

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051120\
 Data File : VV015984.D
 Acq On : 11 May 2020 13:05
 Operator : SY/MD
 Sample : L2520-23MSD
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 12 01:10:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 12 01:07:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	146277	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	142338	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	65154	5.00	ug/L	0.00

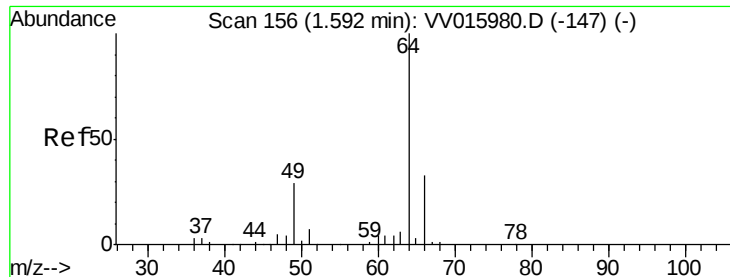
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33193	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.58	69	34736	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.13	63	81395	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.40%
20) 2-Butanone-d5	3.93	46	112301	49.61	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.22%
24) Chloroform-d	4.38	84	85814	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.06	65	49788	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.08	84	165335	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.10	67	53072	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.34	98	147890	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
45) trans-1,3-Dichloropropene-	7.64	79	14700	3.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.40%
48) 2-Hexanone-d5	8.11	63	79780	44.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.52%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	36815	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	54552	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.52	64	10132	1.310	ug/L #	49
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	705	0.084	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	43677	5.426	ug/L	88
13) Acetone	2.20	43	4169	2.792	ug/L	91
22) cis-1,2-Dichloroethene	3.95	96	4970	0.534	ug/L	94
25) Chloroform	4.41	83	4774	0.253	ug/L	100
33) Benzene	5.13	78	213232	5.954	ug/L	100
34) Trichloroethene	5.94	95	68341	6.686	ug/L	98
35) Methylcyclohexane	6.10	83	13272	0.858	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	6308	0.693	ug/L #	87
42) Toluene	7.41	91	225965	5.953	ug/L	99
46) trans-1,3-Dichloropropene	7.65	75	886	0.082	ug/L	84
50) 2-Hexanone	8.17	43	5097	1.271	ug/L #	51
53) Chlorobenzene	8.90	112	146154	5.987	ug/L	98

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



#8

Chloroethane

Concen: 1.310 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.07 min

Lab File: VV015984.D

Acq: 11 May 2020 13:05

Instrument :

MSVOA_V

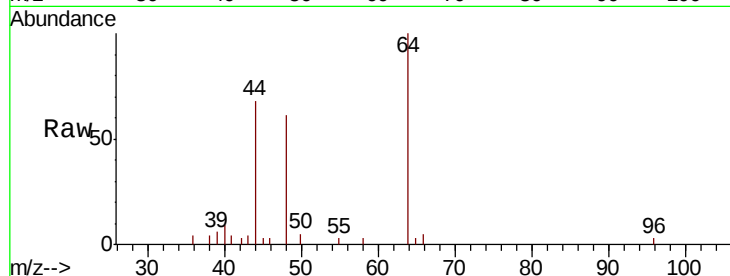
ClientSampleId :

Tot Ion: 64 Resp: 10132

Ion Ratio Lower Upper

64 100

66 4.5 23.6 43.8#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.52

4000

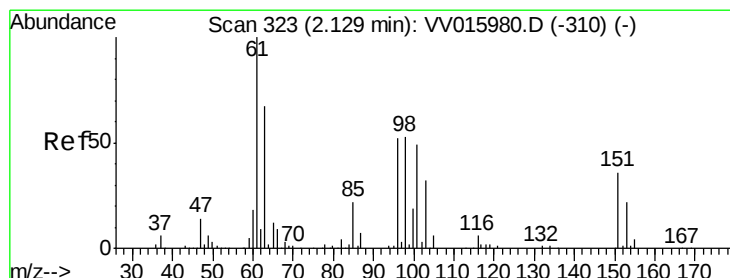
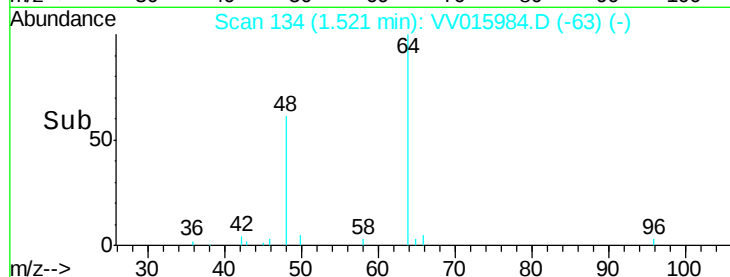
3000

