

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072720\
 Data File : VV017690.D
 Acq On : 27 Jul 2020 20:18
 Operator : SY/MD
 Sample : L3459-12
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 28 04:58:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 28 04:52:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	143961	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	140600	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	65879	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	27728	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.58	69	25073	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.12	63	50273	3.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.20%
20) 2-Butanone-d5	3.96	46	69025	41.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.94%
24) Chloroform-d	4.37	84	81060	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.06	65	44843	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.07	84	138069	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.10	67	37263	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.40%
41) Toluene-d8	7.34	98	125715	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
45) trans-1,3-Dichloropropene-	7.65	79	15763	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
48) 2-Hexanone-d5	8.12	63	42574	35.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.38%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	25343	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	53381	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

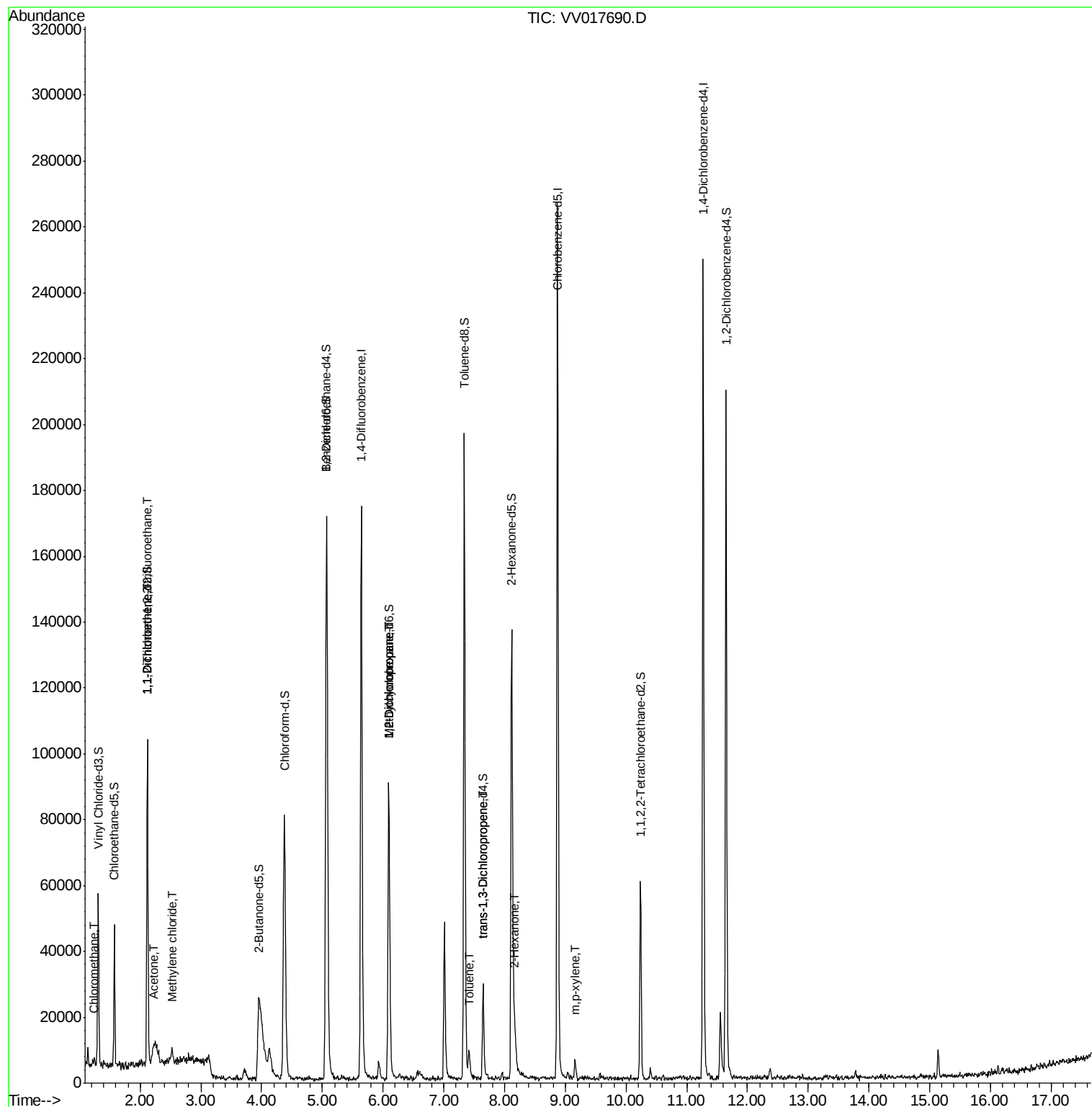
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	1264	0.123	ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	625	0.073	ug/L #	22
12) 1,1-Dichloroethene	2.12	96	676	0.087	ug/L #	1
13) Acetone	2.22	43	6391	4.964	ug/L #	74
16) Methylene chloride	2.52	84	1762	0.204	ug/L	87
35) Methylcyclohexane	6.09	83	11040	0.657	ug/L #	20
37) 1,2-Dichloropropane	6.10	63	5741	0.614	ug/L #	86
42) Toluene	7.41	91	5231	0.120	ug/L	93
46) trans-1,3-Dichloropropene	7.65	75	878	0.069	ug/L	98
50) 2-Hexanone	8.17	43	8448	2.328	ug/L #	89
55) m,p-xylene	9.16	106	1312	0.072	ug/L	99

