

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
 Data File : VV015805.D
 Acq On : 29 Apr 2020 20:10
 Operator : SY/MD
 Sample : L2421-09
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AF6

Quant Time: Apr 30 01:43:28 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	121845	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	120561	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	55899	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	37341	5.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	117.20%
7) Chloroethane-d5	1.57	69	33483	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.20%
11) 1,1-Dichloroethene-d2	2.12	63	54276	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.80%
20) 2-Butanone-d5	3.95	46	95371	46.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.30%
24) Chloroform-d	4.38	84	64803	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.06	65	41370	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.07	84	136536	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.10	67	42967	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.34	98	121640	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	7.65	79	13098	3.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.60%
46) 2-Hexanone-d5	8.12	63	67287	38.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.62%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	28636	4.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	44614	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

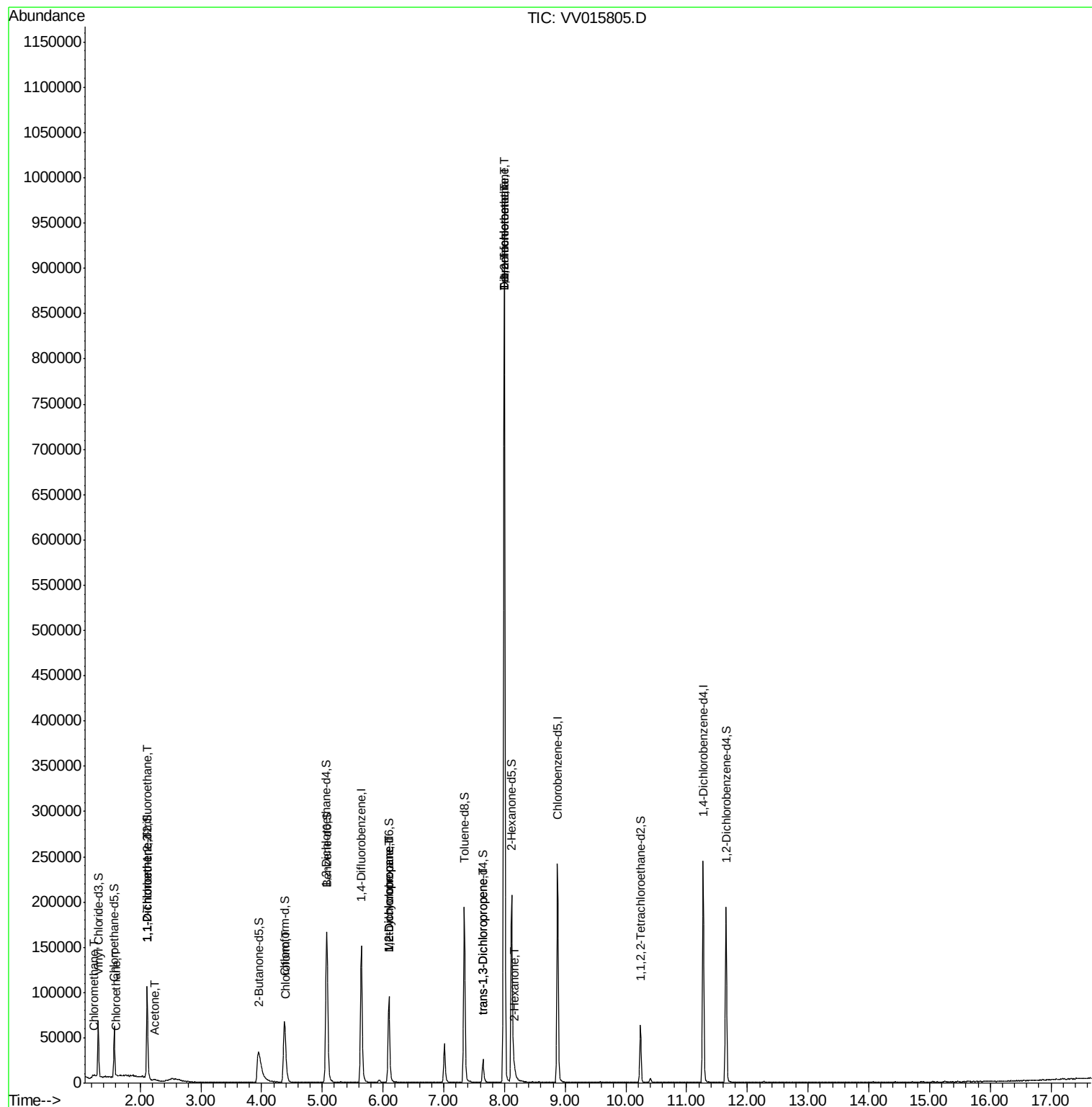
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.24	50	734	0.081	ug/L	95
8) Chloroethane	1.62	64	1723	0.272	ug/L	87
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	658	0.086	ug/L #	23
12) 1,1-Dichloroethene	2.12	96	704	0.099	ug/L #	1
13) Acetone	2.23	43	2596	1.829	ug/L	49
25) Chloroform	4.41	83	11656	0.704	ug/L	97
35) Methylcyclohexane	6.10	83	10506	0.720	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	5473	0.625	ug/L #	86
44) trans-1,3-Dichloropropene	7.65	75	788	0.077	ug/L	97
45) 1,1,2-Trichloroethane	7.99	97	2007	0.336	ug/L #	2
47) Tetrachloroethene	8.00	164	193198	28.207	ug/L	98
48) 2-Hexanone	8.17	43	6271	1.548	ug/L #	88
49) Dibromochloromethane	8.00	129	187103	30.296	ug/L #	12

