

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061920\
 Data File : VV017000.D
 Acq On : 19 Jun 2020 15:04
 Operator : SY/MD
 Sample : L3074-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 20 02:06:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 20 02:04:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	339922	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	314393	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	153260	50.00	ug/L	0.00

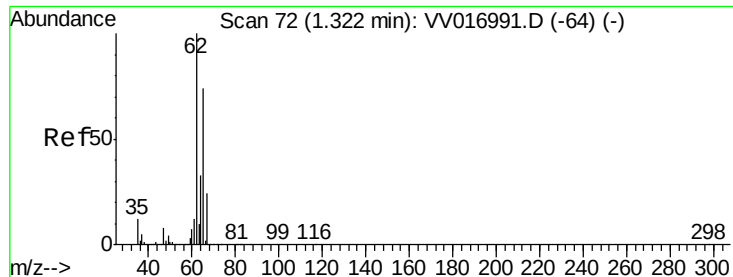
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	107176	44.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.36%
7) Chloroethane-d5	1.58	69	68664	47.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.42%
11) 1,1-Dichloroethene-d2	2.12	63	155361	38.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.14%
21) 2-Butanone-d5	3.91	46	161345	90.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.89%
24) Chloroform-d	4.38	84	228429	46.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.68%
26) 1,2-Dichloroethane-d4	5.06	65	163915	49.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.82%
32) Benzene-d6	5.08	84	450119	49.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.34%
36) 1,2-Dichloropropane-d6	6.09	67	137071	48.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.04%
41) Toluene-d8	7.34	98	406258	48.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.70%
43) trans-1,3-Dichloropropene-	7.64	79	67297	45.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.48%
47) 2-Hexanone-d5	8.11	63	96131	78.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.05%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	169600	45.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.70%
64) 1,2-Dichlorobenzene-d4	11.65	152	166477	50.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	14987	6.184	ug/L #	82
8) Chloroethane	1.32	64	6563	5.482	ug/L	88
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1476	0.817	ug/L #	19
12) 1,1-Dichloroethene	2.13	96	1228	0.728	ug/L #	1
13) Acetone	2.19	43	2821	2.412	ug/L	90
17) trans-1,2-Dichloroethene	2.78	96	1831	0.796	ug/L	85
18) Methyl tert-butyl Ether	2.78	73	30421	3.991	ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	36120	14.403	ug/L	93
33) Benzene	5.13	78	8919	0.959	ug/L	100
34) Trichloroethene	5.94	95	4615	1.850	ug/L	97
39) cis-1,3-Dichloropropene	7.00	75	4639	1.235	ug/L	88
46) Tetrachloroethene	7.99	164	1151	0.587	ug/L	77
48) 2-Hexanone	8.17	43	13582	5.110	ug/L #	82

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



#5

Vinyl chloride

Concen: 6.184 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017000.D

Acq: 19 Jun 2020 15:04

Instrument :

MSVOA_V

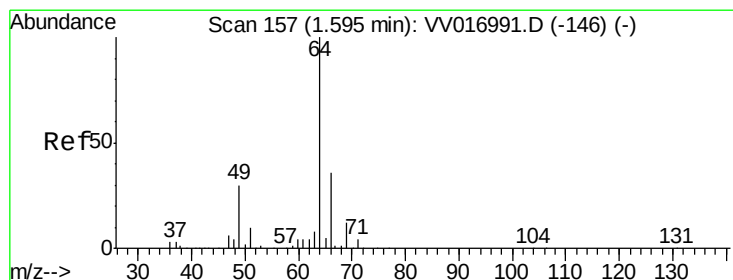
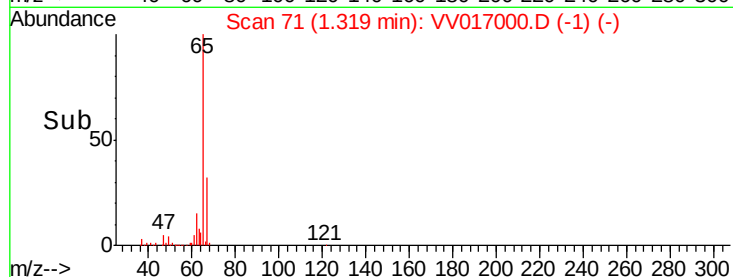
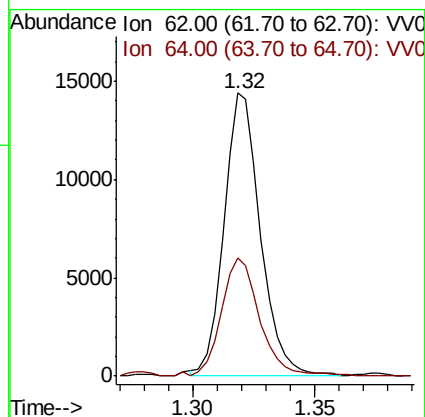
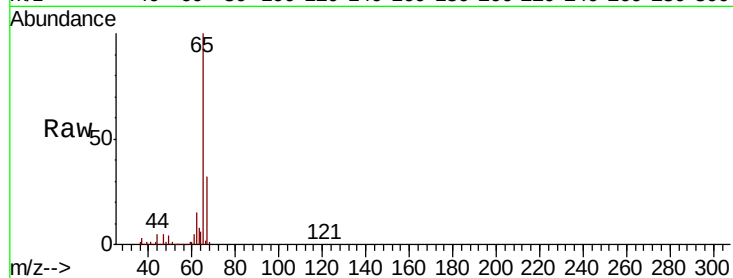
ClientSampleId :

