

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018785.D
 Acq On : 09 Oct 2020 01:25
 Operator : SY/MD
 Sample : L4239-11DL 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3P7DL

Quant Time: Oct 09 08:03:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 09 07:31:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	334016	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	325936	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	170842	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	138266	45.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.12%
7) Chloroethane-d5	1.58	69	116052	47.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.02%
11) 1,1-Dichloroethene-d2	2.12	63	207442	35.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.90%
21) 2-Butanone-d5	3.90	46	186025	99.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.82%
24) Chloroform-d	4.38	84	234682	43.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.66%
26) 1,2-Dichloroethane-d4	5.05	65	171747	47.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.64%
32) Benzene-d6	5.07	84	484945	46.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.46%
36) 1,2-Dichloropropane-d6	6.09	67	153262	44.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.62%
41) Toluene-d8	7.34	98	416965	44.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.56%
43) trans-1,3-Dichloropropene-	7.64	79	72862	43.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.16%
47) 2-Hexanone-d5	8.11	63	122602	102.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.27%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	179862	45.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.42%
64) 1,2-Dichlorobenzene-d4	11.65	152	190378	50.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.70%

Target Compounds

					Ovalue
20) cis-1,2-Dichloroethene	3.94	96	4411	1.710 ug/L	99
29) Cyclohexane	4.70	56	25090	6.356 ug/L	97
30) 1,1,1-Trichloroethane	4.64	97	34294	7.894 ug/L	99
34) Trichloroethene	5.95	95	4844	1.628 ug/L	97
42) Toluene	7.41	91	555694	52.320 ug/L	98
46) Tetrachloroethene	8.00	164	3832	1.757 ug/L	89
51) Chlorobenzene	8.91	112	6988	0.991 ug/L	94
52) Ethylbenzene	9.03	91	107032	8.874 ug/L	99
53) m,p-Xylene	9.16	106	152639	34.476 ug/L	97
54) o-xylene	9.57	106	61933	14.729 ug/L	99
56) Isopropylbenzene	9.95	105	170308	14.638 ug/L	98
62) 1,3-Dichlorobenzene	11.21	146	4740	0.851 ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	6961	1.201 ug/L	93
65) 1,2-Dichlorobenzene	11.67	146	8399	1.502 ug/L #	92
68) 1,2,4-trichlorobenzene	13.28	180	102876	30.325 ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	32314	9.596 ug/L	97

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Quant Title : VOC Analysis
QLast Update : Fri Oct 09 07:31:27 2020
Response via : Initial Calibration

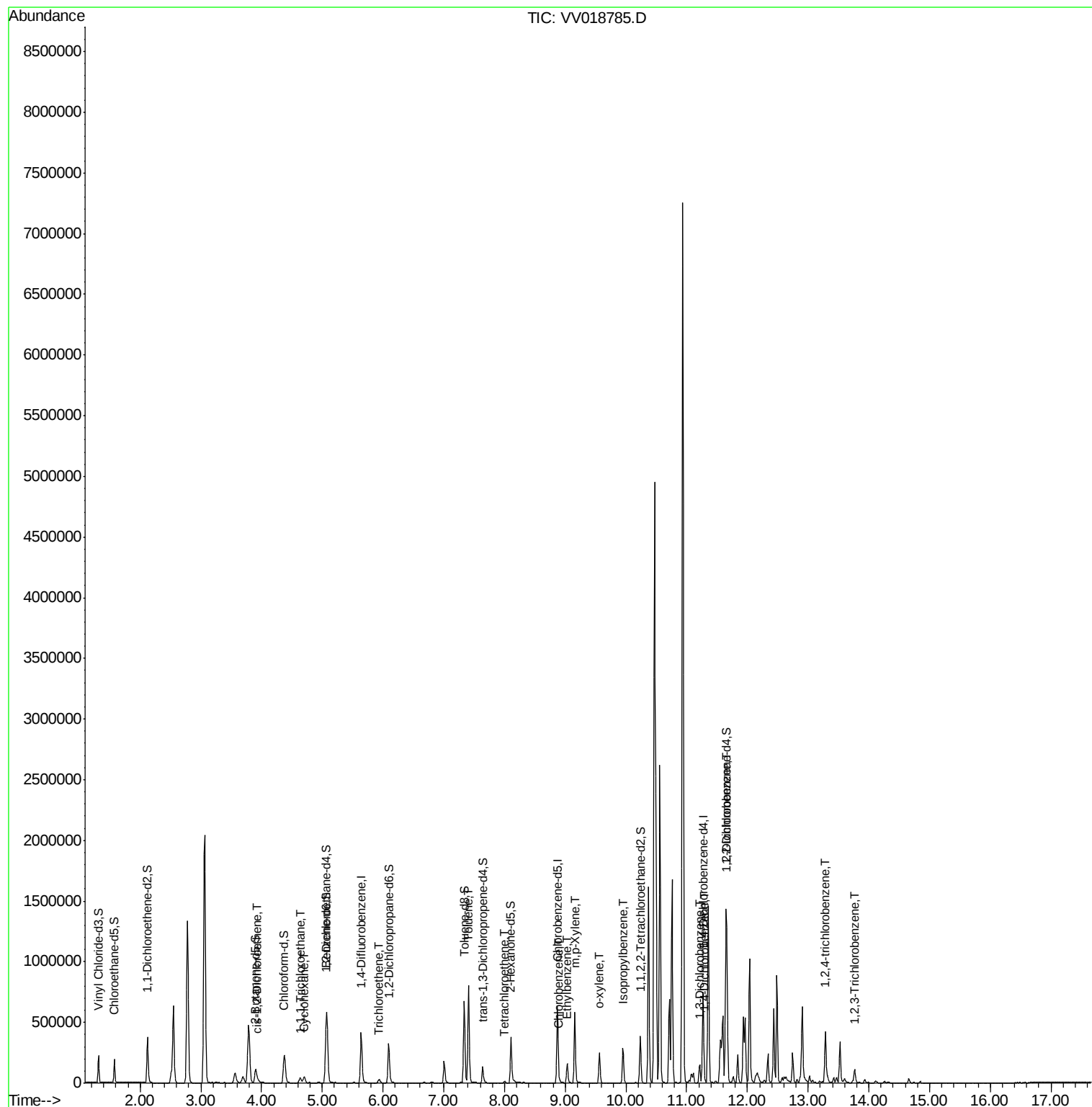
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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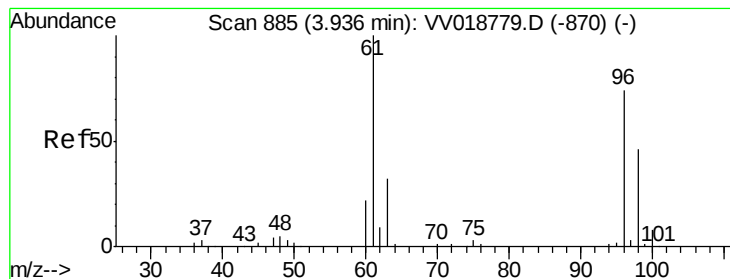
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100920\
Data File : VV018785.D
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Response via : Initial Calibration





