

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070720\
 Data File : VV017377.D
 Acq On : 07 Jul 2020 14:38
 Operator : SY/MD
 Sample : L3154-18
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 08 01:35:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 08 01:30:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	154591	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	146154	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	73077	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37929	4.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.80%
7) Chloroethane-d5	1.58	69	33638	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.12	63	63489	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.00%
20) 2-Butanone-d5	3.95	46	92634	39.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.34%
24) Chloroform-d	4.38	84	93560	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.06	65	53943	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.07	84	171187	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.10	67	49354	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.00%
41) Toluene-d8	7.34	98	153101	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
45) trans-1,3-Dichloropropene-	7.65	79	20774	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
48) 2-Hexanone-d5	8.11	63	70593	39.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.38%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	34722	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	64936	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	31165	3.072	ug/L	97
8) Chloroethane	1.55	64	1043	0.186	ug/L	86
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	755	0.092	ug/L #	21
14) Carbon disulfide	2.31	76	3014	0.136	ug/L #	88
18) trans-1,2-Dichloroethene	2.78	96	4739	0.603	ug/L	83
19) 1,1-Dichloroethane	3.21	63	2667	0.151	ug/L #	89
22) cis-1,2-Dichloroethene	3.94	96	77133	7.174	ug/L	100
33) Benzene	5.13	78	12506	0.327	ug/L	100
34) Trichloroethene	5.94	95	2689	0.240	ug/L #	81
37) 1,2-Dichloropropane	6.10	63	6595	0.696	ug/L #	84
39) cis-1,3-Dichloropropene	7.01	75	1677	0.119	ug/L #	56
42) Toluene	7.41	91	9249	0.208	ug/L	98
46) trans-1,3-Dichloropropene	7.65	75	1316	0.108	ug/L	90
50) 2-Hexanone	8.16	43	3588	0.922	ug/L #	64
53) Chlorobenzene	8.91	112	1862	0.067	ug/L #	63
54) Ethylbenzene	9.04	91	18896	0.398	ug/L	98
55) m,p-xylene	9.16	106	4772	0.256	ug/L	80

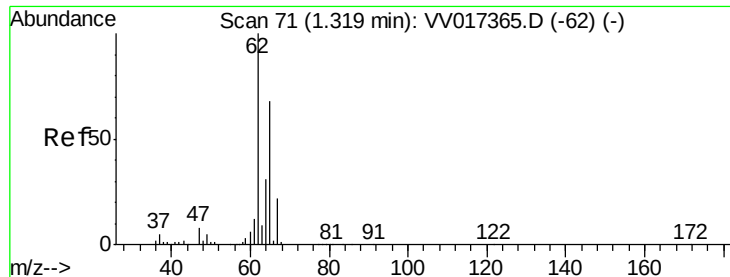
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070720\
Data File : VV017377.D
Acq On : 07 Jul 2020 14:38
Operator : SY/MD
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ClientSampleId :

Quant Time: Jul 08 01:35:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 08 01:30:57 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
58) Isopropylbenzene	9.95	105	2484	0.052	ug/L	94

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



#5

Vinyl chloride

Concen: 3.072 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017377.D

Acq: 07 Jul 2020 14:38

Instrument :

MSVOA_V

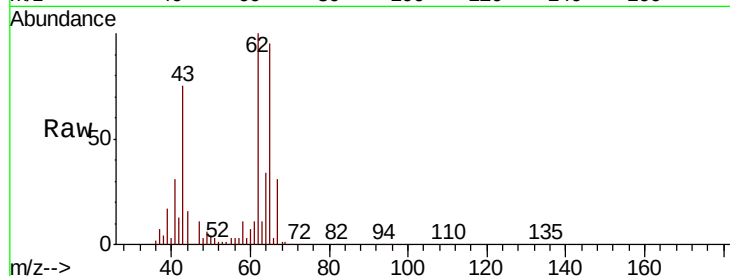
ClientSampleId :

Tot Ion: 62 Resp: 31165

Ion Ratio Lower Upper

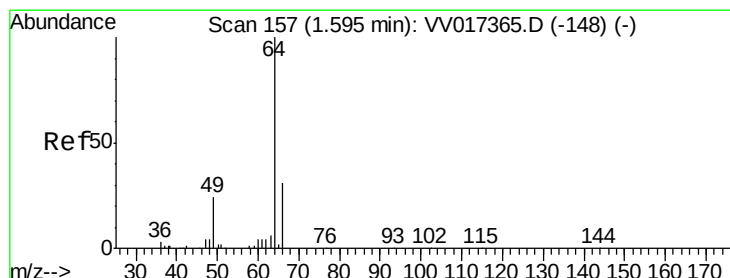
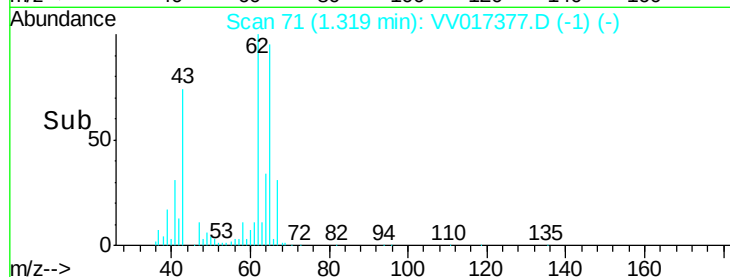
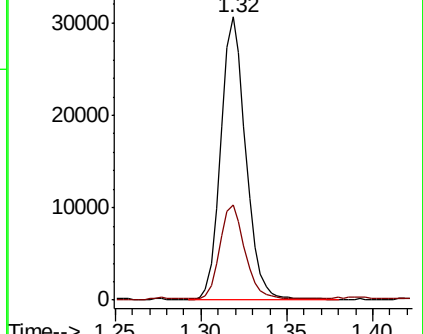
62 100

64 33.5 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV017377.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV017377.D (-64) (-)



