

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
 Data File : VV016302.D
 Acq On : 29 May 2020 02:19
 Operator : SY/MD
 Sample : L2662-05
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 29 04:25:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 29 04:21:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	86909	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	83170	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	37404	5.00	ug/L	0.00

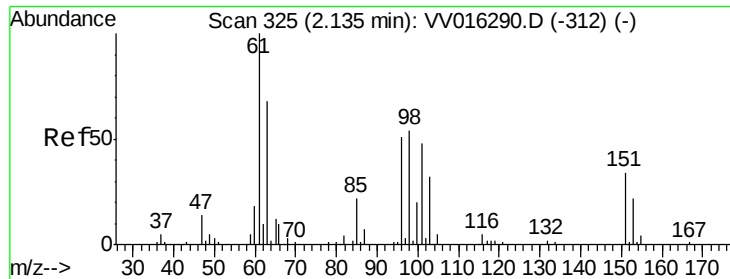
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26522	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.58	69	21200	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.40%
11) 1,1-Dichloroethene-d2	2.13	63	37887	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.20%
20) 2-Butanone-d5	3.94	46	69527	50.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.44%
24) Chloroform-d	4.38	84	48222	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	5.06	65	27560	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.08	84	98440	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.10	67	29986	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.34	98	86851	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
45) trans-1,3-Dichloropropene-	7.65	79	9988	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
48) 2-Hexanone-d5	8.12	63	50278	46.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.28%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	21206	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	31385	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	377	0.070	ug/L #	21
12) 1,1-Dichloroethene	2.14	96	857	0.167	ug/L #	1
14) Carbon disulfide	2.31	76	728	0.046	ug/L #	75
22) cis-1,2-Dichloroethene	3.94	96	12979	1.956	ug/L	94
25) Chloroform	4.40	83	2005	0.178	ug/L	89
27) 1,2-Dichloroethane	5.07	62	690	0.094	ug/L #	79
34) Trichloroethene	5.94	95	47250	7.578	ug/L	98
35) Methylcyclohexane	6.10	83	7213	0.686	ug/L #	18
37) 1,2-Dichloropropane	6.10	63	3607	0.614	ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	788	0.095	ug/L	86
46) trans-1,3-Dichloropropene	7.64	75	462	0.067	ug/L #	75
50) 2-Hexanone	8.12	43	7953	3.123	ug/L #	75
70) Naphthalene	13.53	128	3429	0.221	ug/L	98

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



#10

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

Concen: 0.070 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV016302.D

Acq: 29 May 2020 02:19

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MSVOA_V

ClientSampleId :

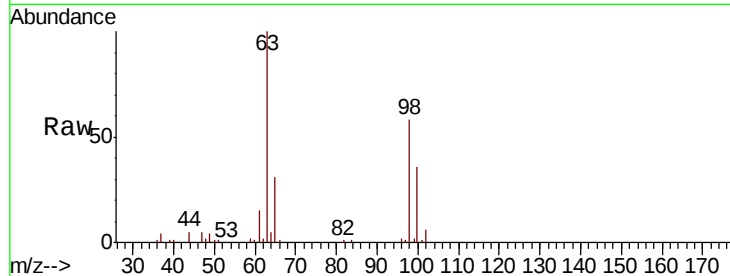
Tot Ion:101 Resp: 377

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.6#

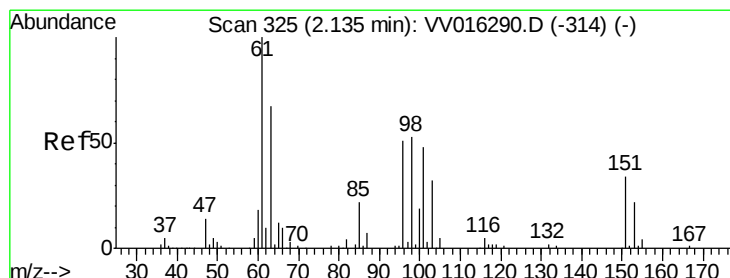
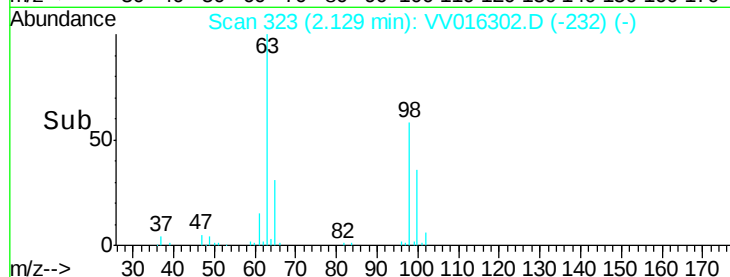
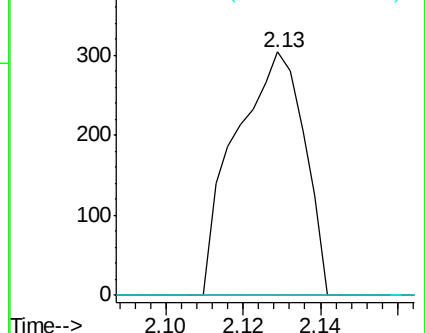
151 0.0 56.3 84.5#



