

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092820\
 Data File : VV018487.D
 Acq On : 28 Sep 2020 12:41
 Operator : SY/MD
 Sample : L4109-10DL 20X
 Misc : 6.37g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3X0DL

Quant Time: Sep 29 00:52:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 29 00:50:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	364609	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	347984	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	186391	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	115450	38.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.70%
7) Chloroethane-d5	1.58	69	96489	39.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.36%
11) 1,1-Dichloroethene-d2	2.12	63	166062	30.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.94%
21) 2-Butanone-d5	3.91	46	159935	87.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.94%
24) Chloroform-d	4.38	84	207625	40.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.54%
26) 1,2-Dichloroethane-d4	5.06	65	138311	41.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.70%
32) Benzene-d6	5.08	84	436585	43.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.66%
36) 1,2-Dichloropropane-d6	6.09	67	138555	43.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.54%
41) Toluene-d8	7.34	98	395647	43.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.16%
43) trans-1,3-Dichloropropene-	7.64	79	69193	43.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.04%
47) 2-Hexanone-d5	8.11	63	108623	90.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.60%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	178238	44.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.72%
64) 1,2-Dichlorobenzene-d4	11.65	152	171777	44.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.74%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.32	64	1419	0.761	ug/L #	1
20) cis-1,2-Dichloroethene	3.94	96	3344	1.268	ug/L	99
29) Cyclohexane	4.71	56	21562	5.366	ug/L	97
30) 1,1,1-Trichloroethane	4.64	97	26839	6.646	ug/L	99
31) Carbon tetrachloride	4.64	117	3478	0.979	ug/L	98
35) Methylcyclohexane	6.09	83	32371	7.933	ug/L #	18
39) cis-1,3-Dichloropropene	7.01	75	3718	0.915	ug/L #	63
42) Toluene	7.41	91	461690	43.849	ug/L	100
48) 2-Hexanone	8.11	43	13450	5.334	ug/L #	65
52) Ethylbenzene	9.04	91	117479	10.220	ug/L	99
53) m,p-Xylene	9.16	106	189755	44.226	ug/L	95
54) o-xylene	9.57	106	79927	19.336	ug/L	97
55) Styrene	9.56	104	4274	0.595	ug/L #	1
56) Isopropylbenzene	9.95	105	96034	8.621	ug/L	99
59) 1,2,3-Trichloropropane	10.37	75	3165	1.021	ug/L #	1
65) 1,2-Dichlorobenzene	11.67	146	8352	1.491	ug/L	91
66) 1,2-Dibromo-3-chloropropan	12.49	75	1463	1.851	ug/L #	1

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QLast Update : Tue Sep 29 00:50:40 2020
Response via : Initial Calibration

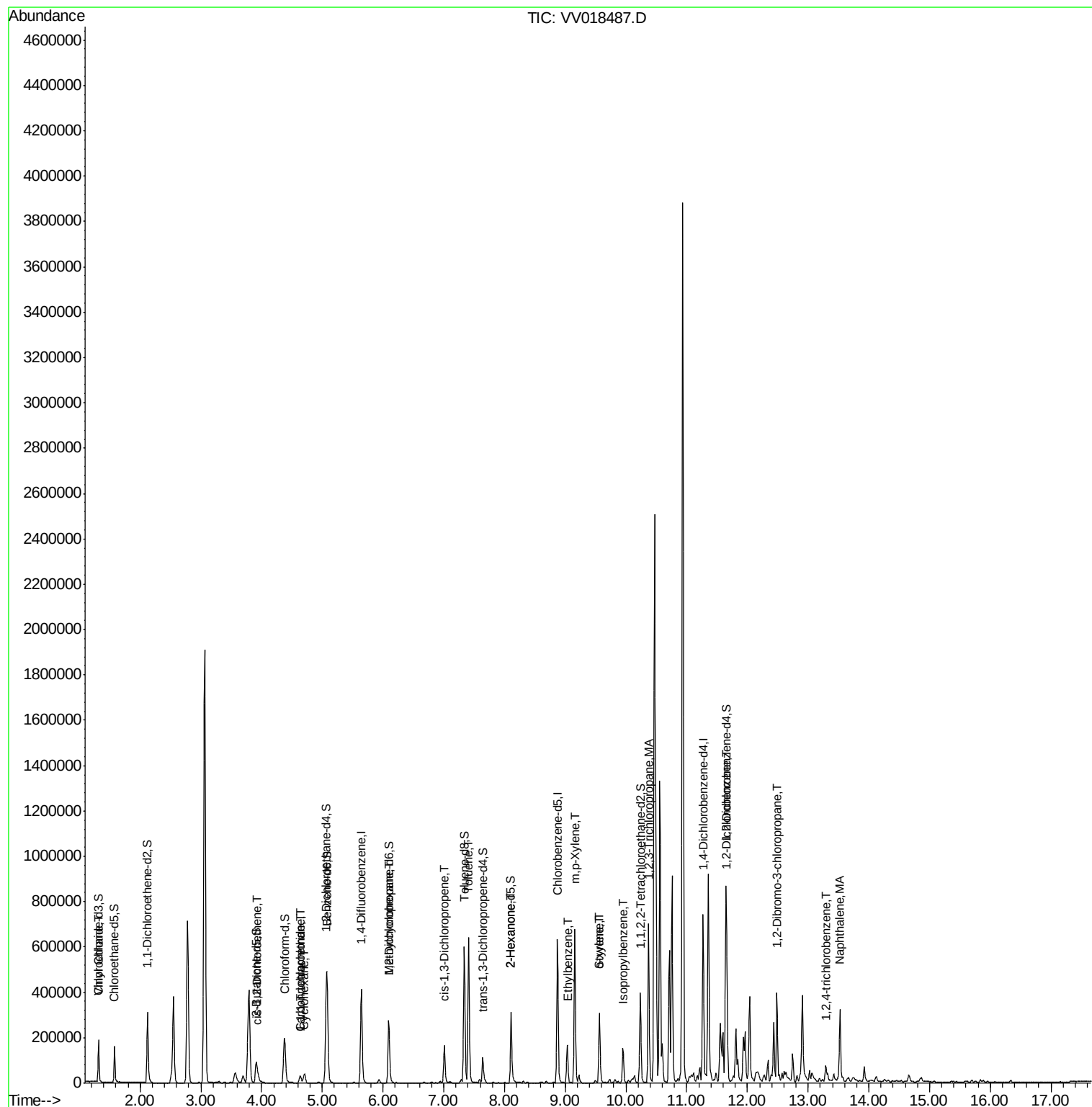
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.29	180	3790	0.974	ug/L #	87
69) Naphthalene	13.52	128	239327	24.309	ug/L	99

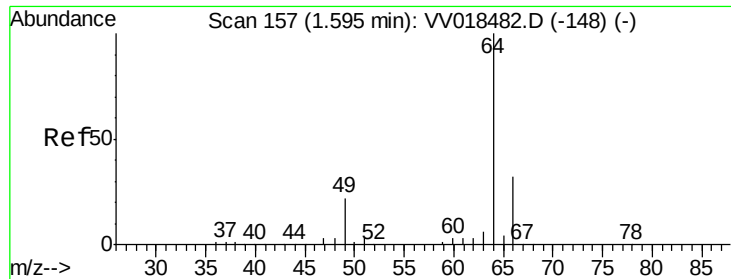
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV092820\
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Quant Title : VOC Analysis
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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.761 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.28 min

Lab File: VV018487.D

Acq: 28 Sep 2020 12:41

Instrument :

MSVOA_V

ClientSampleId :