#8

Chloroethane

Concen: 0.186 ug/L

RT: 1.55 min Scan# 144

Delta R.T. -0.04 min

Lab File: VV017377.D

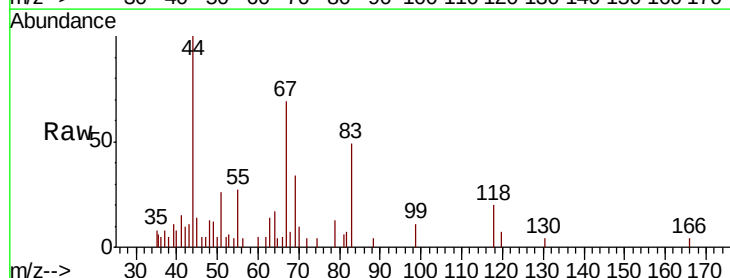
Acq: 07 Jul 2020 14:38

Tgt Ion: 64 Resp: 1043

Ion Ratio Lower Upper

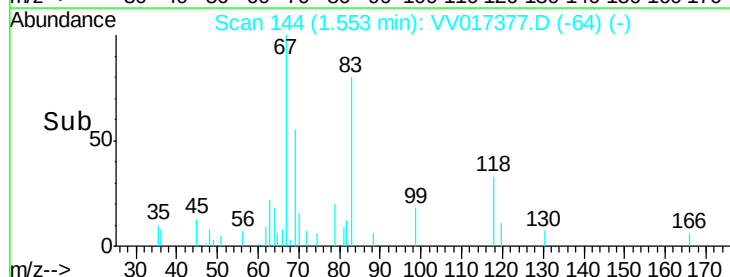
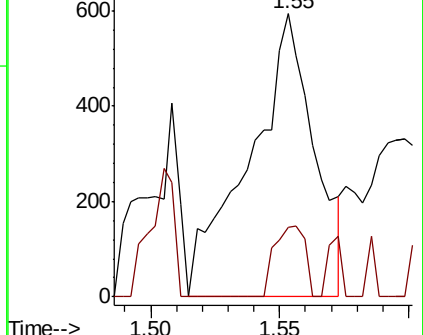
64 100

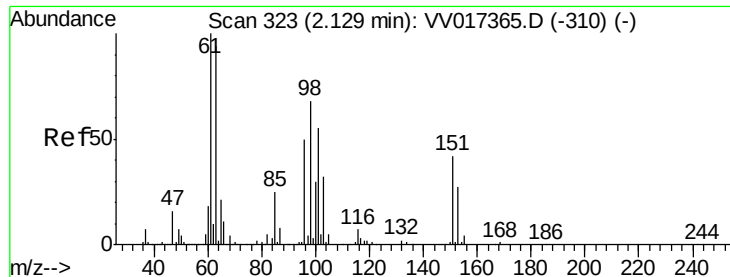
66 24.7 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV017377.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV017377.D (-66) (-)





#10

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

Concen: 0.092 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017377.D

Acq: 07 Jul 2020 14:38

Instrument :

MSVOA_V

ClientSampleId :

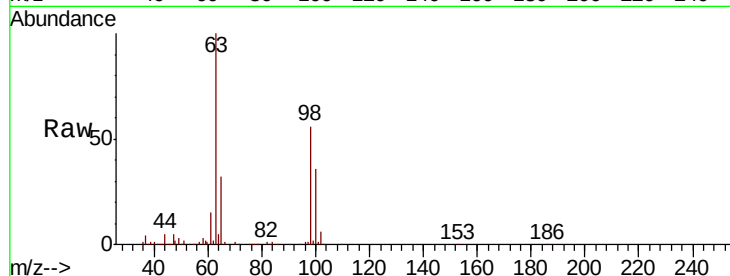
Tot Ion:101 Resp: 755

Ion Ratio Lower Upper

101 100

85 6.4 35.4 53.2#

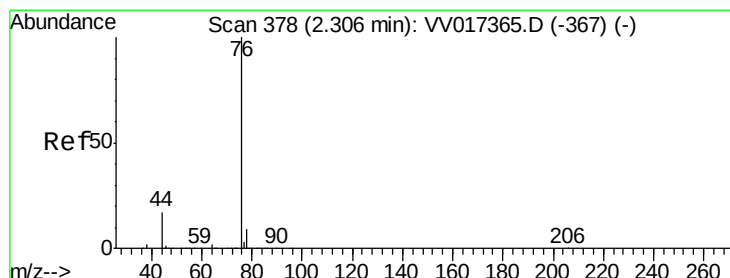
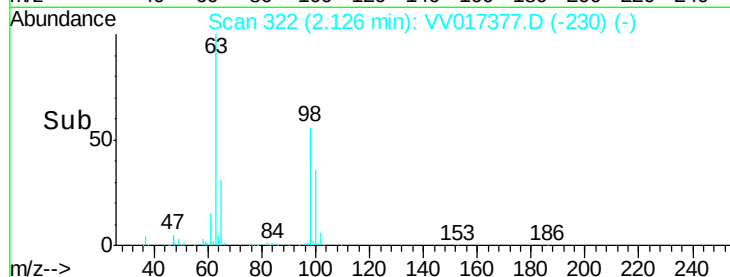
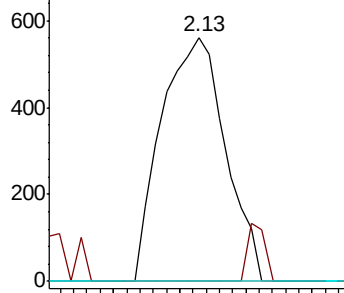
151 0.0 63.9 95.9#



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



#14

Carbon disulfide

Concen: 0.136 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017377.D

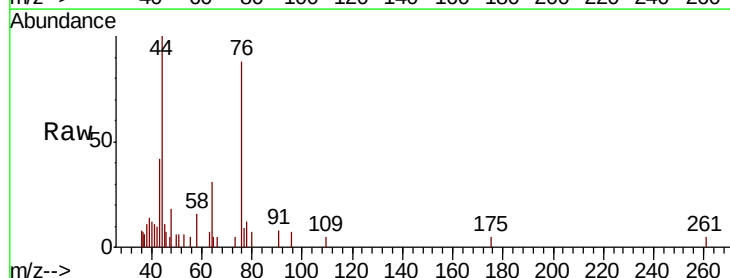
Acq: 07 Jul 2020 14:38

Tgt Ion: 76 Resp: 3014

Ion Ratio Lower Upper

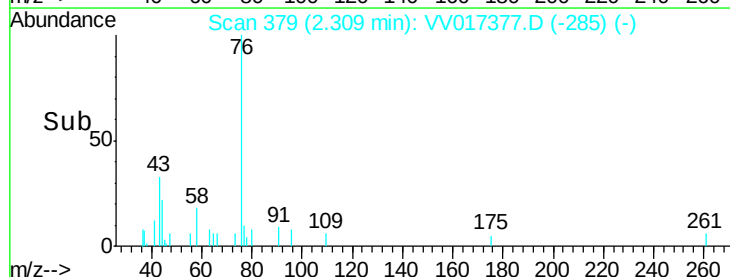
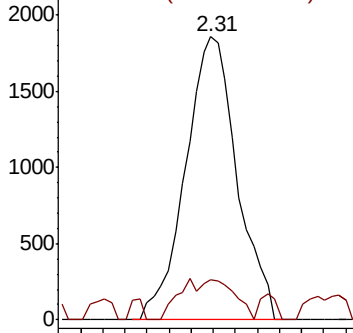
76 100

