

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
 Data File : VV015797.D
 Acq On : 29 Apr 2020 17:02
 Operator : SY/MD
 Sample : L2421-17
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFSC2

Quant Time: Apr 30 01:40:54 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	125848	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	123584	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	57190	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	38082	5.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.80%
7) Chloroethane-d5	1.58	69	34267	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.20%
11) 1,1-Dichloroethene-d2	2.12	63	55260	3.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.80%
20) 2-Butanone-d5	3.91	46	89130	42.21	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.42%
24) Chloroform-d	4.38	84	66157	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	5.06	65	41036	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.08	84	139679	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.10	67	44084	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.34	98	127246	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	7.65	79	13798	3.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.60%
46) 2-Hexanone-d5	8.11	63	63737	35.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.72%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	28726	4.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	45290	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

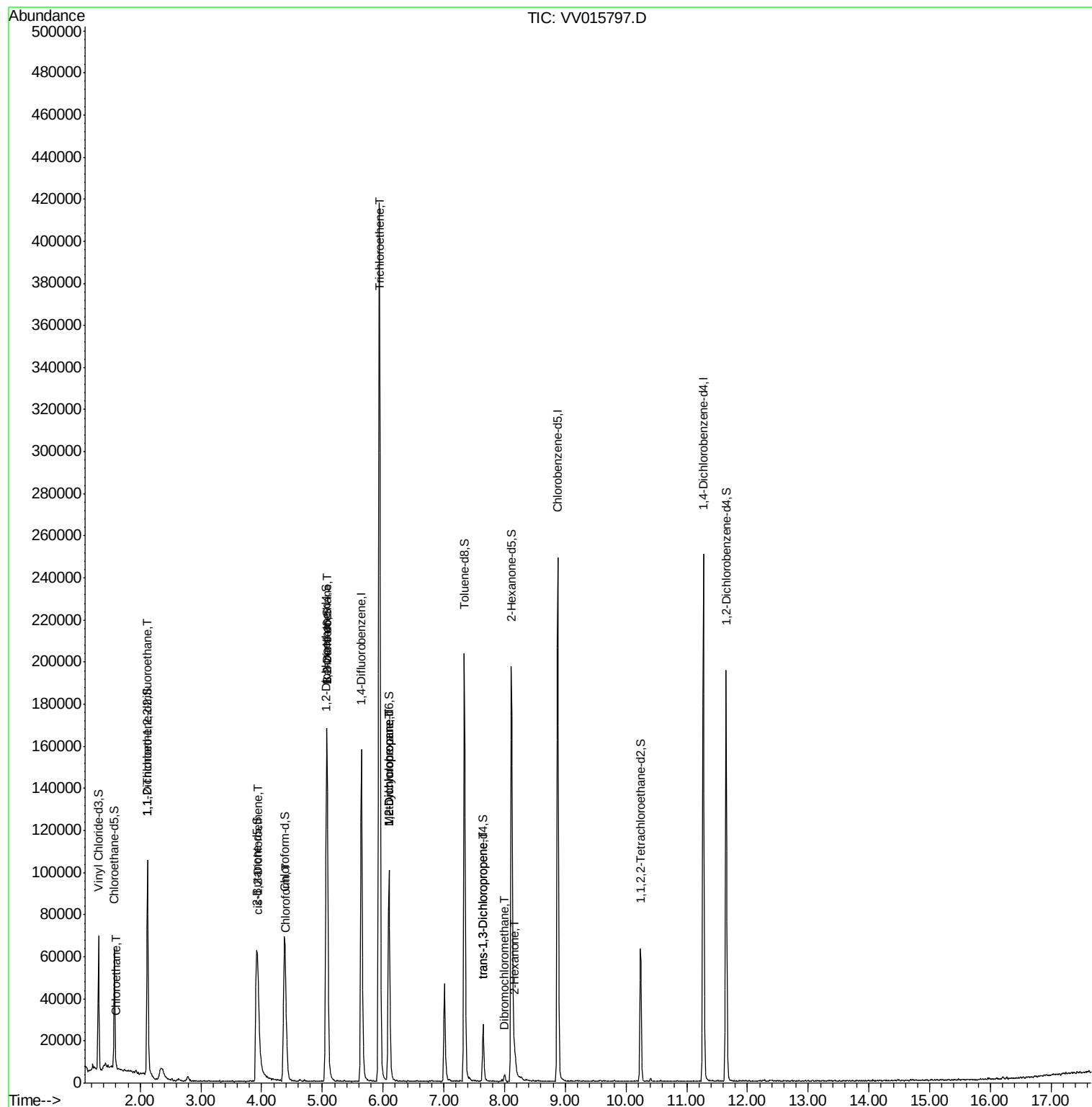
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.61	64	638	0.098	ug/L #	63
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	577	0.073	ug/L #	22
22) cis-1,2-Dichloroethene	3.94	96	6619	0.730	ug/L	95
25) Chloroform	4.41	83	14973	0.876	ug/L	99
27) 1,2-Dichloroethane	5.07	62	1009	0.090	ug/L #	78
34) Trichloroethene	5.94	95	142660	14.630	ug/L	99
35) Methylcyclohexane	6.10	83	10122	0.676	ug/L #	21
37) 1,2-Dichloropropane	6.10	63	5342	0.595	ug/L #	86
44) trans-1,3-Dichloropropene	7.65	75	705	0.067	ug/L #	65
48) 2-Hexanone	8.17	43	5896	1.419	ug/L #	93
49) Dibromochloromethane	8.00	129	661	0.104	ug/L #	12