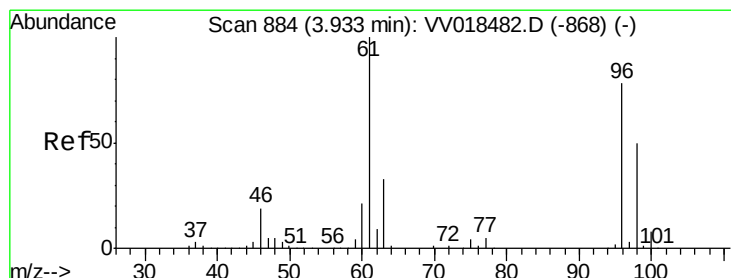
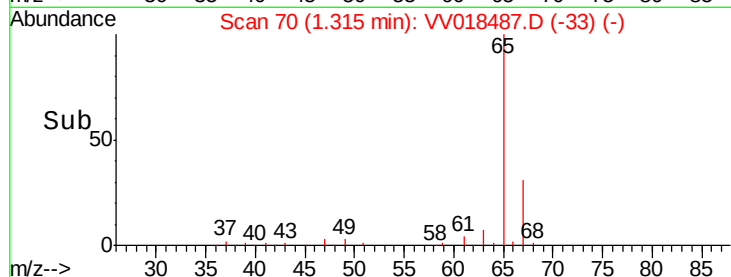
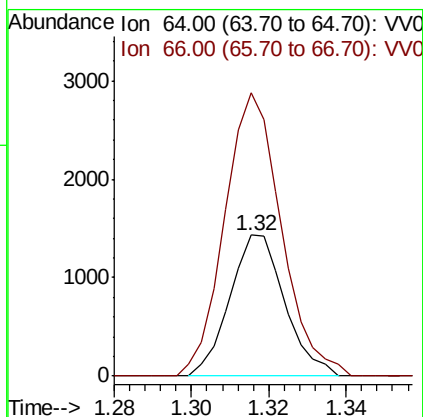
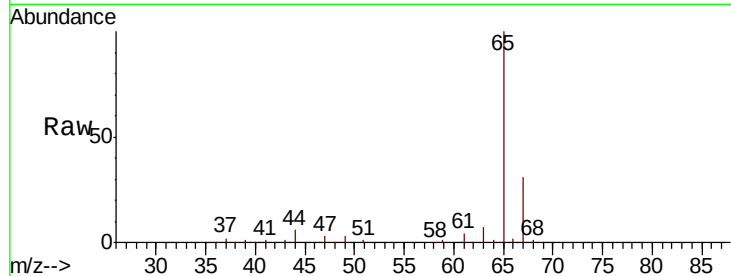
BG3X0DL

Tot Ion: 64 Resp: 1419

Ion Ratio Lower Upper

64 100

66 200.5 22.5 41.7#



#20

cis-1,2-Dichloroethene

Concen: 1.268 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV018487.D

Acq: 28 Sep 2020 12:41

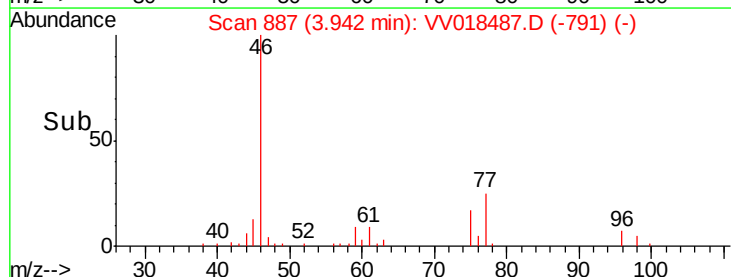
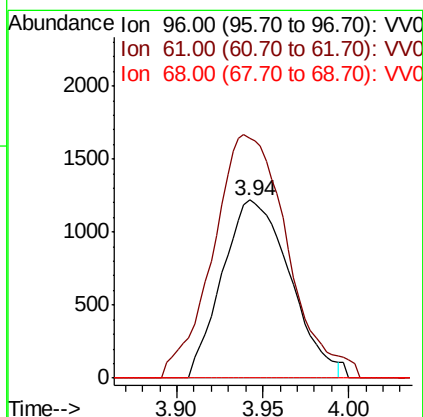
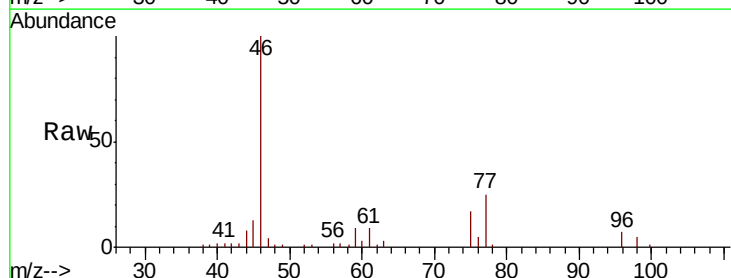
Tgt Ion: 96 Resp: 3344

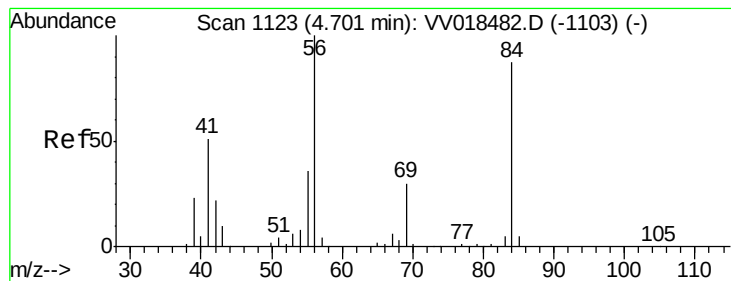
Ion Ratio Lower Upper

96 100

61 134.8 93.6 173.8

68 0.0 0.0 0.0





#29

Cyclohexane

Concen: 5.366 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VV018487.D

Acq: 28 Sep 2020 12:41

Instrument :

MSVOA_V

ClientSampleId :

BG3X0DL

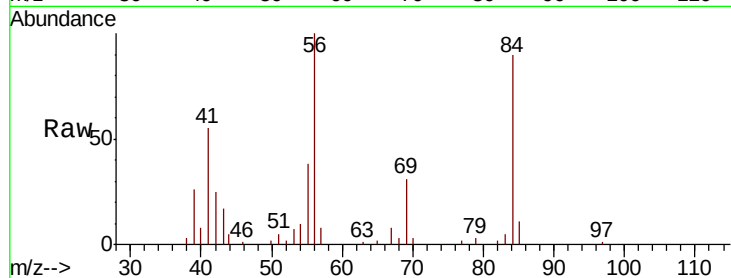
Tot Ion: 56 Resp: 21562

Ion Ratio Lower Upper

56 100

69 30.9 24.2 36.2

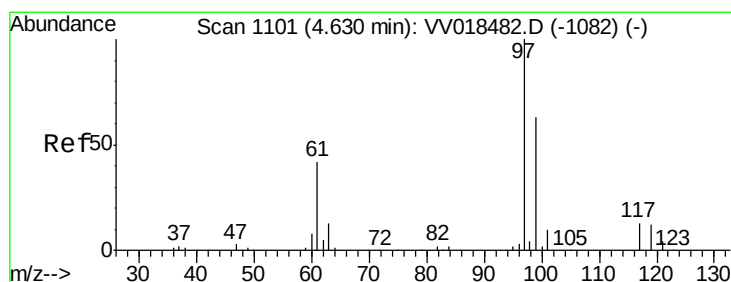
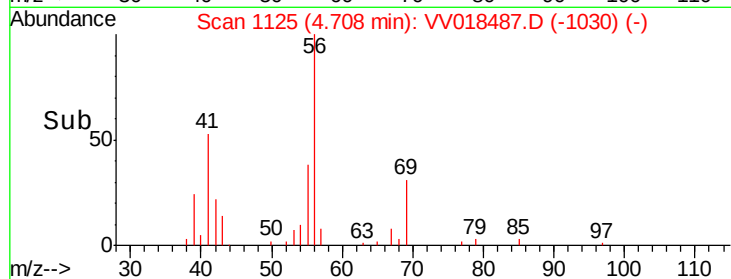
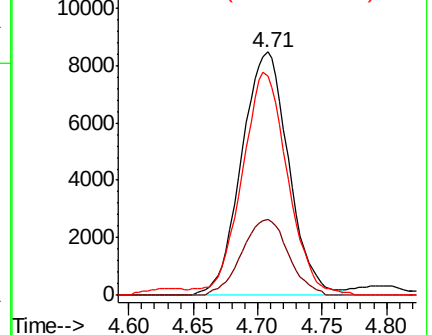
84 88.2 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VV018487.D (-1103) (-)

