

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070620\
 Data File : VV017358.D
 Acq On : 06 Jul 2020 18:04
 Operator : SY/MD
 Sample : L3168-14
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AK0

Quant Time: Jul 07 01:20:21 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	160059	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	157340	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	79090	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41464	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.58	69	35406	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.13	63	67528	3.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.80%
20) 2-Butanone-d5	3.93	46	103211	42.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.32%
24) Chloroform-d	4.38	84	98012	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.06	65	54326	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.08	84	173685	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
36) 1,2-Dichloropropane-d6	6.09	67	50802	4.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.20%
41) Toluene-d8	7.34	98	162636	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
45) trans-1,3-Dichloropropene-	7.64	79	21314	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
48) 2-Hexanone-d5	8.11	63	67171	34.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	69.28%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	34613	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	66276	4.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	756	0.089	ug/L #	20
12) 1,1-Dichloroethene	2.12	96	917	0.119	ug/L #	1
13) Acetone	2.21	43	21730	17.558	ug/L	95
15) Methyl Acetate	2.41	43	1573	0.520	ug/L #	57
16) Methylene chloride	2.52	84	2786	0.339	ug/L	81
21) 2-Butanone	4.03	43	9696	4.156	ug/L #	65
25) Chloroform	4.41	83	12847	0.643	ug/L	97
33) Benzene	5.14	78	5114	0.124	ug/L	100
35) Methylcyclohexane	6.10	83	14843	0.791	ug/L #	18
37) 1,2-Dichloropropane	6.10	63	6834	0.670	ug/L #	85
39) cis-1,3-Dichloropropene	7.01	75	1828	0.121	ug/L	97
42) Toluene	7.41	91	61762	1.289	ug/L	97
43) 1,3,5-Trimethylbenzene	10.56	105	1544	0.036	ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	6648	0.152	ug/L	97
46) trans-1,3-Dichloropropene	7.65	75	969	0.074	ug/L #	80
50) 2-Hexanone	8.16	43	6734	1.607	ug/L #	94
54) Ethylbenzene	9.04	91	6134	0.120	ug/L	94

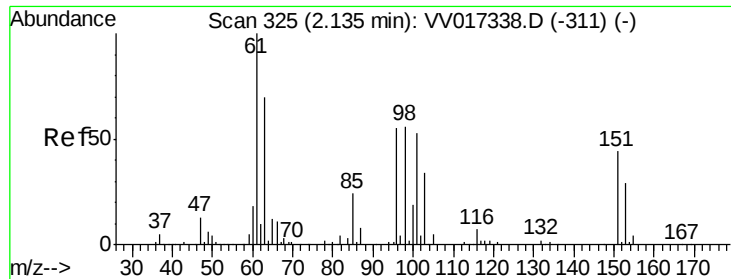
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070620\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 07 01:14:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) m,p-xylene	9.16	106	11443	0.571	ug/L	95
56) o-xylene	9.57	106	4564	0.244	ug/L	96
70) Naphthalene	13.53	128	1879	0.084	ug/L #	83

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



#10

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

Concen: 0.089 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017358.D

Acq: 06 Jul 2020 18:04

Instrument :

MSVOA_V

ClientSampleId :

C0AK0

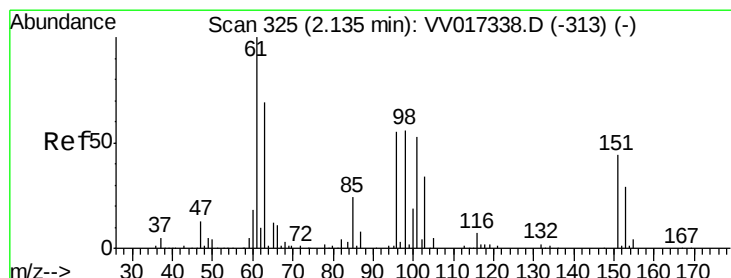
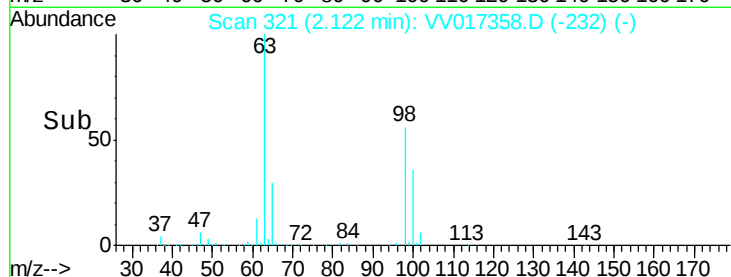
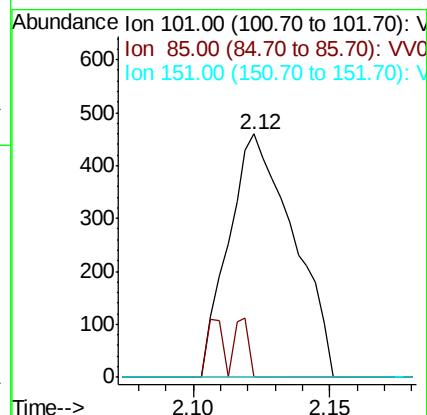
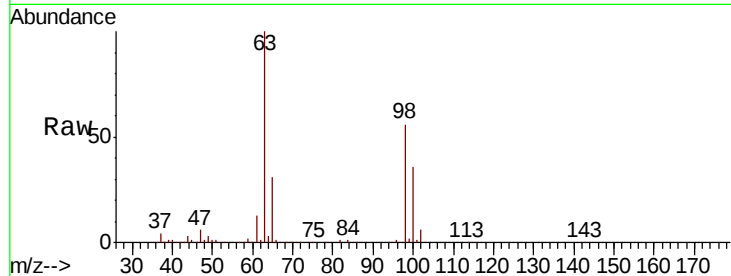
Tot Ion:101 Resp: 756

Ion Ratio Lower Upper

101 100

85 5.6 35.4 53.2#

151 0.0 63.9 95.9#



#12

1,1-Dichloroethene

Concen: 0.119 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.02 min

Lab File: VV017358.D

Acq: 06 Jul 2020 18:04

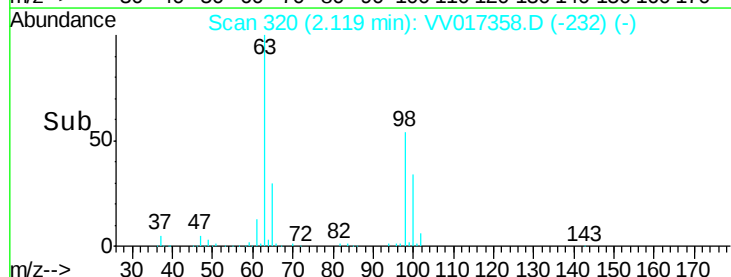
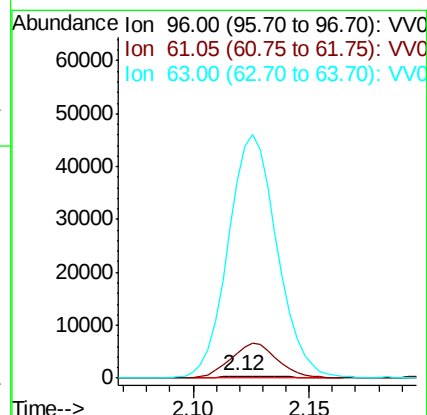
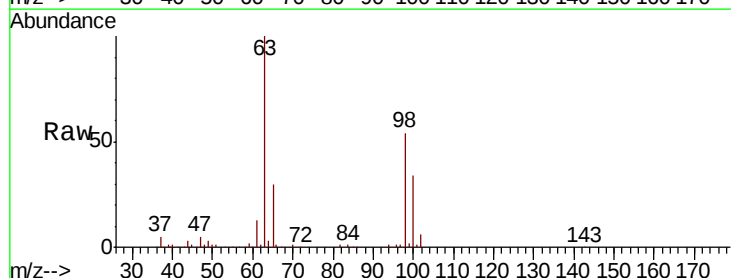
Tgt Ion: 96 Resp: 917