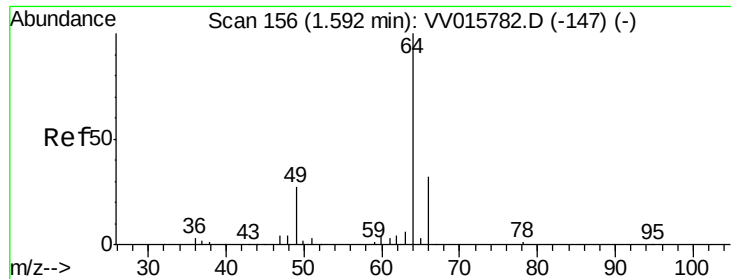
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.098 ug/L

RT: 1.61 min Scan# 161

Delta R.T. 0.02 min

Lab File: VV015797.D

Acq: 29 Apr 2020 17:02

Instrument :

MSVOA_V

ClientSampleId :

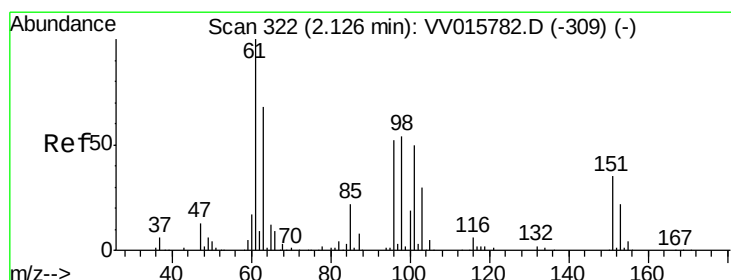
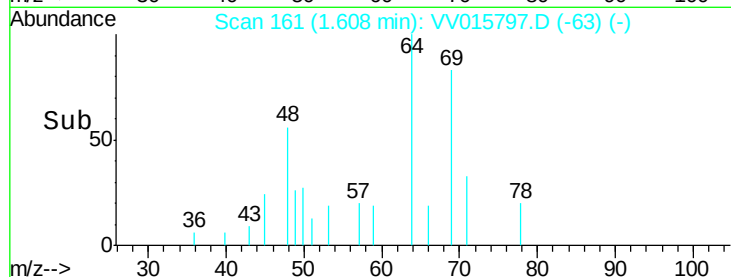
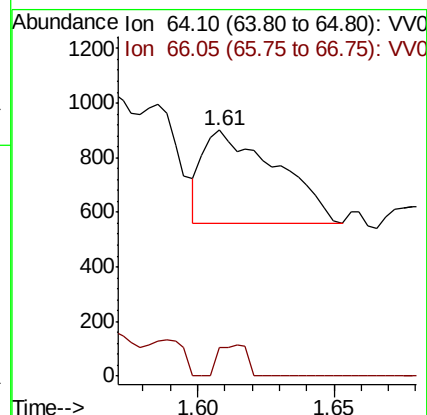
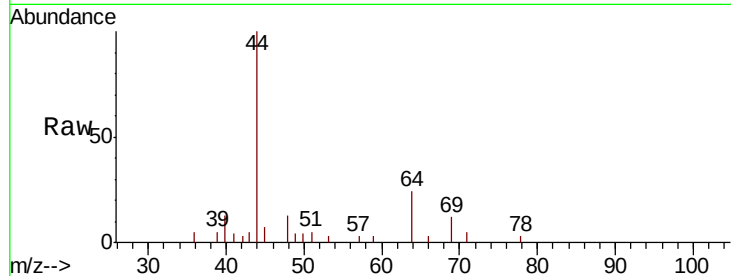
BFSC2

