: 0.080 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV015801.D

Acq: 29 Apr 2020 18:36

Instrument :

MSVOA_V

ClientSampleId :

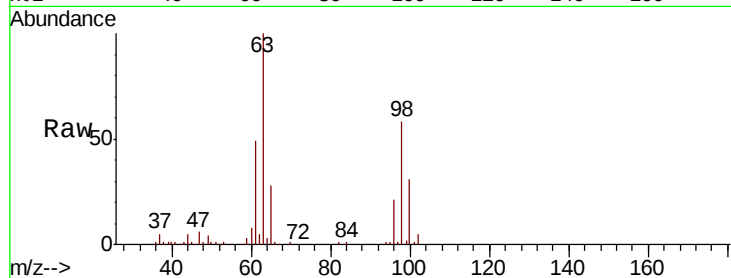
Tot Ion:101 Resp: 622

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

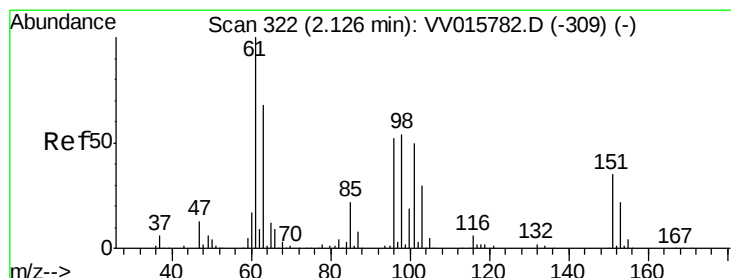
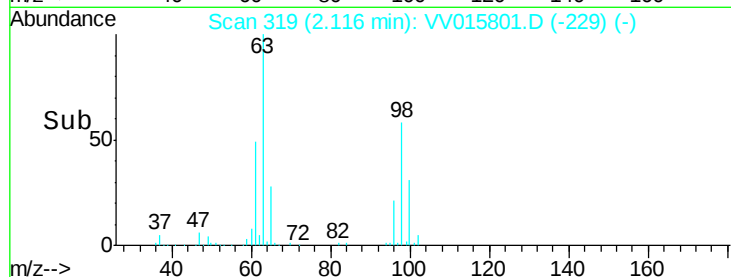
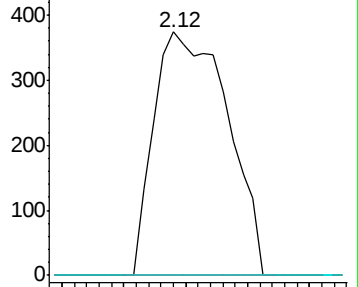
151 0.0 55.2 82.8#



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: 6.440 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.01 min

Lab File: VV015801.D

Acq: 29 Apr 2020 18:36

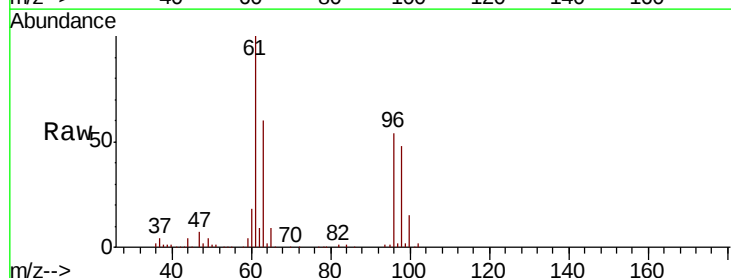
Tgt Ion: 96 Resp: 46324

Ion Ratio Lower Upper

96 100

61 184.2 130.1 241.7

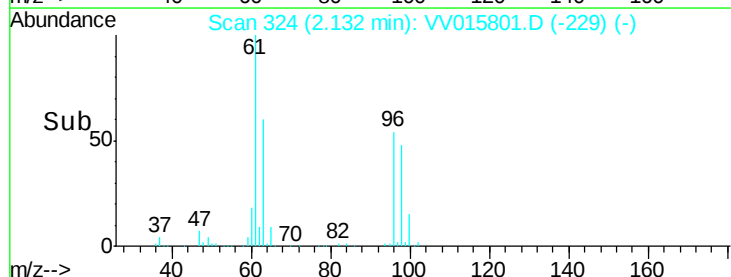
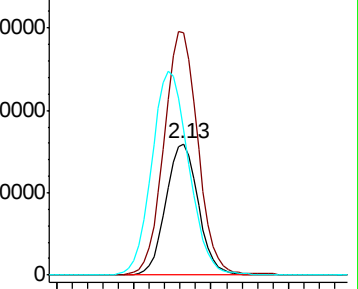
63 110.5 91.4 169.8