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: 0.167 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016302.D

Acq: 29 May 2020 02:19

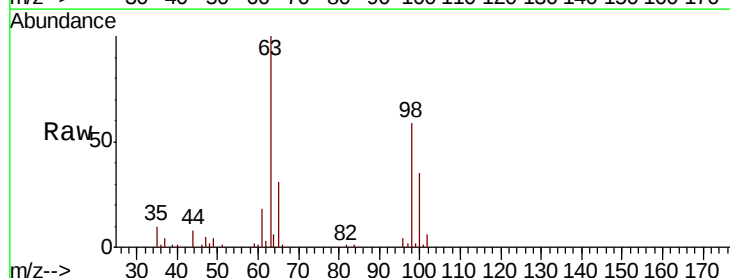
Tgt Ion: 96 Resp: 857

Ion Ratio Lower Upper

96 100

61 458.6 124.9 231.9#

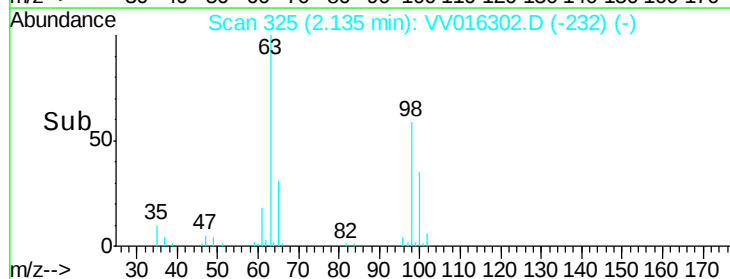
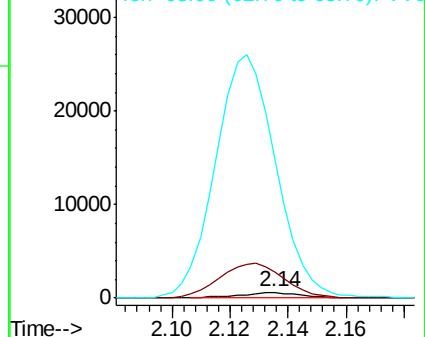
63 2480.8 80.4 149.2#

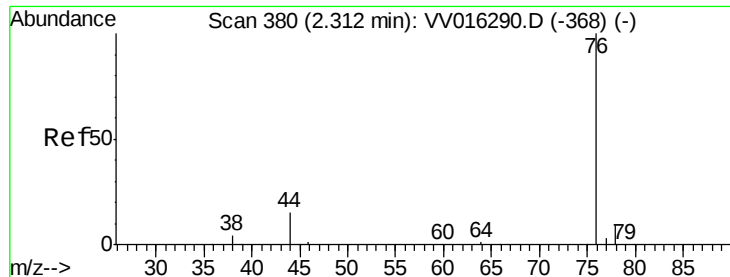


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.046 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016302.D

Acq: 29 May 2020 02:19

Instrument :

MSVOA_V

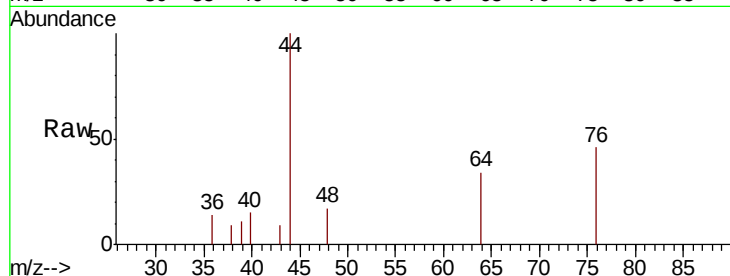
ClientSampleId :