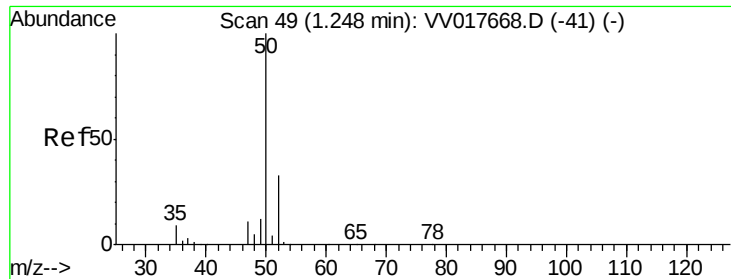
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.123 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017690.D

Acq: 27 Jul 2020 20:18

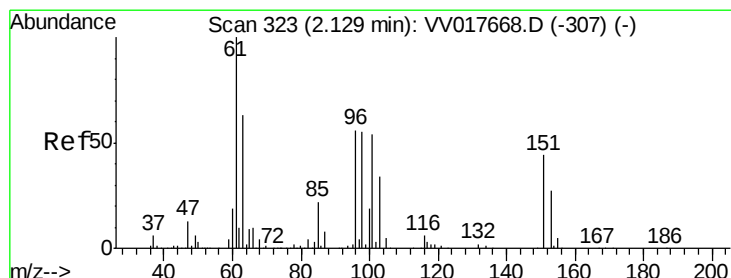
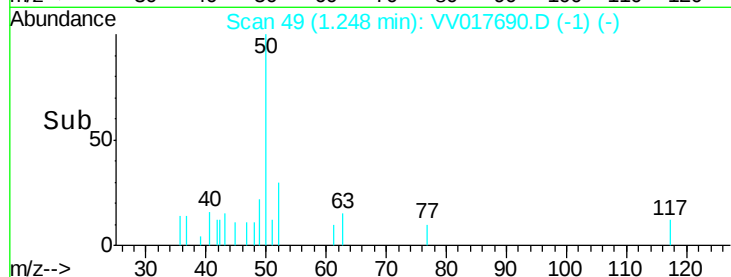
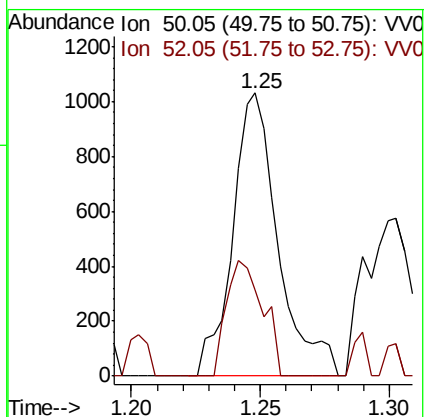
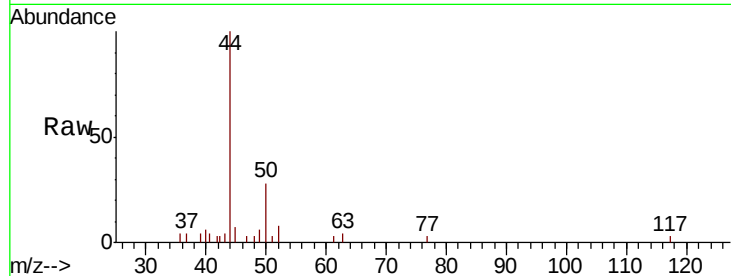
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 50 Resp: 1264