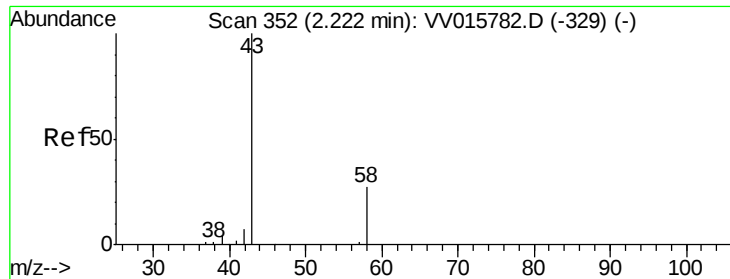


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.078 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.02 min

Lab File: VV015801.D

Acq: 29 Apr 2020 18:36

Instrument :

MSVOA_V

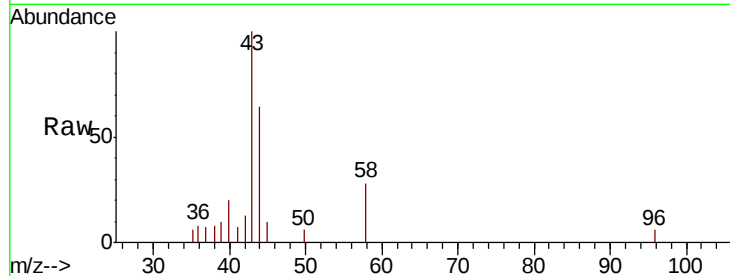
ClientSampleId :

Tot Ion: 43 Resp: 4432

Ion Ratio Lower Upper

43 100

58 19.5 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV015782.D (-329) (-)

Ion 58.05 (57.75 to 58.75): VV015782.D (-329) (-)

2.21

1500

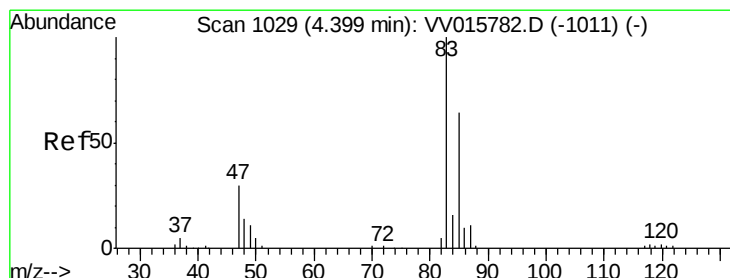
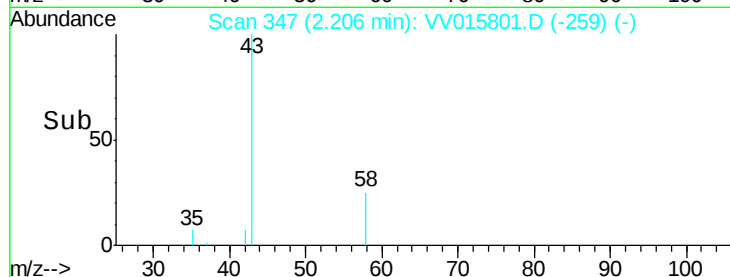
1000

500

0

Time-->

2.15 2.20 2.25 2.30



#25

Chloroform

Concen: 0.770 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV015801.D

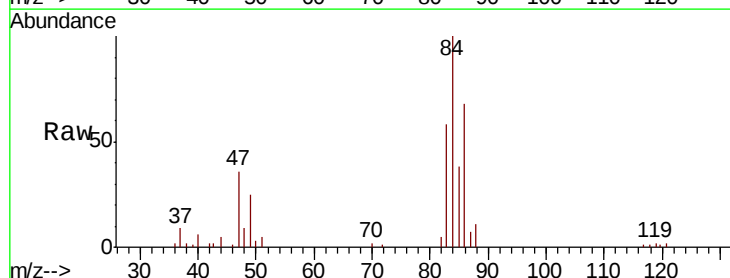
Acq: 29 Apr 2020 18:36

Tgt Ion: 83 Resp: 12927

Ion Ratio Lower Upper

83 100

85 66.0 46.1 85.5



Abundance Ion 83.05 (82.75 to 83.75): VV015782.D (-1011) (-)

Ion 85.00 (84.70 to 85.70): VV015782.D (-1011) (-)

