

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060520\
 Data File : VV016535.D
 Acq On : 05 Jun 2020 14:55
 Operator : SY/MD
 Sample : L2861-07
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 06 00:11:08 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	385209	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.88	117	379617	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	196243	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	111133	40.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.46%
7) Chloroethane-d5	1.56	69	77994	39.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.20%
11) 1,1-Dichloroethene-d2	2.12	63	183304	37.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.80%
21) 2-Butanone-d5	3.89	46	168352	96.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.50%
24) Chloroform-d	4.37	84	219746	42.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.84%
26) 1,2-Dichloroethane-d4	5.07	65	159641	46.56	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.12%
32) Benzene-d6	5.08	84	445141	43.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.54%
36) 1,2-Dichloropropane-d6	6.10	67	134022	42.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.60%
41) Toluene-d8	7.35	98	411087	44.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.02%
43) trans-1,3-Dichloropropene-	7.65	79	59025	38.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.44%
47) 2-Hexanone-d5	8.11	63	126256	93.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.04%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	171546	39.92	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	79.84%
64) 1,2-Dichlorobenzene-d4	11.65	152	166789	45.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.46%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1647	0.741	ug/L #	21
12) 1,1-Dichloroethene	2.12	96	1646	0.770	ug/L #	1
13) Acetone	2.18	43	8071	4.950	ug/L	97
14) Carbon disulfide	2.41	76	21125	2.853	ug/L	97
27) 1,2-Dichloroethane	5.15	62	834972	196.457	ug/L #	76
29) Cyclohexane	4.70	56	833304	184.950	ug/L	100
35) Methylcyclohexane	6.16	83	133289	31.698	ug/L	97
39) cis-1,3-Dichloropropene	7.01	75	7403	1.745	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	5082	1.269	ug/L #	72
48) 2-Hexanone	8.17	43	12335	3.963	ug/L	98
53) m,p-Xylene	9.17	106	6441130	1326.665	ug/L	92
54) o-xylene	9.57	106	5623864	1196.024	ug/L	92
55) Styrene	9.58	104	479786	58.245	ug/L #	1
56) Isopropylbenzene	9.95	105	831758	68.100	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.25	83	13310	2.949	ug/L #	72
66) 1,2-Dibromo-3-chloropropan	12.28	75	1974	2.125	ug/L #	3
69) Naphthalene	13.53	128	2618450	225.264	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Sat Jun 06 00:07:58 2020
Response via : Initial Calibration

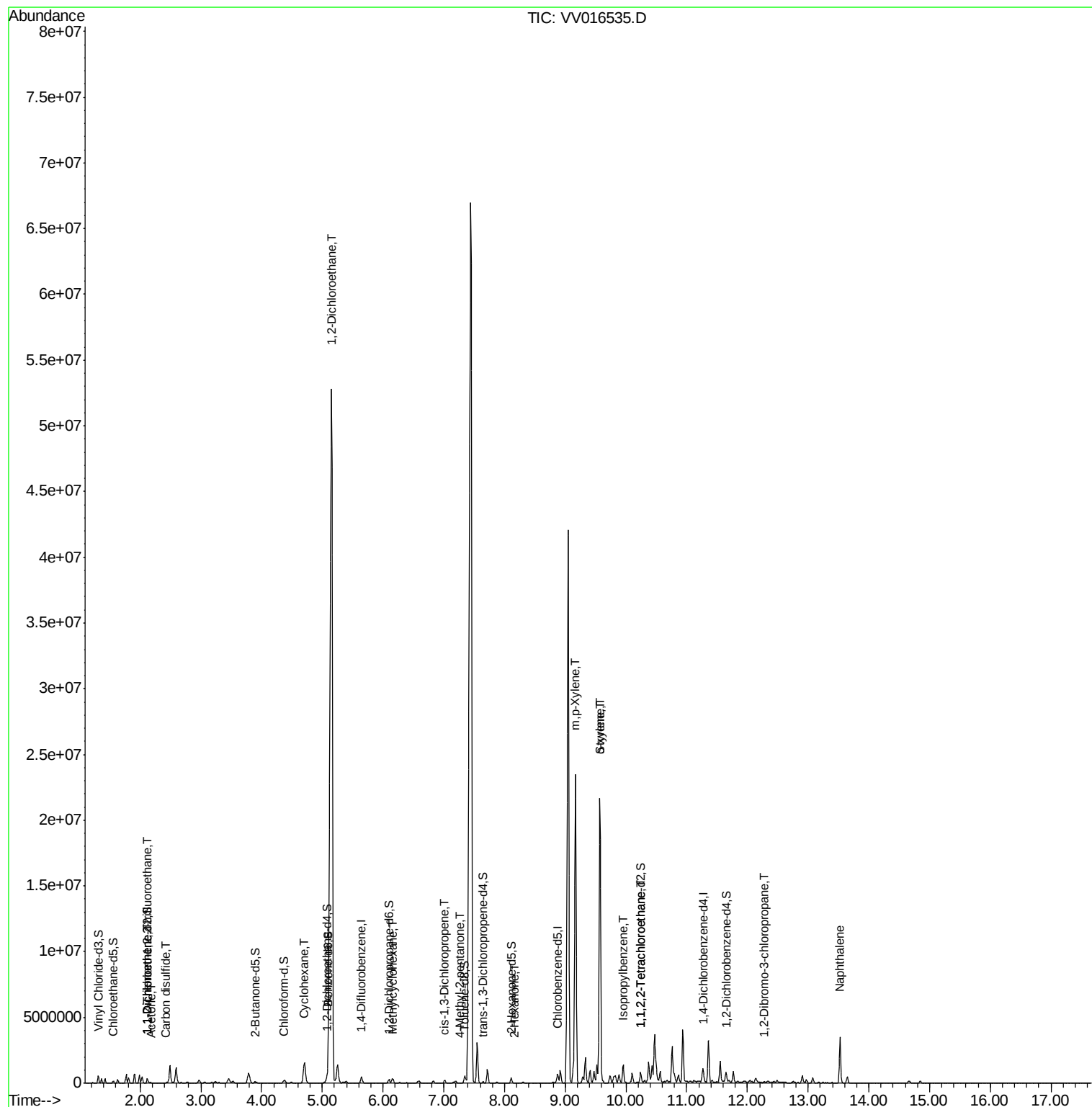
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

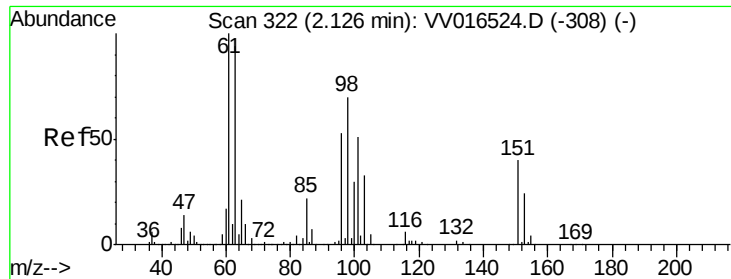
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Jun 06 00:07:58 2020
Response via : Initial Calibration





