

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061220\
 Data File : VV016907.D
 Acq On : 13 Jun 2020 03:18
 Operator : SY/MD
 Sample : L2990-09
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E3YG5

Quant Time: Jun 13 06:16:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 13 06:09:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	352401	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	333893	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	165917	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	102961	41.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.82%
7) Chloroethane-d5	1.57	69	57186	38.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.66%
11) 1,1-Dichloroethene-d2	2.12	63	144978	34.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.44%
21) 2-Butanone-d5	3.90	46	174013	94.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.55%
24) Chloroform-d	4.37	84	224961	44.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.98%
26) 1,2-Dichloroethane-d4	5.05	65	164685	47.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.76%
32) Benzene-d6	5.07	84	436173	45.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.64%
36) 1,2-Dichloropropane-d6	6.09	67	135237	45.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.16%
41) Toluene-d8	7.34	98	411656	46.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.22%
43) trans-1,3-Dichloropropene-	7.64	79	71160	45.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.08%
47) 2-Hexanone-d5	8.11	63	120806	92.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.36%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	176428	44.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.84%
64) 1,2-Dichlorobenzene-d4	11.65	152	167633	47.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.58	64	2338	1.884	ug/L	86
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1295	0.691	ug/L #	19
12) 1,1-Dichloroethene	2.12	96	1696	0.970	ug/L #	1
13) Acetone	2.18	43	1811	1.493	ug/L	82
19) 1,1-Dichloroethane	3.21	63	30766	6.854	ug/L	96
29) Cyclohexane	4.70	56	32251	7.773	ug/L	92
35) Methylcyclohexane	6.15	83	243642	58.617	ug/L	93
40) 4-Methyl-2-pentanone	7.29	43	7904	2.171	ug/L #	47
42) Toluene	7.41	91	79650	7.648	ug/L	99
48) 2-Hexanone	8.11	43	18613	6.594	ug/L #	62
52) Ethylbenzene	9.04	91	5235628	453.885	ug/L	98
54) o-xylene	9.57	106	21914	5.173	ug/L	98
56) Isopropylbenzene	9.95	105	507327	44.574	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.49	75	1539	1.858	ug/L #	2
69) Naphthalene	13.53	128	175484	16.973	ug/L	99

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QLast Update : Sat Jun 13 06:09:05 2020
Response via : Initial Calibration

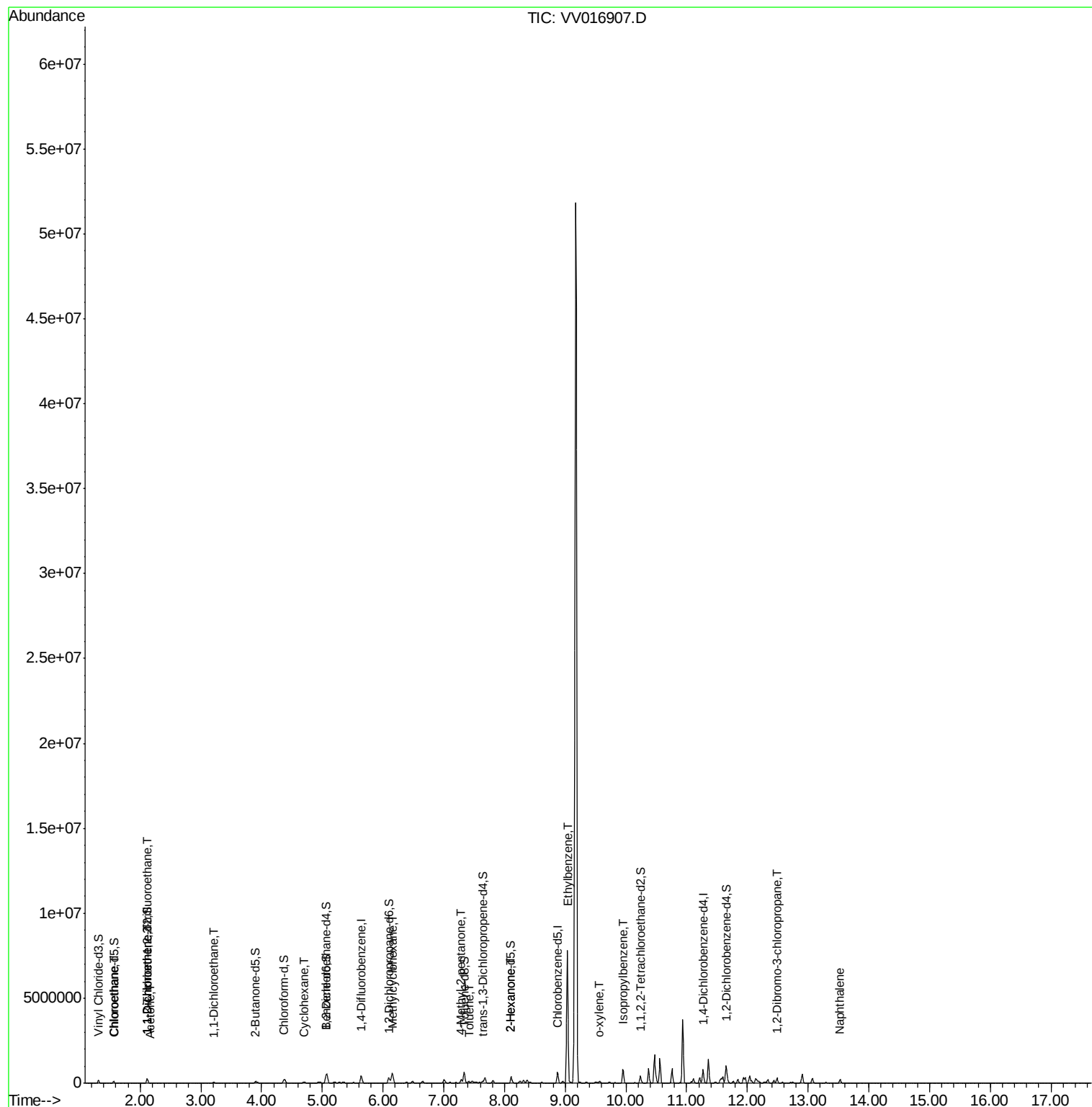
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