4.40

5000

4000

3000

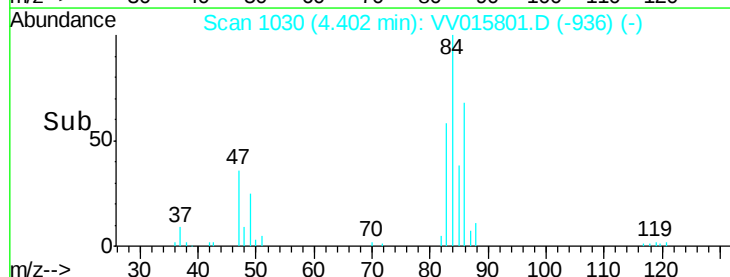
2000

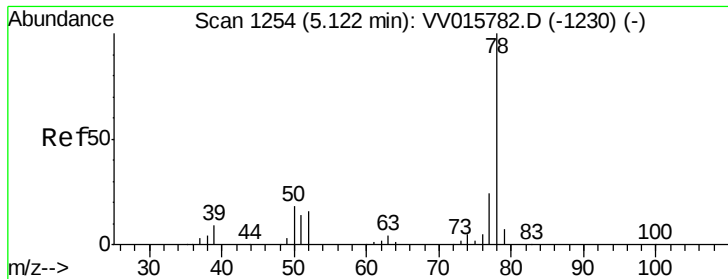
1000

0

Time-->

4.30 4.40 4.50





#33

Benzene

Concen: 6.310 ug/L

RT: 5.13 min Scan# 1255

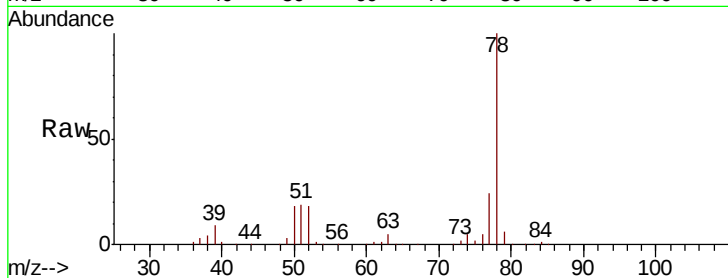
Delta R.T. 0.00 min

Lab File: VV015801.D

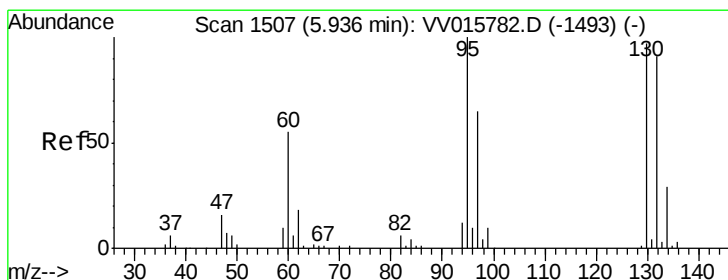
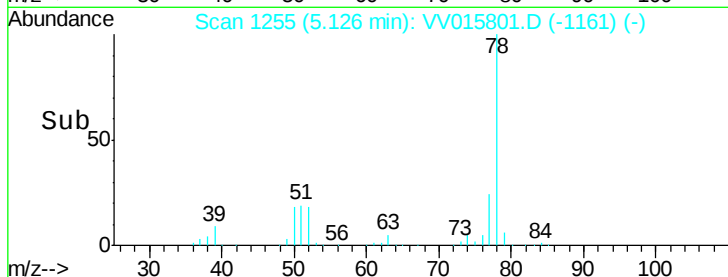
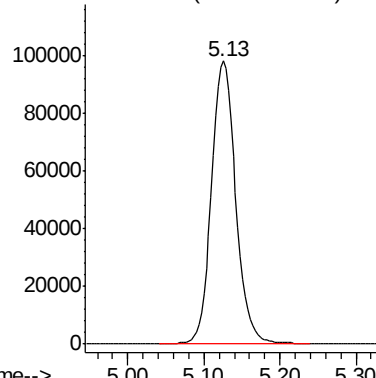
Acq: 29 Apr 2020 18:36

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 218219



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 6.035 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015801.D

Acq: 29 Apr 2020 18:36

Tgt Ion: 95 Resp: 57635

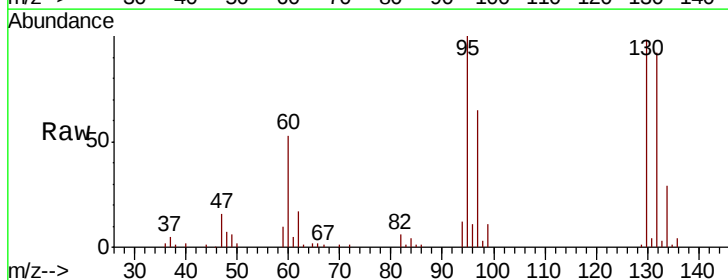
Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.7	82.9
132	91.6	65.2	121.0
130	97.9	65.0	120.6

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



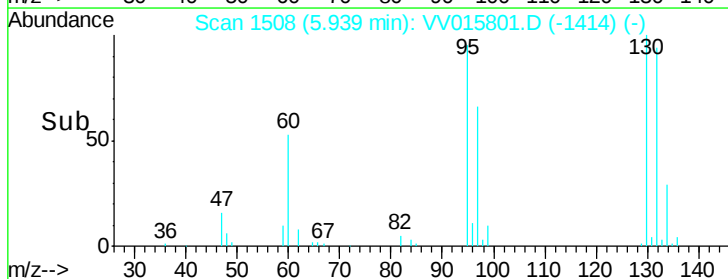
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Time-->