Ion Ratio Lower Upper

50 100

52 30.3 25.1 46.5



#10

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

Concen: 0.073 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017690.D

Acq: 27 Jul 2020 20:18

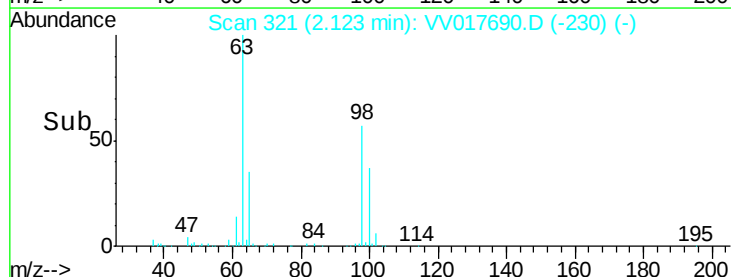
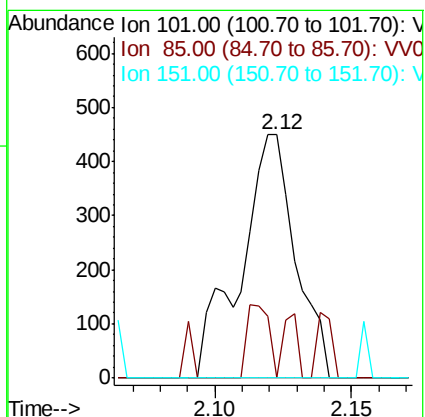
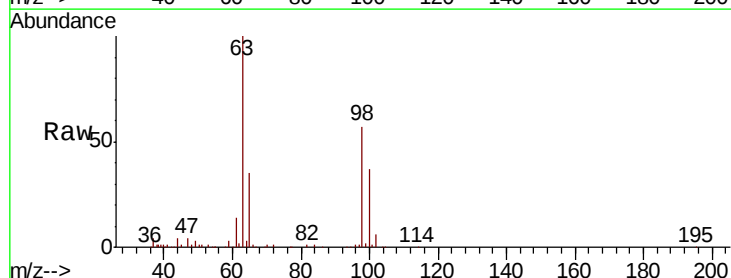
Tgt Ion: 101 Resp: 625

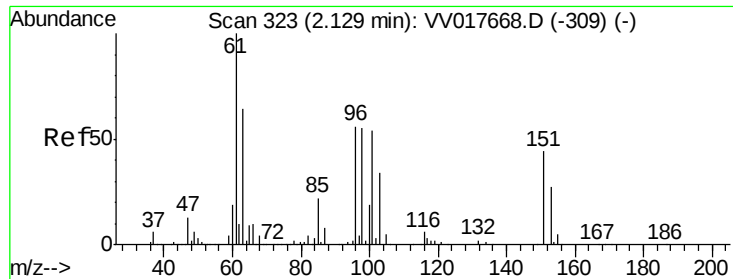
Ion Ratio Lower Upper

101 100

85 6.9 34.6 51.8#

151 0.0 63.5 95.3#





#12

1,1-Dichloroethene

Concen: 0.087 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017690.D

Acq: 27 Jul 2020 20:18

Instrument :
MSVOA_V
ClientSampleId :