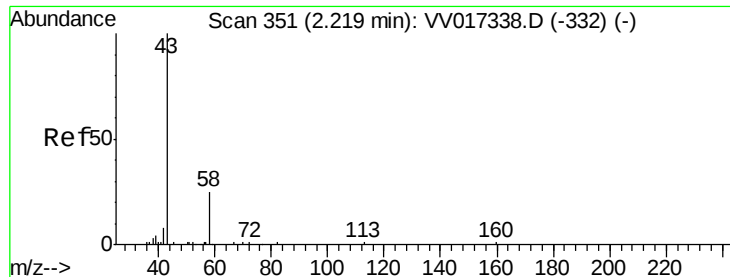
Ion Ratio Lower Upper

96 100

61 747.7 125.0 232.2#

63 5902.1 109.8 203.8#





#13

Acetone

Concen: 17.558 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV017358.D

Acq: 06 Jul 2020 18:04

Instrument :

MSVOA_V

ClientSampleId :

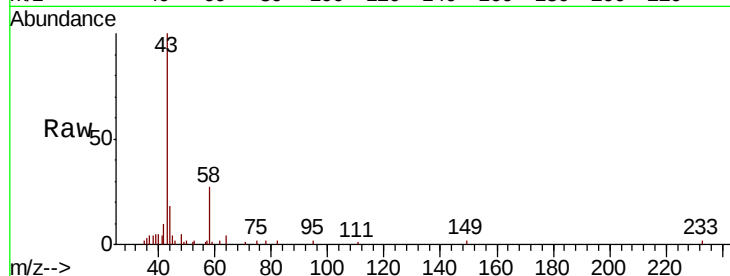
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Tot Ion: 43 Resp: 21730

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

8000

6000

4000

2000

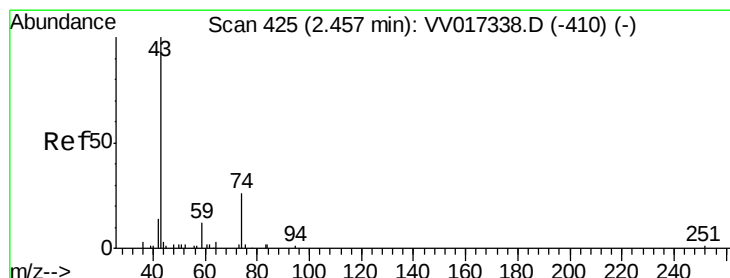
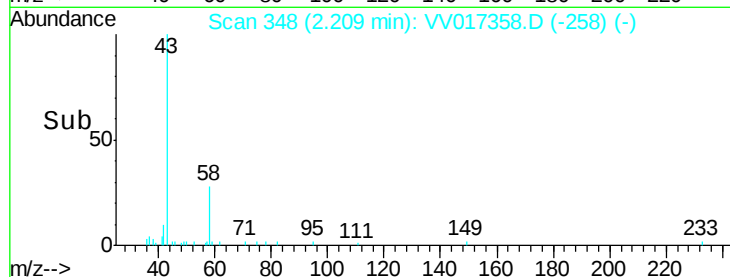
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Time-->

