

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071520\
 Data File : VV071506.D
 Acq On : 15 Jul 2020 12:55
 Operator : SY/MD
 Sample : L3281-20
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAXY0

Quant Time: Jul 16 01:32:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 16 01:29:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	143638	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	139993	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	75083	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37553	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.58	69	34130	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.13	63	71329	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	3.92	46	90066	52.53	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.06%
24) Chloroform-d	4.38	84	81897	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.06	65	50447	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.08	84	152073	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.10	67	42551	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.34	98	142447	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
45) trans-1,3-Dichloropropene-	7.65	79	19865	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
48) 2-Hexanone-d5	8.11	63	67499	51.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.86%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	32536	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	65673	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	1183	0.102 ug/L #	26
12) 1,1-Dichloroethene	2.14	96	810	0.094 ug/L #	1
13) Acetone	2.20	43	13759	11.054 ug/L	69
14) Carbon disulfide	2.32	76	12165	0.455 ug/L	99
16) Methylene chloride	2.53	84	2220	0.213 ug/L #	88
18) trans-1,2-Dichloroethene	2.78	96	2520	0.272 ug/L	80
21) 2-Butanone	4.04	43	1620	0.842 ug/L #	78
22) cis-1,2-Dichloroethene	3.94	96	293830	29.249 ug/L	99
25) Chloroform	4.42	83	6287	0.325 ug/L	97
30) Cyclohexane	4.70	56	10099	0.670 ug/L	90
33) Benzene	5.13	78	6147	0.165 ug/L	100
35) Methylcyclohexane	6.15	83	19848	1.186 ug/L	90
39) cis-1,3-Dichloropropene	7.01	75	1943	0.140 ug/L #	72
42) Toluene	7.41	91	15806	0.384 ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	50655	1.241 ug/L	97
44) 1,2,4-Trimethylbenzene	10.94	105	188408	4.633 ug/L	100
46) trans-1,3-Dichloropropene	7.65	75	1109	0.091 ug/L #	48

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071520\
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Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAXY0

Quant Time: Jul 16 01:32:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 16 01:29:31 2020
Response via : Initial Calibration

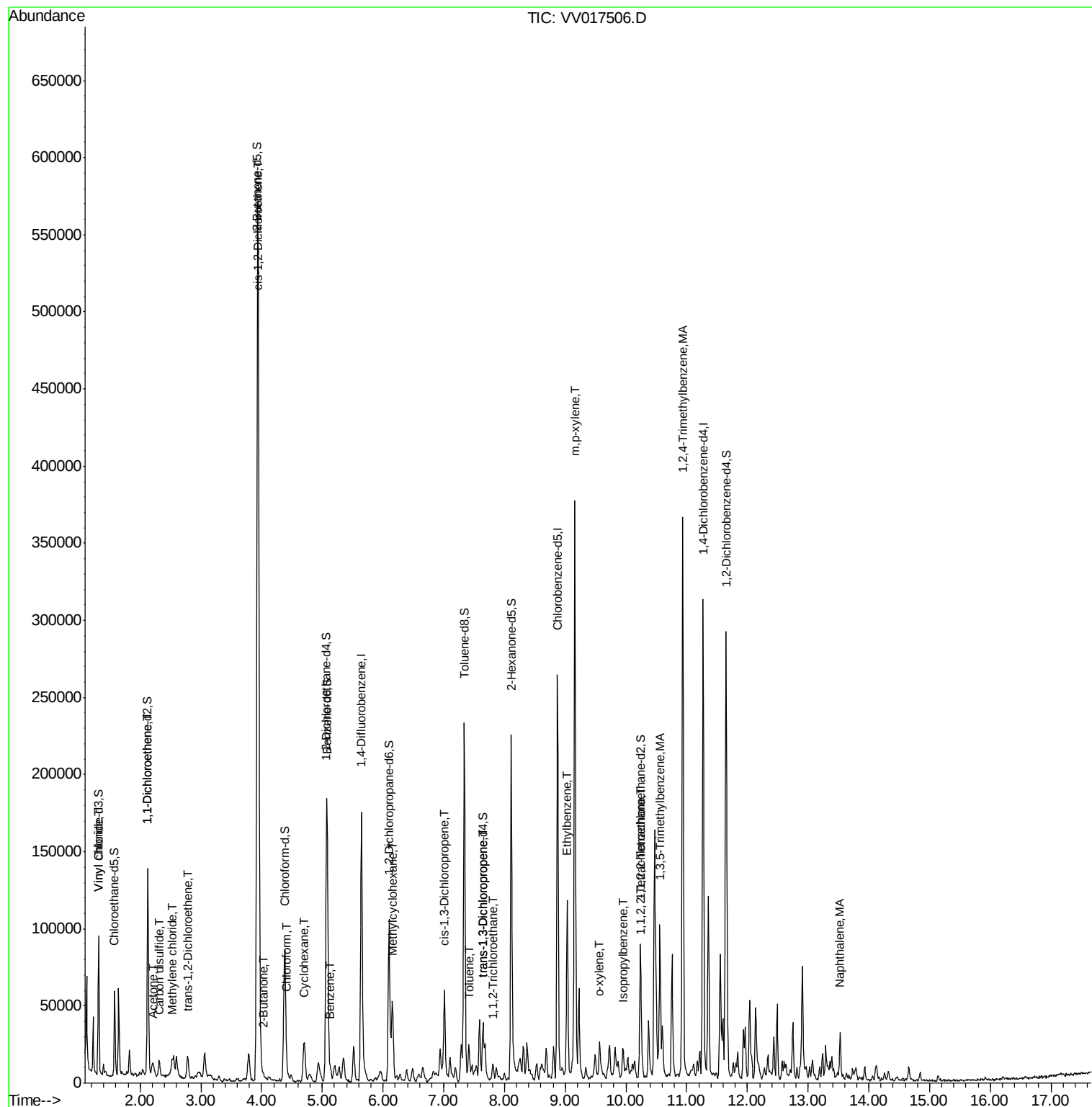
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	7.81	97	3516	0.546	ug/L #	19
54) Ethylbenzene	9.04	91	74922	1.592	ug/L	97
55) m,p-xylene	9.16	106	96791	5.437	ug/L	99
56) o-xylene	9.57	106	5754	0.334	ug/L	100
58) Isopropylbenzene	9.96	105	9728	0.200	ug/L #	94
60) 1,1,2,2-Tetrachloroethane	10.26	83	1156	0.178	ug/L #	39
70) Naphthalene	13.53	128	24034	1.095	ug/L	98

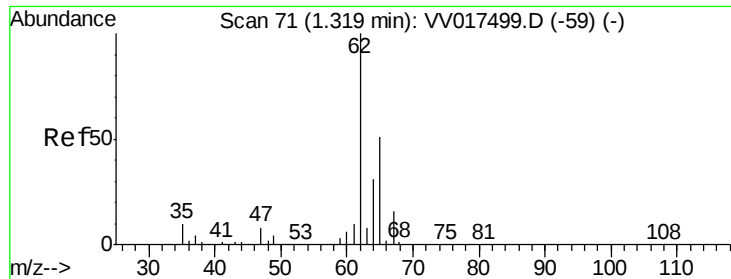
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071520\
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.102 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017506.D

Acq: 15 Jul 2020 12:55

Instrument :

MSVOA_V

ClientSampled :

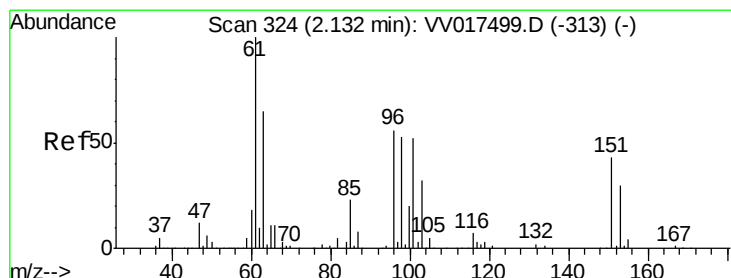
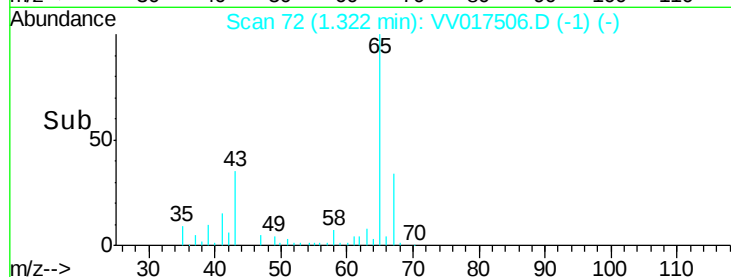
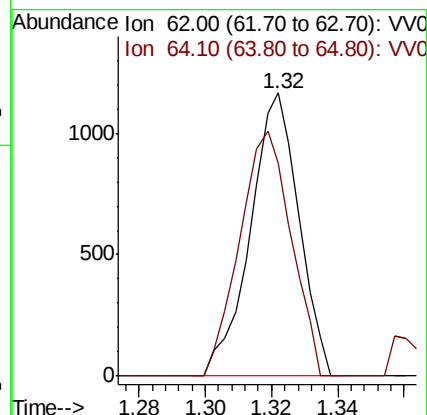
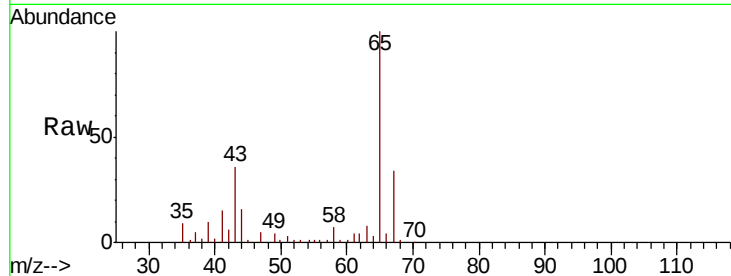
GAXY0

