

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060520\
 Data File : VV016564.D
 Acq On : 06 Jun 2020 03:16
 Operator : SY/MD
 Sample : L2862-10
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 06 06:32:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 06 06:28:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	373747	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	357697	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	184213	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	120165	45.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.78%
7) Chloroethane-d5	1.56	69	87096	45.57	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.14%
11) 1,1-Dichloroethene-d2	2.12	63	165483	35.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.52%
21) 2-Butanone-d5	3.89	46	199783	118.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.03%
24) Chloroform-d	4.37	84	248976	50.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.24%
26) 1,2-Dichloroethane-d4	5.06	65	179188	53.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.72%
32) Benzene-d6	5.08	84	511099	53.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.68%
36) 1,2-Dichloropropane-d6	6.09	67	156732	52.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.00%
41) Toluene-d8	7.34	98	463320	53.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.48%
43) trans-1,3-Dichloropropene-	7.64	79	74364	51.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.22%
47) 2-Hexanone-d5	8.11	63	153431	120.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.00%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	214571	52.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.98%
64) 1,2-Dichlorobenzene-d4	11.65	152	196675	56.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.62%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	1768	0.820	ug/L #	22
13) Acetone	2.17	43	7390	4.671	ug/L	91
15) Methyl Acetate	2.45	43	4315	1.484	ug/L #	57
27) 1,2-Dichloroethane	5.14	62	509733	123.611	ug/L #	76
29) Cyclohexane	4.70	56	185987	43.809	ug/L	100
35) Methylcyclohexane	6.15	83	13518	3.412	ug/L	89
37) 1,2-Dichloropropane	6.20	63	2681	0.978	ug/L #	95
40) 4-Methyl-2-pentanone	7.24	43	12822	3.398	ug/L #	64
42) Toluene	7.41	91	518875	46.547	ug/L	99
52) Ethylbenzene	9.03	91	2594062	213.811	ug/L	100
53) m,p-Xylene	9.16	106	132366	28.934	ug/L	99
54) o-xylene	9.57	106	76254	17.211	ug/L	98
56) Isopropylbenzene	9.95	105	56512	4.910	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.14	75	1540	1.766	ug/L #	3
69) Naphthalene	13.53	128	99706	9.138	ug/L	98

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QLast Update : Sat Jun 06 06:28:49 2020
Response via : Initial Calibration

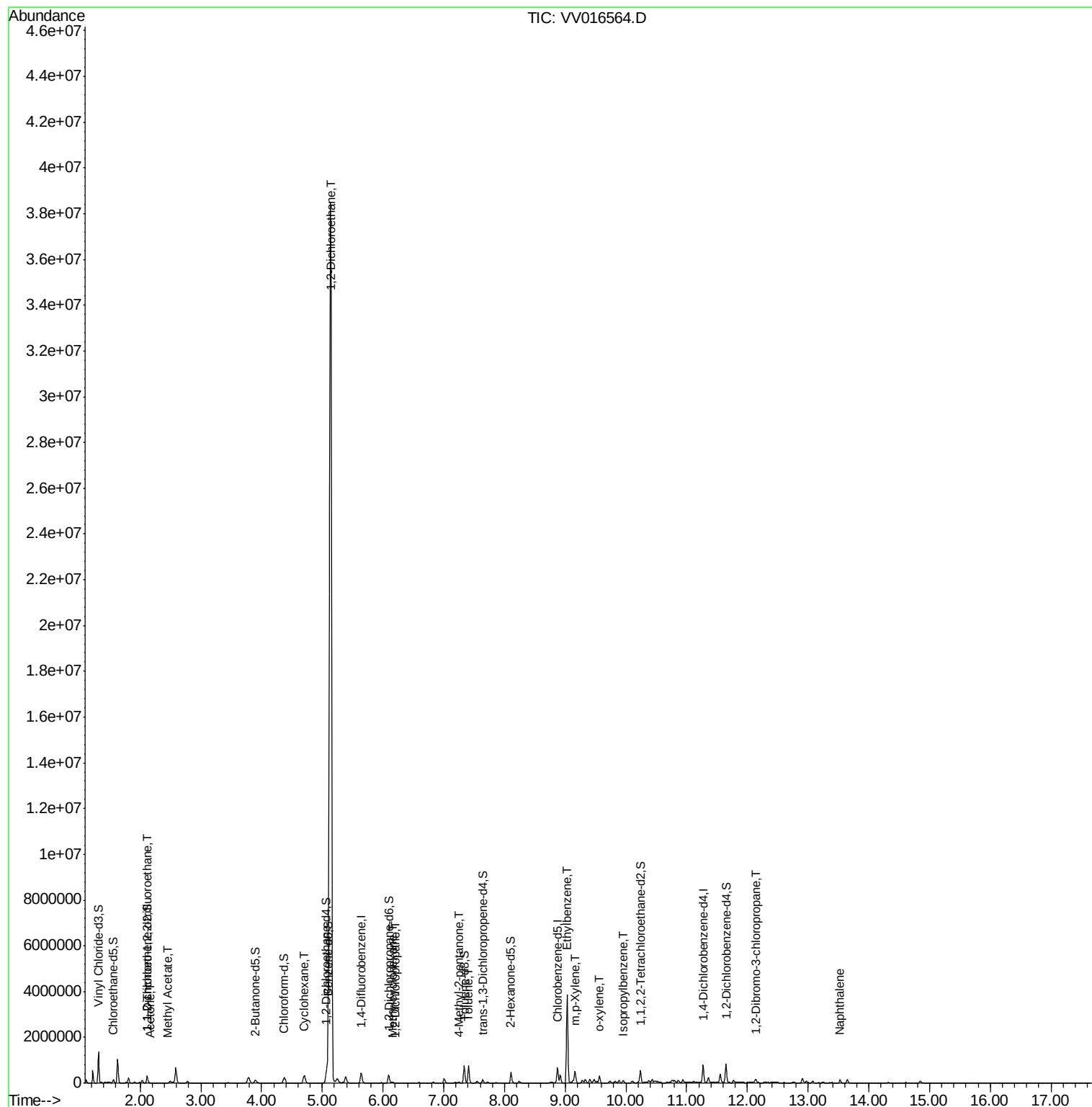
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