Tot Ion: 76 Resp: 728

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

600

500

400

300

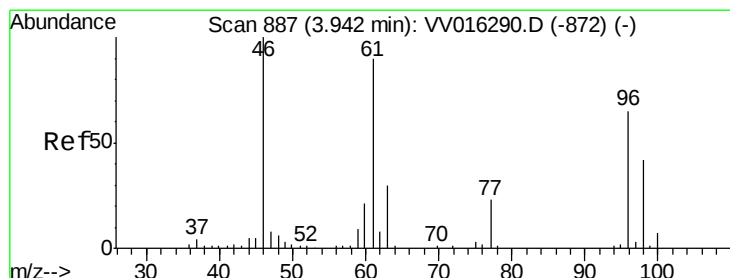
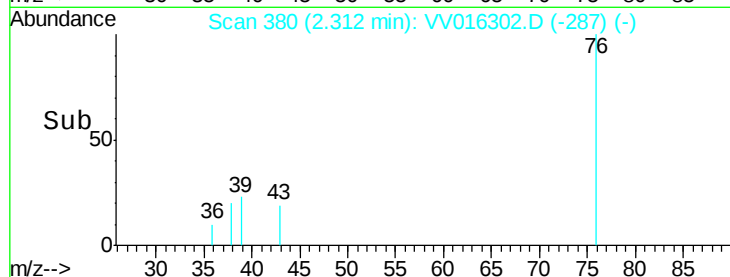
200