Tot Ion: 62 Resp: 1183

Ion Ratio Lower Upper

62 100

64 75.0 23.2 43.2#



#12

1,1-Dichloroethene

Concen: 0.094 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017506.D

Acq: 15 Jul 2020 12:55

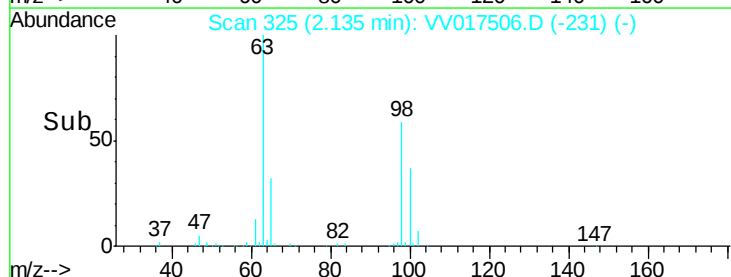
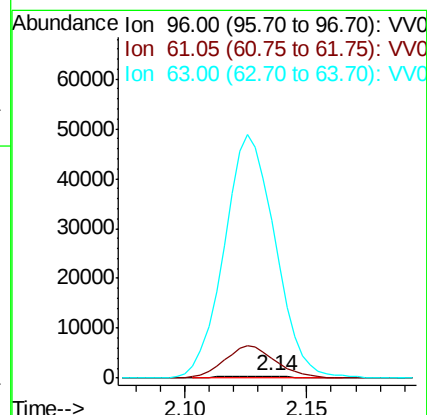
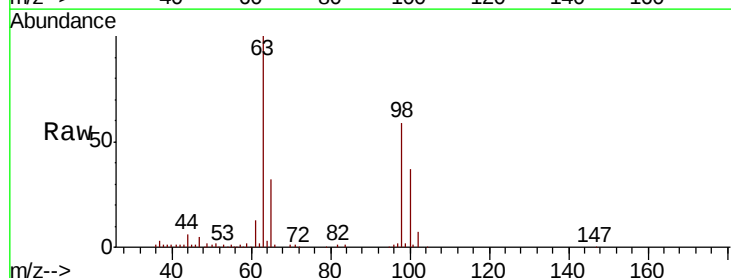
Tgt Ion: 96 Resp: 810

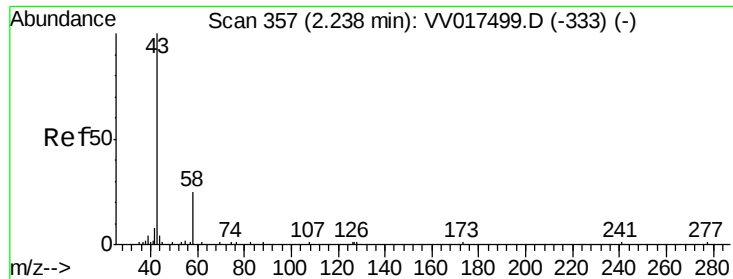
Ion Ratio Lower Upper

96 100

61 926.5 137.2 254.8#

63 7247.6 103.6 192.4#





#13

Acetone

Concen: 11.054 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.04 min

Lab File: VV017506.D

Acq: 15 Jul 2020 12:55

Instrument :

MSVOA_V

ClientSampleId :

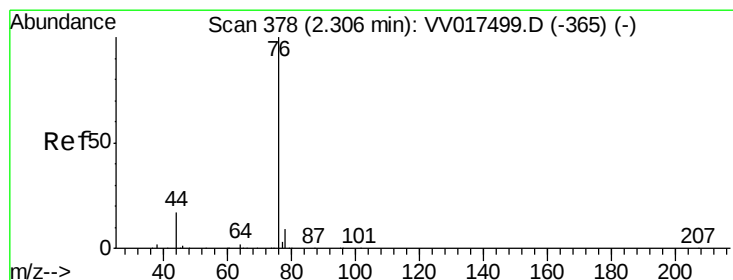
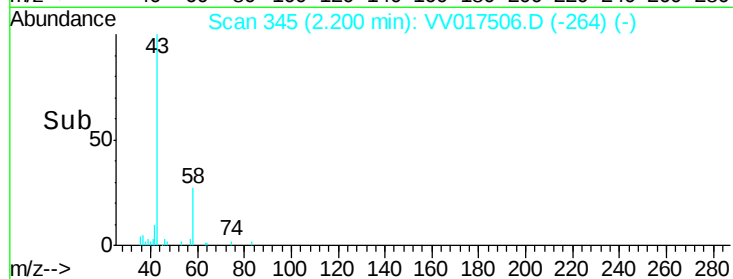
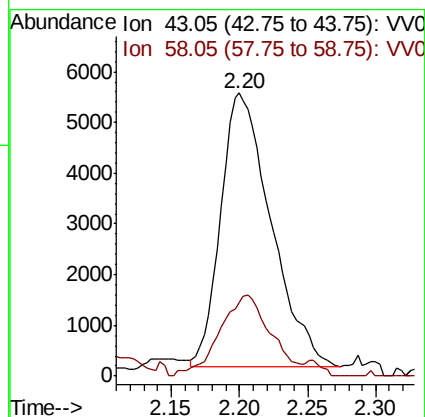
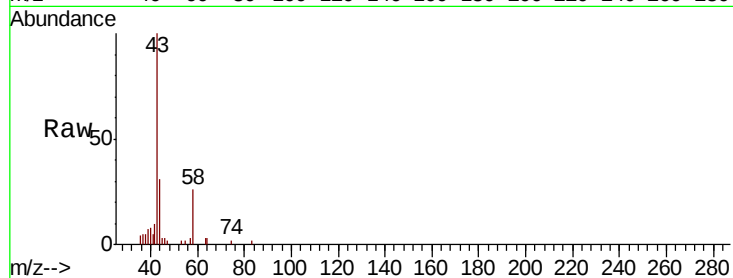
GAXY0

Tot Ion: 43 Resp: 13759

Ion Ratio Lower Upper

43 100

58 30.1 0.0 33.6



#14

Carbon disulfide

Concen: 0.455 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV017506.D

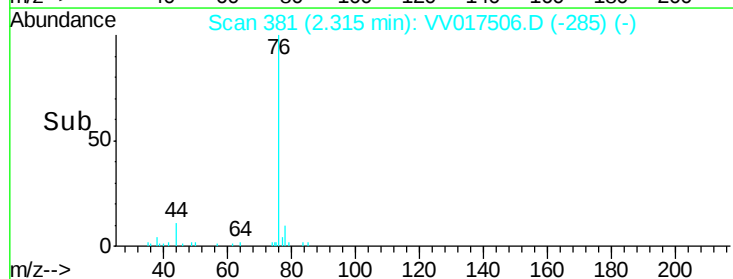
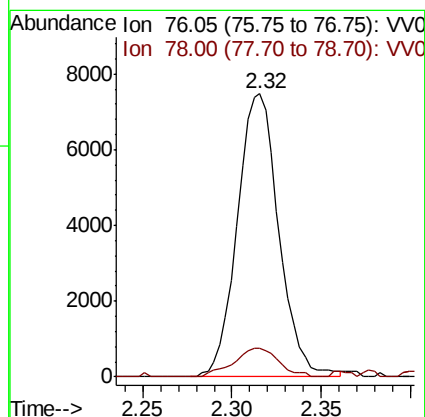
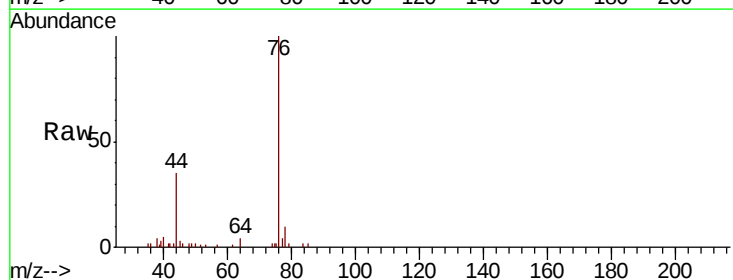
Acq: 15 Jul 2020 12:55