Tot Ion: 64 Resp: 638

Ion Ratio Lower Upper

64 100

66 11.4 22.3 41.5#



#10

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

Concen: 0.073 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015797.D

Acq: 29 Apr 2020 17:02

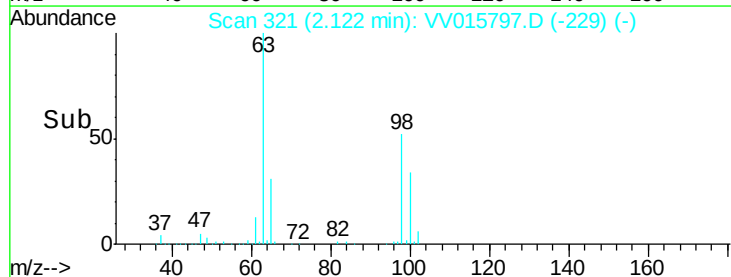
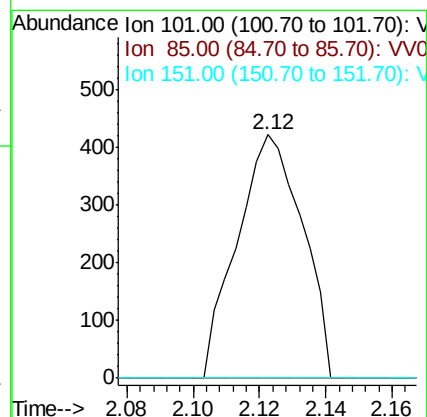
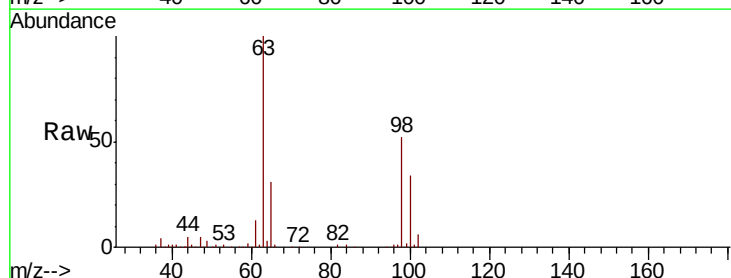
Tgt Ion: 101 Resp: 577

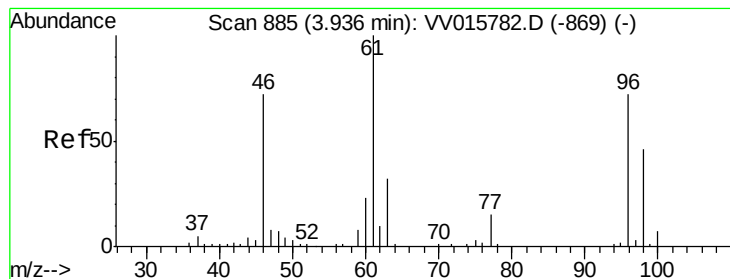
Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

151 0.0 55.2 82.8#





#22

cis-1,2-Dichloroethene

Concen: 0.730 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV015797.D

Acq: 29 Apr 2020 17:02

Instrument :

MSVOA_V

ClientSampleId :