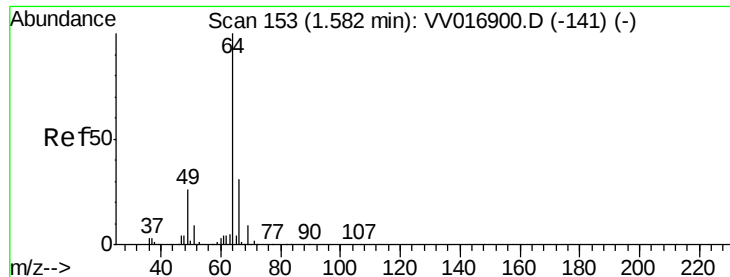
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#8

Chloroethane

Concen: 1.884 ug/L

RT: 1.58 min Scan# 153

Delta R.T. 0.00 min

Lab File: VV016907.D

Acq: 13 Jun 2020 03:18

Instrument :

MSVOA_V

ClientSampled :

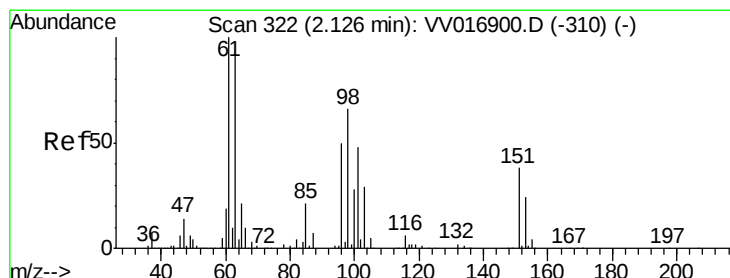
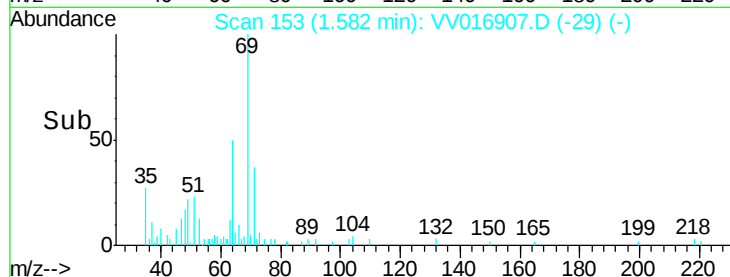
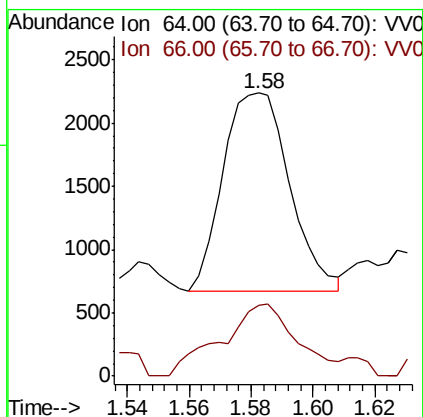
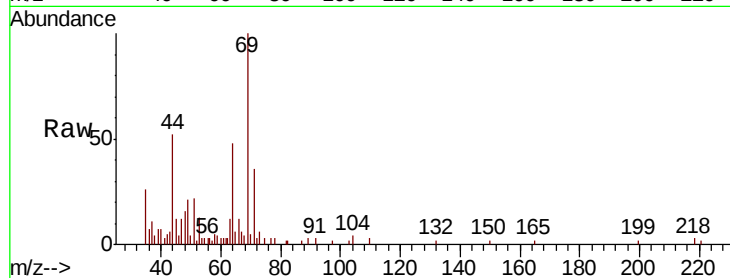
E3YG5

Tot Ion: 64 Resp: 2338

Ion Ratio Lower Upper

64 100

66 25.0 23.2 43.0



#10

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

Concen: 0.691 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016907.D

Acq: 13 Jun 2020 03:18

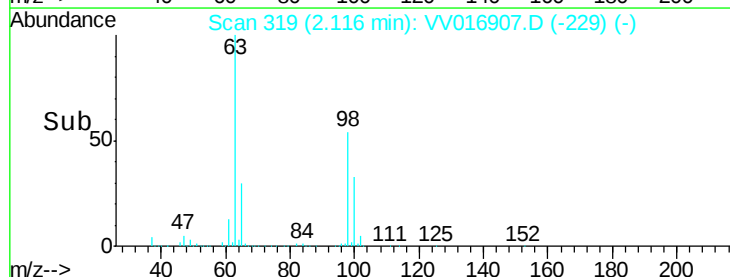
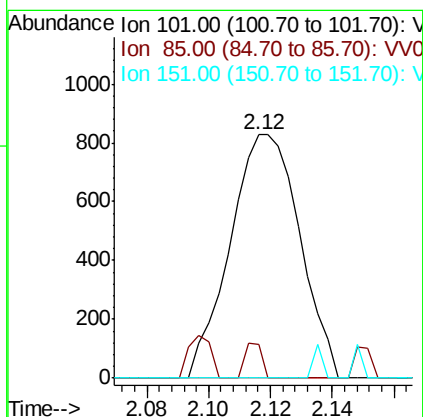
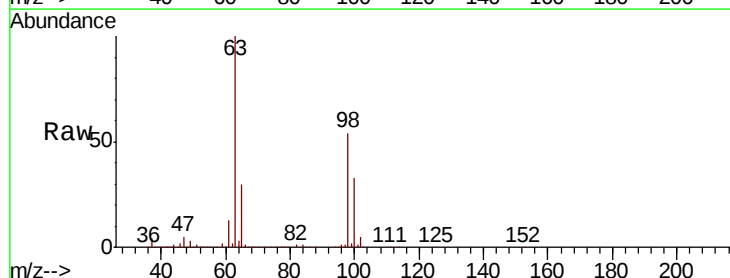
Tgt Ion: 101 Resp: 1295

