

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
 Data File : VV015800.D
 Acq On : 29 Apr 2020 18:12
 Operator : SY/MD
 Sample : L2410-21MS
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 30 01:41:35 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	124963	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	124116	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	56703	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	38793	5.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.80%
7) Chloroethane-d5	1.58	69	35428	5.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.60%
11) 1,1-Dichloroethene-d2	2.12	63	83246	5.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	116.40%
20) 2-Butanone-d5	3.91	46	90177	43.01	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.02%
24) Chloroform-d	4.38	84	63604	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
26) 1,2-Dichloroethane-d4	5.06	65	42765	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.08	84	141644	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.09	67	43475	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.34	98	126283	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	7.65	79	14474	3.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.00%
46) 2-Hexanone-d5	8.11	63	66674	37.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.70%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	28632	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	45696	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	654	0.083	ug/L #	30
12) 1,1-Dichloroethene	2.13	96	45496	6.255	ug/L	94
13) Acetone	2.19	43	5801	3.984	ug/L	98
25) Chloroform	4.41	83	11197	0.660	ug/L	100
27) 1,2-Dichloroethane	5.12	62	2635	0.236	ug/L #	78
33) Benzene	5.13	78	220078	6.206	ug/L	100
34) Trichloroethene	5.94	95	57500	5.872	ug/L	98
35) Methylcyclohexane	6.09	83	11403	0.759	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	5697	0.632	ug/L #	86
42) Toluene	7.41	91	227855	6.014	ug/L	98
44) trans-1,3-Dichloropropene	7.64	75	651	0.062	ug/L	99
47) Tetrachloroethene	8.00	164	5928	0.841	ug/L	96
48) 2-Hexanone	8.17	43	6608	1.584	ug/L #	91
49) Dibromochloromethane	8.00	129	5487	0.863	ug/L #	12
51) Chlorobenzene	8.90	112	147818	5.955	ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 30 01:35:08 2020
Response via : Initial Calibration

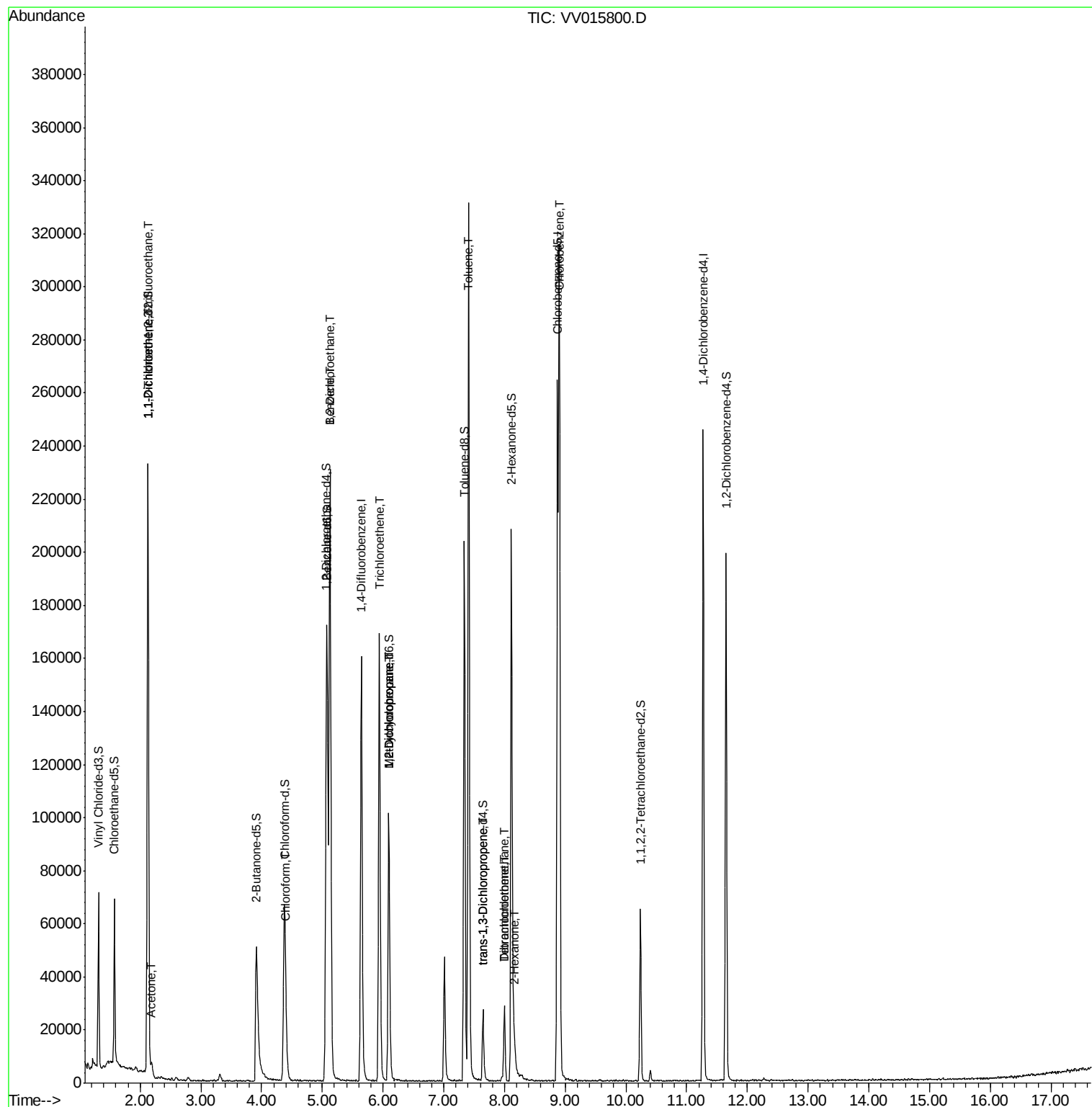
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