2000

1000

0

Time-->



#10

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

Concen: 0.084 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015984.D

Acq: 11 May 2020 13:05

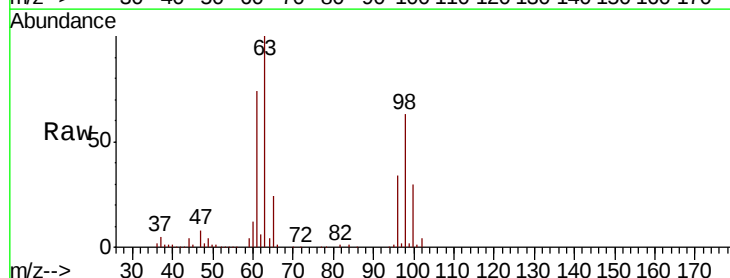
Tgt Ion: 101 Resp: 705

Ion Ratio Lower Upper

101 100

85 0.0 35.7 53.5#

151 0.0 58.0 87.0#



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

2.12

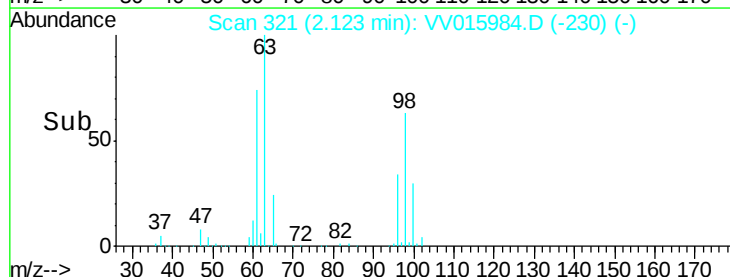
600

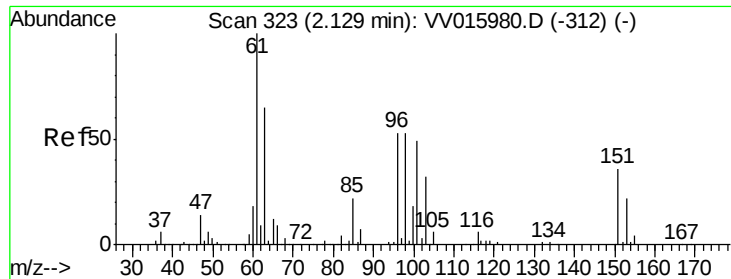
400

200

0

Time-->





#12

1,1-Dichloroethene

Concen: 5.426 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015984.D

Acq: 11 May 2020 13:05

Instrument :
MSVOA_V
ClientSampled :

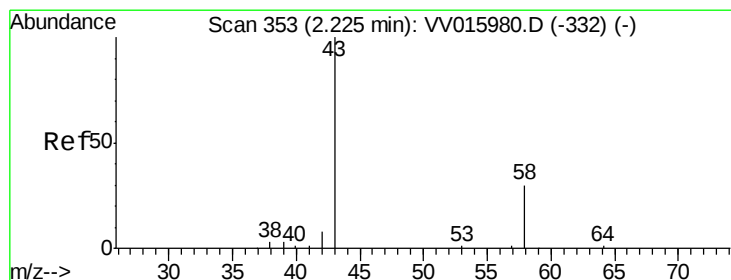
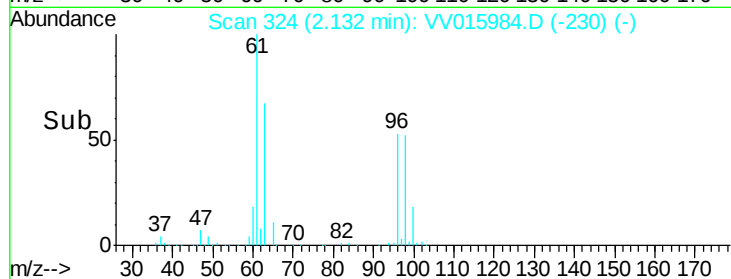
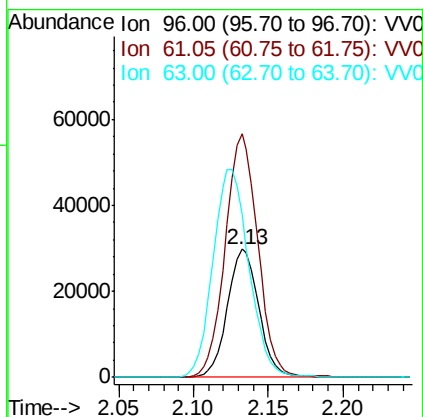
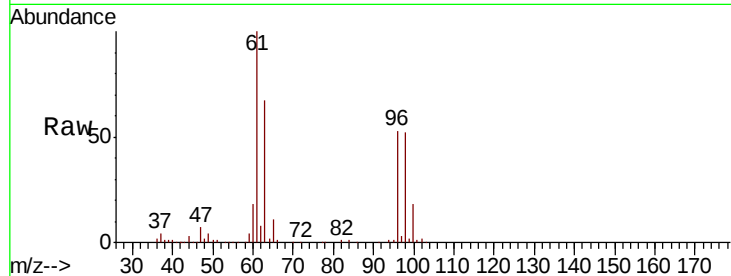
Tot Ion: 96 Resp: 43677