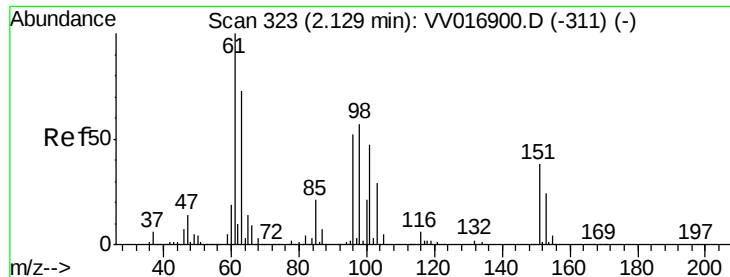
Ion Ratio Lower Upper

101 100

85 3.5 35.5 53.3#

151 0.0 63.9 95.9#





#12

1,1-Dichloroethene

Concen: 0.970 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV016907.D

Acq: 13 Jun 2020 03:18

Instrument :
MSVOA_V
ClientSampleId :
E3YG5

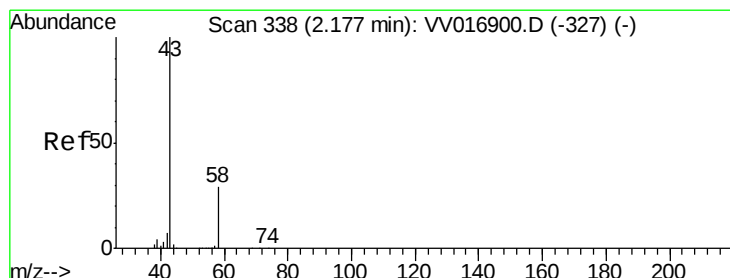
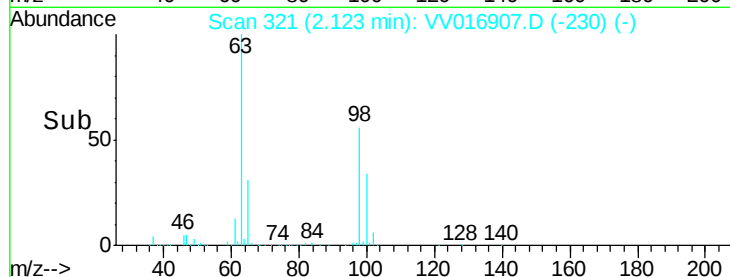
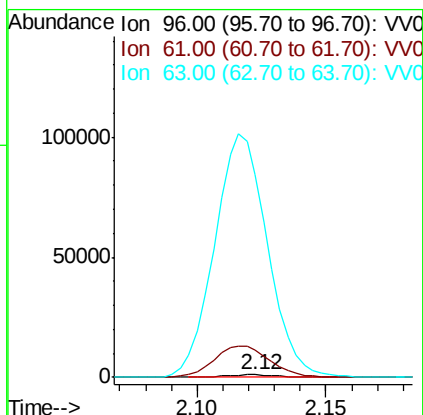
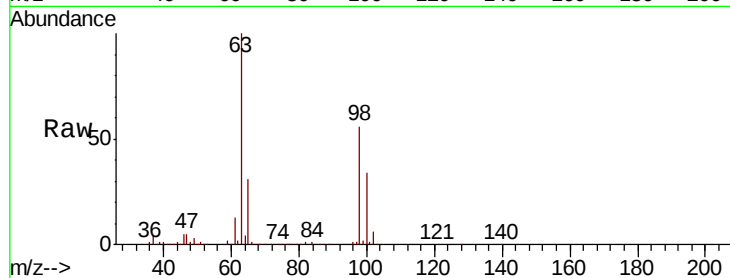
Tot Ion: 96 Resp: 1696

Ion Ratio Lower Upper

96 100

61 1097.1 130.4 242.2#

63 8171.7 103.3 191.9#



#13

Acetone

Concen: 1.493 ug/L

RT: 2.18 min Scan# 338

Delta R.T. 0.00 min

Lab File: VV016907.D

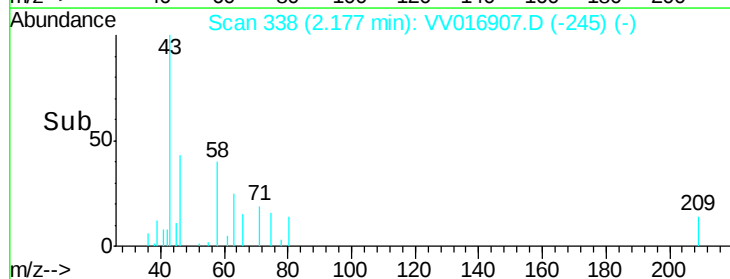
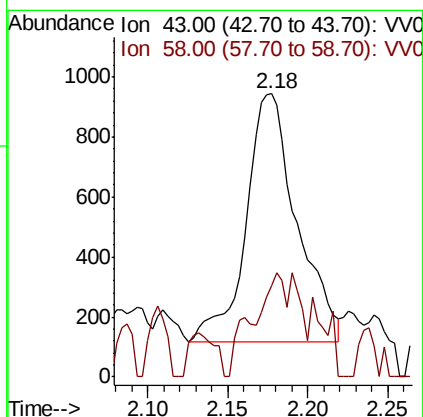
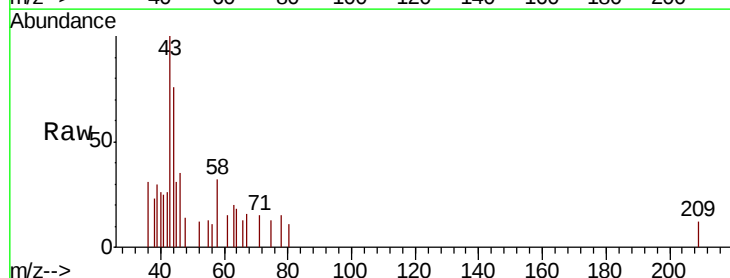
Acq: 13 Jun 2020 03:18

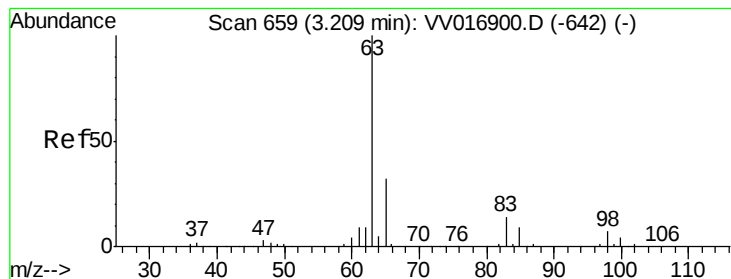
Tgt Ion: 43 Resp: 1811

Ion Ratio Lower Upper

43 100

58 18.0 0.0 55.2





#19

1,1-Dichloroethane

Concen: 6.854 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV016907.D

Acq: 13 Jun 2020 03:18

Instrument :