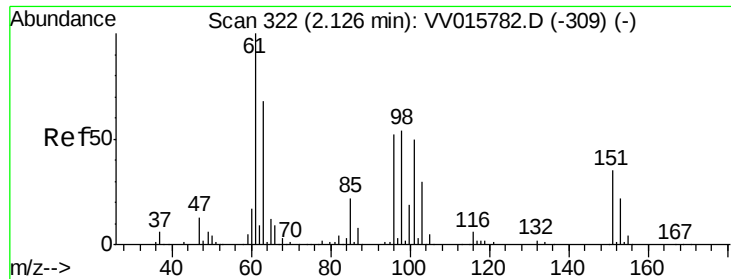
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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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: 0.083 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015800.D

Acq: 29 Apr 2020 18:12

Instrument :

MSVOA_V

ClientSampled :

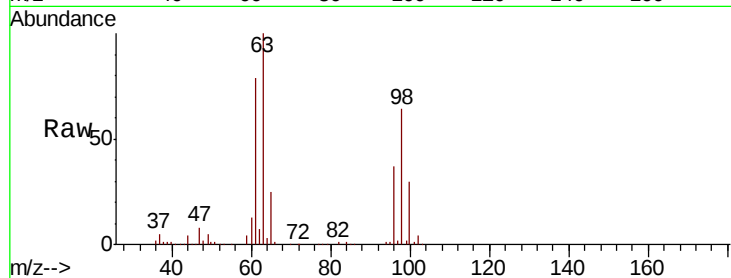
Tot Ion:101 Resp: 654

Ion Ratio Lower Upper

101 100

85 14.1 36.1 54.1#

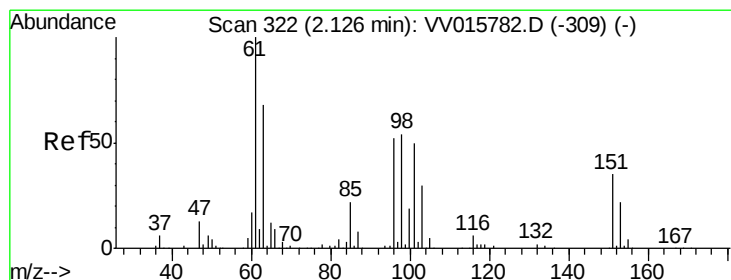
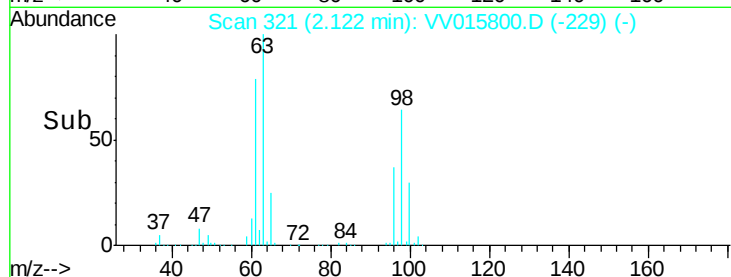
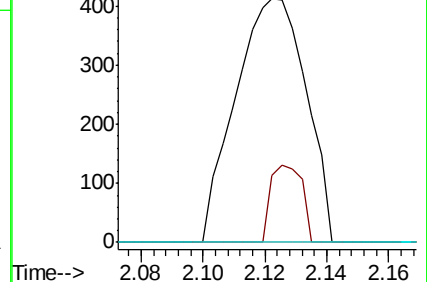
151 0.0 55.2 82.8#



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: 6.255 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.01 min

Lab File: VV015800.D

Acq: 29 Apr 2020 18:12

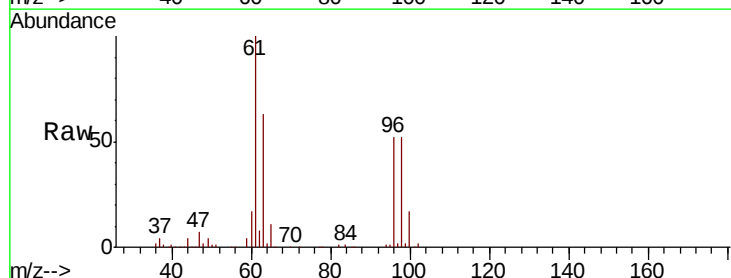
Tgt Ion: 96 Resp: 45496

Ion Ratio Lower Upper

96 100

61 193.2 130.1 241.7

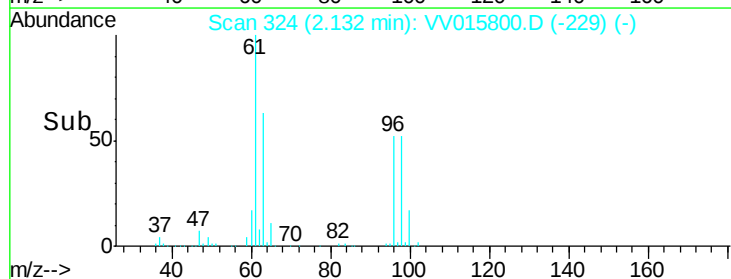
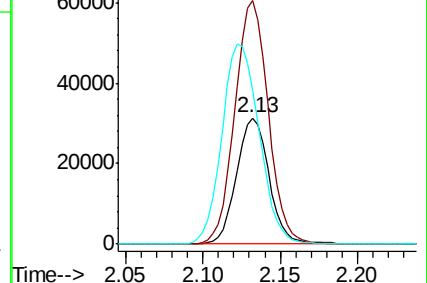
63 122.3 91.4 169.8

