

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060520\
 Data File : VV016536.D
 Acq On : 05 Jun 2020 15:18
 Operator : SY/MD
 Sample : L2861-08
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 06 00:11:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 06 00:07:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	378259	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	371222	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	194009	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	111016	41.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.88%
7) Chloroethane-d5	1.56	69	76326	39.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.92%
11) 1,1-Dichloroethene-d2	2.12	63	144587	30.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.88%
21) 2-Butanone-d5	3.90	46	161575	94.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.32%
24) Chloroform-d	4.38	84	214994	42.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.52%
26) 1,2-Dichloroethane-d4	5.07	65	159785	47.46	ug/L	0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.92%
32) Benzene-d6	5.08	84	434778	43.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.44%
36) 1,2-Dichloropropane-d6	6.10	67	133178	42.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.96%
41) Toluene-d8	7.35	98	404001	44.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.46%
43) trans-1,3-Dichloropropene-	7.65	79	59178	39.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.38%
47) 2-Hexanone-d5	8.11	63	122444	92.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.27%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	168081	40.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	165204	45.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.62%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1412	0.647 ug/L #	20
13) Acetone	2.17	43	9234	5.767 ug/L	94
14) Carbon disulfide	2.41	76	15134	2.082 ug/L	96
15) Methyl Acetate	2.44	43	29308	9.959 ug/L #	55
22) 2-Butanone	4.00	43	4930	2.481 ug/L	83
27) 1,2-Dichloroethane	5.15	62	817682	195.924 ug/L #	76
29) Cyclohexane	4.70	56	737270	167.336 ug/L	99
35) Methylcyclohexane	6.16	83	115948	28.198 ug/L	96
39) cis-1,3-Dichloropropene	7.01	75	6871	1.656 ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	4875	1.245 ug/L #	83
48) 2-Hexanone	8.17	43	11056	3.632 ug/L #	89
53) m,p-Xylene	9.17	106	5981865	1259.934 ug/L	93
54) o-xylene	9.57	106	5306664	1154.087 ug/L	93
56) Isopropylbenzene	9.95	105	758794	63.531 ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.25	83	13338	3.022 ug/L #	74
59) 1,2,3-Trichloropropane	9.88	75	4123	1.161 ug/L	91
66) 1,2-Dibromo-3-chloropropan	12.28	75	1923	2.094 ug/L #	3

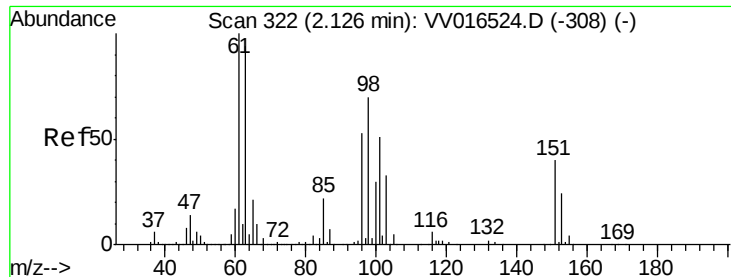
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060520\
Data File : VV016536.D
Acq On : 05 Jun 2020 15:18
Operator : SY/MD
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Instrument :
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ClientSampleId :

Quant Time: Jun 06 00:11:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 06 00:07:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
69) Naphthalene	13.53	128	2480852	215.884	ug/L	99
-----	-----	-----	-----	-----	-----	-----

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



#10

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

Concen: 0.647 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016536.D

Acq: 05 Jun 2020 15:18

Instrument :

MSVOA_V

ClientSampleId :

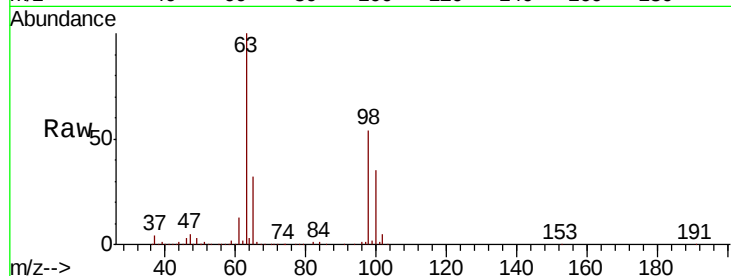
Tot Ion:101 Resp: 1412

Ion Ratio Lower Upper

101 100

85 3.1 35.6 53.4#

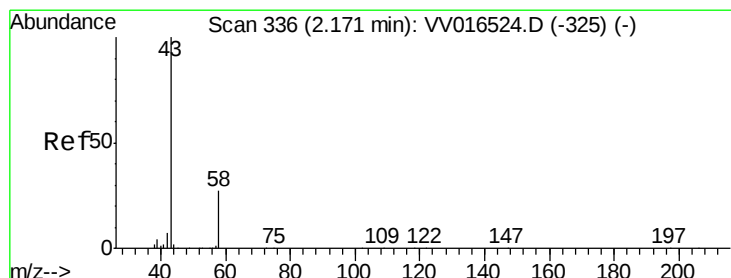
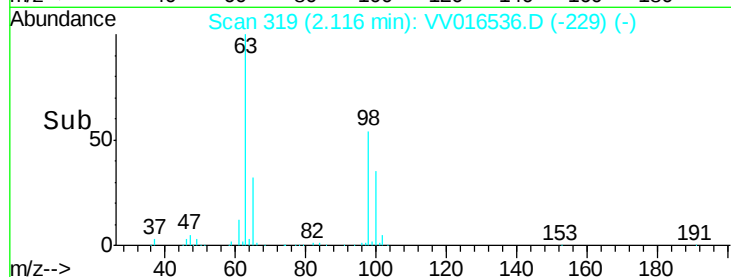
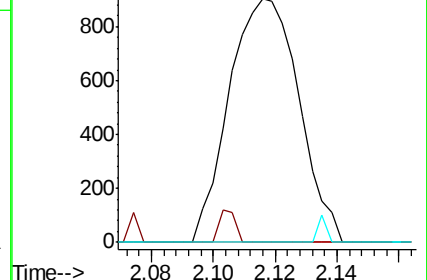
151 0.0 61.8 92.8#



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: 5.767 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV016536.D