BFSC2

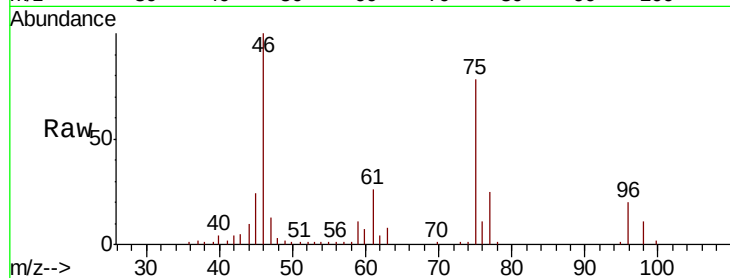
Tot Ion: 96 Resp: 6619

Ion Ratio Lower Upper

96 100

61 132.0 96.4 179.0

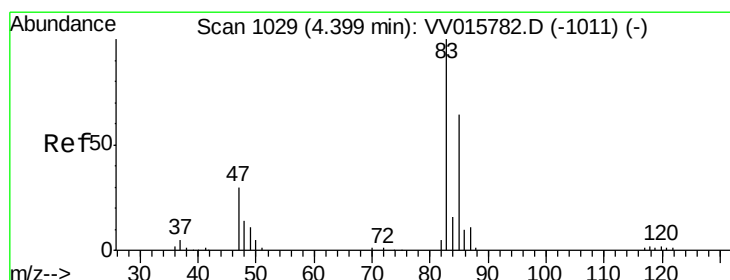
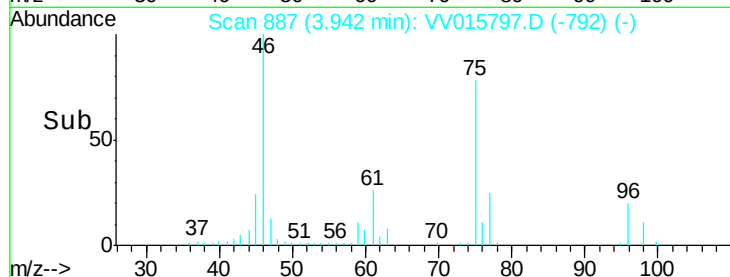
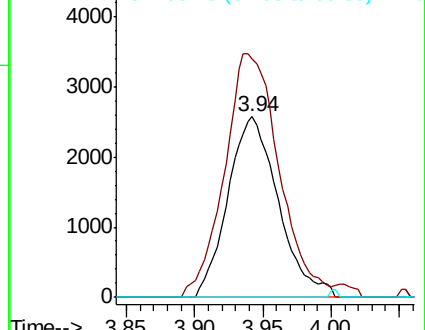
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV015782.D (-869) (-)

Ion 61.05 (60.75 to 61.75): VV015782.D (-869) (-)

Ion 68.15 (67.85 to 68.85): VV015782.D (-869) (-)



#25

Chloroform

Concen: 0.876 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV015797.D

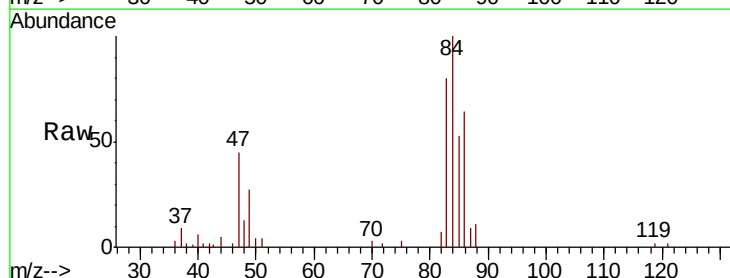
Acq: 29 Apr 2020 17:02

Tgt Ion: 83 Resp: 14973

Ion Ratio Lower Upper

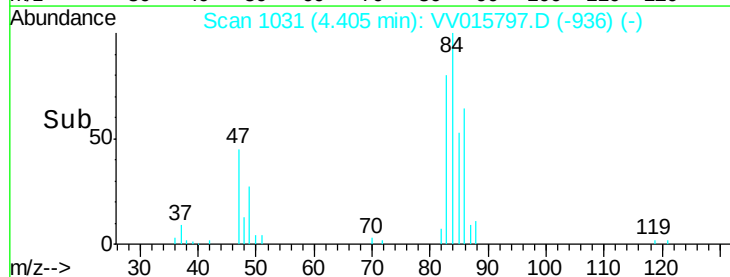
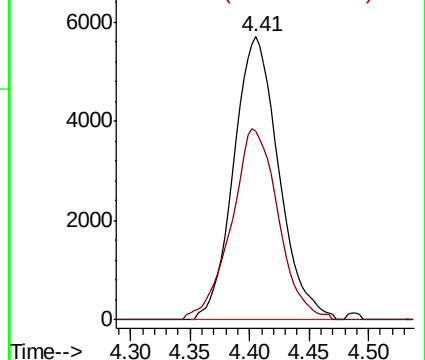
83 100