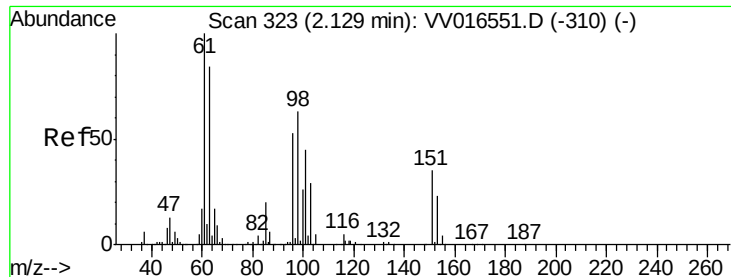
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#10

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

Concen: 0.820 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.02 min

Lab File: VV016564.D

Acq: 06 Jun 2020 03:16

Instrument :

MSVOA_V

ClientSampled :

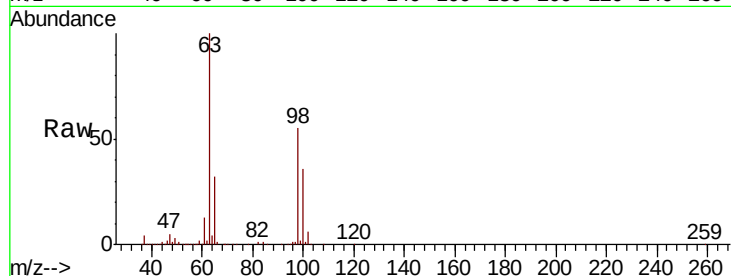
Tot Ion:101 Resp: 1768

Ion Ratio Lower Upper

101 100

85 3.9 35.6 53.4#

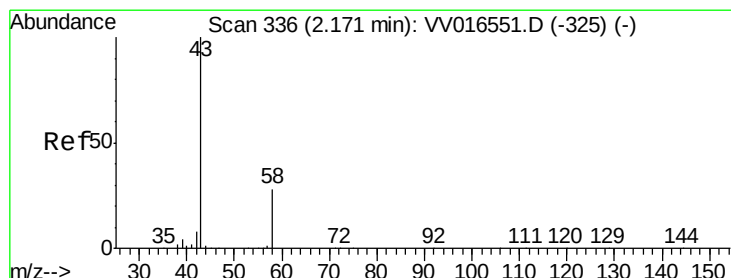
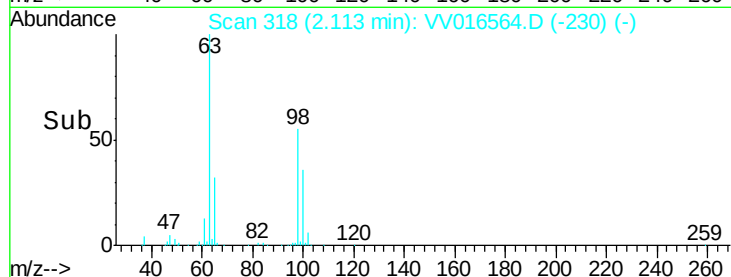
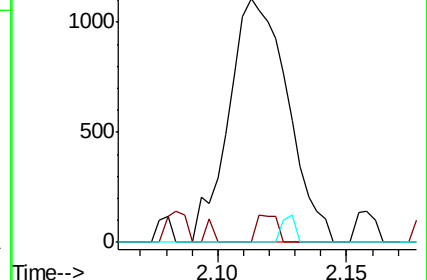
151 2.4 61.8 92.8#



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: 4.671 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV016564.D

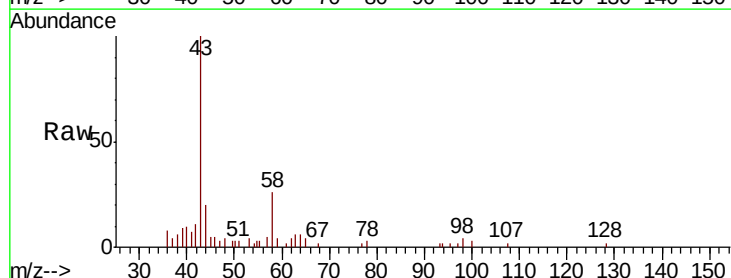
Acq: 06 Jun 2020 03:16

Tgt Ion: 43 Resp: 7390

Ion Ratio Lower Upper

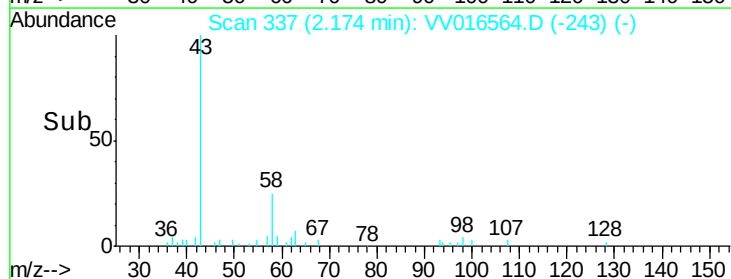
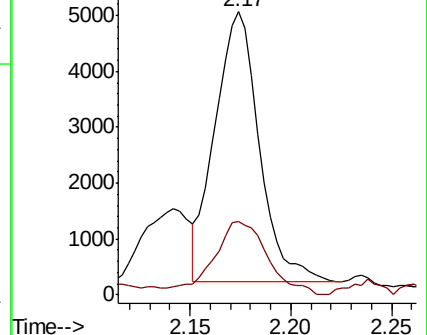
43 100

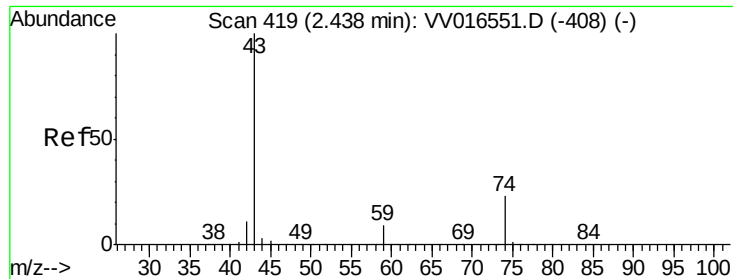
58 33.3 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#15