MSVOA_V

ClientSampleId :

E3YG5

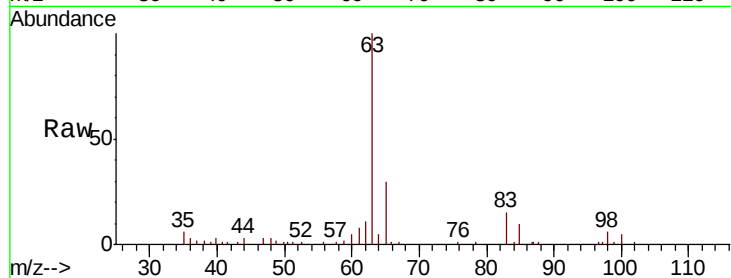
Tot Ion: 63 Resp: 30766

Ion Ratio Lower Upper

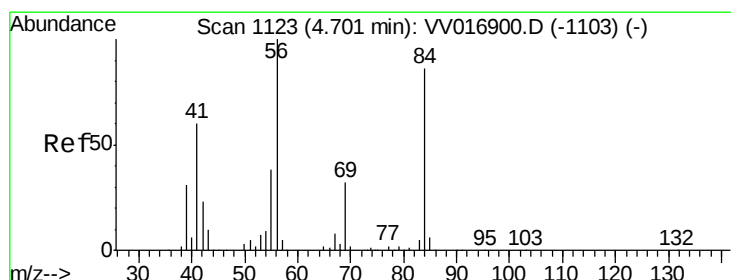
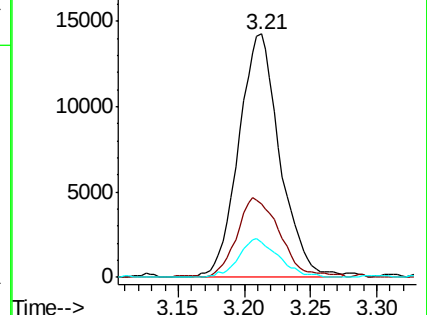
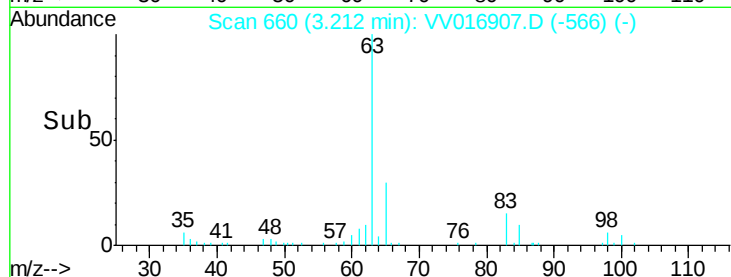
63 100

65 29.9 23.2 43.0

83 14.5 10.0 18.6



Abundance Ion 63.00 (62.70 to 63.70): VV016907.D (-566) (-)



#29

Cyclohexane

Concen: 7.773 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV016907.D

Acq: 13 Jun 2020 03:18

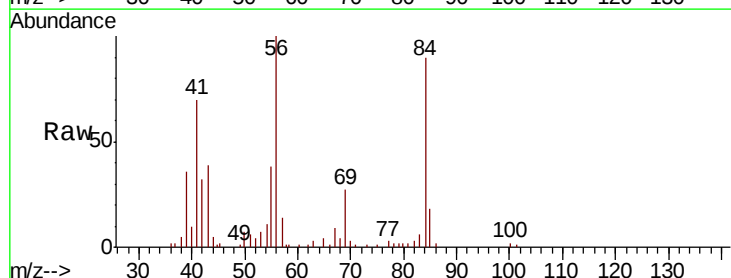
Tgt Ion: 56 Resp: 32251

Ion Ratio Lower Upper

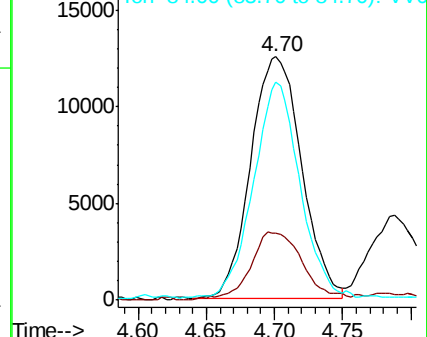
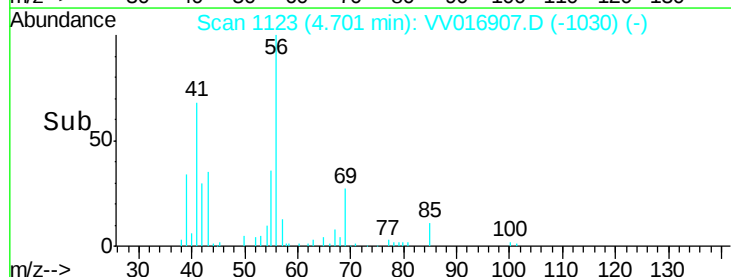
56 100

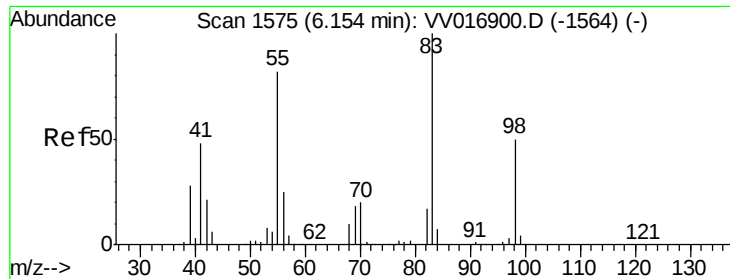
69 27.7 25.0 37.4

84 79.0 69.5 104.3



Abundance Ion 56.00 (55.70 to 56.70): VV016907.D (-1030) (-)