2.10

2.20

2.30



#15

Methyl Acetate

Concen: 0.520 ug/L

RT: 2.41 min Scan# 411

Delta R.T. -0.04 min

Lab File: VV017358.D

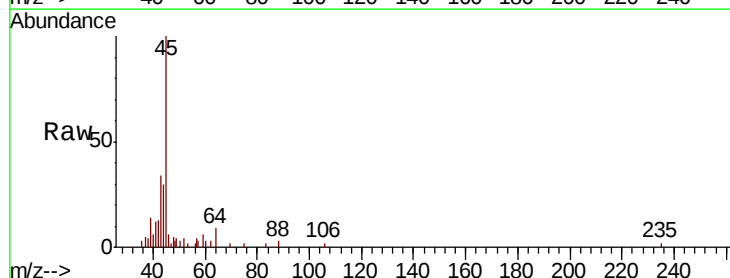
Acq: 06 Jul 2020 18:04

Tgt Ion: 43 Resp: 1573

Ion Ratio Lower Upper

43 100

74 2.9 19.1 28.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

1500

1000

500

0

Time-->

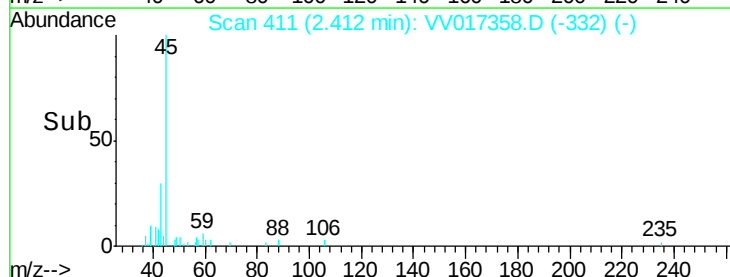
2.36

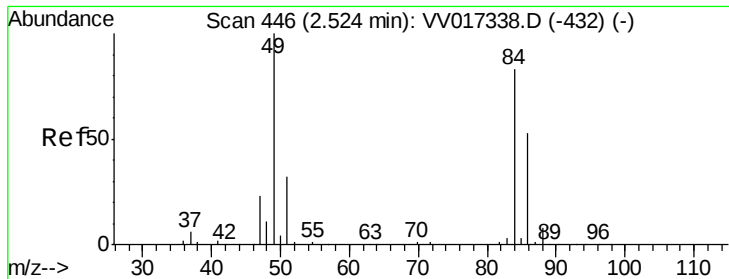
2.38

2.40

2.42

2.44

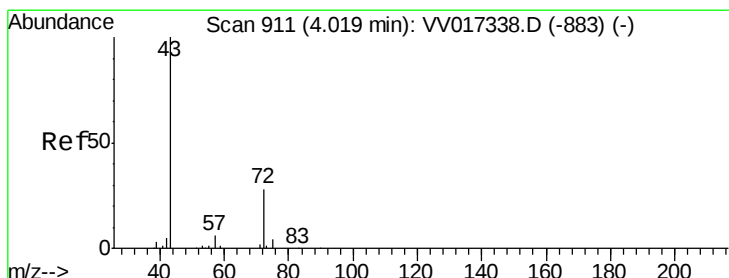
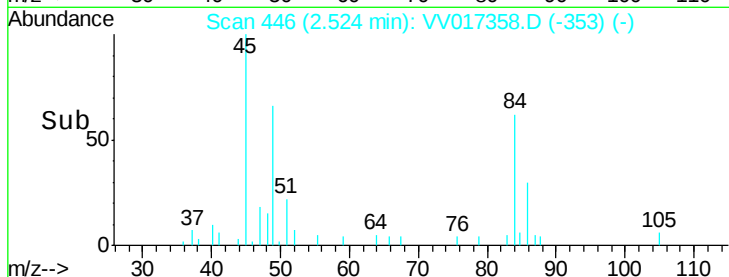
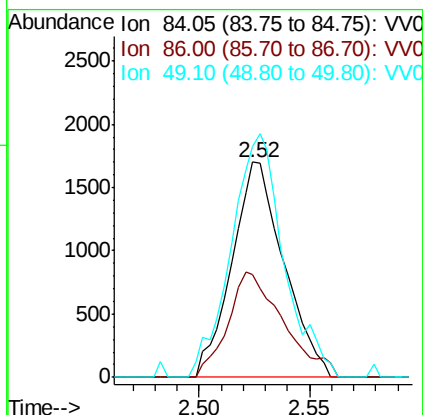
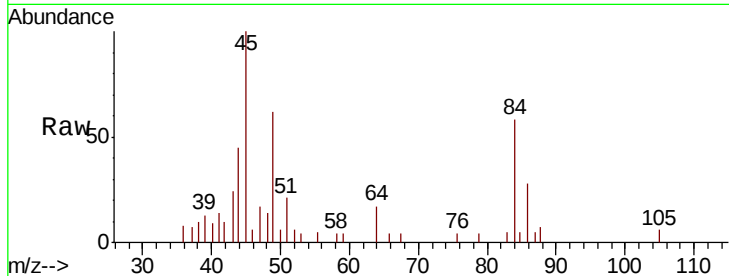




#16
Methylene chloride
Concen: 0.339 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017358.D
Acq: 06 Jul 2020 18:04

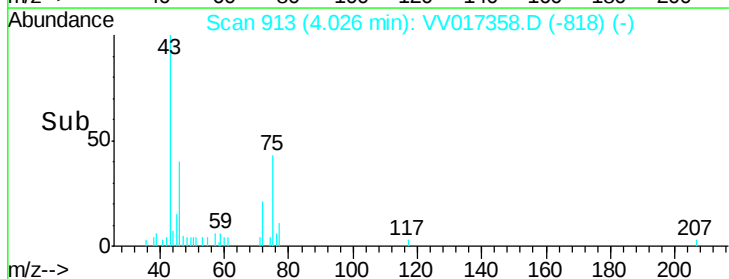
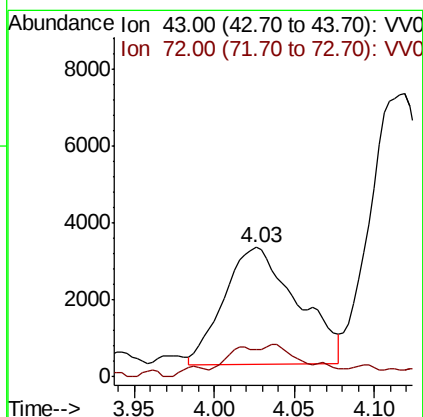
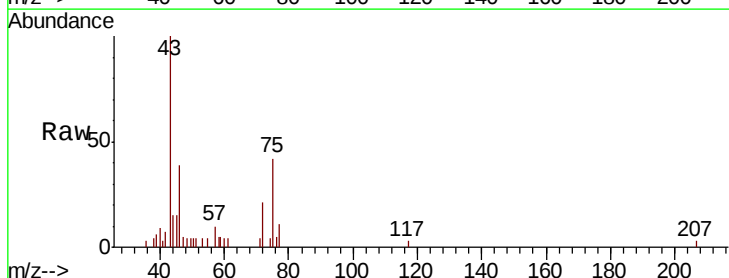
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ClientSampleId :
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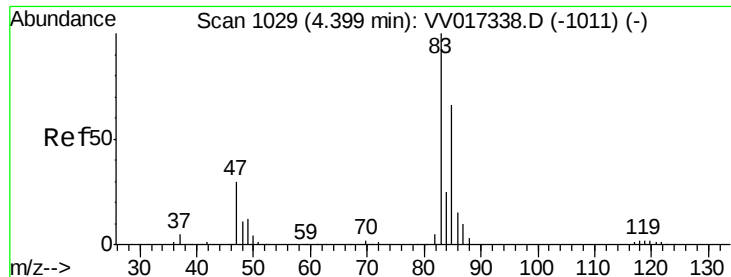
Tot Ion: 84 Resp: 2786
Ion Ratio Lower Upper
84 100
86 48.0 45.8 85.0
49 107.4 89.6 166.4



#21
2-Butanone
Concen: 4.156 ug/L
RT: 4.03 min Scan# 913
Delta R.T. 0.01 min
Lab File: VV017358.D
Acq: 06 Jul 2020 18:04

Tgt Ion: 43 Resp: 9696
Ion Ratio Lower Upper
43 100
72 7.3 12.4 37.4#

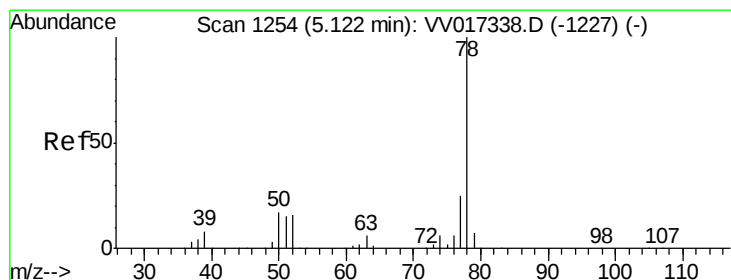
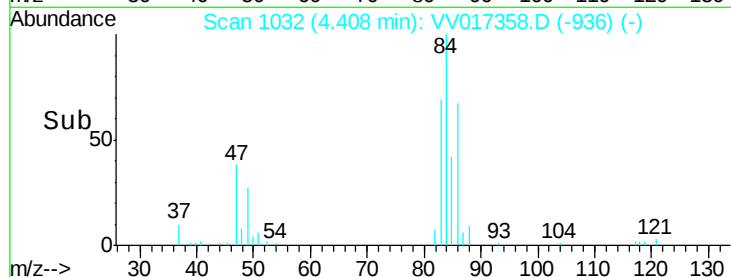
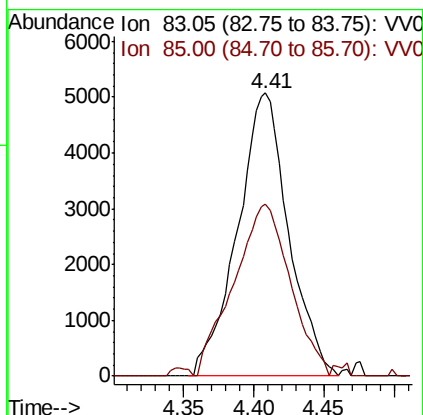
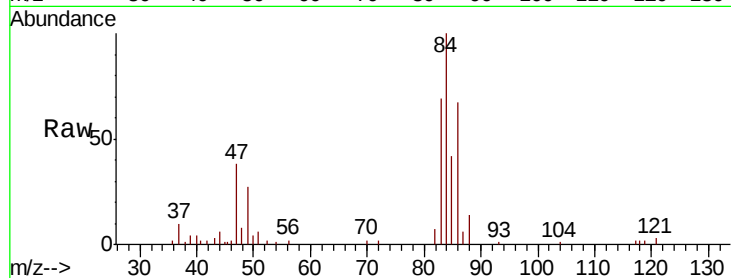