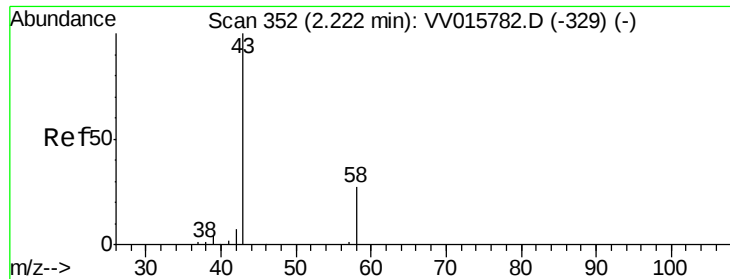


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.984 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.03 min

Lab File: VV015800.D

Acq: 29 Apr 2020 18:12

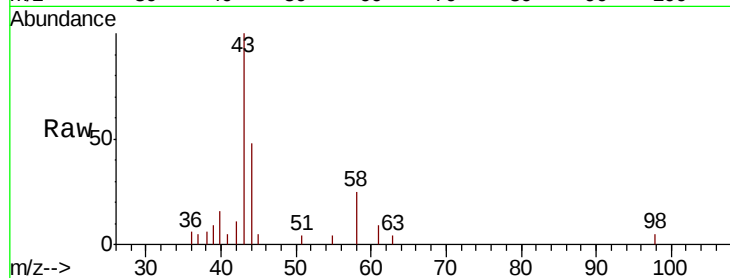
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 5801

Ion Ratio Lower Upper

43 100

58 29.6 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) (-)

2.19

3000

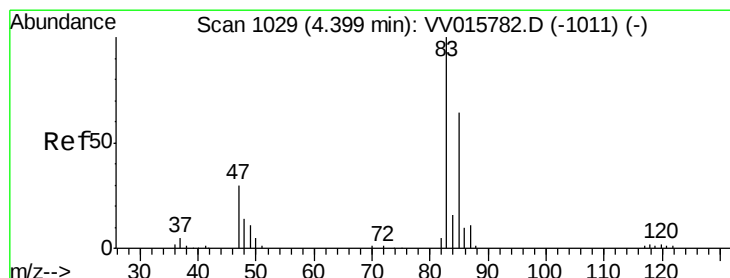
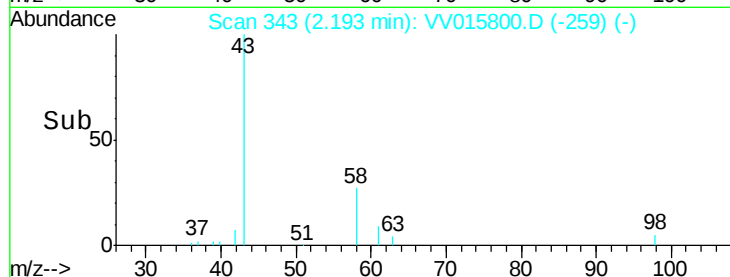
2000

1000

0

Time-->

2.15 2.20 2.25



#25

Chloroform

Concen: 0.660 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV015800.D

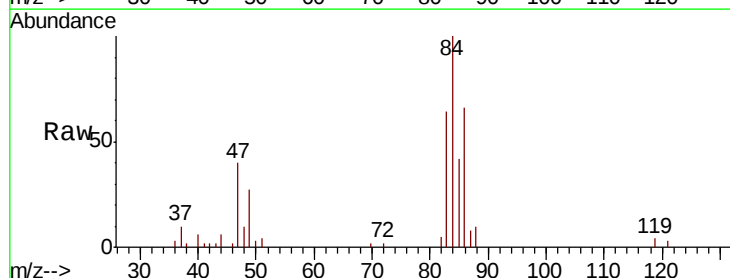
Acq: 29 Apr 2020 18:12

Tgt Ion: 83 Resp: 11197

Ion Ratio Lower Upper

83 100

85 66.1 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) (-)

4.41

5000

4000

3000

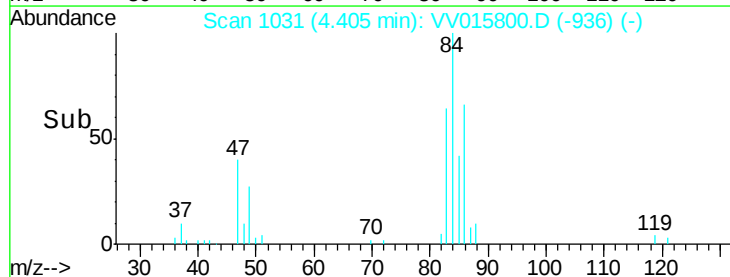
2000

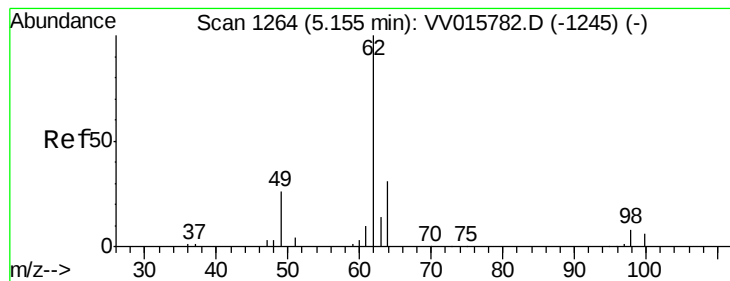
1000

0

Time-->

4.30 4.35 4.40 4.45 4.50





#27

1,2-Dichloroethane

Concen: 0.236 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.03 min

Lab File: VV015800.D

Acq: 29 Apr 2020 18:12

Instrument :