100

0

Time-->

2.28 2.30 2.32 2.34



#22

cis-1,2-Dichloroethene

Concen: 1.956 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VV016302.D

Acq: 29 May 2020 02:19

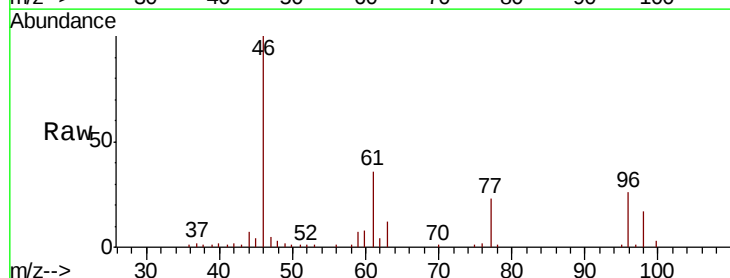
Tgt Ion: 96 Resp: 12979

Ion Ratio Lower Upper

96 100

61 135.4 99.7 185.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

8000

6000

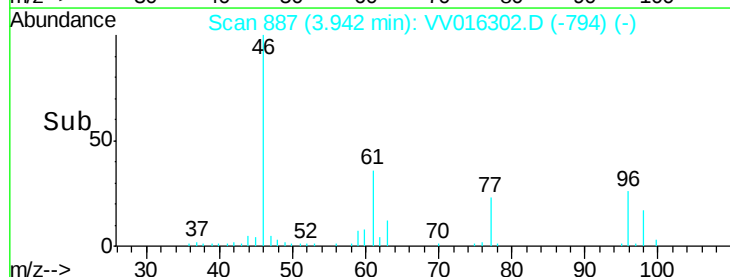
4000

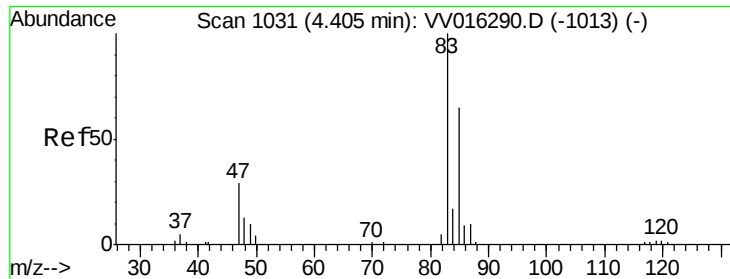
2000

0

Time-->

3.85 3.90 3.95 4.00

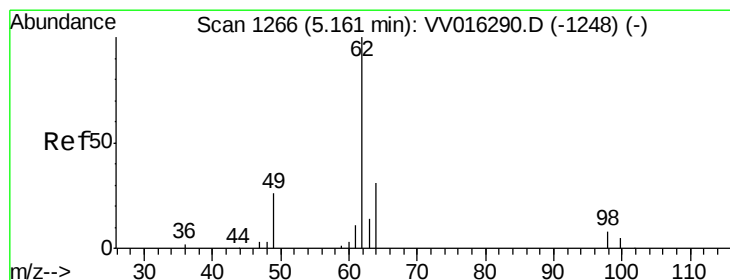
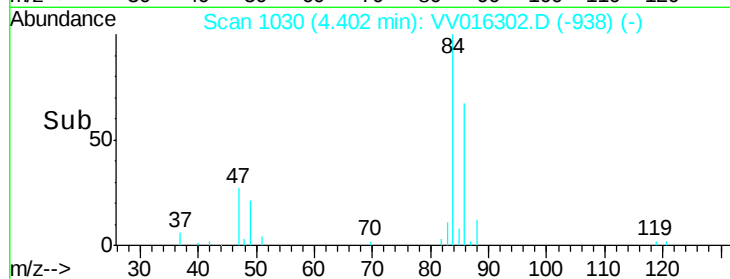
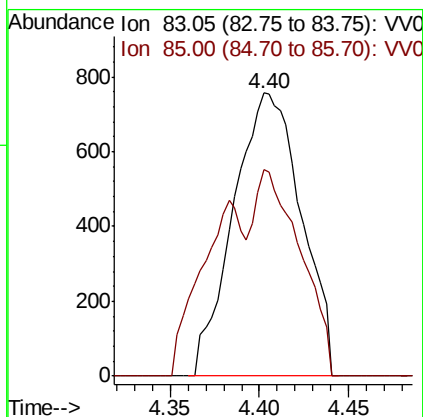
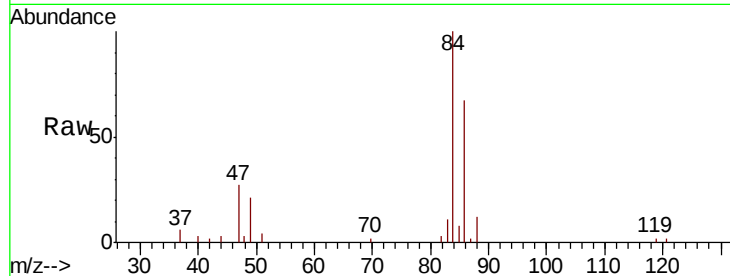




#25
Chloroform
Concen: 0.178 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV016302.D
Acq: 29 May 2020 02:19

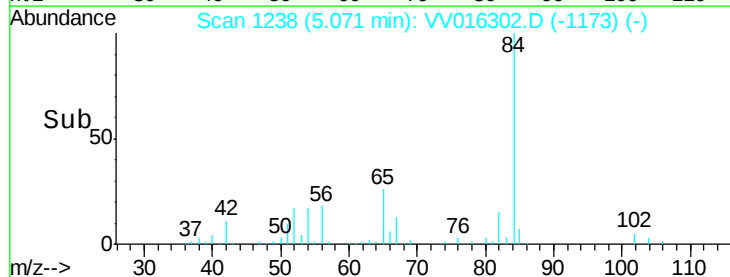
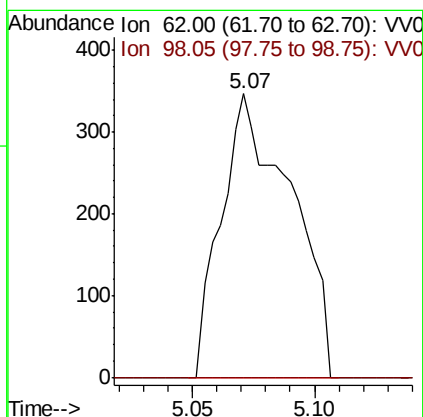
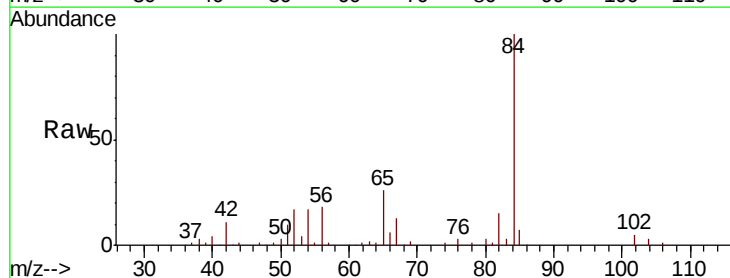
Instrument :
MSVOA_V
ClientSampleId :

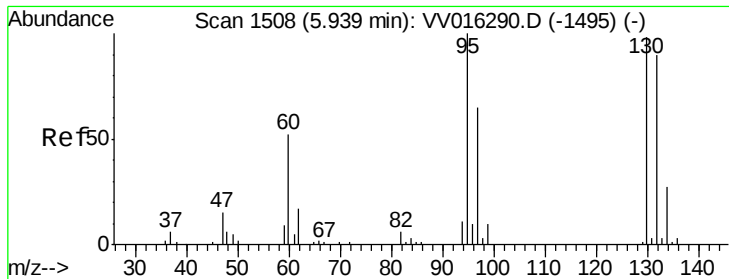
Tot Ion: 83 Resp: 2005
Ion Ratio Lower Upper
83 100
85 72.8 45.1 83.7