#20

cis-1,2-Dichloroethene

Concen: 1.710 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV018785.D

Acq: 09 Oct 2020 01:25

Instrument :

MSVOA_V

ClientSampleId :

BG3P7DL

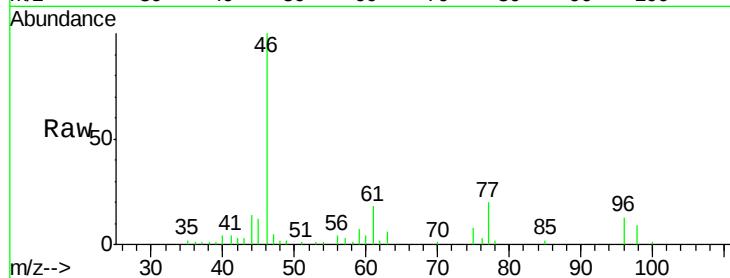
Tot Ion: 96 Resp: 4411

Ion Ratio Lower Upper

96 100

61 138.2 97.3 180.7

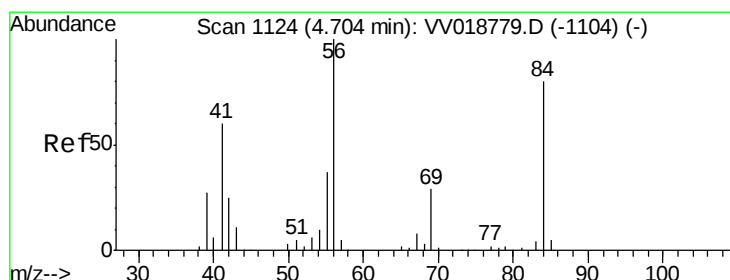
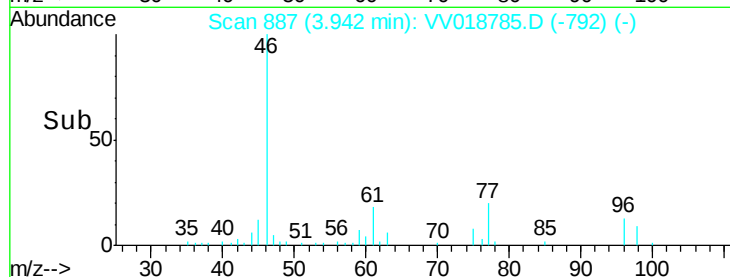
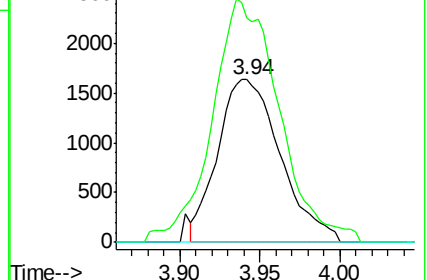
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0



#29

Cyclohexane

Concen: 6.356 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018785.D

Acq: 09 Oct 2020 01:25

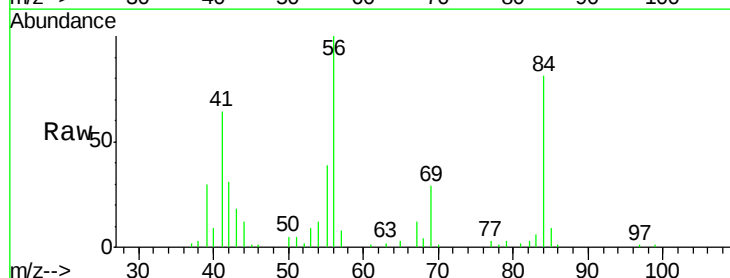
Tgt Ion: 56 Resp: 25090

Ion Ratio Lower Upper

56 100

69 29.6 23.1 34.7

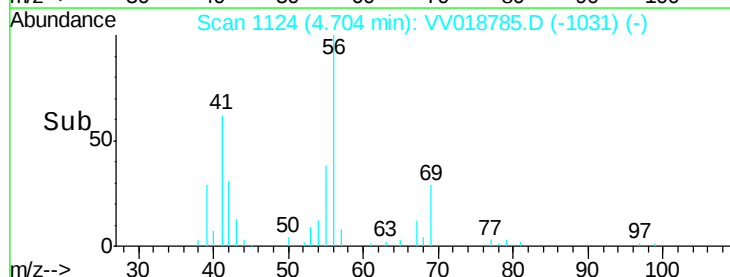
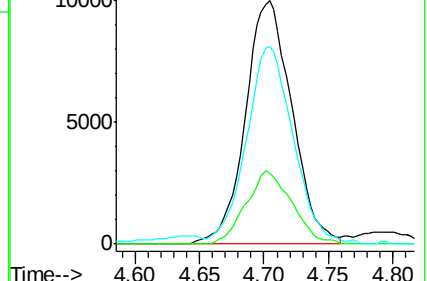
84 77.8 65.2 97.8