Ion 69.00 (68.70 to 69.70): VV018487.D (-1103) (-)

Ion 84.00 (83.70 to 84.70): VV018487.D (-1103) (-)



#30

1,1,1-Trichloroethane

Concen: 6.646 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VV018487.D

Acq: 28 Sep 2020 12:41

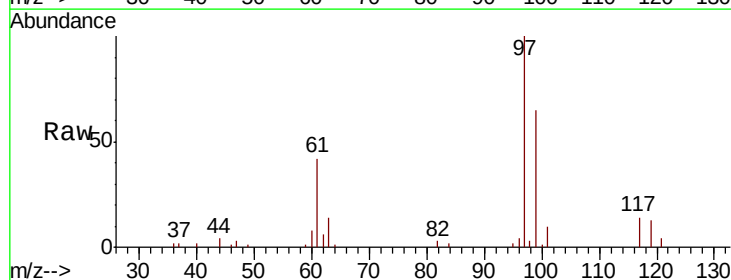
Tgt Ion: 97 Resp: 26839

Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

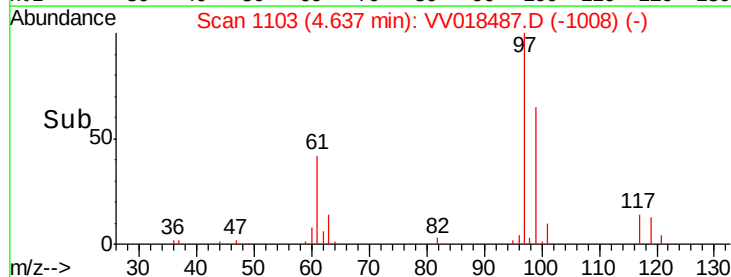
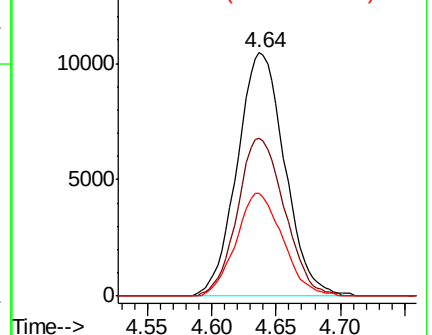
61 41.4 34.9 52.3

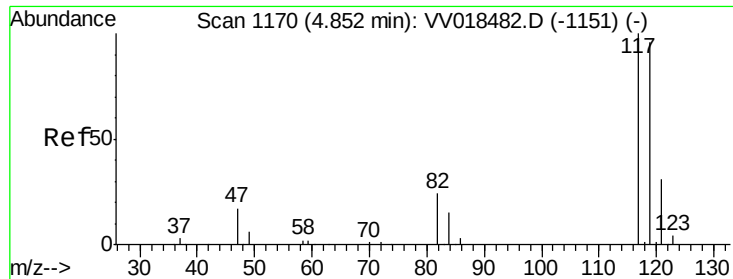


Abundance Ion 97.00 (96.70 to 97.70): VV018487.D (-1082) (-)

Ion 99.00 (98.70 to 99.70): VV018487.D (-1082) (-)

Ion 61.05 (60.75 to 61.75): VV018487.D (-1082) (-)

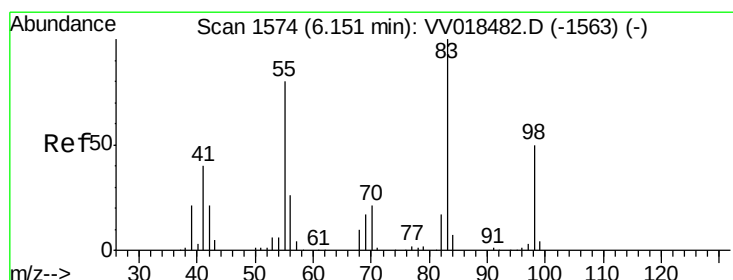
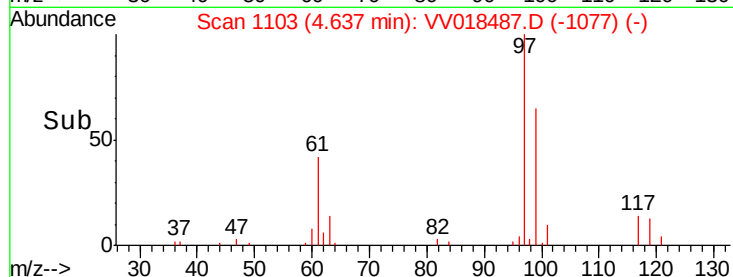
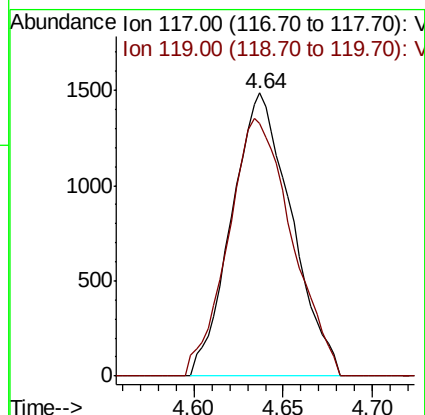
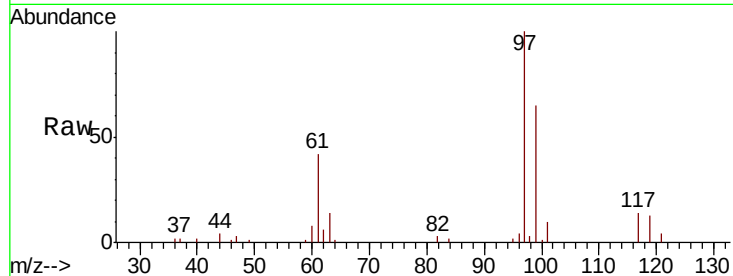




#31
Carbon tetrachloride
Concen: 0.979 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. -0.22 min
Lab File: VV018487.D
Acq: 28 Sep 2020 12:41