Methvl Acetate

Concen: 1.484 ug/L

RT: 2.45 min Scan# 422

Delta R.T. 0.01 min

Lab File: VV016564.D

Acq: 06 Jun 2020 03:16

Instrument :

MSVOA_V

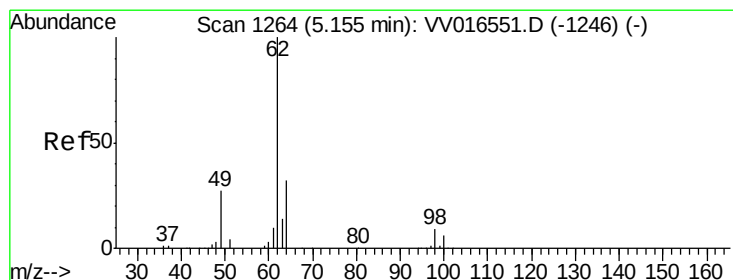
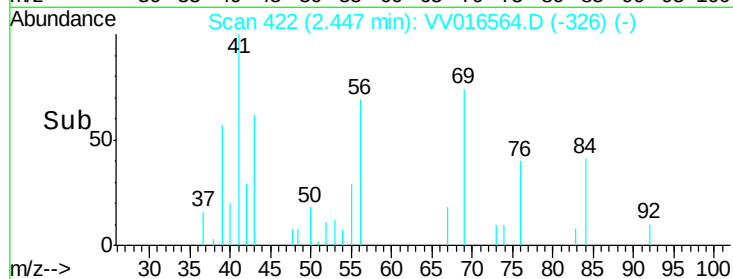
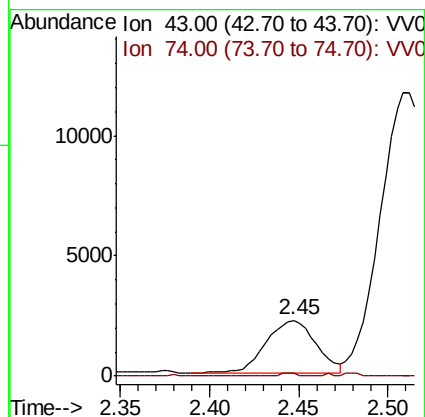
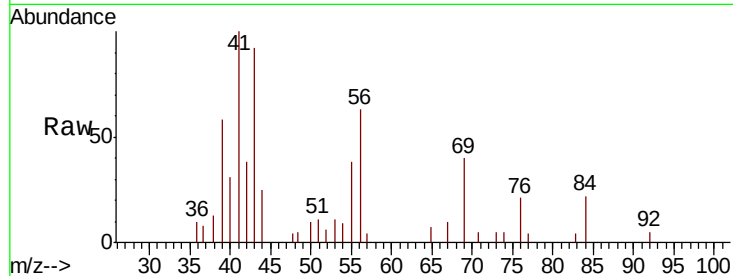
ClientSampleId :

Tot Ion: 43 Resp: 4315

Ion Ratio Lower Upper

43 100

74 1.9 18.1 27.1#



#27

1,2-Dichloroethane

Concen: 123.611 ug/L

RT: 5.14 min Scan# 1259

Delta R.T. -0.02 min

Lab File: VV016564.D

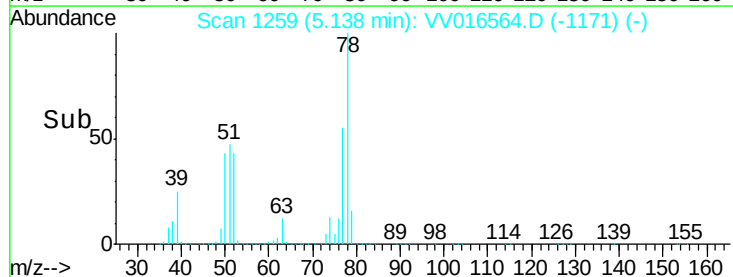
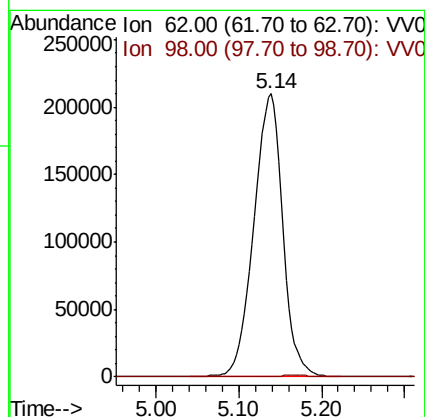
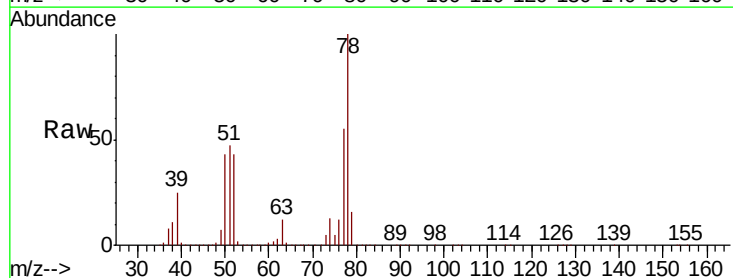
Acq: 06 Jun 2020 03:16

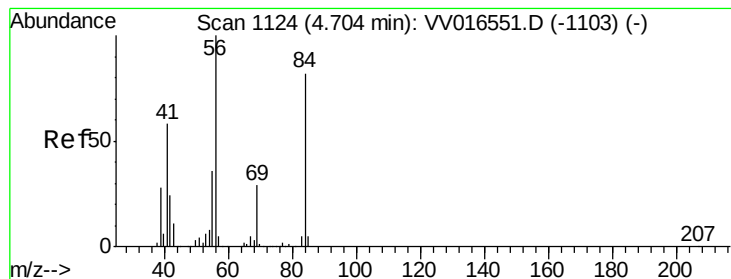
Tgt Ion: 62 Resp: 509733

Ion Ratio Lower Upper

62 100

98 0.1 6.9 10.3#





#29

Cyclohexane

Concen: 43.809 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV016564.D

Acq: 06 Jun 2020 03:16

Instrument :
MSVOA_V
ClientSampleId :