#10

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

Concen: 0.741 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016535.D

Acq: 05 Jun 2020 14:55

Instrument :

MSVOA_V

ClientSampled :

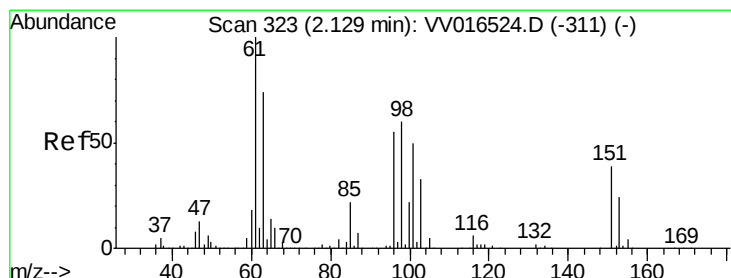
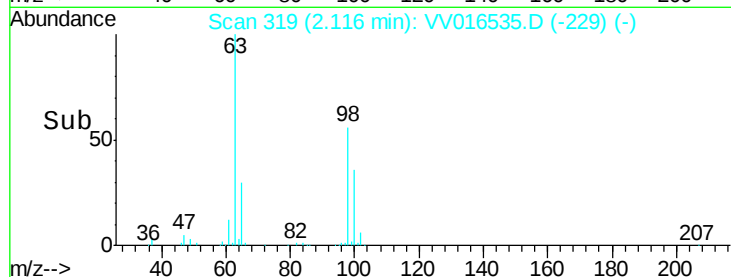
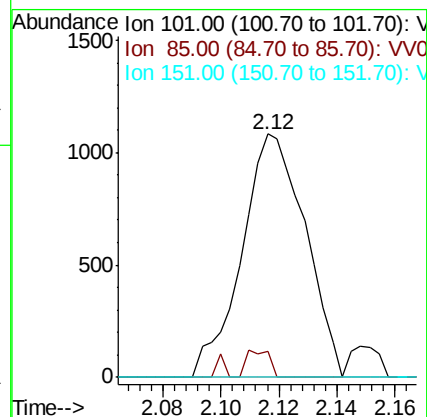
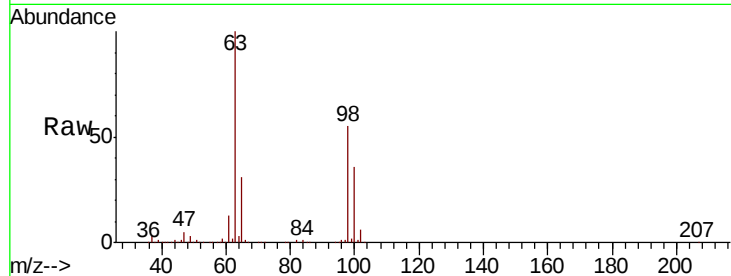
Tot Ion:101 Resp: 1647

Ion Ratio Lower Upper

101 100

85 4.1 35.6 53.4#

151 0.0 61.8 92.8#



#12

1,1-Dichloroethene

Concen: 0.770 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV016535.D

Acq: 05 Jun 2020 14:55

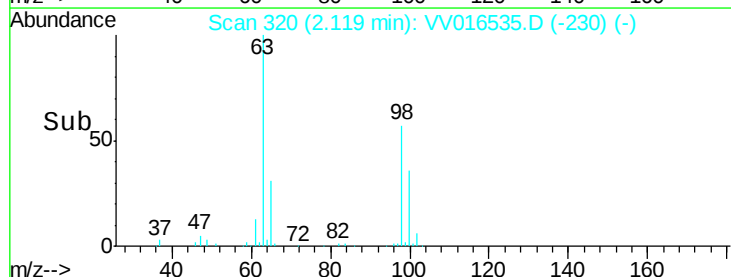
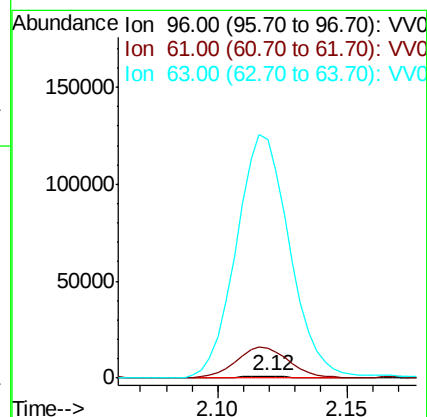
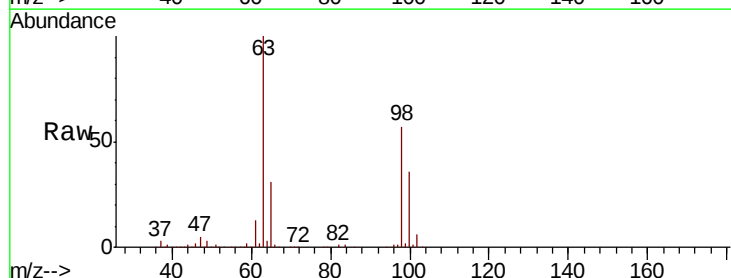
Tgt Ion: 96 Resp: 1646

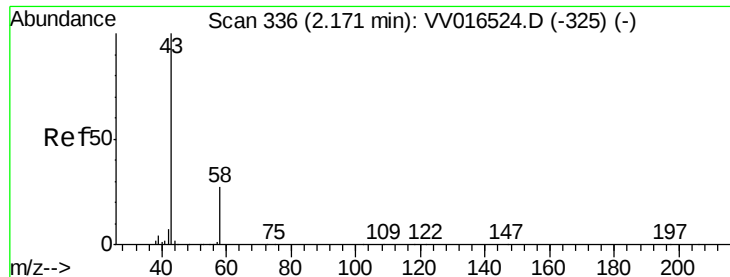
Ion Ratio Lower Upper

96 100

61 1385.6 125.5 233.1#

63 10945.2 104.0 193.1#





#13

Acetone

Concen: 4.950 ug/L

RT: 2.18 min Scan# 338

Delta R.T. 0.01 min

Lab File: VV016535.D

Acq: 05 Jun 2020 14:55

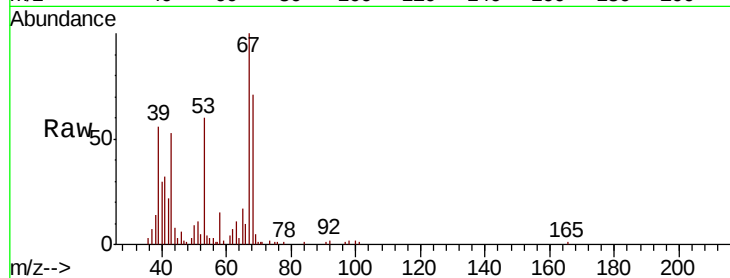
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 8071

