

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070620\
 Data File : VV017340.D
 Acq On : 06 Jul 2020 10:29
 Operator : SY/MD
 Sample : L3168-15
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AK1

Quant Time: Jul 07 01:16:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 07 01:14:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	162926	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	161479	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	78111	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41346	4.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.60%
7) Chloroethane-d5	1.58	69	37613	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.80%
11) 1,1-Dichloroethene-d2	2.13	63	65895	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	3.92	46	115767	46.45	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.90%
24) Chloroform-d	4.37	84	106531	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.06	65	57715	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.07	84	183474	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.09	67	53522	4.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.40%
41) Toluene-d8	7.34	98	157981	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
45) trans-1,3-Dichloropropene-	7.64	79	20505	3.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.60%
48) 2-Hexanone-d5	8.11	63	73726	37.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.08%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	36066	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	70182	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	753	0.087	ug/L #	23
13) Acetone	2.20	43	23217	18.429	ug/L	95
16) Methylene chloride	2.53	84	5148	0.615	ug/L	84
25) Chloroform	4.40	83	14352	0.706	ug/L	99
33) Benzene	5.13	78	5990	0.142	ug/L	100
34) Trichloroethene	5.94	95	1549	0.125	ug/L	90
35) Methylcyclohexane	6.09	83	14560	0.756	ug/L #	19
37) 1,2-Dichloropropane	6.09	63	7115	0.680	ug/L #	85
42) Toluene	7.41	91	78108	1.589	ug/L	95
43) 1,3,5-Trimethylbenzene	10.94	105	7176	0.163	ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	7176	0.160	ug/L	93
46) trans-1,3-Dichloropropene	7.64	75	1035	0.077	ug/L #	68
50) 2-Hexanone	8.16	43	9789	2.276	ug/L #	80
54) Ethylbenzene	9.04	91	7666	0.146	ug/L	95
55) m,p-xylene	9.16	106	12539	0.609	ug/L	79
56) o-xylene	9.57	106	4644	0.242	ug/L	97
70) Naphthalene	13.54	128	2169	0.099	ug/L #	79

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QLast Update : Tue Jul 07 01:14:17 2020
Response via : Initial Calibration

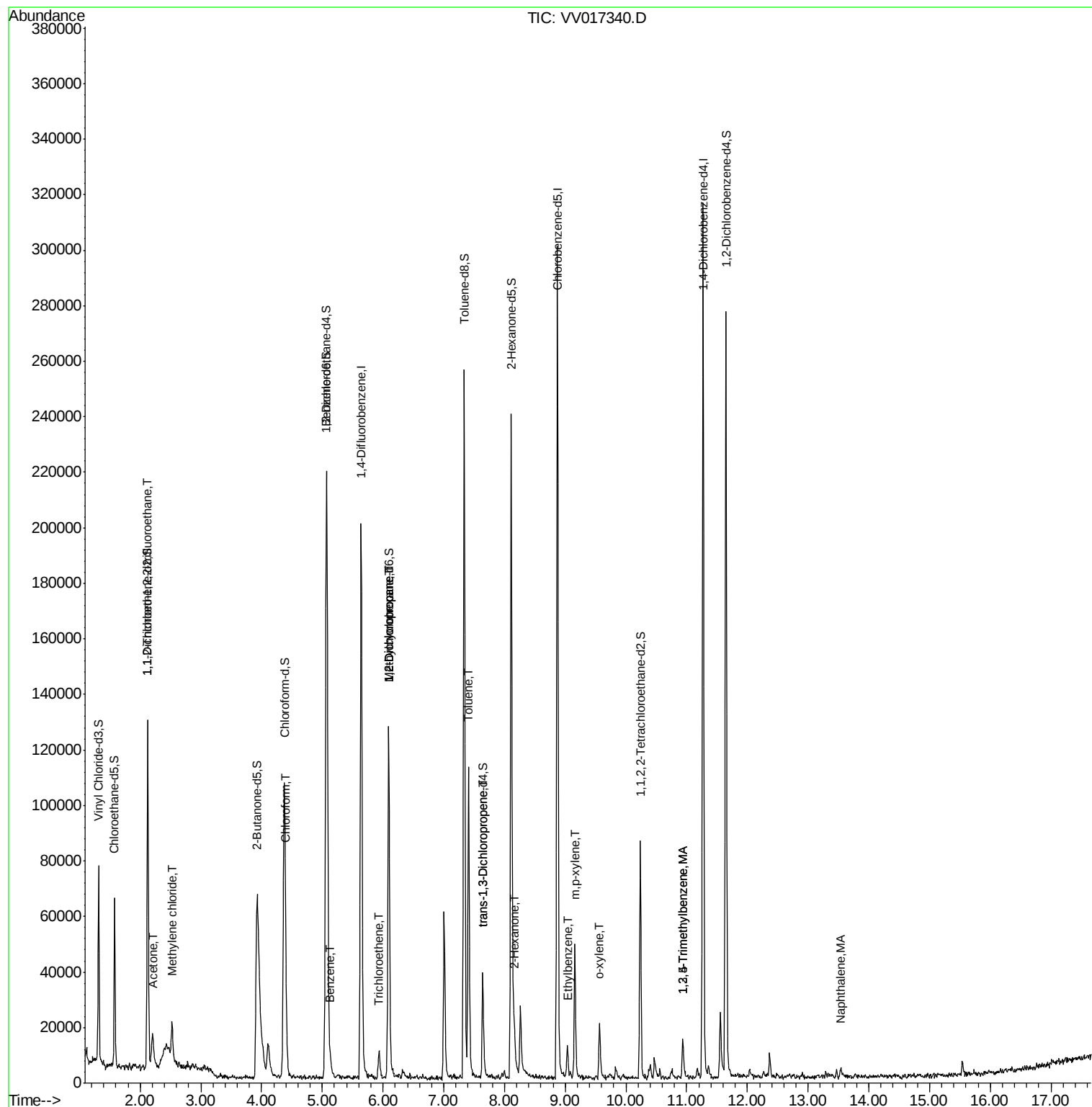
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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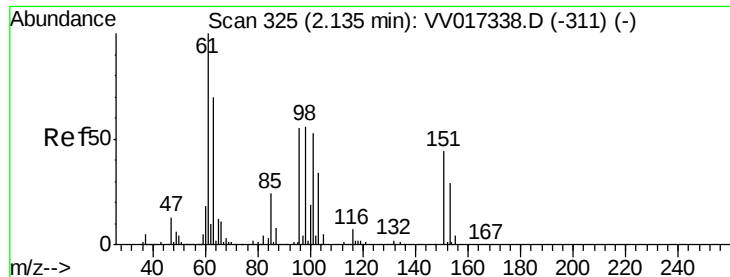
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.087 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017340.D