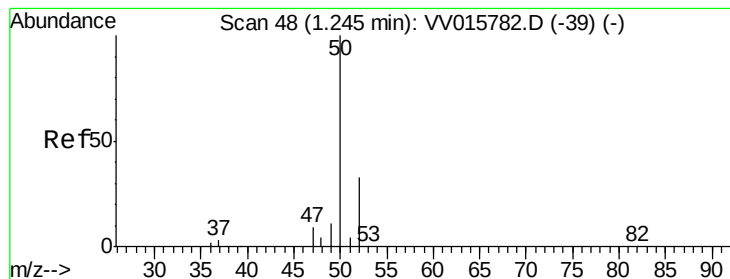
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#3

Chloromethane

Concen: 0.081 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015805.D

Acq: 29 Apr 2020 20:10

Instrument :

MSVOA_V

ClientSampleId :

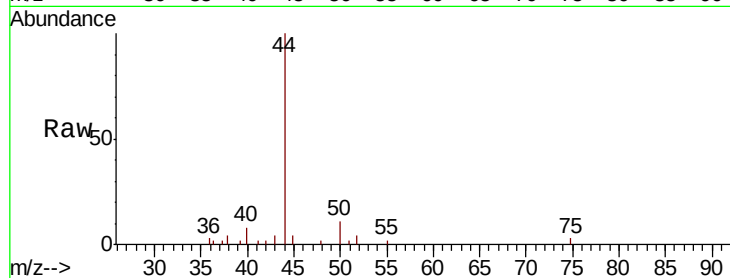
C0AF6

Tot Ion: 50 Resp: 734

Ion Ratio Lower Upper

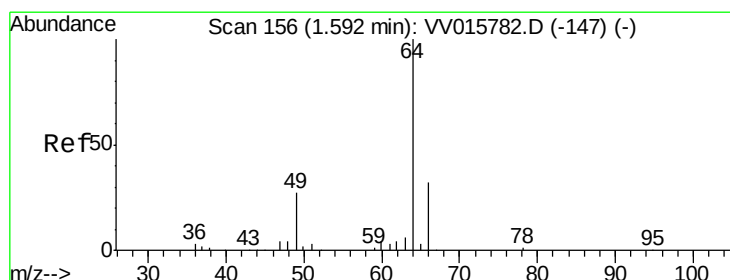
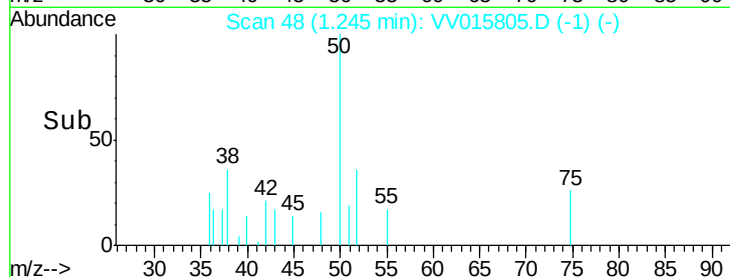
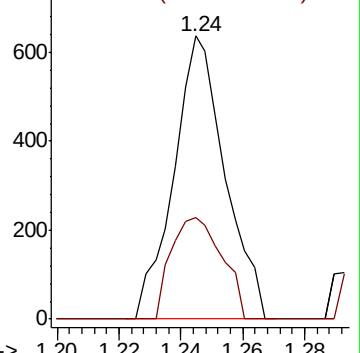
50 100

52 35.8 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV015782.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV015782.D (-39) (-)