Ion Ratio Lower Upper

96 100

61 190.5 139.9 259.7

63 127.5 106.4 197.6



#13

Acetone

Concen: 2.792 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.02 min

Lab File: VV015984.D

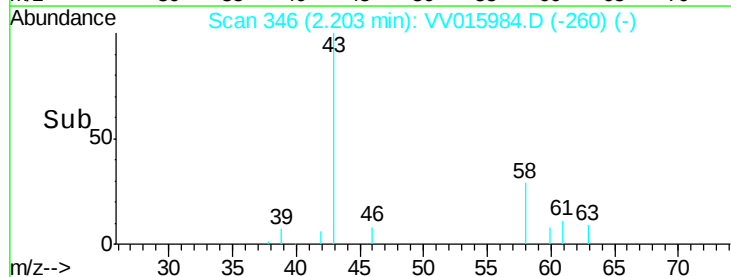
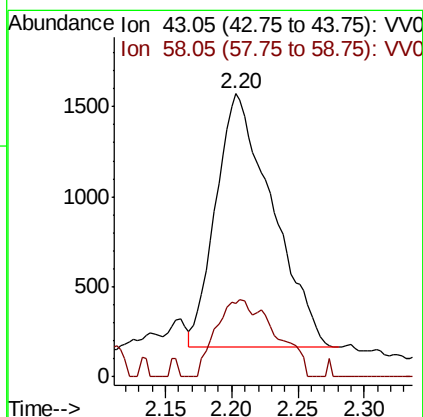
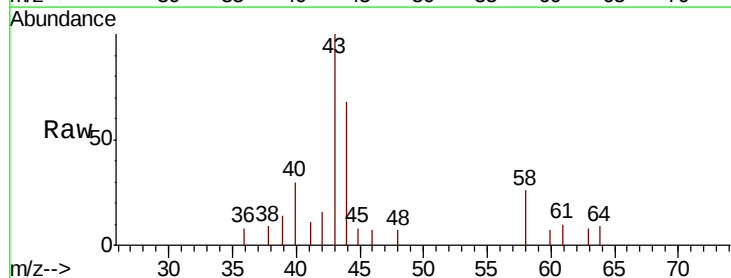
Acq: 11 May 2020 13:05

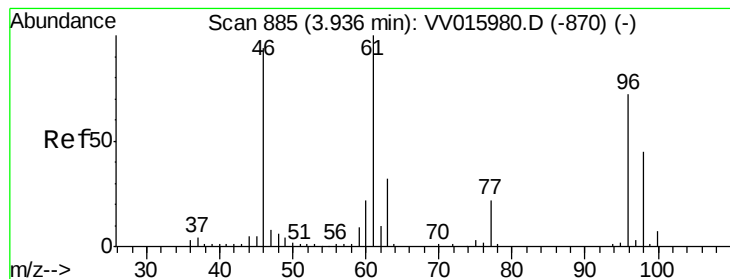
Tgt Ion: 43 Resp: 4169

Ion Ratio Lower Upper

43 100

58 19.0 0.0 30.8





#22

cis-1,2-Dichloroethene

Concen: 0.534 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV015984.D

Acq: 11 May 2020 13:05

Instrument :
MSVOA_V
ClientSampleId :