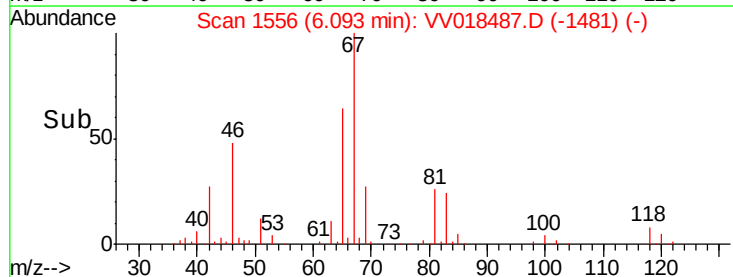
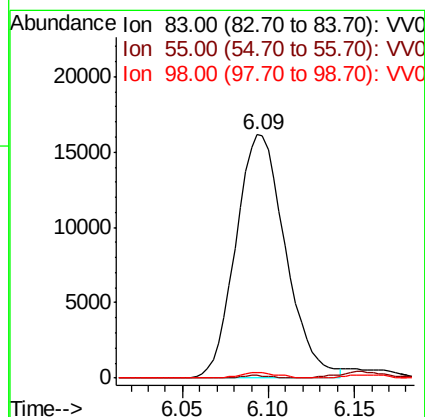
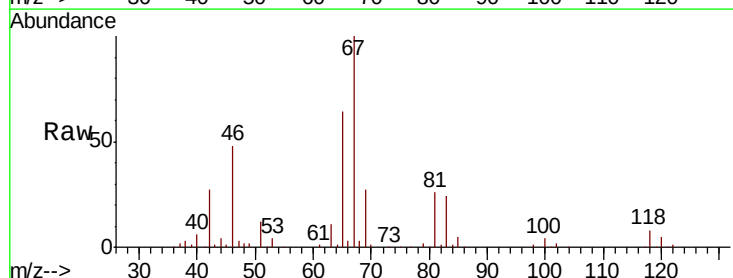
Instrument :
MSVOA_V
ClientSampleId :
BG3X0DL

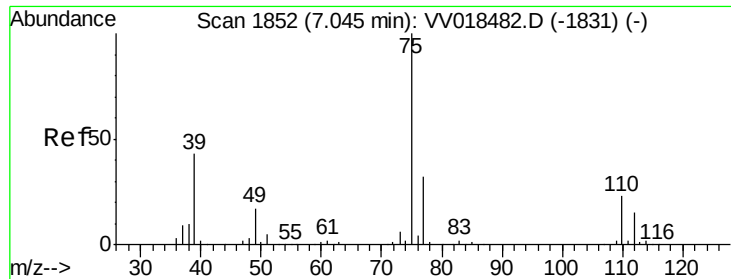
Tot Ion:117 Resp: 3478
Ion Ratio Lower Upper
117 100
119 96.7 75.7 113.5



#35
Methylcyclohexane
Concen: 7.933 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018487.D
Acq: 28 Sep 2020 12:41

Tgt Ion: 83 Resp: 32371
Ion Ratio Lower Upper
83 100
55 0.6 63.4 95.2#
98 1.6 38.8 58.2#

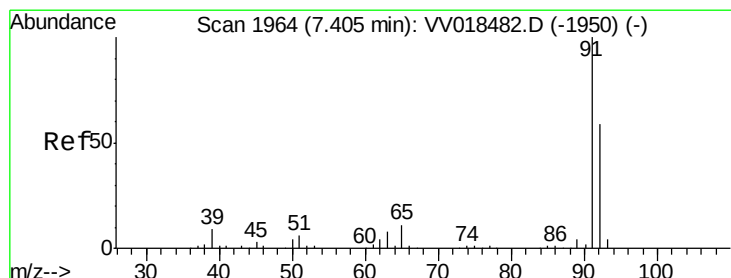
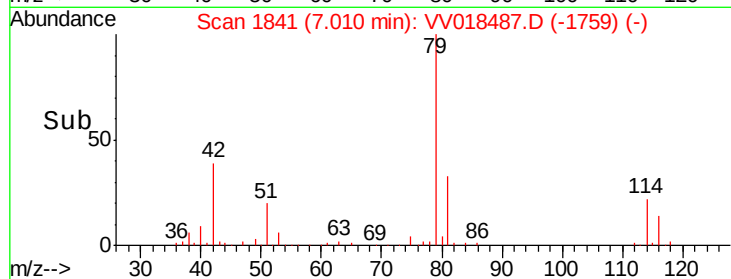
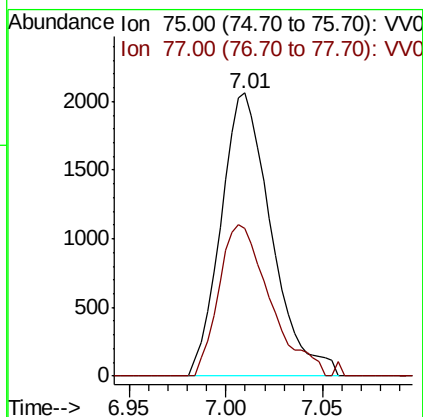
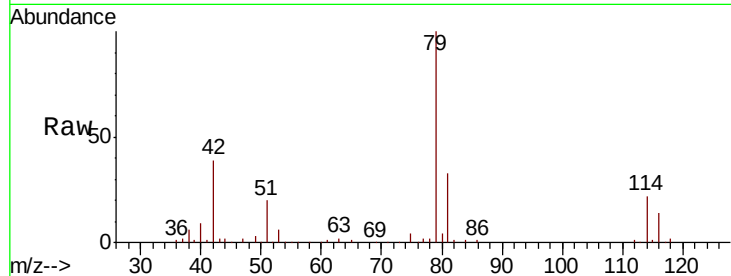




#39
 cis-1,3-Dichloropropene
 Concen: 0.915 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV018487.D
 Acq: 28 Sep 2020 12:41

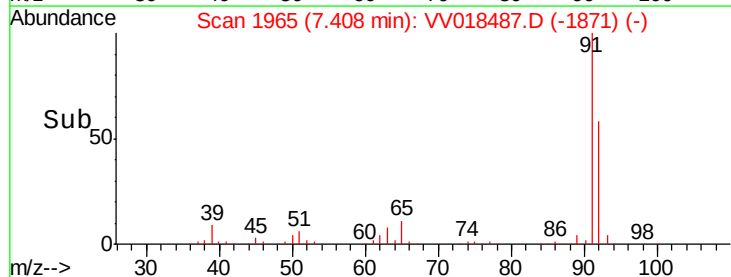
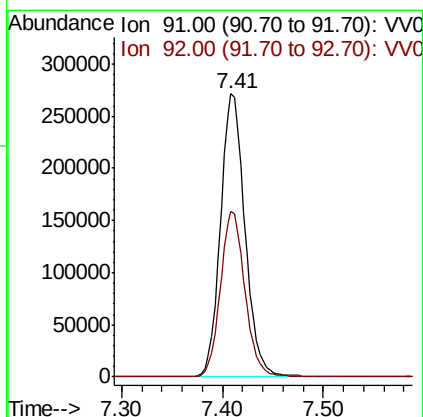
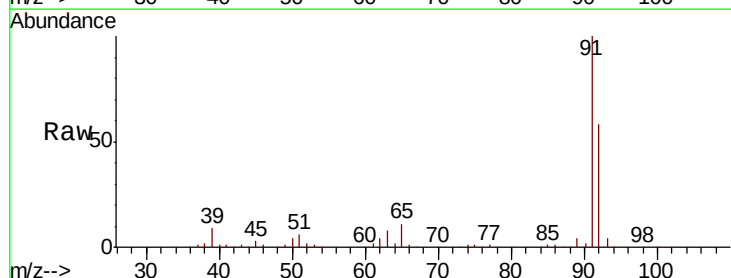
Instrument :
 MSVOA_V
 ClientSampleID :
 BG3X0DL

