

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052920\
 Data File : VV016323.D
 Acq On : 29 May 2020 18:25
 Operator : SY/MD
 Sample : L2662-10DL 100X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 30 00:05:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 30 00:00:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	99144	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	92502	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	43832	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28908	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.58	69	23051	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.40%
11) 1,1-Dichloroethene-d2	2.12	63	41748	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	3.94	46	81956	51.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.78%
24) Chloroform-d	4.38	84	56236	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.06	65	31668	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.07	84	115039	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.10	67	34577	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.34	98	103826	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
45) trans-1,3-Dichloropropene-	7.65	79	11859	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
48) 2-Hexanone-d5	8.12	63	62891	51.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.78%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	24175	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	37174	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	3904	0.450	ug/L #	77
12) 1,1-Dichloroethene	2.13	96	897	0.153	ug/L #	1
16) Methylene chloride	2.53	84	929	0.139	ug/L	93
22) cis-1,2-Dichloroethene	3.94	96	124721	16.479	ug/L	96
33) Benzene	5.13	78	4665	0.175	ug/L	100
35) Methylcyclohexane	6.10	83	8448	0.722	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	4206	0.644	ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	974	0.105	ug/L #	73
42) Toluene	7.41	91	7885	0.272	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	1475	0.056	ug/L	96
44) 1,2,4-Trimethylbenzene	10.94	105	3454	0.127	ug/L	98
46) trans-1,3-Dichloropropene	7.65	75	514	0.067	ug/L #	60
54) Ethylbenzene	9.04	91	5862	0.181	ug/L	99
55) m,p-xylene	9.16	106	2255	0.186	ug/L	91
56) o-xylene	9.57	106	1589	0.137	ug/L	91
67) 1,2-Dibromo-3-chloropropan	12.49	75	275	0.337	ug/L #	9
70) Naphthalene	13.53	128	3089960	170.150	ug/L	100

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 00:00:26 2020
Response via : Initial Calibration

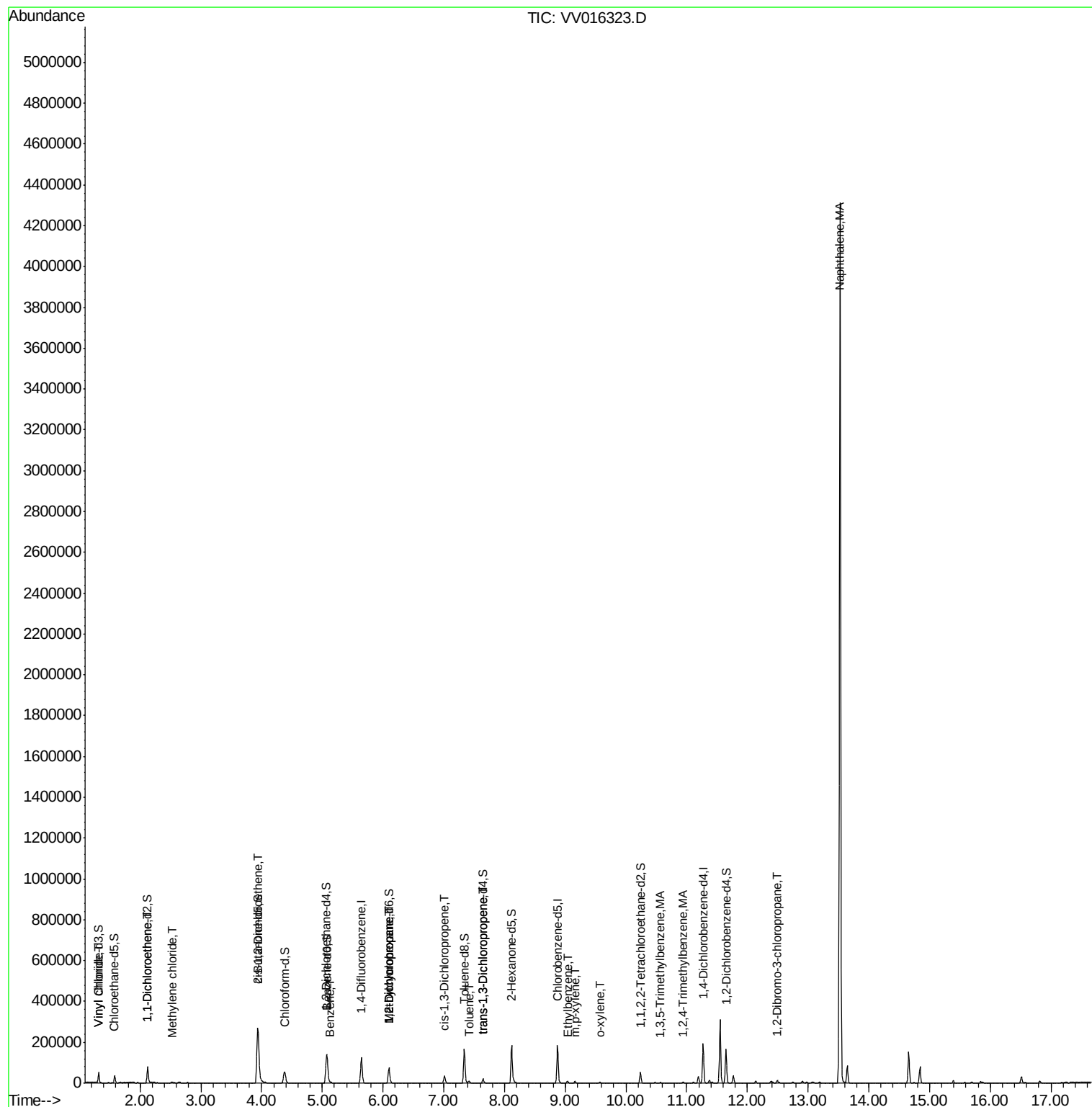
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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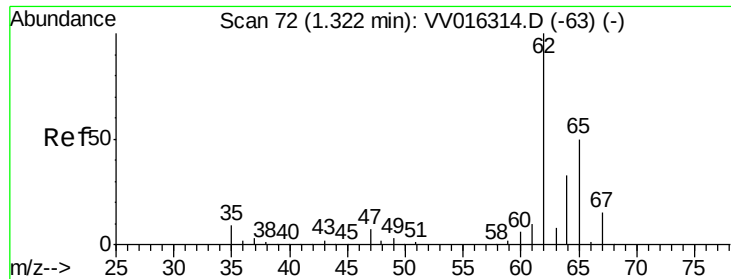
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.450 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV016323.D

Acq: 29 May 2020 18:25

Instrument :