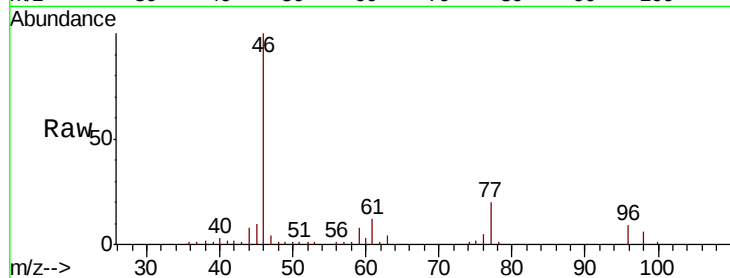
Tot Ion: 96 Resp: 4970

Ion Ratio Lower Upper

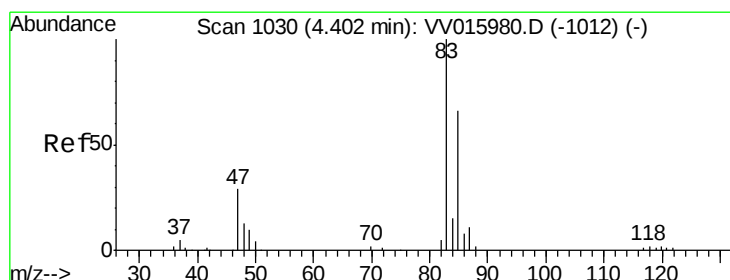
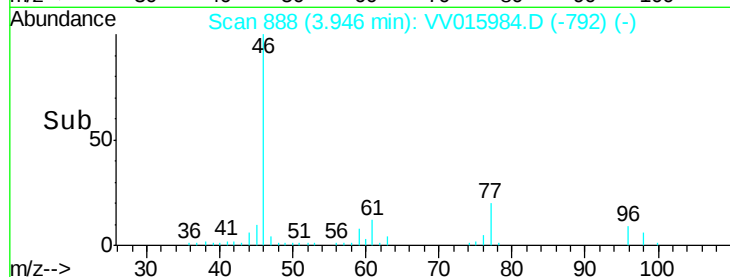
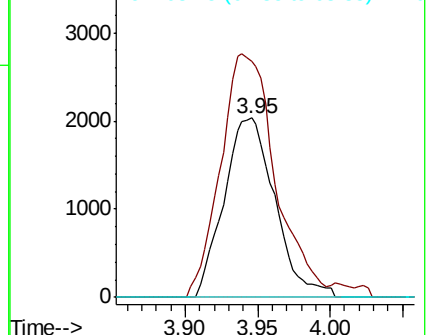
96 100

61 131.4 97.2 180.6

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



#25

Chloroform

Concen: 0.253 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV015984.D

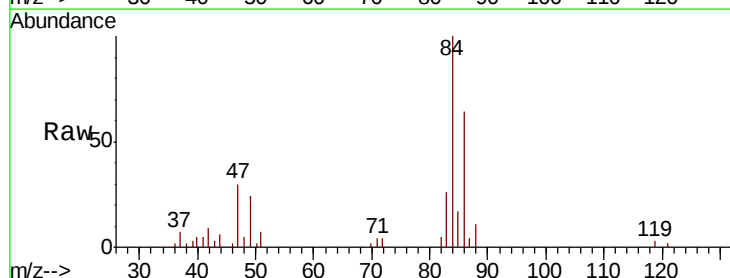
Acq: 11 May 2020 13:05

Tgt Ion: 83 Resp: 4774

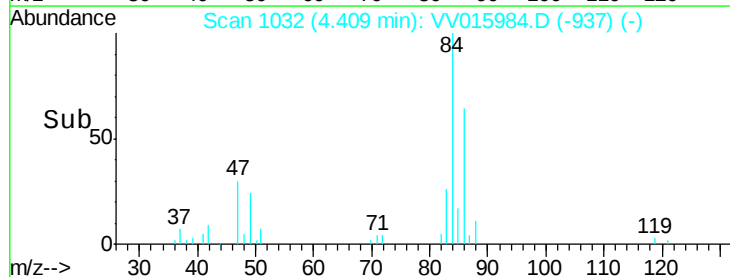
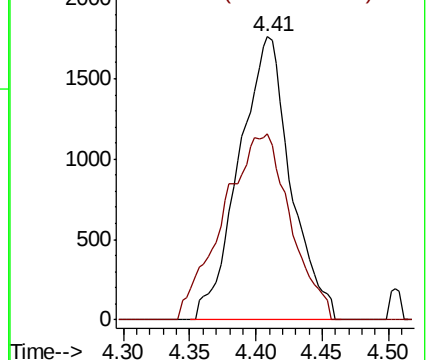
Ion Ratio Lower Upper