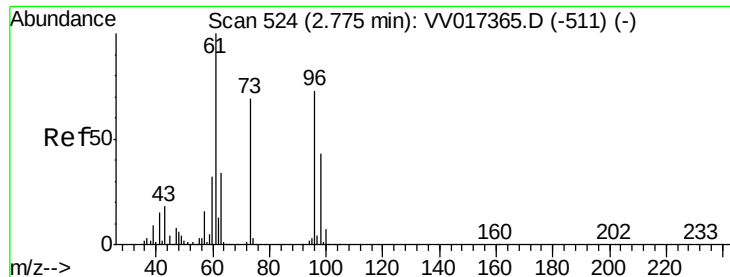
78 14.1 7.7 11.5#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#18

trans-1,2-Dichloroethene

Concen: 0.603 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017377.D

Acq: 07 Jul 2020 14:38

Instrument :

MSVOA_V

ClientSampled :

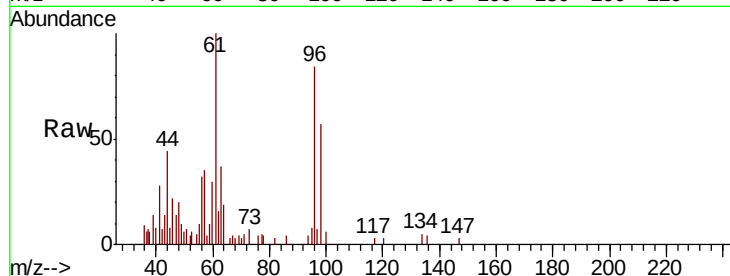
Tot Ion: 96 Resp: 4739

Ion Ratio Lower Upper

96 100

61 119.2 102.3 189.9

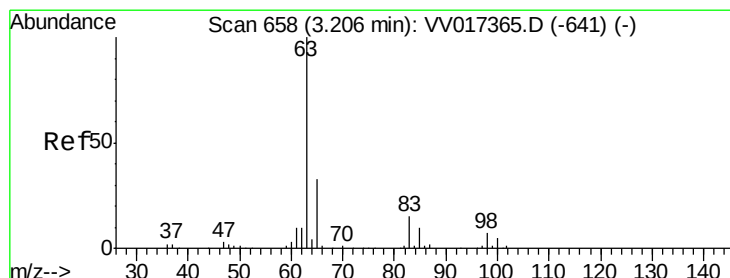
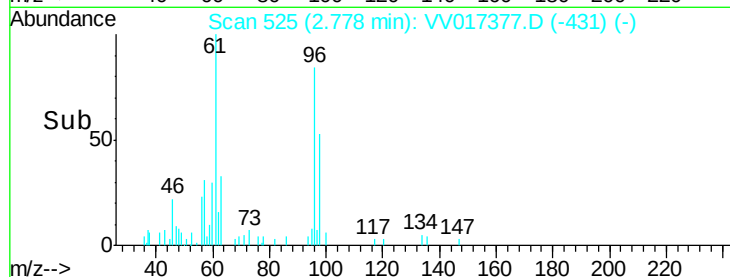
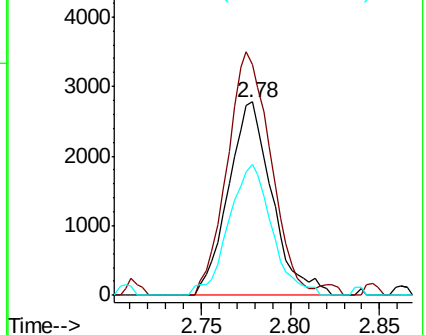
98 67.7 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#19

1,1-Dichloroethane

Concen: 0.151 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017377.D

Acq: 07 Jul 2020 14:38

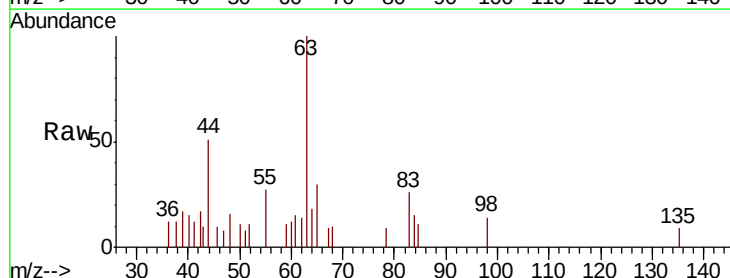
Tgt Ion: 63 Resp: 2667

Ion Ratio Lower Upper

63 100

65 29.9 21.8 40.4

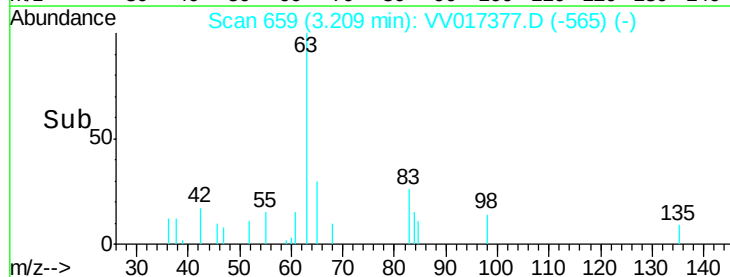
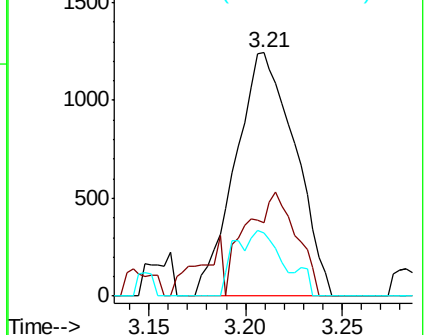
83 25.7 9.7 17.9#