Ion Ratio Lower Upper

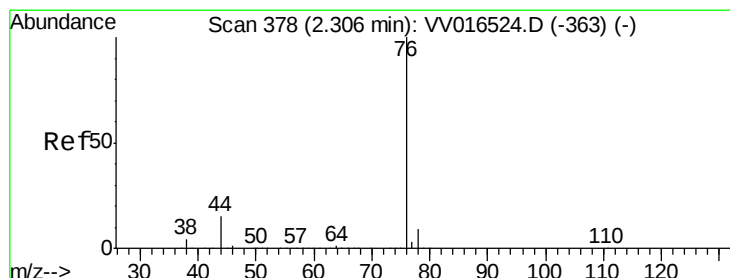
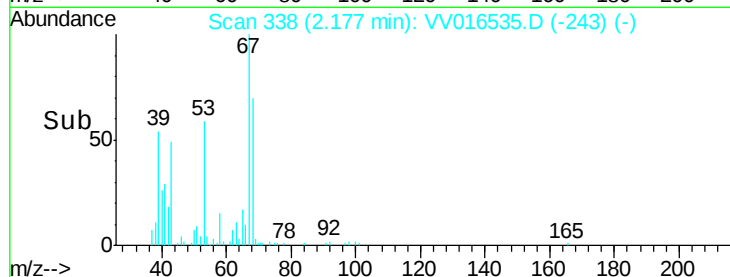
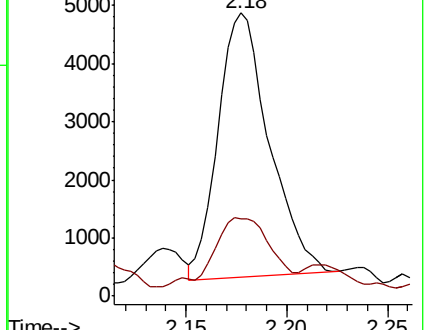
43 100

58 27.1 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VV016524.D (-325) (-)

Ion 58.00 (57.70 to 58.70): VV016524.D (-325) (-)



#14

Carbon disulfide

Concen: 2.853 ug/L

RT: 2.41 min Scan# 409

Delta R.T. 0.10 min

Lab File: VV016535.D

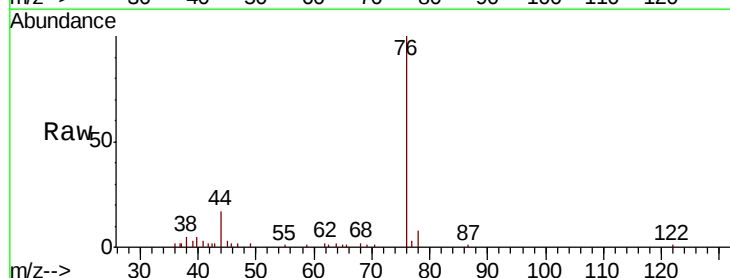
Acq: 05 Jun 2020 14:55

Tgt Ion: 76 Resp: 21125

Ion Ratio Lower Upper

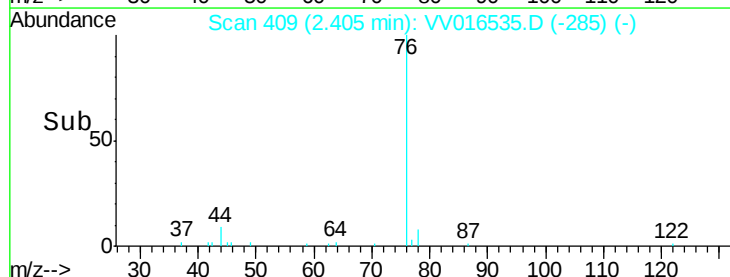
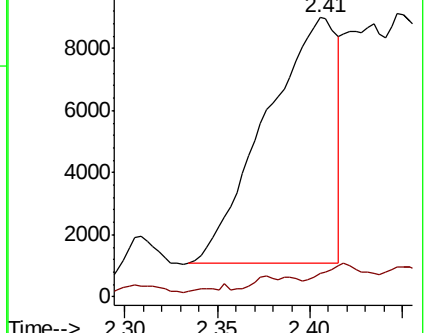
76 100

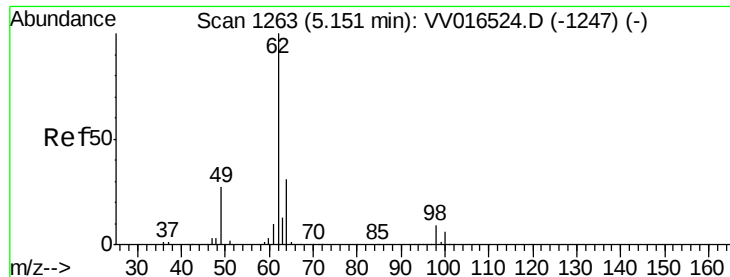
78 8.3 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VV016524.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VV016524.D (-363) (-)

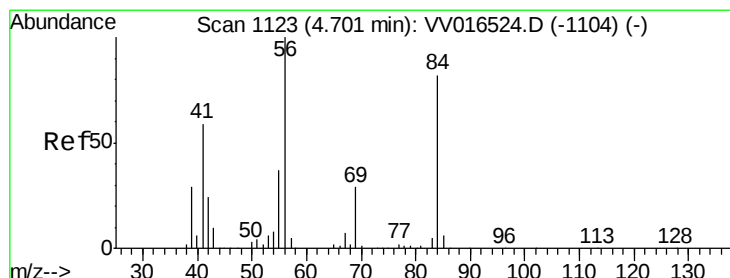
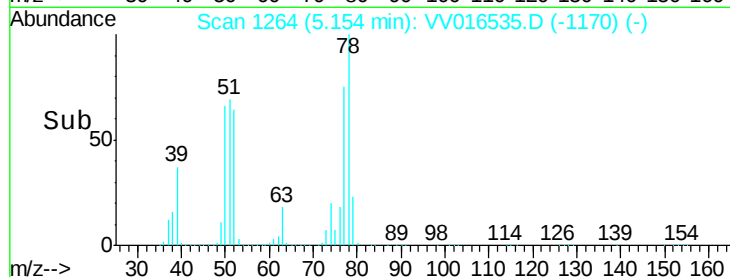
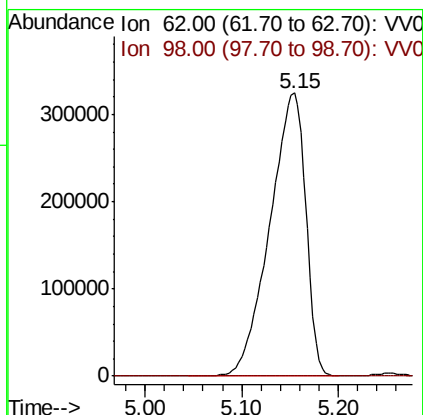
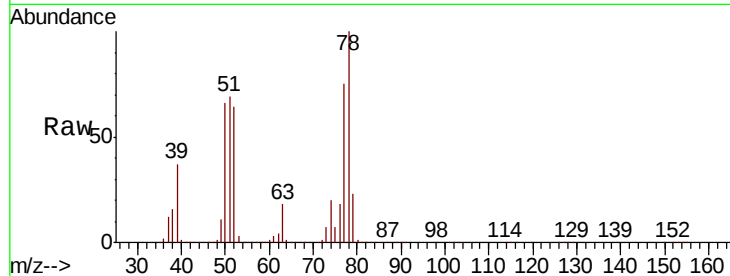