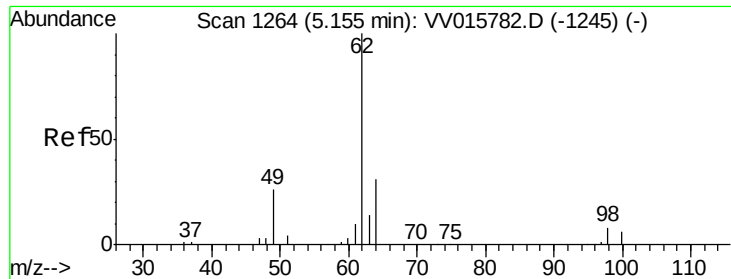
85 66.7 46.1 85.5



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

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

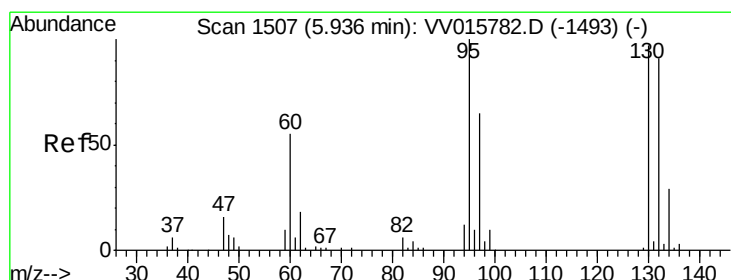
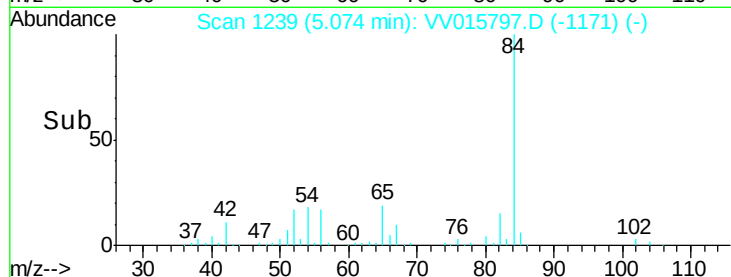
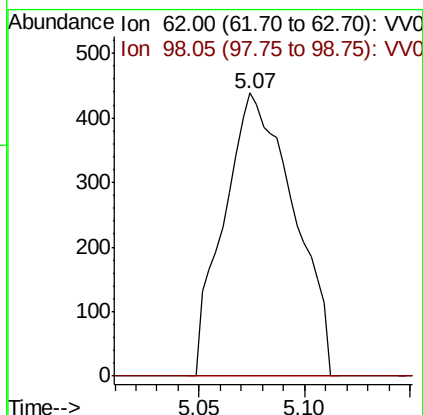
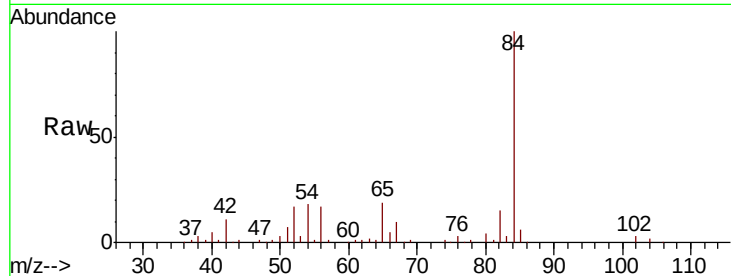




#27
 1,2-Dichloroethane
 Concen: 0.090 ug/L
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.08 min
 Lab File: VV015797.D
 Acq: 29 Apr 2020 17:02

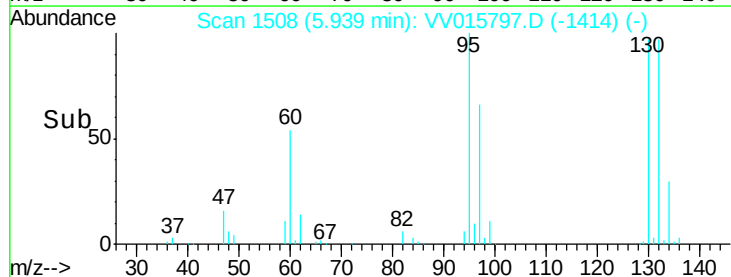
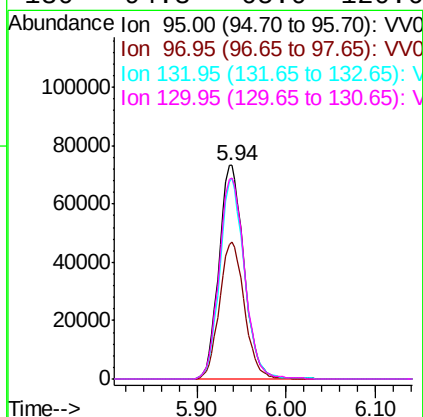
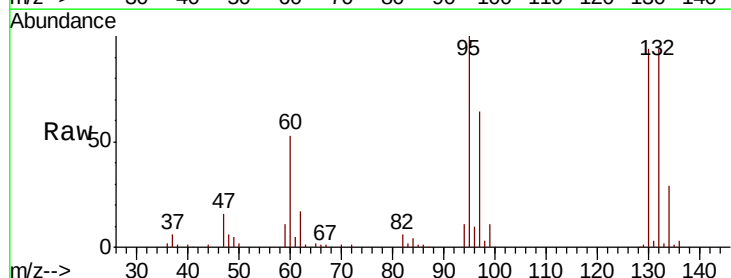
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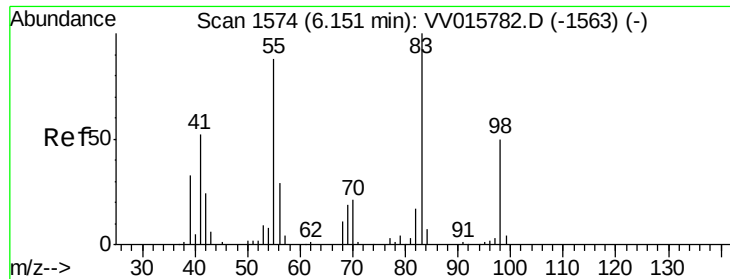
Tot Ion: 62 Resp: 1009
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.3 9.5#