#25
Chloroform
Concen: 0.643 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV017358.D
Acq: 06 Jul 2020 18:04

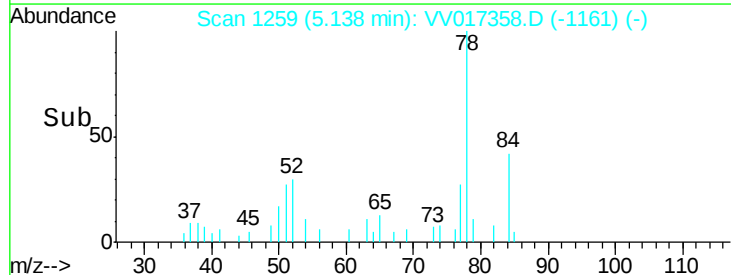
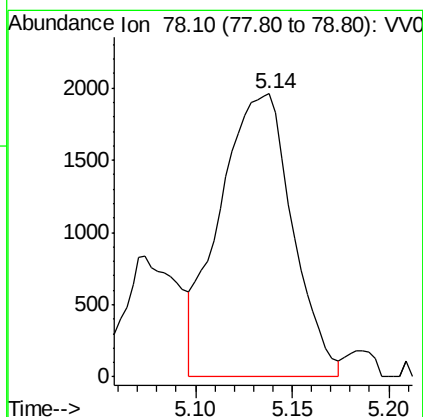
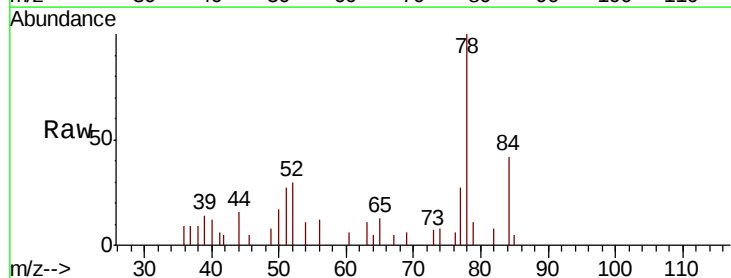
Instrument :
MSVOA_V
ClientSampled :
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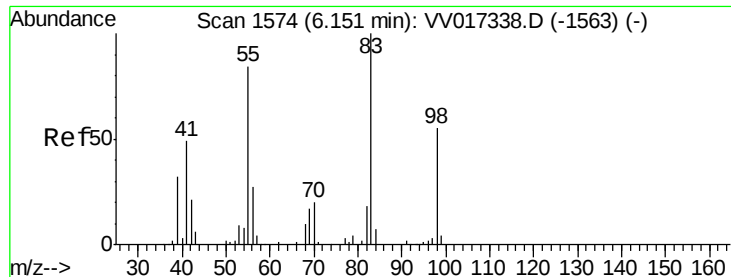
Tot Ion: 83 Resp: 12847
Ion Ratio Lower Upper
83 100
85 60.6 44.2 82.2



#33
Benzene
Concen: 0.124 ug/L
RT: 5.14 min Scan# 1259
Delta R.T. 0.02 min
Lab File: VV017358.D
Acq: 06 Jul 2020 18:04

Tgt Ion: 78 Resp: 5114

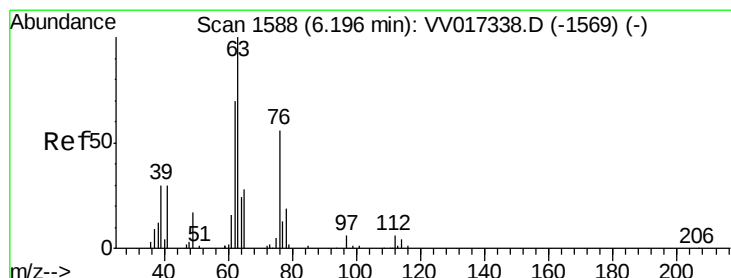
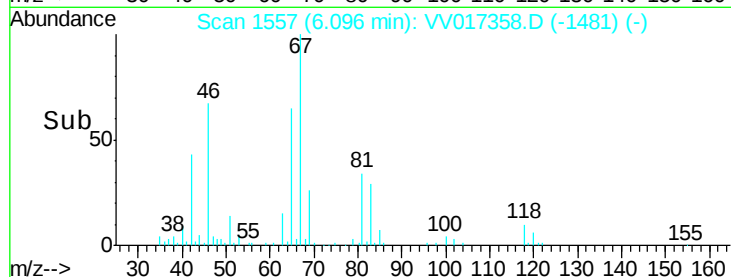
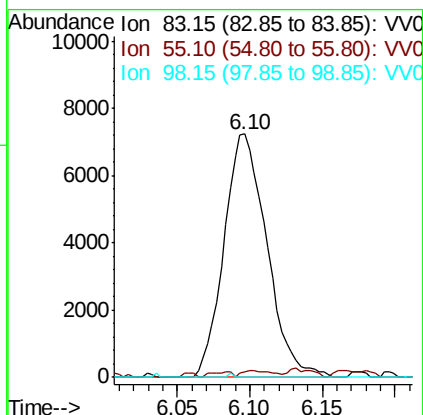
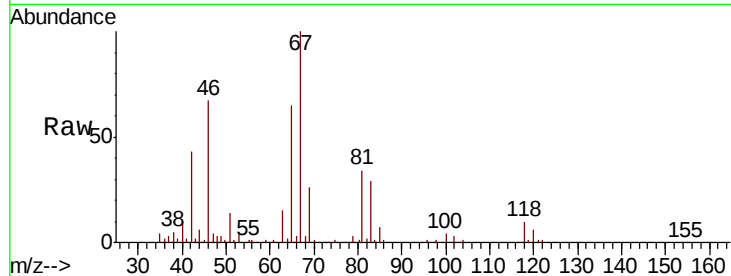




#35
Methvlcvclohexane
Concen: 0.791 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV017358.D
Acq: 06 Jul 2020 18:04