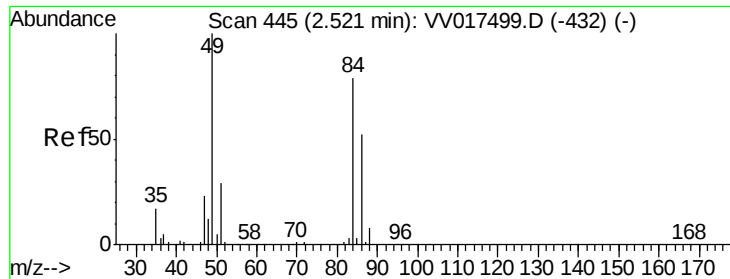
Tgt Ion: 76 Resp: 12165

Ion Ratio Lower Upper

76 100

78 9.9 7.5 11.3

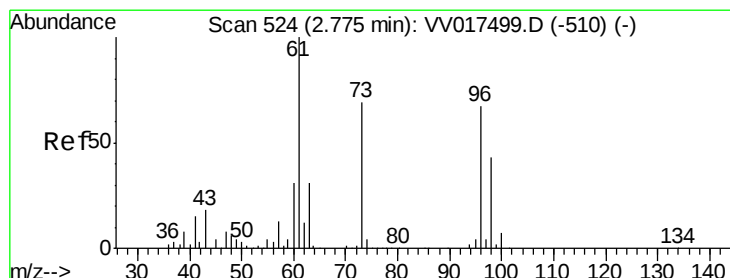
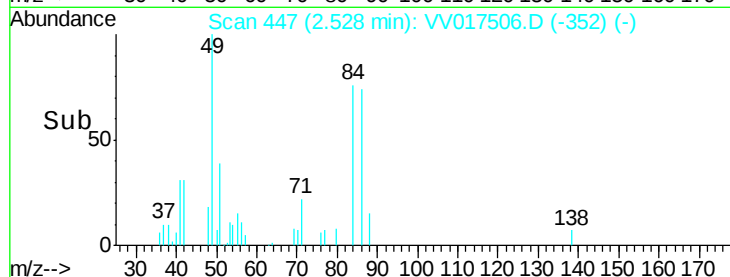
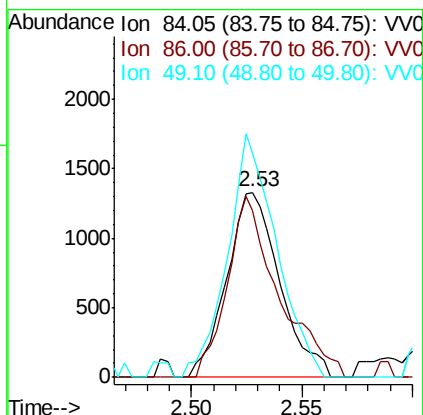
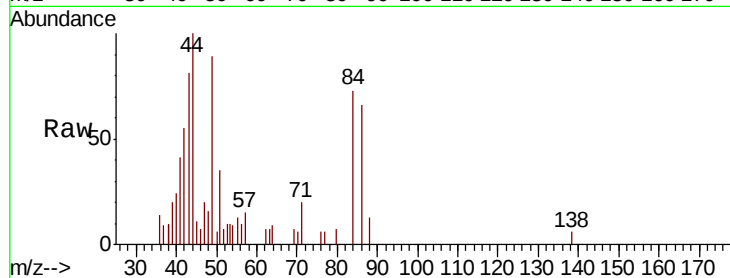




#16
Methvlene chloride
Concen: 0.213 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.01 min
Lab File: VV017506.D
Acq: 15 Jul 2020 12:55

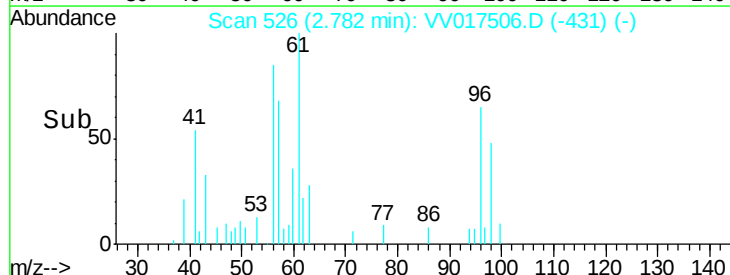
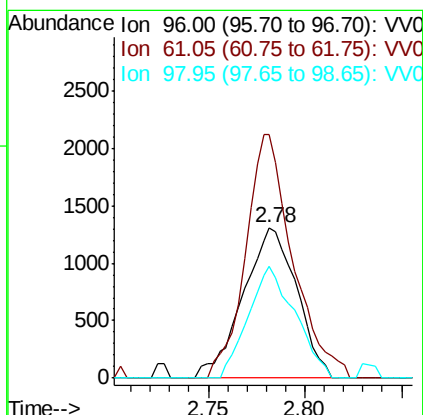
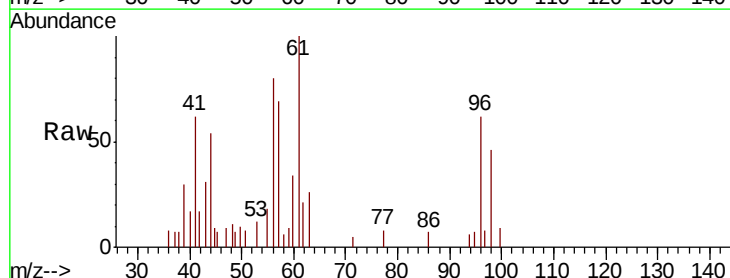
Instrument :
MSVOA_V
ClientSampleId :
GAXY0

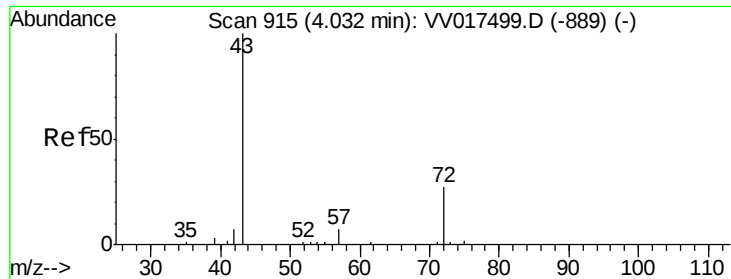
Tot Ion: 84 Resp: 2220
Ion Ratio Lower Upper
84 100
86 90.1 45.5 84.5#
49 121.5 84.6 157.0



#18
trans-1,2-Dichloroethene
Concen: 0.272 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.01 min
Lab File: VV017506.D
Acq: 15 Jul 2020 12:55

Tgt Ion: 96 Resp: 2520
Ion Ratio Lower Upper
96 100
61 162.0 95.1 176.7
98 73.9 43.5 80.7





#21

2-Butanone

Concen: 0.842 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.00 min

Lab File: VV017506.D

Acq: 15 Jul 2020 12:55

Instrument :

MSVOA_V

ClientSampleId :

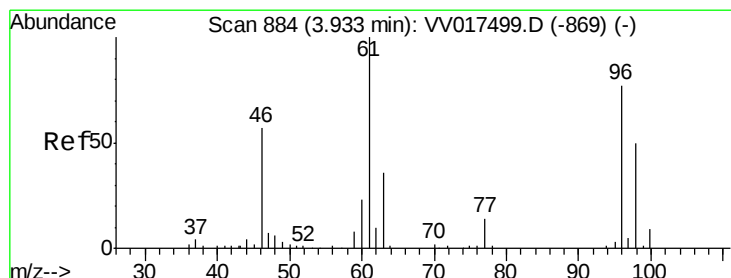
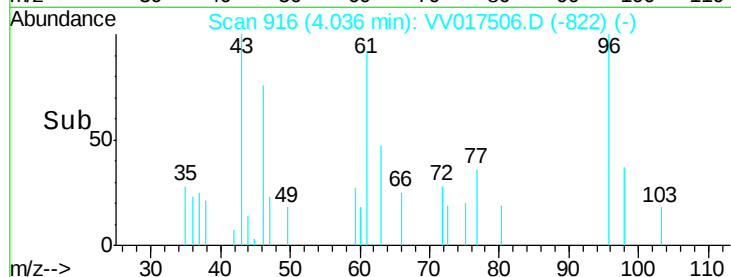
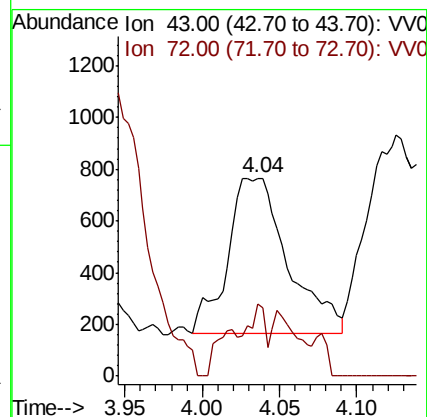
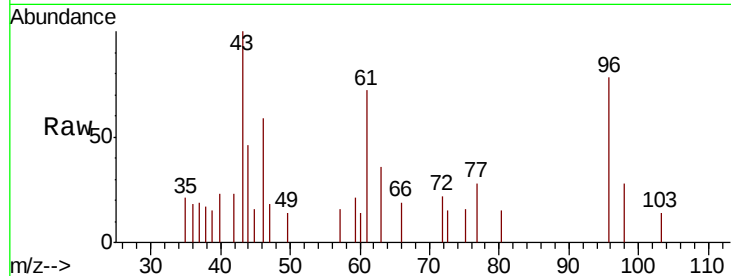
GAXY0