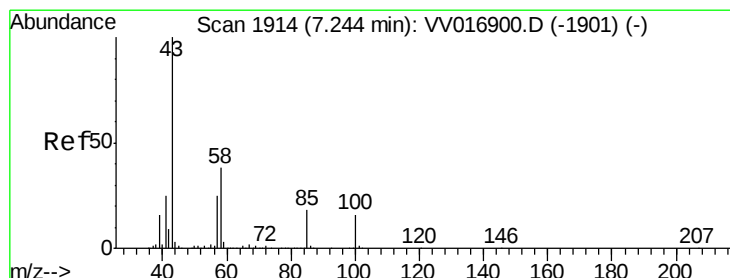
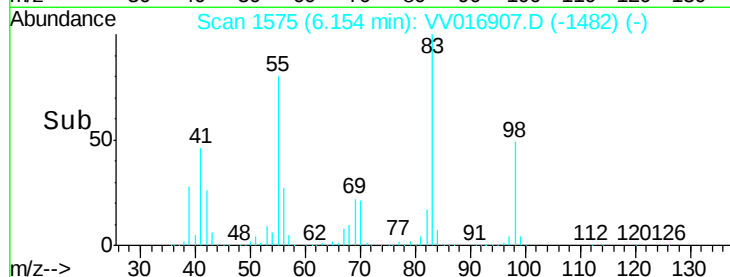
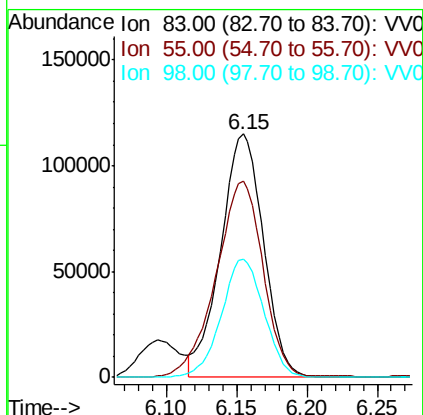
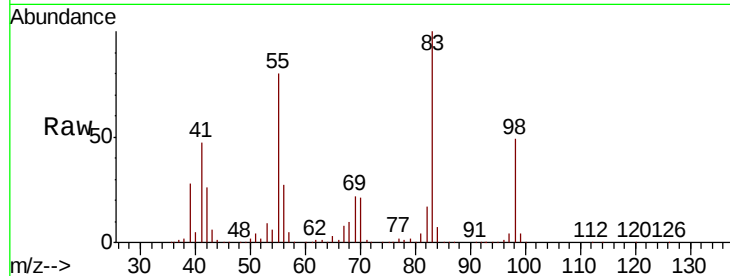




#35
Methylcyclohexane
Concen: 58.617 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV016907.D
Acq: 13 Jun 2020 03:18

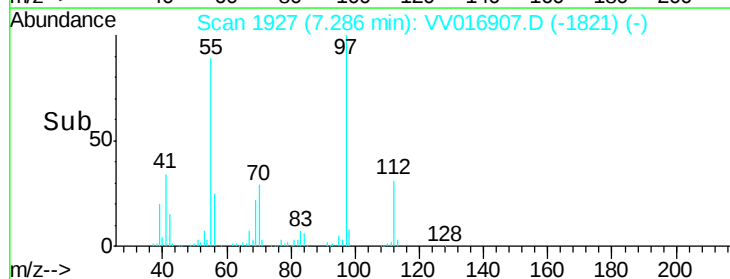
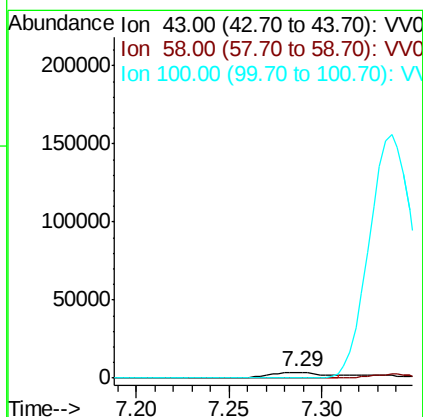
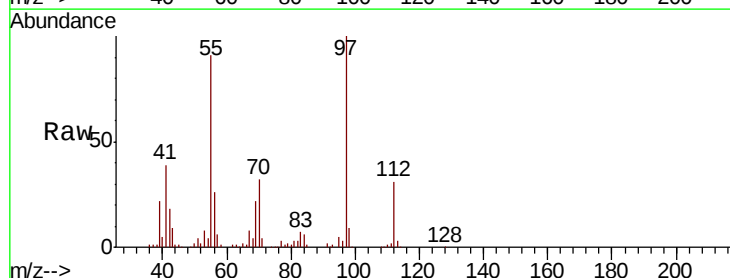
Instrument :
MSVOA_V
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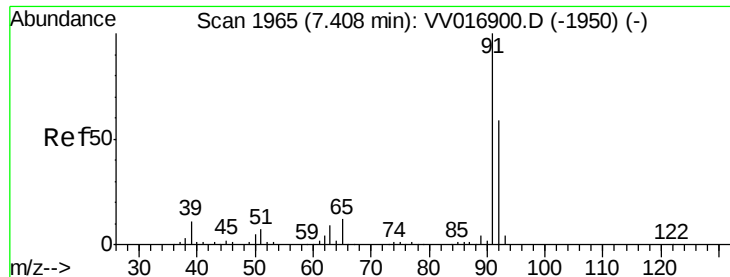
Tot Ion: 83 Resp: 243642
Ion Ratio Lower Upper
83 100
55 88.5 64.2 96.2
98 48.3 40.3 60.5



#40
4-Methyl-2-pentanone
Concen: 2.171 ug/L
RT: 7.29 min Scan# 1927
Delta R.T. 0.04 min
Lab File: VV016907.D
Acq: 13 Jun 2020 03:18

Tgt Ion: 43 Resp: 7904
Ion Ratio Lower Upper
43 100
58 2.2 30.2 45.4#
100 0.0 12.3 18.5#