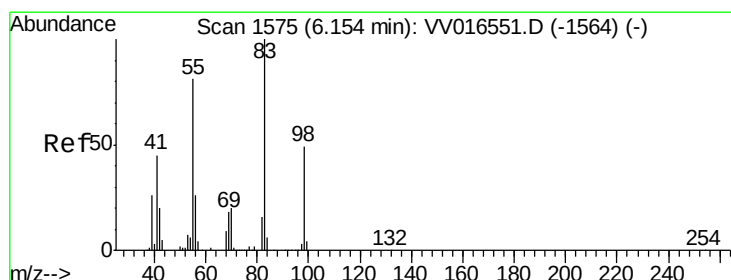
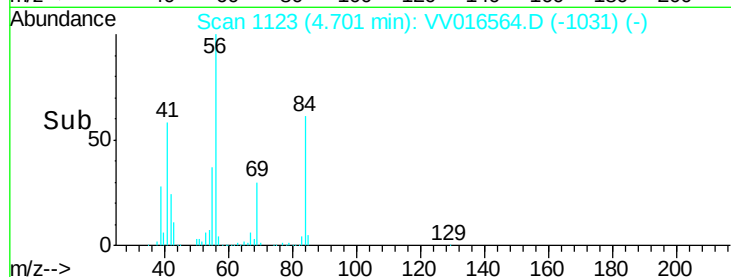
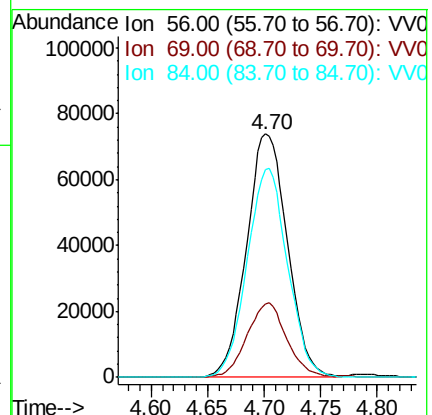
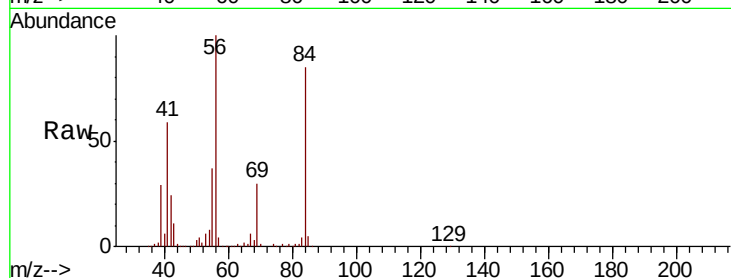
Tot Ion: 56 Resp: 185987

Ion Ratio Lower Upper

56 100

69 29.8 23.9 35.9

84 84.7 68.2 102.2



#35

Methylcyclohexane

Concen: 3.412 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV016564.D

Acq: 06 Jun 2020 03:16

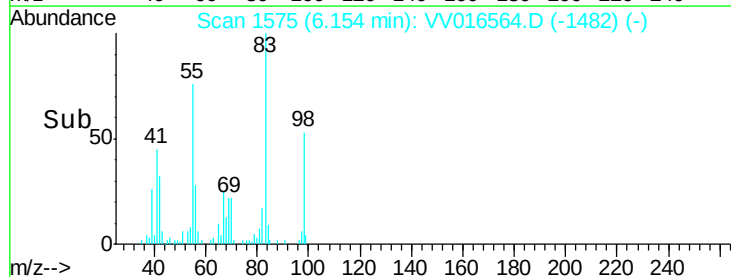
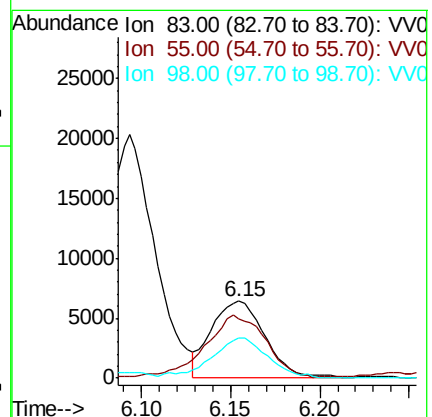
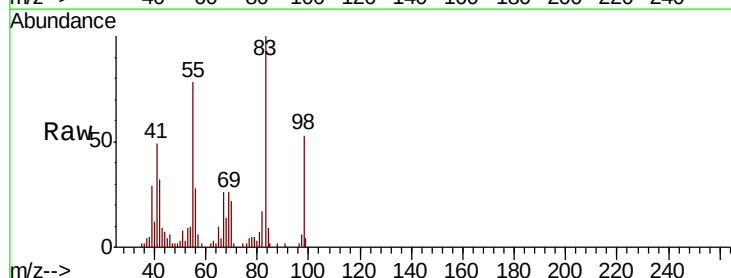
Tgt Ion: 83 Resp: 13518