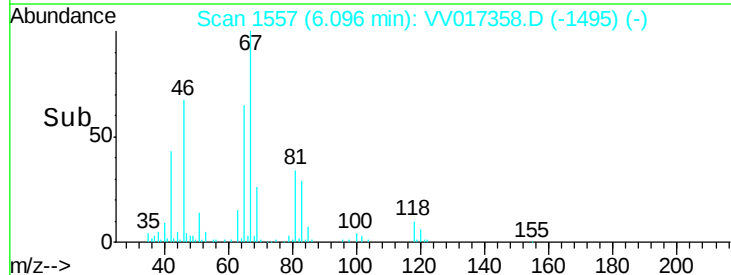
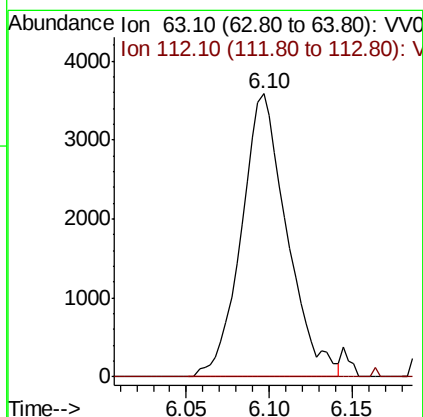
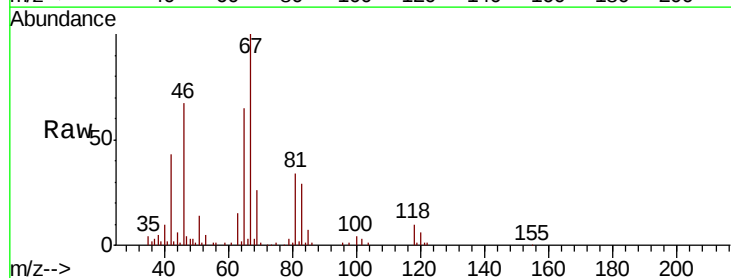
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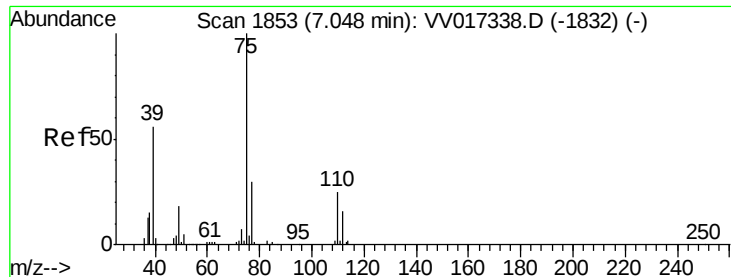
Tot Ion: 83 Resp: 14843
Ion Ratio Lower Upper
83 100
55 2.0 63.6 95.4#
98 0.0 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.670 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV017358.D
Acq: 06 Jul 2020 18:04

Tgt Ion: 63 Resp: 6834
Ion Ratio Lower Upper
63 100
112 0.3 4.4 6.6#

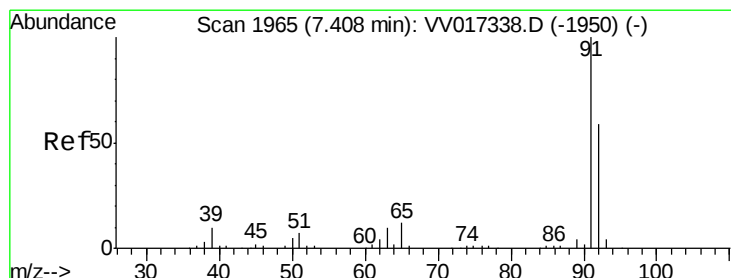
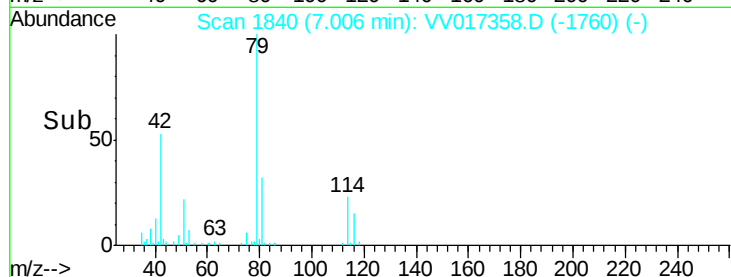
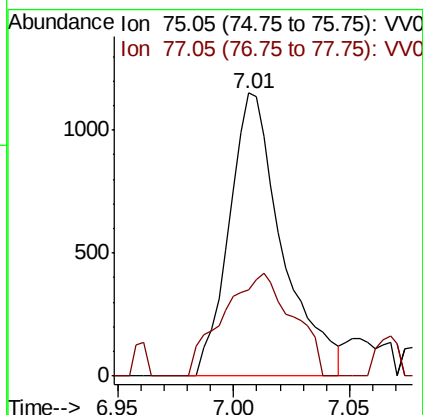
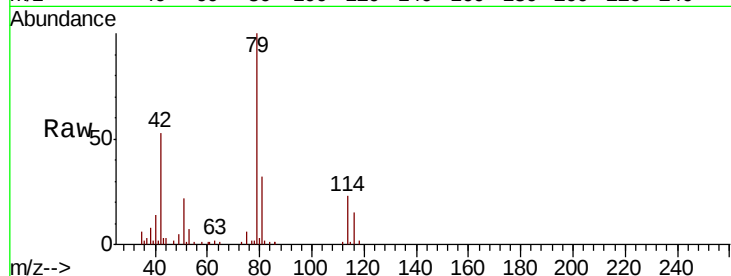




#39
 cis-1,3-Dichloropropene
 Concen: 0.121 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV017358.D
 Acq: 06 Jul 2020 18:04

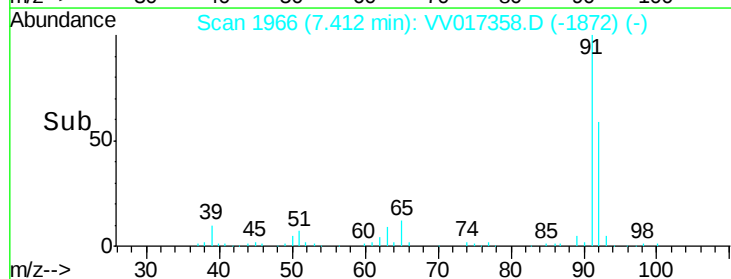
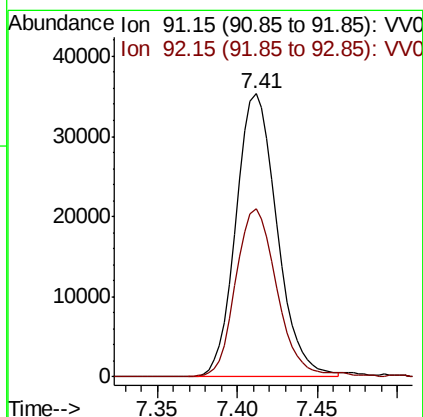
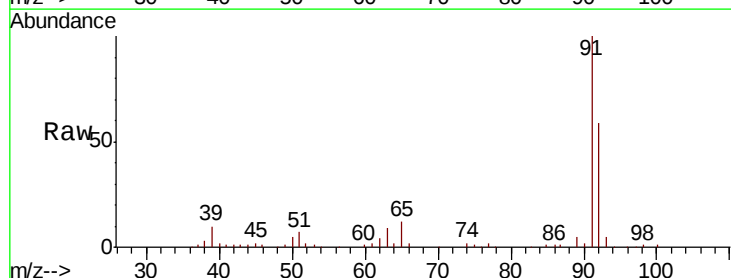
Instrument :
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 ClientSampled :
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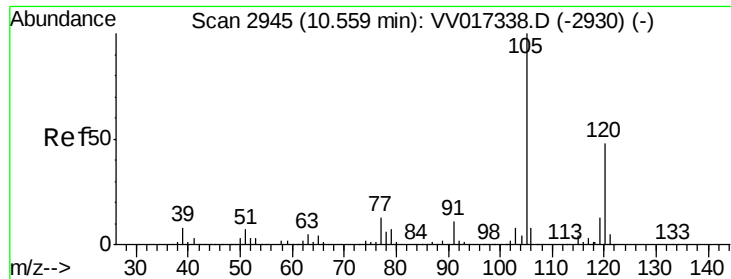
Tot Ion: 75 Resp: 1828
 Ion Ratio Lower Upper
 75 100
 77 30.4 22.3 41.5