MSVOA_V

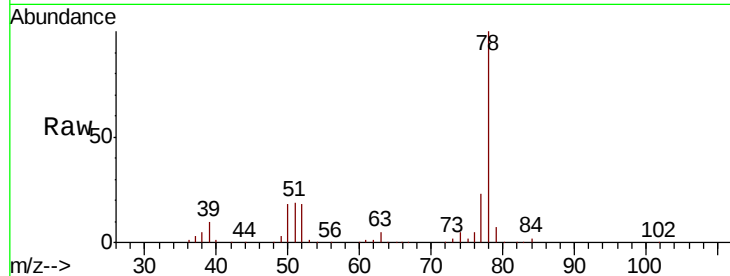
ClientSampled :

Tot Ion: 62 Resp: 2635

Ion Ratio Lower Upper

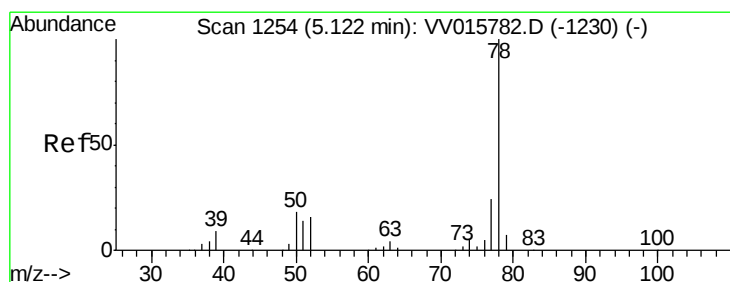
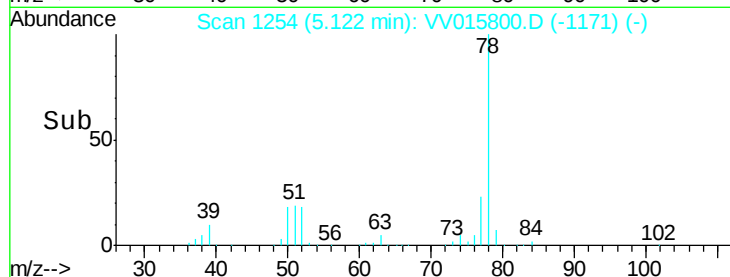
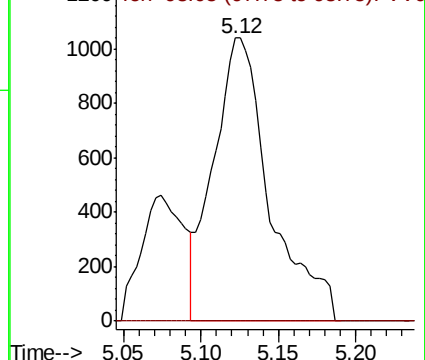
62 100

98 0.0 6.3 9.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#33

Benzene

Concen: 6.206 ug/L

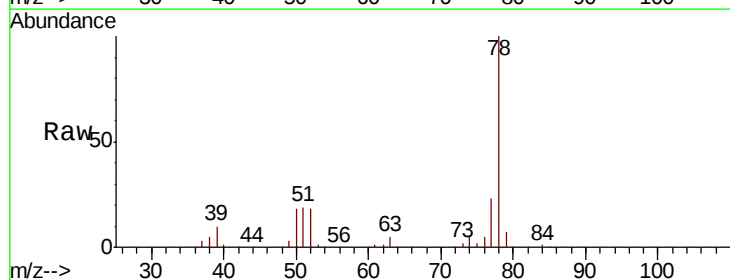
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

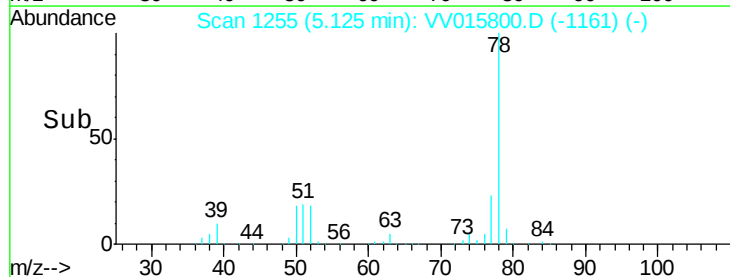
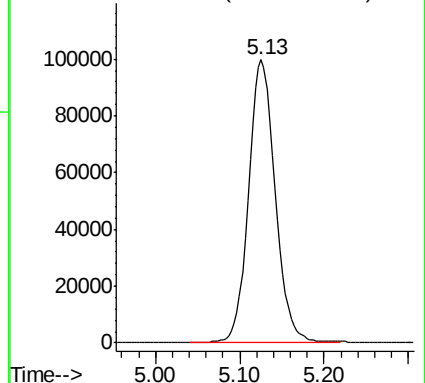
Lab File: VV015800.D