Acq: 06 Jul 2020 10:29

Instrument :

MSVOA_V

ClientSampleId :

C0AK1

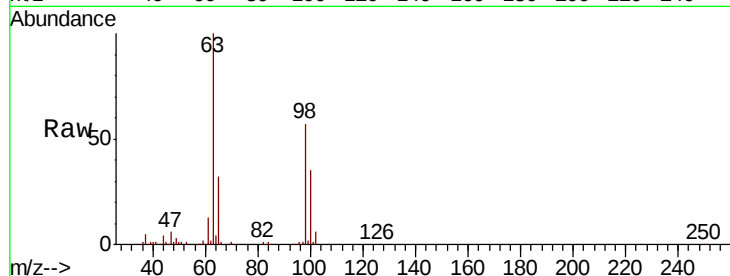
Tot Ion:101 Resp: 753

Ion Ratio Lower Upper

101 100

85 10.4 35.4 53.2#

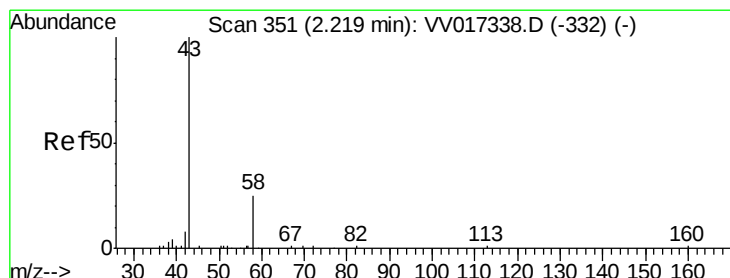
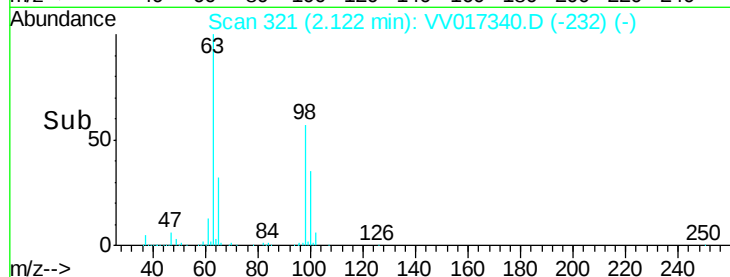
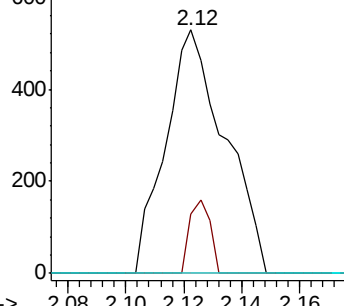
151 0.0 63.9 95.9#



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



#13

Acetone

Concen: 18.429 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.02 min

Lab File: VV017340.D

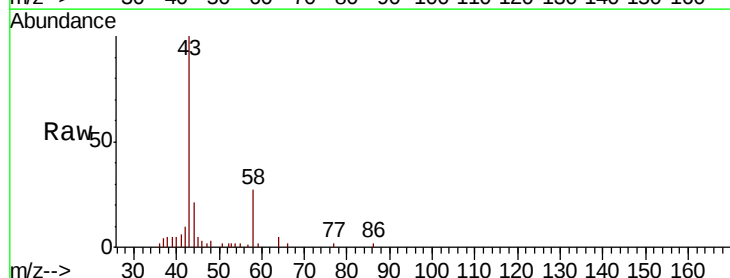
Acq: 06 Jul 2020 10:29

Tgt Ion: 43 Resp: 23217

Ion Ratio Lower Upper

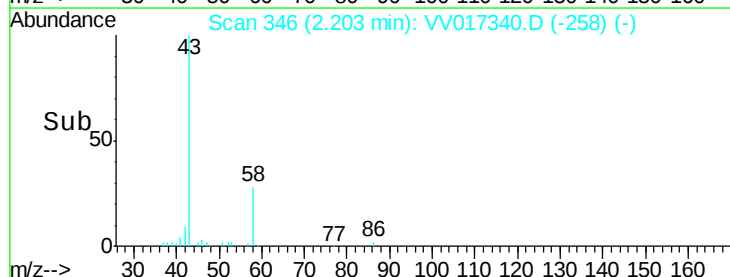
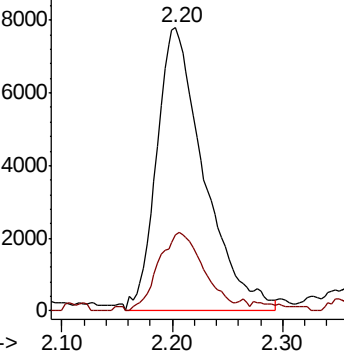
43 100

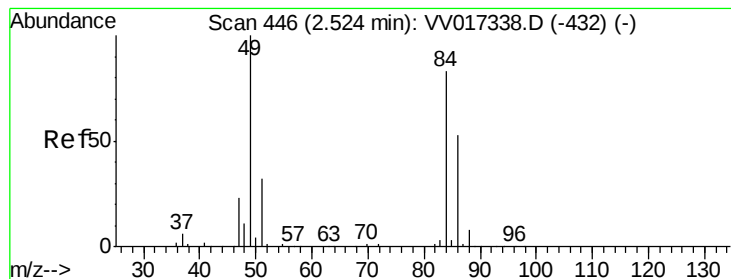
58 26.3 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#16

Methylene chloride

Concen: 0.615 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV017340.D

Acq: 06 Jul 2020 10:29

Instrument :

MSVOA_V

ClientSampleId :