#8

Chloroethane

Concen: 0.272 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.03 min

Lab File: VV015805.D

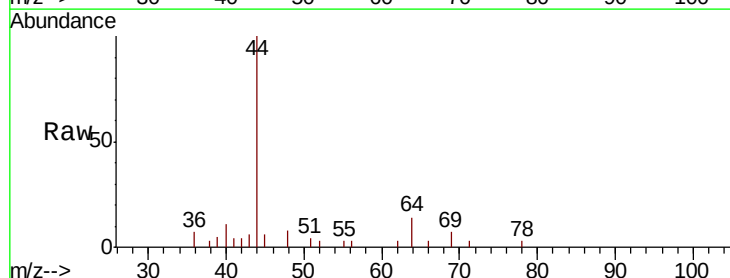
Acq: 29 Apr 2020 20:10

Tgt Ion: 64 Resp: 1723

Ion Ratio Lower Upper

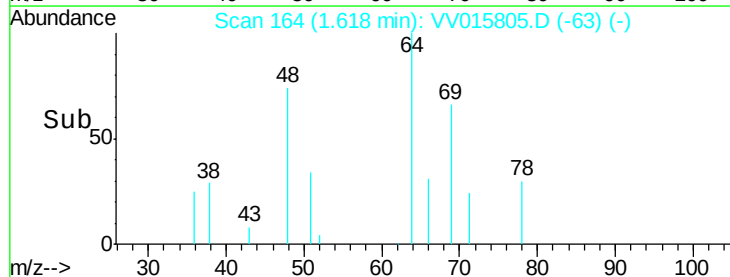
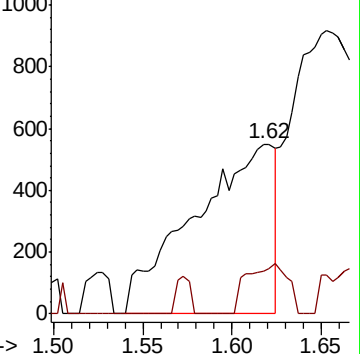
64 100

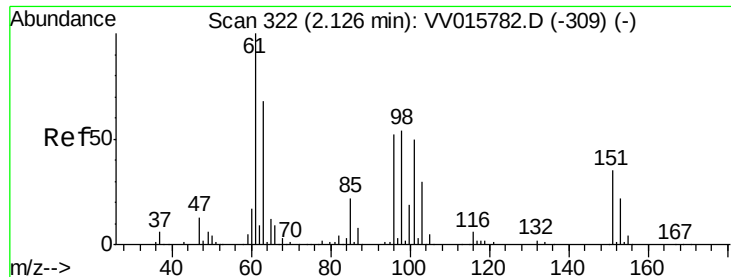
66 24.9 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015782.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV015782.D (-147) (-)





#10

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

Concen: 0.086 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV015805.D

Acq: 29 Apr 2020 20:10

Instrument :

MSVOA_V

ClientSampled :

C0AF6

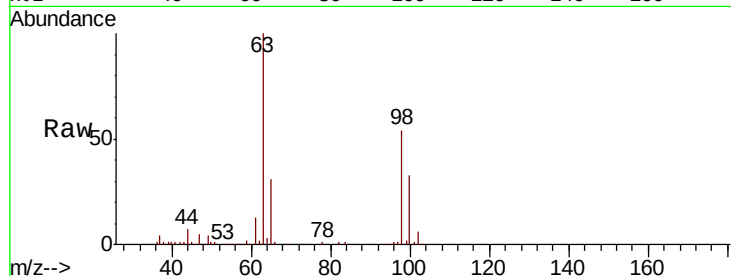
Tot Ion:101 Resp: 658

Ion Ratio Lower Upper

101 100

85 3.0 36.1 54.1#

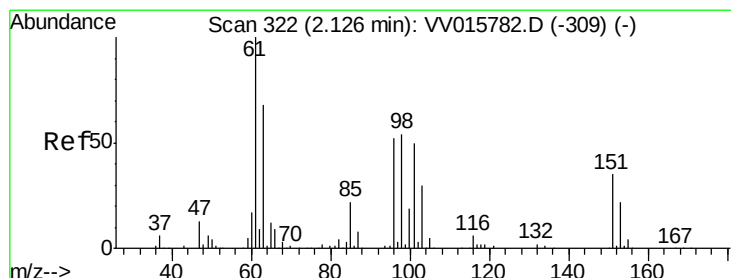
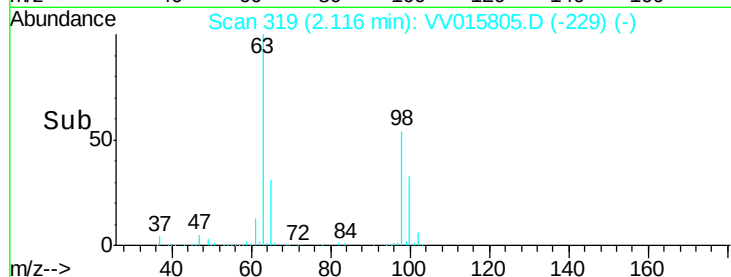
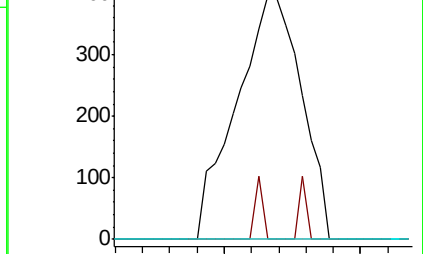
151 0.0 55.2 82.8#



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: 0.099 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV015805.D