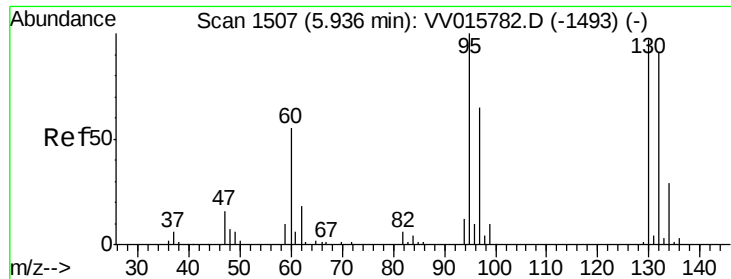
Acq: 29 Apr 2020 18:12

Tgt Ion: 78 Resp: 220078



Abundance Ion 78.10 (77.80 to 78.80): VV0

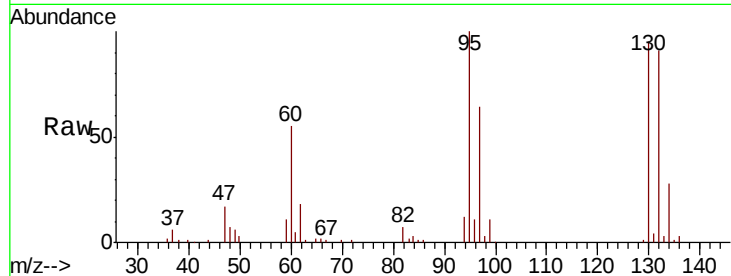




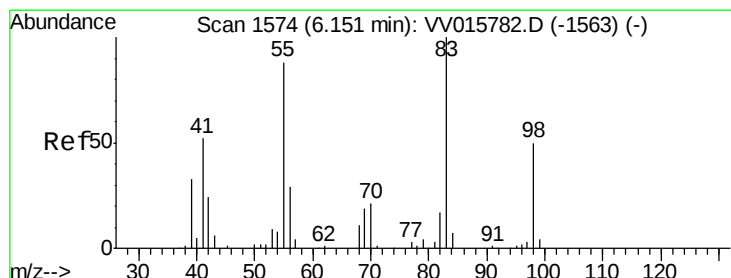
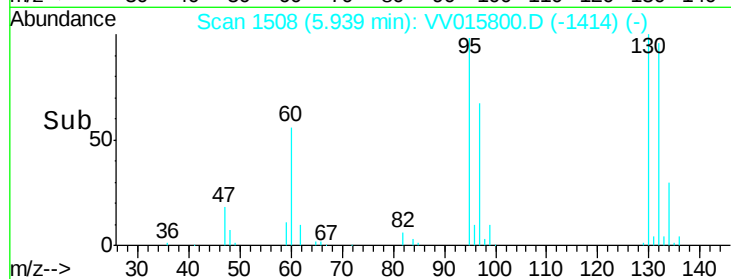
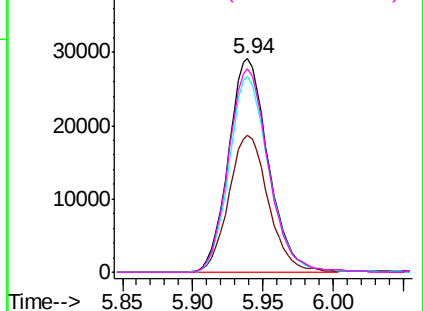
#34
 Trichloroethene
 Concen: 5.872 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015800.D
 Acq: 29 Apr 2020 18:12

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 57500
 Ion Ratio Lower Upper
 95 100
 97 64.0 44.7 82.9
 132 91.5 65.2 121.0
 130 95.1 65.0 120.6

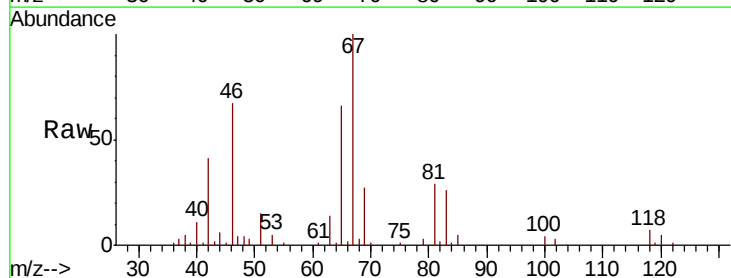


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

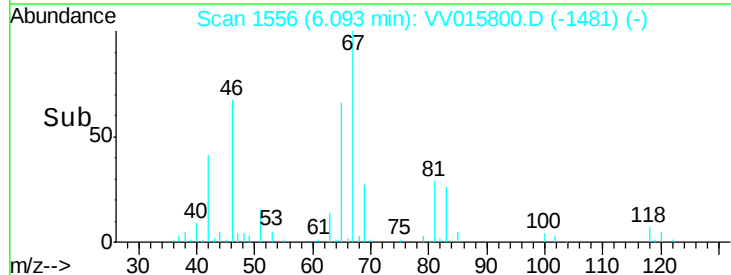
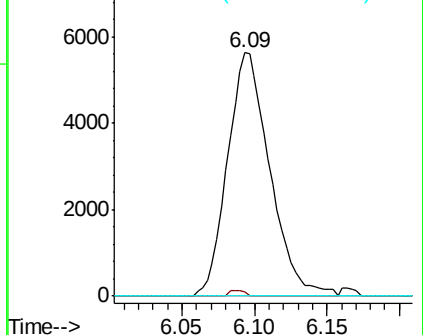


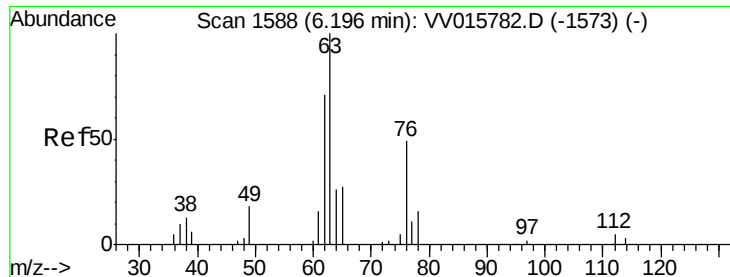
#35
 Methylcyclohexane
 Concen: 0.759 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.06 min
 Lab File: VV015800.D
 Acq: 29 Apr 2020 18:12

Tgt Ion: 83 Resp: 11403
 Ion Ratio Lower Upper
 83 100
 55 0.8 66.6 99.8#
 98 0.0 39.5 59.3#



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: 0.632 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV015800.D