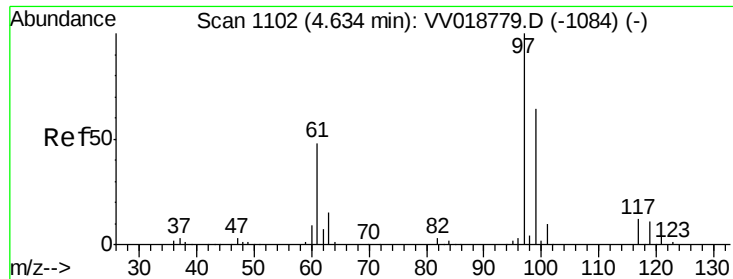


Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0

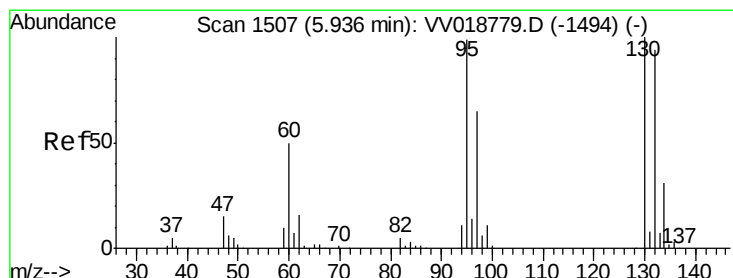
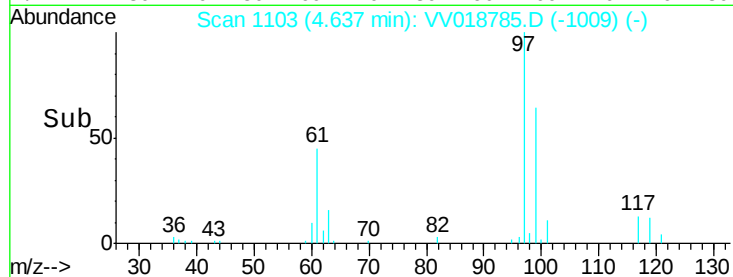
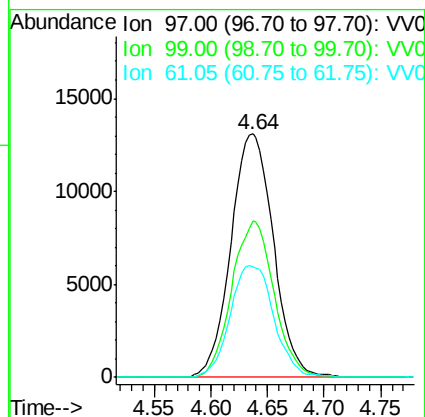
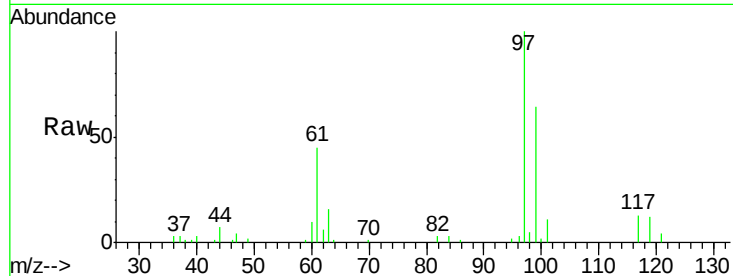




#30
 1,1,1-Trichloroethane
 Concen: 7.894 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV018785.D
 Acq: 09 Oct 2020 01:25

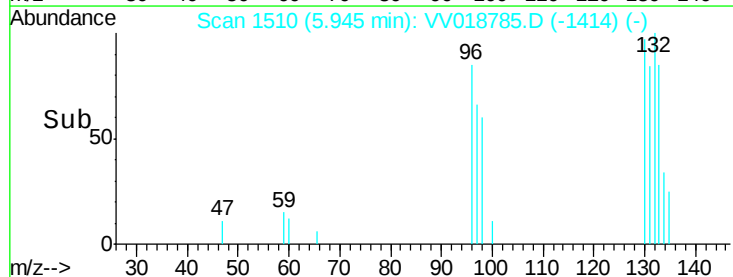
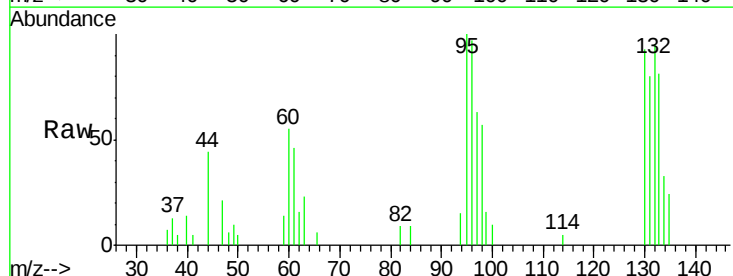
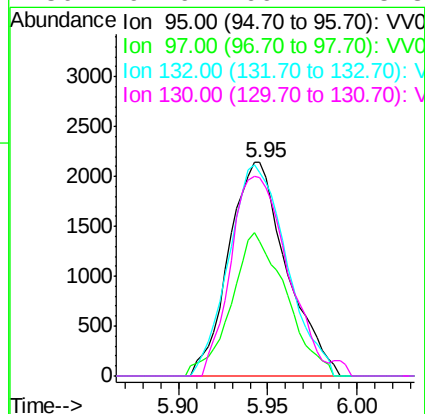
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3P7DL

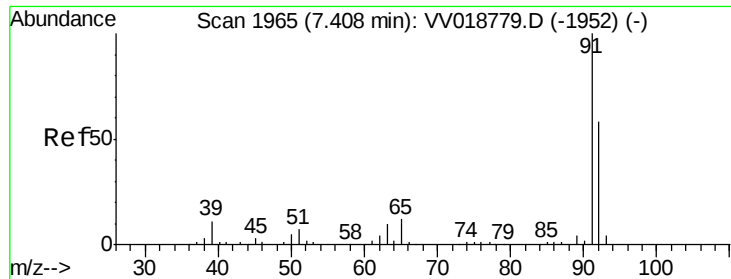
Tot Ion: 97 Resp: 34294
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.0 76.4
 61 46.9 37.0 55.4



#34
 Trichloroethene
 Concen: 1.628 ug/L
 RT: 5.95 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VV018785.D
 Acq: 09 Oct 2020 01:25

Tgt Ion: 95 Resp: 4844
 Ion Ratio Lower Upper
 95 100
 97 63.2 45.1 83.9
 132 95.1 66.2 123.0
 130 92.6 69.1 128.3





#42

Toluene

Concen: 52.320 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018785.D

Acq: 09 Oct 2020 01:25

Instrument :

MSVOA_V

ClientSampleId :