C0AK1

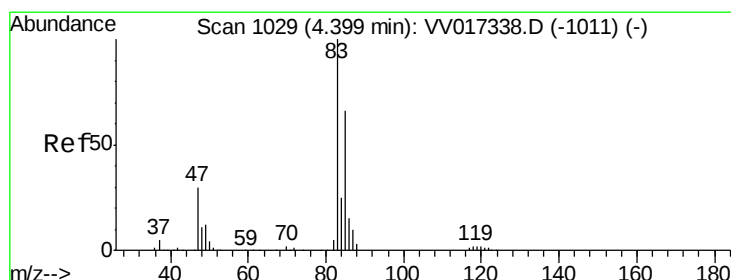
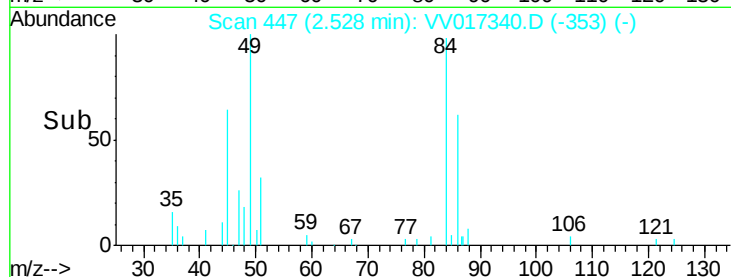
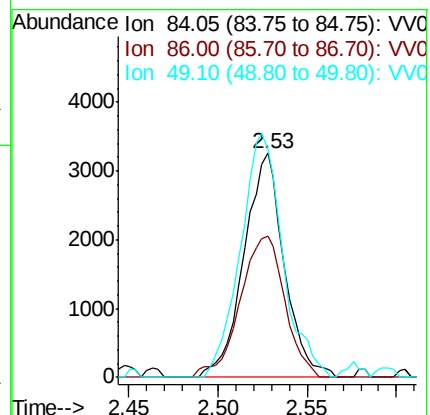
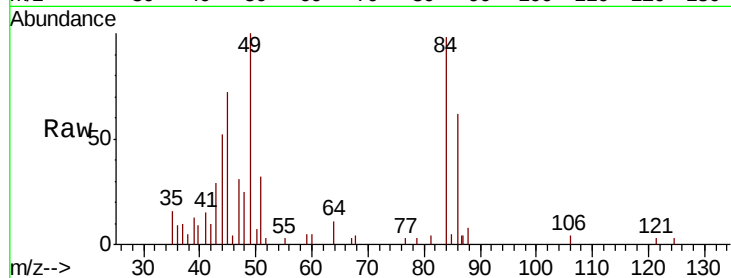
Tot Ion: 84 Resp: 5148

Ion Ratio Lower Upper

84 100

86 63.2 45.8 85.0

49 101.8 89.6 166.4



#25

Chloroform

Concen: 0.706 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV017340.D

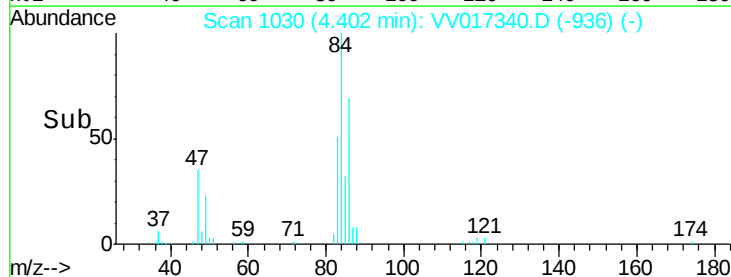
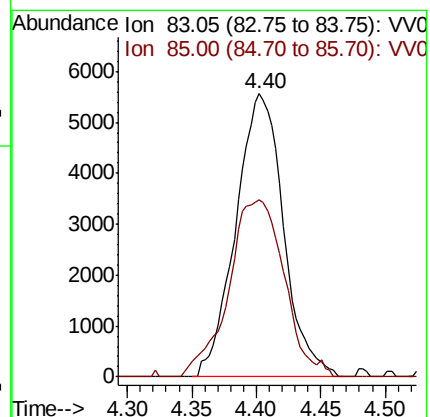
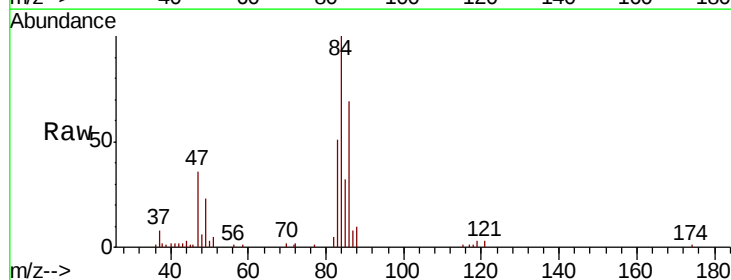
Acq: 06 Jul 2020 10:29

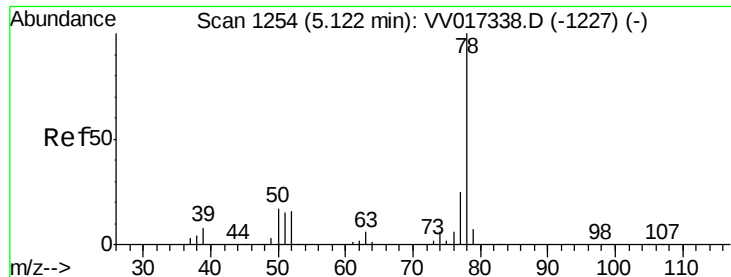
Tgt Ion: 83 Resp: 14352

Ion Ratio Lower Upper

83 100

85 62.5 44.2 82.2





#33

Benzene

Concen: 0.142 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV017340.D

Acq: 06 Jul 2020 10:29

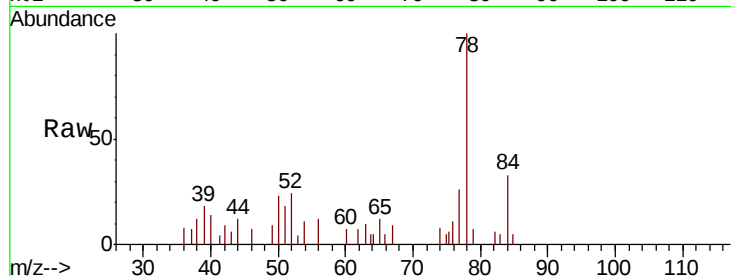
Instrument :