#34
 Trichloroethene
 Concen: 14.630 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015797.D
 Acq: 29 Apr 2020 17:02

Tgt Ion: 95 Resp: 142660
 Ion Ratio Lower Upper
 95 100
 97 64.0 44.7 82.9
 132 94.4 65.2 121.0
 130 94.3 65.0 120.6

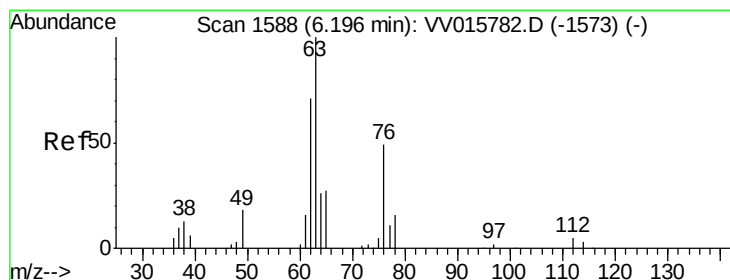
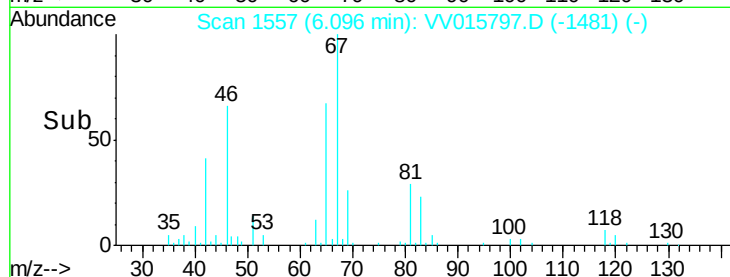
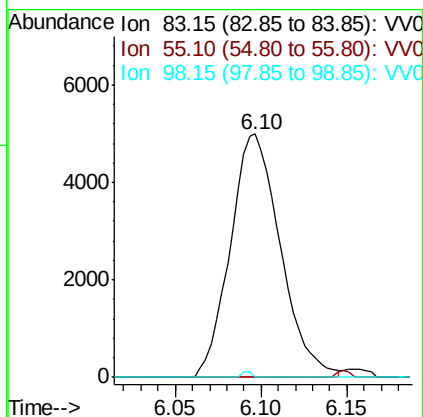
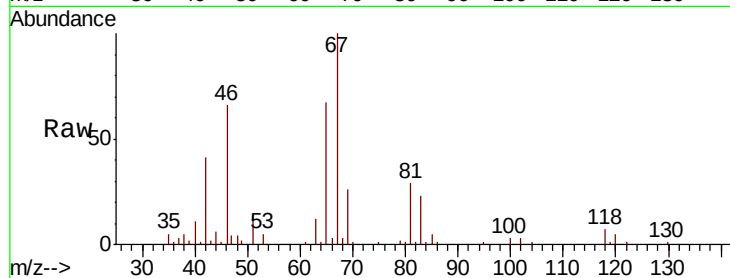




#35
Methylvlcyclohexane
Concen: 0.676 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV015797.D
Acq: 29 Apr 2020 17:02