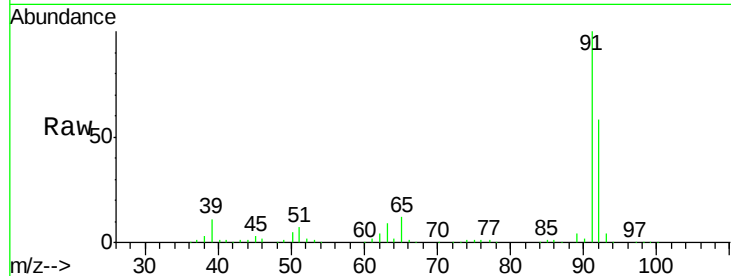
BG3P7DL

Tot Ion: 91 Resp: 555694

Ion Ratio Lower Upper

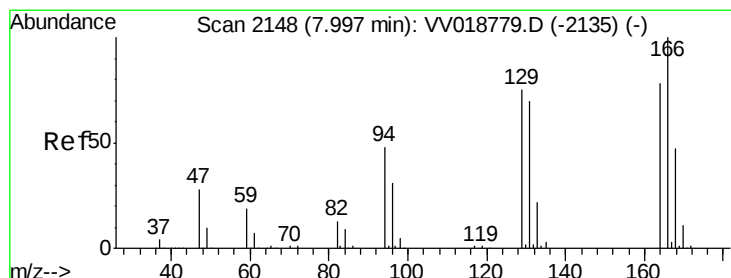
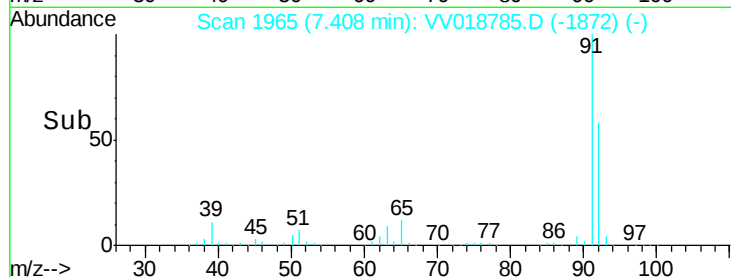
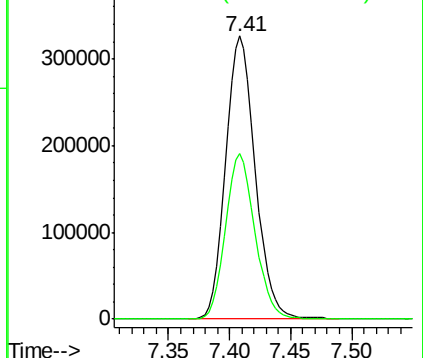
91 100

92 58.4 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#46

Tetrachloroethene

Concen: 1.757 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV018785.D

Acq: 09 Oct 2020 01:25

Tgt Ion: 164 Resp: 3832

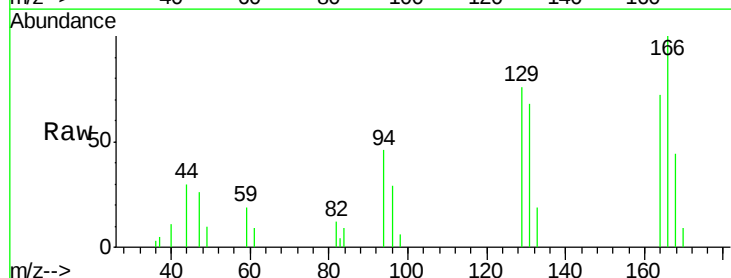
Ion Ratio Lower Upper

164 100

129 106.4 64.6 120.0

131 95.4 63.6 118.0

166 139.6 88.3 164.1

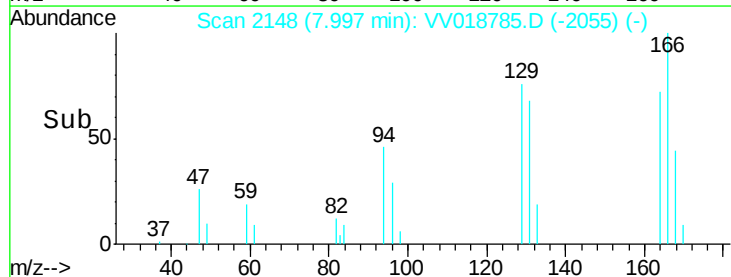
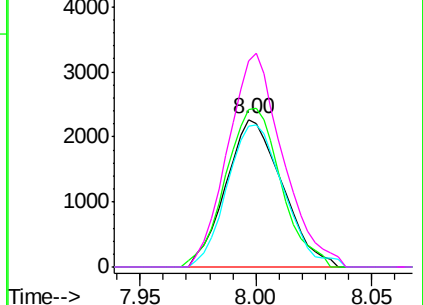


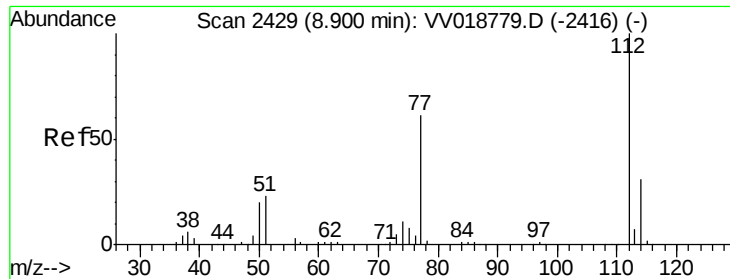
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