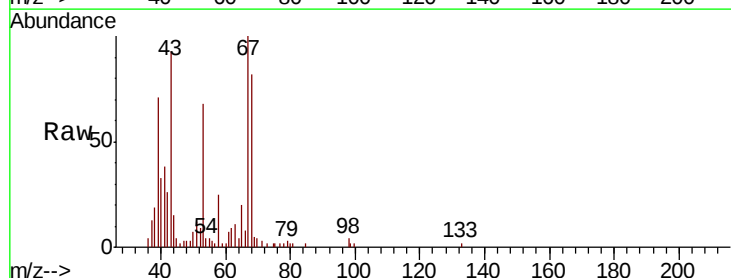
Acq: 05 Jun 2020 15:18

Tgt Ion: 43 Resp: 9234

Ion Ratio Lower Upper

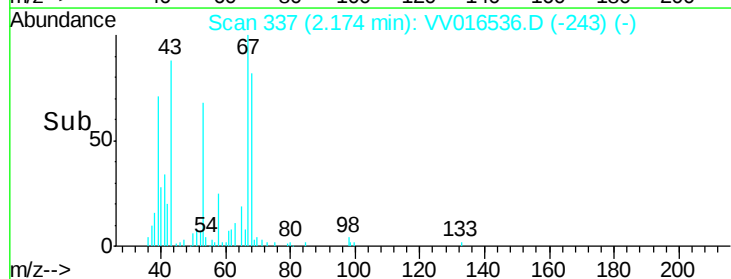
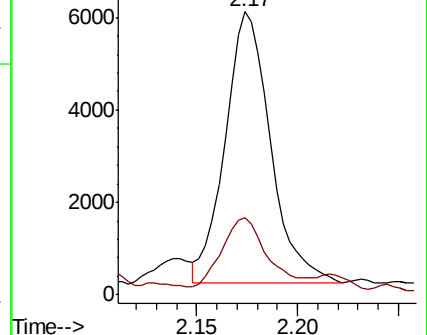
43 100

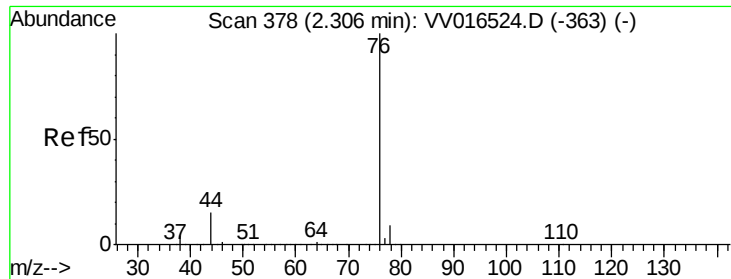
58 31.9 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#14

Carbon disulfide

Concen: 2.082 ug/L

RT: 2.41 min Scan# 412

Delta R.T. 0.11 min

Lab File: VV016536.D

Acq: 05 Jun 2020 15:18

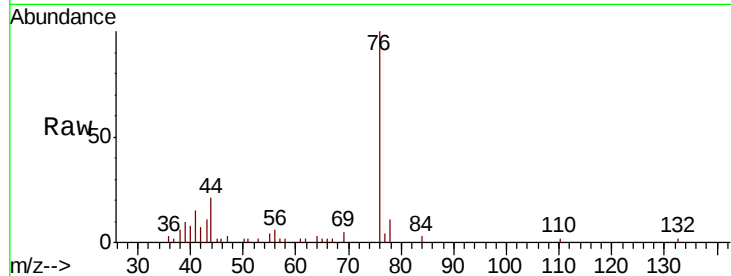
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 76 Resp: 15134

Ion Ratio Lower Upper

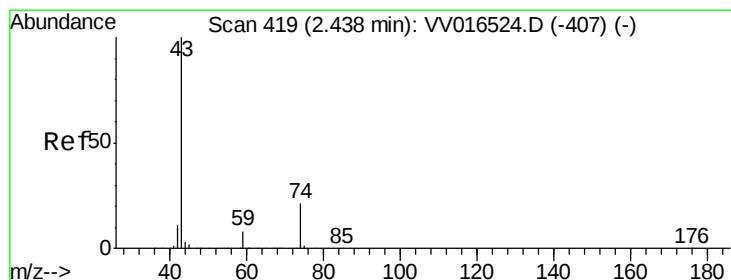
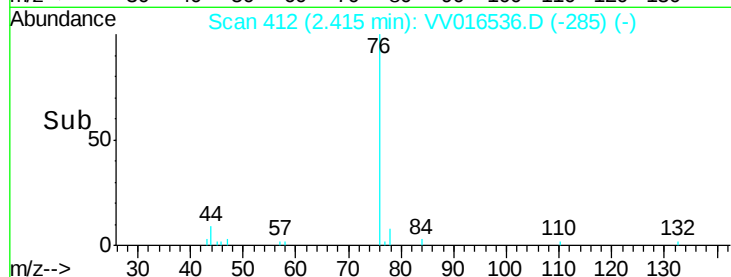
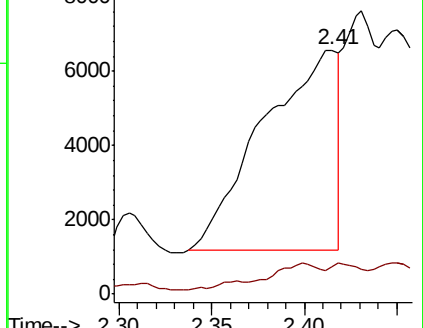
76 100

78 11.0 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VV016536.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VV016536.D (-363) (-)



#15

Methyl Acetate

Concen: 9.959 ug/L

RT: 2.44 min Scan# 420

Delta R.T. 0.00 min

Lab File: VV016536.D

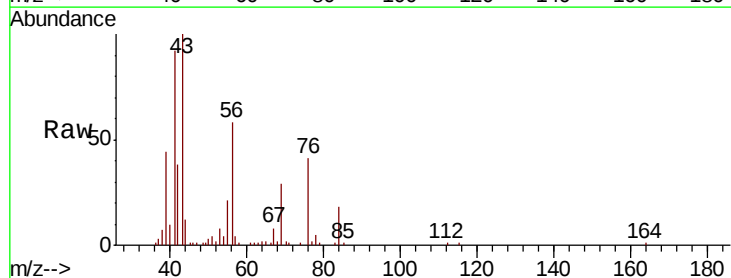
Acq: 05 Jun 2020 15:18

Tgt Ion: 43 Resp: 29308

Ion Ratio Lower Upper

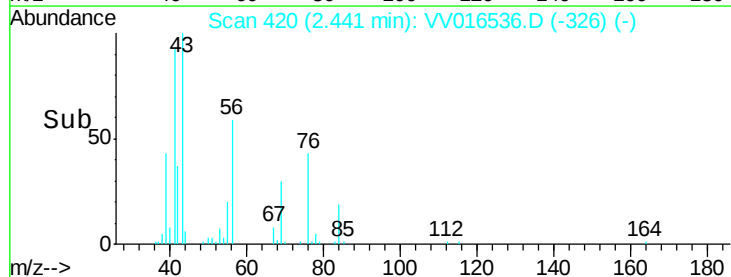
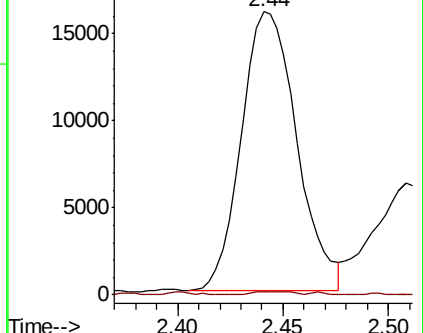
43 100