#42
 Toluene
 Concen: 1.289 ug/L
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: VV017358.D
 Acq: 06 Jul 2020 18:04

Tgt Ion: 91 Resp: 61762
 Ion Ratio Lower Upper
 91 100
 92 59.2 39.9 74.1

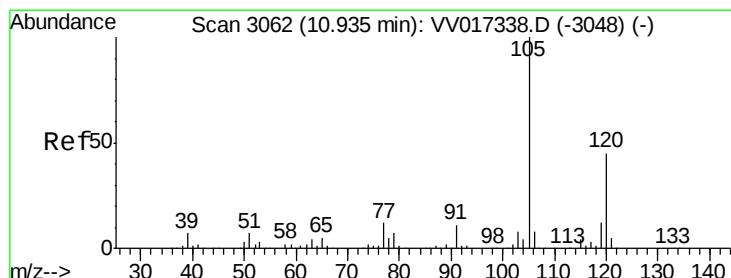
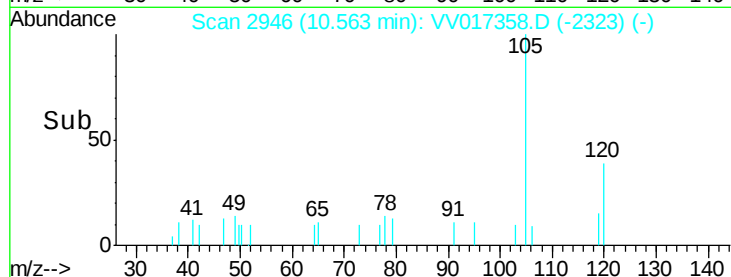
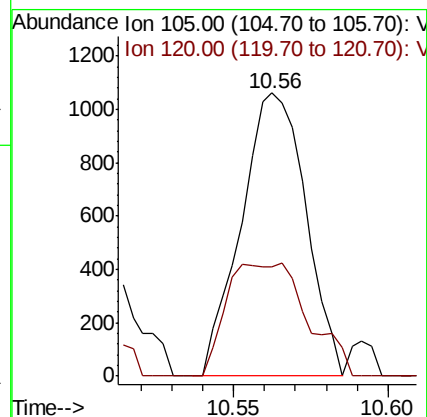
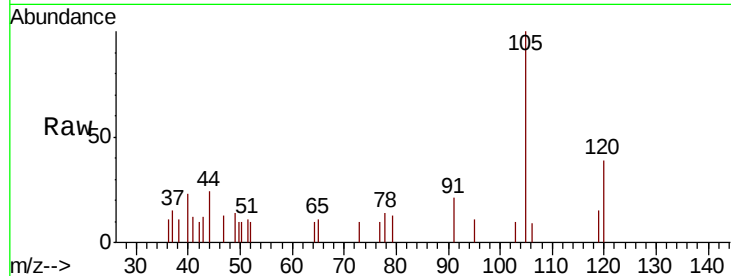




#43
 1,3,5-Trimethylbenzene
 Concen: 0.036 ug/L
 RT: 10.56 min Scan# 2946
 Delta R.T. 0.00 min
 Lab File: VV017358.D
 Acq: 06 Jul 2020 18:04

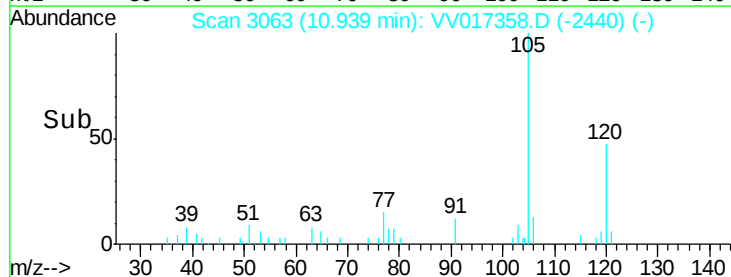
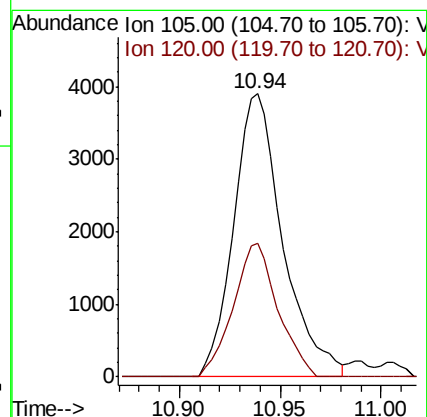
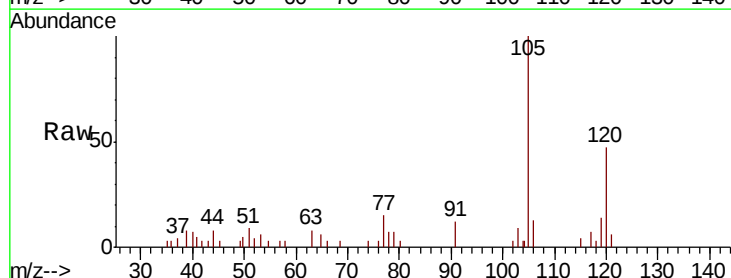
Instrument :
 MSVOA_V
 ClientSampled :
 C0AK0

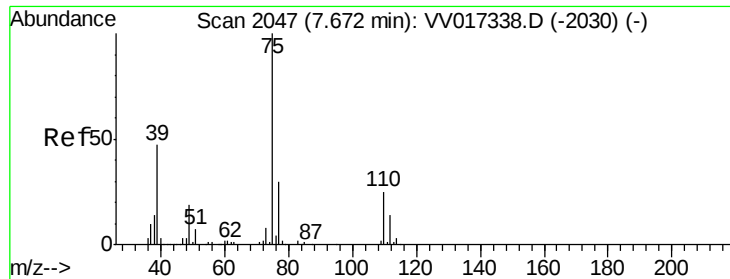
Tot Ion:105 Resp: 1544
 Ion Ratio Lower Upper
 105 100
 120 49.9 38.6 57.8



#44
 1,2,4-Trimethylbenzene
 Concen: 0.152 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV017358.D
 Acq: 06 Jul 2020 18:04