Tot Ion: 43 Resp: 1620

Ion Ratio Lower Upper

43 100

72 14.1 3.4 10.1#



#22

cis-1,2-Dichloroethene

Concen: 29.249 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV017506.D

Acq: 15 Jul 2020 12:55

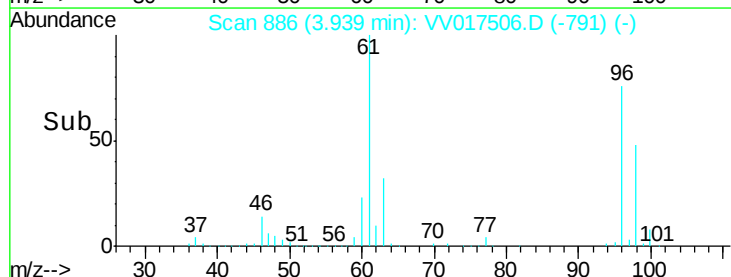
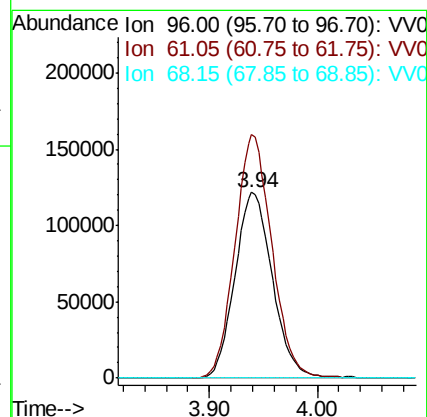
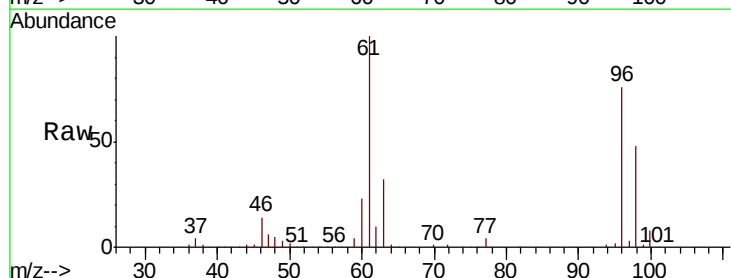
Tgt Ion: 96 Resp: 293830

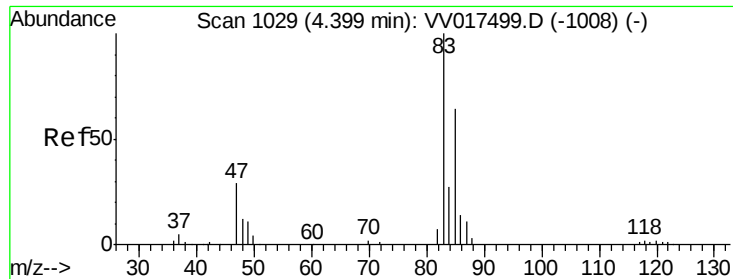
Ion Ratio Lower Upper

96 100

61 131.3 91.5 169.9

68 0.0 0.0 0.0

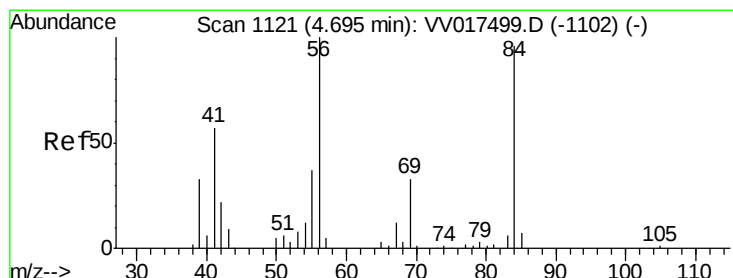
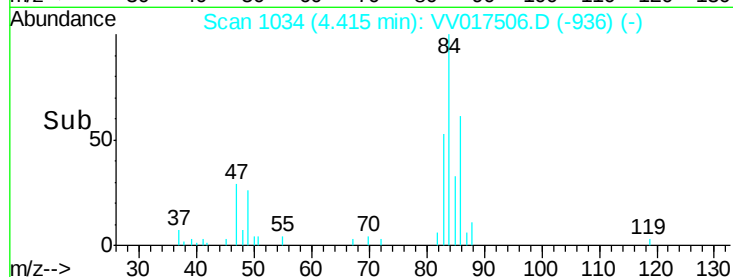
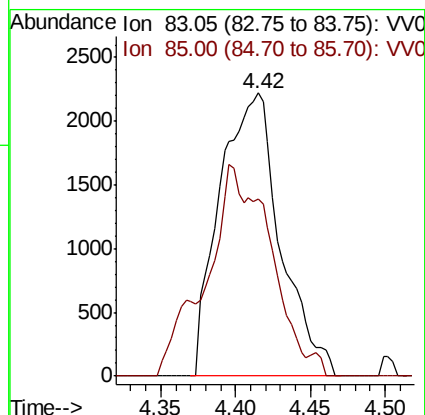
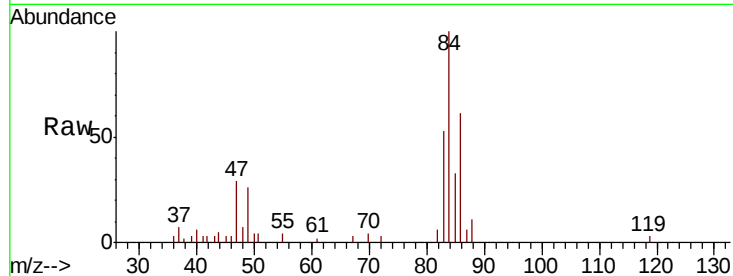




#25
Chloroform
Concen: 0.325 ug/L
RT: 4.42 min Scan# 1034
Delta R.T. 0.02 min
Lab File: VV017506.D
Acq: 15 Jul 2020 12:55

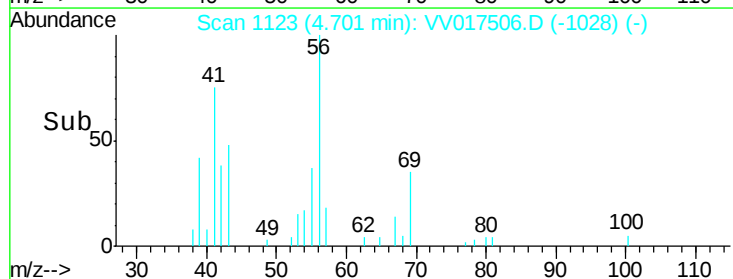
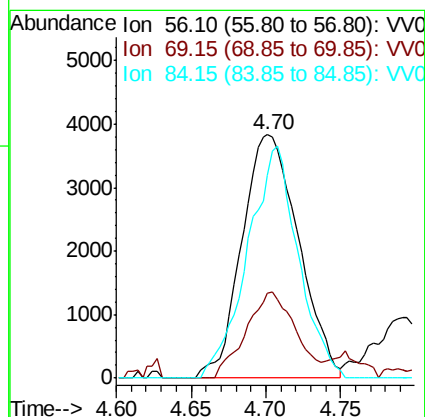
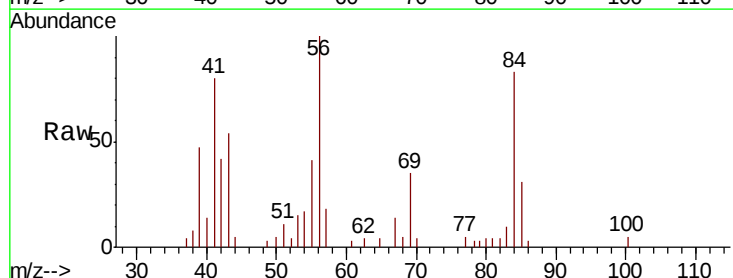
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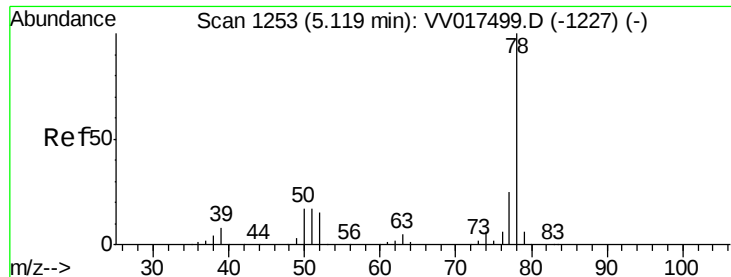
Tot Ion: 83 Resp: 6287
Ion Ratio Lower Upper
83 100
85 62.4 45.4 84.4



#30
Cyclohexane
Concen: 0.670 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VV017506.D
Acq: 15 Jul 2020 12:55

Tgt Ion: 56 Resp: 10099
Ion Ratio Lower Upper
56 100
69 30.8 26.0 39.0
84 85.1 77.9 116.9