MSVOA_V

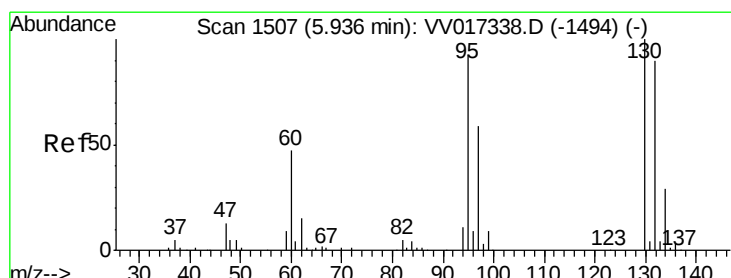
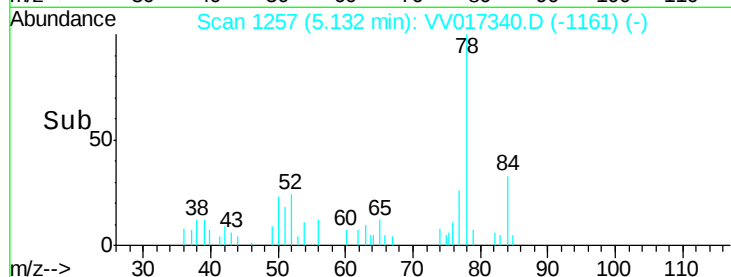
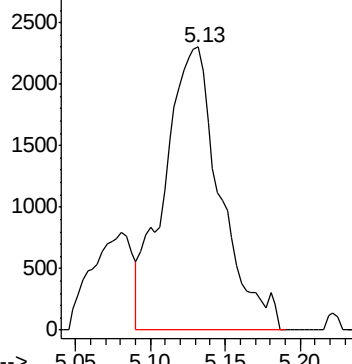
ClientSampleId :

C0AK1

Tgt Ion: 78 Resp: 5990



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.125 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV017340.D

Acq: 06 Jul 2020 10:29

Tgt Ion: 95 Resp: 1549

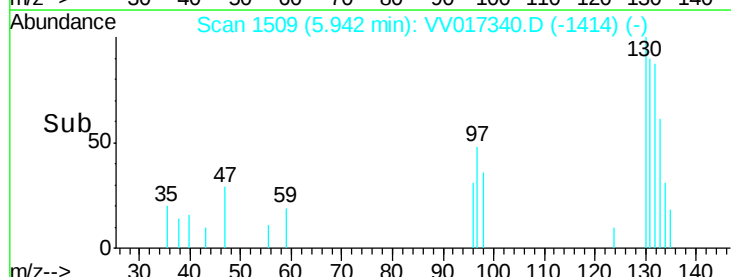
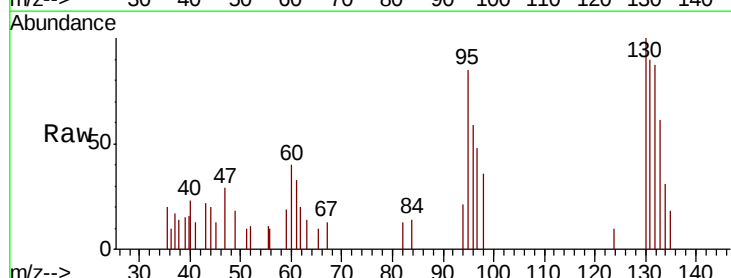
Ion	Ratio	Lower	Upper
95	100		
97	56.6	45.3	84.1
132	101.8	68.8	127.8
130	117.1	70.2	130.4

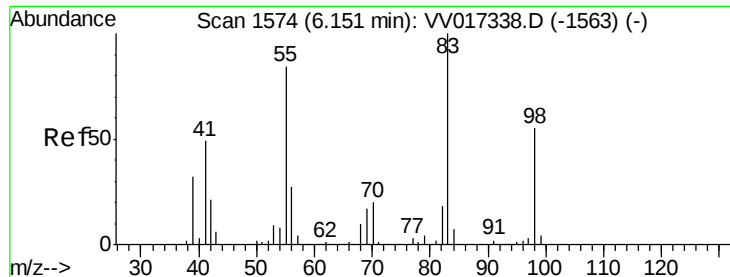
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

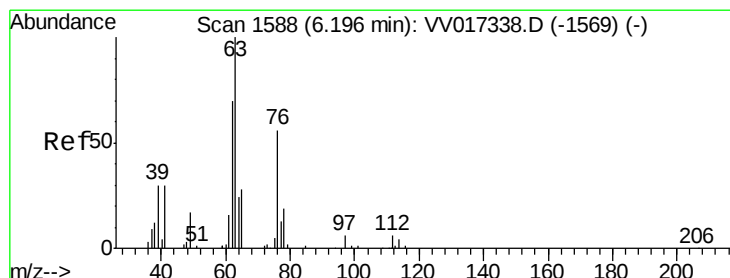
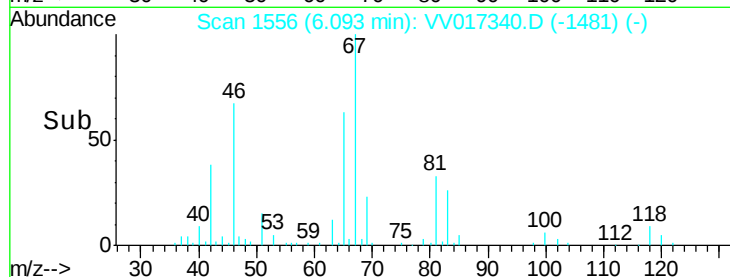
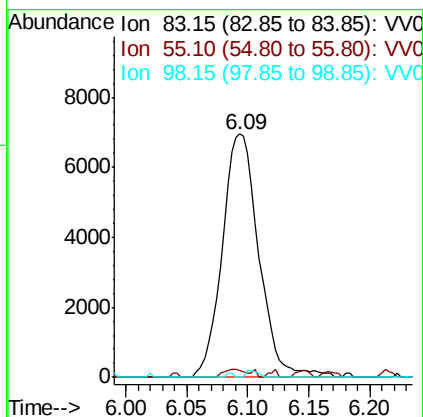
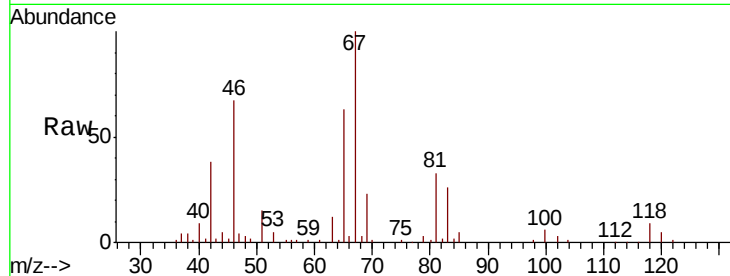




#35
Methvlcvclohexane
Concen: 0.756 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017340.D
Acq: 06 Jul 2020 10:29