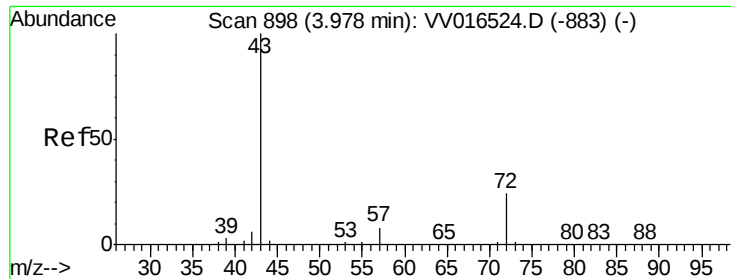
74 0.8 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VV016536.D (-326) (-)

Ion 74.00 (73.70 to 74.70): VV016536.D (-326) (-)





#22

2-Butanone

Concen: 2.481 ug/L

RT: 4.00 min Scan# 906

Delta R.T. 0.03 min

Lab File: VV016536.D

Acq: 05 Jun 2020 15:18

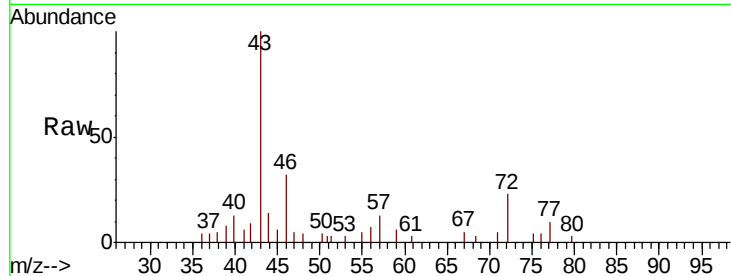
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 4930

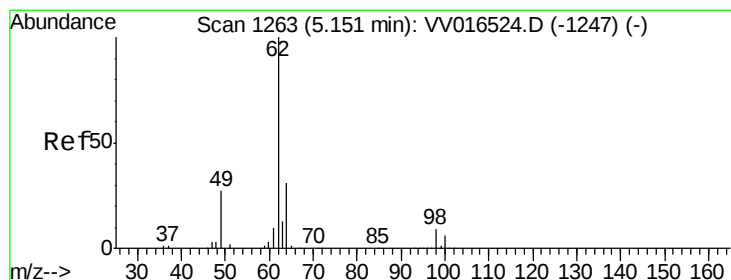
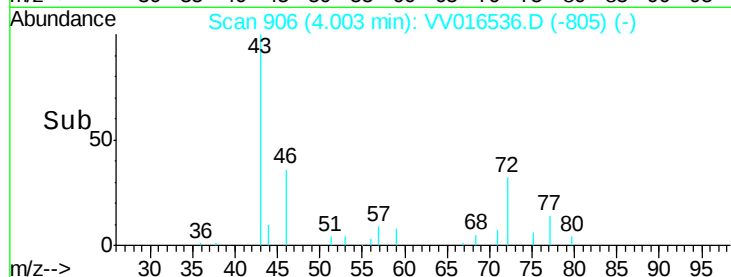
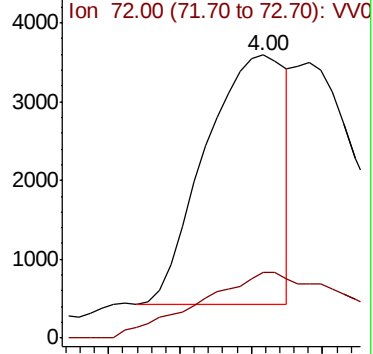
Ion Ratio Lower Upper

43 100

72 33.9 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VV016536.D (-805) (-)



#27

1,2-Dichloroethane

Concen: 195.924 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VV016536.D

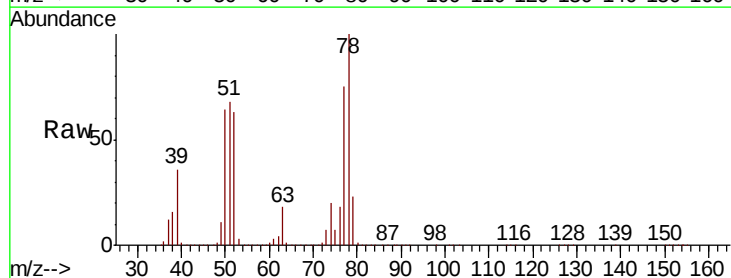
Acq: 05 Jun 2020 15:18

Tgt Ion: 62 Resp: 817682

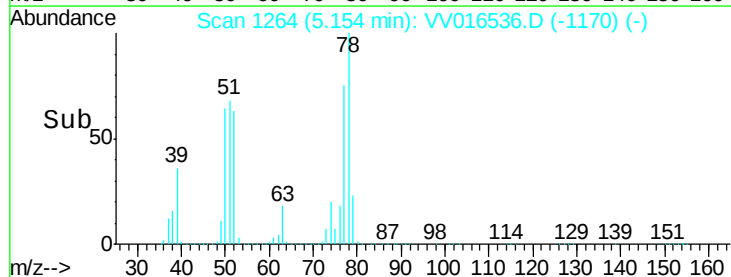
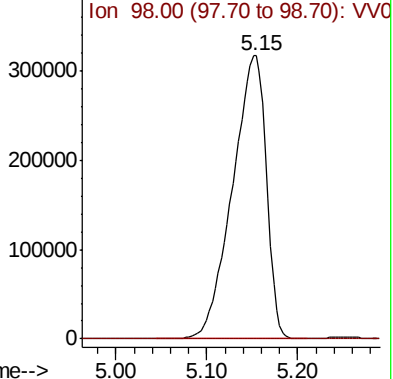
Ion Ratio Lower Upper