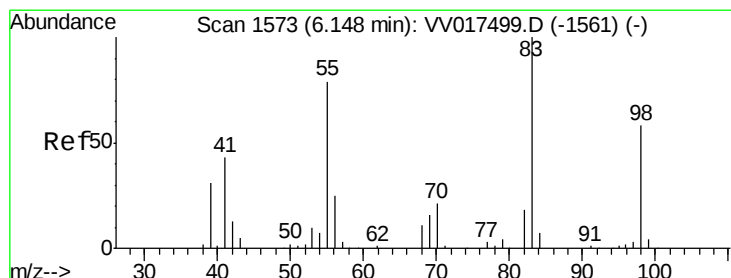
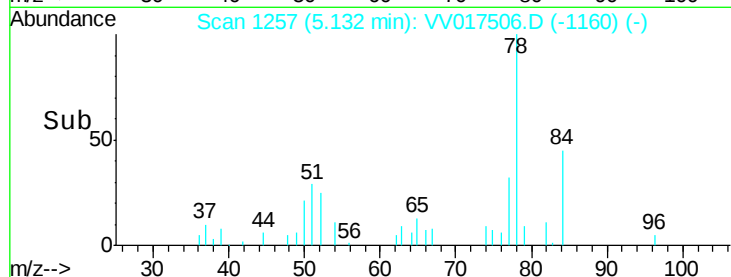
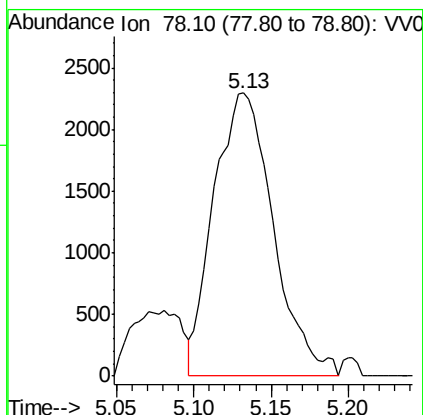
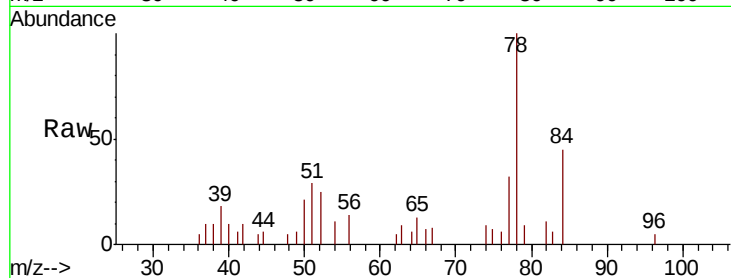




#33
Benzene
Concen: 0.165 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VV017506.D
Acq: 15 Jul 2020 12:55

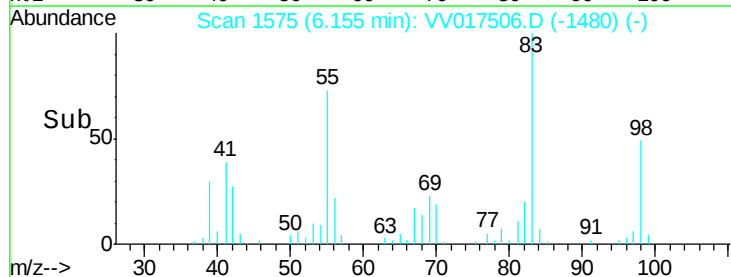
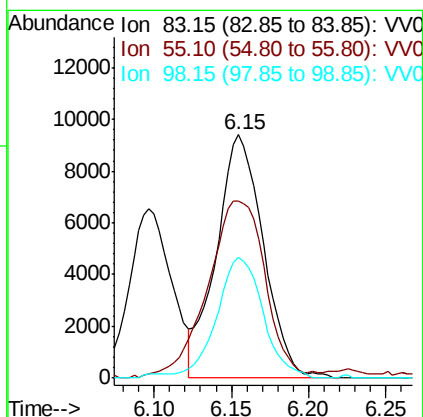
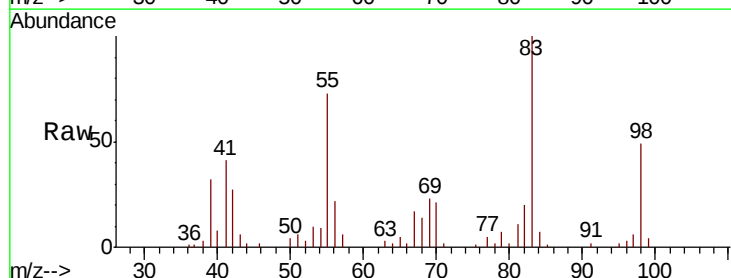
Instrument :
MSVOA_V
ClientSampled :
GAXY0

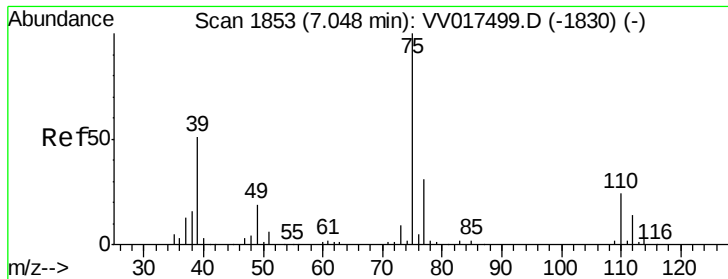
Tgt Ion: 78 Resp: 6147



#35
Methylcyclohexane
Concen: 1.186 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VV017506.D
Acq: 15 Jul 2020 12:55

Tgt Ion: 83 Resp: 19848
Ion Ratio Lower Upper
83 100
55 89.5 62.0 93.0
98 49.0 41.4 62.2



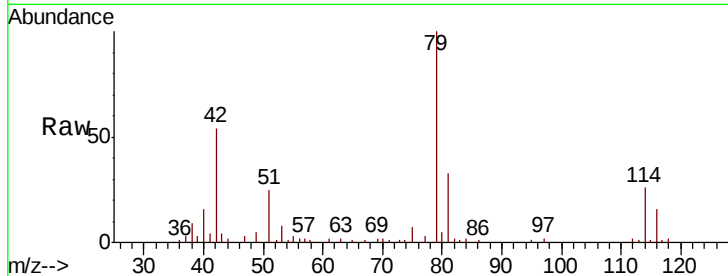


#39

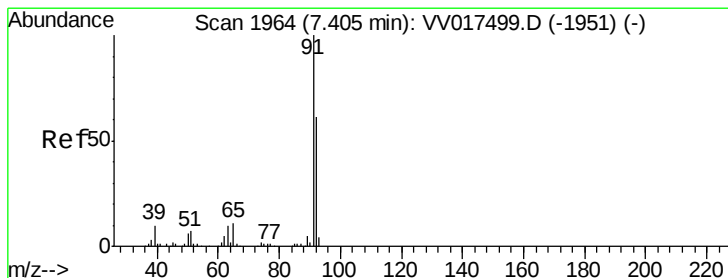
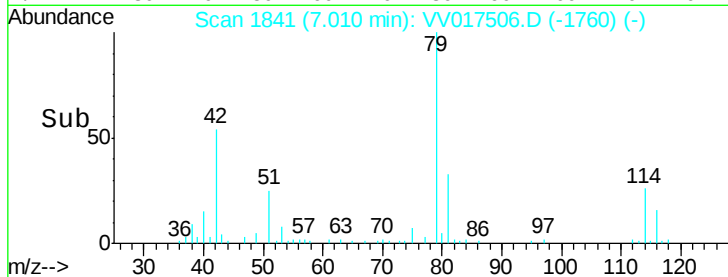
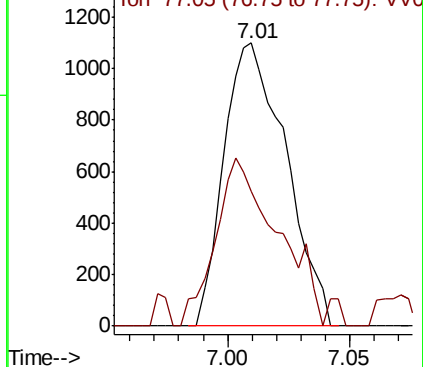
cis-1,3-Dichloropropene
Concen: 0.140 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV017506.D
Acq: 15 Jul 2020 12:55

Instrument :
MSVOA_V
ClientSampleId :
GAXY0

Tot Ion: 75 Resp: 1943
Ion Ratio Lower Upper
75 100
77 47.5 22.3 41.5#



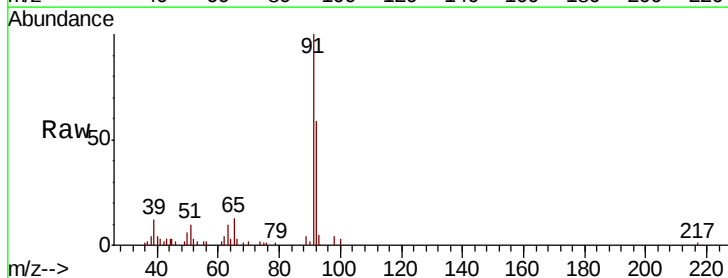
Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0