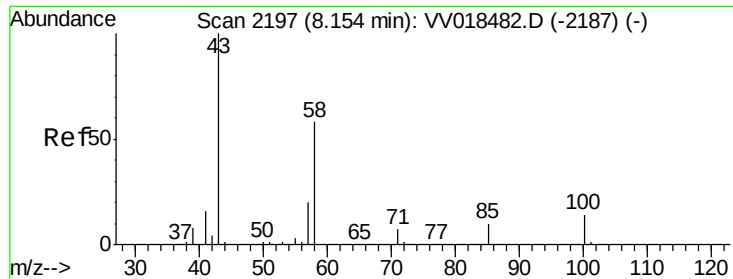
Tot Ion: 75 Resp: 3718
 Ion Ratio Lower Upper
 75 100
 77 52.4 22.3 41.3#



#42
 Toluene
 Concen: 43.849 ug/L
 RT: 7.41 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VV018487.D
 Acq: 28 Sep 2020 12:41

Tgt Ion: 91 Resp: 461690
 Ion Ratio Lower Upper
 91 100
 92 58.5 40.7 75.5

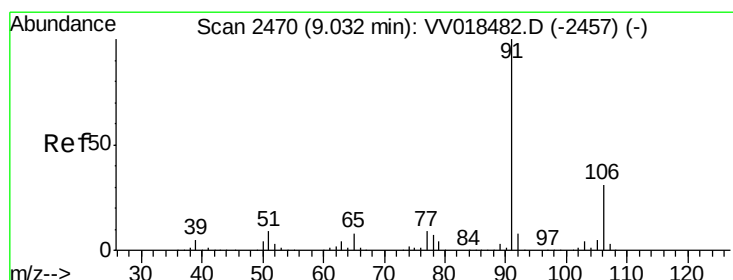
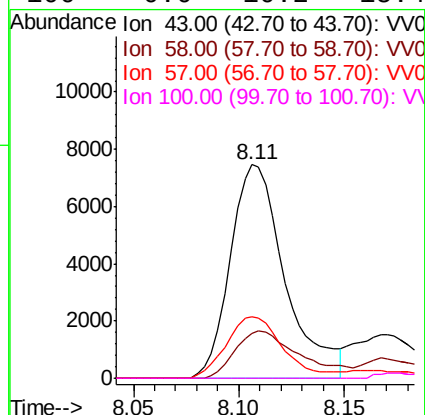
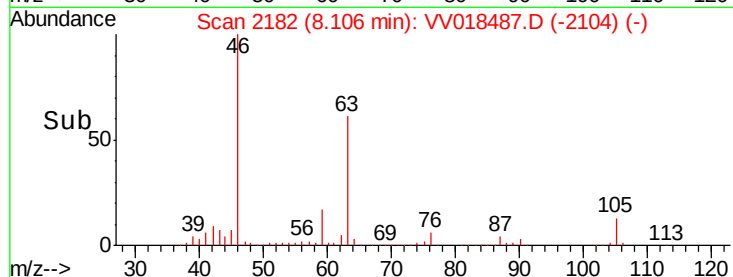
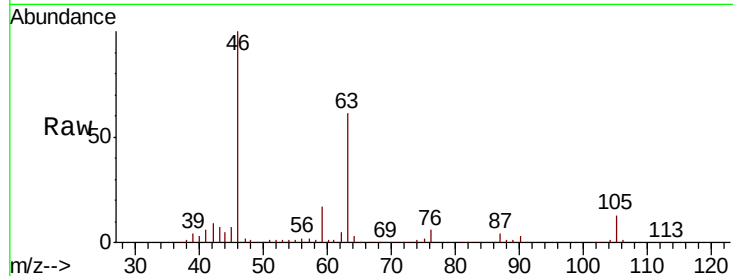




#48
2-Hexanone
Concen: 5.334 ug/L
RT: 8.11 min Scan# 2182
Delta R.T. -0.05 min
Lab File: VV018487.D
Acq: 28 Sep 2020 12:41

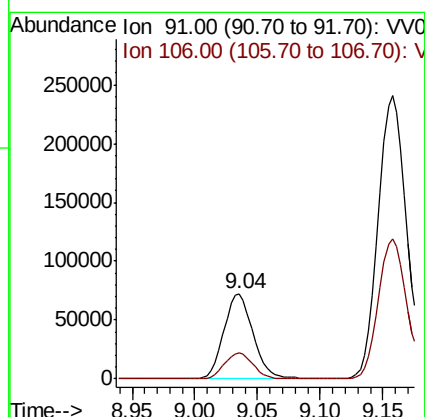
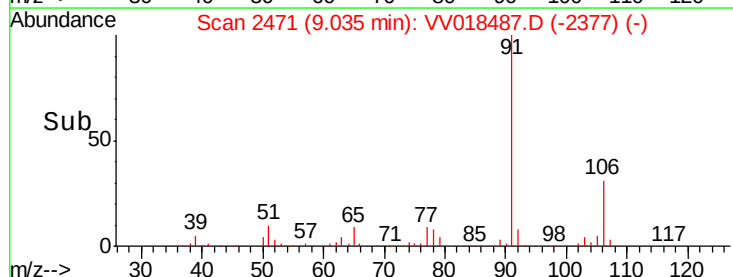
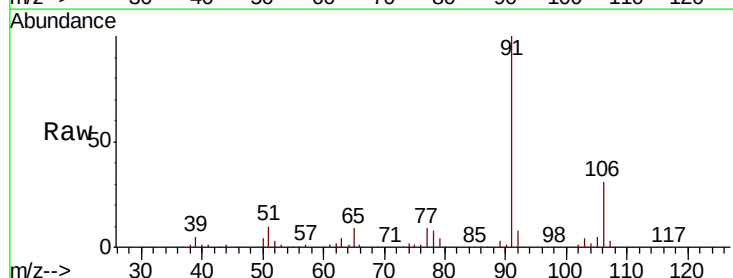
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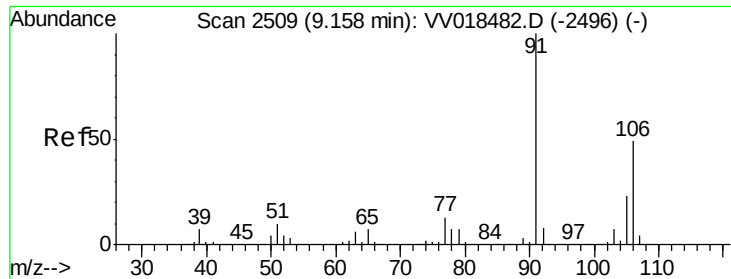
Tot Ion: 43 Resp: 13450
Ion Ratio Lower Upper
43 100
58 26.7 44.8 67.2#
57 29.0 15.8 23.6#
100 0.0 10.2 15.4#



#52
Ethylbenzene
Concen: 10.220 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV018487.D
Acq: 28 Sep 2020 12:41

Tgt Ion: 91 Resp: 117479
Ion Ratio Lower Upper
91 100
106 30.7 21.3 39.5





#53

m,p-Xylene

Concen: 44.226 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018487.D

Acq: 28 Sep 2020 12:41

Instrument :

MSVOA_V

ClientSampleId :