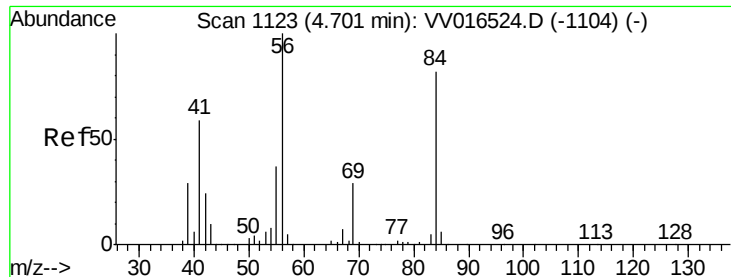
62 100

98 0.0 6.9 10.3#



Abundance Ion 62.00 (61.70 to 62.70): VV016536.D (-1170) (-)

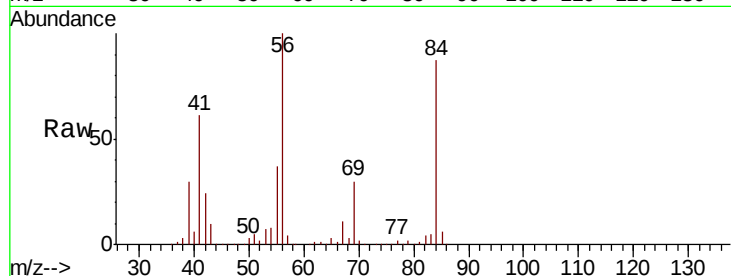




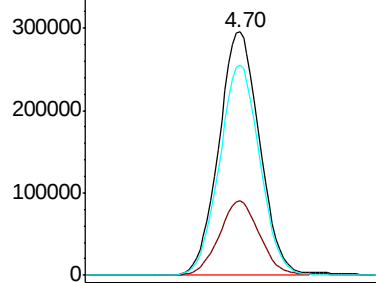
#29
Cyclohexane
Concen: 167.336 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV016536.D
Acq: 05 Jun 2020 15:18

Instrument :
MSVOA_V
ClientSampleId :

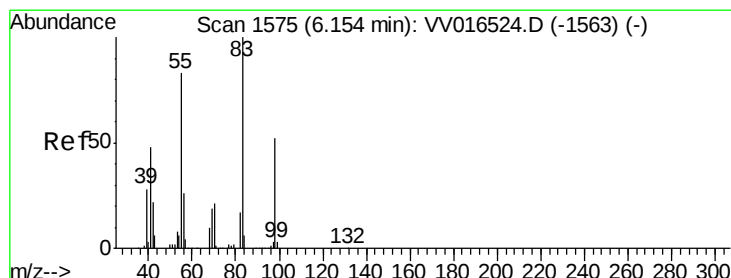
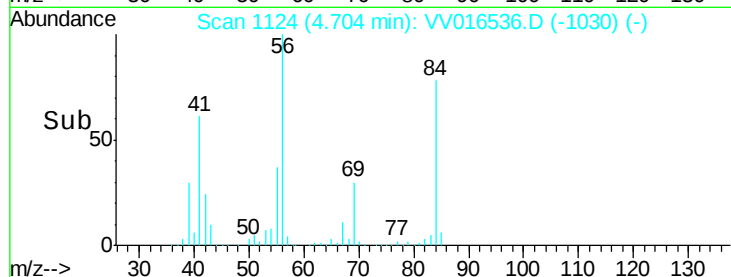
Tot Ion: 56 Resp: 737270
Ion Ratio Lower Upper
56 100
69 30.7 23.9 35.9
84 85.5 68.2 102.2



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

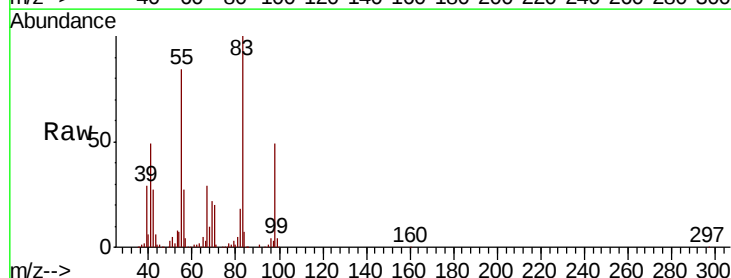


Time-->

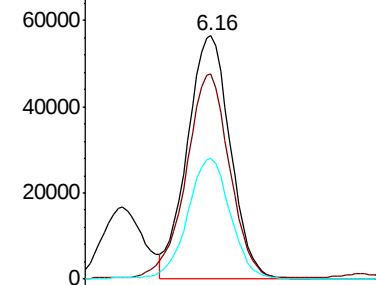


#35
Methylcyclohexane
Concen: 28.198 ug/L
RT: 6.16 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VV016536.D
Acq: 05 Jun 2020 15:18

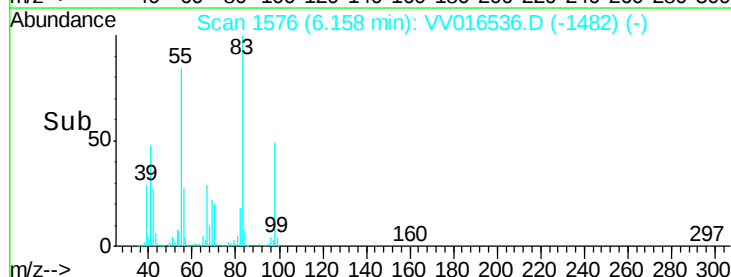
Tgt Ion: 83 Resp: 115948
Ion Ratio Lower Upper
83 100
55 84.9 63.4 95.0
98 49.6 39.4 59.0