#42

Toluene

Concen: 7.648 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016907.D

Acq: 13 Jun 2020 03:18

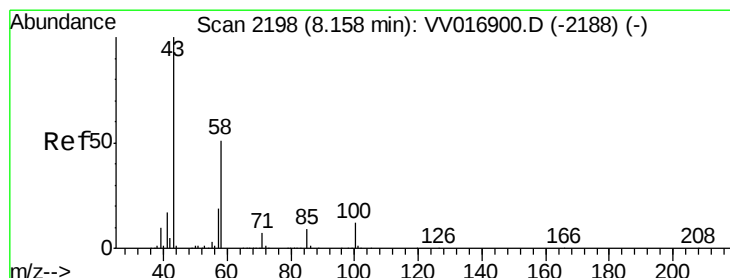
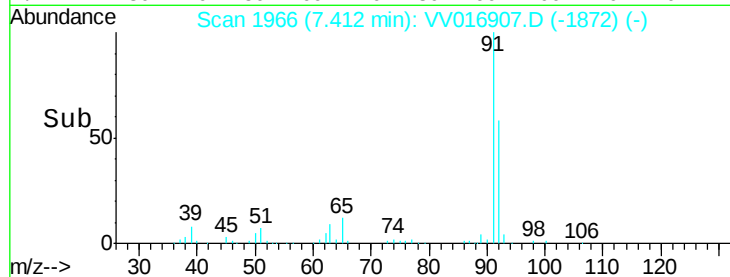
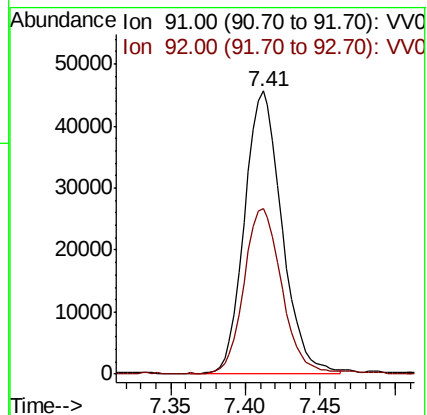
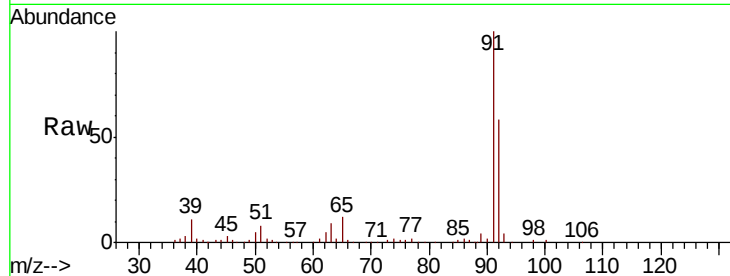
Instrument :
MSVOA_V
ClientSampled :
E3YG5

Tot Ion: 91 Resp: 79650

Ion Ratio Lower Upper

91 100

92 58.5 40.4 75.0



#48

2-Hexanone

Concen: 6.594 ug/L

RT: 8.11 min Scan# 2182

Delta R.T. -0.05 min

Lab File: VV016907.D

Acq: 13 Jun 2020 03:18

Tgt Ion: 43 Resp: 18613

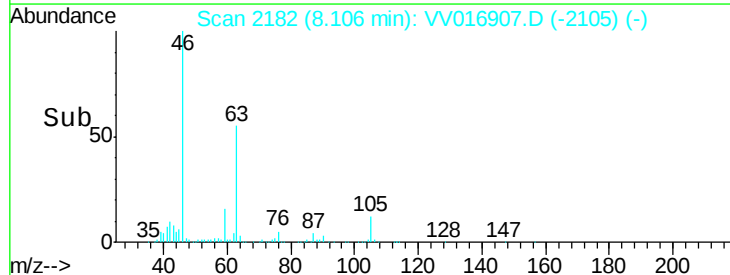
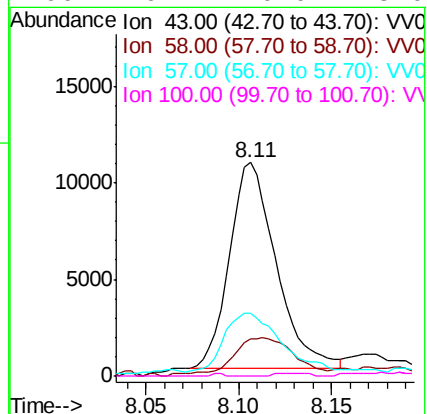
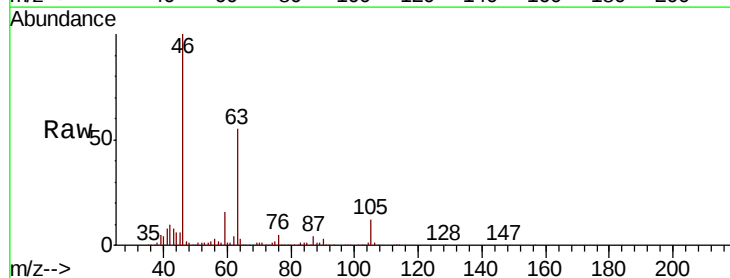
Ion Ratio Lower Upper

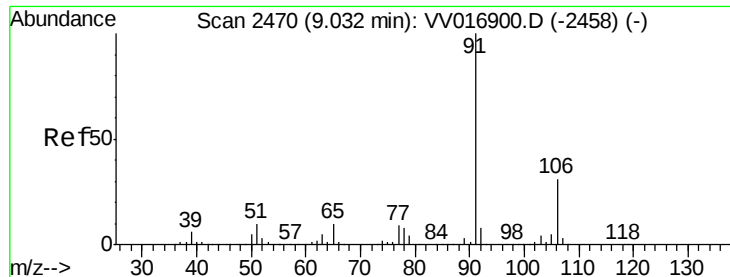
43 100

58 24.8 43.1 64.7#

57 33.8 15.3 22.9#

100 0.2 10.0 15.0#





#52

Ethylbenzene

Concen: 453.885 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016907.D

Acq: 13 Jun 2020 03:18

Instrument :

MSVOA_V

ClientSampleId :