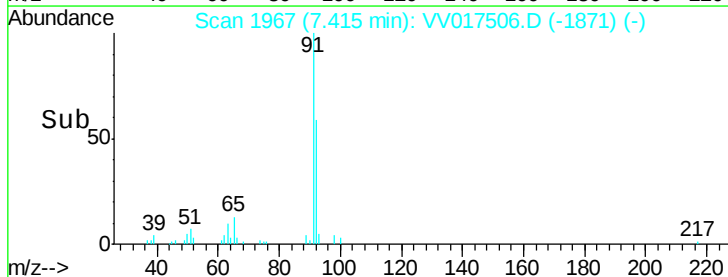
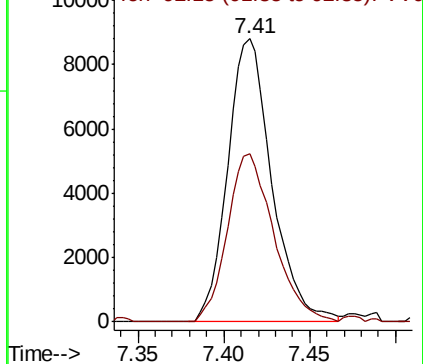
#42

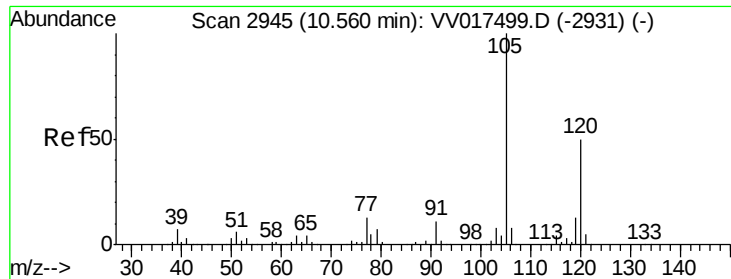
Toluene
Concen: 0.384 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV017506.D
Acq: 15 Jul 2020 12:55

Tgt Ion: 91 Resp: 15806
Ion Ratio Lower Upper
91 100
92 59.4 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0

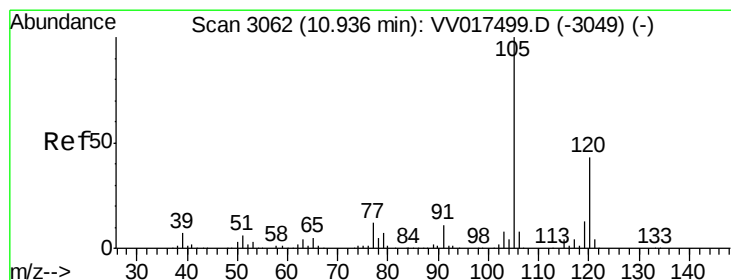
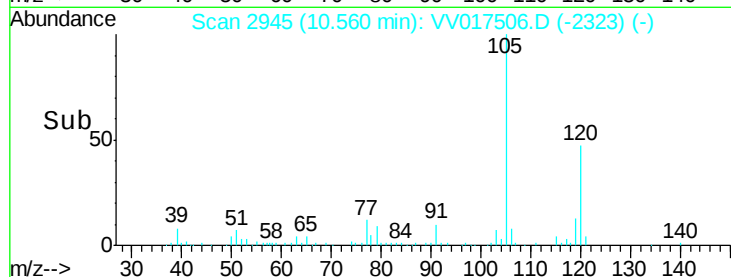
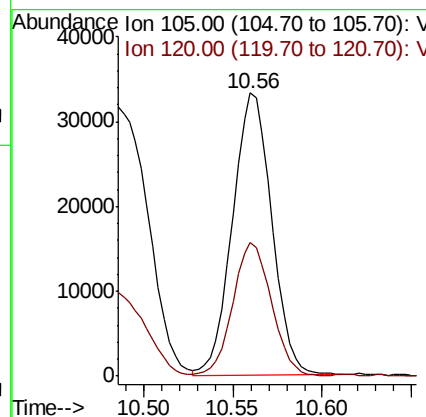
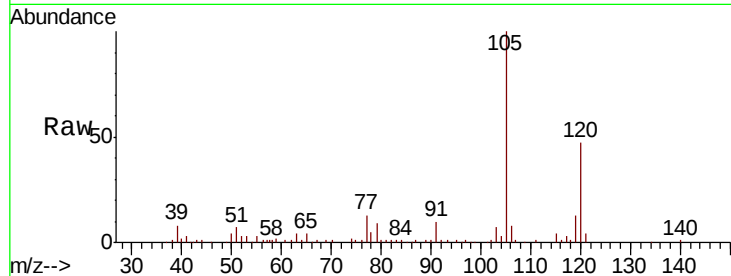




#43
 1,3,5-Trimethylbenzene
 Concen: 1.241 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VV017506.D
 Acq: 15 Jul 2020 12:55

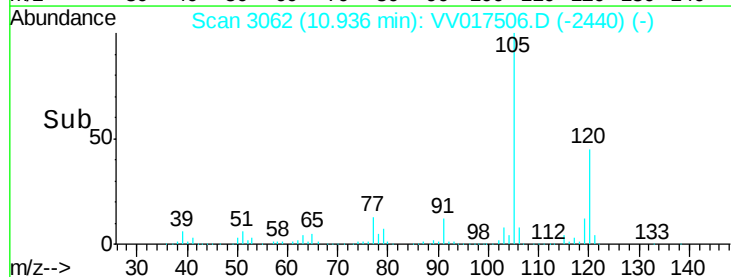
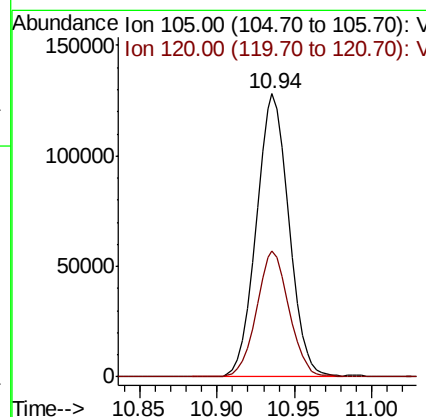
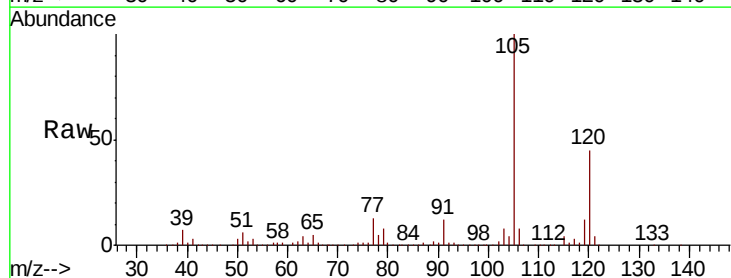
Instrument :
 MSVOA_V
 ClientSampleId :
 GAXY0

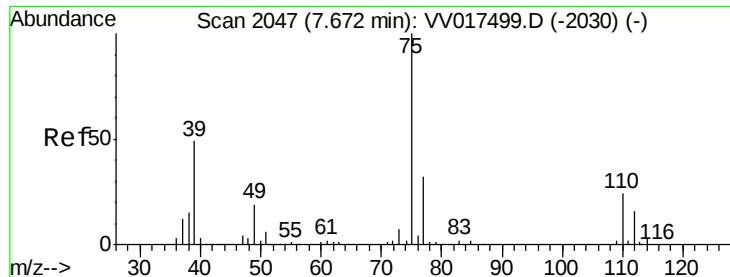
Tot Ion:105 Resp: 50655
 Ion Ratio Lower Upper
 105 100
 120 46.2 38.6 58.0



#44
 1,2,4-Trimethylbenzene
 Concen: 4.633 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV017506.D
 Acq: 15 Jul 2020 12:55

Tgt Ion:105 Resp: 188408
 Ion Ratio Lower Upper
 105 100
 120 44.5 35.6 53.4





#46

trans-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV017506.D

Acq: 15 Jul 2020 12:55

Instrument :

MSVOA_V

ClientSampleId :

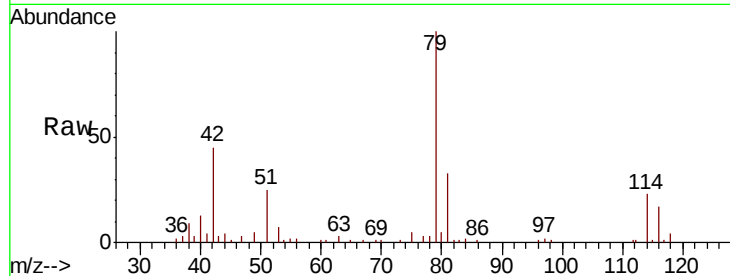
GAXY0

Tot Ion: 75 Resp: 1109

Ion Ratio Lower Upper

75 100

77 58.4 21.2 39.4#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.65

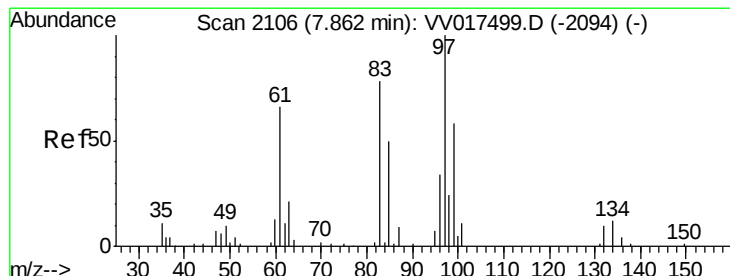
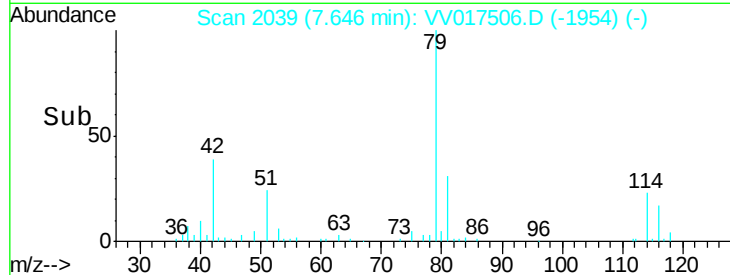
600