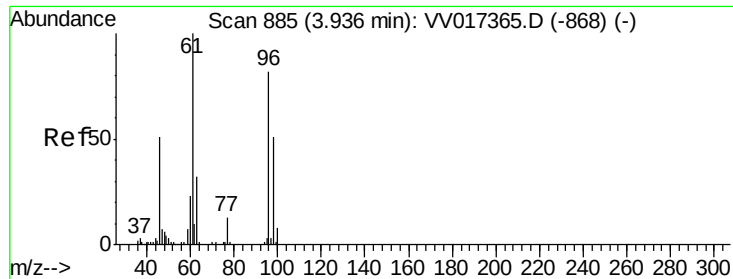


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



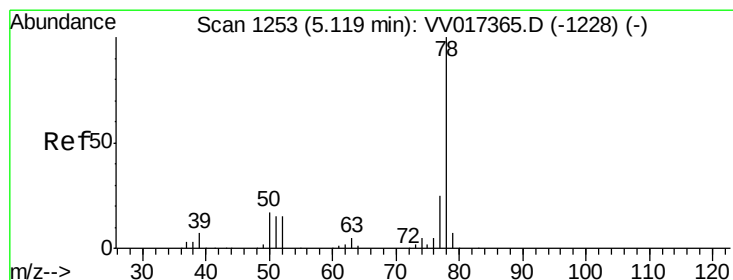
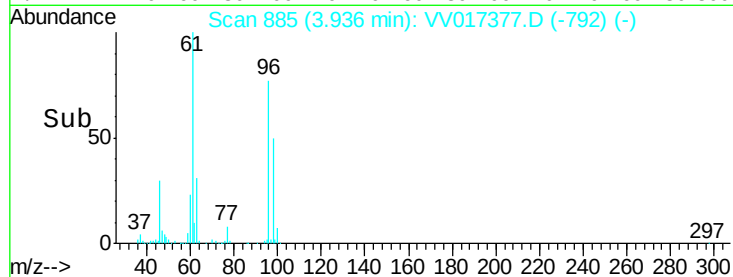
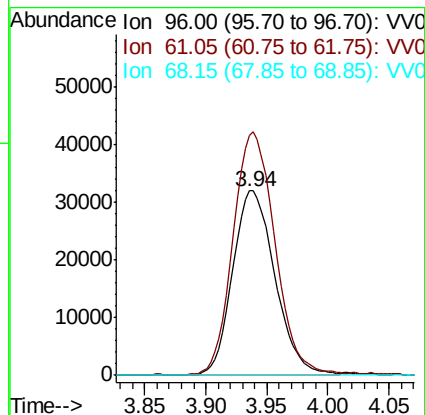
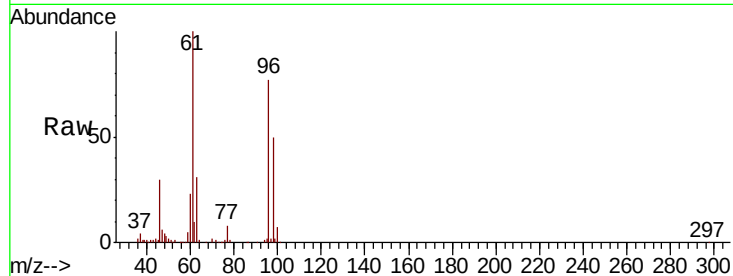


#22

cis-1,2-Dichloroethene
Concen: 7.174 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.00 min
Lab File: VV017377.D
Acq: 07 Jul 2020 14:38

Instrument :
MSVOA_V
ClientSampled :

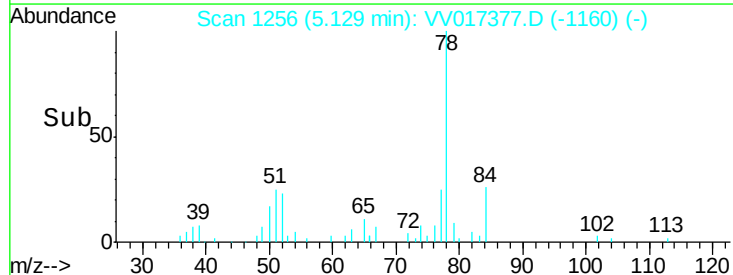
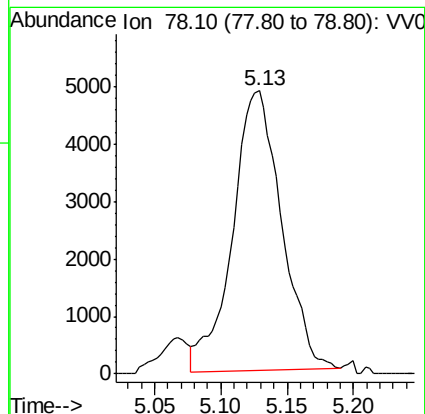
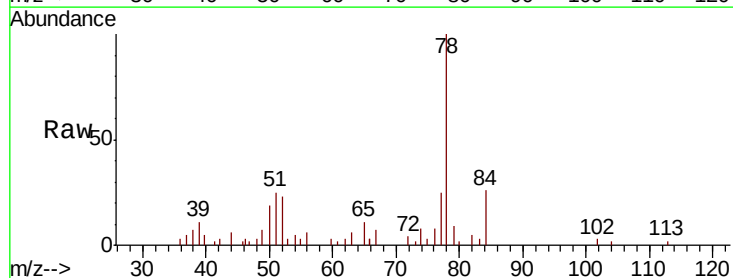
Tot Ion: 96 Resp: 77133
Ion Ratio Lower Upper
96 100
61 130.0 91.0 169.0
68 0.0 0.0 0.0

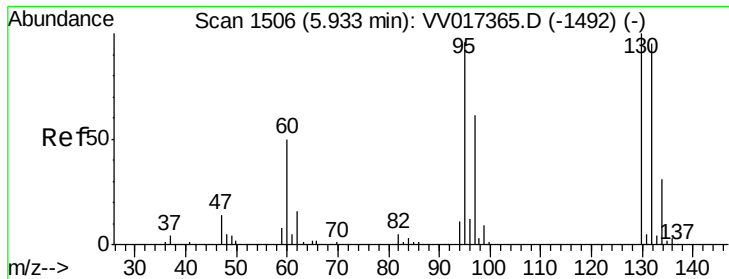


#33

Benzene
Concen: 0.327 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV017377.D
Acq: 07 Jul 2020 14:38