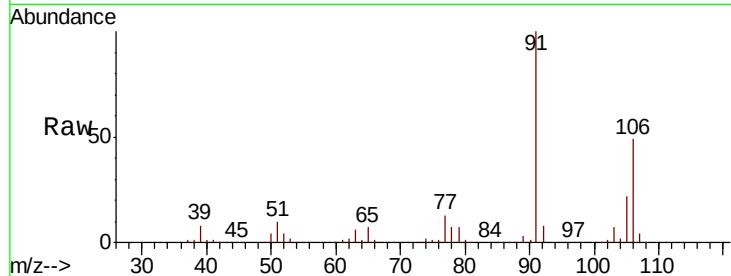
BG3X0DL

Tot Ion:106 Resp: 189755

Ion Ratio Lower Upper

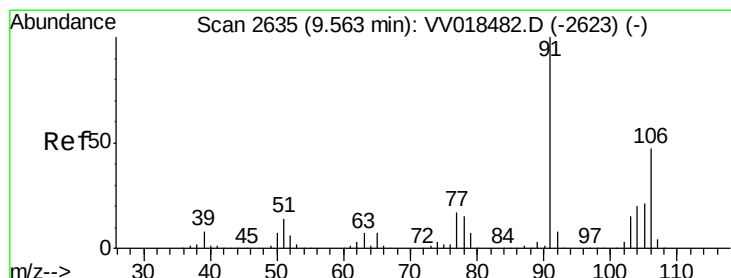
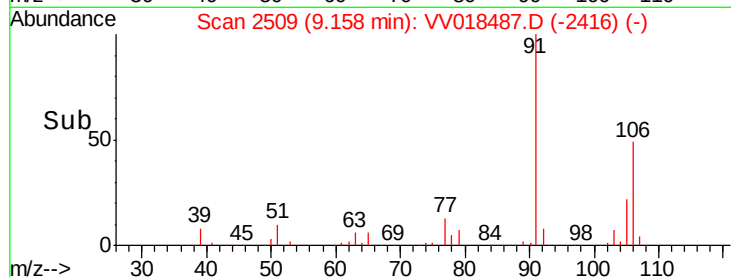
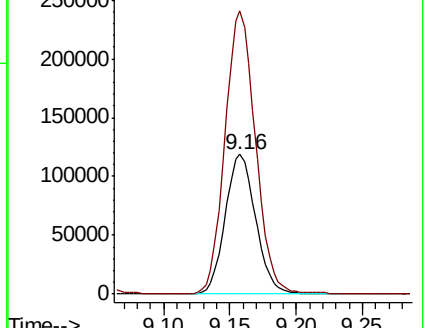
106 100

91 202.3 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 19.336 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018487.D

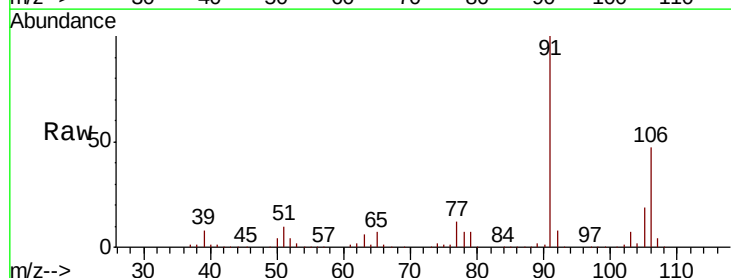
Acq: 28 Sep 2020 12:41

Tgt Ion:106 Resp: 79927

Ion Ratio Lower Upper

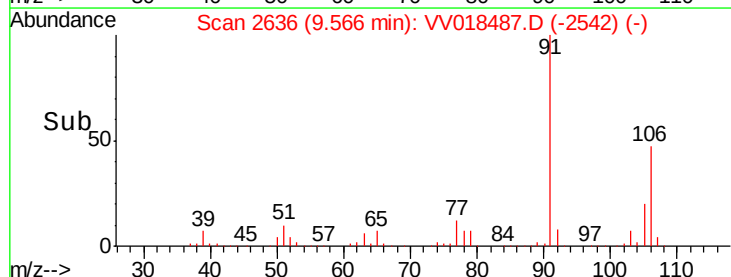
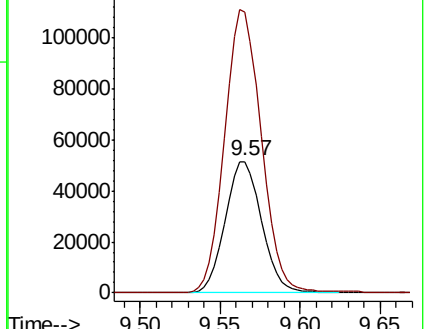
106 100

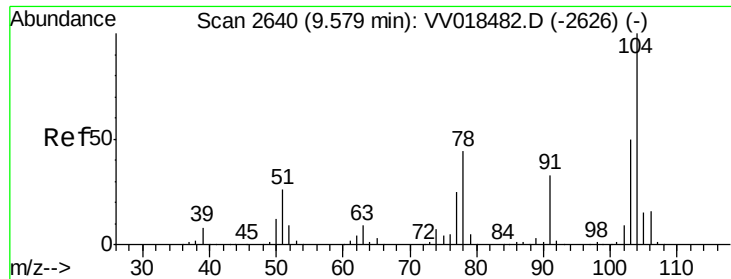
91 213.2 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 0.595 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.02 min

Lab File: VV018487.D

Acq: 28 Sep 2020 12:41

Instrument :

MSVOA_V

ClientSampleId :

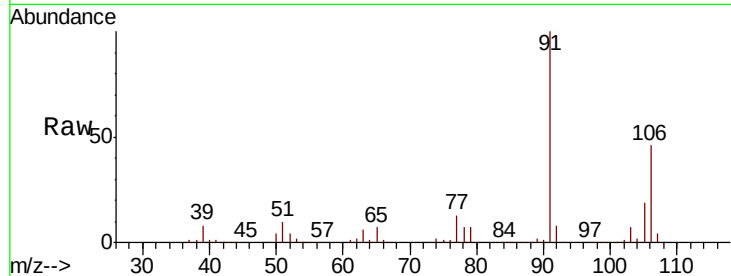
BG3X0DL

Tot Ion:104 Resp: 4274

Ion Ratio Lower Upper

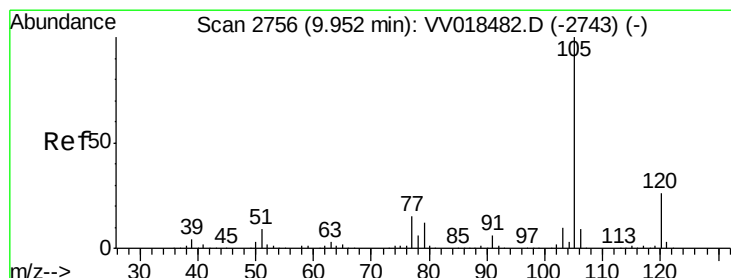
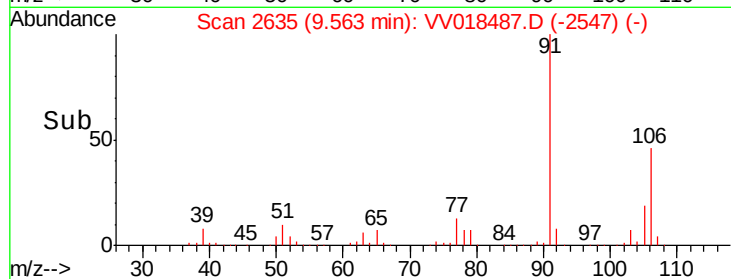
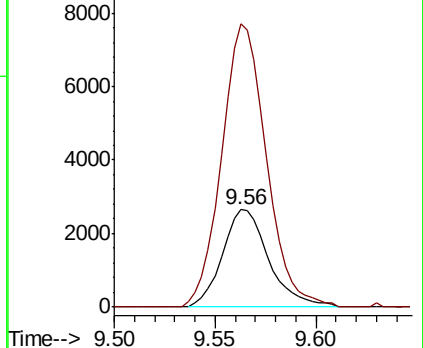
104 100

78 290.6 31.4 58.2#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 8.621 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018487.D