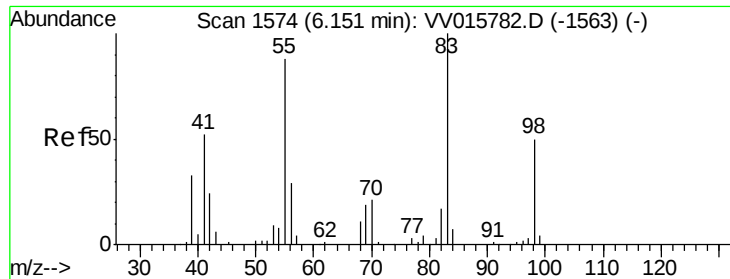
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

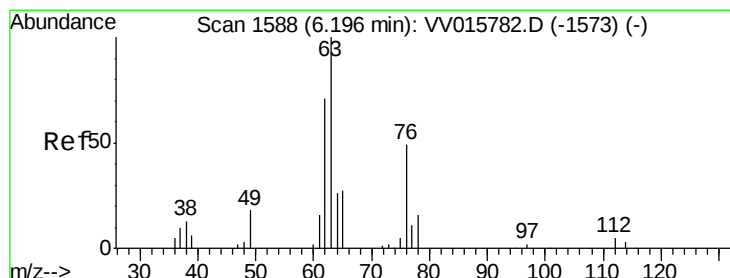
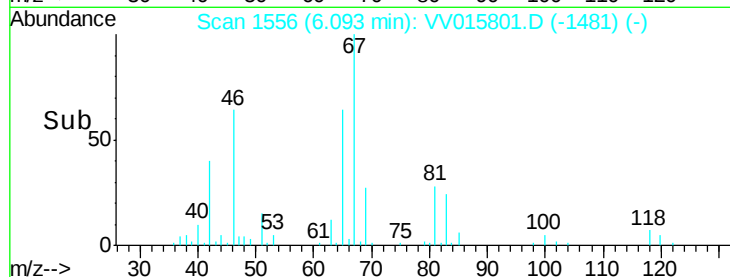
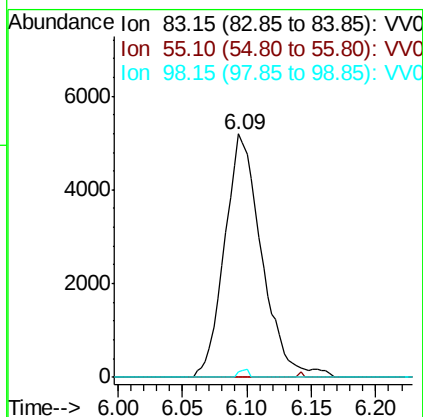
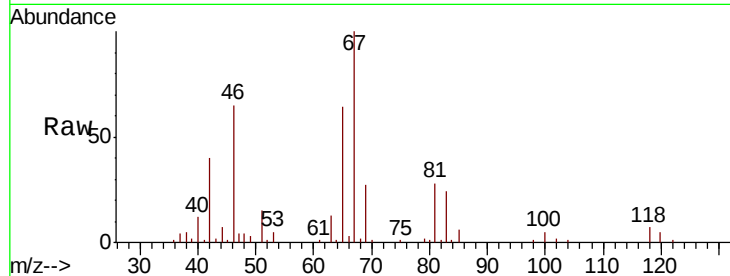
Time-->



#35
Methvlcvclohexane
Concen: 0.710 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV015801.D
Acq: 29 Apr 2020 18:36

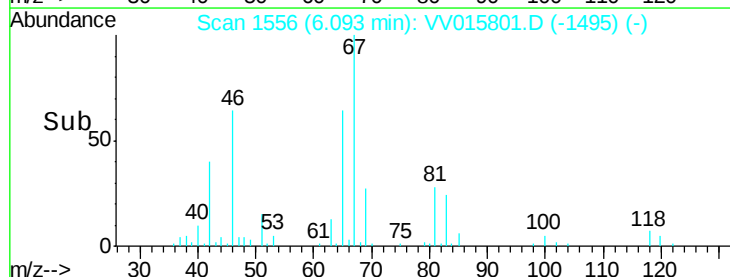
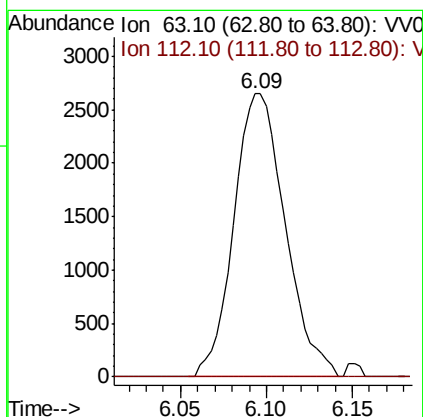
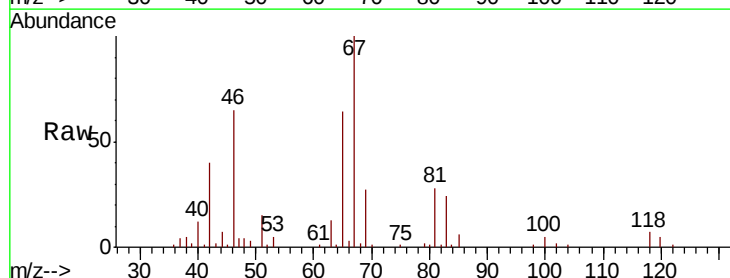
Instrument :
MSVOA_V
ClientSampleId :