#27
1,2-Dichloroethane
Concen: 0.094 ug/L
RT: 5.07 min Scan# 1238
Delta R.T. -0.09 min
Lab File: VV016302.D
Acq: 29 May 2020 02:19

Tgt Ion: 62 Resp: 690
Ion Ratio Lower Upper
62 100
98 0.0 5.7 8.5#

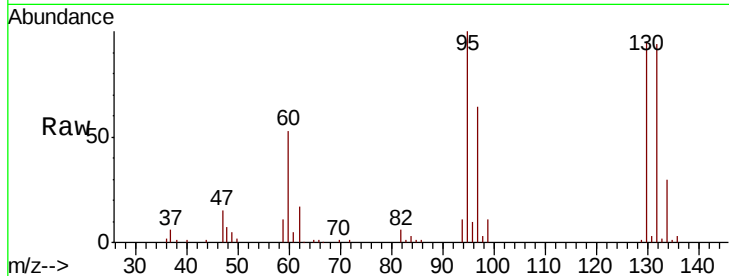




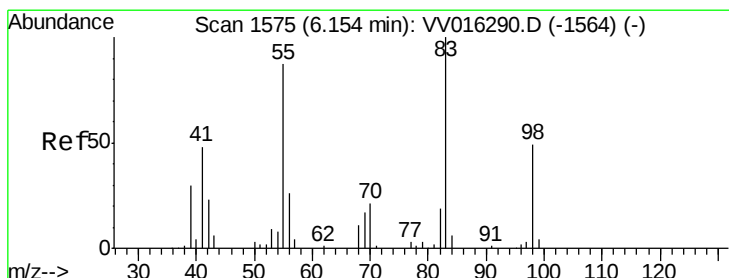
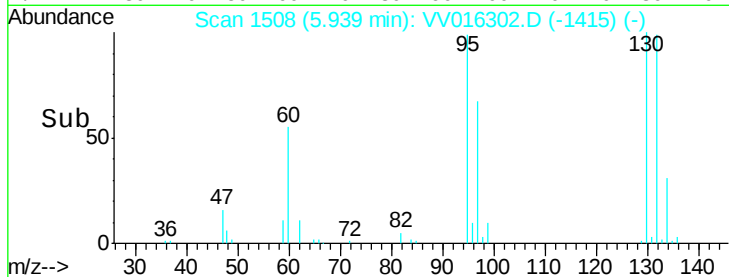
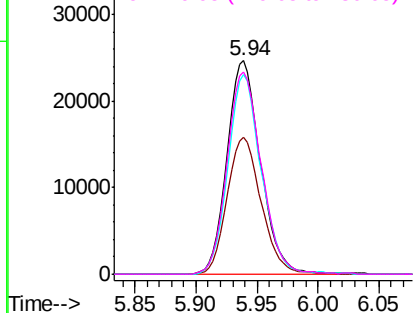
#34
 Trichloroethene
 Concen: 7.578 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV016302.D
 Acq: 29 May 2020 02:19

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 47250
 Ion Ratio Lower Upper
 95 100
 97 63.9 43.6 81.0
 132 93.8 63.9 118.7
 130 94.7 65.2 121.0