#27
 1,2-Dichloroethane
 Concen: 196.457 ug/L
 RT: 5.15 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VV016535.D
 Acq: 05 Jun 2020 14:55

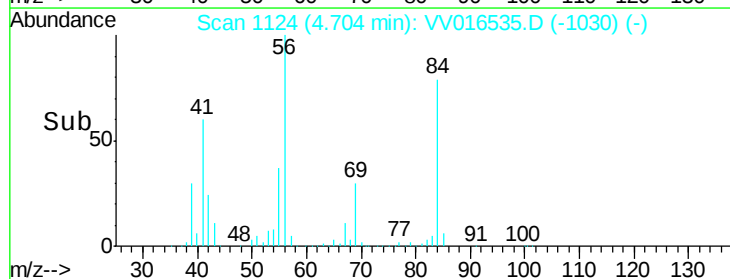
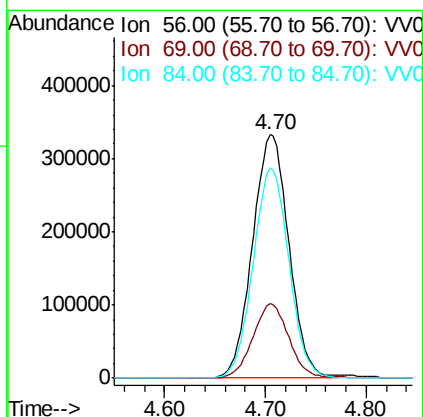
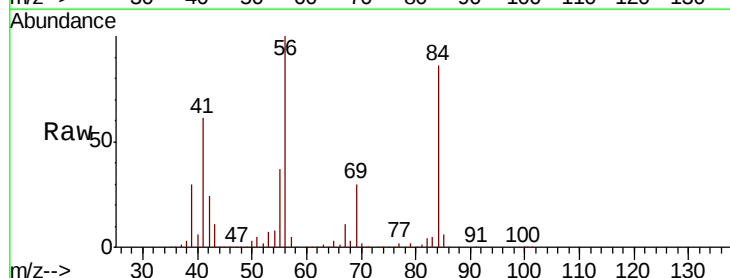
Instrument :
 MSVOA_V
 ClientSampleId :

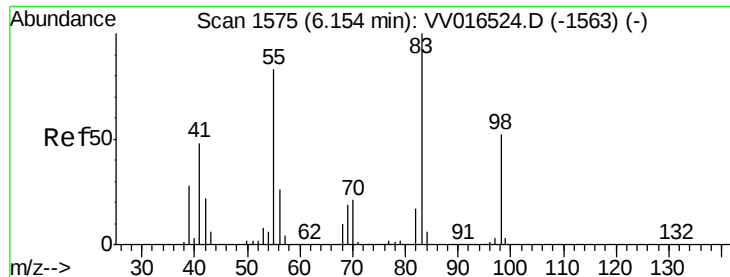
Tot Ion: 62 Resp: 834972
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.9 10.3#



#29
 Cyclohexane
 Concen: 184.950 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VV016535.D
 Acq: 05 Jun 2020 14:55

Tgt Ion: 56 Resp: 833304
 Ion Ratio Lower Upper
 56 100
 69 30.2 23.9 35.9
 84 85.0 68.2 102.2

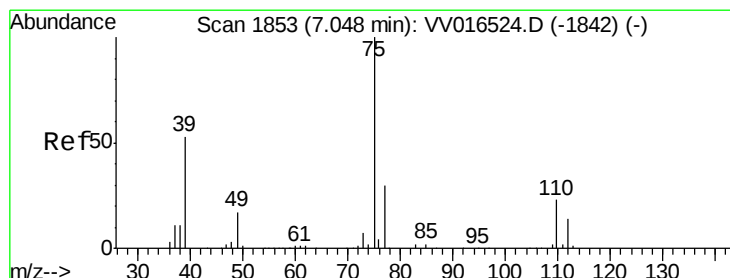
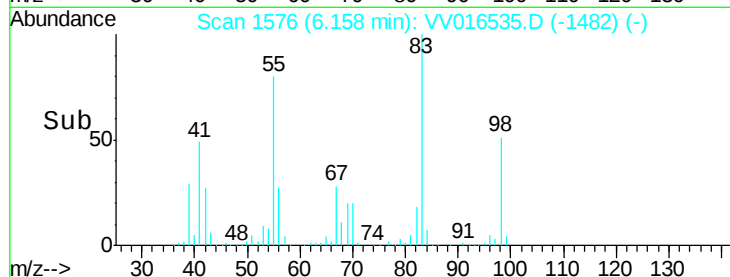
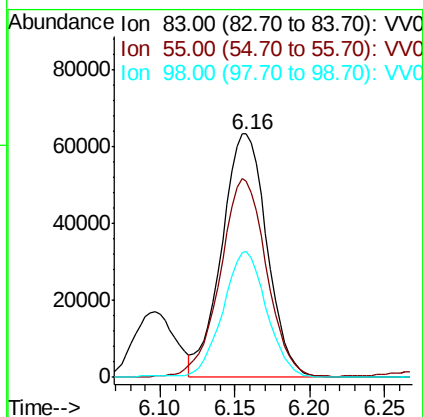
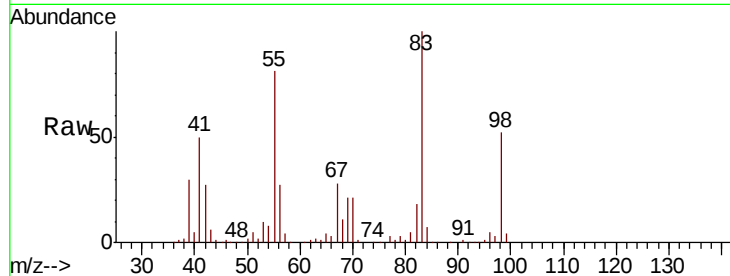