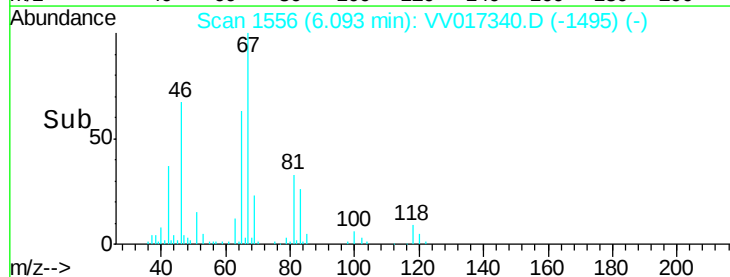
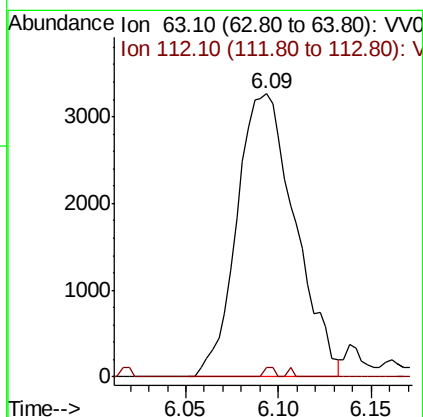
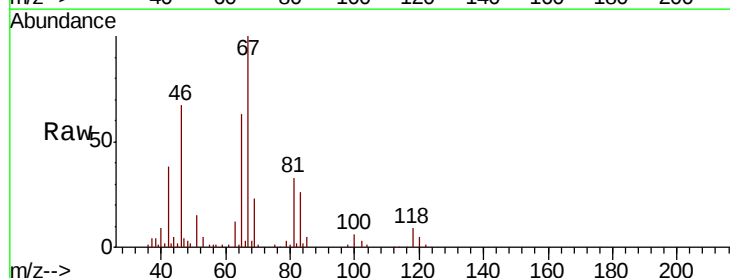
Instrument :
MSVOA_V
ClientSampleId :
C0AK1

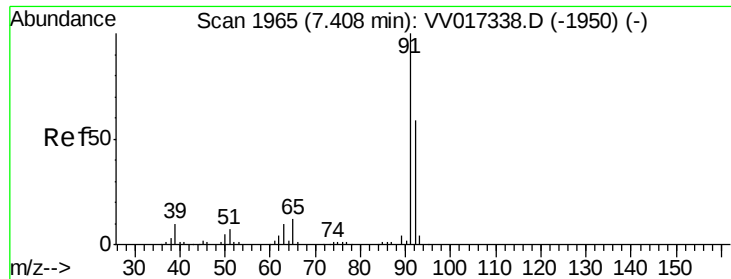
Tot Ion: 83 Resp: 14560
Ion Ratio Lower Upper
83 100
55 2.3 63.6 95.4#
98 0.3 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.680 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV017340.D
Acq: 06 Jul 2020 10:29

Tgt Ion: 63 Resp: 7115
Ion Ratio Lower Upper
63 100
112 0.6 4.4 6.6#





#42

Toluene

Concen: 1.589 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017340.D

Acq: 06 Jul 2020 10:29

Instrument :

MSVOA_V

ClientSampleId :

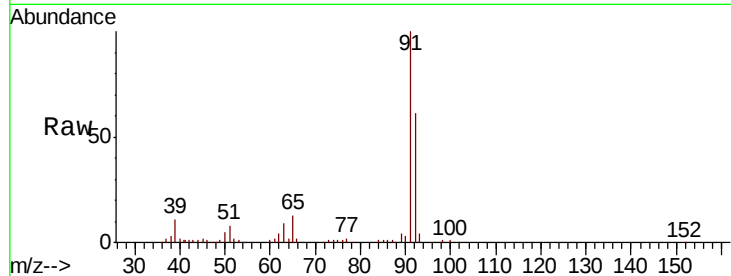
C0AK1

Tot Ion: 91 Resp: 78108

Ion Ratio Lower Upper

91 100

92 60.5 39.9 74.1

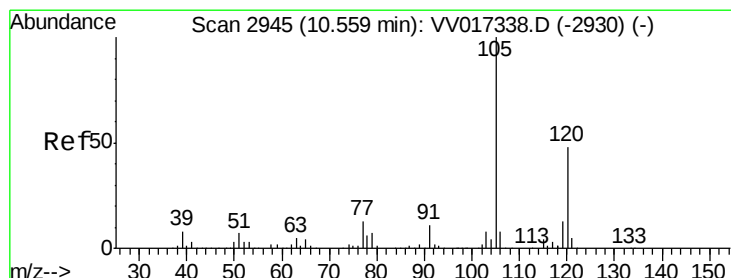
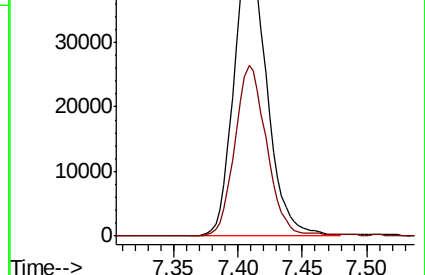
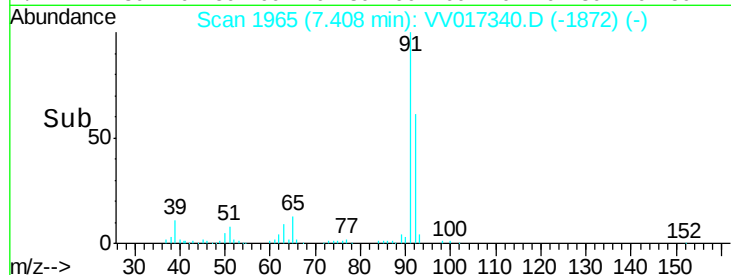


Abundance Ion 91.15 (90.85 to 91.85): VV017338.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV017338.D (-1950) (-)

7.41

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 0.163 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. 0.38 min

Lab File: VV017340.D

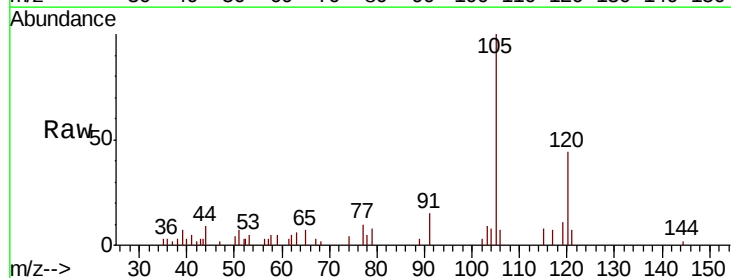
Acq: 06 Jul 2020 10:29

Tgt Ion: 105 Resp: 7176

Ion Ratio Lower Upper

105 100

120 49.3 38.6 57.8

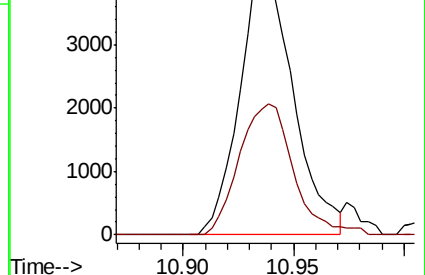
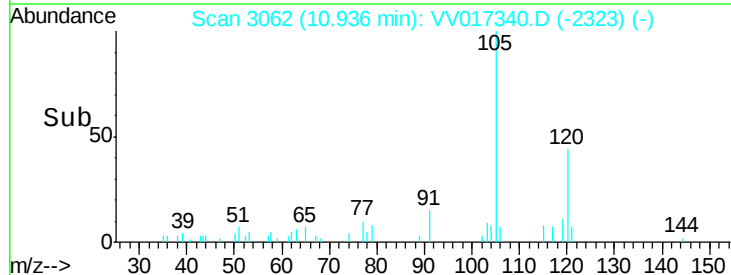