Acq: 29 Apr 2020 20:10

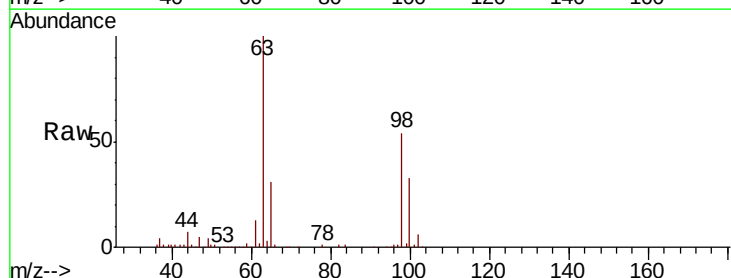
Tgt Ion: 96 Resp: 704

Ion Ratio Lower Upper

96 100

61 1082.1 130.1 241.7#

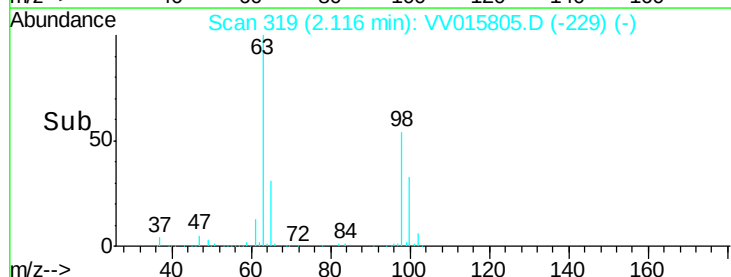
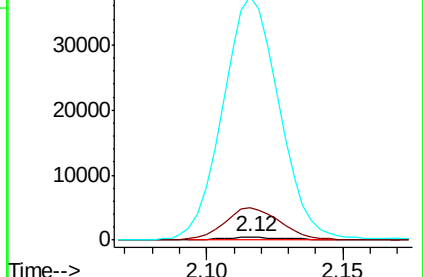
63 8194.3 91.4 169.8#

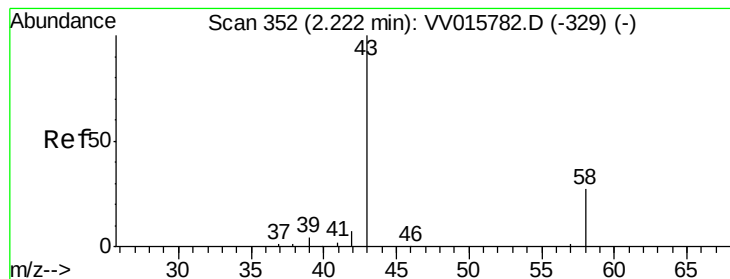


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.829 ug/L

RT: 2.23 min Scan# 356

Delta R.T. 0.01 min

Lab File: VV015805.D

Acq: 29 Apr 2020 20:10

Instrument :

MSVOA_V

ClientSampleId :

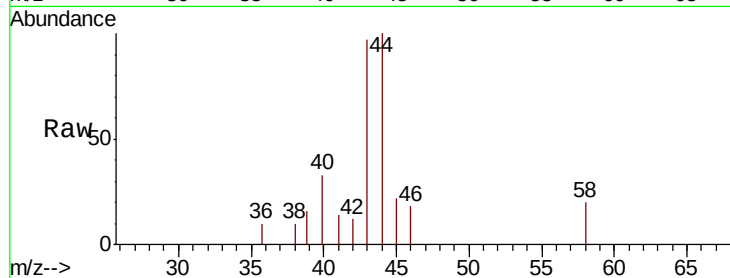
C0AF6

Tot Ion: 43 Resp: 2596

Ion Ratio Lower Upper

43 100

58 1.7 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) (-)

2.23

1200

1000

800

600

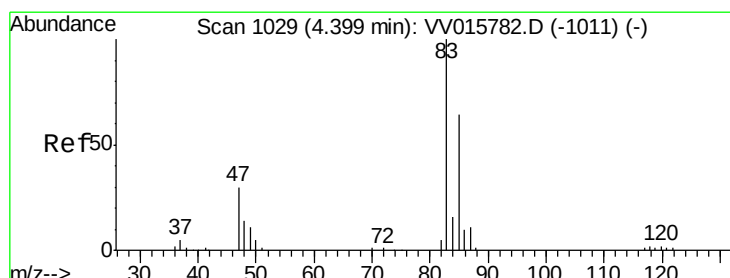
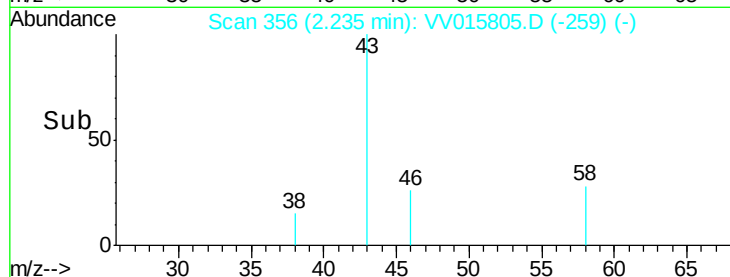
400