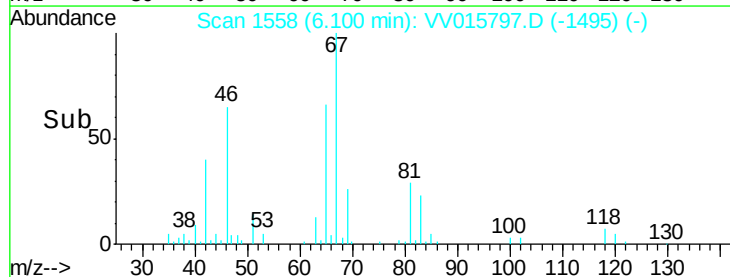
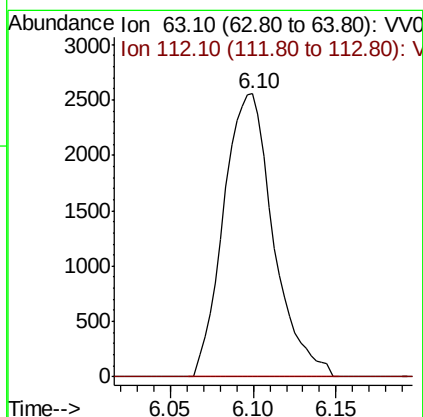
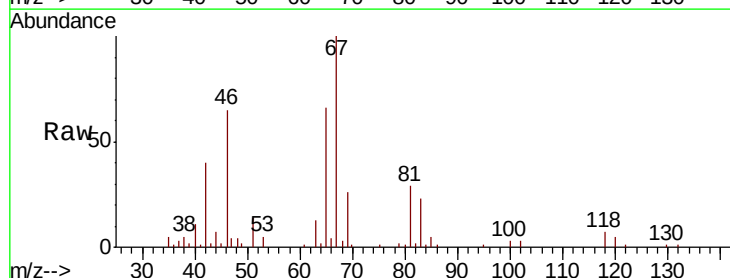
Instrument :
MSVOA_V
ClientSampleId :
BFSC2

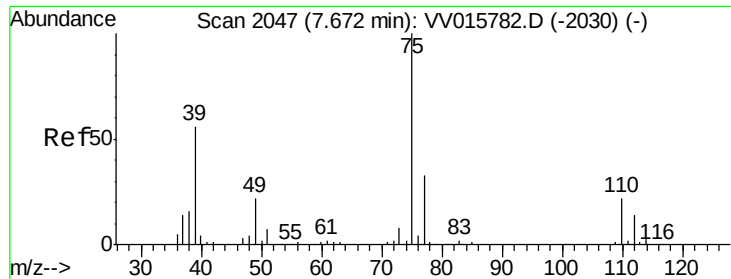
Tot Ion: 83 Resp: 10122
Ion Ratio Lower Upper
83 100
55 0.7 66.6 99.8#
98 9.2 39.5 59.3#



#37
1,2-Dichloropropane
Concen: 0.595 ug/L
RT: 6.10 min Scan# 1558
Delta R.T. -0.10 min
Lab File: VV015797.D
Acq: 29 Apr 2020 17:02

Tgt Ion: 63 Resp: 5342
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#





#44

trans-1,3-Dichloropropene

Concen: 0.067 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV015797.D

Acq: 29 Apr 2020 17:02

Instrument :

MSVOA_V

ClientSampleId :