MSVOA_V

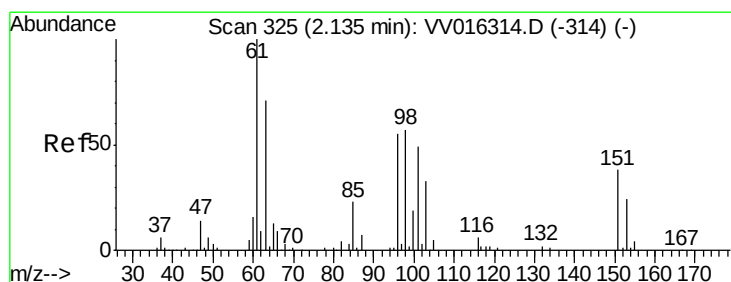
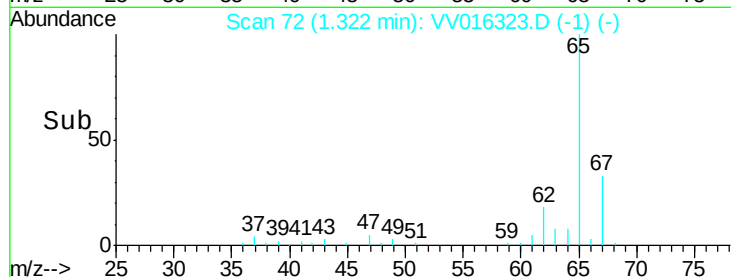
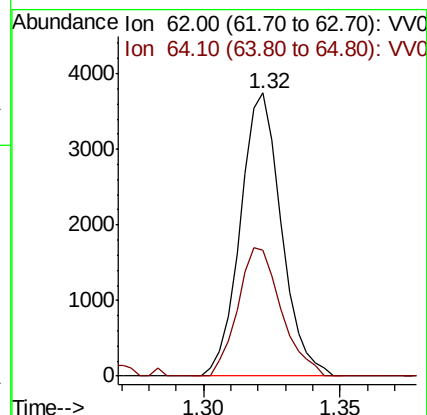
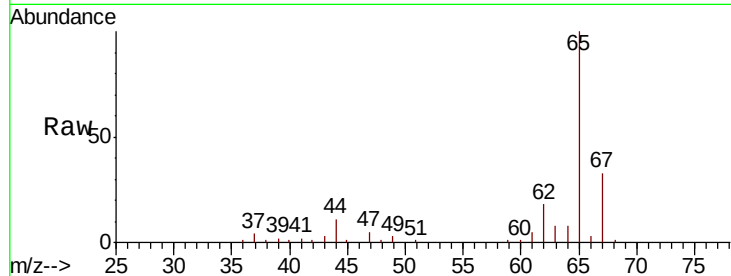
ClientSampleId :

Tot Ion: 62 Resp: 3904

Ion Ratio Lower Upper

62 100

64 44.6 22.1 41.1#



#12

1,1-Dichloroethene

Concen: 0.153 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016323.D

Acq: 29 May 2020 18:25

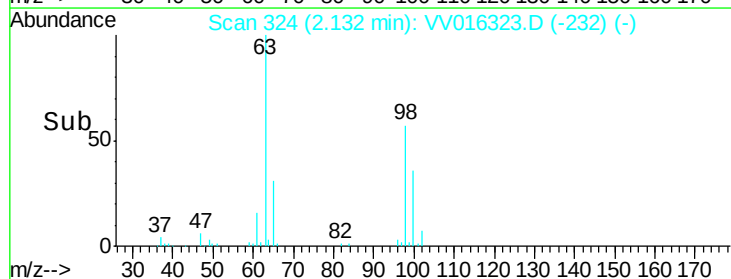
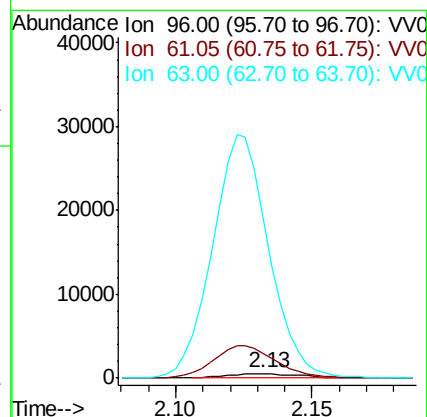
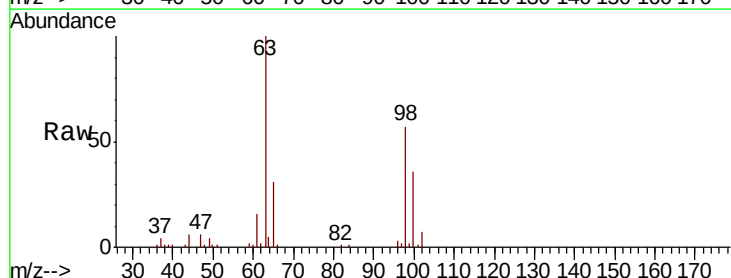
Tgt Ion: 96 Resp: 897