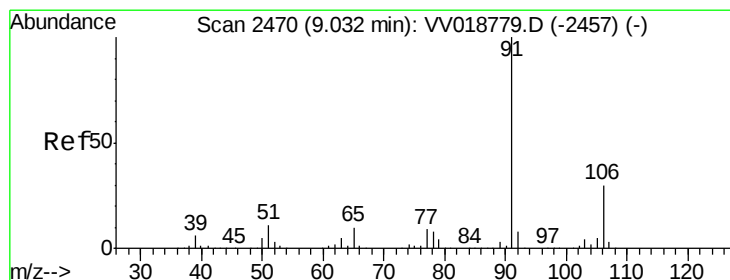
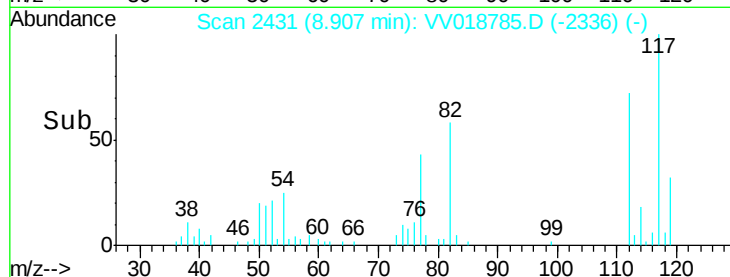
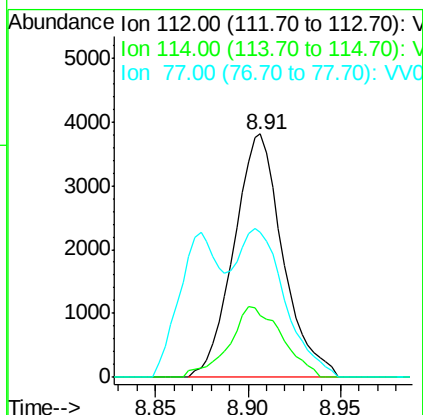
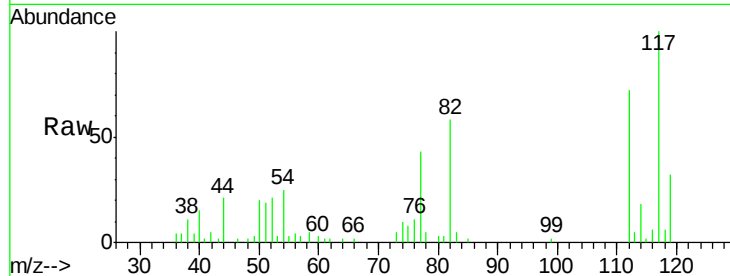




#51
Chlorobenzene
Concen: 0.991 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.01 min
Lab File: VV018785.D
Acq: 09 Oct 2020 01:25

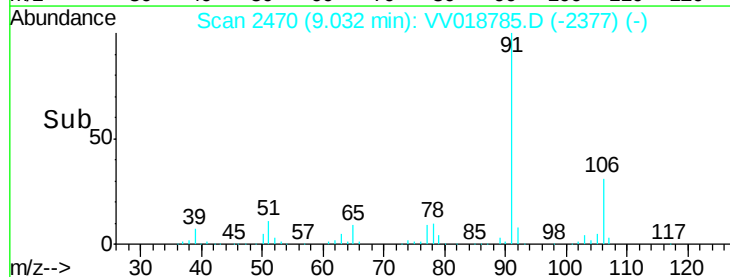
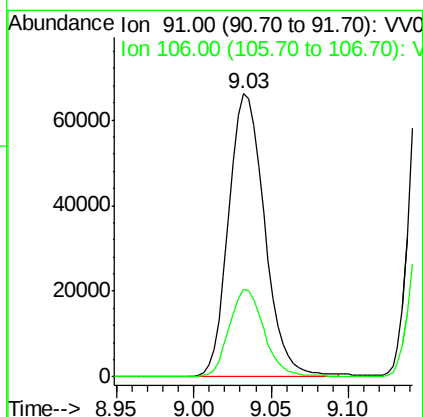
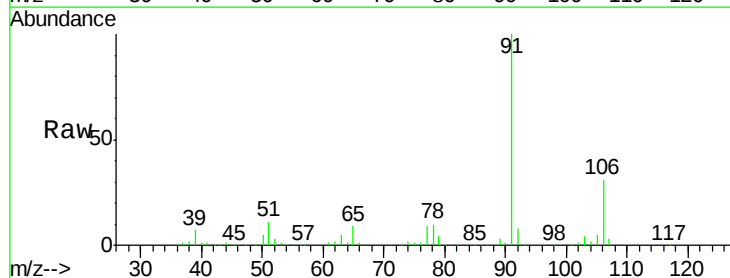
Instrument :
MSVOA_V
ClientSampleId :
BG3P7DL

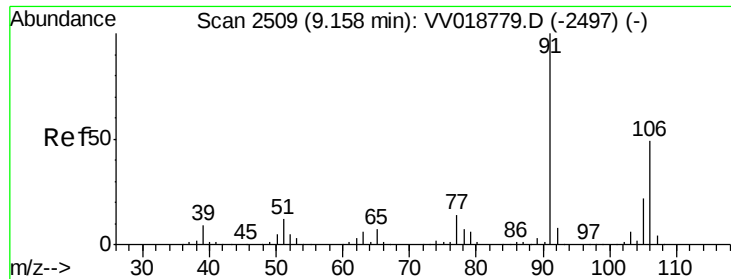
Tot Ion:112 Resp: 6988
Ion Ratio Lower Upper
112 100
114 25.5 22.0 41.0
77 59.3 49.8 74.6



#52
Ethylbenzene
Concen: 8.874 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV018785.D
Acq: 09 Oct 2020 01:25

Tgt Ion: 91 Resp: 107032
Ion Ratio Lower Upper
91 100
106 30.7 20.9 38.9





#53

m,p-Xylene

Concen: 34.476 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018785.D

Acq: 09 Oct 2020 01:25

Instrument :

MSVOA_V

ClientSampleId :