Tgt Ion: 78 Resp: 12506





#34

Trichloroethene

Concen: 0.240 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV017377.D

Acq: 07 Jul 2020 14:38

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 2689

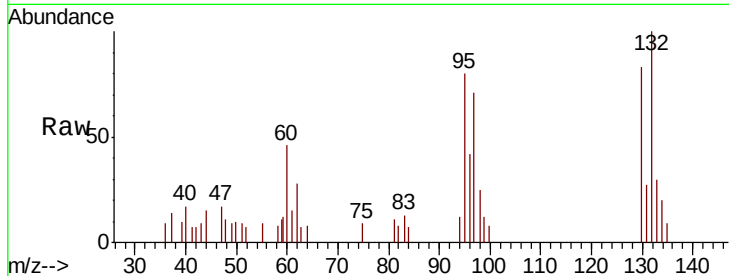
Ion Ratio Lower Upper

95 100

97 88.8 45.3 84.1#

132 124.5 68.8 127.8

130 103.3 70.2 130.4

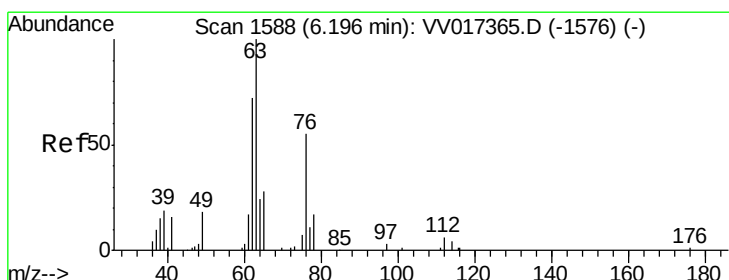
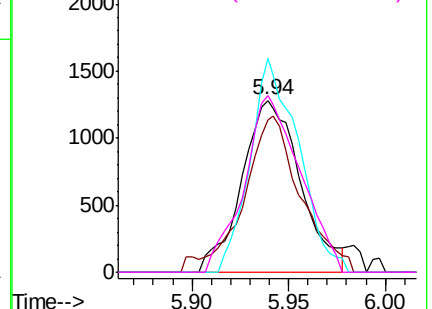
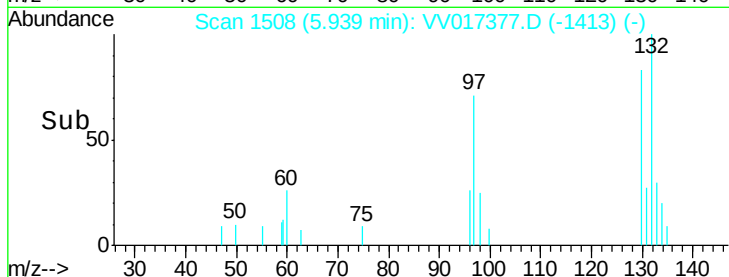


Abundance Ion 95.00 (94.70 to 95.70): VV017377.D (-1413) (-)

Ion 96.95 (96.65 to 97.65): VV017377.D (-1413) (-)

Ion 131.95 (131.65 to 132.65): VV017377.D (-1413) (-)

Ion 129.95 (129.65 to 130.65): VV017377.D (-1413) (-)



#37

1,2-Dichloropropane

Concen: 0.696 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV017377.D

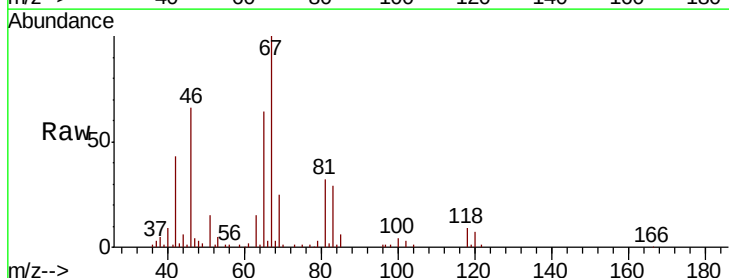
Acq: 07 Jul 2020 14:38

Tgt Ion: 63 Resp: 6595

Ion Ratio Lower Upper

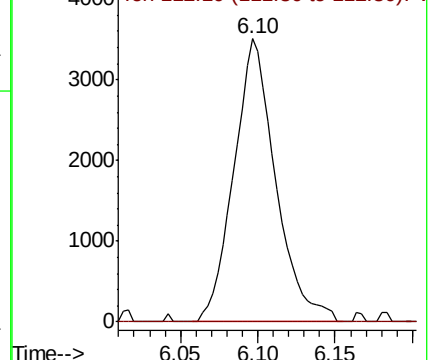
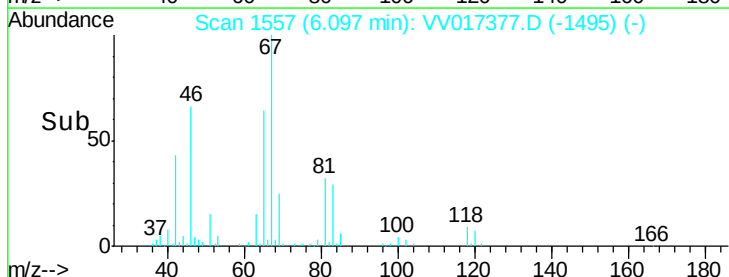
63 100

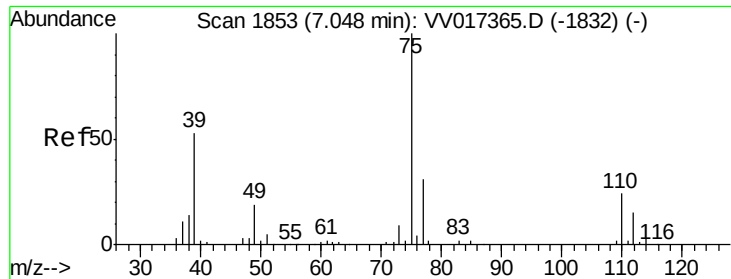
112 0.0 4.4 6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV017377.D (-1495) (-)

Ion 112.10 (111.80 to 112.80): VV017377.D (-1495) (-)

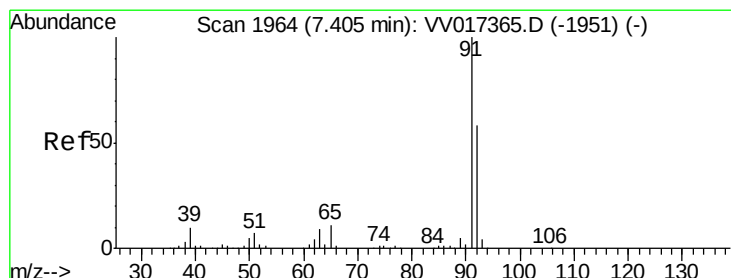
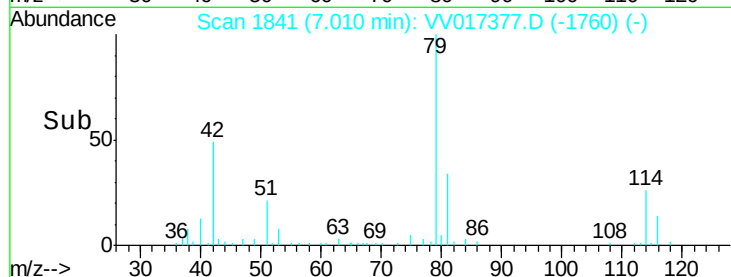
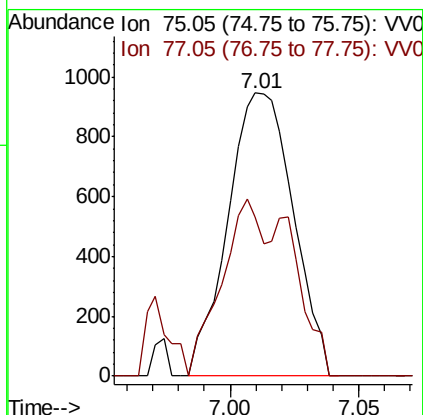
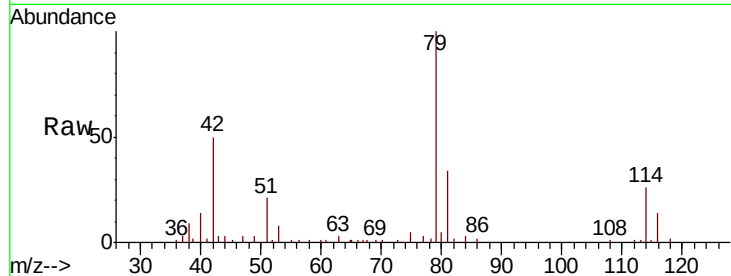