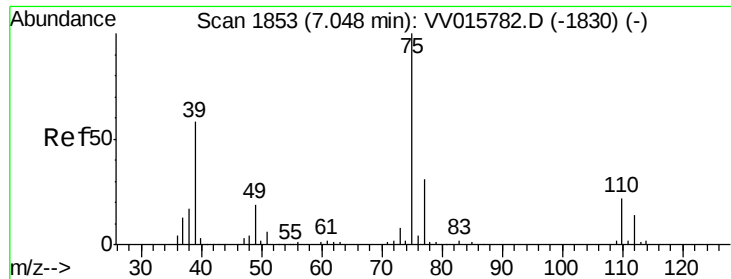
Tot Ion: 83 Resp: 10408
Ion Ratio Lower Upper
83 100
55 0.2 66.6 99.8#
98 0.8 39.5 59.3#



#37
1,2-Dichloropropane
Concen: 0.627 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV015801.D
Acq: 29 Apr 2020 18:36

Tgt Ion: 63 Resp: 5514
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#

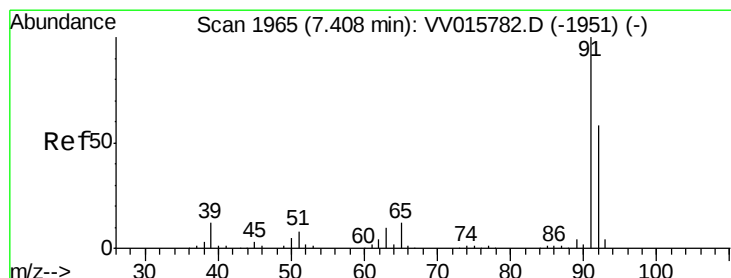
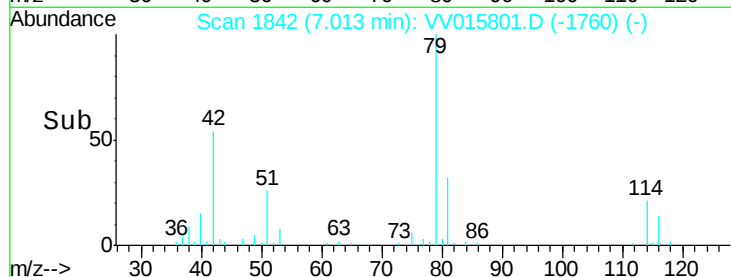
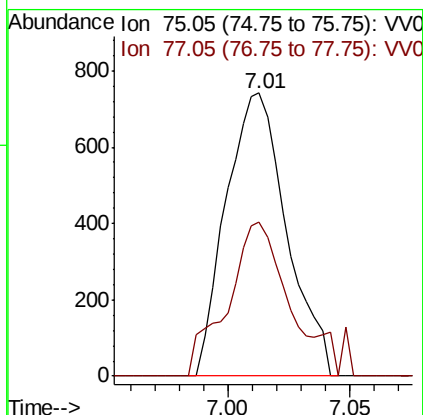
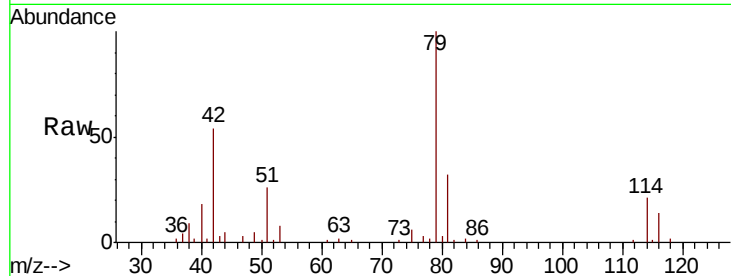




#39
 cis-1,3-Dichloropropene
 Concen: 0.104 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV015801.D
 Acq: 29 Apr 2020 18:36