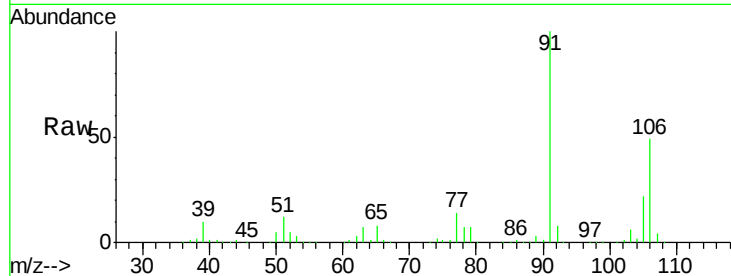
BG3P7DL

Tot Ion:106 Resp: 152639

Ion Ratio Lower Upper

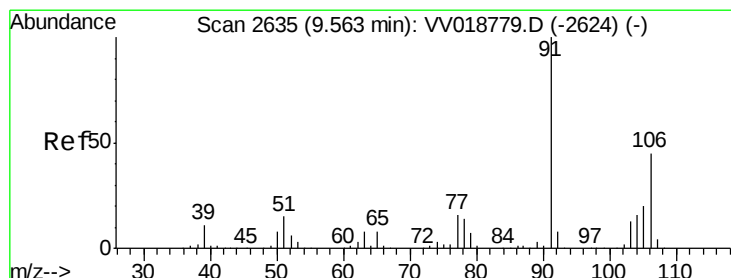
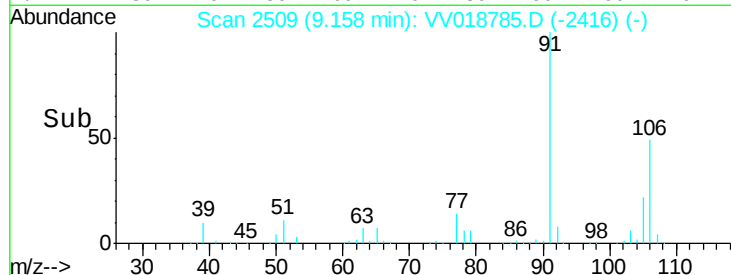
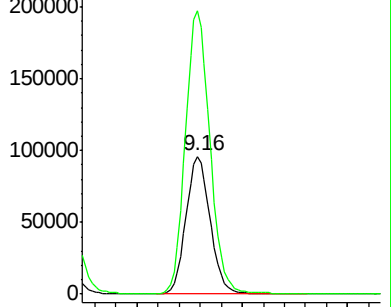
106 100

91 205.7 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 14.729 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018785.D

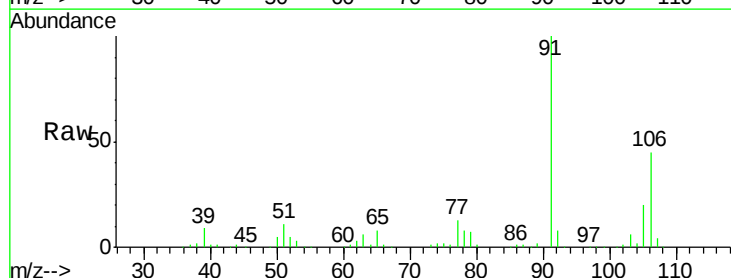
Acq: 09 Oct 2020 01:25

Tgt Ion:106 Resp: 61933

Ion Ratio Lower Upper

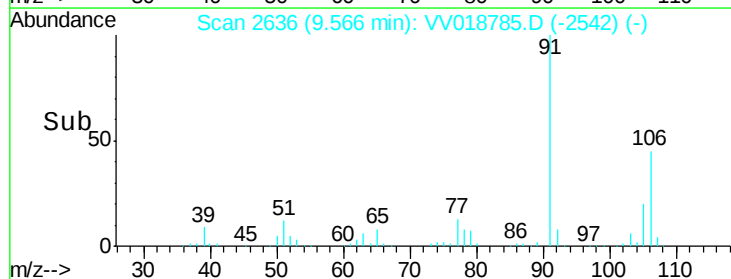
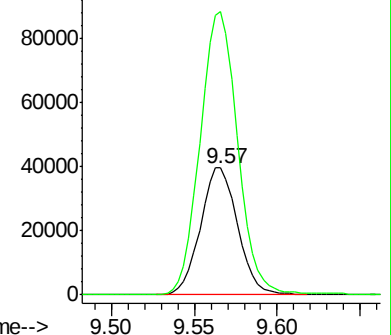
106 100

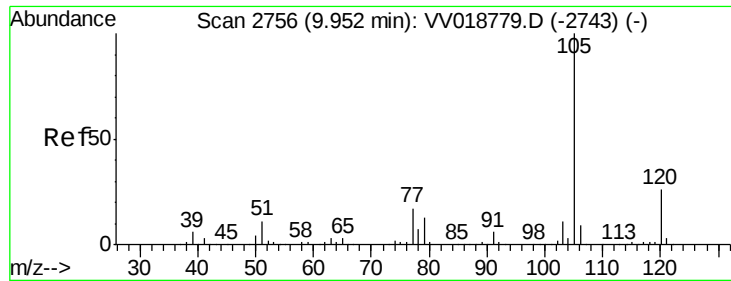
91 223.0 156.8 291.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#56

Isopropylbenzene

Concen: 14.638 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018785.D

Acq: 09 Oct 2020 01:25

Instrument :

MSVOA_V

ClientSampled :

BG3P7DL

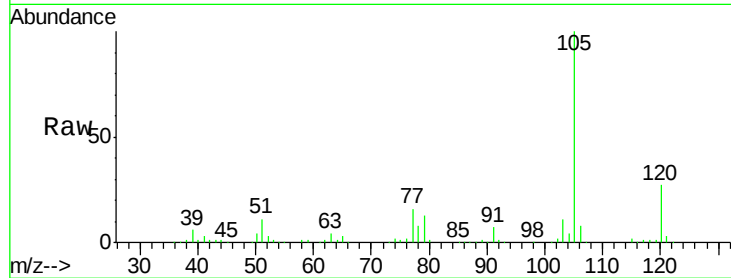
Tot Ion:105 Resp: 170308

Ion Ratio Lower Upper

105 100

120 26.6 20.4 30.6

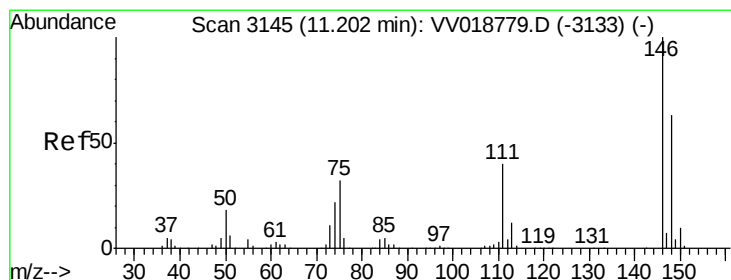
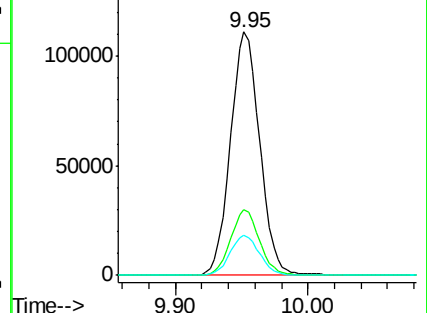
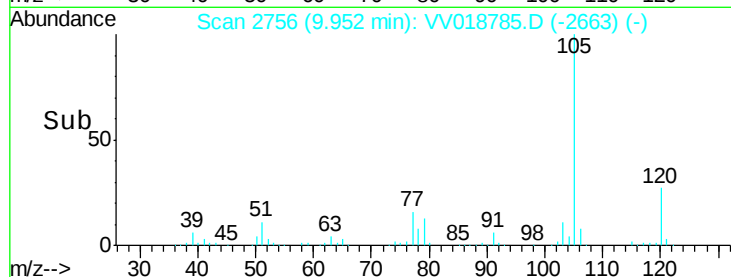
77 16.6 13.0 19.6