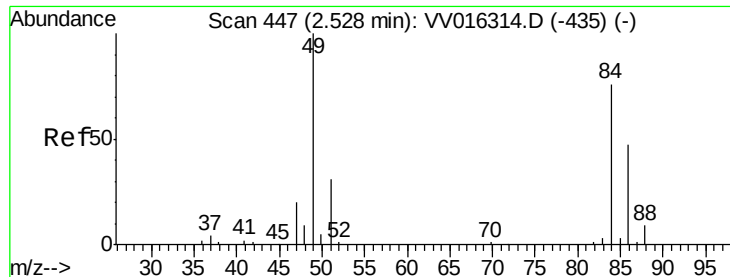
Ion Ratio Lower Upper

96 100

61 583.5 124.9 231.9#

63 3728.7 80.4 149.2#

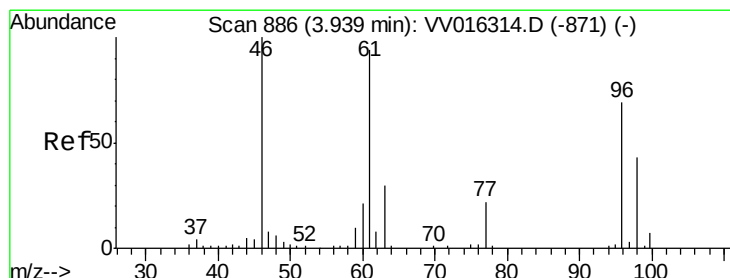
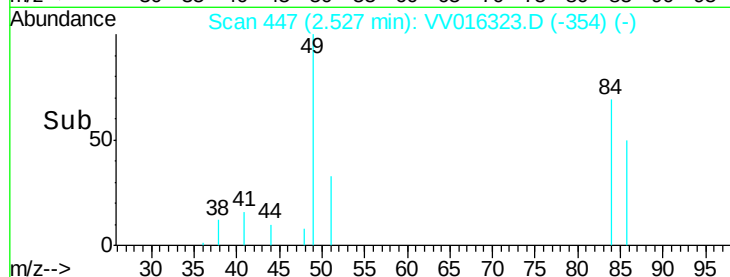
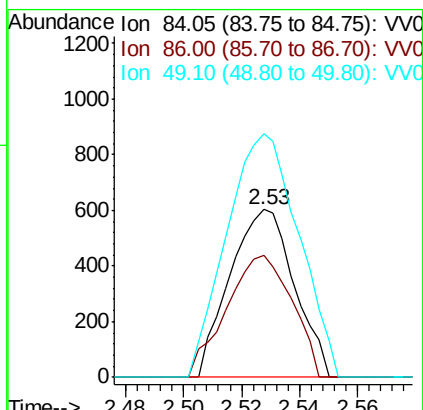
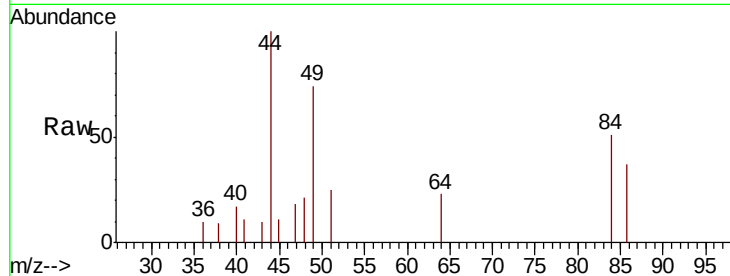




#16
Methylene chloride
Concen: 0.139 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV016323.D
Acq: 29 May 2020 18:25

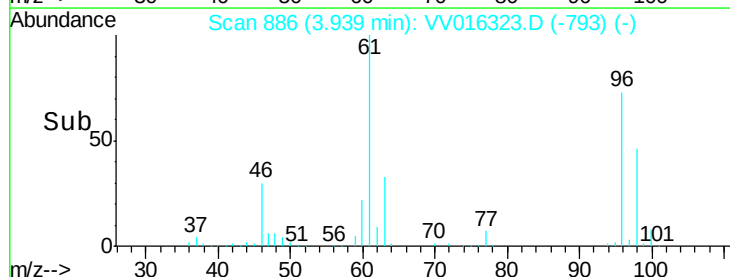
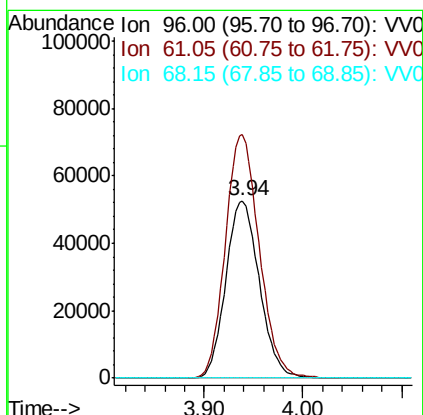
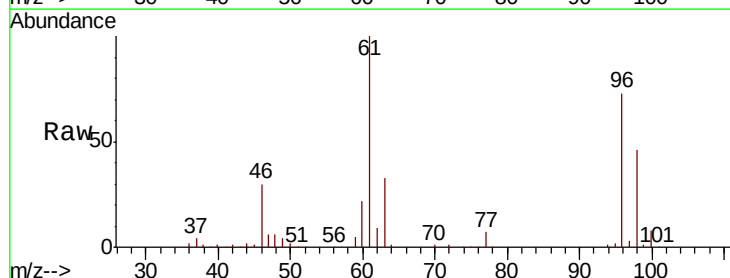
Instrument :
MSVOA_V
ClientSampleId :

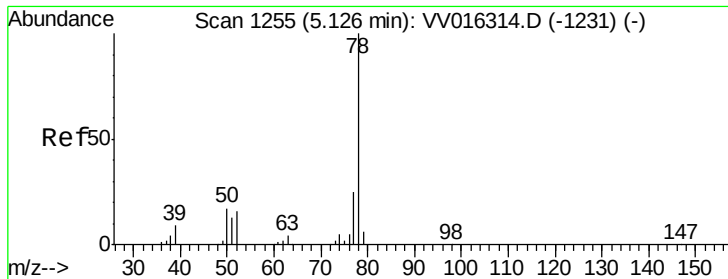
Tot Ion: 84 Resp: 929
Ion Ratio Lower Upper
84 100
86 72.6 44.9 83.5
49 145.3 96.7 179.7



#22
cis-1,2-Dichloroethene
Concen: 16.479 ug/L
RT: 3.94 min Scan# 886
Delta R.T. -0.00 min
Lab File: VV016323.D
Acq: 29 May 2020 18:25

Tgt Ion: 96 Resp: 124721
Ion Ratio Lower Upper
96 100
61 137.2 99.7 185.1
68 0.0 0.0 0.0





#33

Benzene

Concen: 0.175 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV016323.D

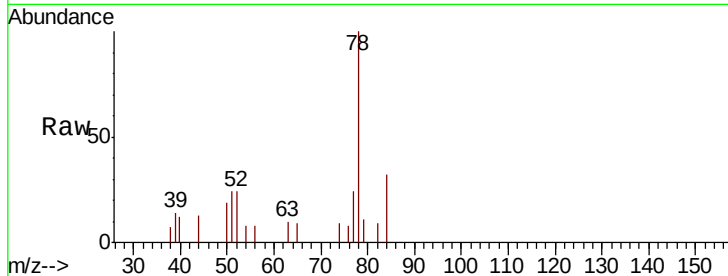
Acq: 29 May 2020 18:25

Instrument :

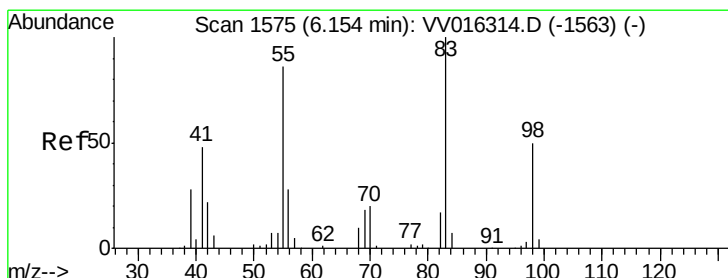
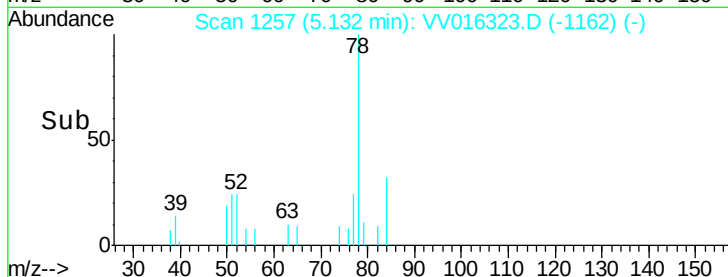
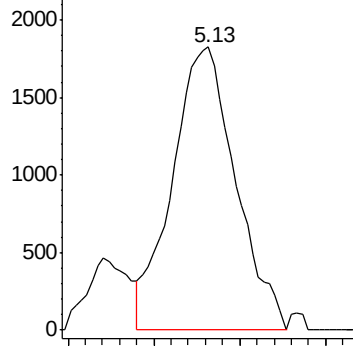
MSVOA_V