#35
Methylcyclohexane
Concen: 31.698 ug/L
RT: 6.16 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VV016535.D
Acq: 05 Jun 2020 14:55

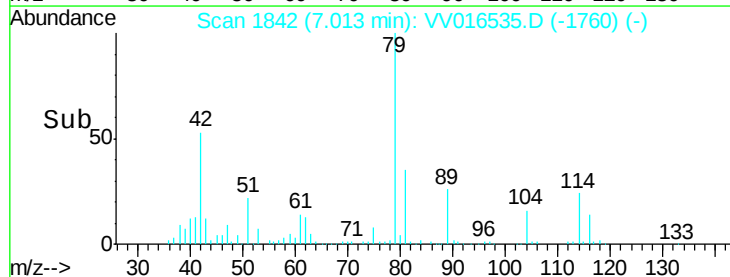
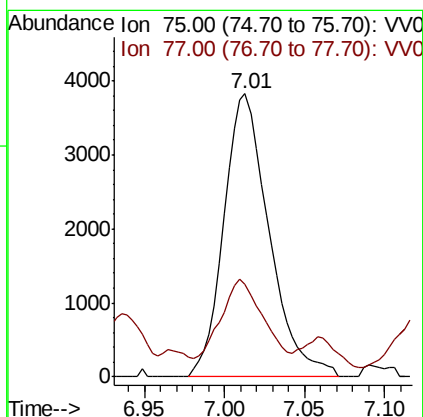
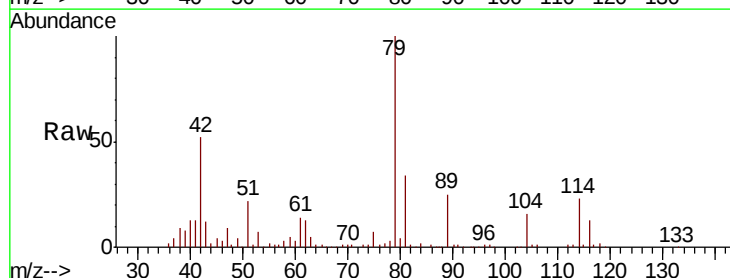
Instrument :
MSVOA_V
ClientSampled :

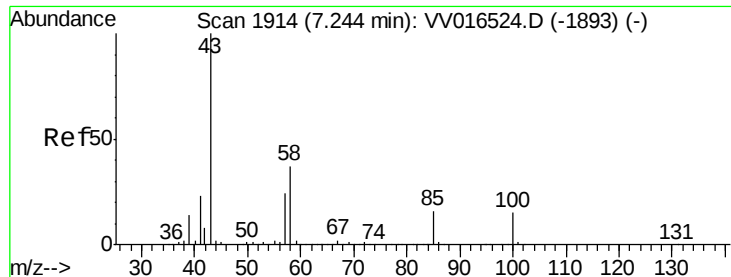
Tot Ion: 83 Resp: 133289
Ion Ratio Lower Upper
83 100
55 82.6 63.4 95.0
98 49.9 39.4 59.0



#39
cis-1,3-Dichloropropene
Concen: 1.745 ug/L
RT: 7.01 min Scan# 1842
Delta R.T. -0.04 min
Lab File: VV016535.D
Acq: 05 Jun 2020 14:55

Tgt Ion: 75 Resp: 7403
Ion Ratio Lower Upper
75 100
77 32.7 22.0 41.0

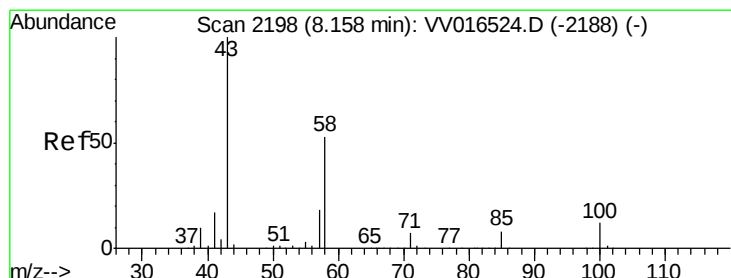
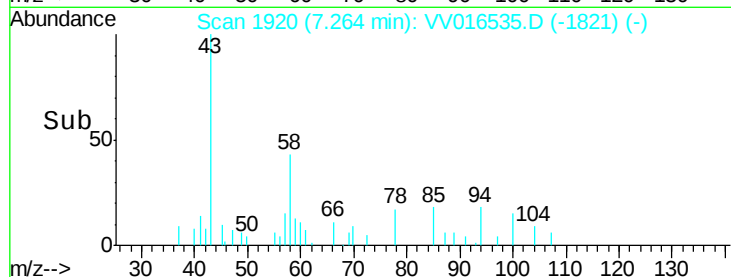
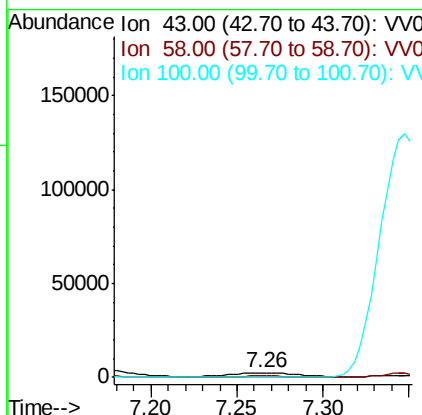
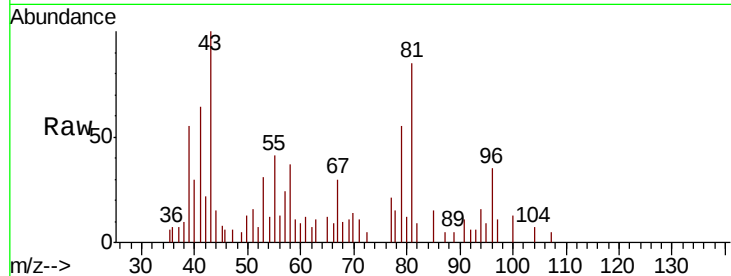




#40
4-Methyl-2-pentanone
Concen: 1.269 ug/L
RT: 7.26 min Scan# 1920
Delta R.T. 0.02 min
Lab File: VV016535.D
Acq: 05 Jun 2020 14:55