Acq: 28 Sep 2020 12:41

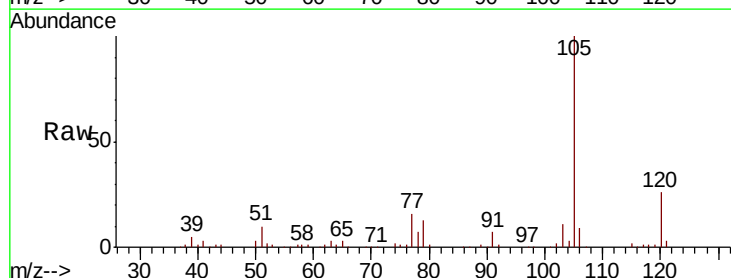
Tgt Ion:105 Resp: 96034

Ion Ratio Lower Upper

105 100

120 26.4 20.9 31.3

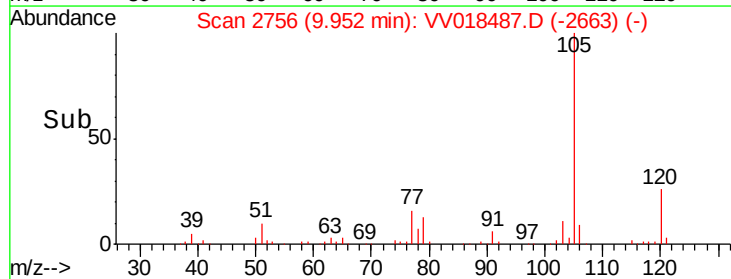
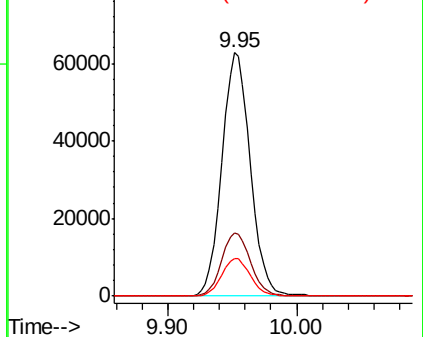
77 15.8 12.5 18.7

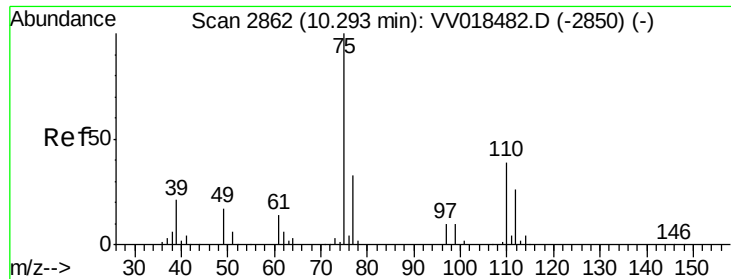


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#59

1,2,3-Trichloropropane

Concen: 1.021 ug/L

RT: 10.37 min Scan# 2887

Delta R.T. 0.08 min

Lab File: VV018487.D

Acq: 28 Sep 2020 12:41

Instrument :

MSVOA_V

ClientSampleId :

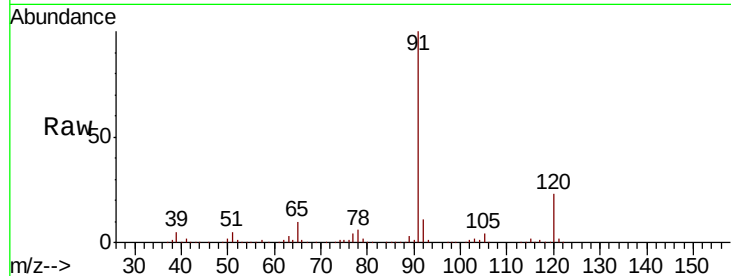
BG3X0DL

Tot Ion: 75 Resp: 3165

Ion Ratio Lower Upper

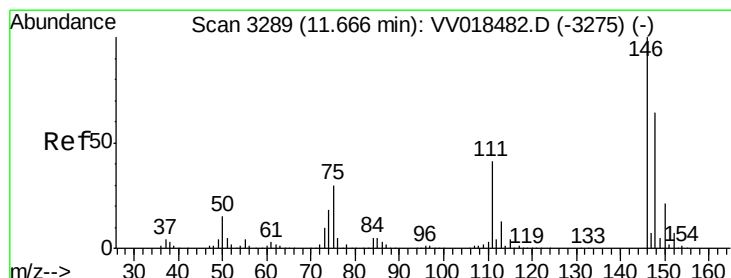
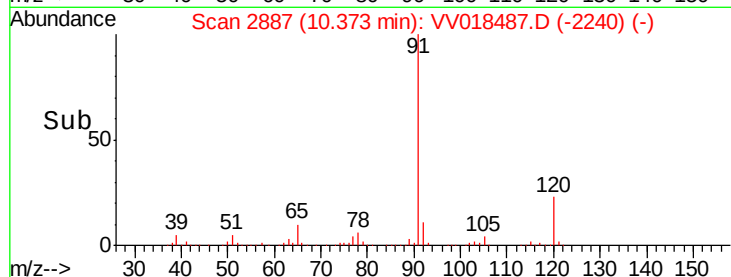
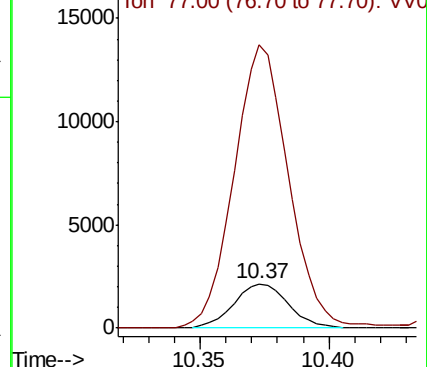
75 100

77 639.6 25.8 38.6#



Abundance Ion 75.00 (74.70 to 75.70): VV018487.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018487.D (-2850) (-)



#65

1,2-Dichlorobenzene

Concen: 1.491 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018487.D

Acq: 28 Sep 2020 12:41

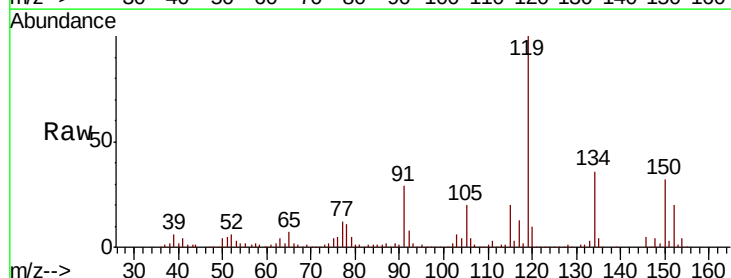
Tgt Ion: 146 Resp: 8352

Ion Ratio Lower Upper

146 100

111 48.8 32.8 49.2

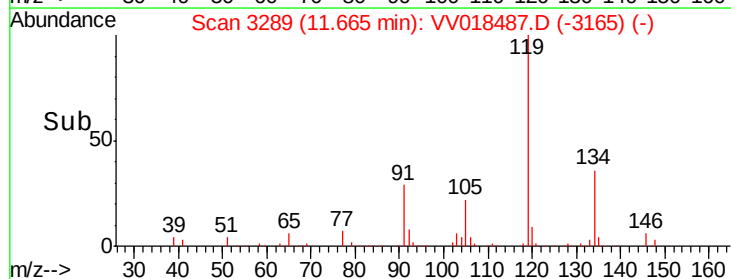
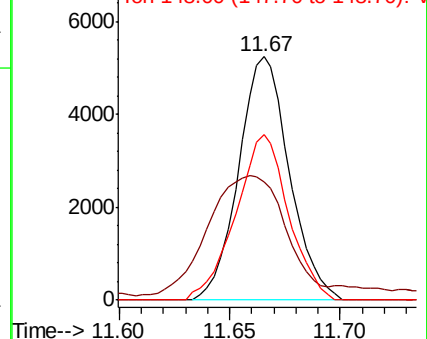
148 68.1 50.7 76.1