ClientSampled :

Tgt Ion: 78 Resp: 4665



Abundance Ion 78.10 (77.80 to 78.80): VV0



#35

Methylcyclohexane

Concen: 0.722 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.06 min

Lab File: VV016323.D

Acq: 29 May 2020 18:25

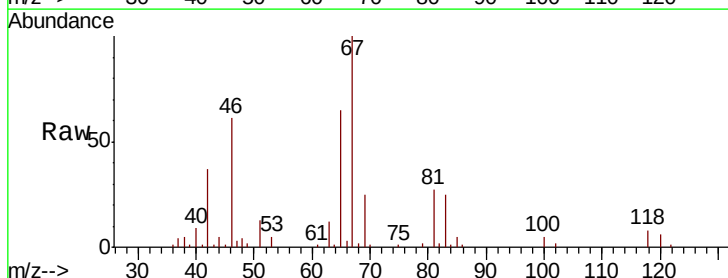
Tgt Ion: 83 Resp: 8448

Ion Ratio Lower Upper

83 100

55 0.0 65.4 98.0#

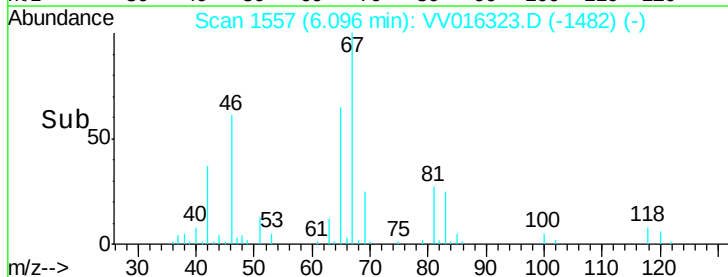
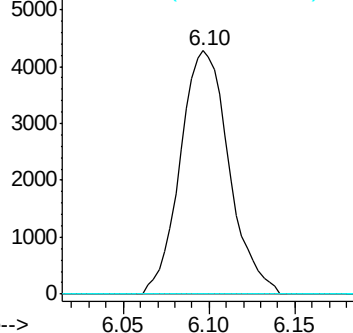
98 0.0 39.3 58.9#

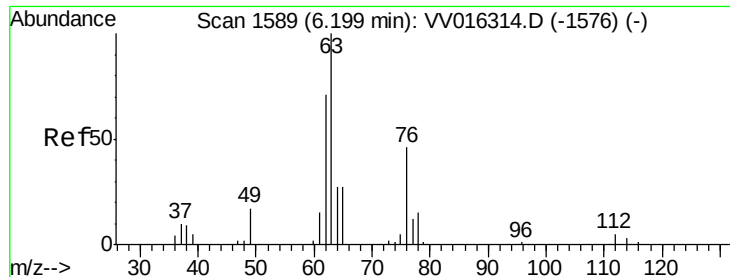


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

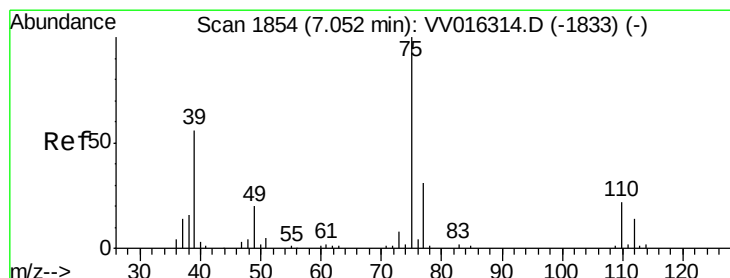
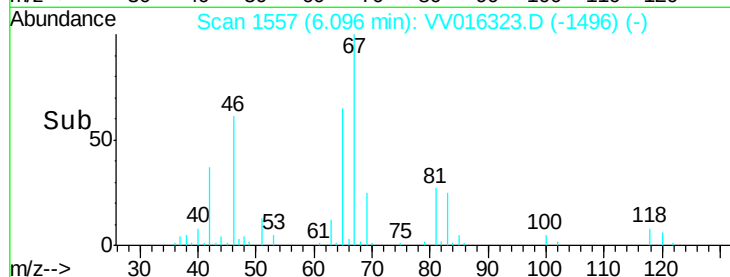
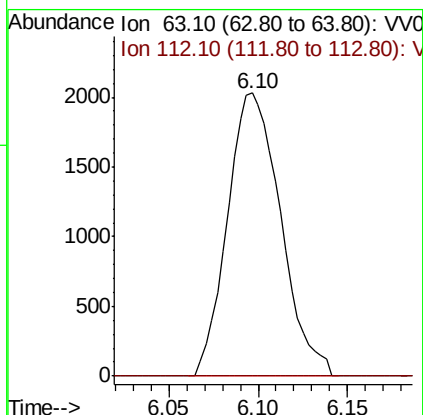
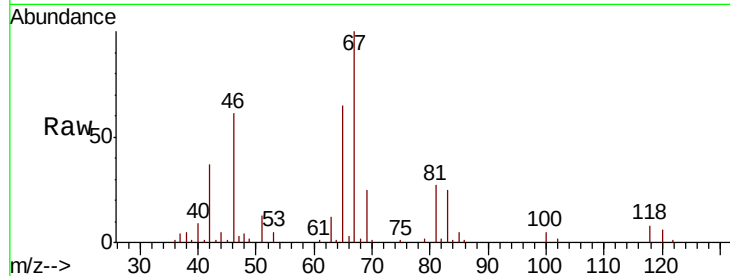




#37
 1,2-Dichloropropane
 Concen: 0.644 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV016323.D
 Acq: 29 May 2020 18:25