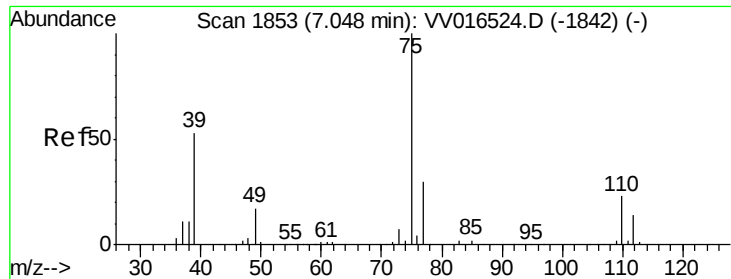


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



Time-->

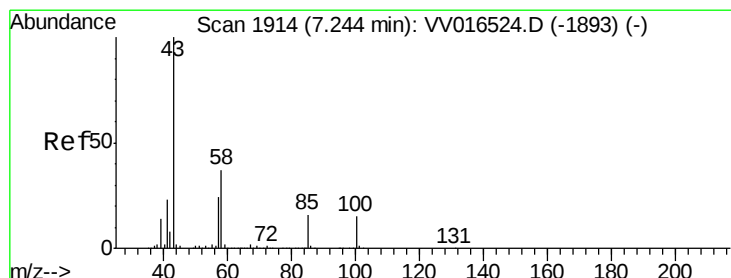
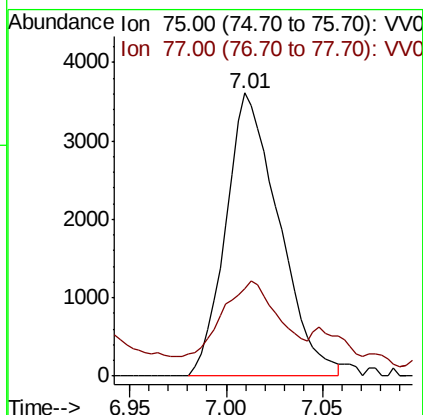
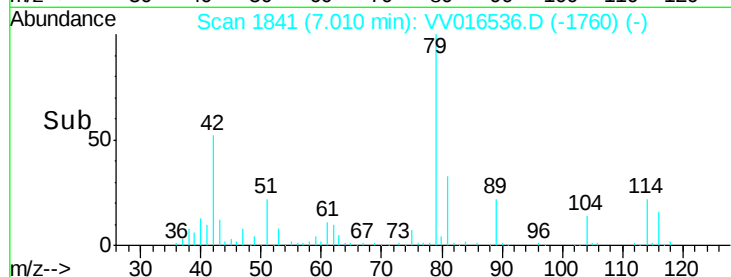
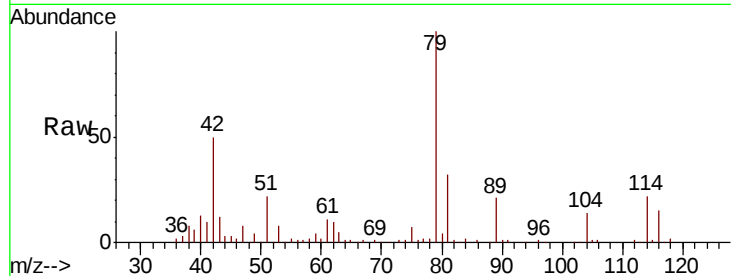




#39
 cis-1,3-Dichloropropene
 Concen: 1.656 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016536.D
 Acq: 05 Jun 2020 15:18

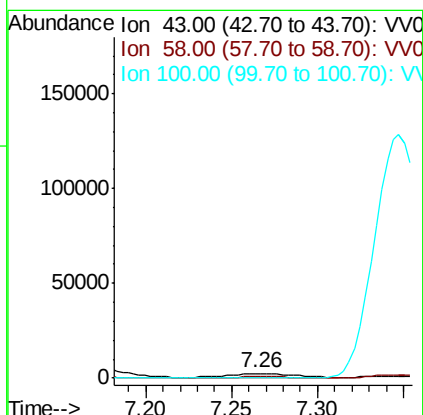
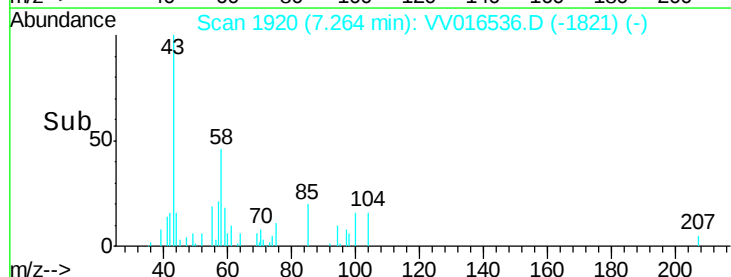
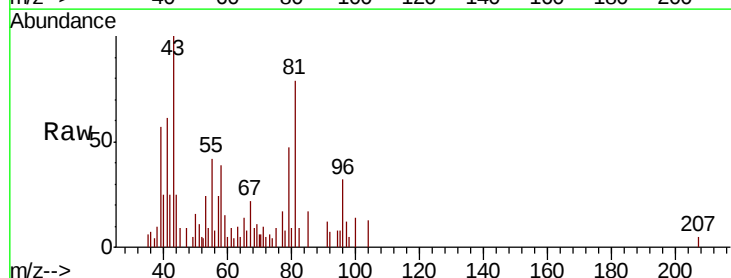
Instrument :
 MSVOA_V
 ClientSampled :

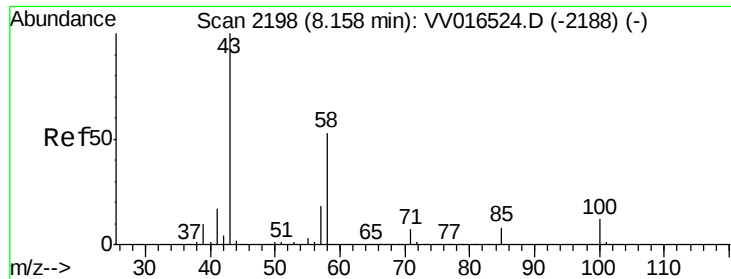
Tot Ion: 75 Resp: 6871
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 1.245 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.02 min
 Lab File: VV016536.D
 Acq: 05 Jun 2020 15:18

Tgt Ion: 43 Resp: 4875
 Ion Ratio Lower Upper
 43 100
 58 46.2 29.9 44.9#
 100 5.8 11.9 17.9#