Tot Ion: 62 Resp: 14987

Ion Ratio Lower Upper

62 100

64 41.9 22.3 41.5#



#8

Chloroethane

Concen: 5.482 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV017000.D

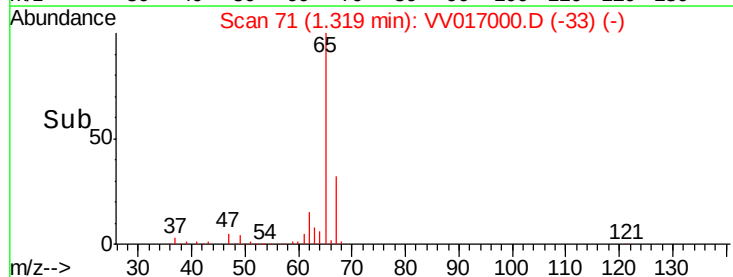
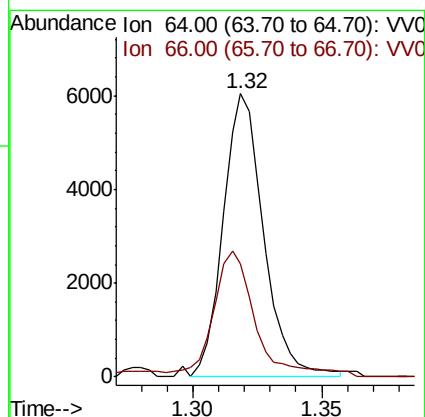
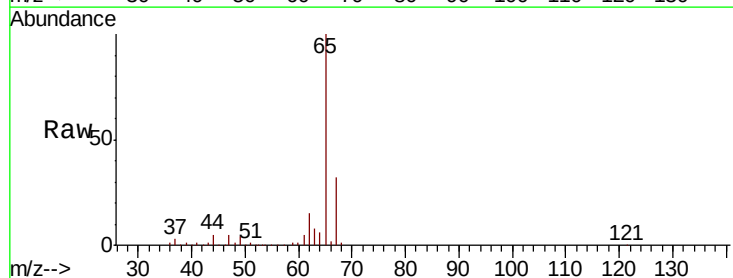
Acq: 19 Jun 2020 15:04

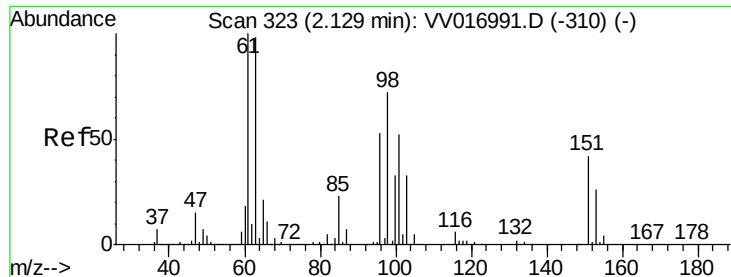
Tgt Ion: 64 Resp: 6563

Ion Ratio Lower Upper

64 100

66 39.8 23.2 43.0





#10

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

Concen: 0.817 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017000.D

Acq: 19 Jun 2020 15:04

Instrument :

MSVOA_V

ClientSampleId :