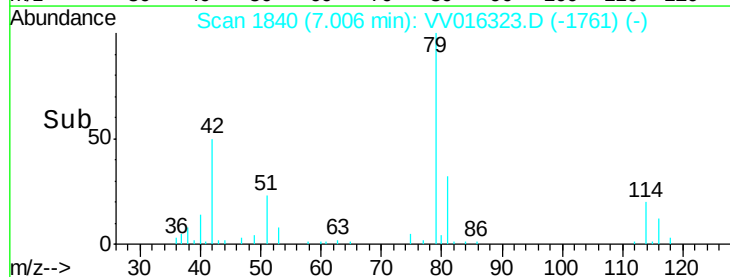
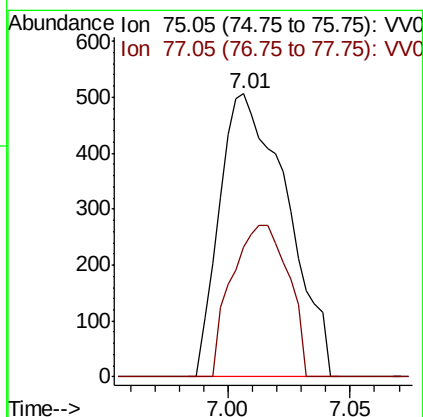
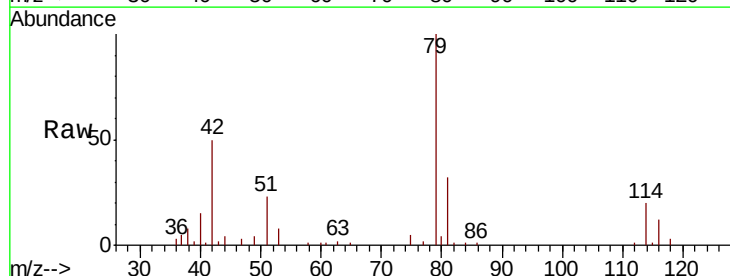
Instrument :
 MSVOA_V
 ClientSampleId :

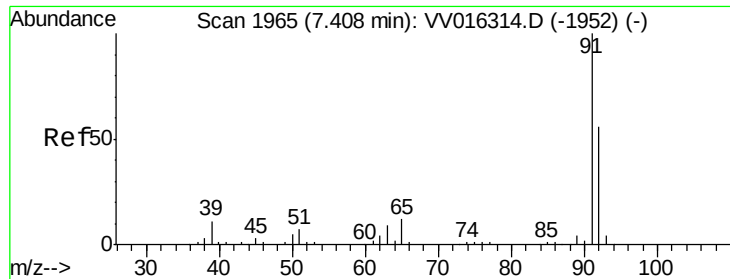
Tot Ion: 63 Resp: 4206
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.05 min
 Lab File: VV016323.D
 Acq: 29 May 2020 18:25

Tgt Ion: 75 Resp: 974
 Ion Ratio Lower Upper
 75 100
 77 46.0 21.7 40.3#





#42

Toluene

Concen: 0.272 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV016323.D

Acq: 29 May 2020 18:25

Instrument :

MSVOA_V

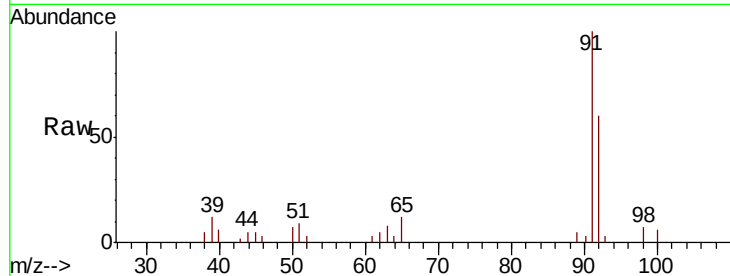
ClientSampled :

Tot Ion: 91 Resp: 7885

Ion Ratio Lower Upper

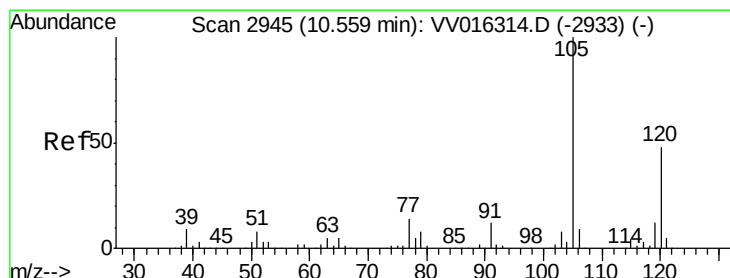
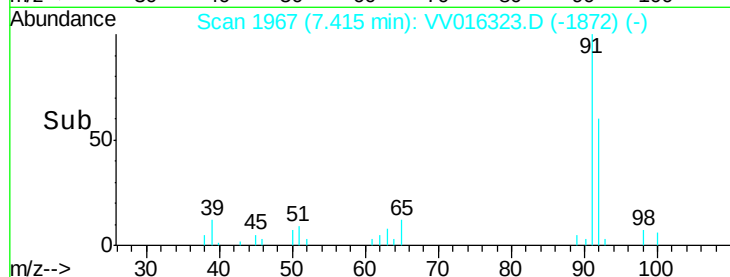
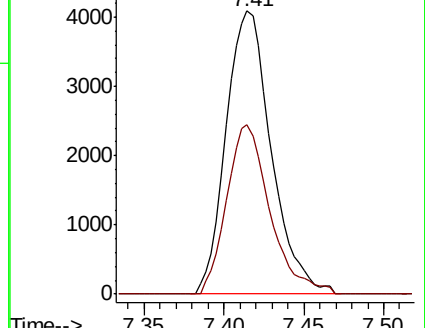
91 100

92 59.8 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV016314.D (-1952) (-)

Ion 92.15 (91.85 to 92.85): VV016314.D (-1952) (-)



#43

1,3,5-Trimethylbenzene

Concen: 0.056 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV016323.D

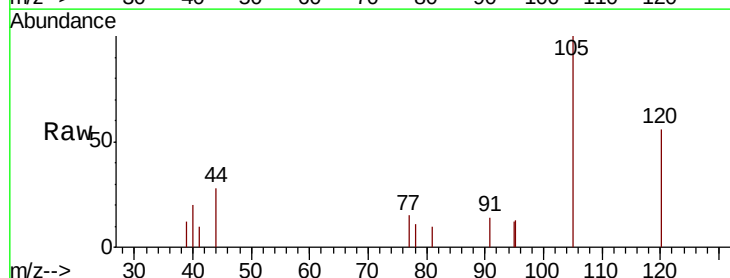
Acq: 29 May 2020 18:25

Tgt Ion: 105 Resp: 1475

Ion Ratio Lower Upper

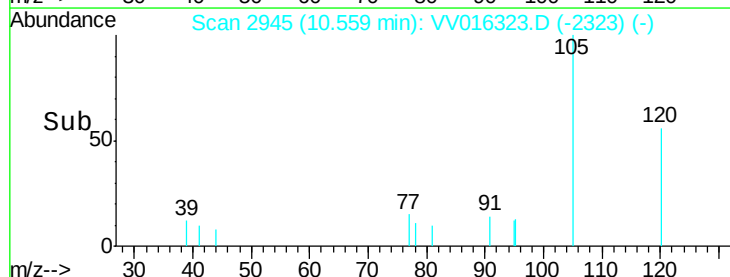
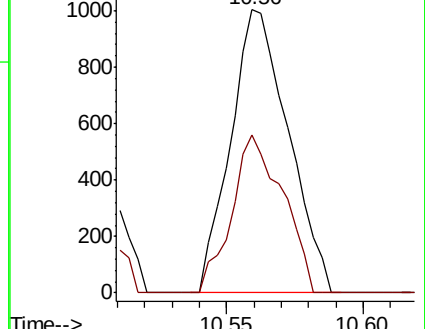
105 100