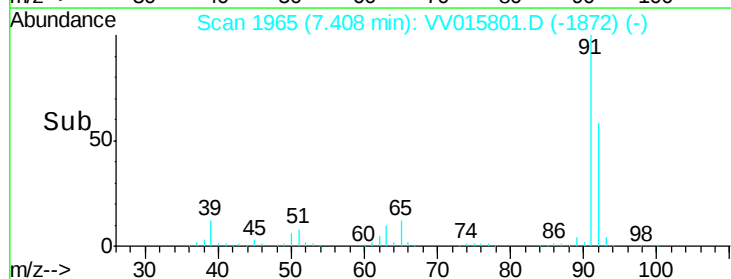
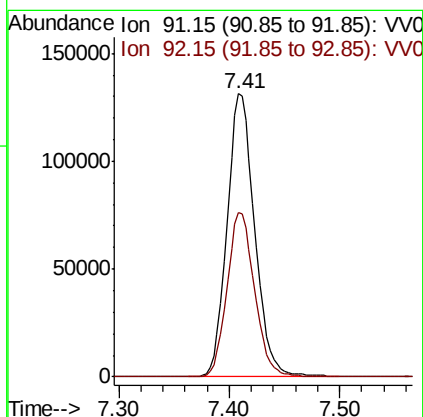
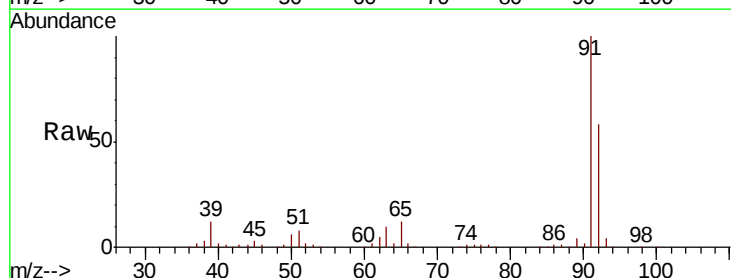
Instrument :
 MSVOA_V
 ClientSampleId :

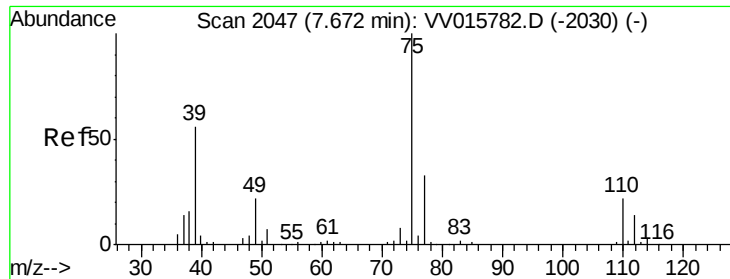
Tot Ion: 75 Resp: 1278
 Ion Ratio Lower Upper
 75 100
 77 54.6 22.3 41.5#



#42
 Toluene
 Concen: 6.180 ug/L
 RT: 7.41 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: VV015801.D
 Acq: 29 Apr 2020 18:36

Tgt Ion: 91 Resp: 228359
 Ion Ratio Lower Upper
 91 100
 92 58.2 40.7 75.7





#44

trans-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 7.65 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VV015801.D

Acq: 29 Apr 2020 18:36

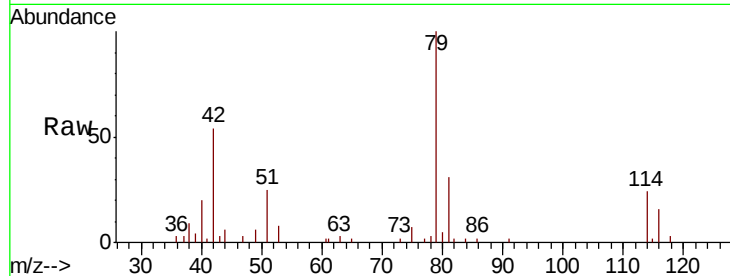
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 860

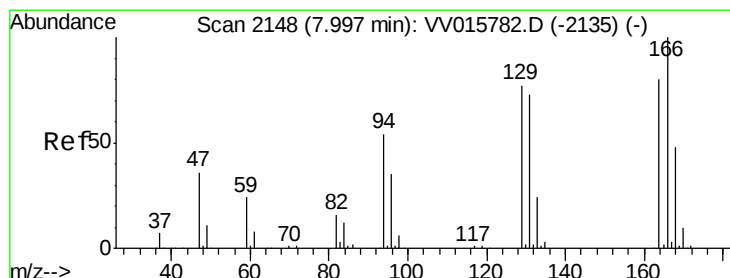
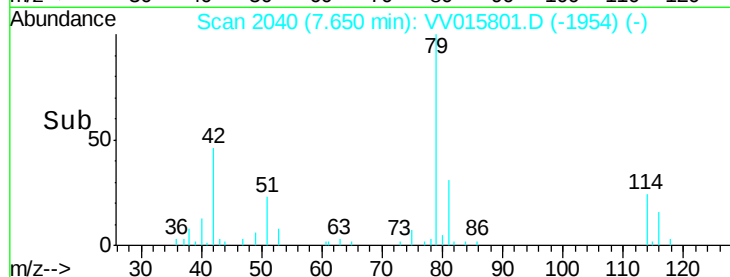
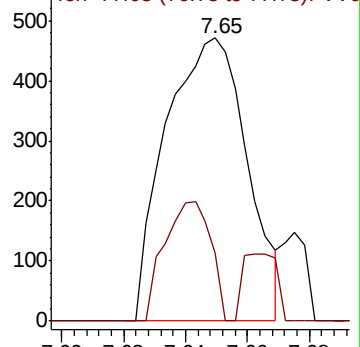
Ion Ratio Lower Upper

75 100

77 24.0 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV015782.D (-2030) (-)