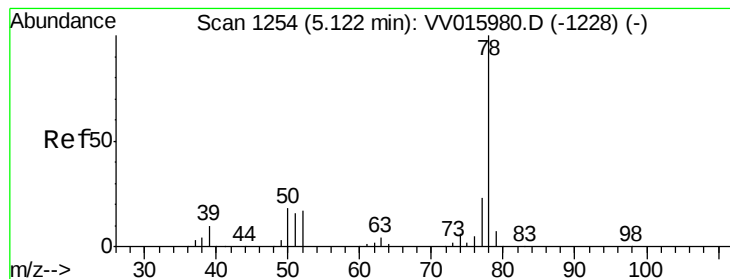
83 100

85 65.5 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 5.954 ug/L

RT: 5.13 min Scan# 1255

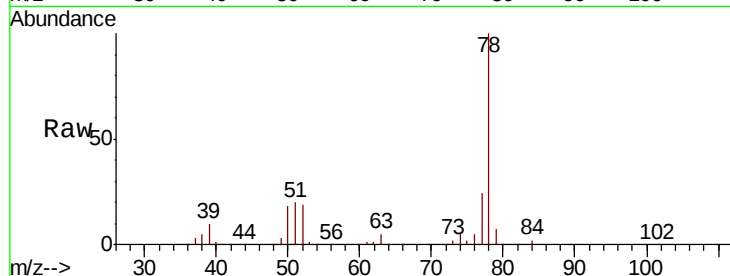
Delta R.T. 0.00 min

Lab File: VV015984.D

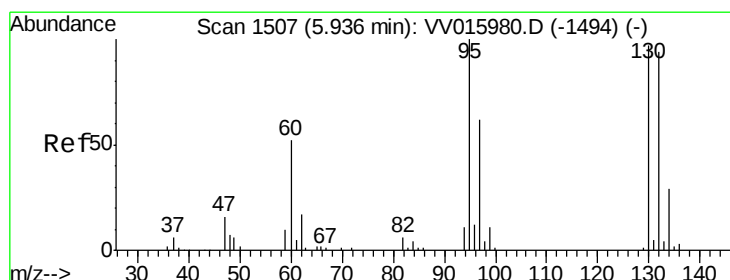
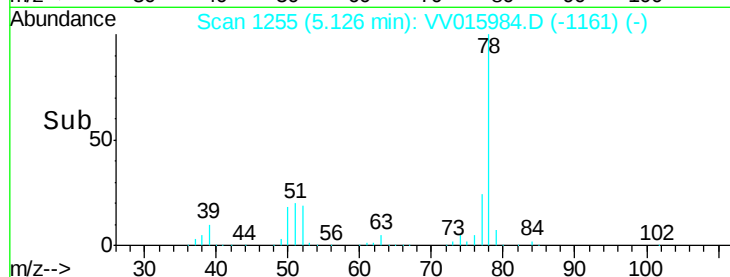
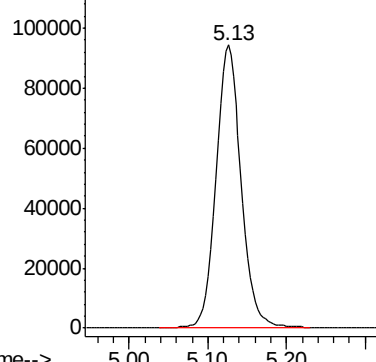
Acq: 11 May 2020 13:05

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 213232



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 6.686 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015984.D

Acq: 11 May 2020 13:05

Tgt Ion: 95 Resp: 68341

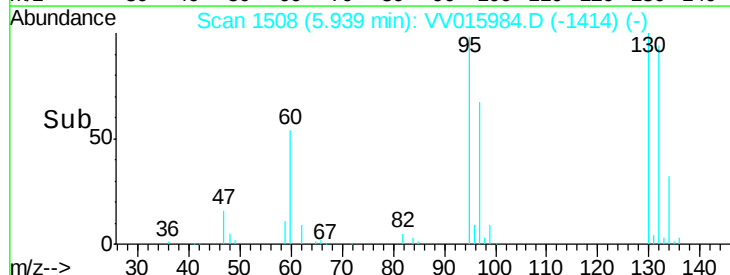
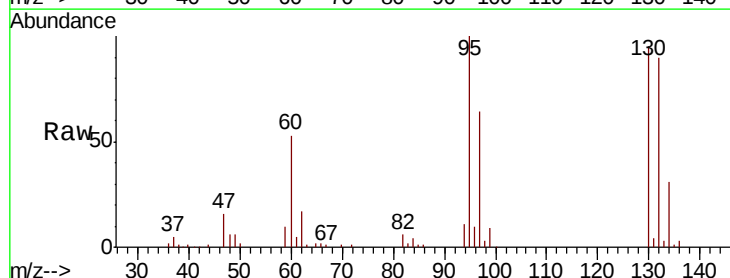
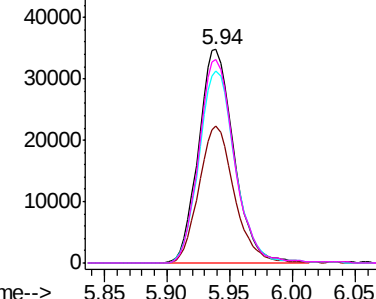
Ion	Ratio	Lower	Upper
95	100		
97	64.0	43.3	80.5
132	89.6	60.3	112.1
130	95.4	66.0	122.6