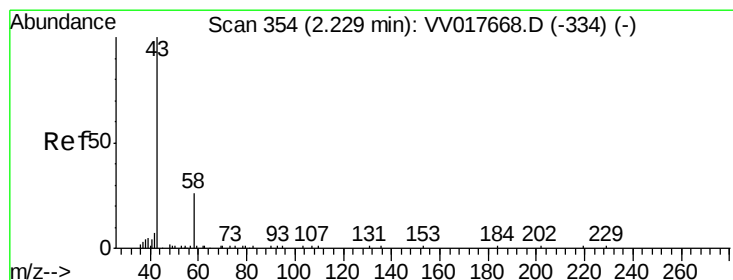
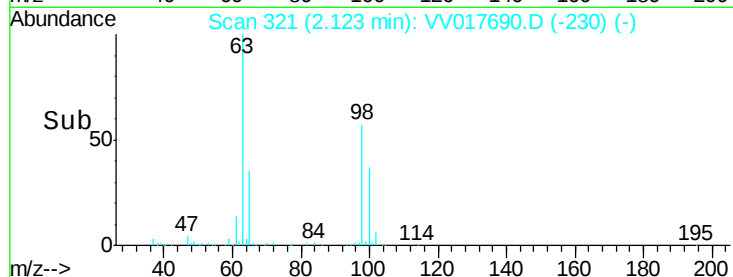
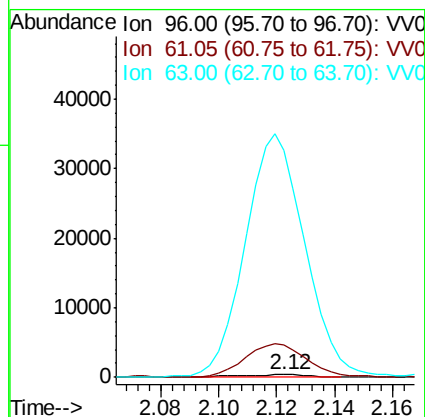
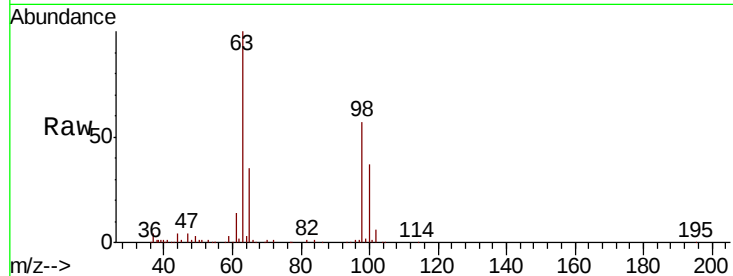
Tot Ion: 96 Resp: 676

Ion Ratio Lower Upper

96 100

61 1167.6 123.1 228.7#

63 8257.2 91.2 169.4#



#13

Acetone

Concen: 4.964 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.01 min

Lab File: VV017690.D

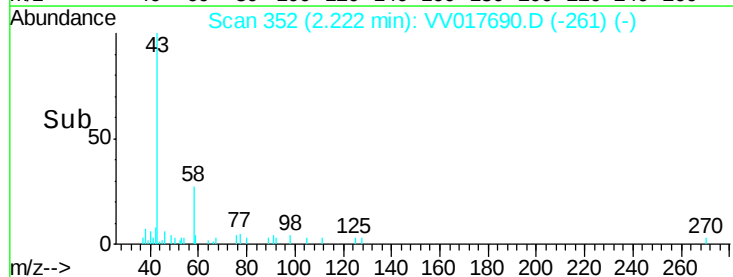
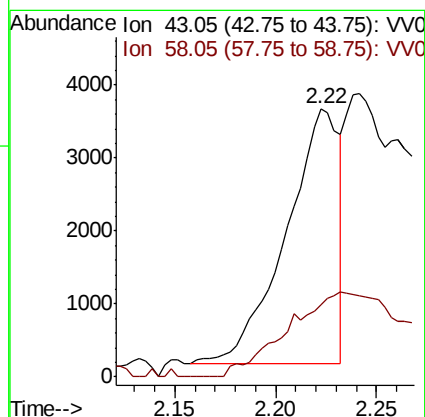
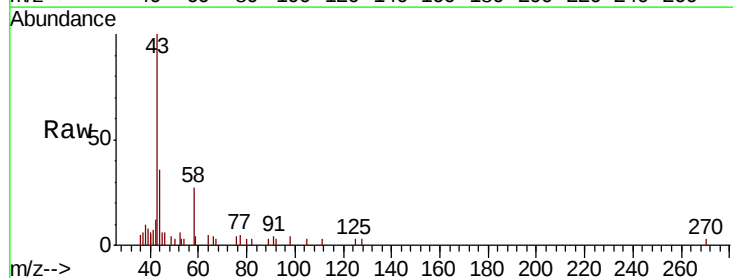
Acq: 27 Jul 2020 20:18