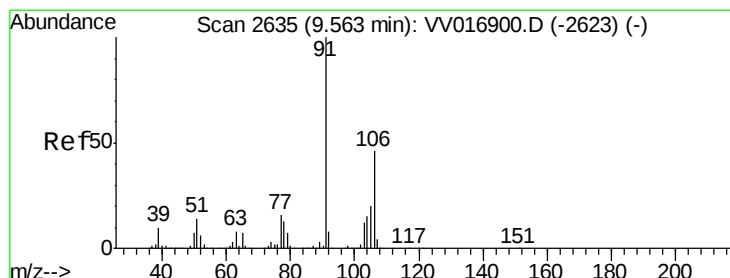
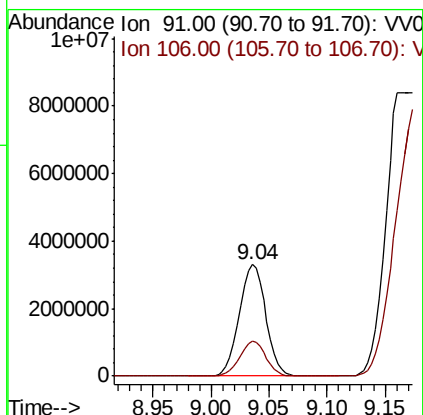
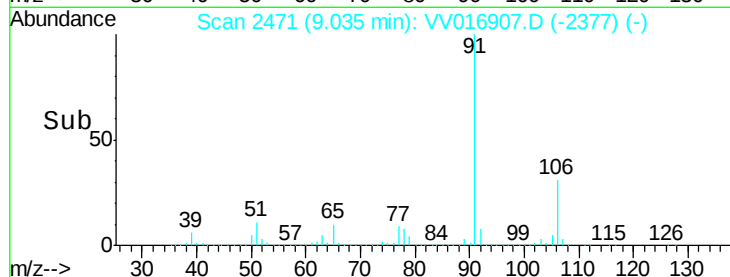
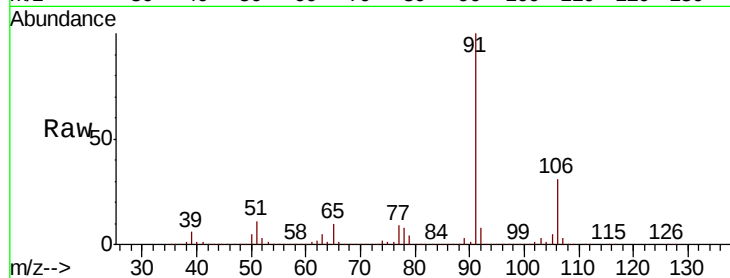
E3YG5

Tot Ion: 91 Resp: 5235628

Ion Ratio Lower Upper

91 100

106 31.0 21.1 39.1



#54

o-xylene

Concen: 5.173 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016907.D

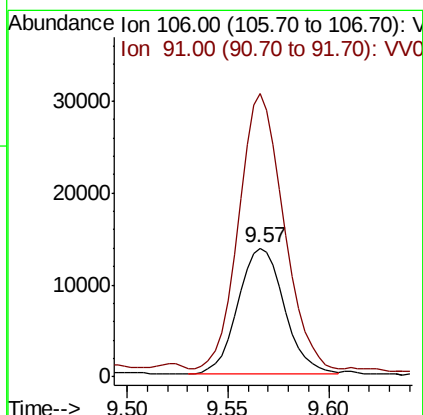
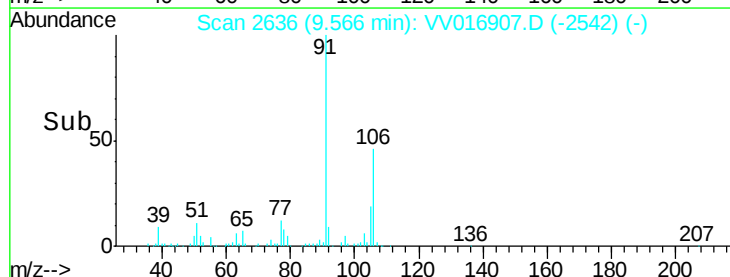
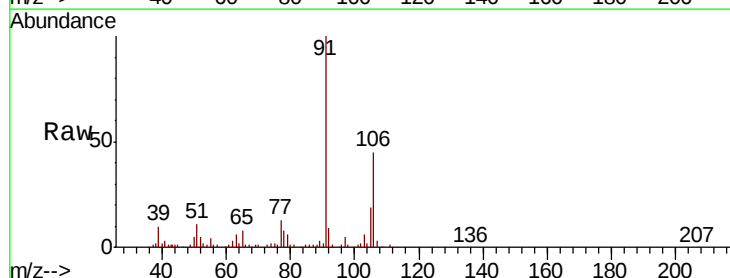
Acq: 13 Jun 2020 03:18