Acq: 29 Apr 2020 18:12

Instrument :

MSVOA_V

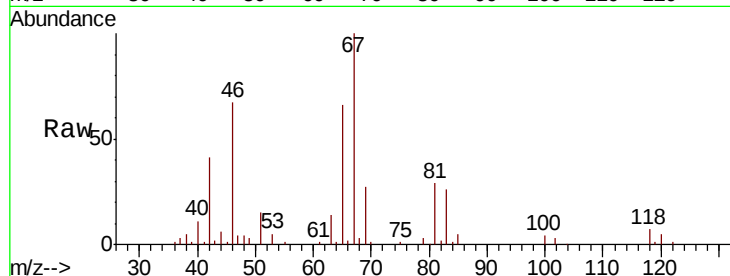
ClientSampleId :

Tot Ion: 63 Resp: 5697

Ion Ratio Lower Upper

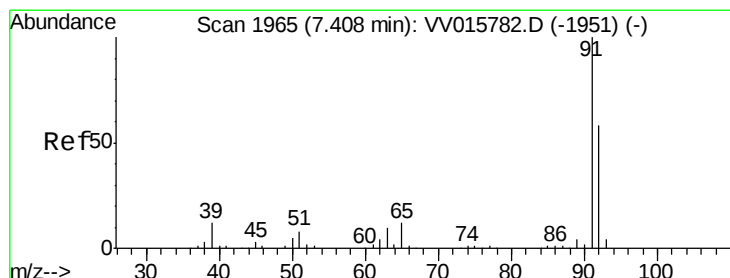
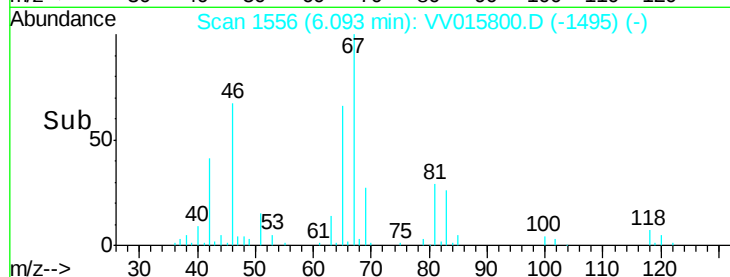
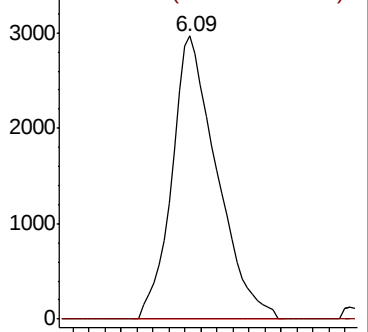
63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV015782.D (-1573) (-)

Ion 112.10 (111.80 to 112.80): VV015782.D (-1573) (-)



#42

Toluene

Concen: 6.014 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015800.D

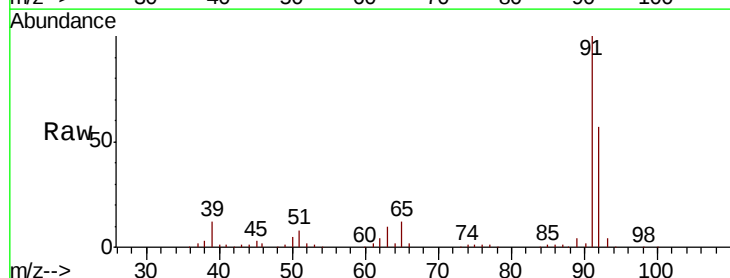
Acq: 29 Apr 2020 18:12

Tgt Ion: 91 Resp: 227855

Ion Ratio Lower Upper

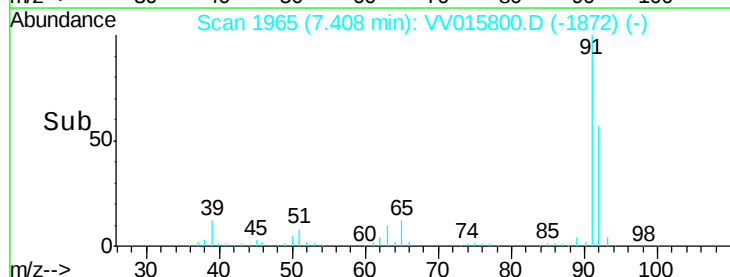
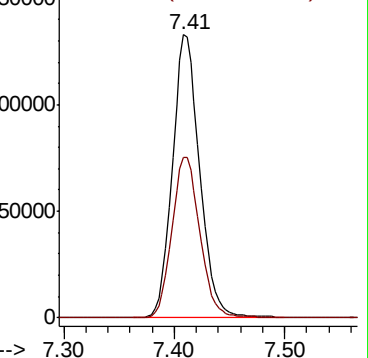
91 100

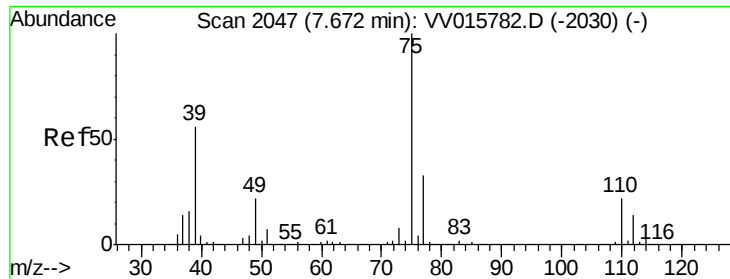
92 56.9 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV015782.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV015782.D (-1951) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.062 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV015800.D