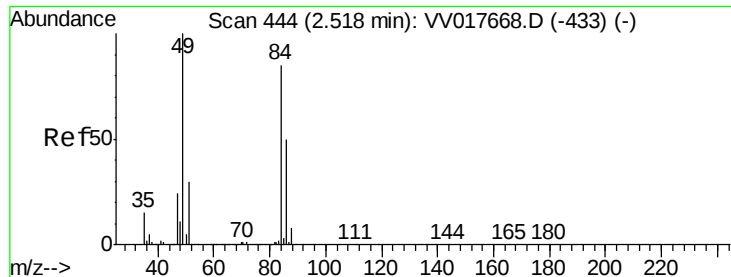
Tgt Ion: 43 Resp: 6391

Ion Ratio Lower Upper

43 100

58 0.0 0.0 18.6

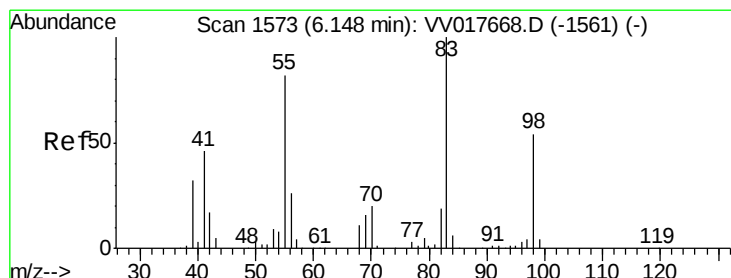
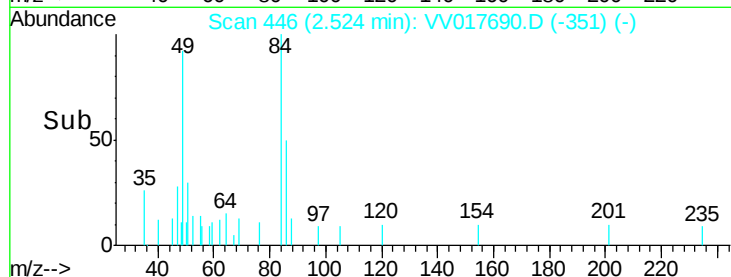
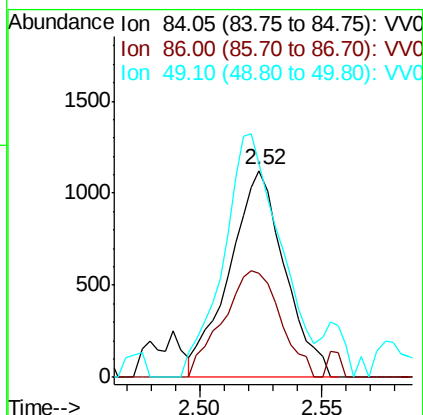
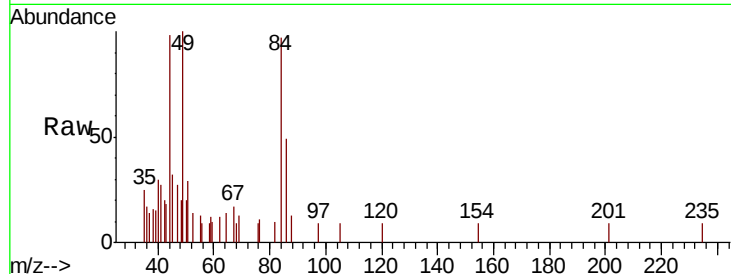




#16
Methvlene chloride
Concen: 0.204 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.01 min
Lab File: VV017690.D
Acq: 27 Jul 2020 20:18