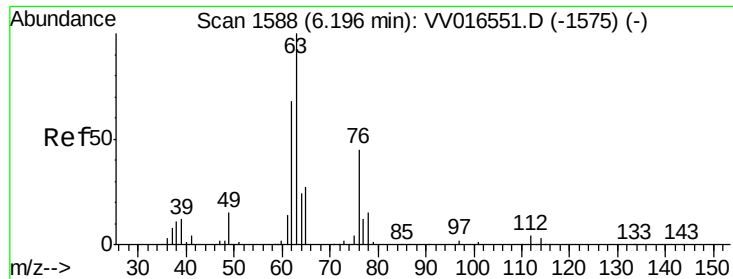
Ion Ratio Lower Upper

83 100

55 92.5 63.4 95.0

98 46.7 39.4 59.0

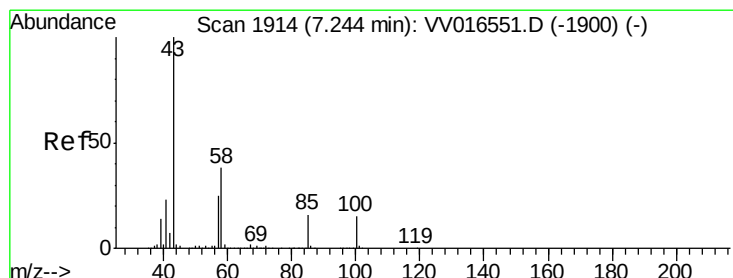
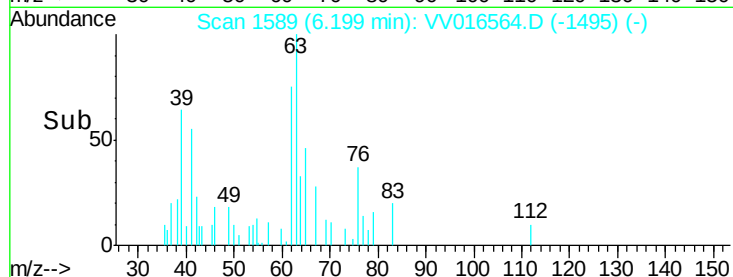
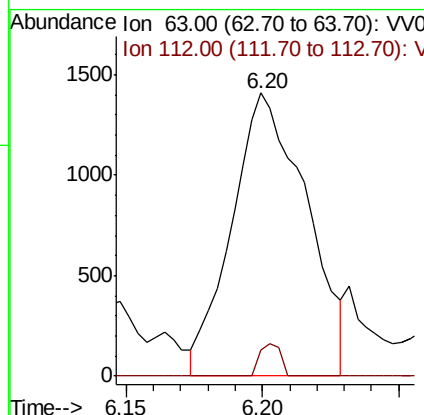
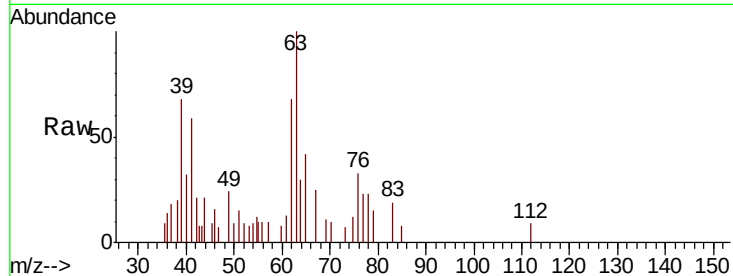




#37
 1,2-Dichloropropane
 Concen: 0.978 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV016564.D
 Acq: 06 Jun 2020 03:16

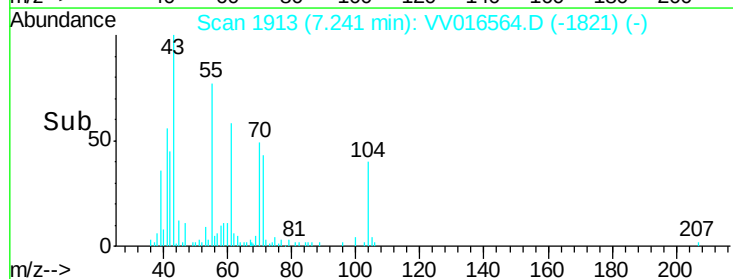
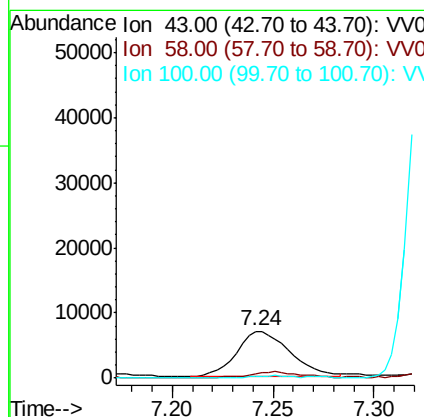
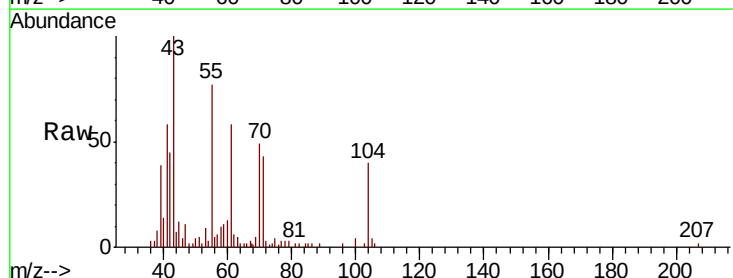
Instrument :
 MSVOA_V
 ClientSampleId :

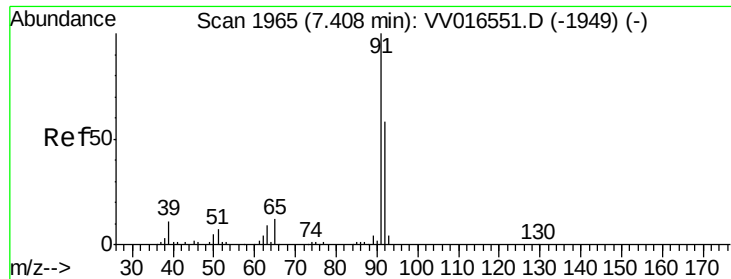
Tot Ion: 63 Resp: 2681
 Ion Ratio Lower Upper
 63 100
 112 3.1 3.9 5.9#



#40
 4-Methyl-2-pentanone
 Concen: 3.398 ug/L
 RT: 7.24 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VV016564.D
 Acq: 06 Jun 2020 03:16

Tgt Ion: 43 Resp: 12822
 Ion Ratio Lower Upper
 43 100
 58 14.0 29.9 44.9#
 100 3.3 11.9 17.9#