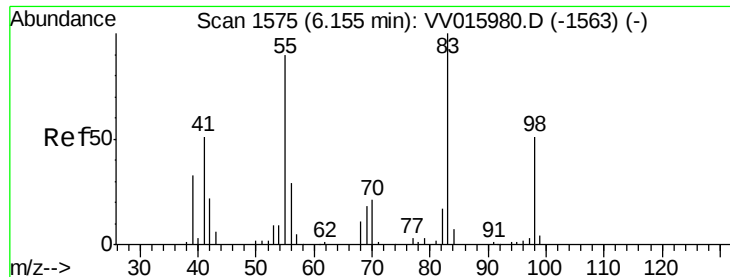
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

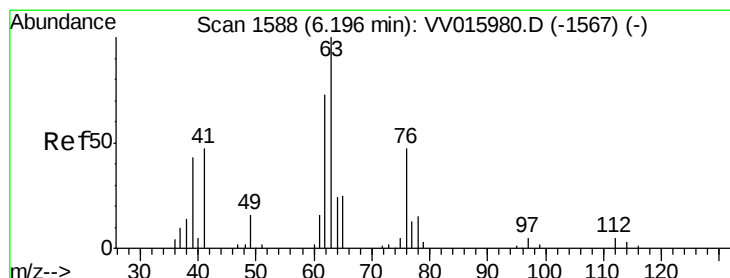
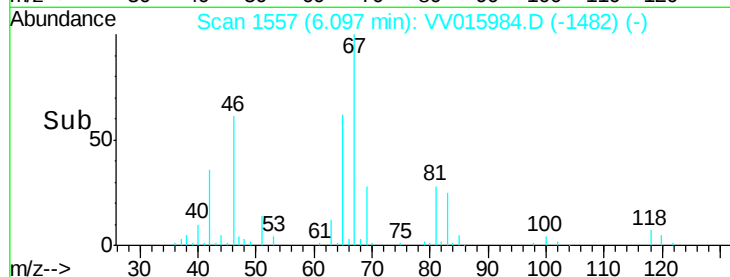
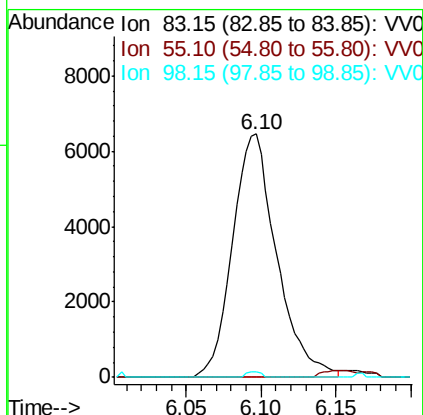
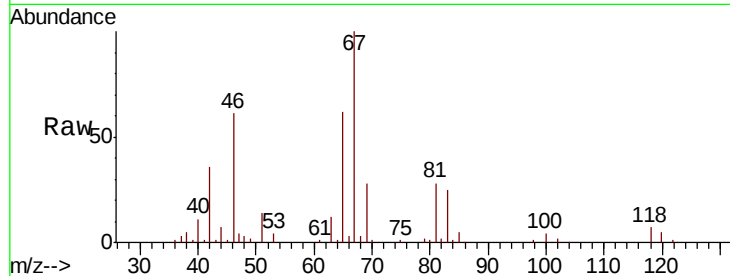




#35
Methvlcvclohexane
Concen: 0.858 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV015984.D
Acq: 11 May 2020 13:05

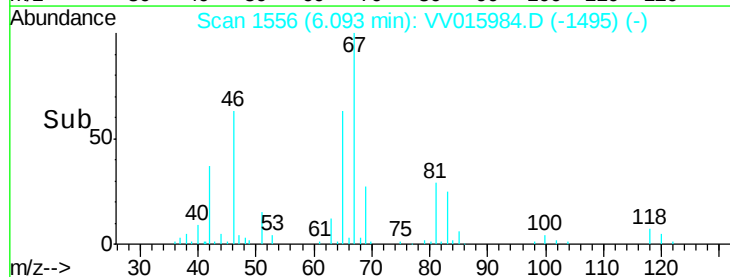
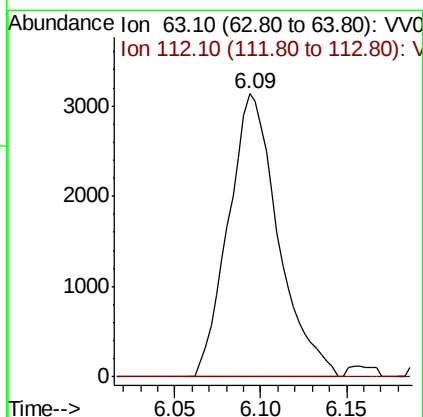
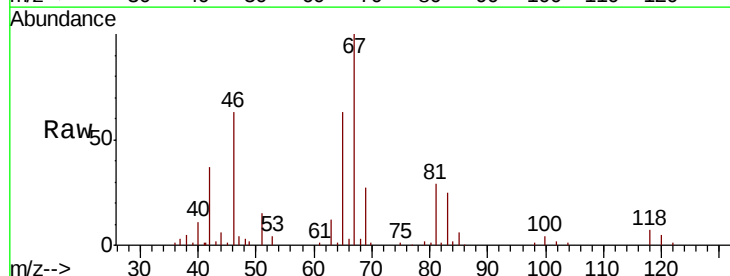
Instrument :
MSVOA_V
ClientSampleId :