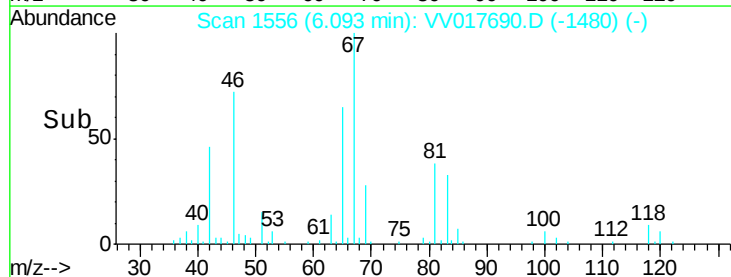
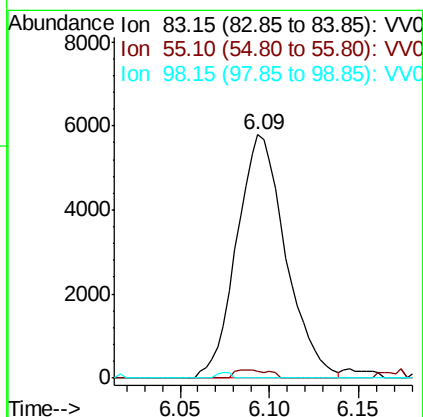
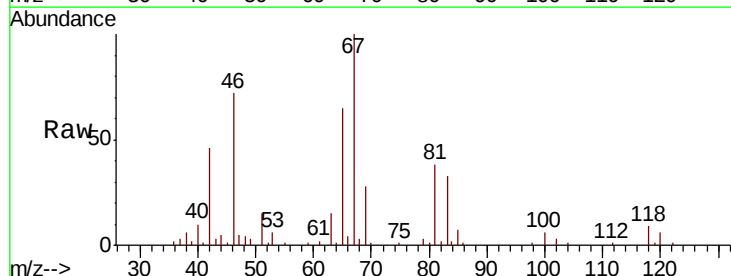
Instrument :
MSVOA_V
ClientSampleId :

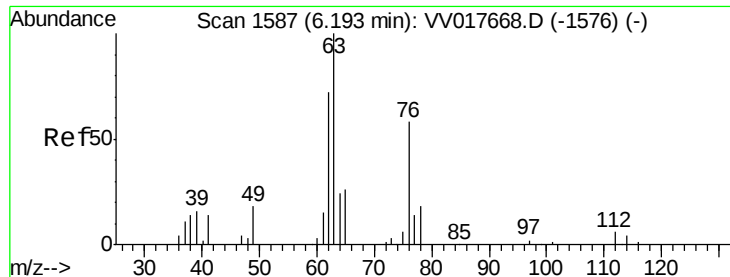
Tot Ion: 84 Resp: 1762
Ion Ratio Lower Upper
84 100
86 50.4 46.5 86.3
49 103.5 79.2 147.2



#35
Methylcyclohexane
Concen: 0.657 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.05 min
Lab File: VV017690.D
Acq: 27 Jul 2020 20:18

Tgt Ion: 83 Resp: 11040
Ion Ratio Lower Upper
83 100
55 2.3 61.8 92.8#
98 0.6 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.614 ug/L

RT: 6.10 min Scan# 1558

Delta R.T. -0.09 min

Lab File: VV017690.D

Acq: 27 Jul 2020 20:18

Instrument :

MSVOA_V

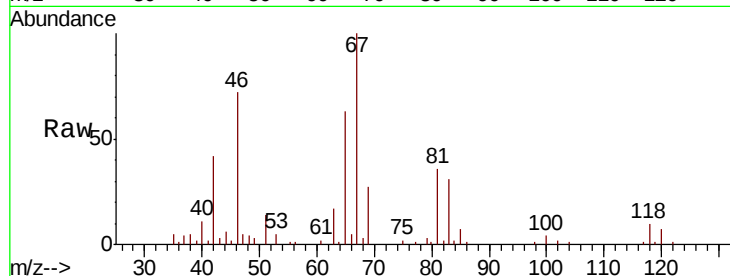
ClientSampleId :

Tot Ion: 63 Resp: 5741

Ion Ratio Lower Upper

63 100

112 0.8 4.5 6.7#



Abundance Ion 63.10 (62.80 to 63.80): VV017668.D (-1576) (-)

Ion 112.10 (111.80 to 112.80): VV017668.D (-1576) (-)