#42

Toluene

Concen: 46.547 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016564.D

Acq: 06 Jun 2020 03:16

Instrument :

MSVOA_V

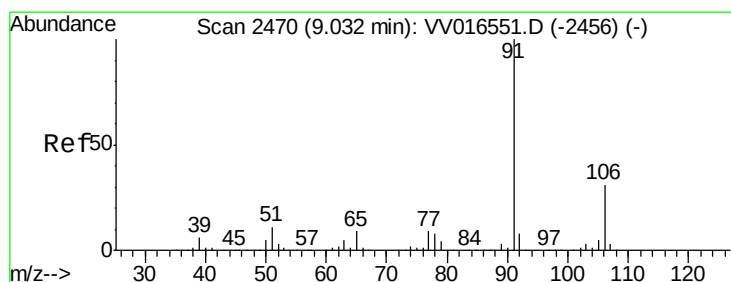
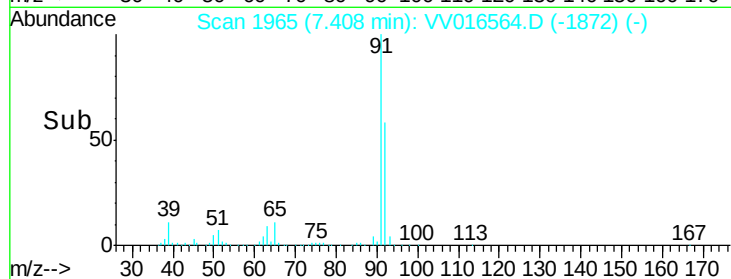
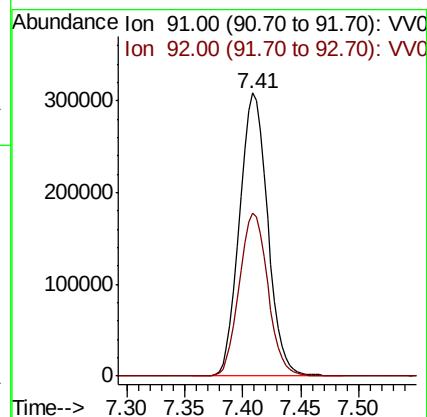
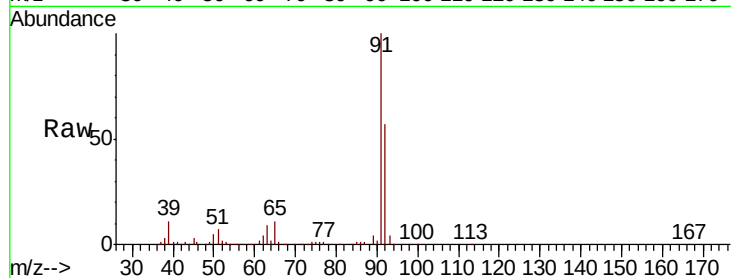
ClientSampleId :

Tot Ion: 91 Resp: 518875

Ion Ratio Lower Upper

91 100

92 57.5 40.9 75.9



#52

Ethylbenzene

Concen: 213.811 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016564.D

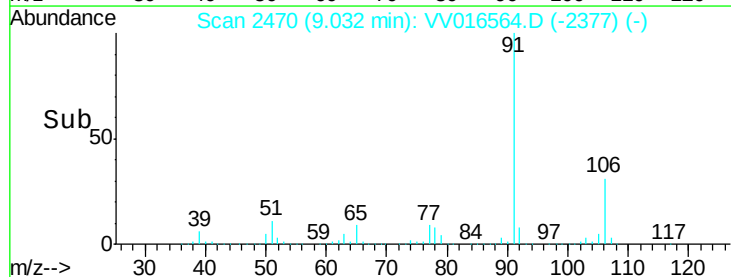
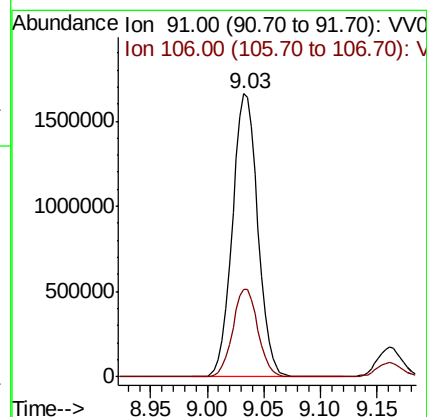
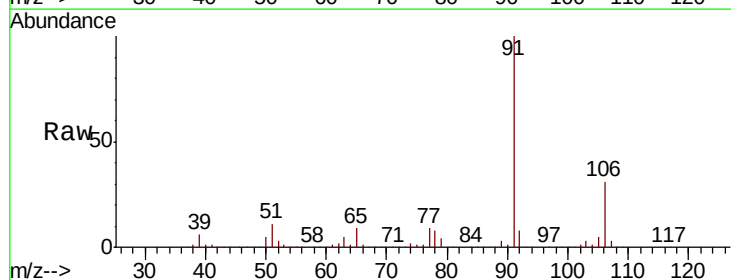
Acq: 06 Jun 2020 03:16

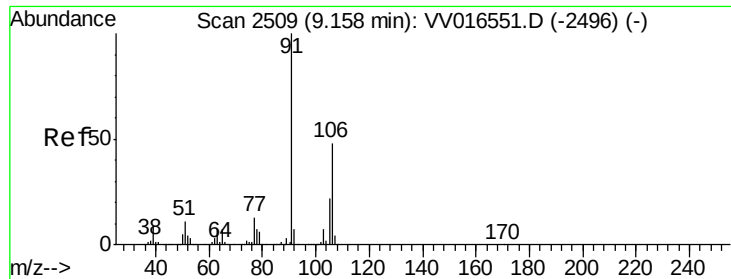
Tgt Ion: 91 Resp: 2594062

Ion Ratio Lower Upper

91 100

106 31.1 21.8 40.4





#53

m,p-Xylene

Concen: 28.934 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016564.D

Acq: 06 Jun 2020 03:16

Instrument :