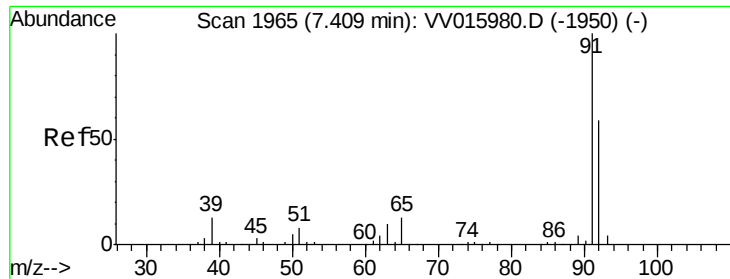
Tot Ion: 83 Resp: 13272
Ion Ratio Lower Upper
83 100
55 2.0 66.2 99.2#
98 0.8 37.9 56.9#



#37
1,2-Dichloropropane
Concen: 0.693 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV015984.D
Acq: 11 May 2020 13:05

Tgt Ion: 63 Resp: 6308
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#





#42

Toluene

Concen: 5.953 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015984.D

Acq: 11 May 2020 13:05

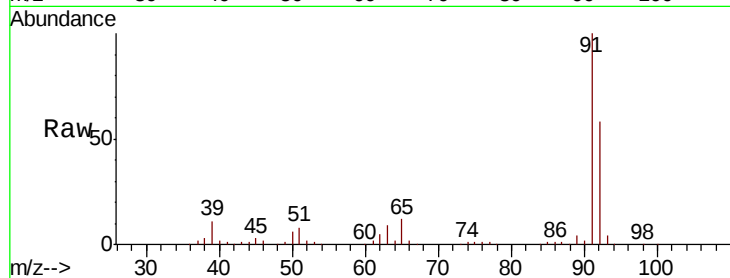
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 225965

Ion Ratio Lower Upper

91 100

92 58.2 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.41

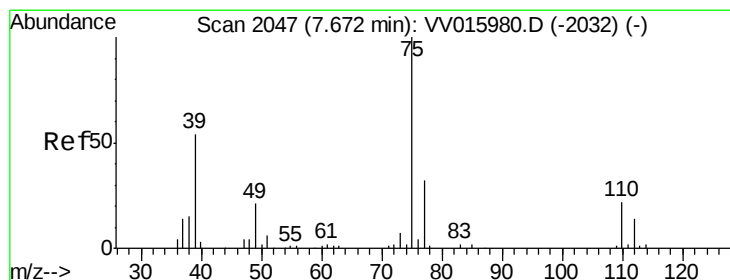
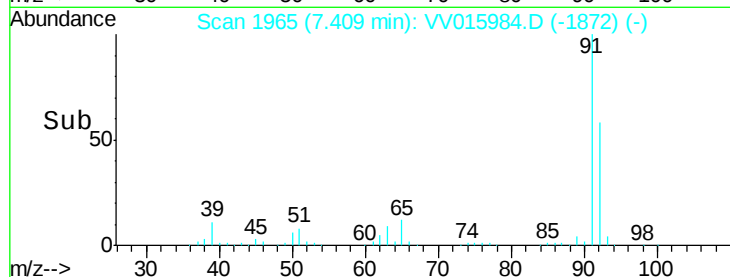
150000

100000

50000

0

Time-->



#46

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.65 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VV015984.D