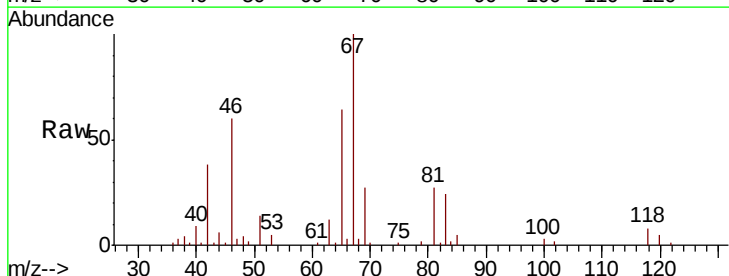


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

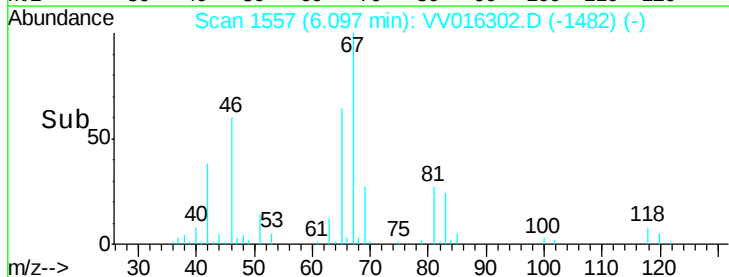
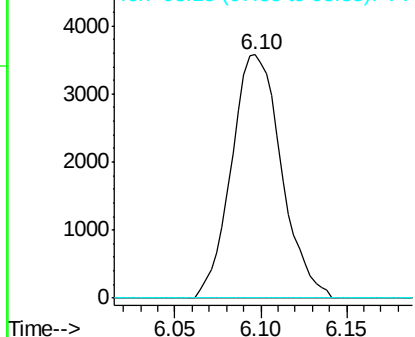


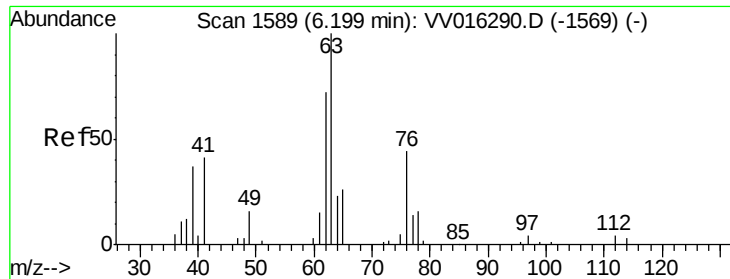
#35
 Methylcyclohexane
 Concen: 0.686 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.06 min
 Lab File: VV016302.D
 Acq: 29 May 2020 02:19

Tgt Ion: 83 Resp: 7213
 Ion Ratio Lower Upper
 83 100
 55 0.0 65.4 98.0#
 98 4.4 39.3 58.9#



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

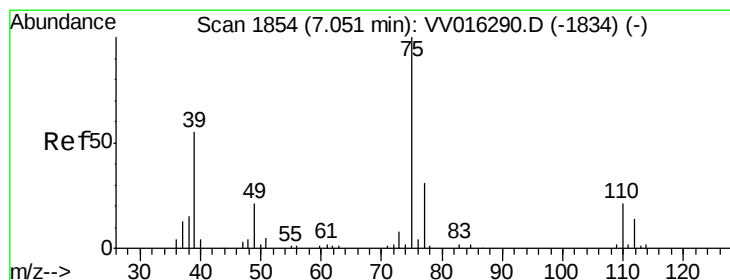
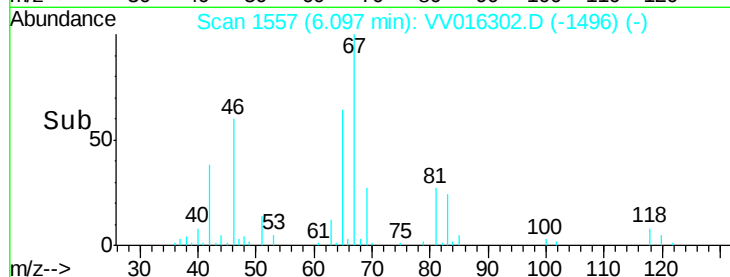
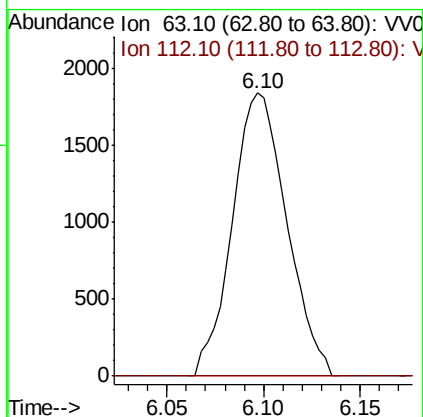
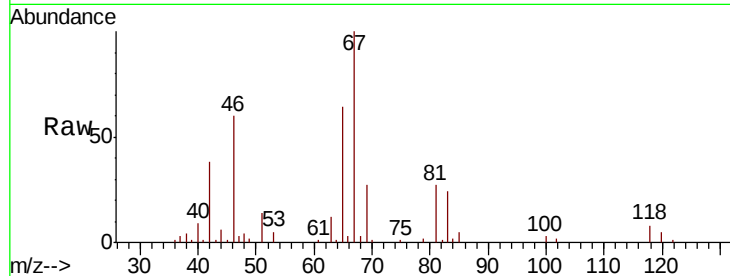