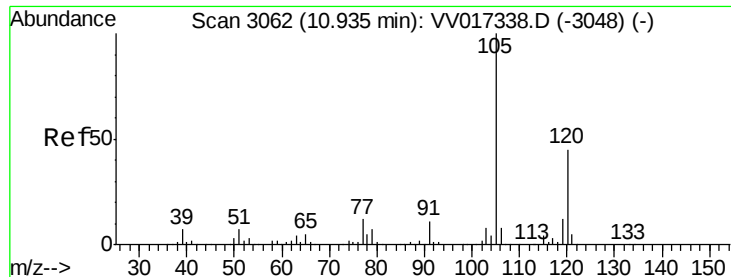
Abundance Ion 105.00 (104.70 to 105.70): VV017338.D (-2930) (-)

Ion 120.00 (119.70 to 120.70): VV017338.D (-2930) (-)

10.94

Time-->

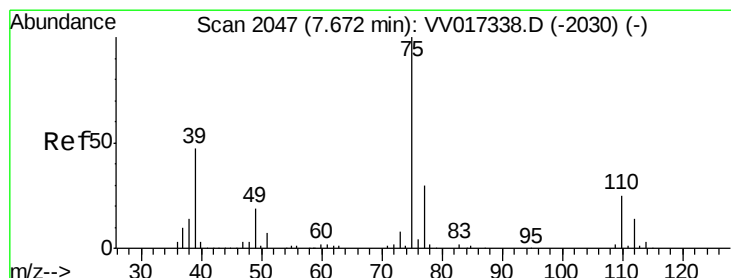
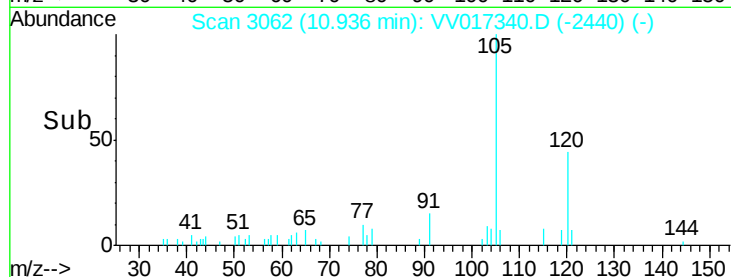
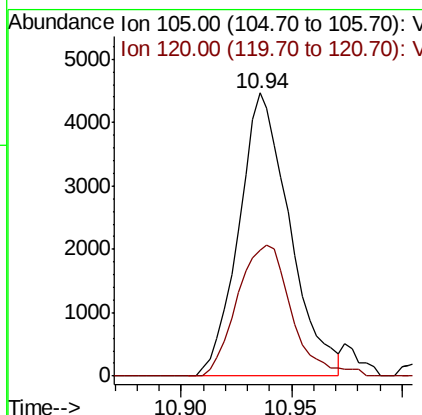
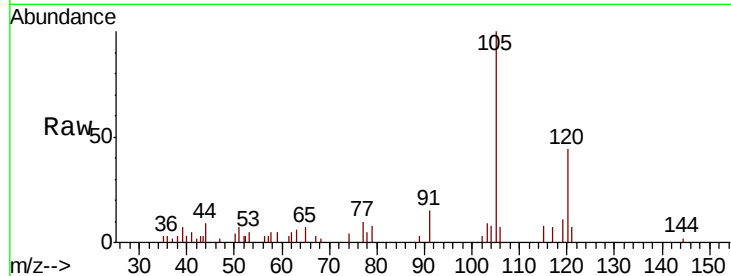




#44
1,2,4-Trimethylbenzene
Concen: 0.160 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VV017340.D
Acq: 06 Jul 2020 10:29

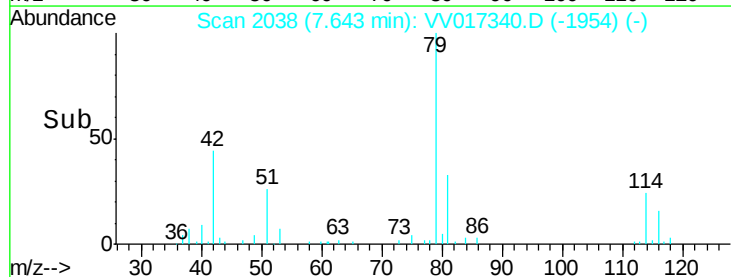
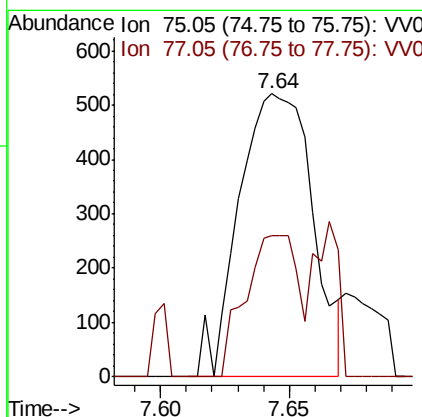
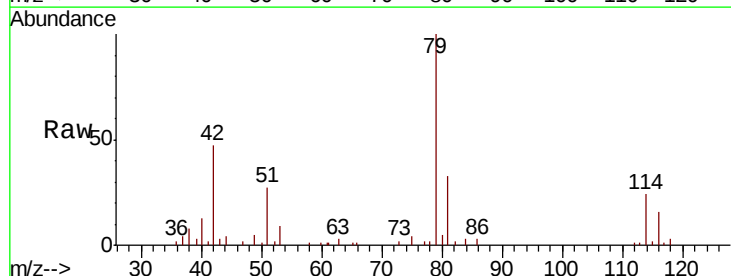
Instrument :
MSVOA_V
ClientSampled :
C0AK1