200

0

Time-->

2.15 2.20 2.25



#25

Chloroform

Concen: 0.704 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV015805.D

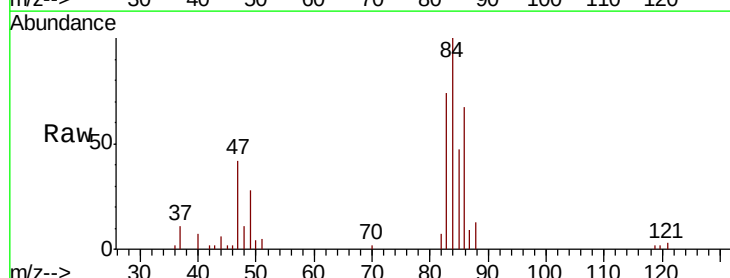
Acq: 29 Apr 2020 20:10

Tgt Ion: 83 Resp: 11656

Ion Ratio Lower Upper

83 100

85 63.2 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

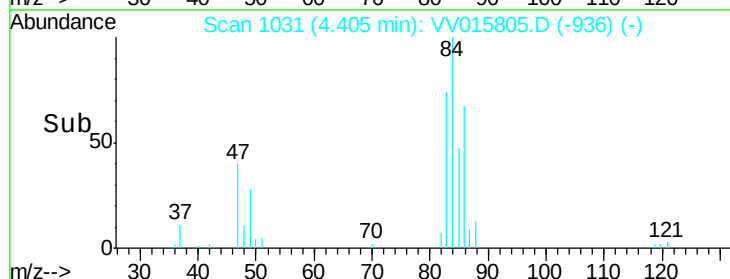
2000

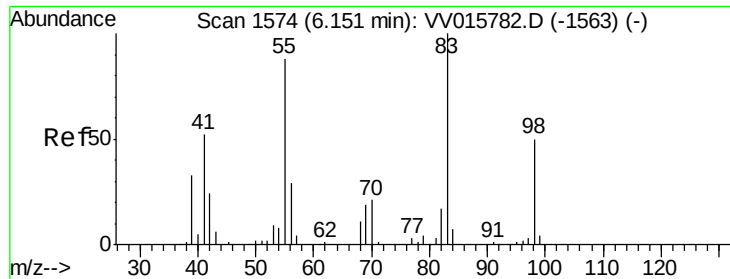
1000

0

Time-->

4.30 4.35 4.40 4.45 4.50

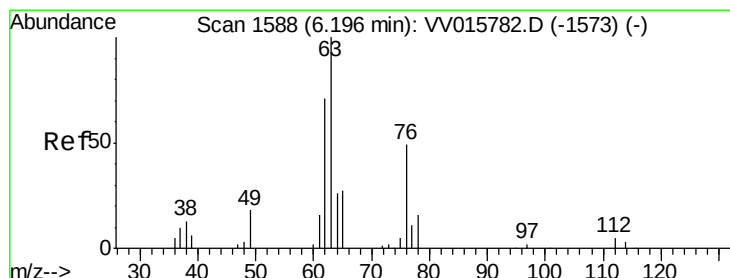
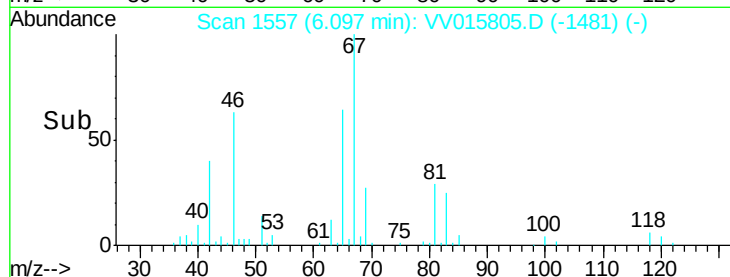
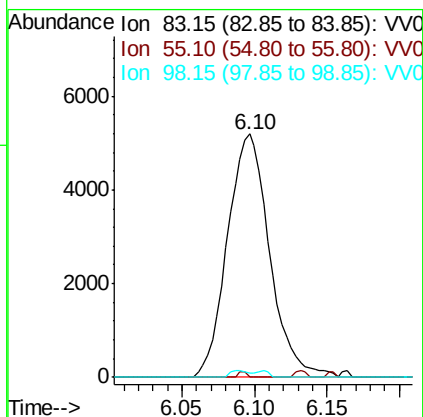
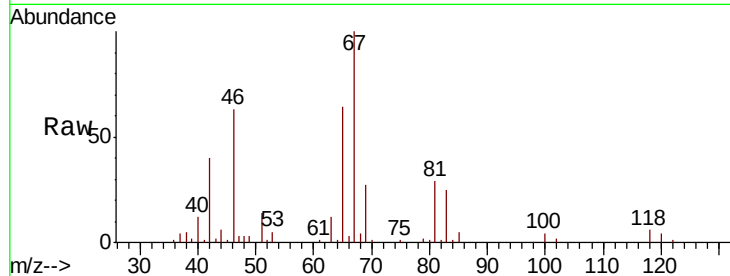




#35
Methylvlcyclohexane
Concen: 0.720 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV015805.D
Acq: 29 Apr 2020 20:10