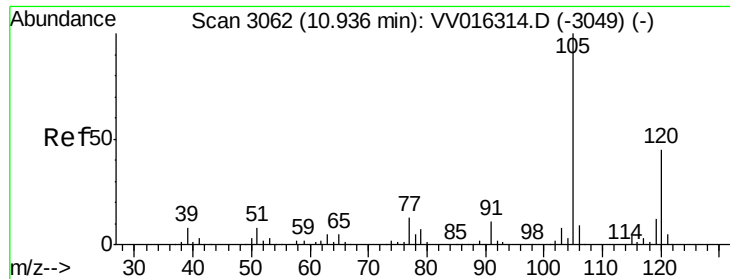
120 49.6 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): VV016314.D (-2933) (-)

Ion 120.00 (119.70 to 120.70): VV016314.D (-2933) (-)

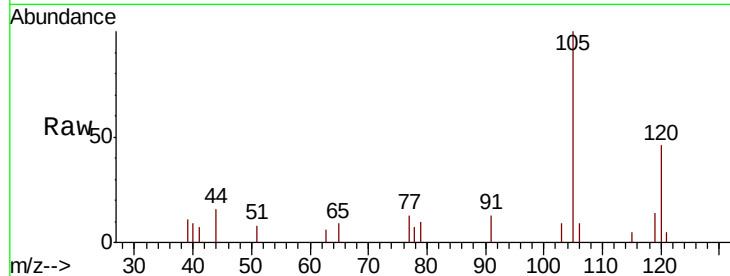




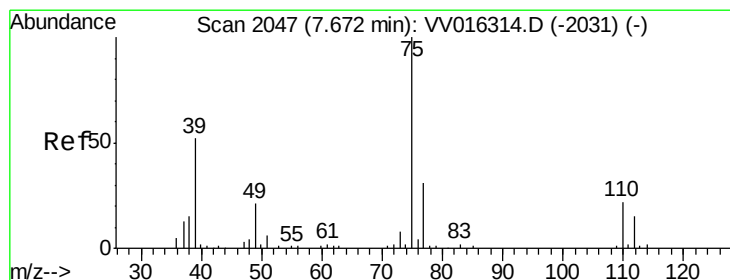
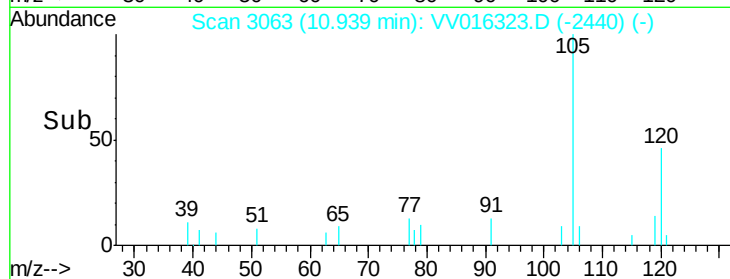
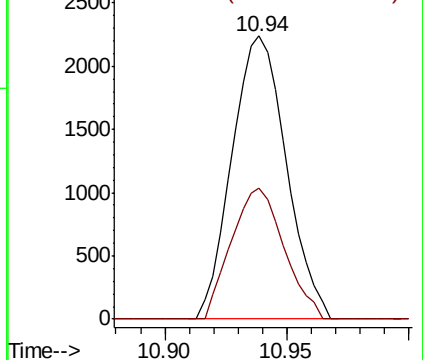
#44
 1,2,4-Trimethylbenzene
 Concen: 0.127 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV016323.D
 Acq: 29 May 2020 18:25

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:105 Resp: 3454
 Ion Ratio Lower Upper
 105 100
 120 44.9 34.6 52.0

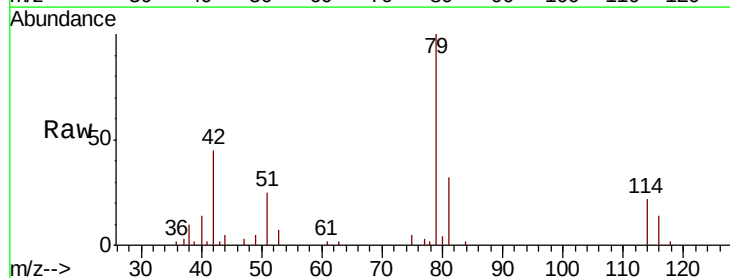


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

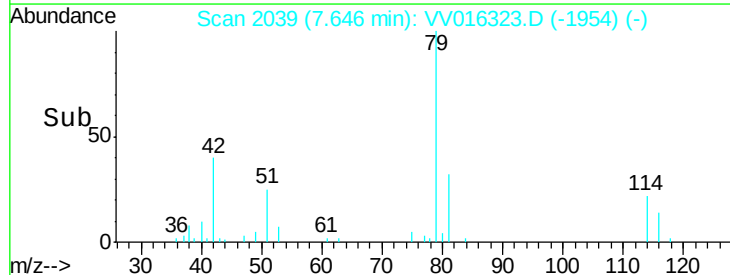
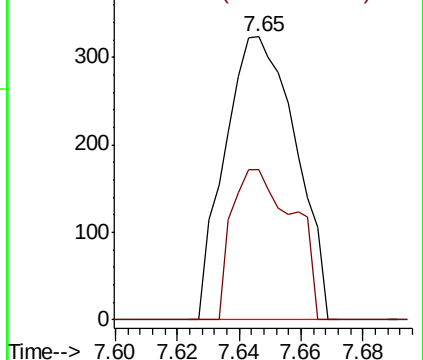