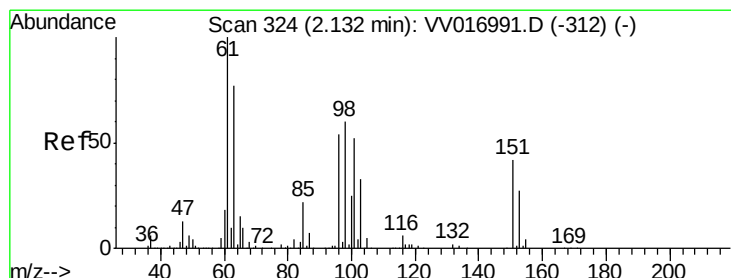
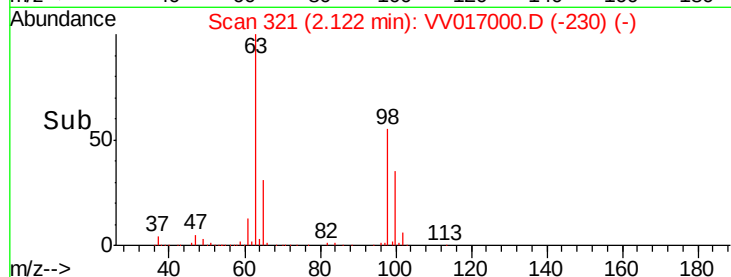
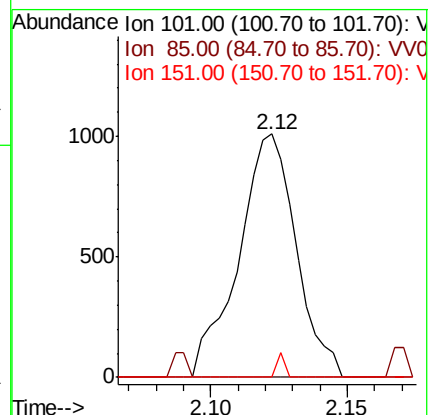
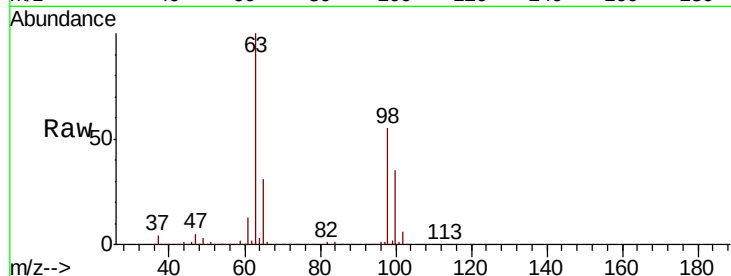
Tot Ion:101 Resp: 1476

Ion Ratio Lower Upper

101 100

85 2.7 35.5 53.3#

151 0.0 63.9 95.9#



#12

1,1-Dichloroethene

Concen: 0.728 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017000.D

Acq: 19 Jun 2020 15:04

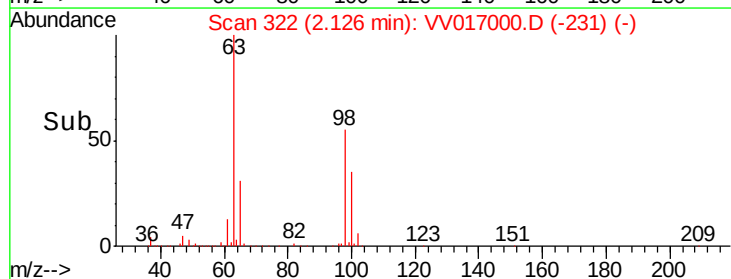
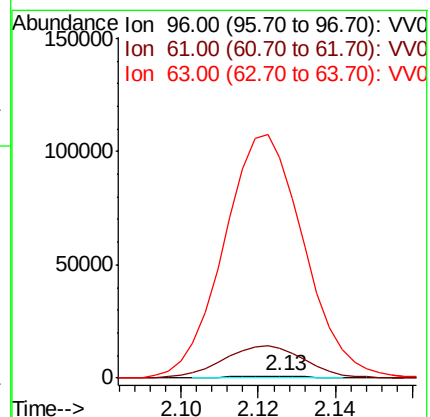
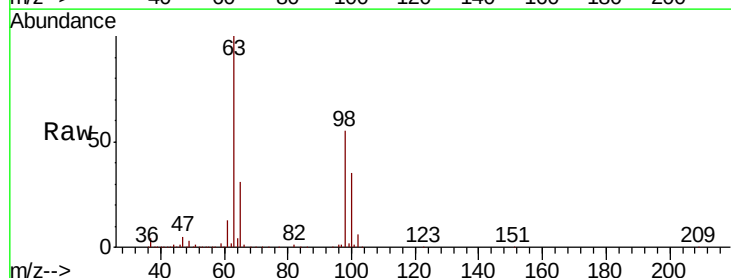
Tgt Ion: 96 Resp: 1228