Tgt Ion:105 Resp: 6648
 Ion Ratio Lower Upper
 105 100
 120 42.7 35.8 53.8

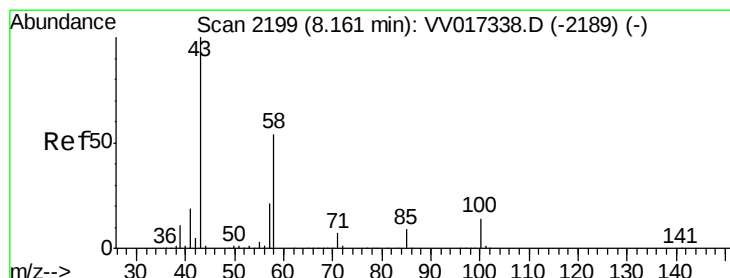
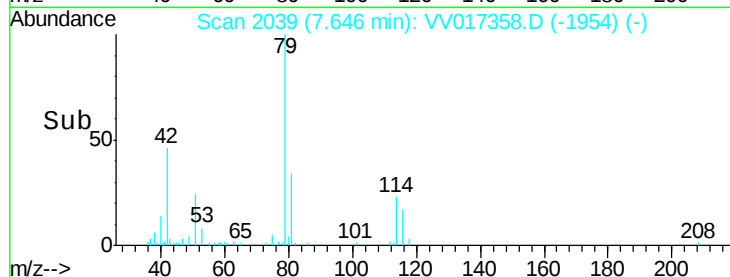
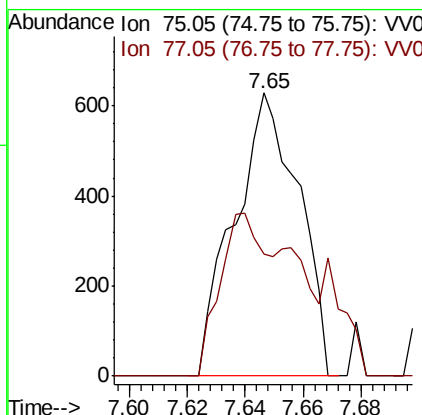
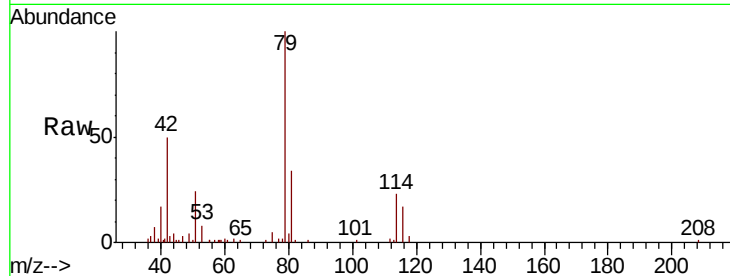




#46
trans-1,3-Dichloropropene
Concen: 0.074 ug/L
RT: 7.65 min Scan# 2039
Delta R.T. -0.03 min
Lab File: VV017358.D
Acq: 06 Jul 2020 18:04

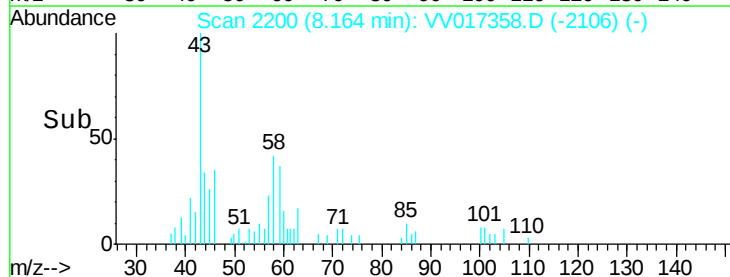
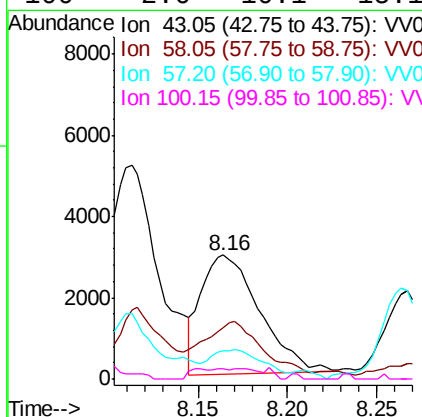
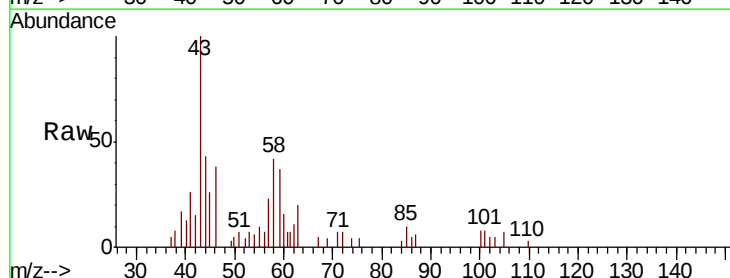
Instrument :
MSVOA_V
ClientSampleId :
C0AK0

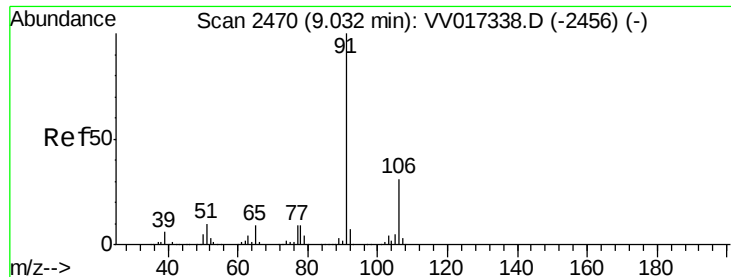
Tot Ion: 75 Resp: 969
Ion Ratio Lower Upper
75 100
77 43.0 22.3 41.3#



#50
2-Hexanone
Concen: 1.607 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV017358.D
Acq: 06 Jul 2020 18:04

Tgt Ion: 43 Resp: 6734
Ion Ratio Lower Upper
43 100
58 51.1 41.6 62.4
57 21.4 15.4 23.0
100 2.6 10.1 15.1#

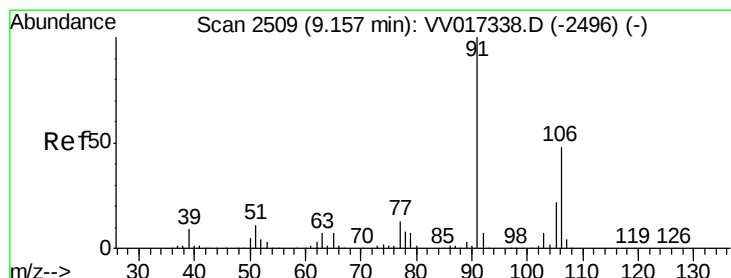
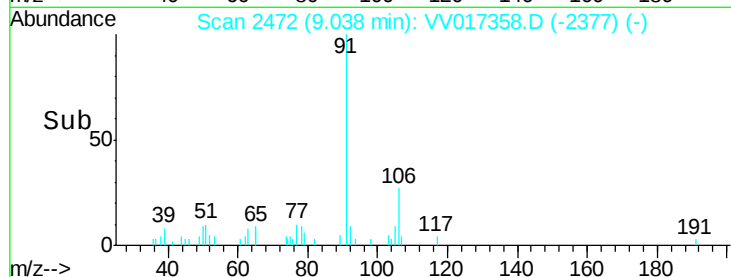
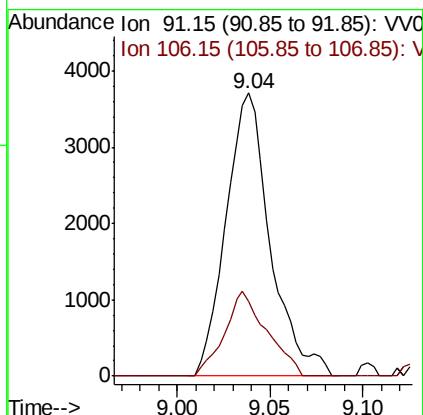
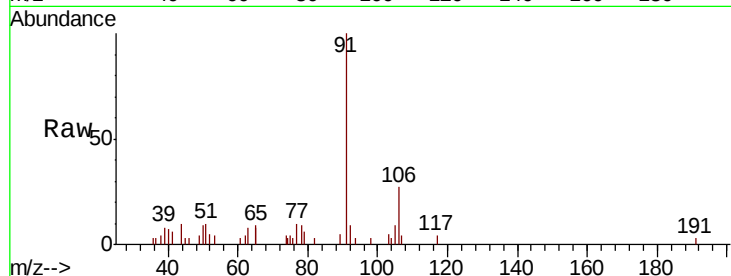