#39
 cis-1,3-Dichloropropene
 Concen: 0.119 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017377.D
 Acq: 07 Jul 2020 14:38

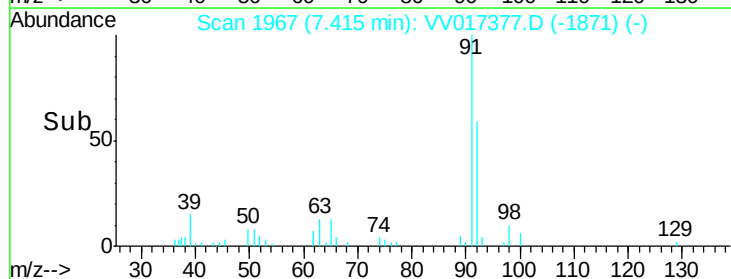
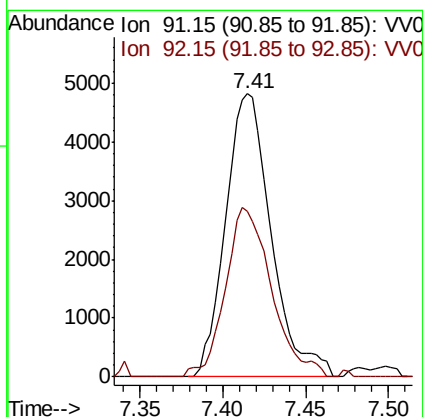
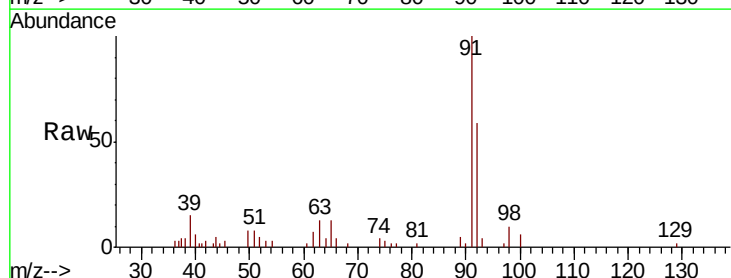
Instrument :
 MSVOA_V
 ClientSampleId :

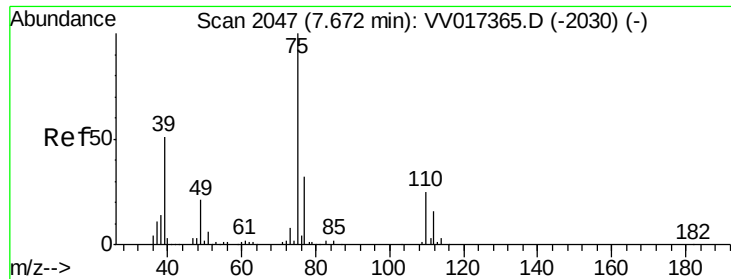
Tot Ion: 75 Resp: 1677
 Ion Ratio Lower Upper
 75 100
 77 56.3 22.3 41.5#



#42
 Toluene
 Concen: 0.208 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. 0.01 min
 Lab File: VV017377.D
 Acq: 07 Jul 2020 14:38

Tgt Ion: 91 Resp: 9249
 Ion Ratio Lower Upper
 91 100
 92 58.7 39.9 74.1





#46

trans-1,3-Dichloropropene

Concen: 0.108 ug/L

RT: 7.65 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VV017377.D

Acq: 07 Jul 2020 14:38

Instrument :

MSVOA_V

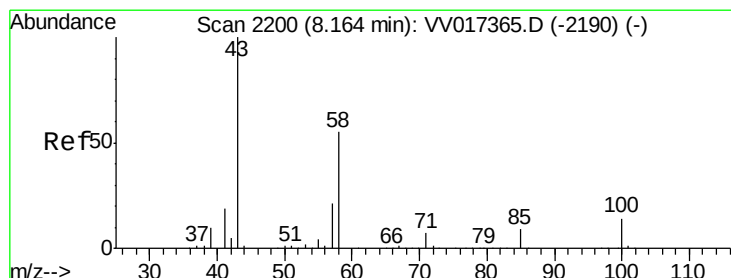
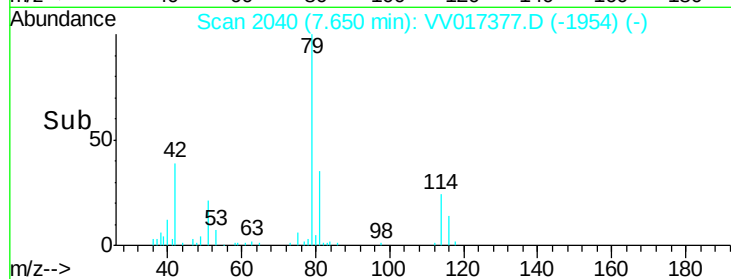
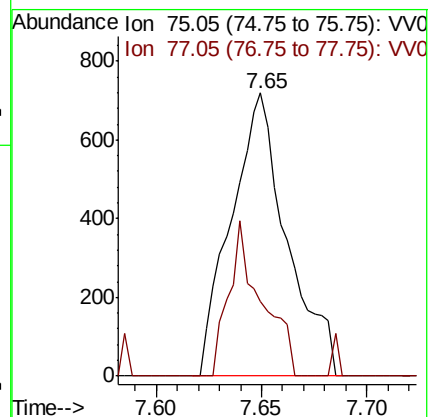
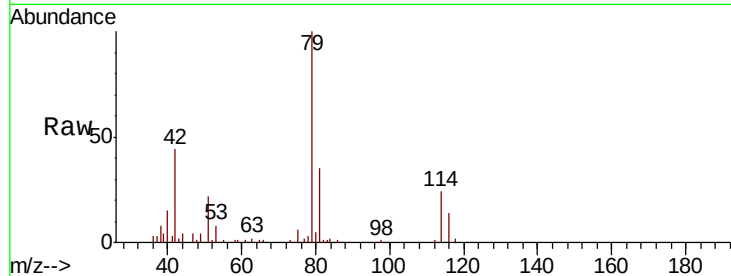
ClientSampleId :