6.10

3000

2500

2000

1500

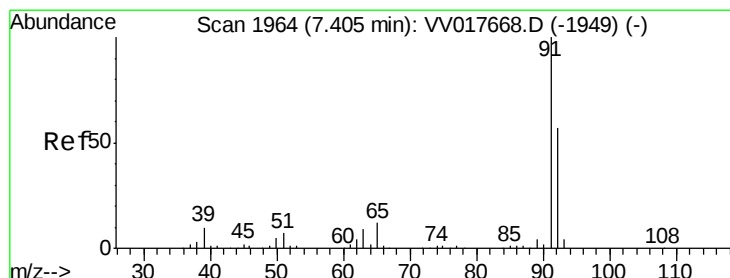
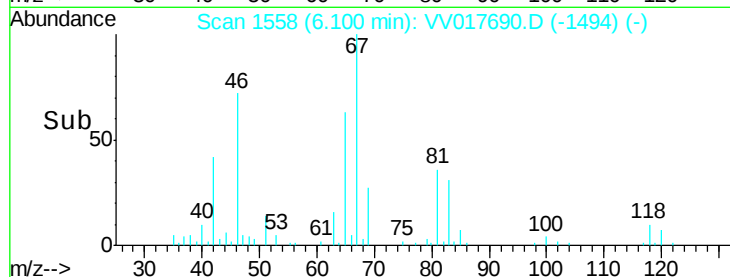
1000

500

0

6.05 6.10 6.15

Time-->



#42

Toluene

Concen: 0.120 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV017690.D

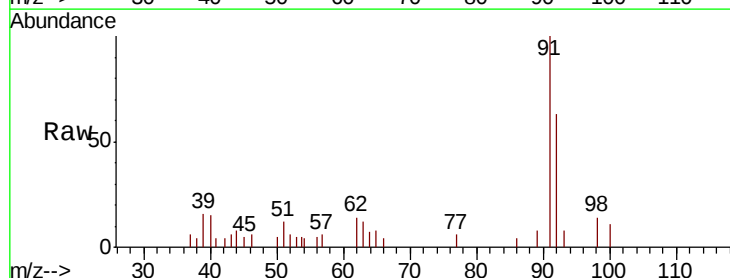
Acq: 27 Jul 2020 20:18

Tgt Ion: 91 Resp: 5231

Ion Ratio Lower Upper

91 100

92 63.3 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV017668.D (-1949) (-)

Ion 92.15 (91.85 to 92.85): VV017668.D (-1949) (-)

7.41

3000

2500

2000

1500

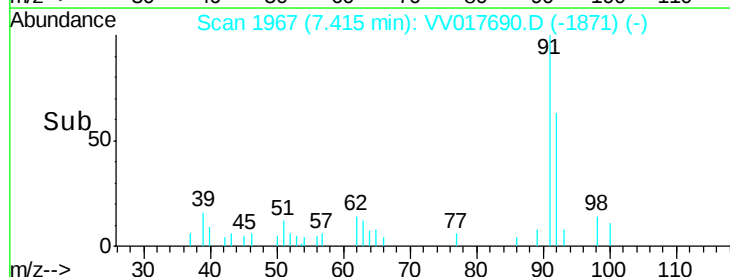
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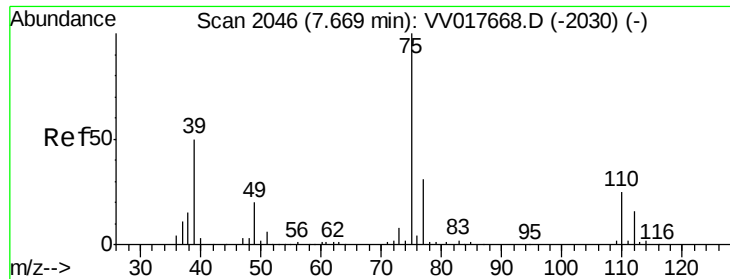
500

0

7.35 7.40 7.45

Time-->





#46

trans-1,3-Dichloropropene

Concen: 0.069 ug/L

RT: 7.65 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VV017690.D

Acq: 27 Jul 2020 20:18

Instrument :

MSVOA_V

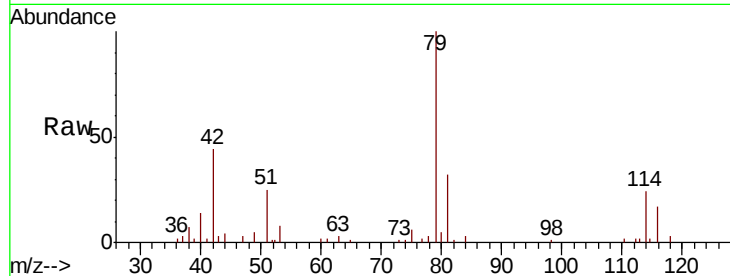
ClientSampled :