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): V



#62

1,3-Dichlorobenzene

Concen: 0.851 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV018785.D

Acq: 09 Oct 2020 01:25

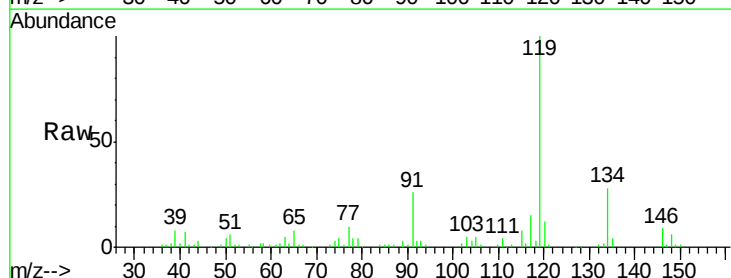
Tgt Ion:146 Resp: 4740

Ion Ratio Lower Upper

146 100

111 42.9 27.8 51.6

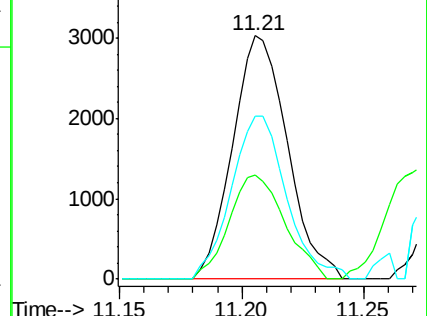
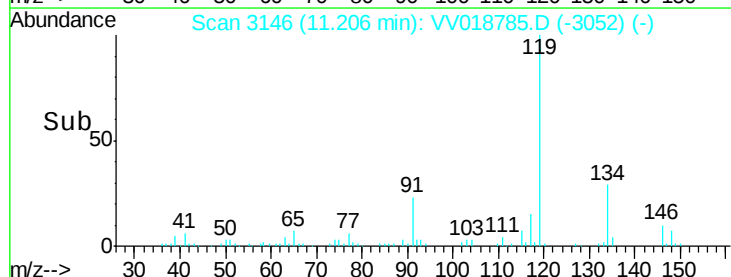
148 66.8 45.4 84.4

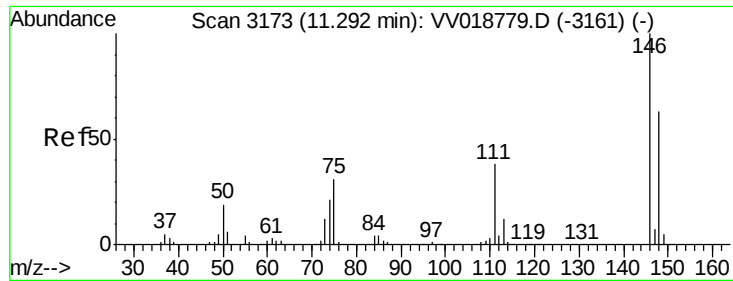


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 1.201 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV018785.D

Acq: 09 Oct 2020 01:25

Instrument :

MSVOA_V

ClientSampled :

BG3P7DL

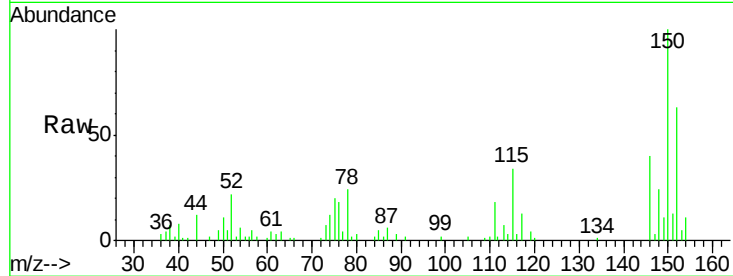
Tot Ion:146 Resp: 6961

Ion Ratio Lower Upper

146 100

111 44.5 27.1 50.3

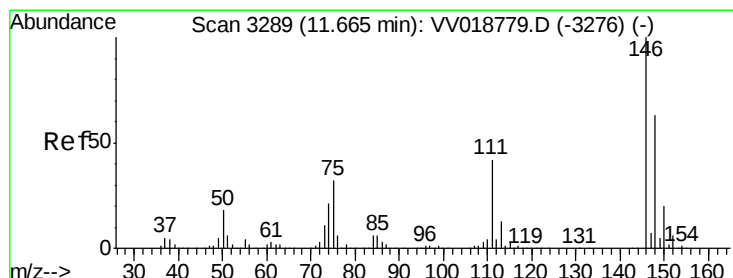
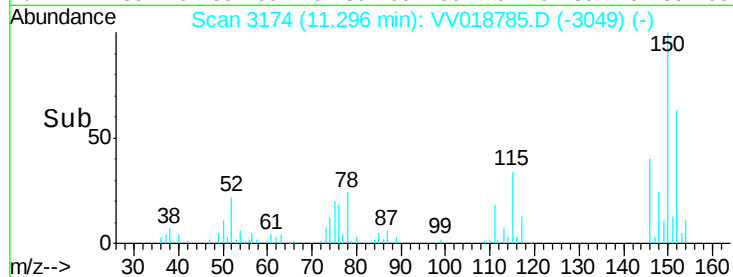
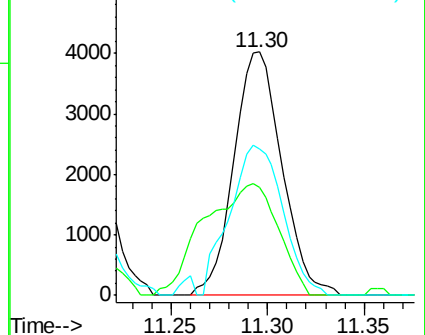
148 60.1 45.4 84.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 1.502 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018785.D