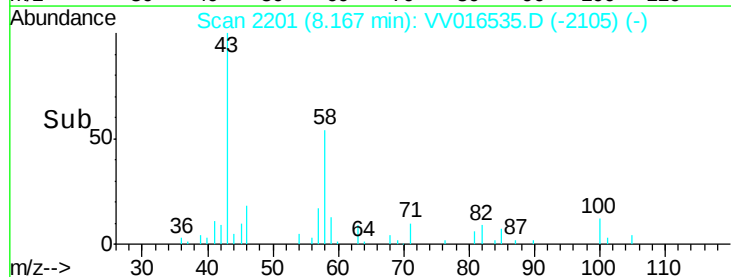
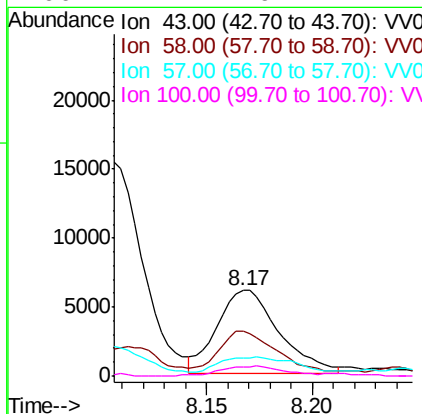
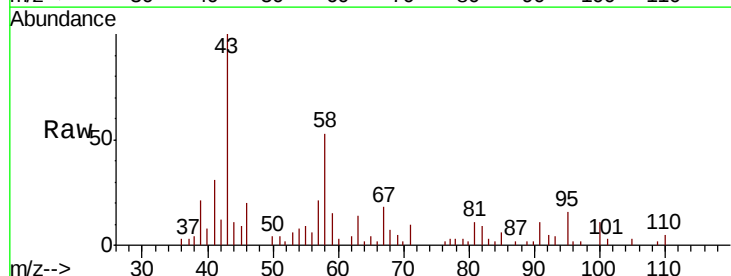
Instrument :
MSVOA_V
ClientSampleId :

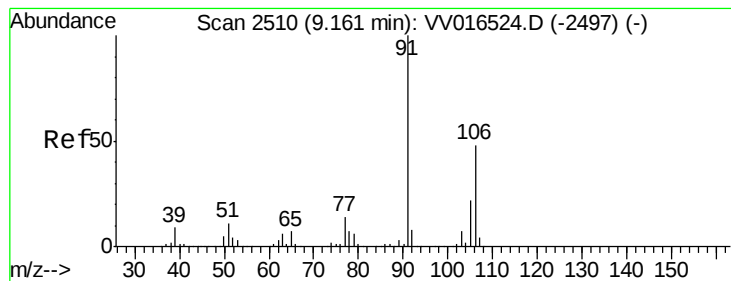
Tot Ion: 43 Resp: 5082
Ion Ratio Lower Upper
43 100
58 22.3 29.9 44.9#
100 0.0 11.9 17.9#



#48
2-Hexanone
Concen: 3.963 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV016535.D
Acq: 05 Jun 2020 14:55

Tgt Ion: 43 Resp: 12335
Ion Ratio Lower Upper
43 100
58 52.6 42.7 64.1
57 20.4 14.5 21.7
100 11.7 9.4 14.2





#53

m,p-Xylene

Concen: 1326.665 ug/L

RT: 9.17 min Scan# 2513

Delta R.T. 0.01 min

Lab File: VV016535.D

Acq: 05 Jun 2020 14:55

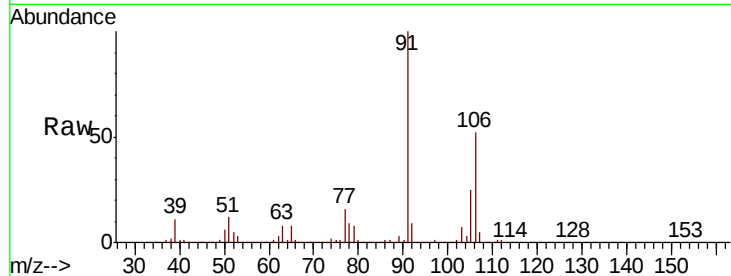
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 6441130

Ion Ratio Lower Upper

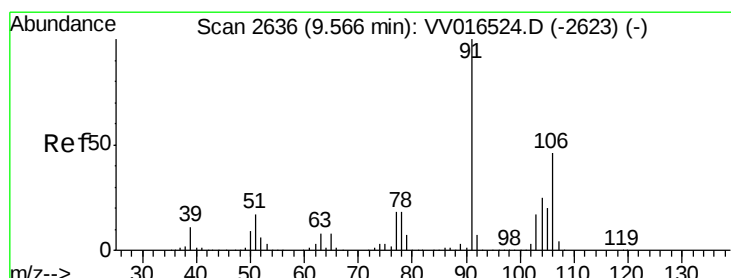
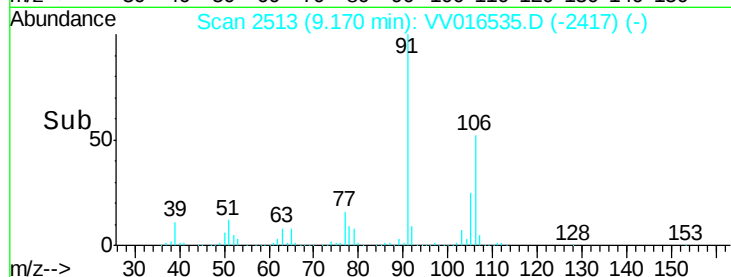
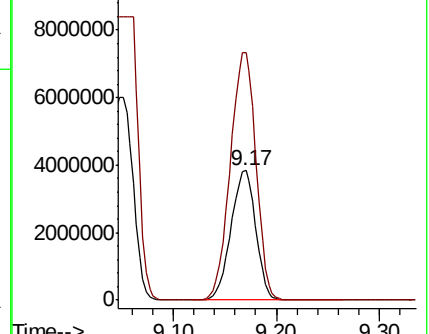
106 100