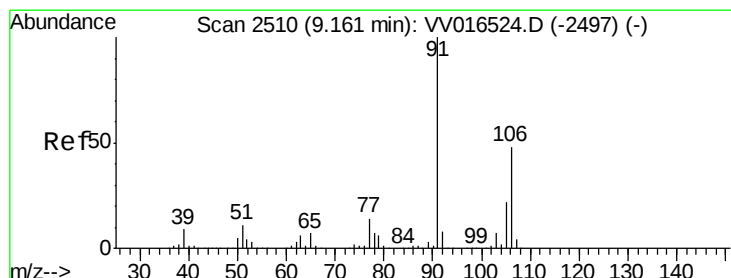
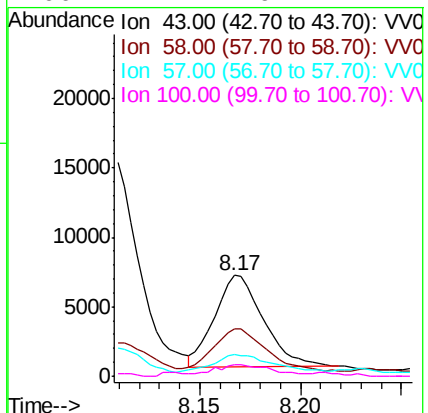
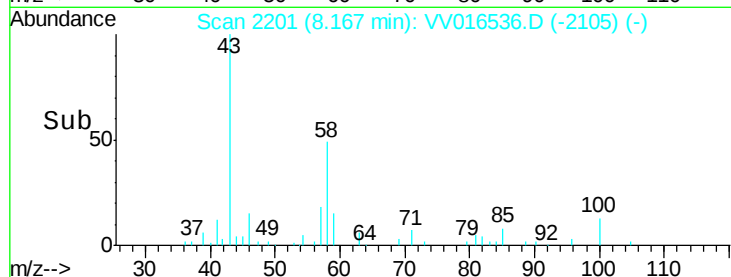
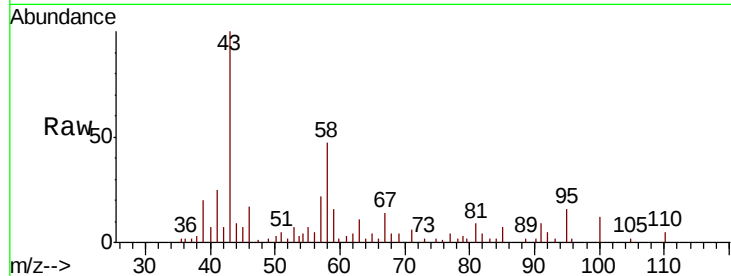




#48
2-Hexanone
Concen: 3.632 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV016536.D
Acq: 05 Jun 2020 15:18

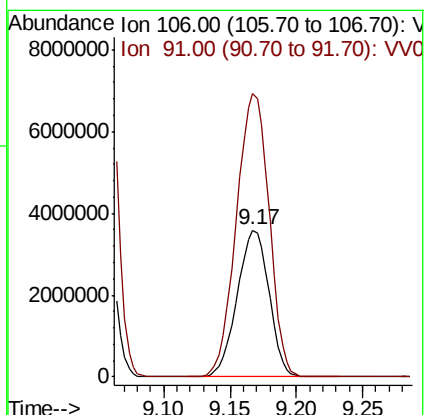
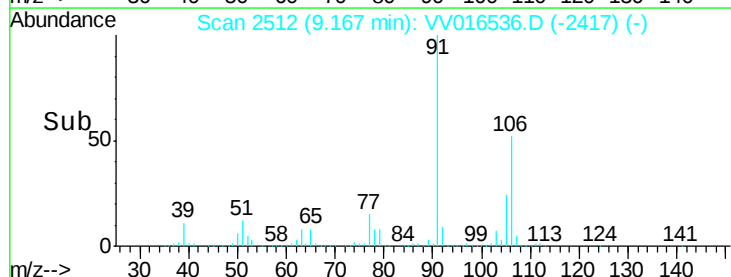
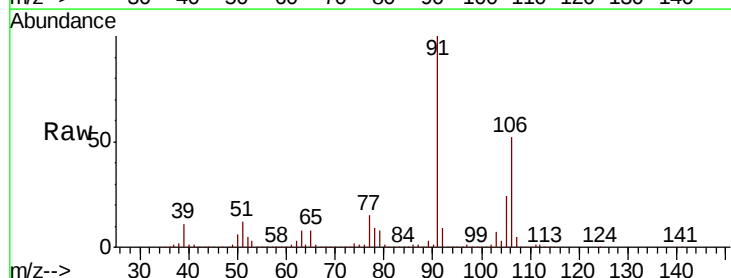
Instrument :
MSVOA_V
ClientSampleId :

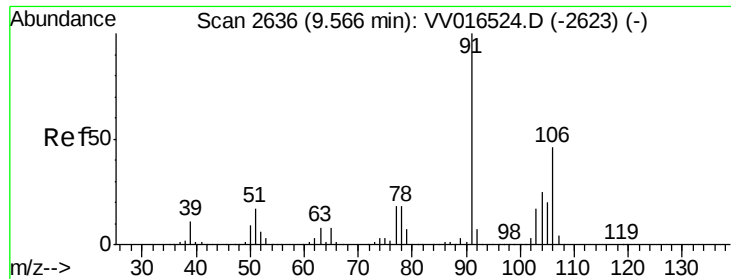
Tot Ion: 43 Resp: 11056
Ion Ratio Lower Upper
43 100
58 61.9 42.7 64.1
57 24.2 14.5 21.7#
100 12.1 9.4 14.2



#53
m,p-Xylene
Concen: 1259.934 ug/L
RT: 9.17 min Scan# 2512
Delta R.T. 0.01 min
Lab File: VV016536.D
Acq: 05 Jun 2020 15:18