Tot Ion: 75 Resp: 878

Ion Ratio Lower Upper

75 100

77 33.0 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

600

500

400

300

200

100

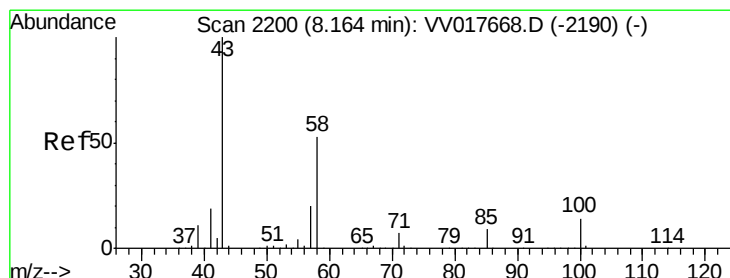
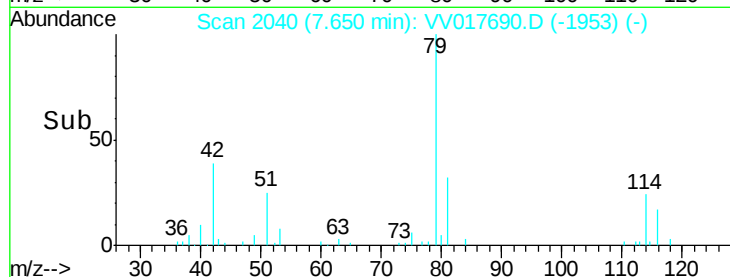
0

7.60

7.65

7.70

Time-->



#50

2-Hexanone

Concen: 2.328 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV017690.D

Acq: 27 Jul 2020 20:18

Tgt Ion: 43 Resp: 8448

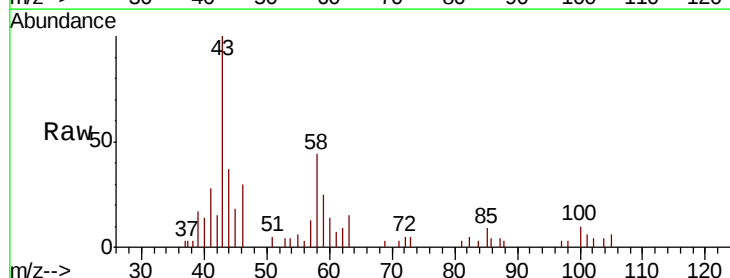
Ion Ratio Lower Upper

43 100

58 44.2 41.6 62.4

57 14.0 15.4 23.0#

100 11.2 11.2 16.8#



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

5000

4000

3000

2000

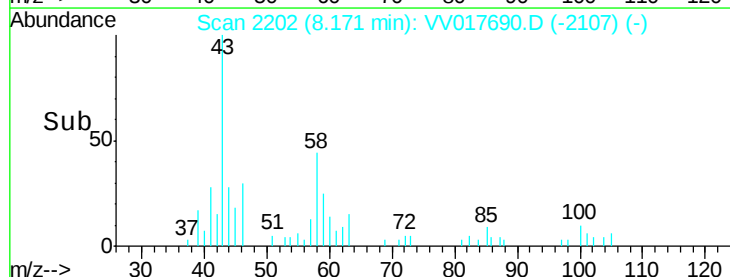
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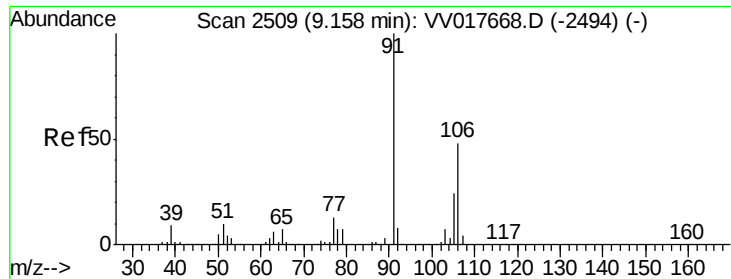
0

8.15

8.20

Time-->





#55
 m,p-xylene
 Concen: 0.072 ug/L
 RT: 9.16 min Scan# 2510
 Delta R.T. 0.00 min
 Lab File: VV017690.D
 Acq: 27 Jul 2020 20:18

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:106 Resp: 1312
 Ion Ratio Lower Upper
 106 100
 91 202.6 141.3 262.3