Acq: 09 Oct 2020 01:25

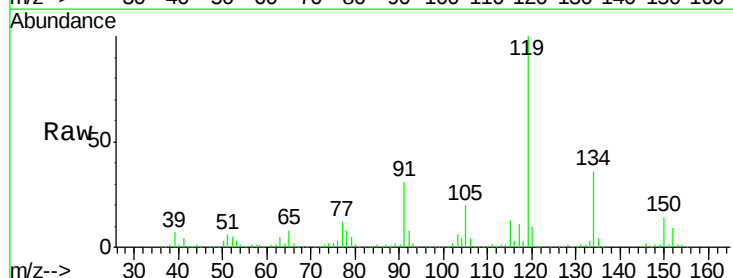
Tgt Ion:146 Resp: 8399

Ion Ratio Lower Upper

146 100

111 52.3 33.8 50.6#

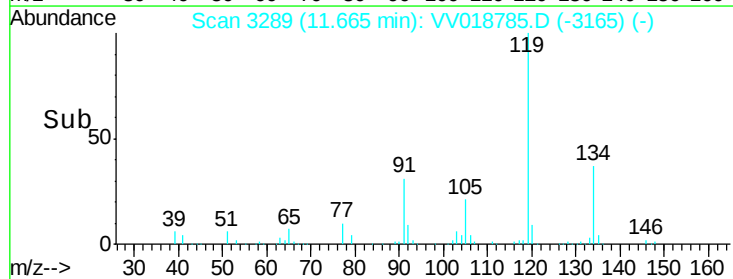
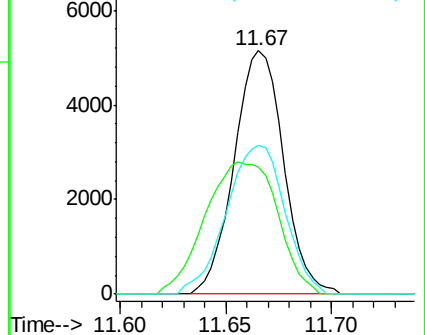
148 61.1 50.3 75.5

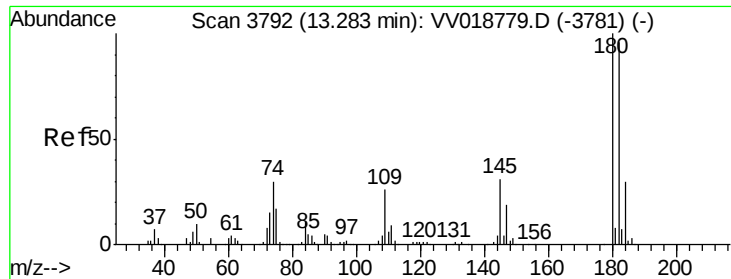


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

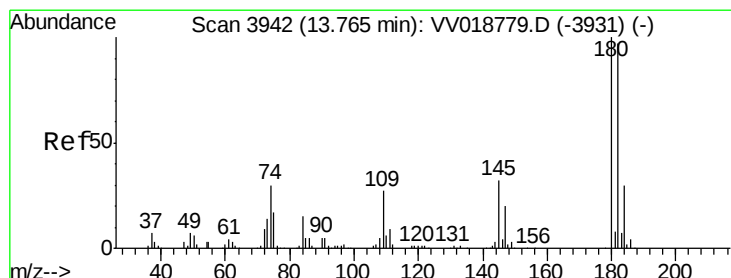
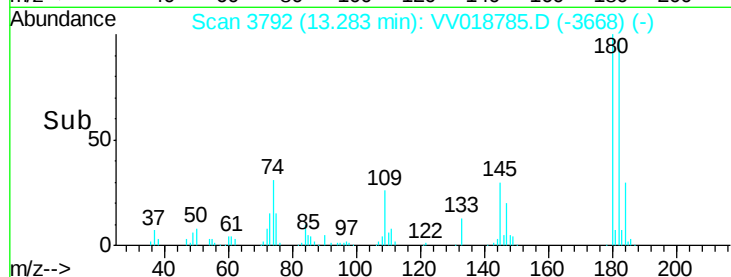
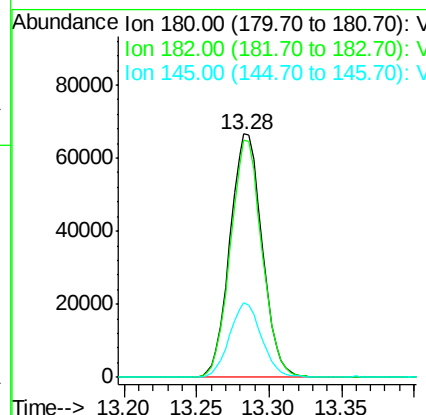
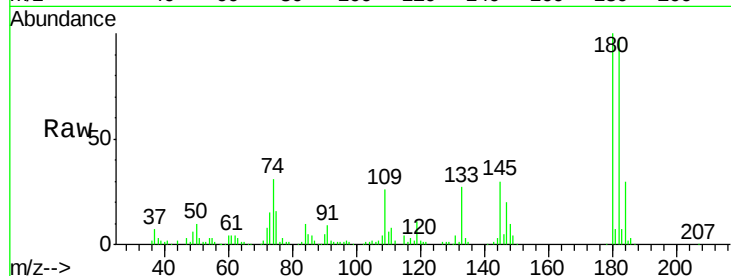




#68
 1,2,4-trichlorobenzene
 Concen: 30.325 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018785.D
 Acq: 09 Oct 2020 01:25

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3P7DL

Tot Ion:180 Resp: 102876
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.7 115.1
 145 30.0 24.0 36.0



#70
 1,2,3-Trichlorobenzene
 Concen: 9.596 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV018785.D
 Acq: 09 Oct 2020 01:25

Tgt Ion:180 Resp: 32314
 Ion Ratio Lower Upper
 180 100
 182 97.9 75.9 113.9
 145 33.1 25.2 37.8