400

200

0

Time-->



#47

1,1,2-Trichloroethane

Concen: 0.546 ug/L

RT: 7.81 min Scan# 2089

Delta R.T. -0.05 min

Lab File: VV017506.D

Acq: 15 Jul 2020 12:55

Tgt Ion: 97 Resp: 3516

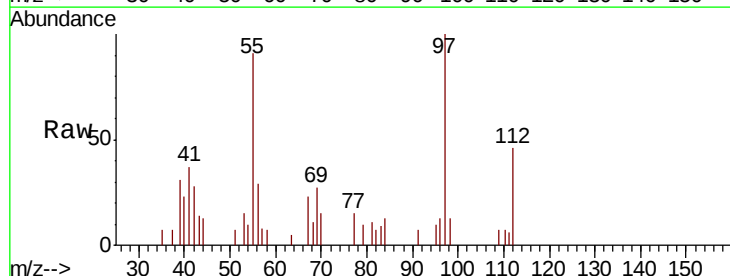
Ion Ratio Lower Upper

97 100

99 0.0 44.0 81.6#

83 9.0 57.7 107.3#

85 0.0 41.9 77.9#



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

2500

2000

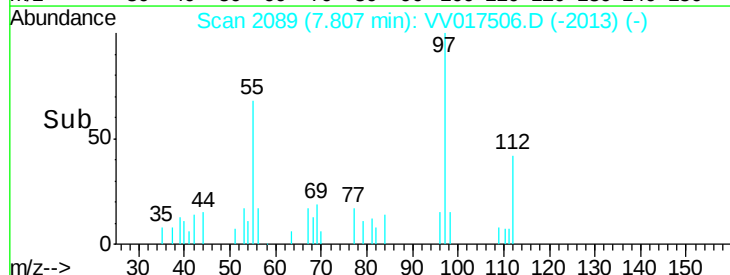
1500

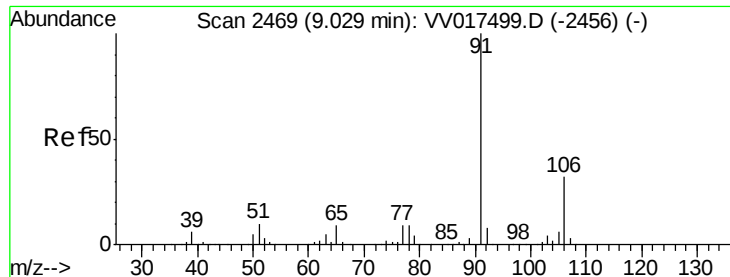
1000

500

0

Time-->

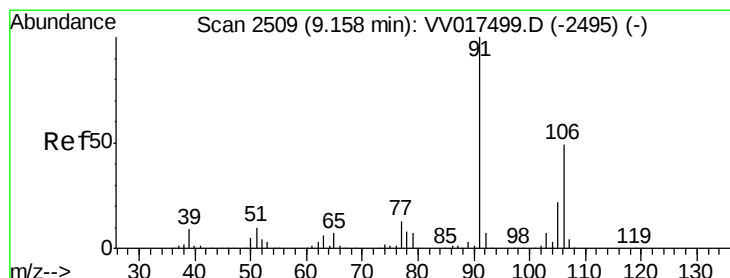
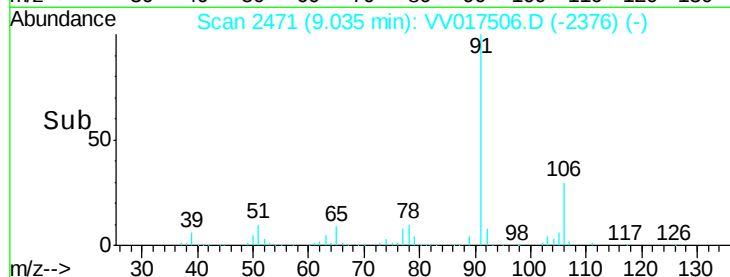
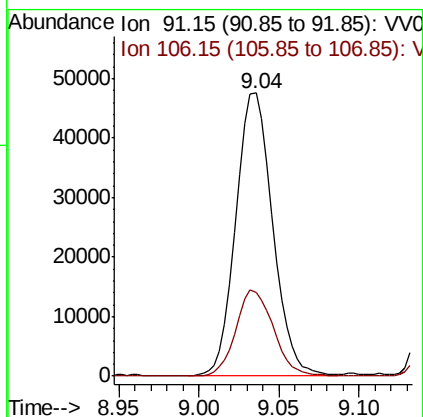
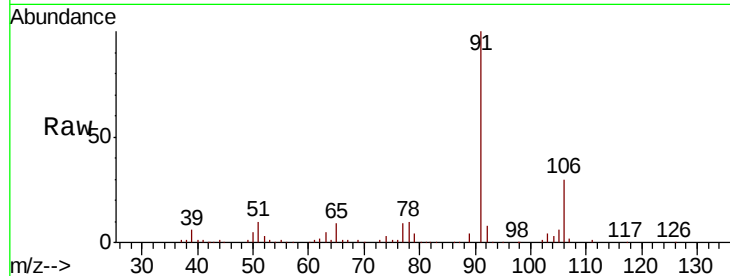




#54
Ethylbenzene
Concen: 1.592 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.01 min
Lab File: VV017506.D
Acq: 15 Jul 2020 12:55

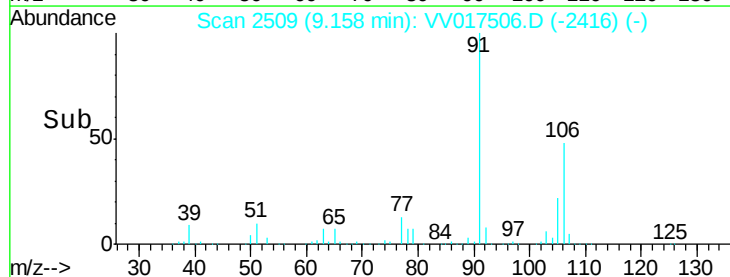
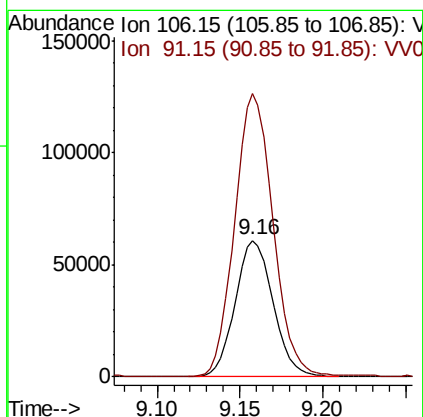
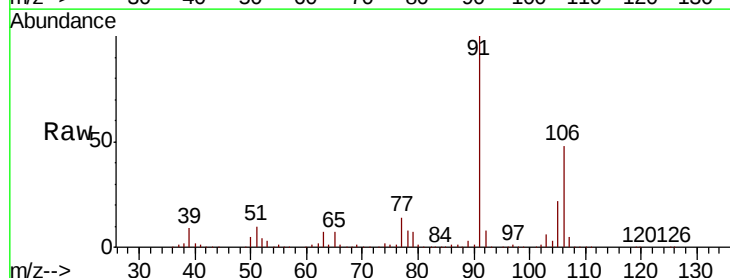
Instrument :
MSVOA_V
ClientSampled :
GAXY0

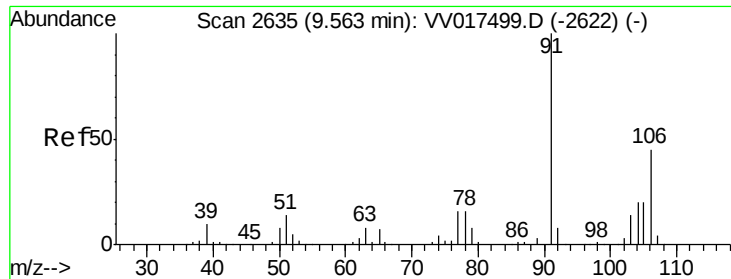
Tot Ion: 91 Resp: 74922
Ion Ratio Lower Upper
91 100
106 29.7 21.9 40.7



#55
m,p-xylene
Concen: 5.437 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV017506.D
Acq: 15 Jul 2020 12:55