#37
 1,2-Dichloropropane
 Concen: 0.614 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV016302.D
 Acq: 29 May 2020 02:19

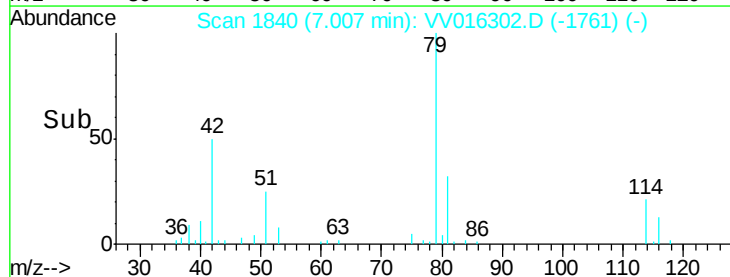
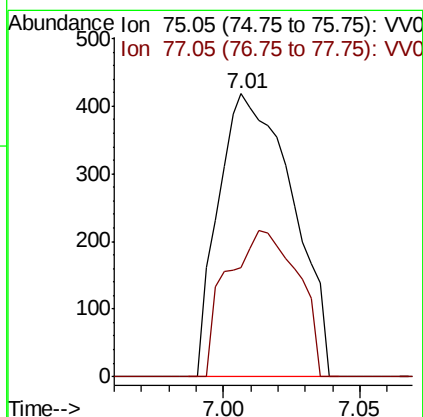
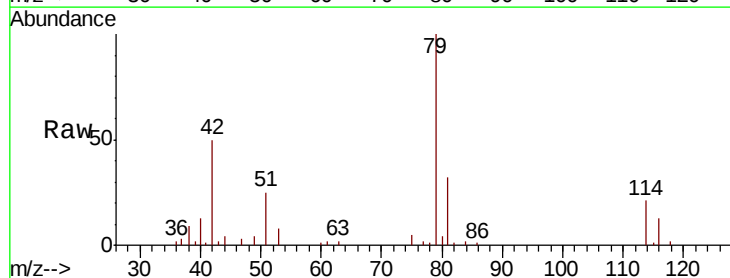
Instrument :
 MSVOA_V
 ClientSampleId :

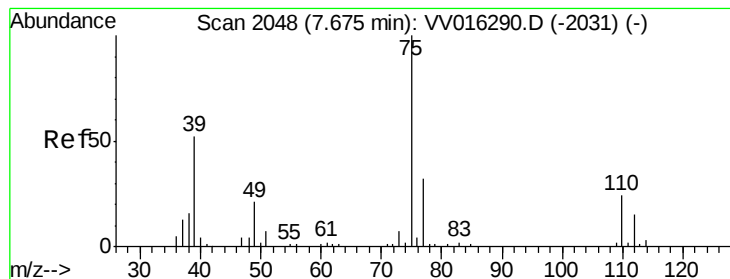
Tot Ion: 63 Resp: 3607
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.095 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV016302.D
 Acq: 29 May 2020 02:19

Tgt Ion: 75 Resp: 788
 Ion Ratio Lower Upper
 75 100
 77 38.5 21.7 40.3





#46

trans-1,3-Dichloropropene

Concen: 0.067 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016302.D

Acq: 29 May 2020 02:19

Instrument :

MSVOA_V

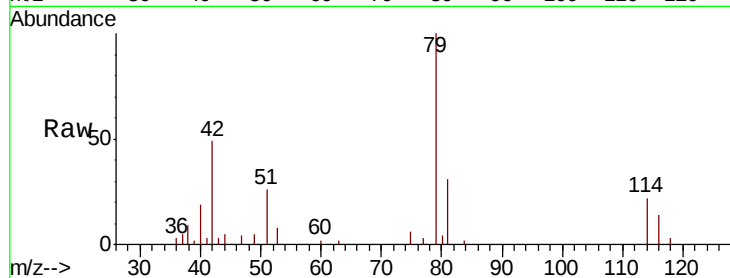
ClientSampleId :