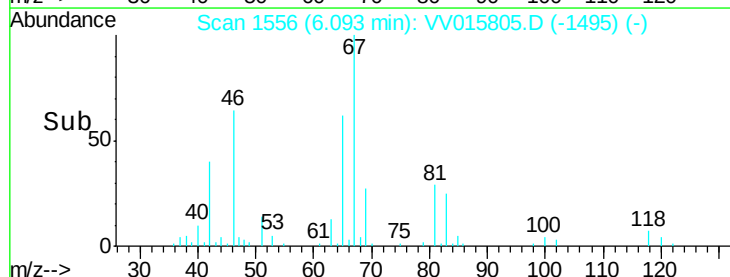
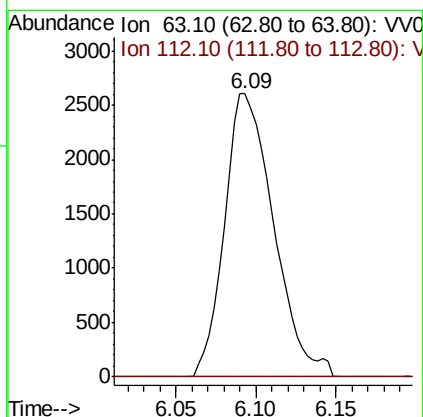
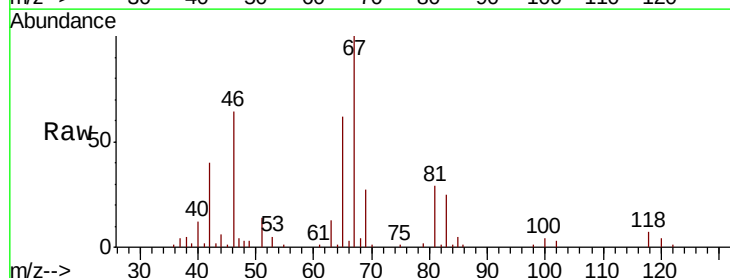
Instrument :
MSVOA_V
ClientSampleId :
C0AF6

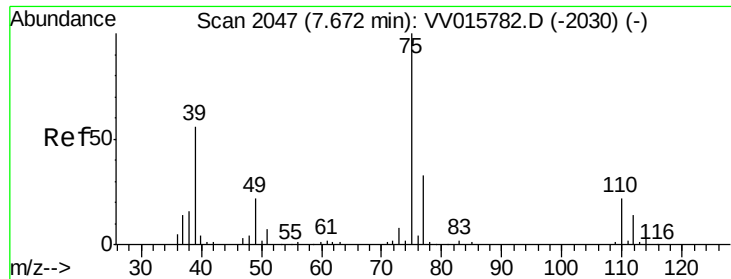
Tot Ion: 83 Resp: 10506
Ion Ratio Lower Upper
83 100
55 0.4 66.6 99.8#
98 1.2 39.5 59.3#



#37
1,2-Dichloropropane
Concen: 0.625 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV015805.D
Acq: 29 Apr 2020 20:10

Tgt Ion: 63 Resp: 5473
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#





#44

trans-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV015805.D

Acq: 29 Apr 2020 20:10

Instrument :

MSVOA_V

ClientSampleId :

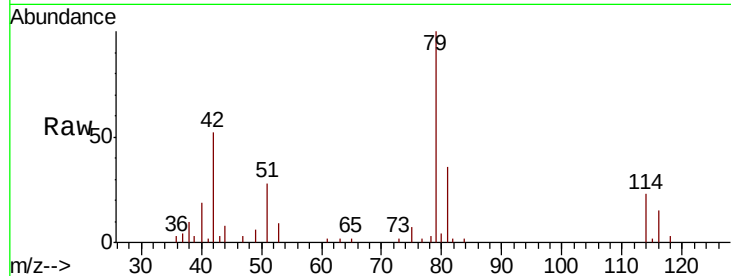
C0AF6

Tot Ion: 75 Resp: 788

Ion Ratio Lower Upper

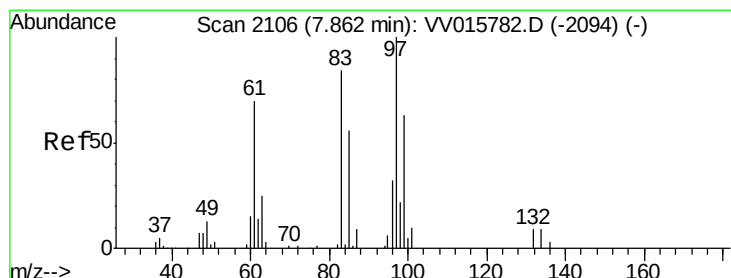
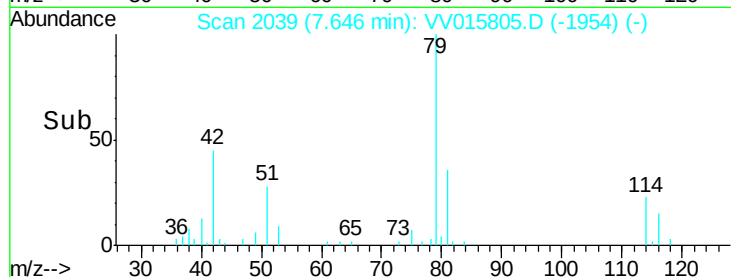
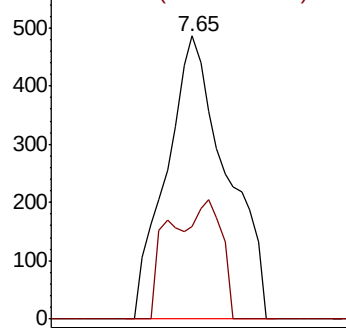
75 100