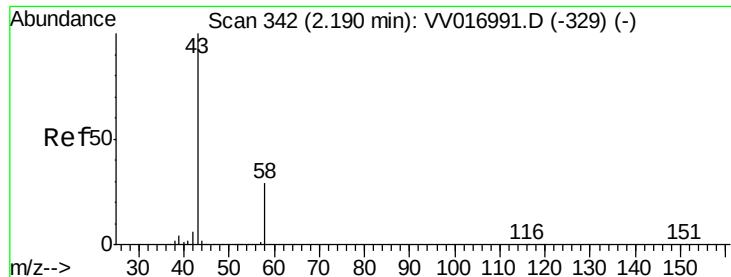
Ion Ratio Lower Upper

96 100

61 1294.8 130.4 242.2#

63 9660.2 103.3 191.9#





#13

Acetone

Concen: 2.412 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV017000.D

Acq: 19 Jun 2020 15:04

Instrument :

MSVOA_V

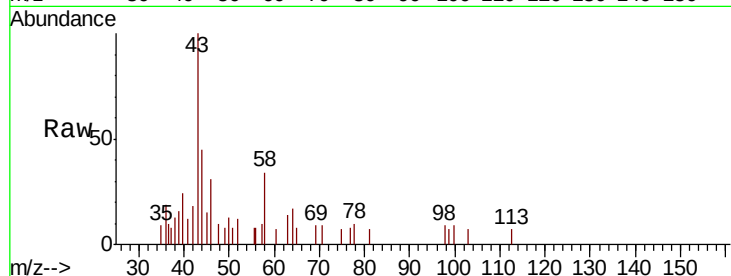
ClientSampleId :

Tot Ion: 43 Resp: 2821

Ion Ratio Lower Upper

43 100

58 22.1 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV016991.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV016991.D (-329) (-)

2.19

1500

1000

500

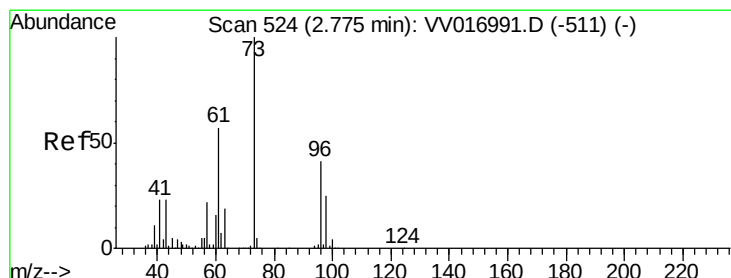
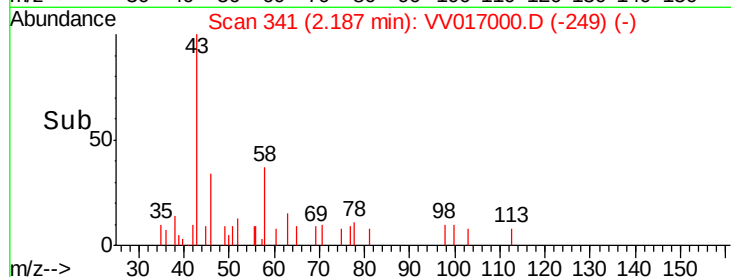
0

2.15

2.20

2.25

Time-->



#17

trans-1,2-Dichloroethene

Concen: 0.796 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV017000.D

Acq: 19 Jun 2020 15:04

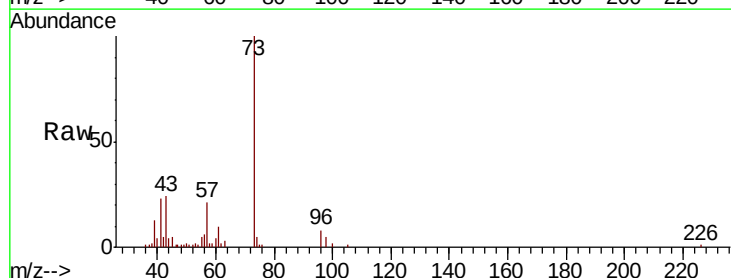
Tgt Ion: 96 Resp: 1831

Ion Ratio Lower Upper

96 100

61 123.3 102.9 191.1

98 61.1 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VV016991.D (-511) (-)

Ion 61.00 (60.70 to 61.70): VV016991.D (-511) (-)

Ion 98.00 (97.70 to 98.70): VV016991.D (-511) (-)