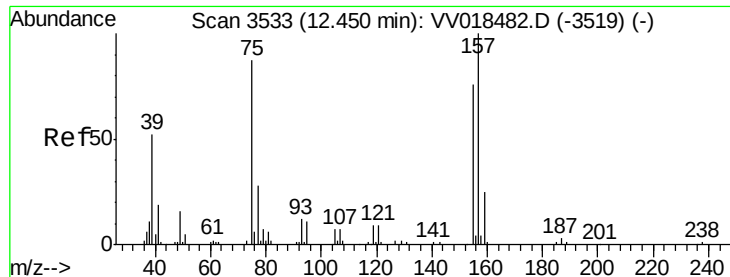


Abundance Ion 146.00 (145.70 to 146.70): VV018487.D (-3165) (-)

Ion 111.00 (110.70 to 111.70): VV018487.D (-3165) (-)

Ion 148.00 (147.70 to 148.70): VV018487.D (-3165) (-)

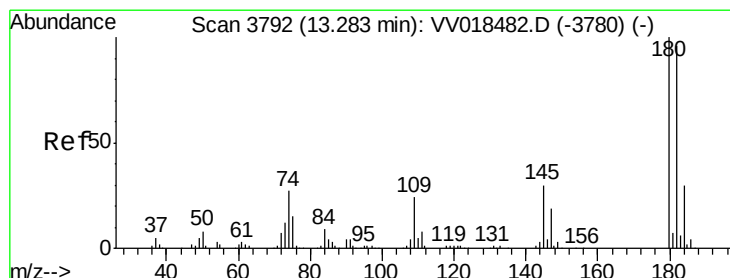
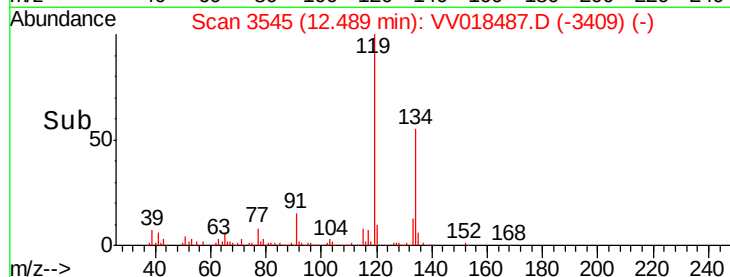
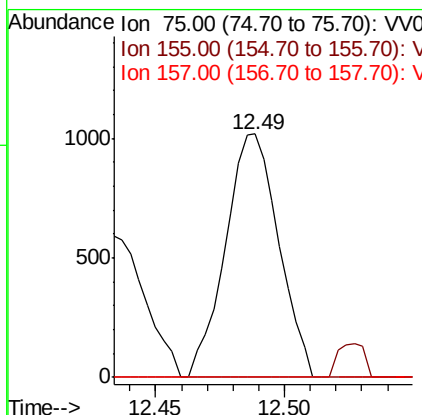
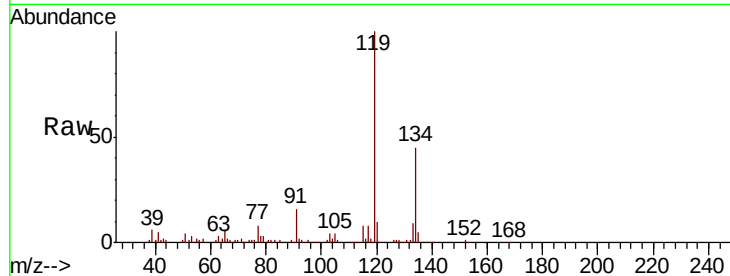




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.851 ug/L
 RT: 12.49 min Scan# 3545
 Delta R.T. 0.04 min
 Lab File: VV018487.D
 Acq: 28 Sep 2020 12:41

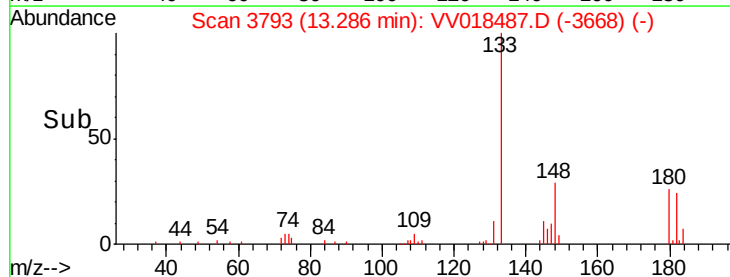
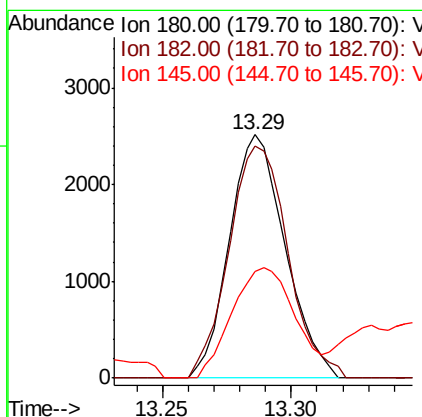
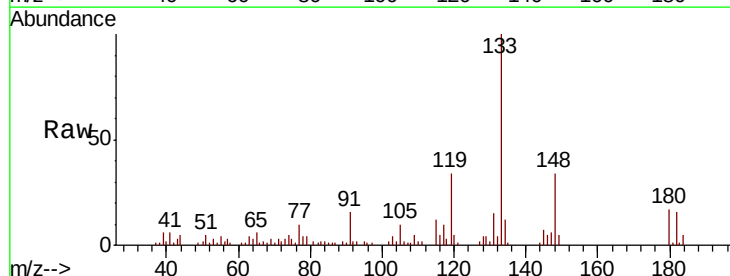
Instrument :
 MSVOA_V
 ClientSampled :
 BG3X0DL

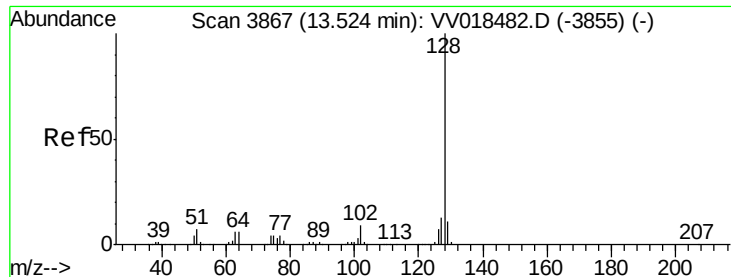
Tot Ion: 75 Resp: 1463
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.7 104.5#
 157 0.0 88.2 132.4#



#68
 1,2,4-trichlorobenzene
 Concen: 0.974 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018487.D
 Acq: 28 Sep 2020 12:41

Tgt Ion: 180 Resp: 3790
 Ion Ratio Lower Upper
 180 100
 182 100.8 77.4 116.2
 145 51.3 23.2 34.8#





#69

Naphthalene

Concen: 24.309 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018487.D

Acq: 28 Sep 2020 12:41

Instrument :

MSVOA_V

ClientSampleId :

BG3X0DL

Tot Ion:128 Resp: 239327

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

129 10.9 8.6 13.0