Tgt Ion: 106 Resp: 96791
Ion Ratio Lower Upper
106 100
91 206.9 144.2 267.8

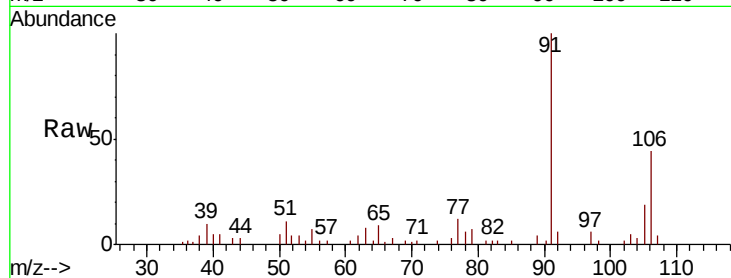




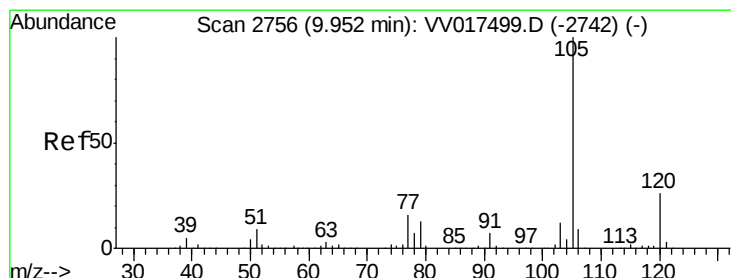
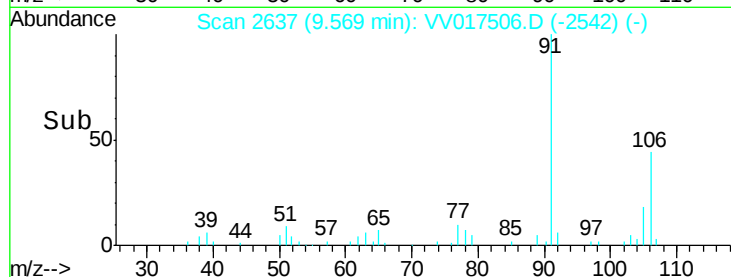
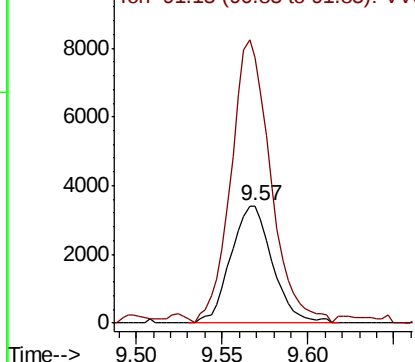
#56
o-xylene
Concen: 0.334 ug/L
RT: 9.57 min Scan# 2637
Delta R.T. 0.01 min
Lab File: VV017506.D
Acq: 15 Jul 2020 12:55

Instrument :
MSVOA_V
ClientSampled :
GAXY0

Tot Ion:106 Resp: 5754
Ion Ratio Lower Upper
106 100
91 226.8 158.8 294.8

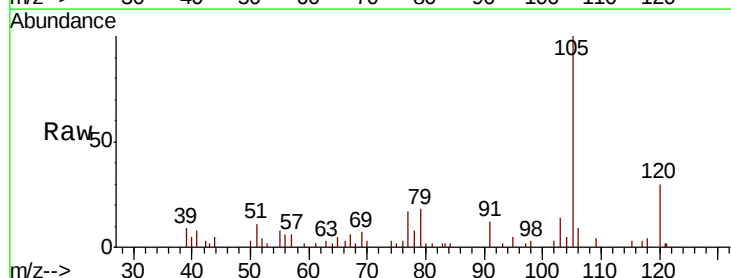


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

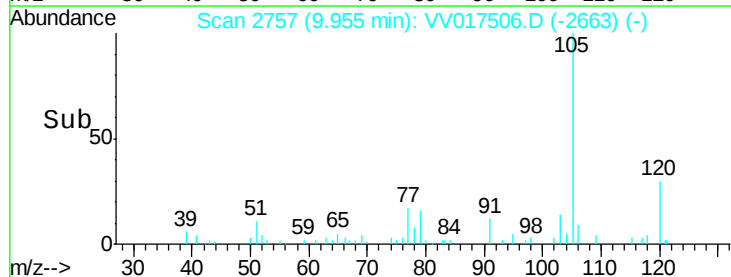
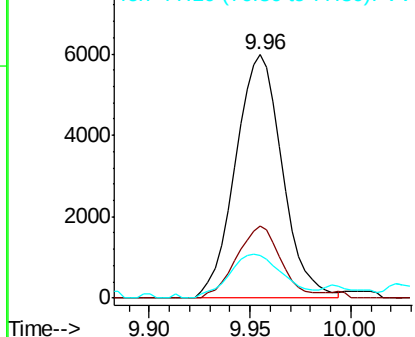


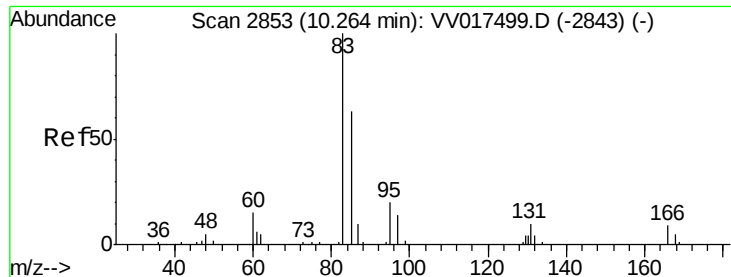
#58
Isopropylbenzene
Concen: 0.200 ug/L
RT: 9.96 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VV017506.D
Acq: 15 Jul 2020 12:55

Tgt Ion:105 Resp: 9728
Ion Ratio Lower Upper
105 100
120 28.1 21.3 31.9
77 21.1 13.3 19.9#



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): VV0





#60

1,1,2,2-Tetrachloroethane

Concen: 0.178 ug/L

RT: 10.26 min Scan# 2851

Delta R.T. -0.01 min

Lab File: VV017506.D

Acq: 15 Jul 2020 12:55

Instrument :

MSVOA_V

ClientSampled :

GAXY0

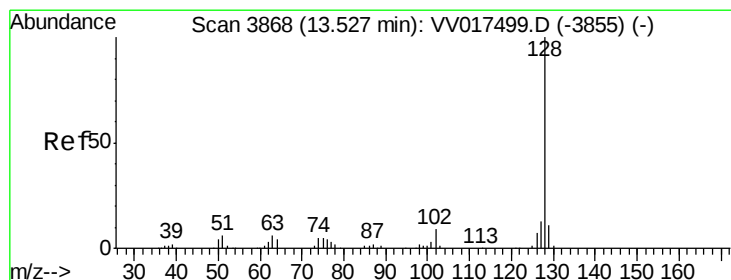
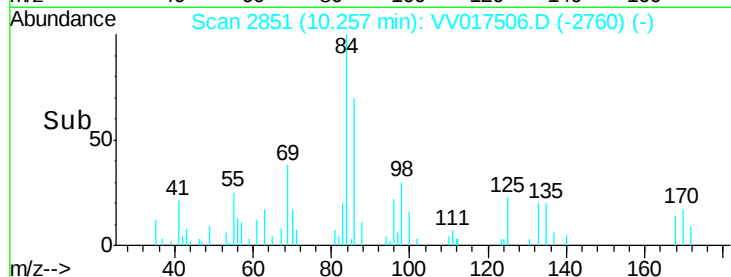
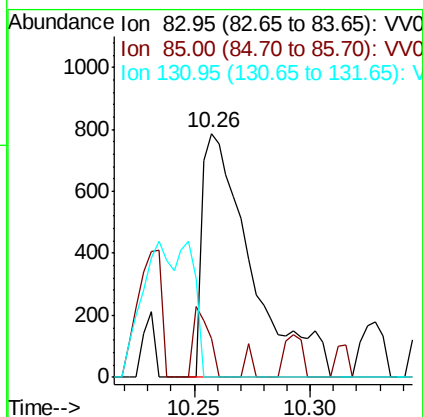
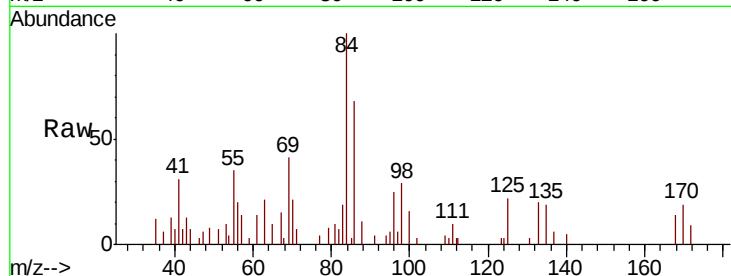
Tot Ion: 83 Resp: 1156

Ion Ratio Lower Upper

83 100

85 15.8 49.1 91.3#

131 0.0 9.8 14.6#



#70

Naphthalene

Concen: 1.095 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV017506.D

Acq: 15 Jul 2020 12:55

Tgt Ion: 128 Resp: 24034

Ion Ratio Lower Upper

128 100

129 12.4 8.5 12.7

127 13.4 10.6 15.8