2.78

1500

1000

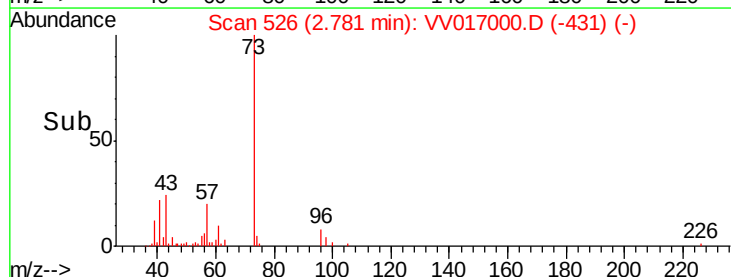
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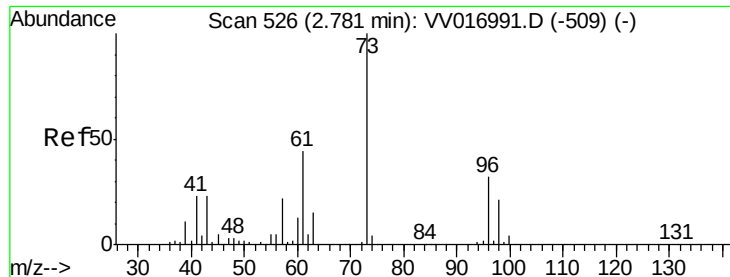
0

2.75

2.80

Time-->



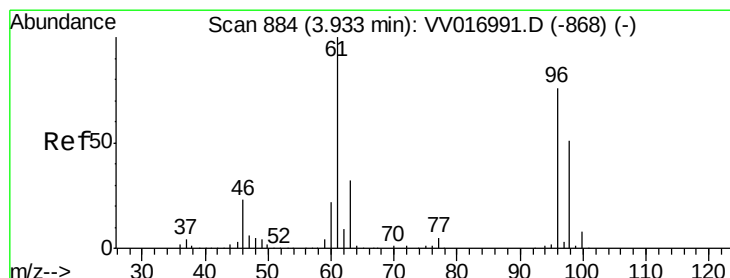
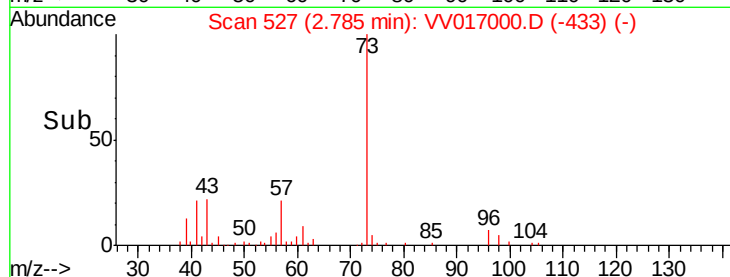
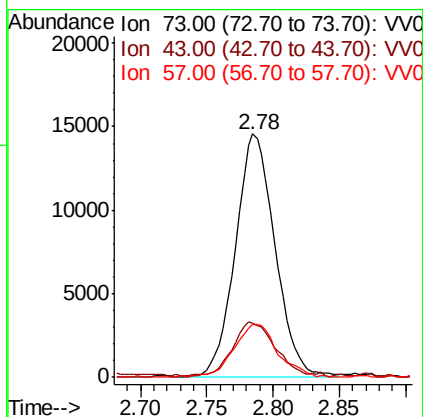
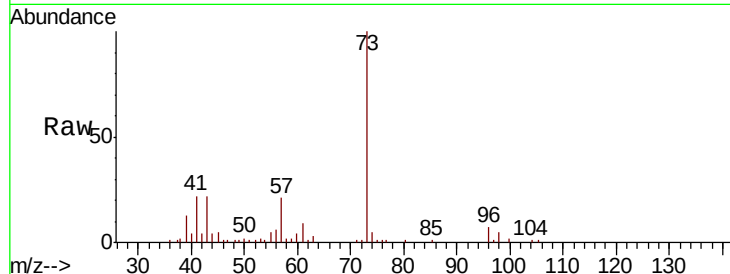


#18

Methyl tert-butyl Ether
 Concen: 3.991 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VV017000.D
 Acq: 19 Jun 2020 15:04

Instrument :
 MSVOA_V
 ClientSampleId :