MSVOA_V

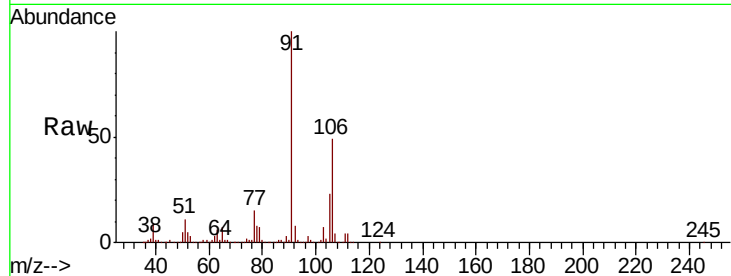
ClientSampleId :

Tot Ion:106 Resp: 132366

Ion Ratio Lower Upper

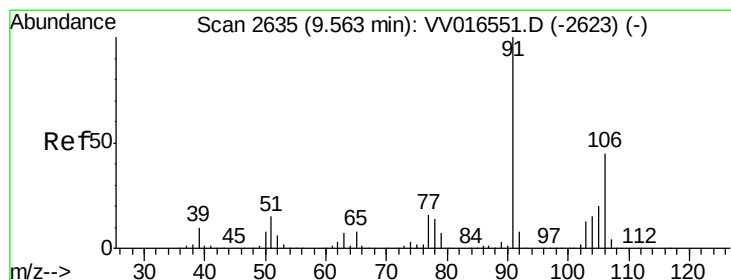
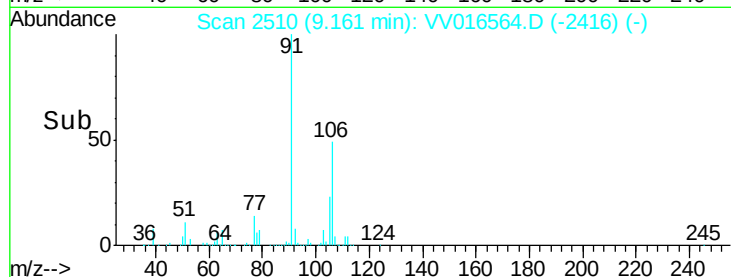
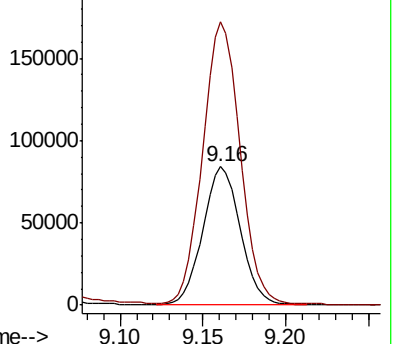
106 100

91 204.3 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 17.211 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016564.D

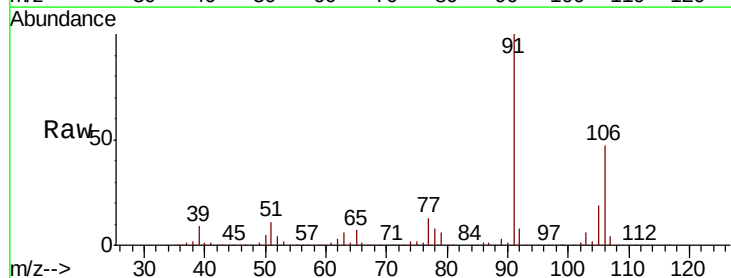
Acq: 06 Jun 2020 03:16

Tgt Ion:106 Resp: 76254

Ion Ratio Lower Upper

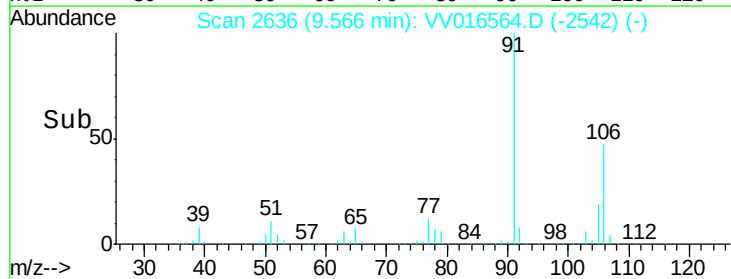
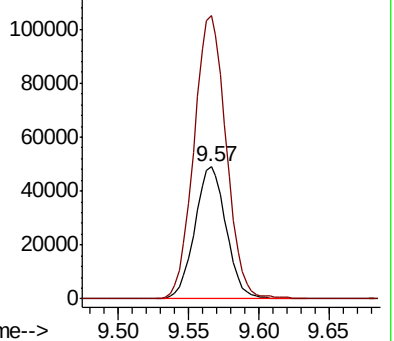
106 100

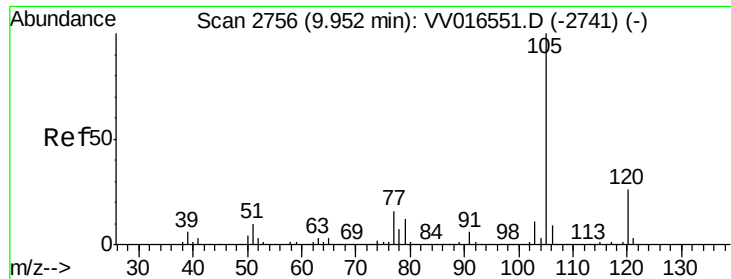
91 214.3 152.5 283.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