#47

Tetrachloroethene

Concen: 1.130 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015801.D

Acq: 29 Apr 2020 18:36

Tgt Ion: 164 Resp: 7771

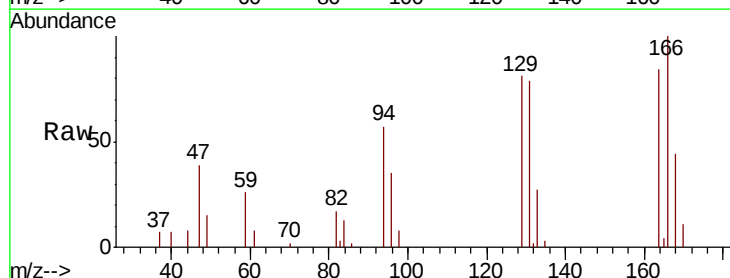
Ion Ratio Lower Upper

164 100

129 97.1 66.7 123.9

131 94.0 66.6 123.6

166 119.7 85.3 158.5

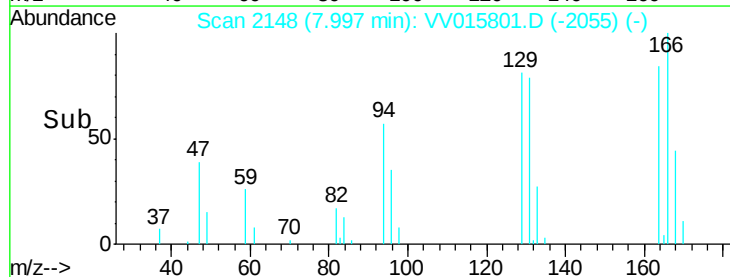
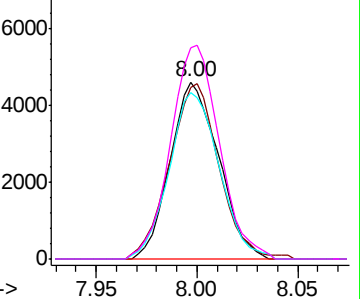


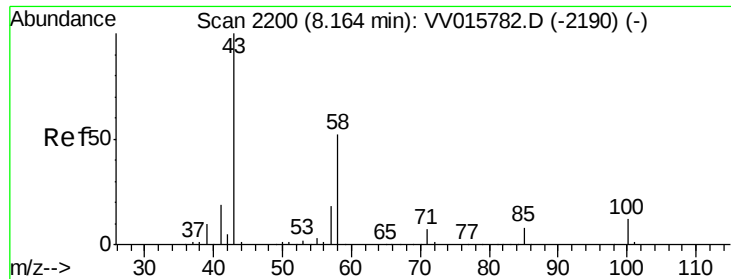
Abundance Ion 163.90 (163.60 to 164.60): VV015782.D (-2135) (-)

Ion 128.95 (128.65 to 129.65): VV015782.D (-2135) (-)

Ion 130.95 (130.65 to 131.65): VV015782.D (-2135) (-)

Ion 165.90 (165.60 to 166.60): VV015782.D (-2135) (-)

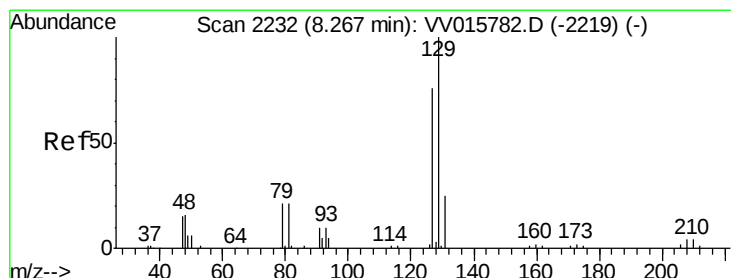
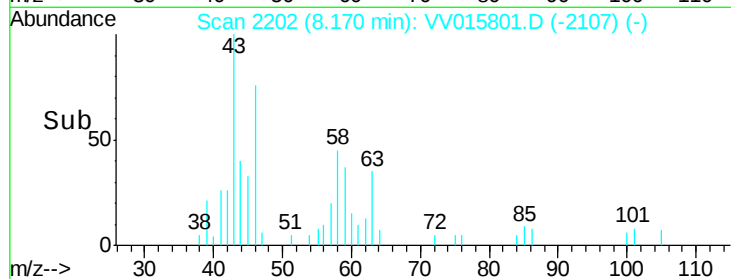
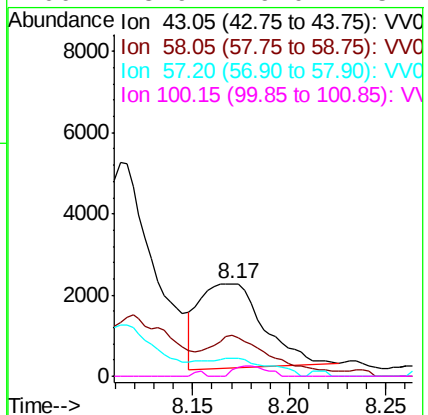
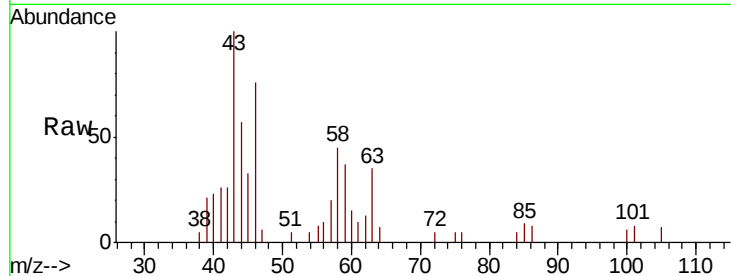