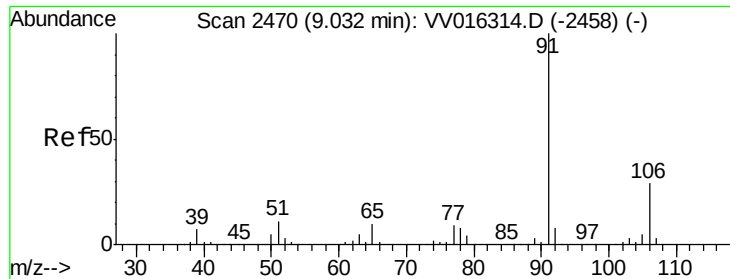
#46
 trans-1,3-Dichloropropene
 Concen: 0.067 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.03 min
 Lab File: VV016323.D
 Acq: 29 May 2020 18:25

Tgt Ion: 75 Resp: 514
 Ion Ratio Lower Upper
 75 100
 77 53.3 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 77.05 (76.75 to 77.75): VV0

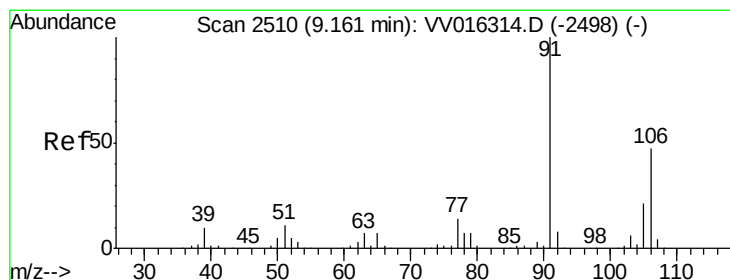
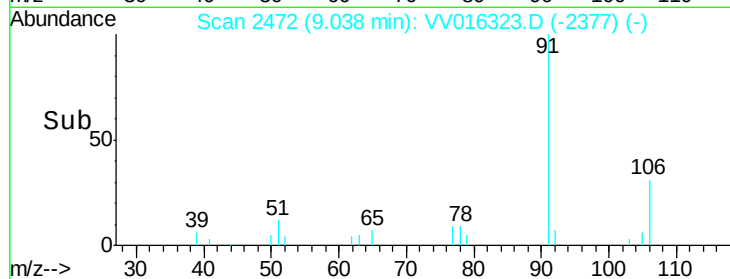
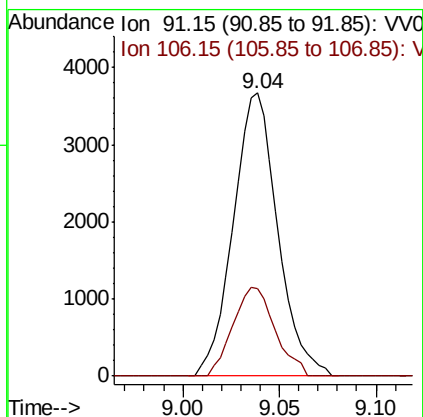
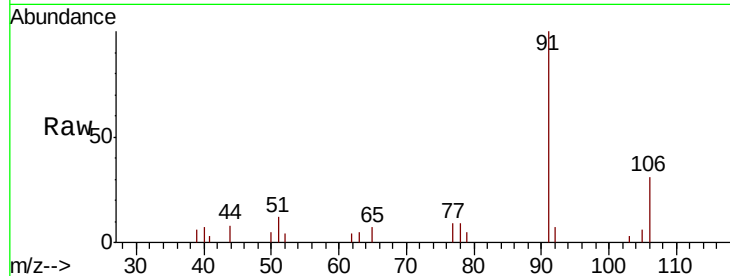




#54
Ethylbenzene
Concen: 0.181 ug/L
RT: 9.04 min Scan# 2472
Delta R.T. 0.01 min
Lab File: VV016323.D
Acq: 29 May 2020 18:25

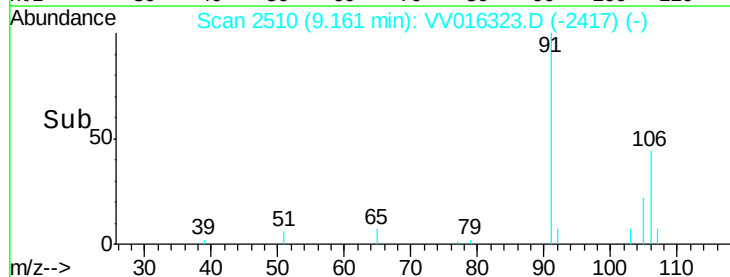
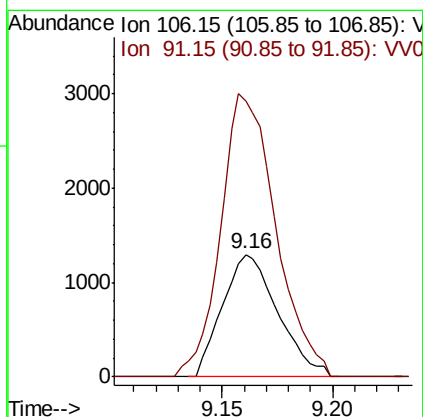
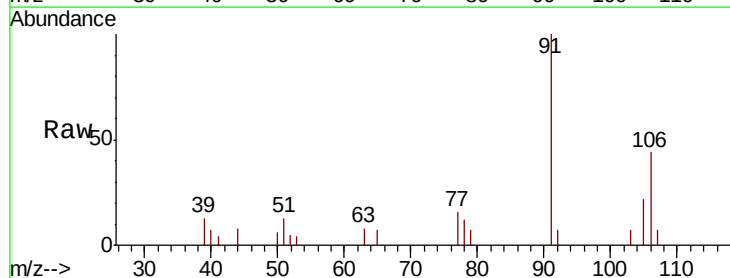
Instrument :
MSVOA_V
ClientSampled :

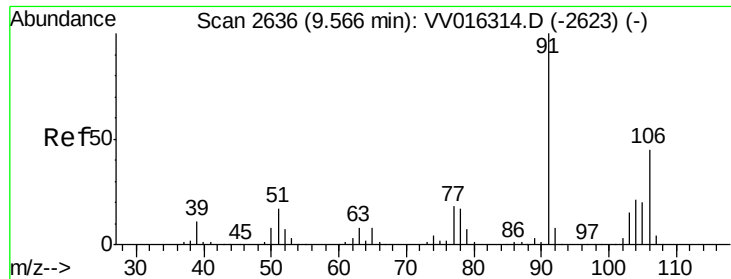
Tot Ion: 91 Resp: 5862
Ion Ratio Lower Upper
91 100
106 30.8 21.0 39.0



#55
m,p-xylene
Concen: 0.186 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. -0.00 min
Lab File: VV016323.D
Acq: 29 May 2020 18:25