Acq: 29 Apr 2020 18:12

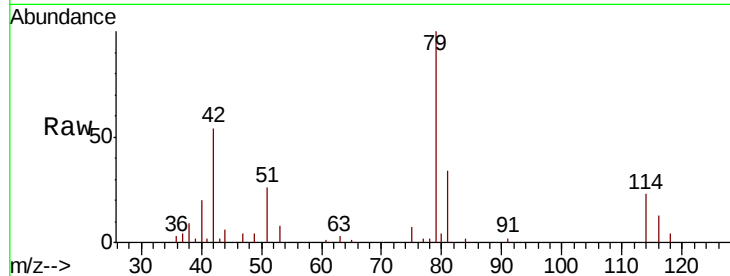
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 651

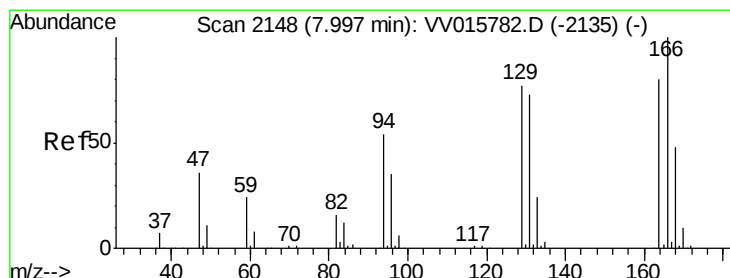
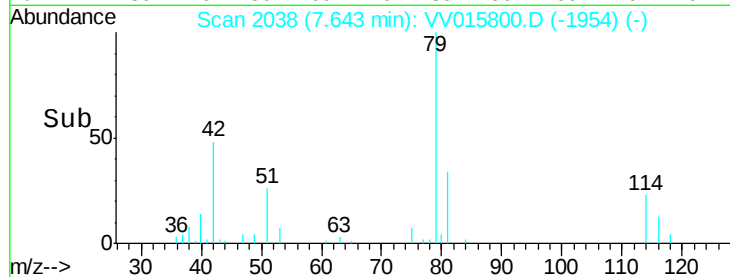
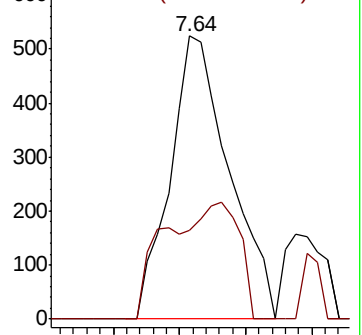
Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.6



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



#47

Tetrachloroethene

Concen: 0.841 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV015800.D

Acq: 29 Apr 2020 18:12

Tgt Ion: 164 Resp: 5928

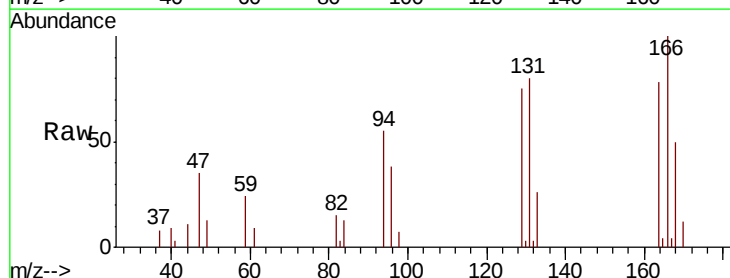
Ion Ratio Lower Upper

164 100

129 95.6 66.7 123.9

131 101.5 66.6 123.6

166 127.6 85.3 158.5

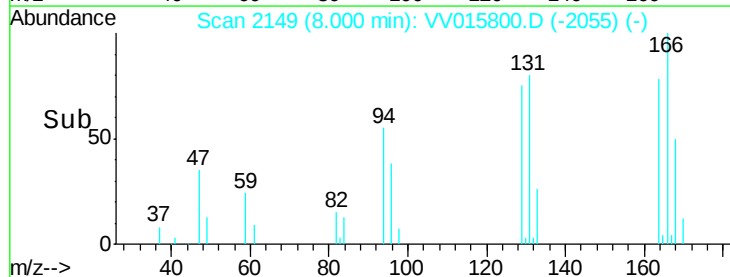
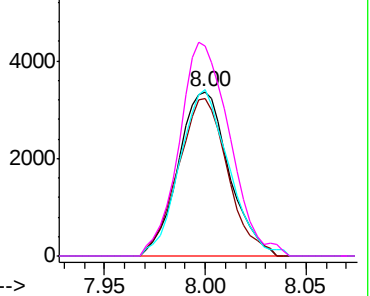


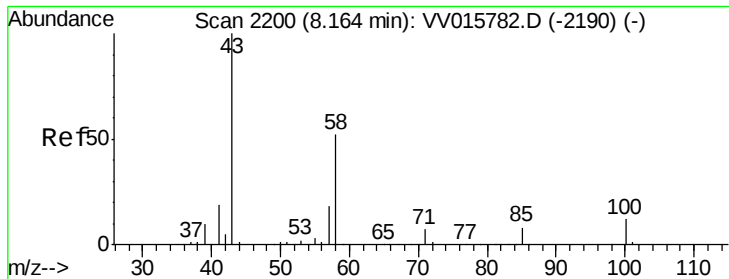
Abundance Ion 163.90 (163.60 to 164.60): VV015782.D (-2135) (-)

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) (-)