Tot Ion: 75 Resp: 1316

Ion Ratio Lower Upper

75 100

77 26.1 22.3 41.3



#50

2-Hexanone

Concen: 0.922 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VV017377.D

Acq: 07 Jul 2020 14:38

Tgt Ion: 43 Resp: 3588

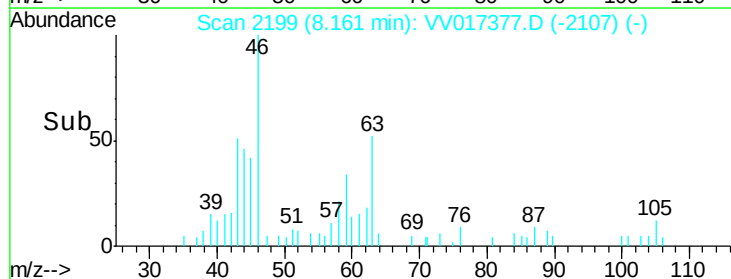
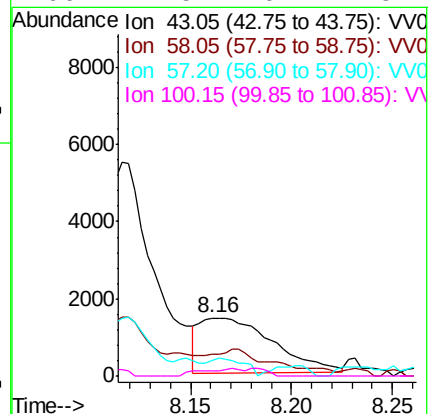
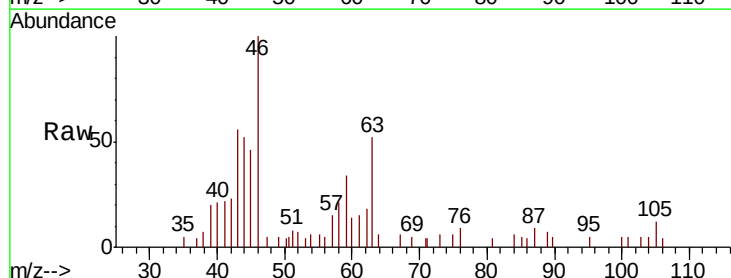
Ion Ratio Lower Upper

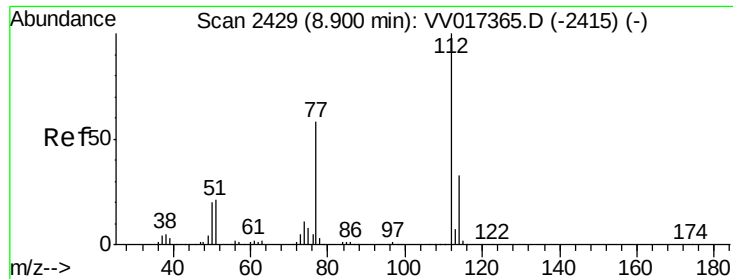
43 100

58 16.4 41.6 62.4#

57 14.3 15.4 23.0#

100 7.5 10.1 15.1#

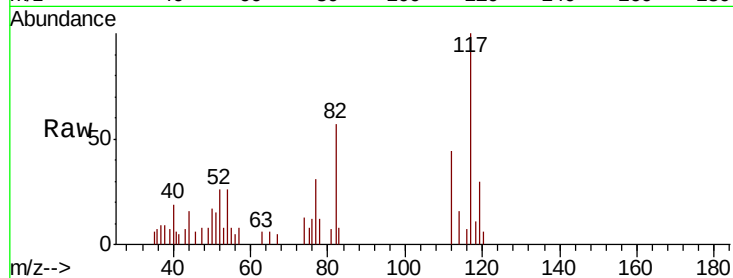




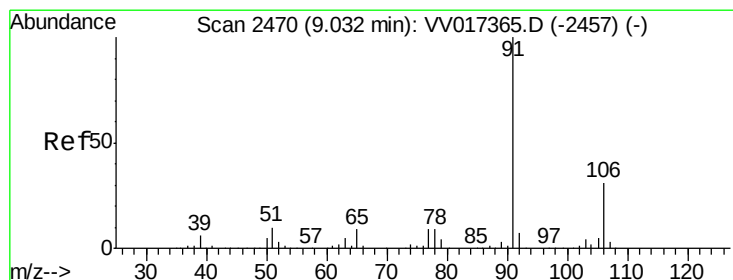
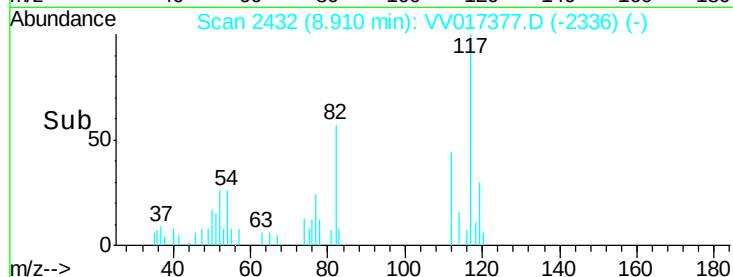
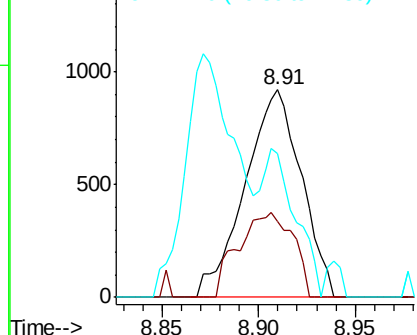
#53
Chlorobenzene
Concen: 0.067 ug/L
RT: 8.91 min Scan# 2432
Delta R.T. 0.01 min
Lab File: VV017377.D
Acq: 07 Jul 2020 14:38