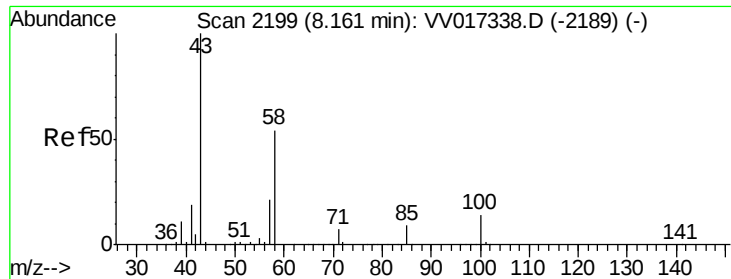
Tot Ion:105 Resp: 7176
Ion Ratio Lower Upper
105 100
120 49.3 35.8 53.8



#46
trans-1,3-Dichloropropene
Concen: 0.077 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. -0.03 min
Lab File: VV017340.D
Acq: 06 Jul 2020 10:29

Tgt Ion: 75 Resp: 1035
Ion Ratio Lower Upper
75 100
77 49.7 22.3 41.3#

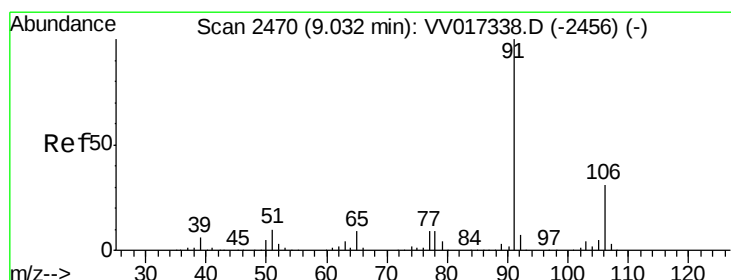
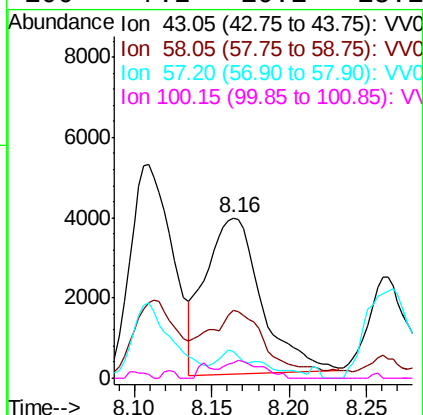
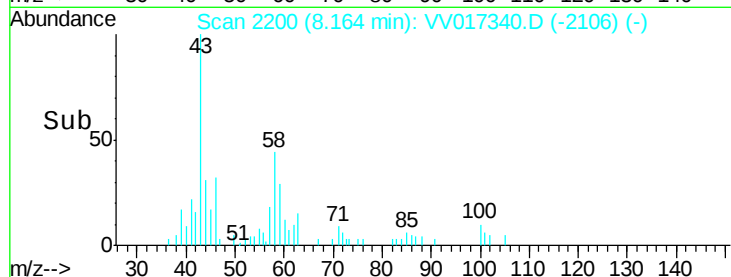
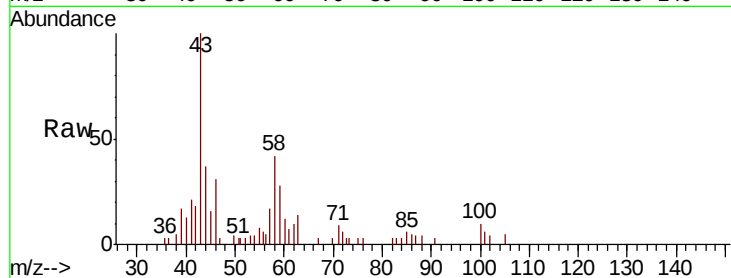




#50
2-Hexanone
Concen: 2.276 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV017340.D
Acq: 06 Jul 2020 10:29

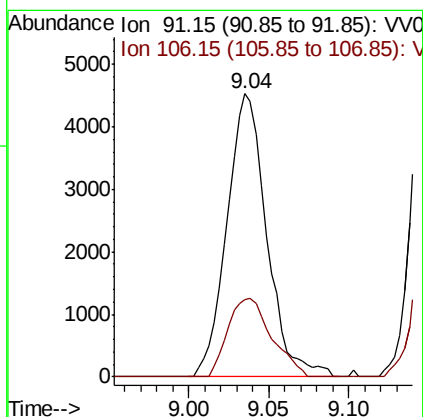
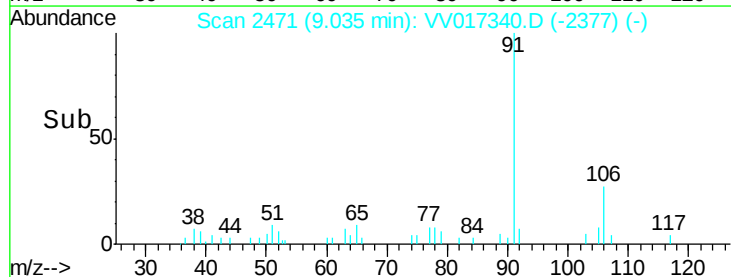
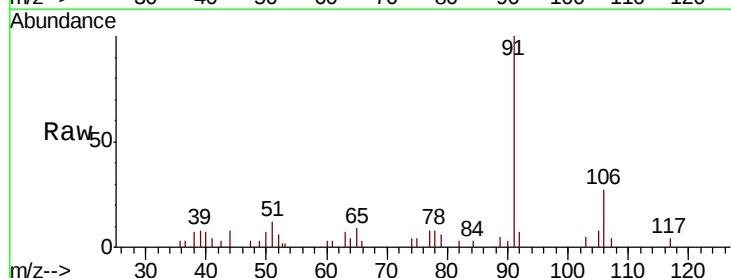
Instrument :
MSVOA_V
ClientSampled :
C0AK1

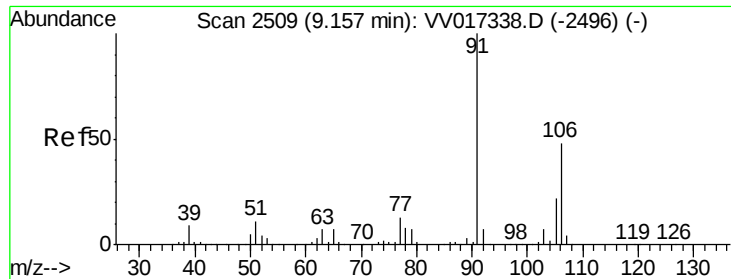
Tot Ion: 43 Resp: 9789
Ion Ratio Lower Upper
43 100
58 40.3 41.6 62.4#
57 3.5 15.4 23.0#
100 7.2 10.1 15.1#