77 32.7 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#45

1,1,2-Trichloroethane

Concen: 0.336 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.13 min

Lab File: VV015805.D

Acq: 29 Apr 2020 20:10

Tgt Ion: 97 Resp: 2007

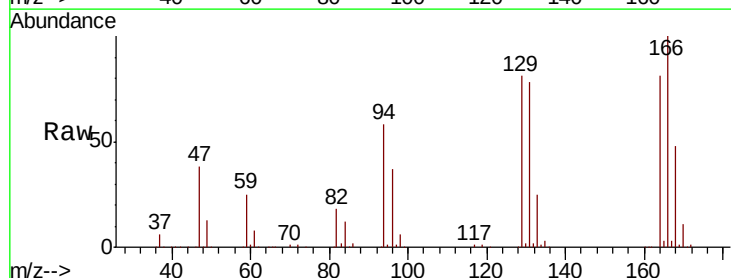
Ion Ratio Lower Upper

97 100

99 23.2 45.4 84.4#

83 260.3 61.3 113.9#

85 46.4 38.4 71.4

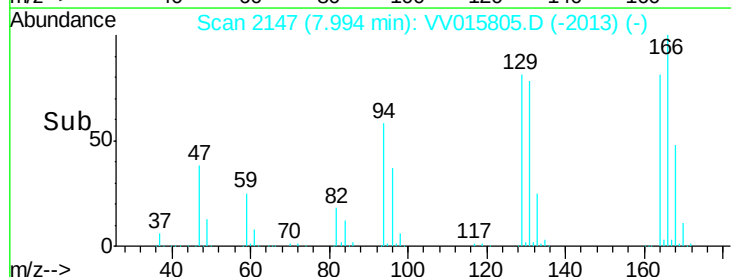
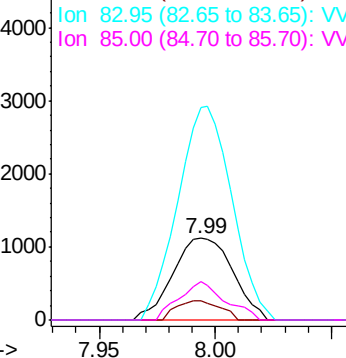


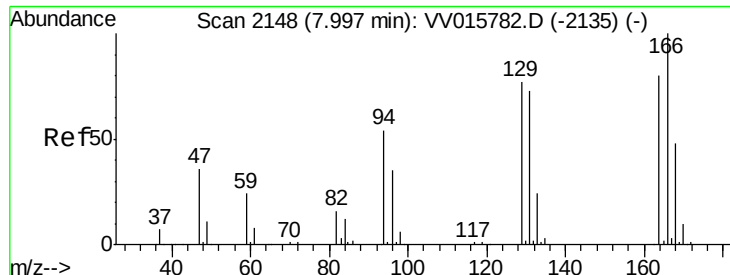
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0