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:112 Resp: 1862
Ion Ratio Lower Upper
112 100
114 36.5 22.0 41.0
77 96.3 46.0 69.0#

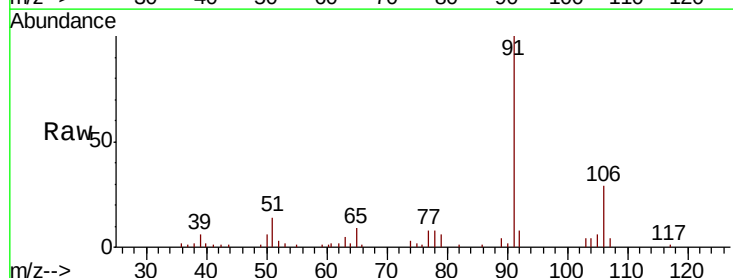


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

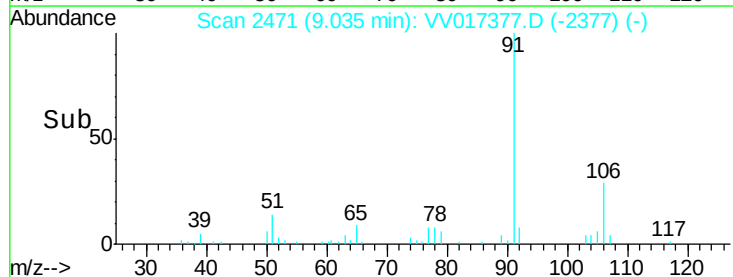
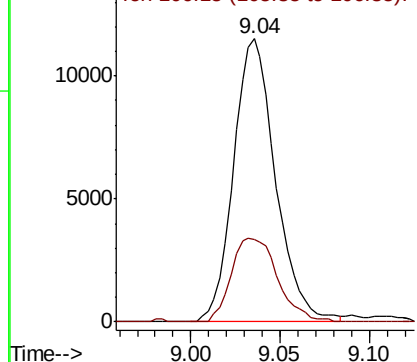


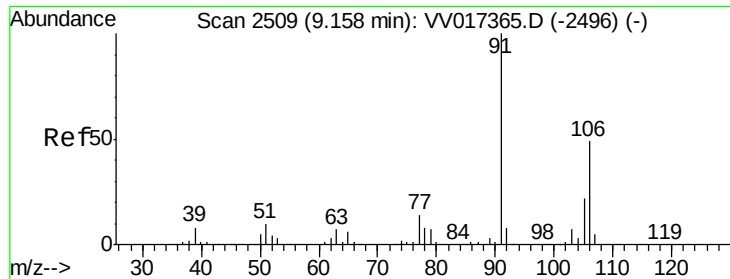
#54
Ethylbenzene
Concen: 0.398 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV017377.D
Acq: 07 Jul 2020 14:38

Tgt Ion: 91 Resp: 18896
Ion Ratio Lower Upper
91 100
106 29.1 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): V
Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 0.256 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV017377.D

Acq: 07 Jul 2020 14:38

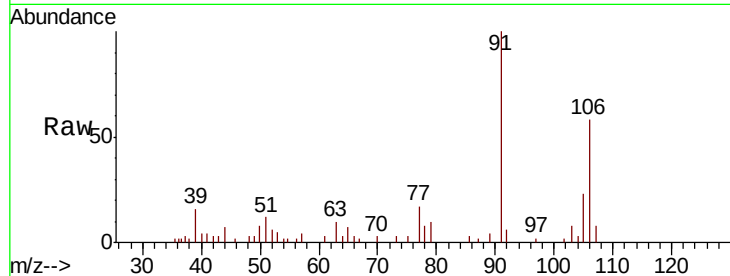
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 4772

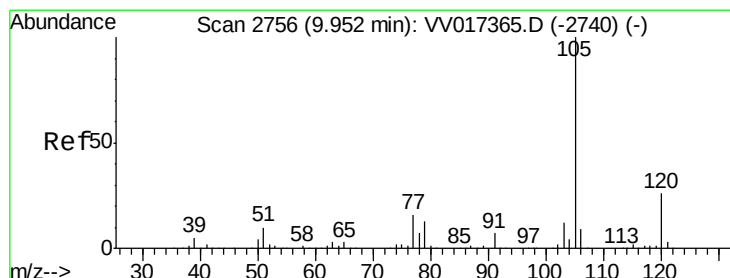
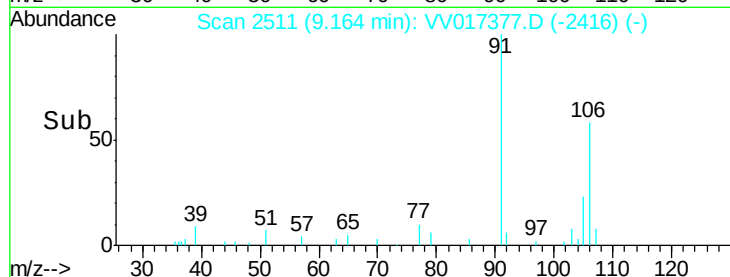
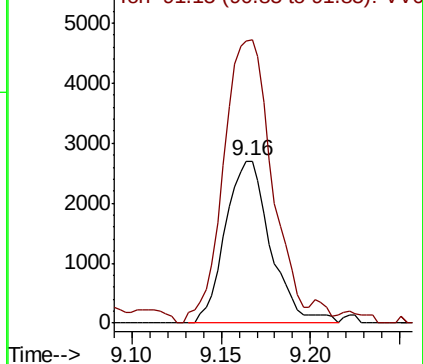
Ion Ratio Lower Upper

106 100

91 173.7 142.7 264.9



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0



#58

Isopropylbenzene

Concen: 0.052 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017377.D

Acq: 07 Jul 2020 14:38

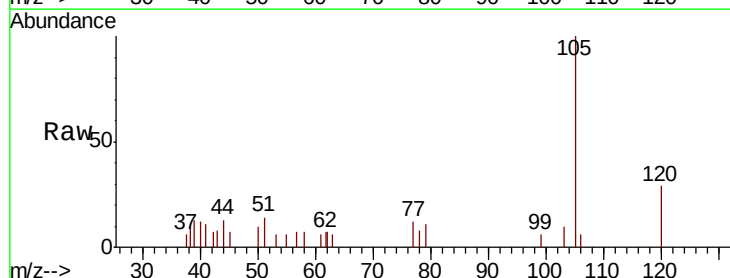
Tgt Ion:105 Resp: 2484

Ion Ratio Lower Upper

105 100

120 30.5 21.2 31.8

77 14.7 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): VV0