#54
Ethylbenzene
Concen: 0.146 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV017340.D
Acq: 06 Jul 2020 10:29

Tgt Ion: 91 Resp: 7666
Ion Ratio Lower Upper
91 100
106 27.1 21.1 39.1





#55

m,p-xylene

Concen: 0.609 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017340.D

Acq: 06 Jul 2020 10:29

Instrument :

MSVOA_V

ClientSampleId :

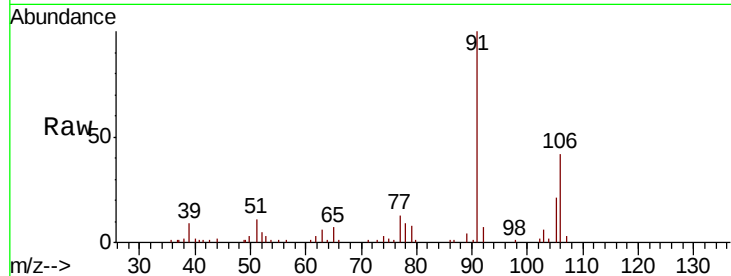
C0AK1

Tot Ion:106 Resp: 12539

Ion Ratio Lower Upper

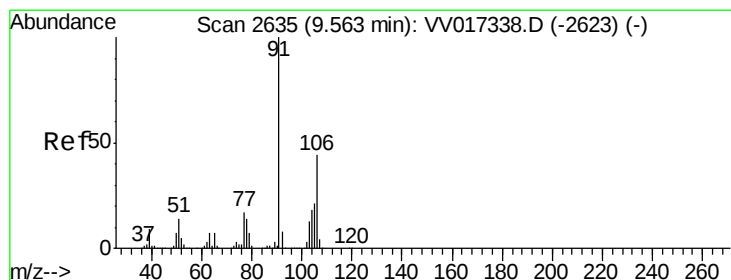
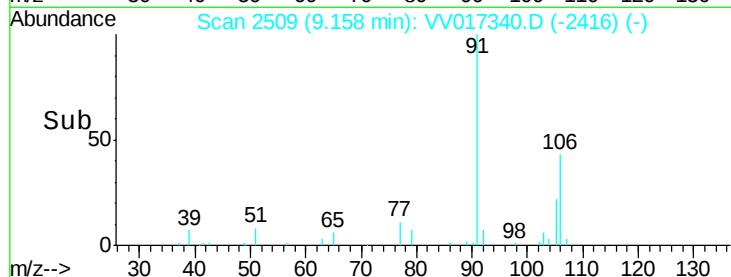
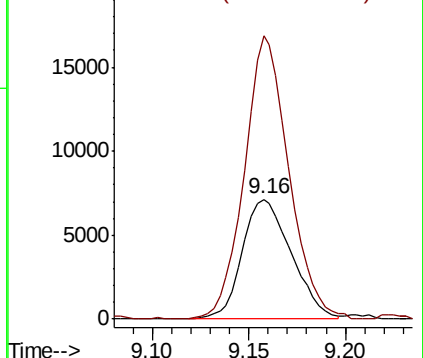
106 100

91 236.6 142.7 264.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 0.242 ug/L

RT: 9.57 min Scan# 2637

Delta R.T. 0.01 min

Lab File: VV017340.D

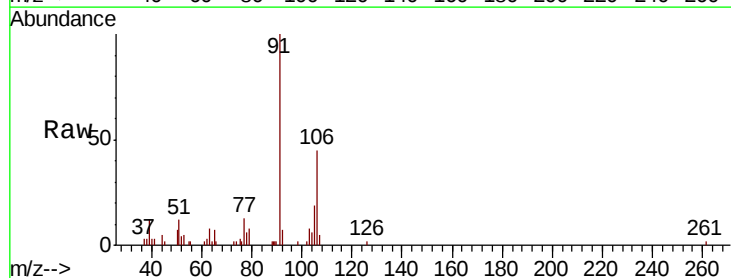
Acq: 06 Jul 2020 10:29

Tgt Ion:106 Resp: 4644

Ion Ratio Lower Upper

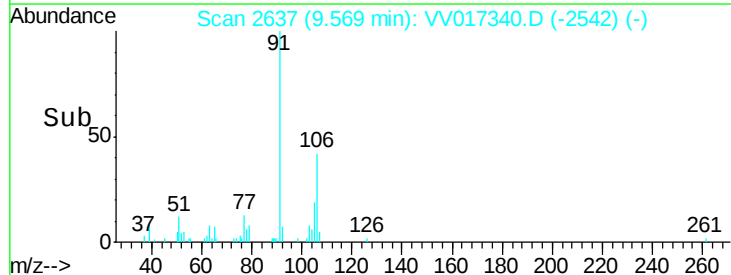
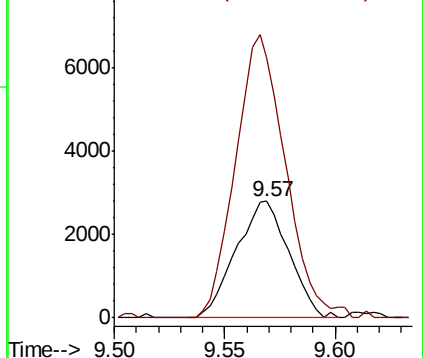
106 100

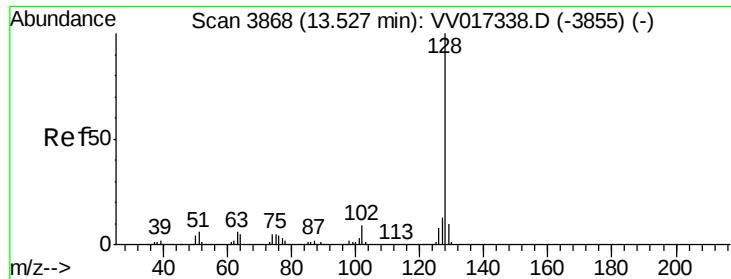
91 223.9 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#70
Naphthalene
Concen: 0.099 ug/L
RT: 13.54 min Scan# 3871
Delta R.T. 0.01 min
Lab File: VV017340.D
Acq: 06 Jul 2020 10:29

Instrument :
MSVOA_V
ClientSampleId :
C0AK1

Tot Ion:128 Resp: 2169
Ion Ratio Lower Upper
128 100
129 0.0 8.8 13.2#
127 7.2 10.5 15.7#