#48
2-Hexanone
Concen: 1.186 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV015801.D
Acq: 29 Apr 2020 18:36

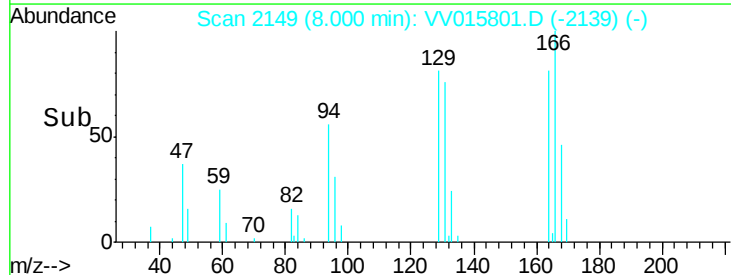
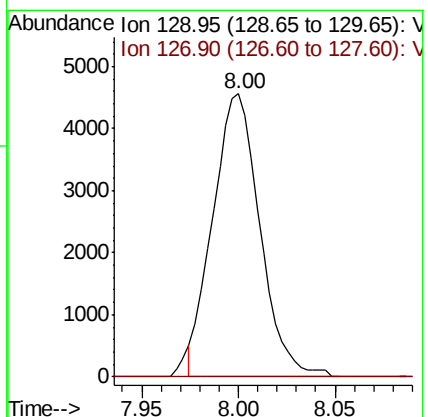
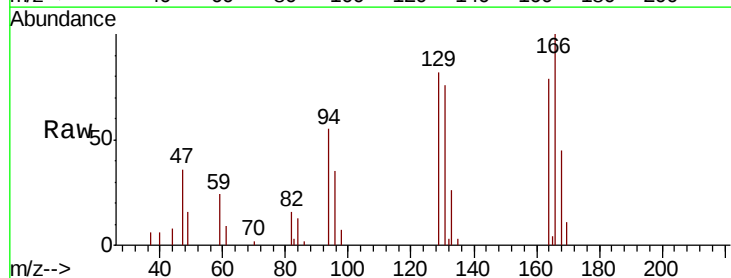
Instrument :
MSVOA_V
ClientSampled :

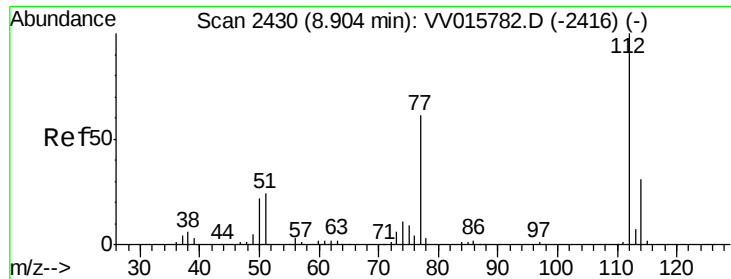
Tot Ion: 43 Resp: 4825
Ion Ratio Lower Upper
43 100
58 48.4 41.1 61.7
57 22.3 15.0 22.4
100 5.9 9.0 13.4#



#49
Dibromochloromethane
Concen: 1.242 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.27 min
Lab File: VV015801.D
Acq: 29 Apr 2020 18:36

Tgt Ion: 129 Resp: 7704
Ion Ratio Lower Upper
129 100
127 0.0 52.6 97.8#

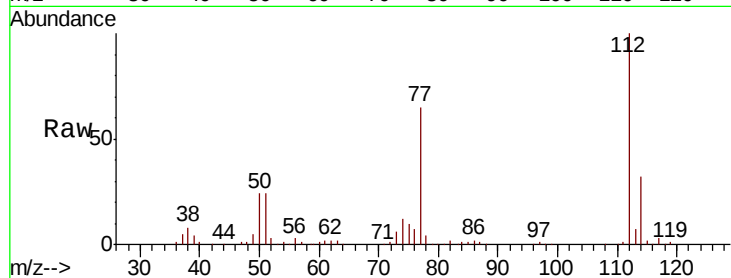




#51
 Chlorobenzene
 Concen: 6.169 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV015801.D
 Acq: 29 Apr 2020 18:36

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	21.6	40.2
77	64.5	48.9	73.3



Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V