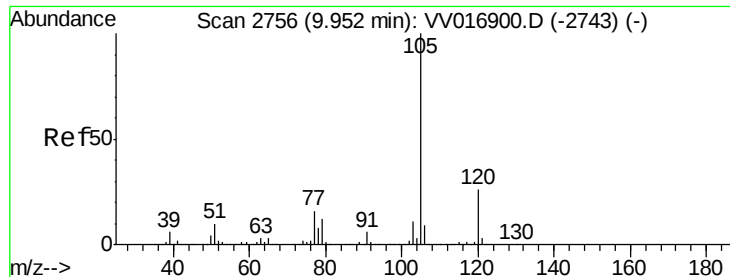
Tgt Ion: 106 Resp: 21914

Ion Ratio Lower Upper

106 100

91 220.2 155.9 289.5





#56

Isopropylbenzene

Concen: 44.574 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

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E3YG5

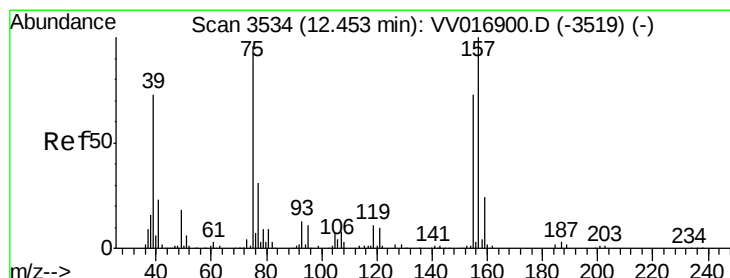
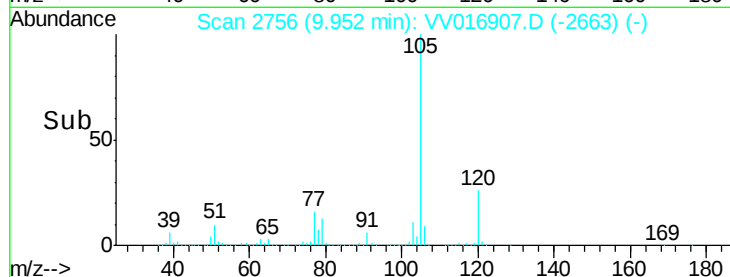
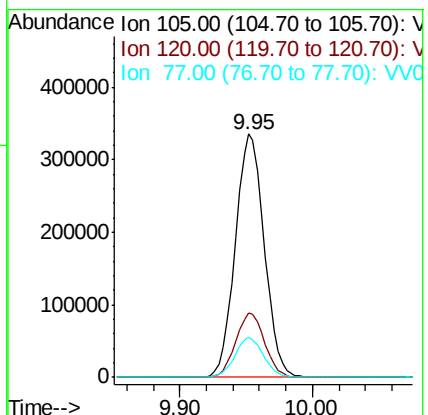
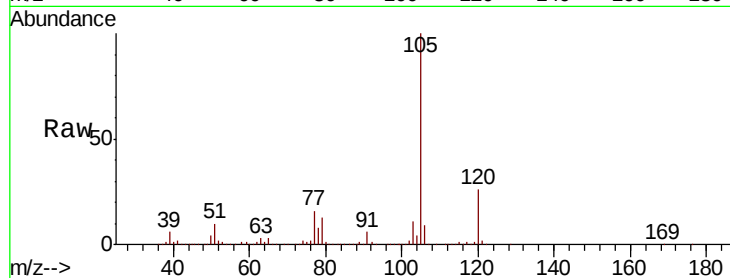
Tot Ion:105 Resp: 507327

Ion Ratio Lower Upper

105 100

120 26.4 21.2 31.8

77 16.1 13.0 19.4



#66

1,2-Dibromo-3-chloropropane

Concen: 1.858 ug/L

RT: 12.49 min Scan# 3545

Delta R.T. 0.04 min

Lab File: VV016907.D

Acq: 13 Jun 2020 03:18

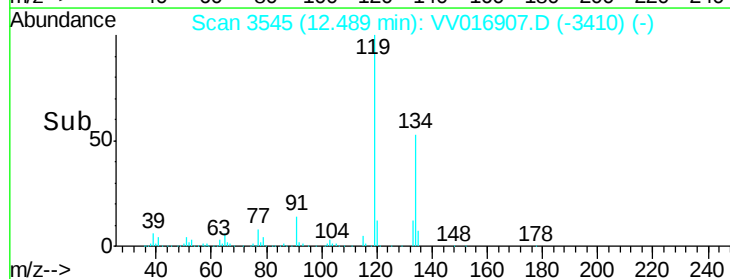
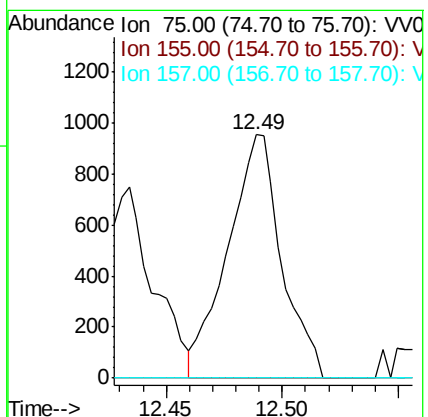
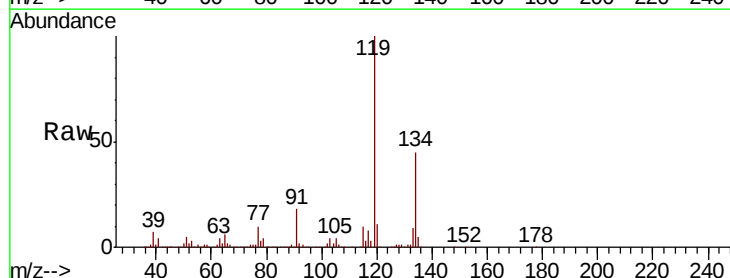
Tgt Ion: 75 Resp: 1539

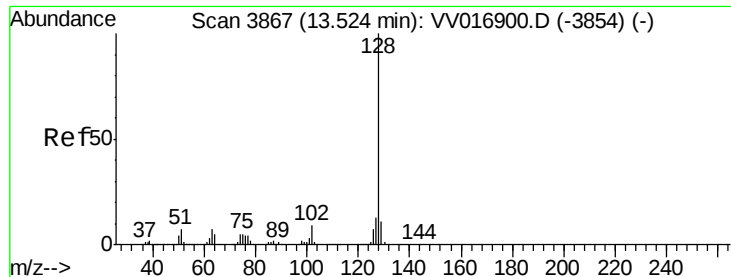
Ion Ratio Lower Upper

75 100

155 0.0 69.8 104.6#

157 0.0 83.4 125.2#





#69

Naphthalene

Concen: 16.973 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016907.D

Acq: 13 Jun 2020 03:18

Instrument :

MSVOA_V

ClientSampleId :

E3YG5

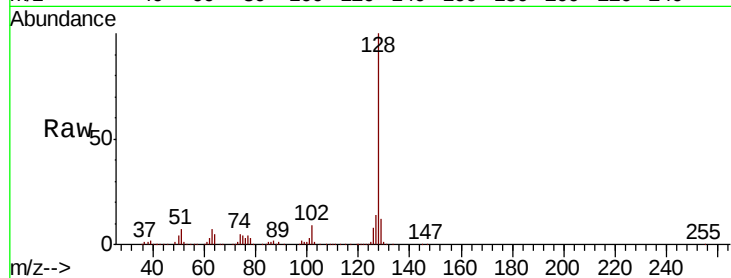
Tot Ion:128 Resp: 175484

Ion Ratio Lower Upper

128 100

127 13.6 10.5 15.7

129 11.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

150000 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