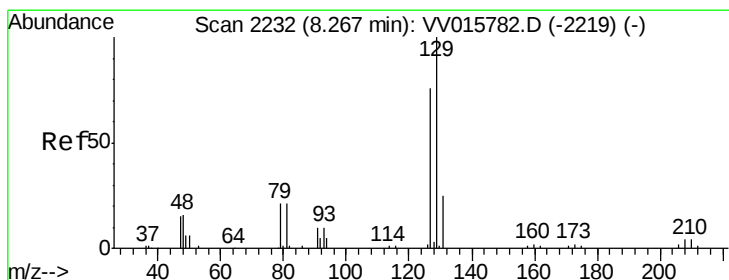
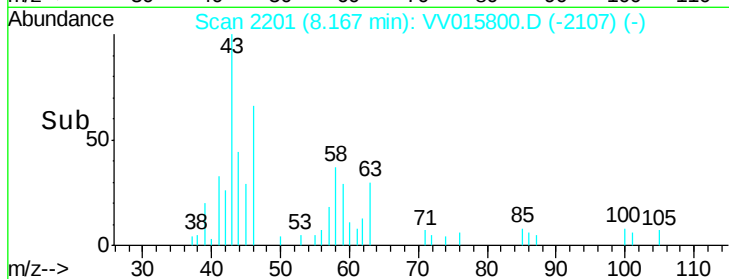
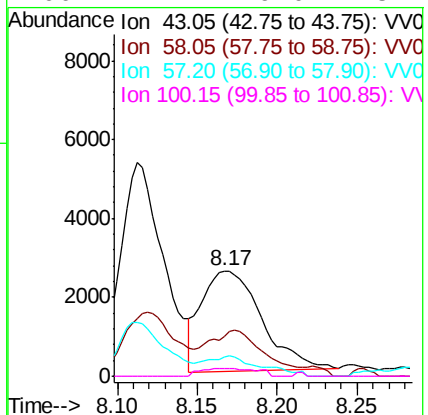
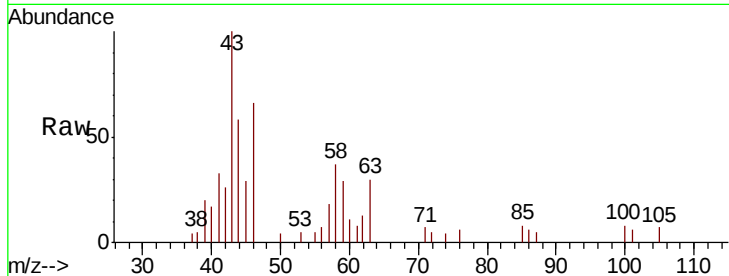




#48
2-Hexanone
Concen: 1.584 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV015800.D
Acq: 29 Apr 2020 18:12

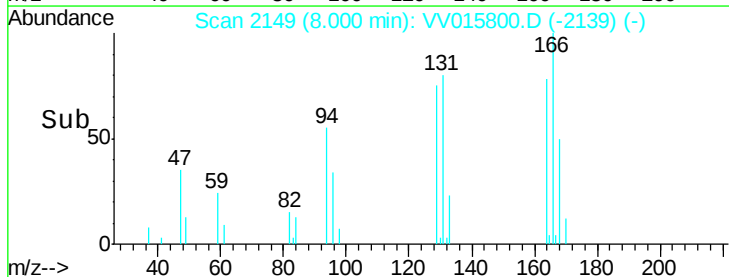
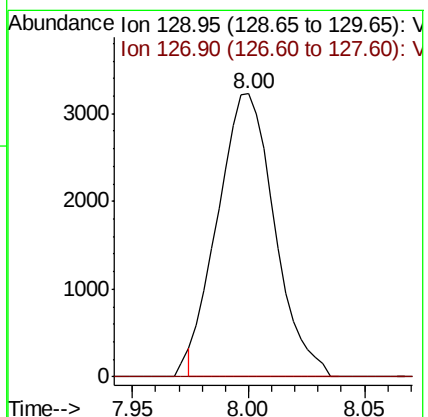
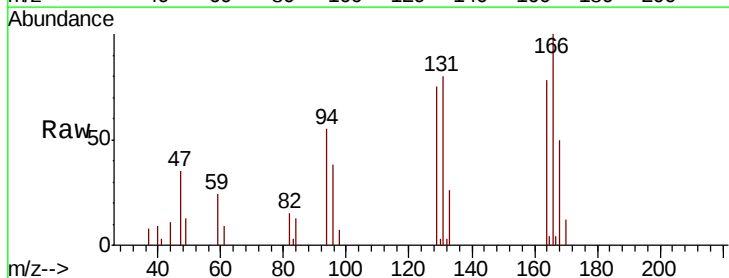
Instrument :
MSVOA_V
ClientSampleId :

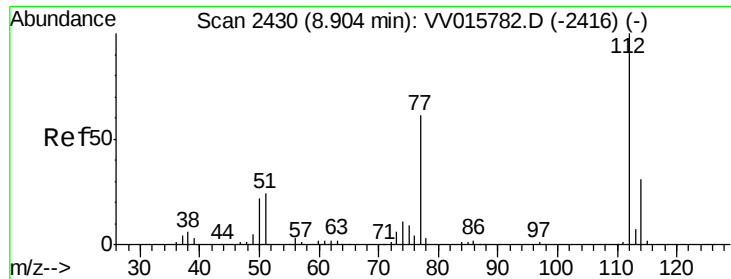
Tot Ion: 43 Resp: 6608
Ion Ratio Lower Upper
43 100
58 43.2 41.1 61.7
57 17.5 15.0 22.4
100 7.4 9.0 13.4#



#49
Dibromochloromethane
Concen: 0.863 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.27 min
Lab File: VV015800.D
Acq: 29 Apr 2020 18:12

Tgt Ion: 129 Resp: 5487
Ion Ratio Lower Upper
129 100
127 0.0 52.6 97.8#





#51
 Chlorobenzene
 Concen: 5.955 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV015800.D
 Acq: 29 Apr 2020 18:12

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	21.6	40.2
77	63.0	48.9	73.3