Tgt Ion: 106 Resp: 2255
Ion Ratio Lower Upper
106 100
91 226.0 148.1 275.0

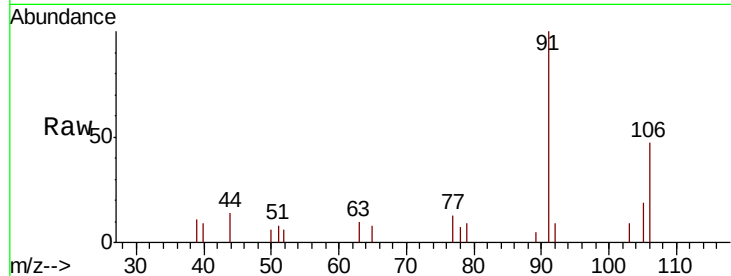




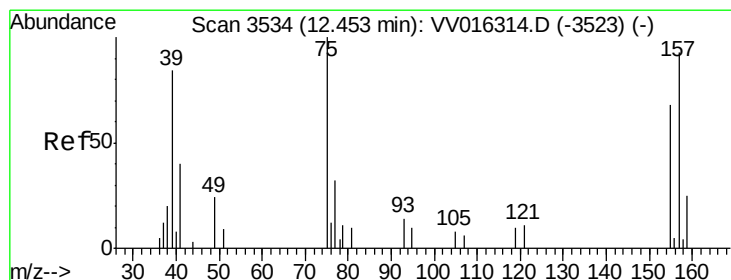
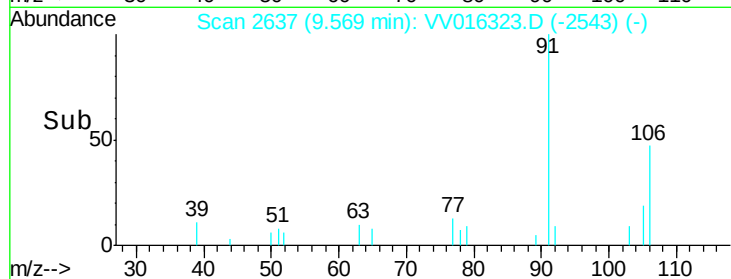
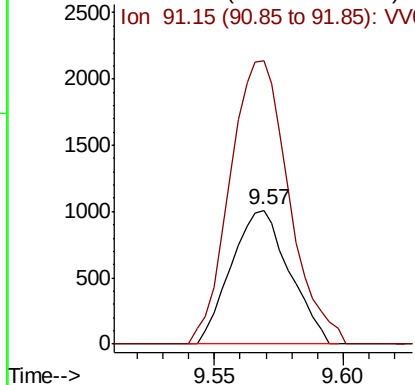
#56
o-xylene
Concen: 0.137 ug/L
RT: 9.57 min Scan# 2637
Delta R.T. 0.00 min
Lab File: VV016323.D
Acq: 29 May 2020 18:25

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 106 Resp: 1589
Ion Ratio Lower Upper
106 100
91 211.8 158.8 294.8

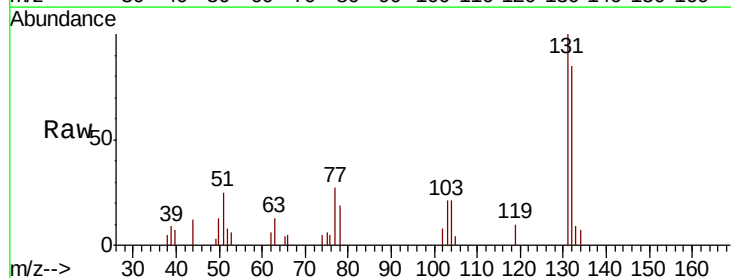


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

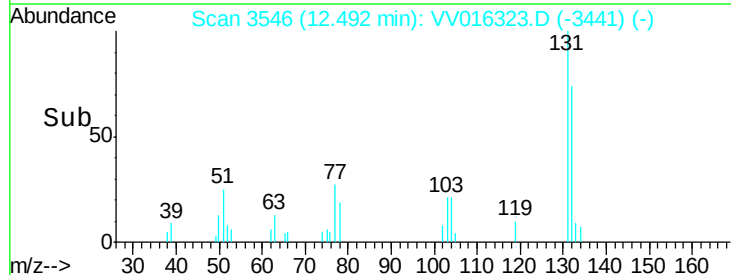
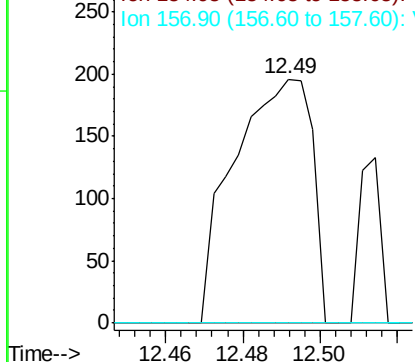


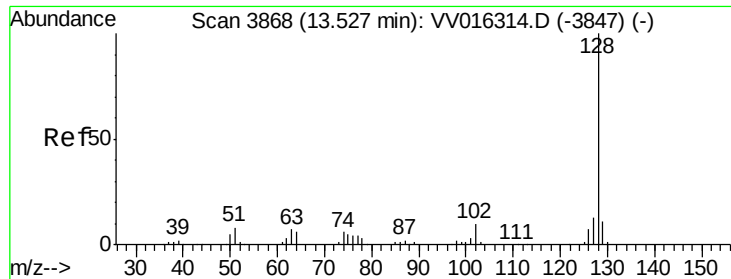
#67
1,2-Dibromo-3-chloropropane
Concen: 0.337 ug/L
RT: 12.49 min Scan# 3546
Delta R.T. 0.04 min
Lab File: VV016323.D
Acq: 29 May 2020 18:25

Tgt Ion: 75 Resp: 275
Ion Ratio Lower Upper
75 100
155 0.0 56.2 84.4#
157 0.0 71.9 107.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 154.95 (154.65 to 155.65): V
Ion 156.90 (156.60 to 157.60): V





#70

Naphthalene

Concen: 170.150 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV016323.D

Acq: 29 May 2020 18:25

Instrument :

MSVOA_V

ClientSampleId :

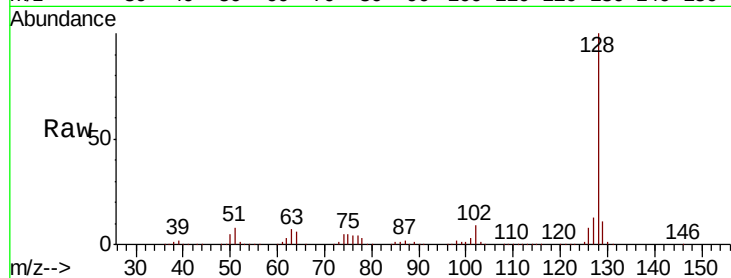
Tot Ion:128 Resp: 3089960

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

127 13.2 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