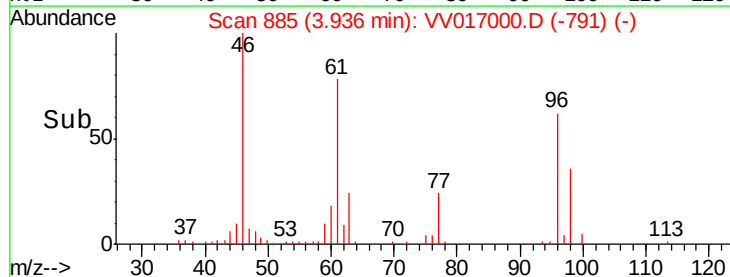
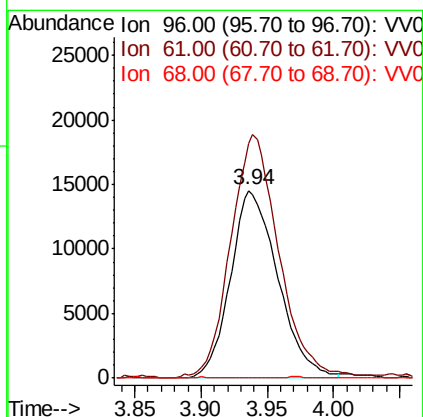
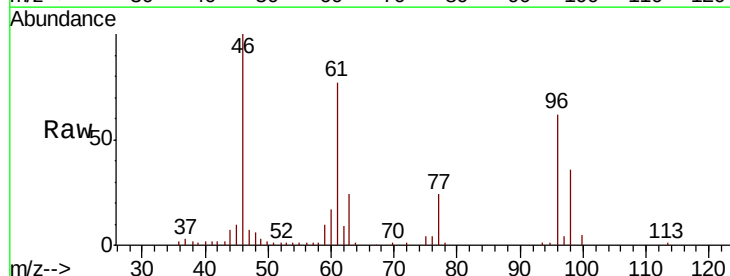
Tot Ion: 73 Resp: 30421
 Ion Ratio Lower Upper
 73 100
 43 23.4 17.8 26.6
 57 23.6 17.7 26.5

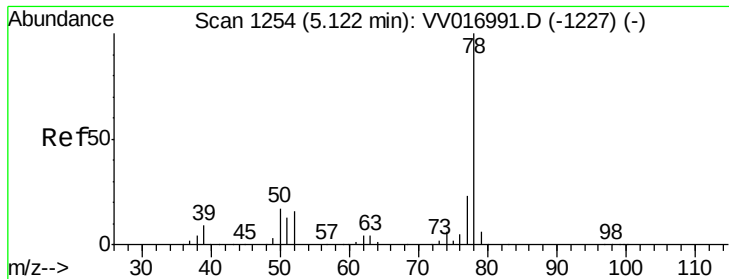


#20

cis-1,2-Dichloroethene
 Concen: 14.403 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017000.D
 Acq: 19 Jun 2020 15:04

Tgt Ion: 96 Resp: 36120
 Ion Ratio Lower Upper
 96 100
 61 125.0 93.4 173.4
 68 0.0 0.0 0.0

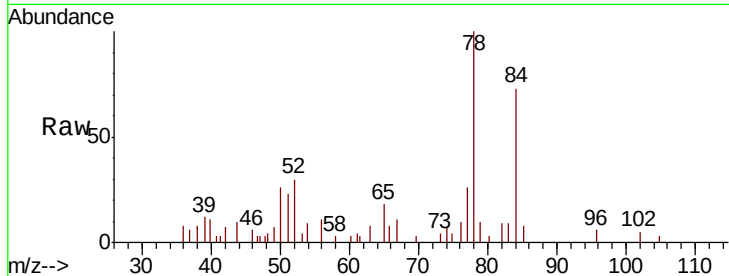




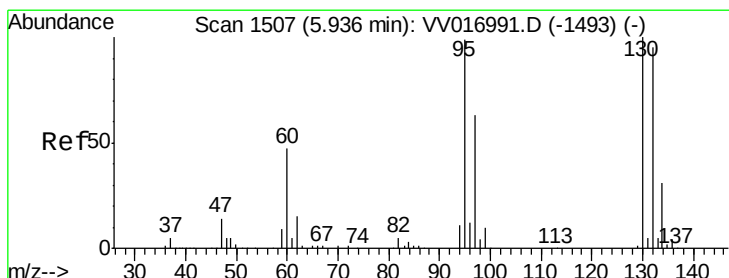
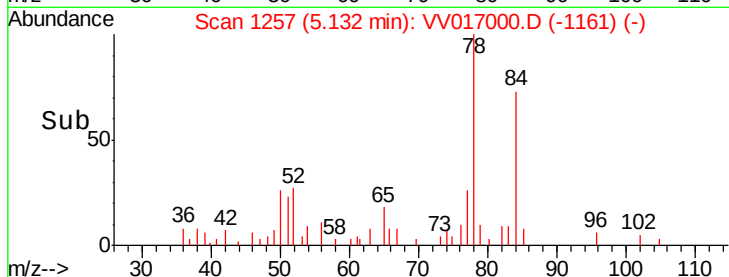
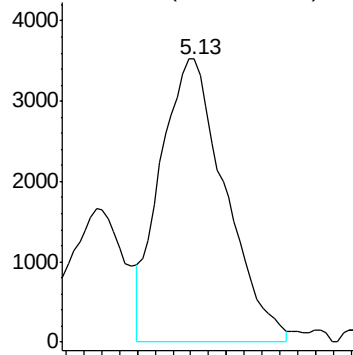
#33
Benzene
Concen: 0.959 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VV017000.D
Acq: 19 Jun 2020 15:04