Tot Ion: 75 Resp: 462

Ion Ratio Lower Upper

75 100

77 44.5 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.64

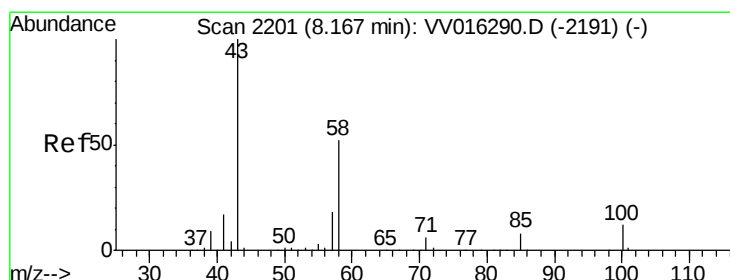
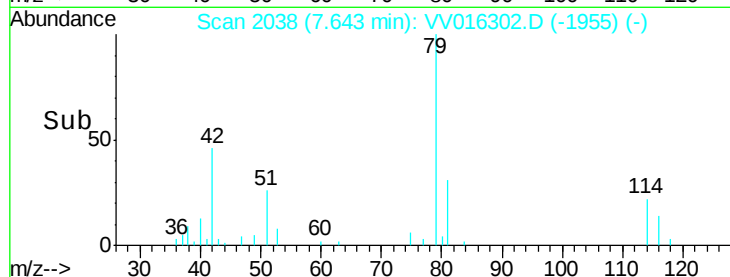
300

200

100

0

Time-->



#50

2-Hexanone

Concen: 3.123 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV016302.D

Acq: 29 May 2020 02:19

Tgt Ion: 43 Resp: 7953

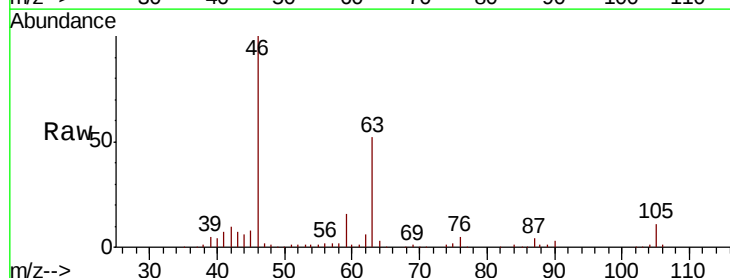
Ion Ratio Lower Upper

43 100

58 30.3 41.4 62.0#

57 21.9 15.0 22.4

100 0.2 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

5000

4000

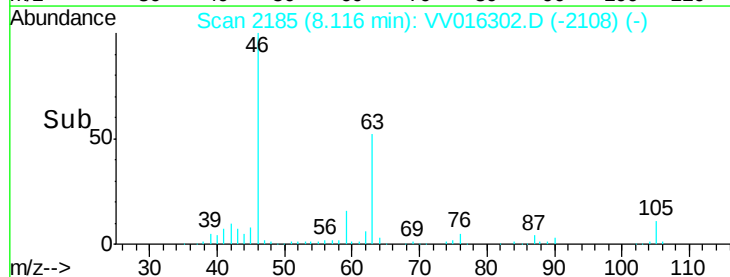
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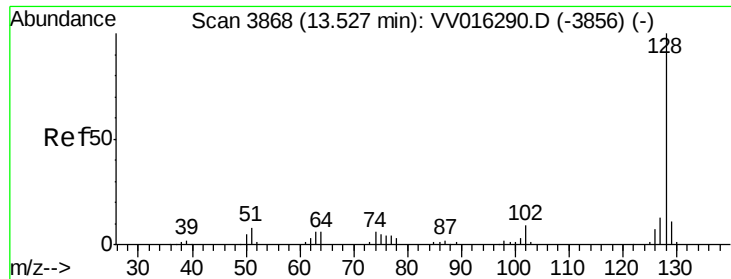
2000

1000

0

Time-->





#70

Naphthalene

Concen: 0.221 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016302.D

Acq: 29 May 2020 02:19

Instrument :

MSVOA_V

ClientSampleId :

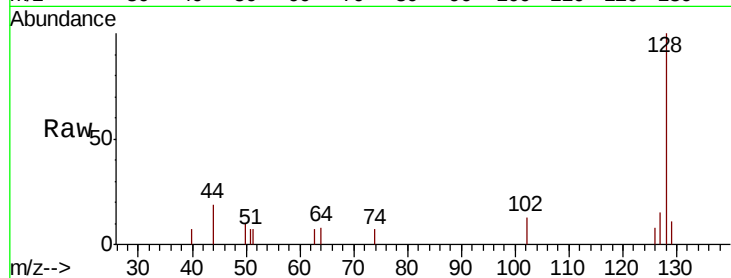
Tot Ion:128 Resp: 3429

Ion Ratio Lower Upper

128 100

129 11.4 8.6 13.0

127 12.1 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