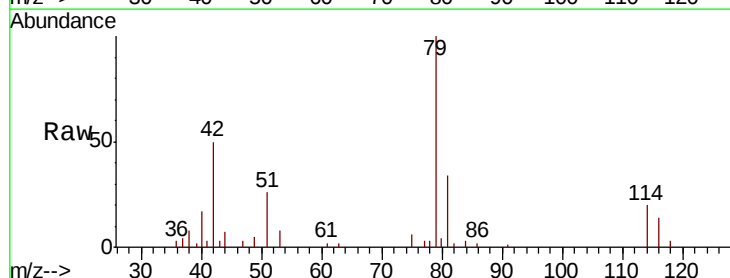
Acq: 11 May 2020 13:05

Tgt Ion: 75 Resp: 886

Ion Ratio Lower Upper

75 100

77 39.3 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.65

500

400

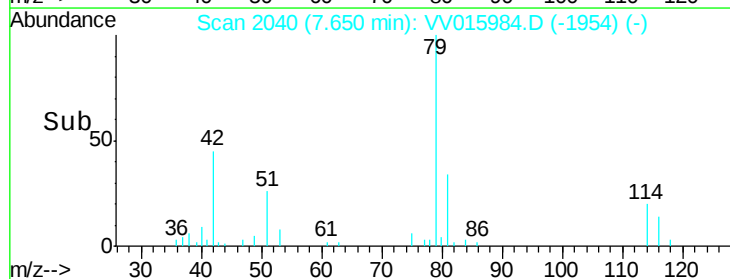
300

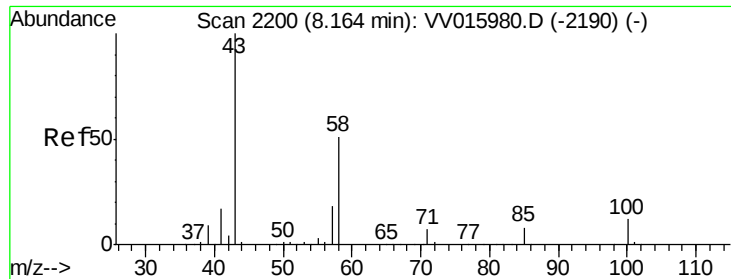
200

100

0

Time-->

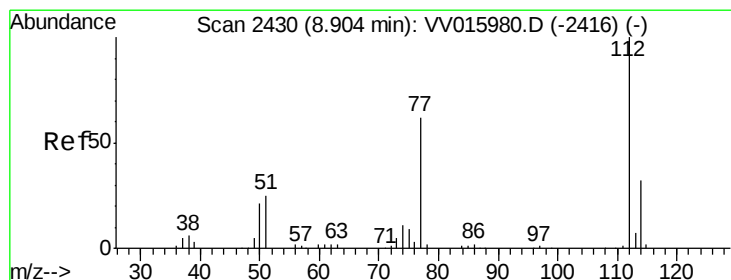
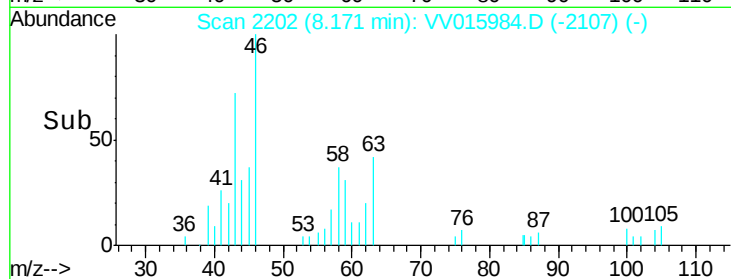
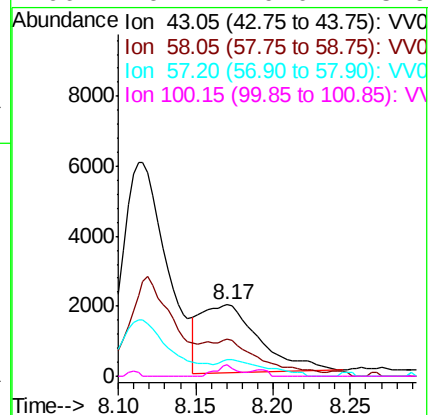
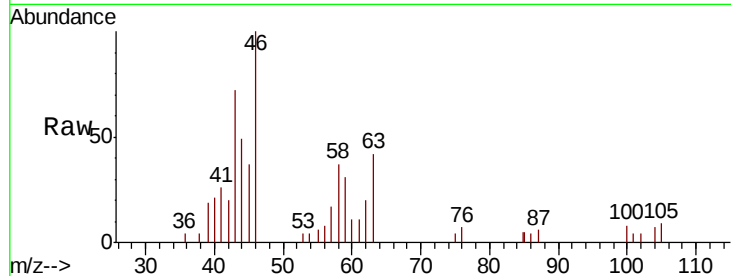




#50
2-Hexanone
Concen: 1.271 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV015984.D
Acq: 11 May 2020 13:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 5097
Ion Ratio Lower Upper
43 100
58 0.0 40.8 61.2#
57 19.5 14.7 22.1
100 6.1 9.0 13.6#



#53
Chlorobenzene
Concen: 5.987 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015984.D
Acq: 11 May 2020 13:05

Tgt Ion: 112 Resp: 146154
Ion Ratio Lower Upper
112 100
114 32.6 21.6 40.0
77 62.3 48.6 73.0