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 8919

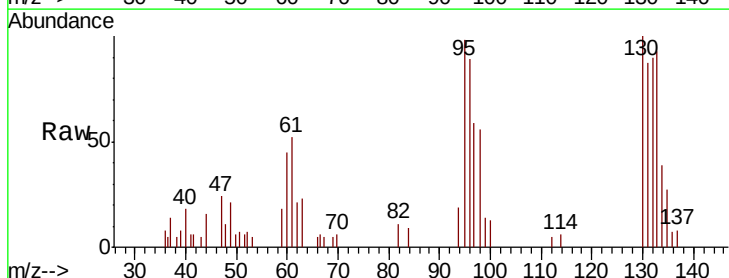


Abundance Ion 78.00 (77.70 to 78.70): VV0



#34
Trichloroethene
Concen: 1.850 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV017000.D
Acq: 19 Jun 2020 15:04

Tgt Ion: 95 Resp: 4615
Ion Ratio Lower Upper
95 100
97 60.5 44.3 82.3
132 92.1 67.9 126.1
130 102.2 72.2 134.2

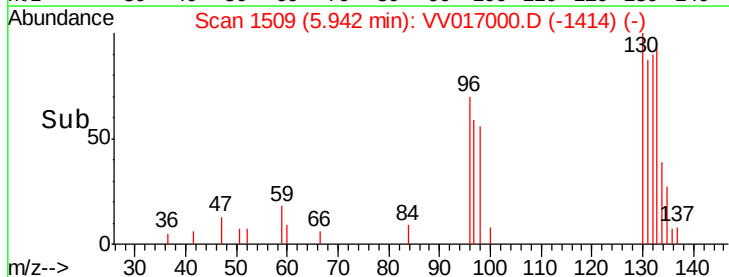
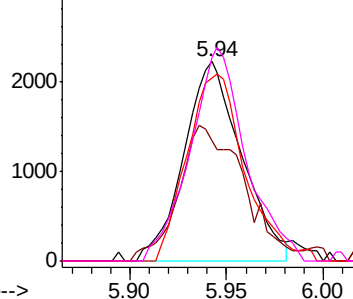


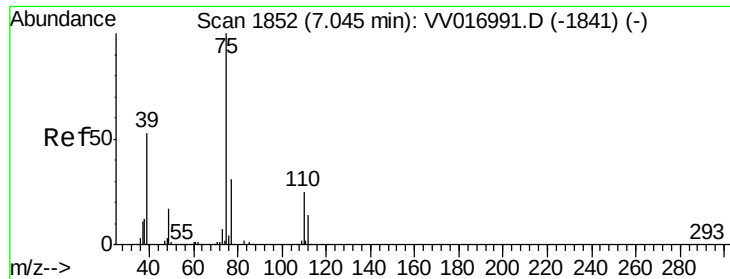
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

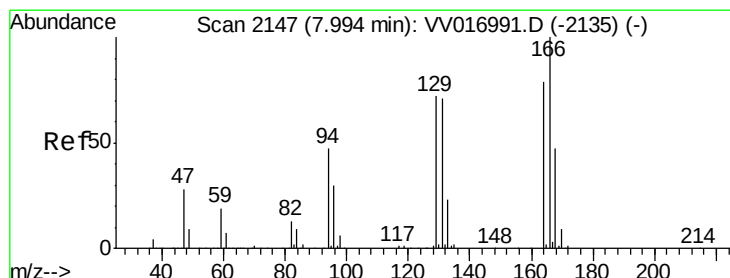
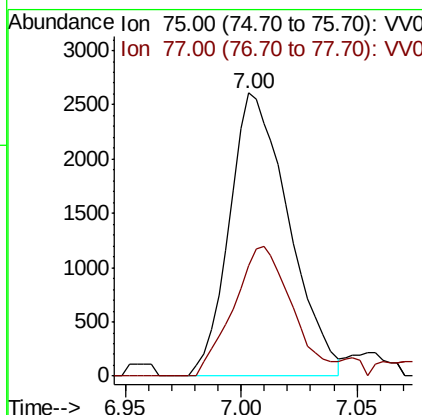
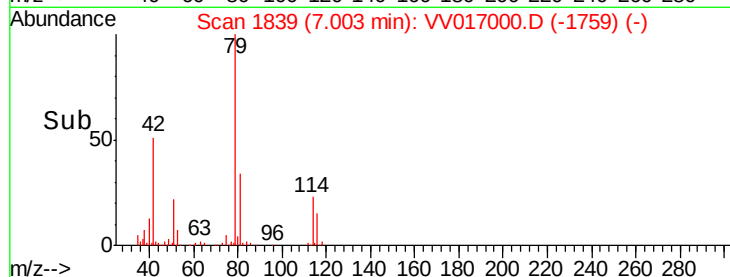
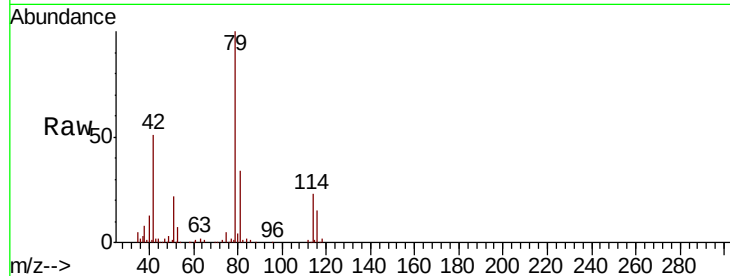