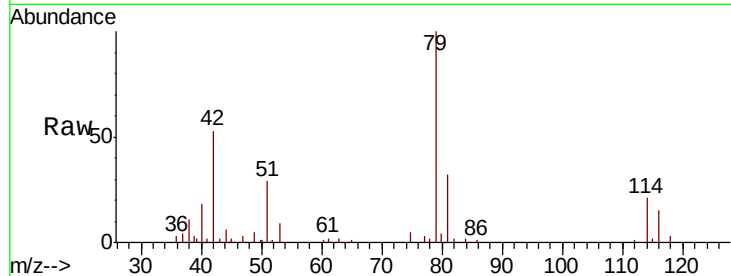
BFSC2

Tot Ion: 75 Resp: 705

Ion Ratio Lower Upper

75 100

77 50.5 21.8 40.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.65

400

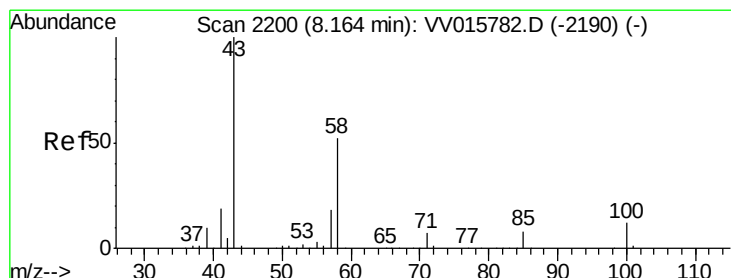
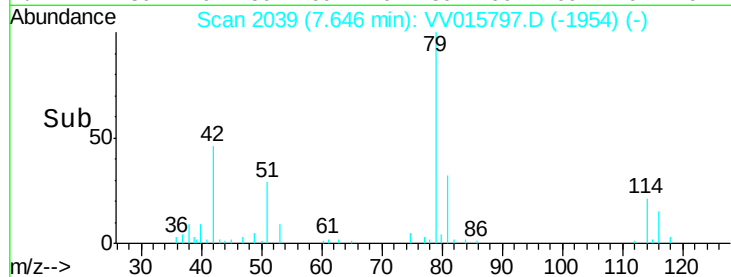
300

200

100

0

Time--> 7.60 7.65



#48

2-Hexanone

Concen: 1.419 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VV015797.D

Acq: 29 Apr 2020 17:02

Tgt Ion: 43 Resp: 5896

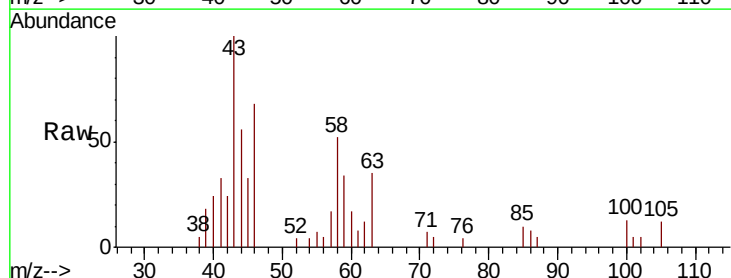
Ion Ratio Lower Upper

43 100

58 54.1 41.1 61.7

57 9.3 15.0 22.4#

100 10.6 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

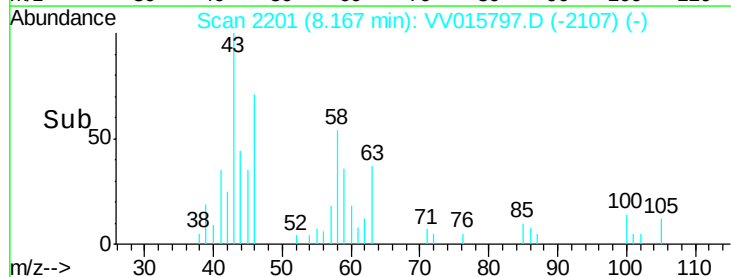
6000

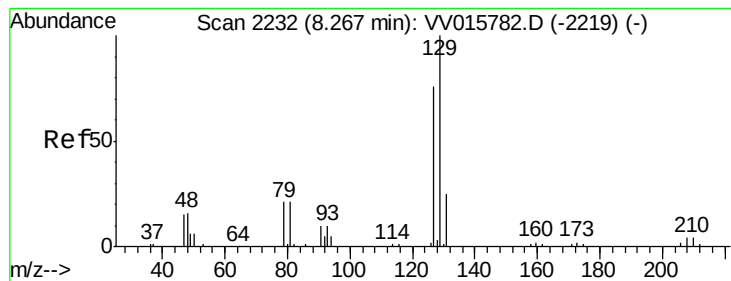
4000

2000

0

Time--> 8.10 8.15 8.20 8.25





#49

Dibromochloromethane

Concen: 0.104 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.27 min

Lab File: VV015797.D

Acq: 29 Apr 2020 17:02

Instrument :

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ClientSampleId :

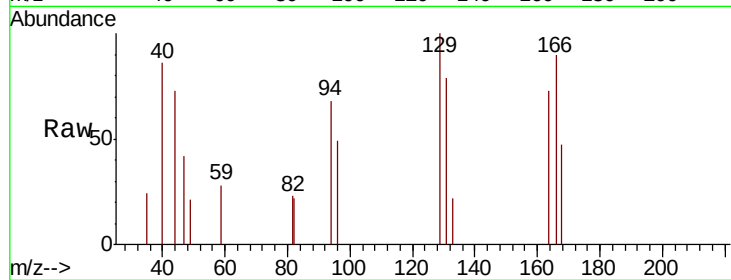
BFSC2

Tot Ion:129 Resp: 661

Ion Ratio Lower Upper

129 100

127 0.0 52.6 97.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