Tgt Ion: 106 Resp: 5981865
Ion Ratio Lower Upper
106 100
91 193.3 142.5 264.6

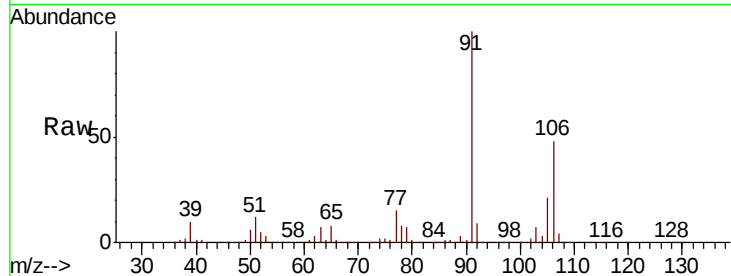




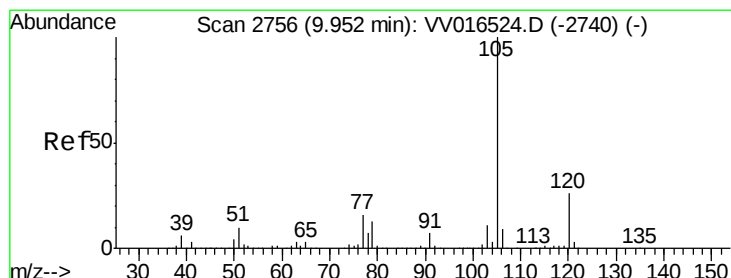
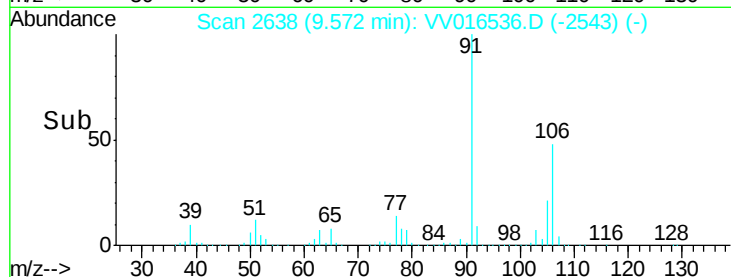
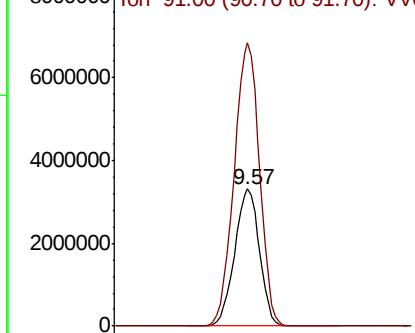
#54
o-xylene
Concen: 1154.087 ug/L
RT: 9.57 min Scan# 2638
Delta R.T. 0.01 min
Lab File: VV016536.D
Acq: 05 Jun 2020 15:18

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 5306664
Ion Ratio Lower Upper
106 100
91 206.3 152.5 283.1

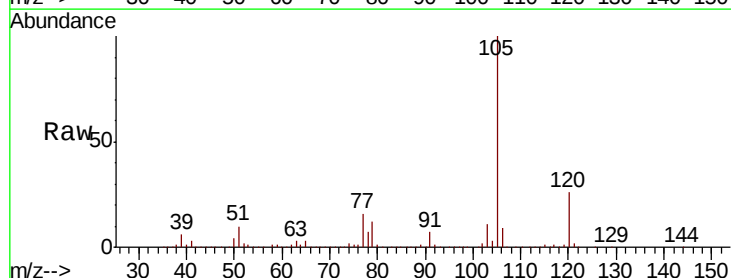


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

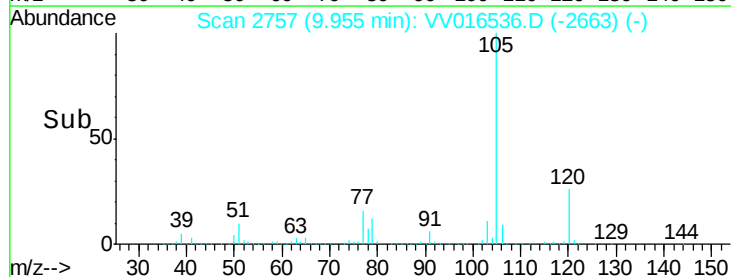
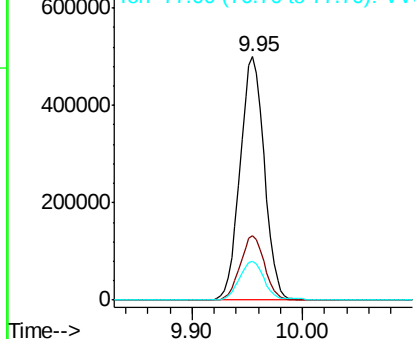


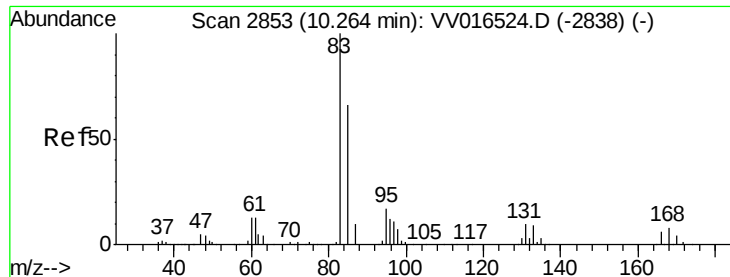
#56
Isopropylbenzene
Concen: 63.531 ug/L
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VV016536.D
Acq: 05 Jun 2020 15:18

Tgt Ion:105 Resp: 758794
Ion Ratio Lower Upper
105 100
120 26.5 21.0 31.6
77 16.1 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 3.022 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. -0.02 min

Lab File: VV016536.D

Acq: 05 Jun 2020 15:18

Instrument :

MSVOA_V

ClientSampled :

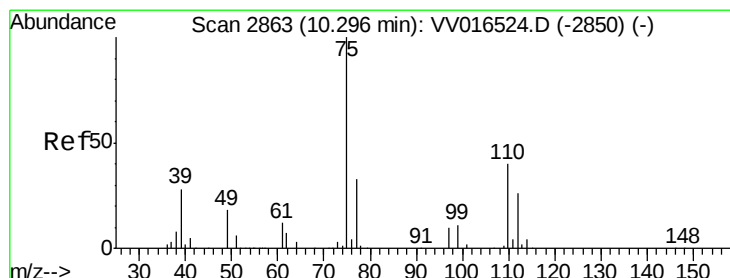
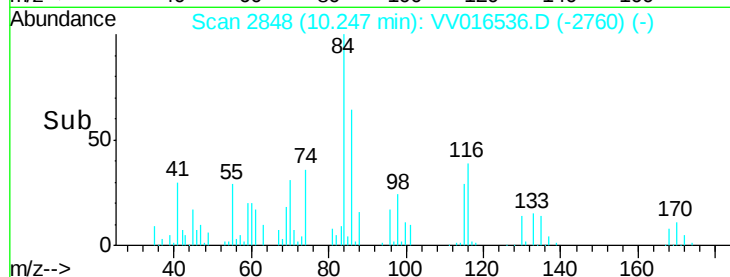
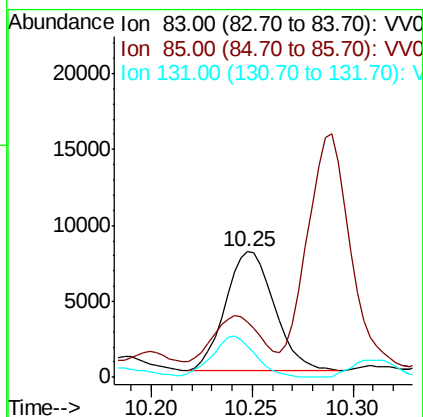
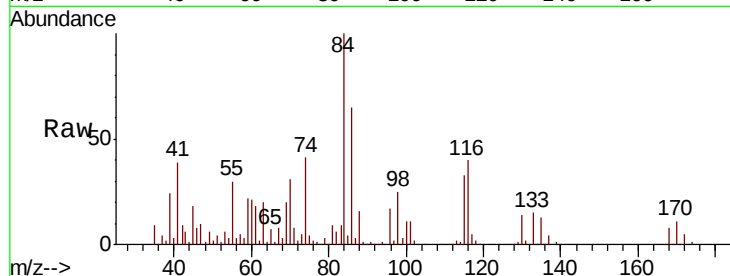
Tot Ion: 83 Resp: 13338