#54
Ethylbenzene
Concen: 0.120 ug/L
RT: 9.04 min Scan# 2472
Delta R.T. 0.01 min
Lab File: VV017358.D
Acq: 06 Jul 2020 18:04

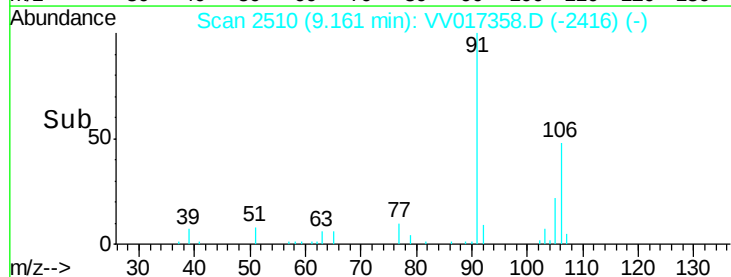
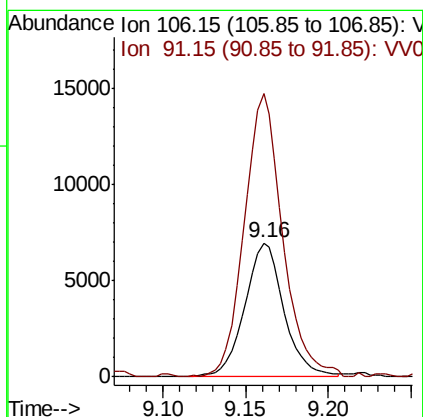
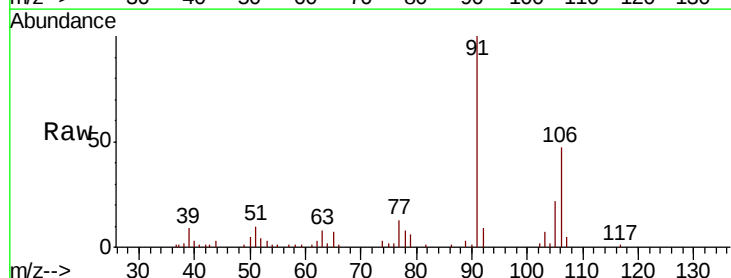
Instrument :
MSVOA_V
ClientSampleId :
C0AK0

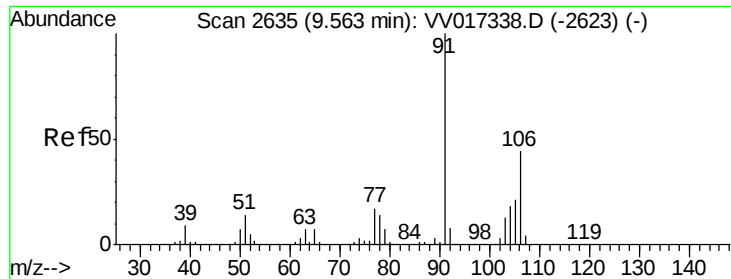
Tot Ion: 91 Resp: 6134
Ion Ratio Lower Upper
91 100
106 26.6 21.1 39.1



#55
m,p-xylene
Concen: 0.571 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV017358.D
Acq: 06 Jul 2020 18:04

Tgt Ion: 106 Resp: 11443
Ion Ratio Lower Upper
106 100
91 211.7 142.7 264.9

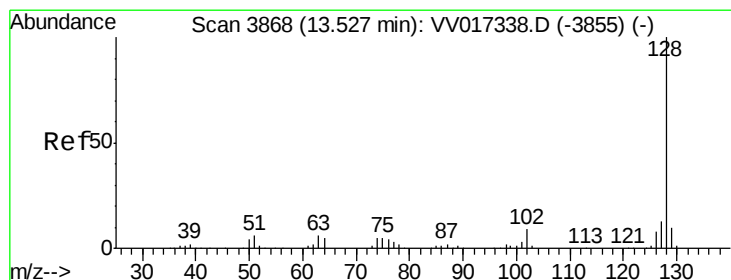
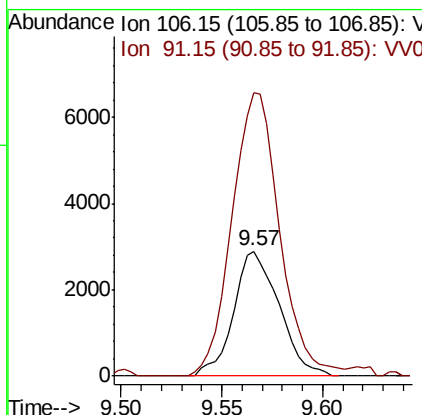
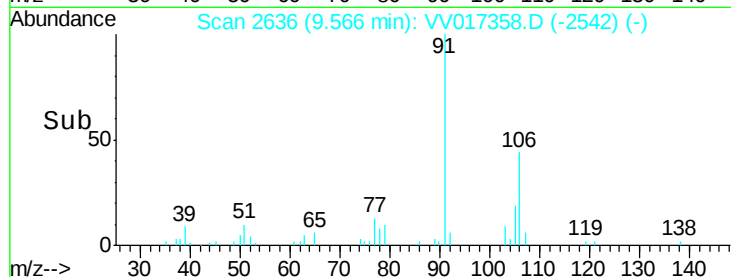
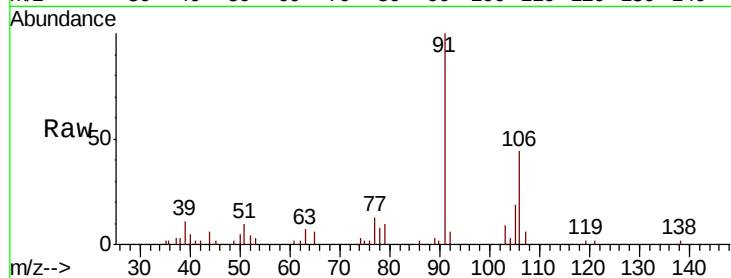




#56
o-xylene
Concen: 0.244 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV017358.D
Acq: 06 Jul 2020 18:04

Instrument :
MSVOA_V
ClientSampleId :
C0AK0

Tot Ion:106 Resp: 4564
Ion Ratio Lower Upper
106 100
91 226.5 153.6 285.2



#70
Naphthalene
Concen: 0.084 ug/L
RT: 13.53 min Scan# 3870
Delta R.T. 0.01 min
Lab File: VV017358.D
Acq: 06 Jul 2020 18:04

Tgt Ion:128 Resp: 1879
Ion Ratio Lower Upper
128 100
129 17.0 8.8 13.2#
127 6.2 10.5 15.7#