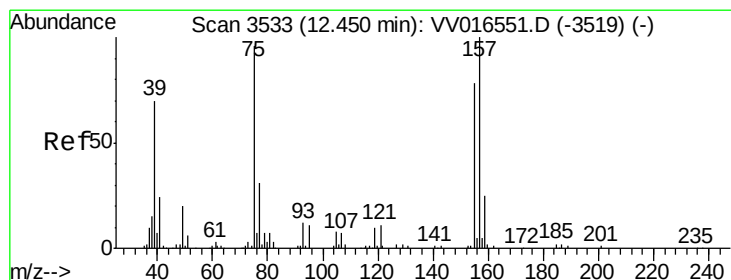
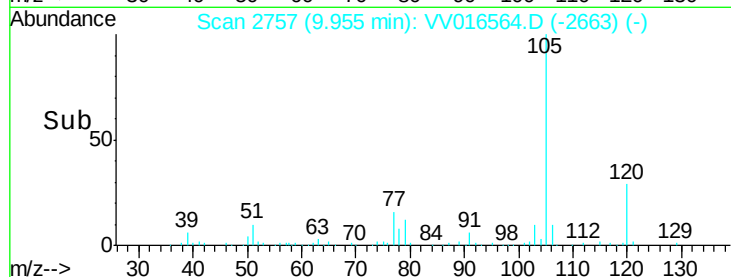
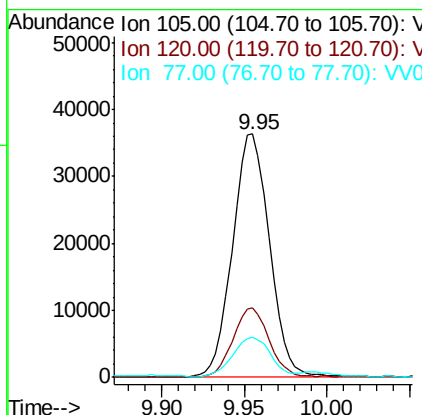
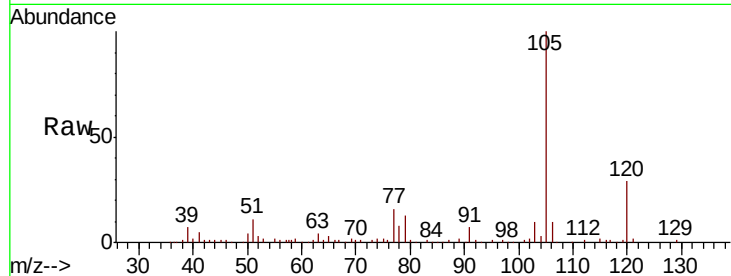




#56
Isopropylbenzene
Concen: 4.910 ug/L
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VV016564.D
Acq: 06 Jun 2020 03:16

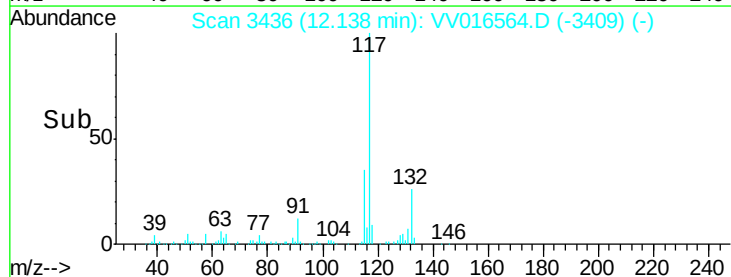
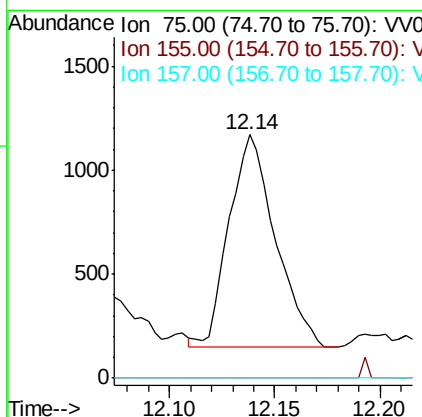
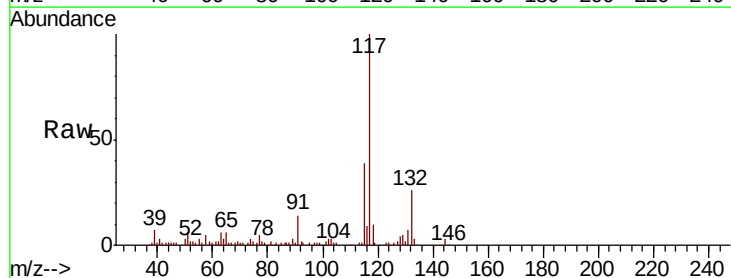
Instrument :
MSVOA_V
ClientSampled :

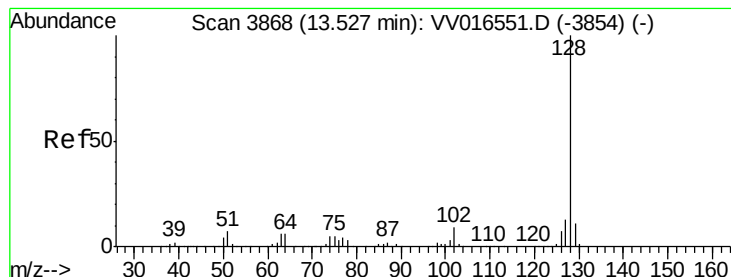
Tot Ion	Ratio	Lower	Upper
105	100		
120	27.7	21.0	31.6
77	17.1	13.0	19.4



#66
1,2-Dibromo-3-chloropropane
Concen: 1.766 ug/L
RT: 12.14 min Scan# 3436
Delta R.T. -0.31 min
Lab File: VV016564.D
Acq: 06 Jun 2020 03:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	66.2	99.2#
157	0.0	83.0	124.4#





#69

Naphthalene

Concen: 9.138 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV016564.D

Acq: 06 Jun 2020 03:16

Instrument :

MSVOA_V

ClientSampleId :

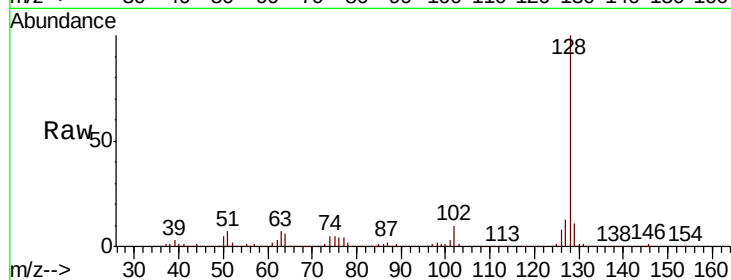
Tot Ion:128 Resp: 99706

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 12.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