Ion Ratio Lower Upper

83 100

85 44.5 44.0 81.6

131 25.3 7.6 11.4#



#59

1,2,3-Trichloropropane

Concen: 1.161 ug/L

RT: 9.88 min Scan# 2735

Delta R.T. -0.41 min

Lab File: VV016536.D

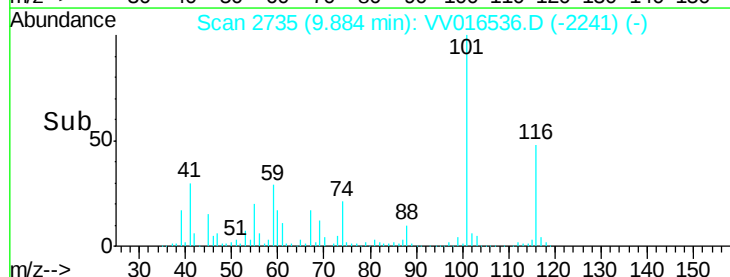
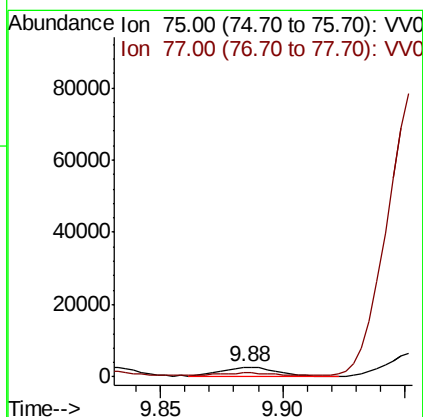
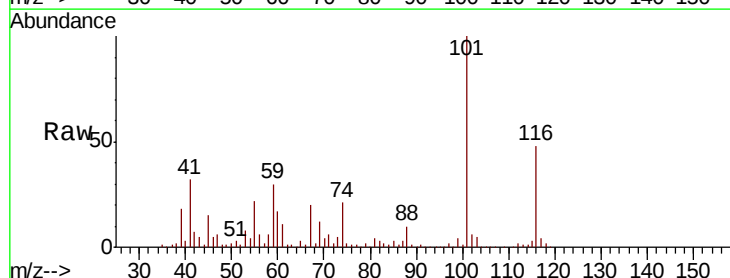
Acq: 05 Jun 2020 15:18

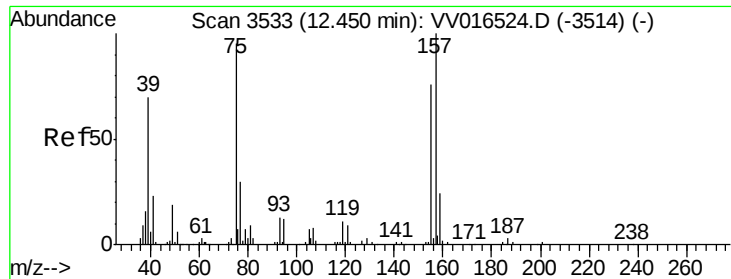
Tgt Ion: 75 Resp: 4123

Ion Ratio Lower Upper

75 100

77 27.9 26.6 40.0

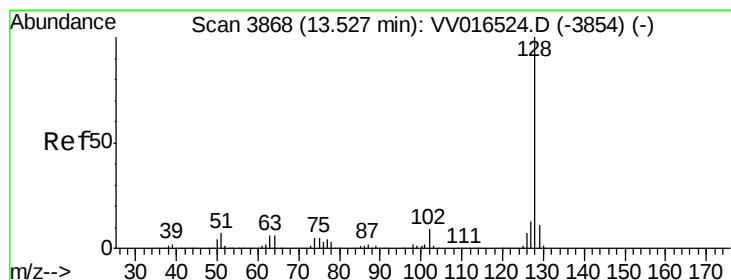
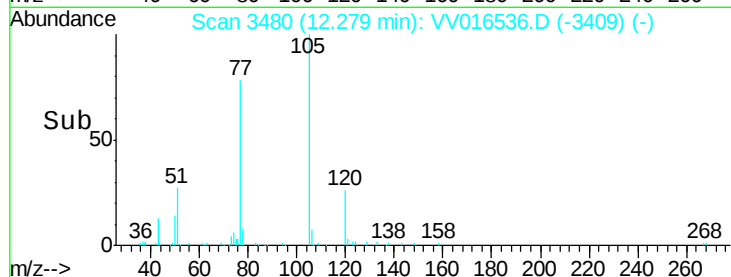
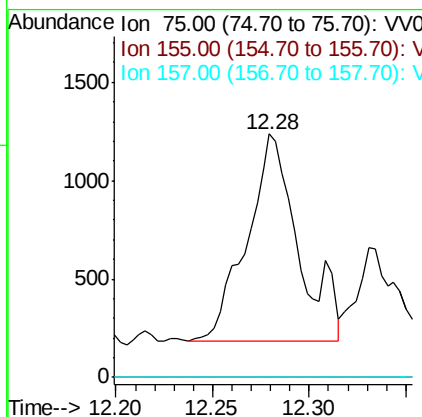
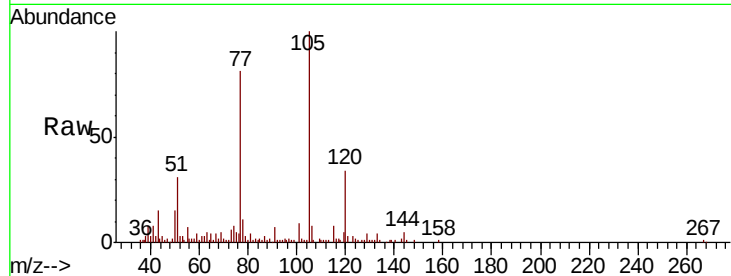




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.094 ug/L
 RT: 12.28 min Scan# 3480
 Delta R.T. -0.17 min
 Lab File: VV016536.D
 Acq: 05 Jun 2020 15:18

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 1923
 Ion Ratio Lower Upper
 75 100
 155 0.0 66.2 99.2#
 157 0.0 83.0 124.4#



#69
 Naphthalene
 Concen: 215.884 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV016536.D
 Acq: 05 Jun 2020 15:18

Tgt Ion: 128 Resp: 2480852
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.2 15.4
 129 10.9 8.7 13.1