91 191.1 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 1196.024 ug/L

RT: 9.57 min Scan# 2638

Delta R.T. 0.01 min

Lab File: VV016535.D

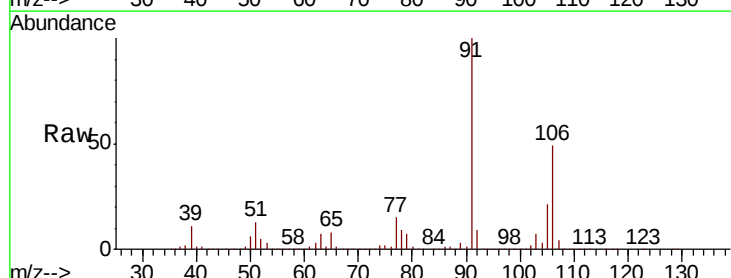
Acq: 05 Jun 2020 14:55

Tgt Ion:106 Resp: 5623864

Ion Ratio Lower Upper

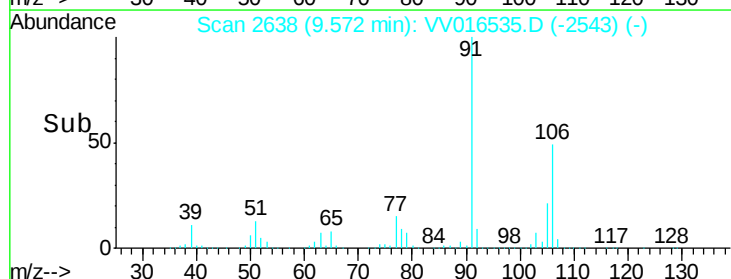
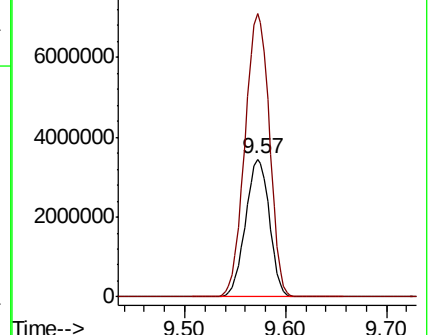
106 100

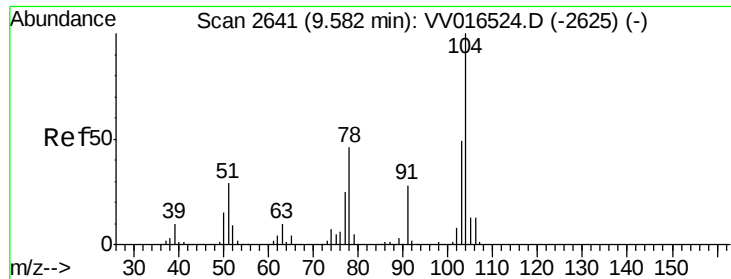
91 205.5 152.5 283.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 58.245 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV016535.D

Acq: 05 Jun 2020 14:55

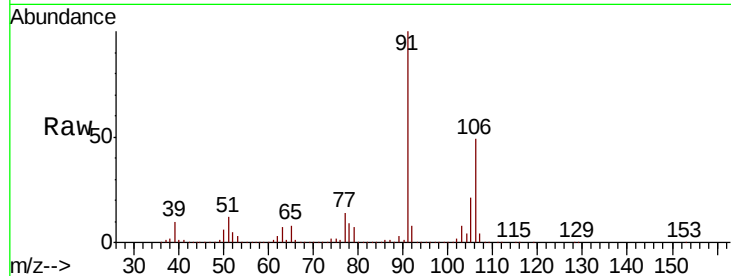
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:104 Resp: 479786

Ion Ratio Lower Upper

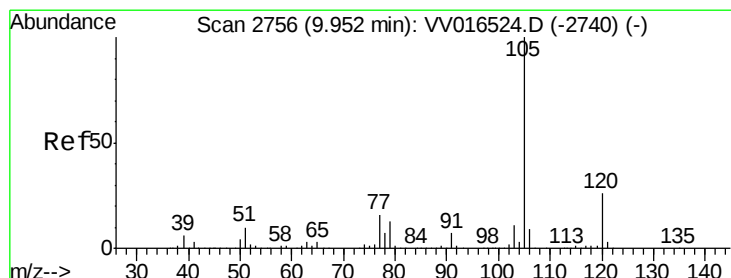
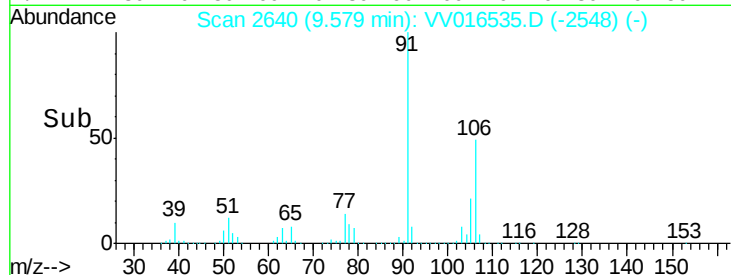
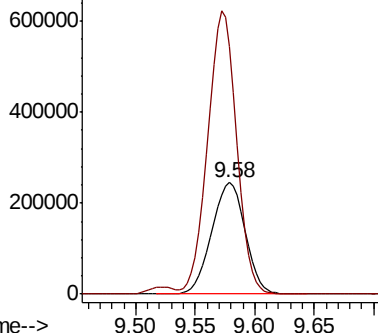
104 100

78 221.6 31.9 59.3#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 68.100 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV016535.D

Acq: 05 Jun 2020 14:55

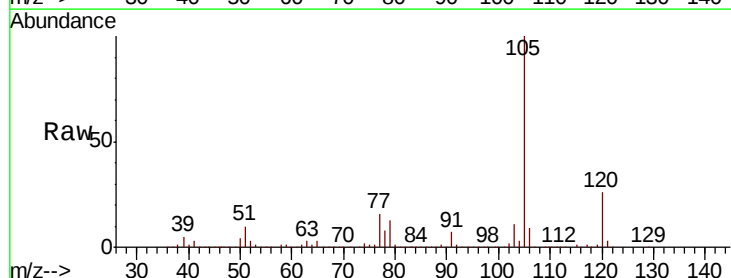
Tgt Ion:105 Resp: 831758

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.6

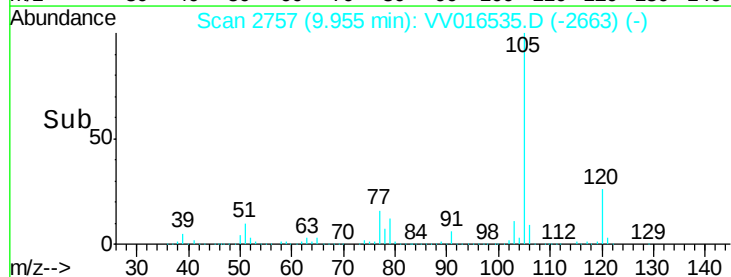
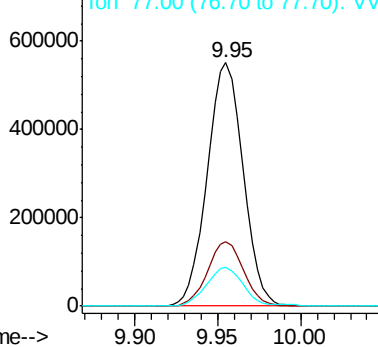
77 16.1 13.0 19.4