#39
 cis-1,3-Dichloropropene
 Concen: 1.235 ug/L
 RT: 7.00 min Scan# 1839
 Delta R.T. -0.04 min
 Lab File: VV017000.D
 Acq: 19 Jun 2020 15:04

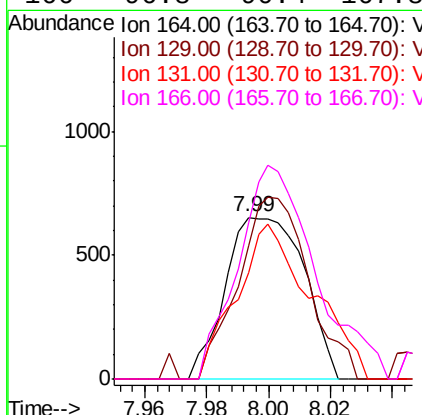
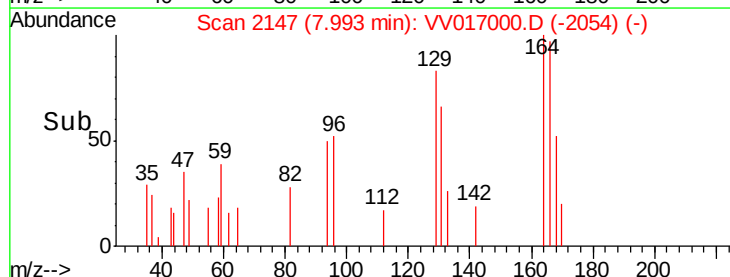
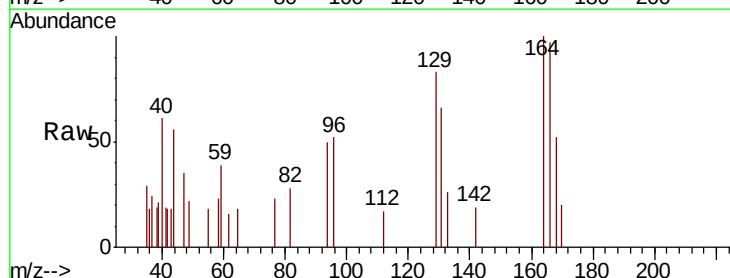
Instrument :
 MSVOA_V
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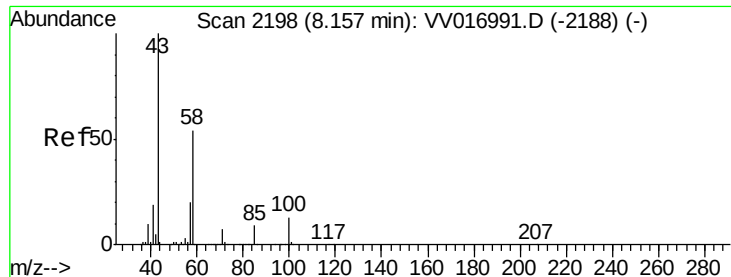
Tot Ion: 75 Resp: 4639
 Ion Ratio Lower Upper
 75 100
 77 39.0 22.7 42.1



#46
 Tetrachloroethene
 Concen: 0.587 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV017000.D
 Acq: 19 Jun 2020 15:04

Tgt Ion: 164 Resp: 1151
 Ion Ratio Lower Upper
 164 100
 129 82.5 67.0 124.4
 131 66.1 64.8 120.3
 166 96.8 90.4 167.8





#48

2-Hexanone

Concen: 5.110 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV017000.D

Acq: 19 Jun 2020 15:04

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 13582

Ion Ratio Lower Upper

43 100

58 44.2 43.1 64.7

57 4.4 15.3 22.9#

100 7.7 10.0 15.0#