#47

Tetrachloroethene

Concen: 28.207 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015805.D

Acq: 29 Apr 2020 20:10

Instrument :
MSVOA_V
ClientSampleId :
C0AF6

Tot Ion:164 Resp: 193198

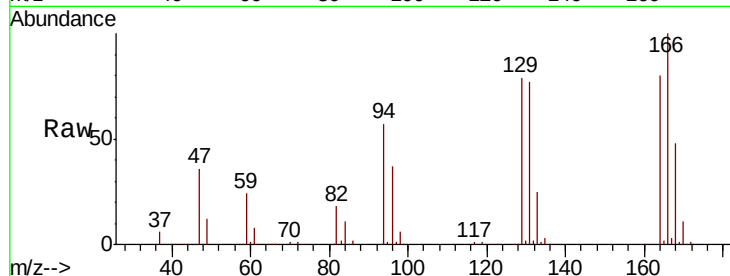
Ion Ratio Lower Upper

164 100

129 99.0 66.7 123.9

131 95.8 66.6 123.6

166 124.7 85.3 158.5

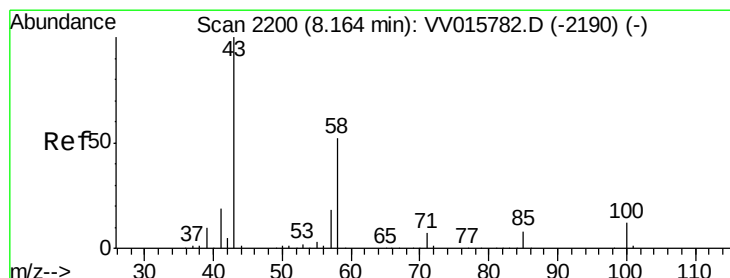
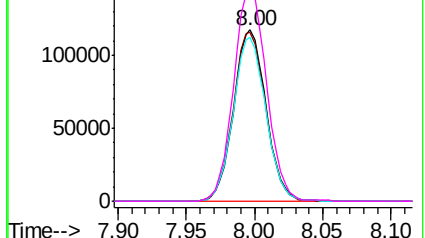
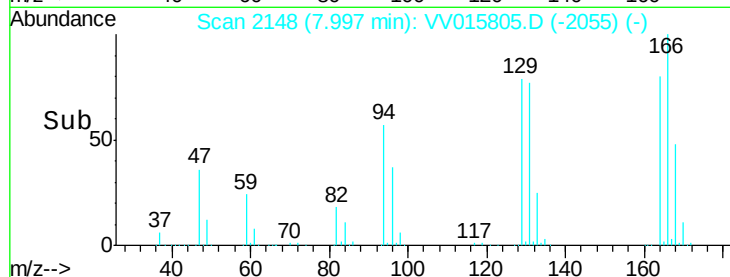


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.548 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.01 min

Lab File: VV015805.D

Acq: 29 Apr 2020 20:10

Tgt Ion: 43 Resp: 6271

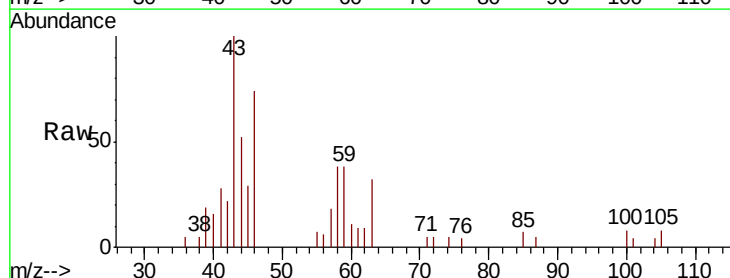
Ion Ratio Lower Upper

43 100

58 41.0 41.1 61.7#

57 17.2 15.0 22.4

100 5.3 9.0 13.4#

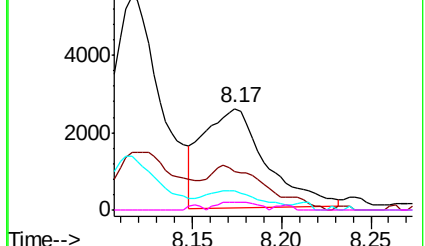
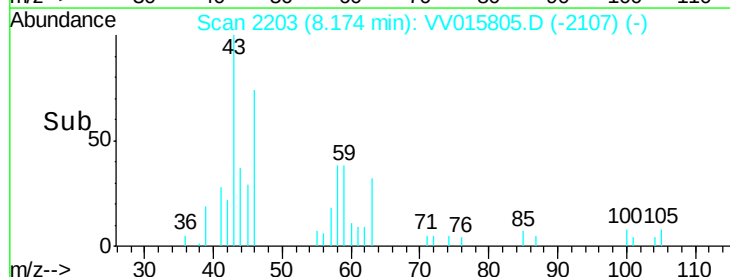


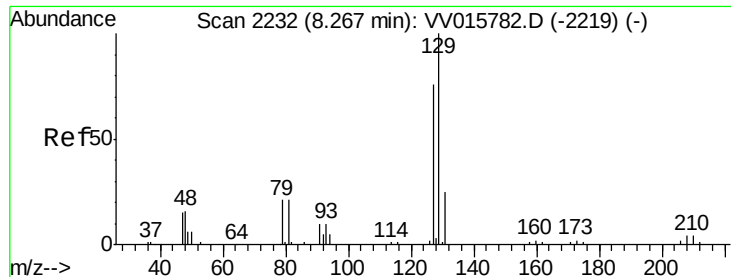
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 30.296 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015805.D

Acq: 29 Apr 2020 20:10

Instrument :

MSVOA_V

ClientSampleId :

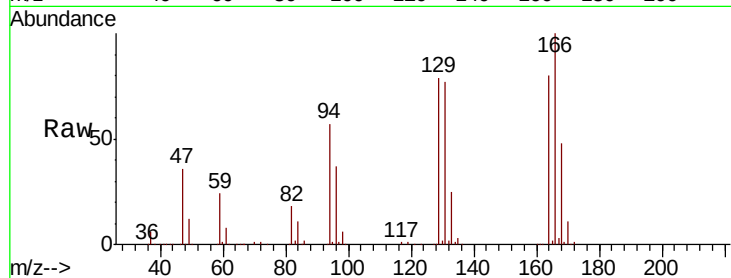
C0AF6

Tot Ion:129 Resp: 187103

Ion Ratio Lower Upper

129 100

127 0.1 52.6 97.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