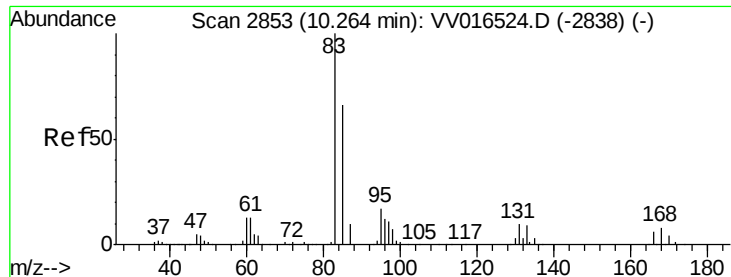


Abundance Ion 105.00 (104.70 to 105.70): V

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: 2.949 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. -0.02 min

Lab File: VV016535.D

Acq: 05 Jun 2020 14:55

Instrument :

MSVOA_V

ClientSampleId :

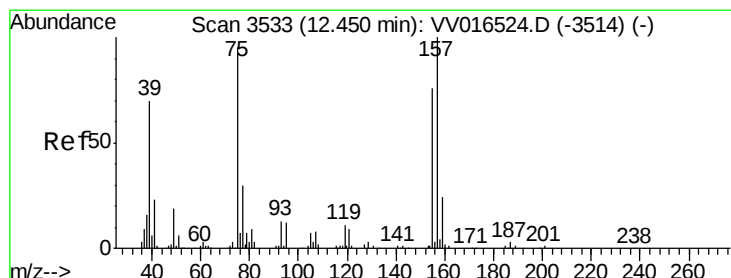
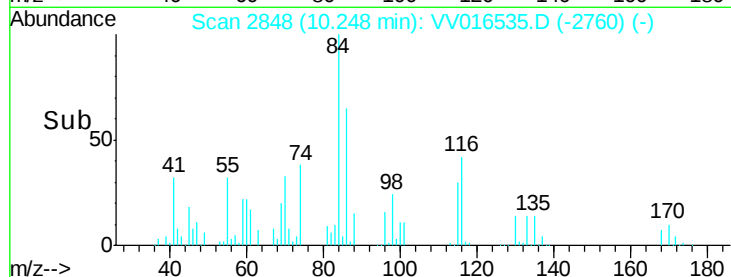
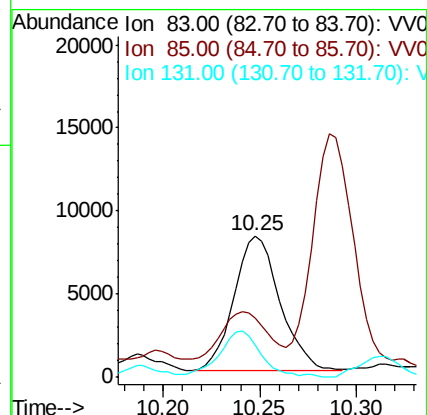
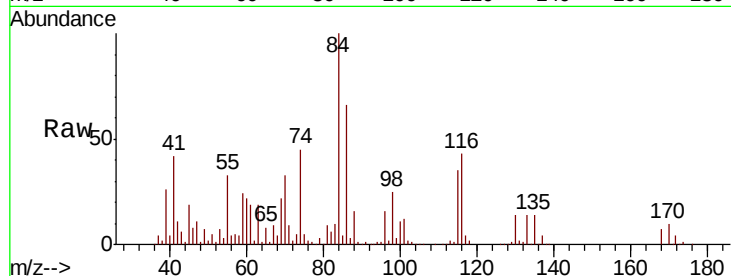
Tot Ion: 83 Resp: 13310

Ion Ratio Lower Upper

83 100

85 42.2 44.0 81.6#

131 22.8 7.6 11.4#



#66

1,2-Dibromo-3-chloropropane

Concen: 2.125 ug/L

RT: 12.28 min Scan# 3479

Delta R.T. -0.17 min

Lab File: VV016535.D

Acq: 05 Jun 2020 14:55

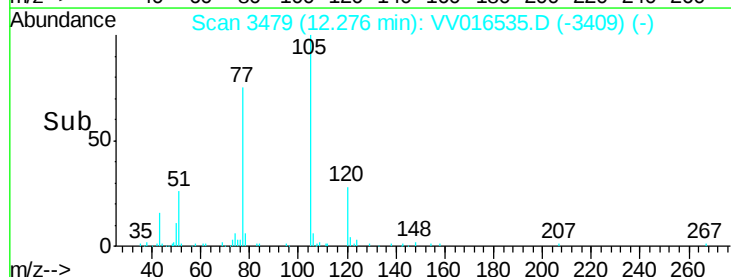
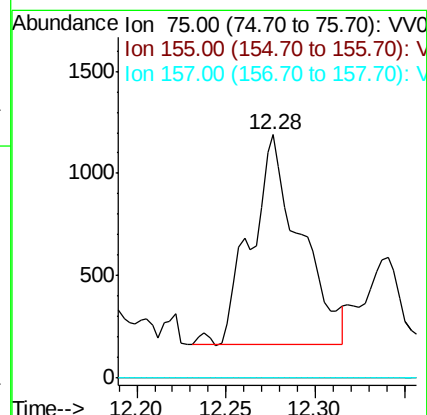
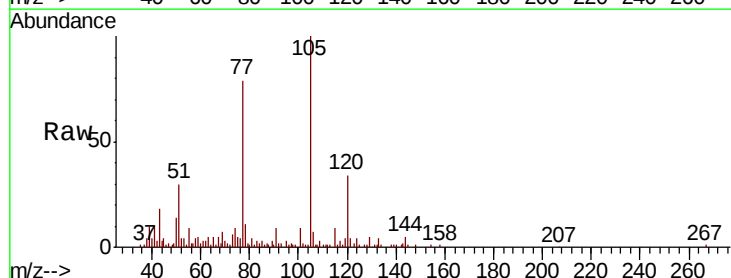
Tgt Ion: 75 Resp: 1974

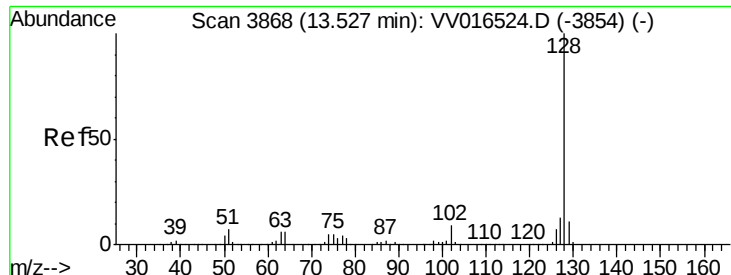
Ion Ratio Lower Upper

75 100

155 0.0 66.2 99.2#

157 0.0 83.0 124.4#





#69

Naphthalene

Concen: 225.264 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV016535.D

Acq: 05 Jun 2020 14:55

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 2618450

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

129 10.9 8.7 13.1

