

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053120\
 Data File : VV016378.D
 Acq On : 31 May 2020 10:36
 Operator : SY/MD
 Sample : L2662-15DL 40X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 01 07:17:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 07:14:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	84084	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	79461	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	38541	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30795	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.58	69	23890	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	2.12	63	41993	3.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.20%
20) 2-Butanone-d5	3.96	46	73163	46.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.12%
24) Chloroform-d	4.38	84	55138	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.06	65	29868	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.08	84	109701	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.10	67	33308	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.34	98	94673	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
45) trans-1,3-Dichloropropene-	7.65	79	10996	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
48) 2-Hexanone-d5	8.12	63	57276	48.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.90%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	23283	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	34757	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	12591	1.679	ug/L 95
18) trans-1,2-Dichloroethene	2.78	96	634	0.110	ug/L 92
22) cis-1,2-Dichloroethene	3.94	96	10592	1.671	ug/L 100
27) 1,2-Dichloroethane	5.17	62	392	0.052	ug/L # 76
33) Benzene	5.13	78	5297	0.225	ug/L 100
35) Methylcyclohexane	6.10	83	7838	0.789	ug/L # 15
37) 1,2-Dichloropropane	6.09	63	3904	0.656	ug/L # 87
39) cis-1,3-Dichloropropene	7.01	75	900	0.115	ug/L # 59
42) Toluene	7.41	91	6550	0.262	ug/L 93
43) 1,3,5-Trimethylbenzene	10.56	105	2130	0.096	ug/L 97
44) 1,2,4-Trimethylbenzene	10.94	105	6476	0.287	ug/L 99
46) trans-1,3-Dichloropropene	7.65	75	514	0.079	ug/L # 72
50) 2-Hexanone	8.12	43	8196	3.271	ug/L # 73
54) Ethylbenzene	9.04	91	8056	0.292	ug/L 94
55) m,p-xylene	9.16	106	2486	0.241	ug/L 97
56) o-xylene	9.57	106	2057	0.212	ug/L 100
67) 1,2-Dibromo-3-chloropropan	12.49	75	465	0.646	ug/L # 9

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 07:14:30 2020
Response via : Initial Calibration

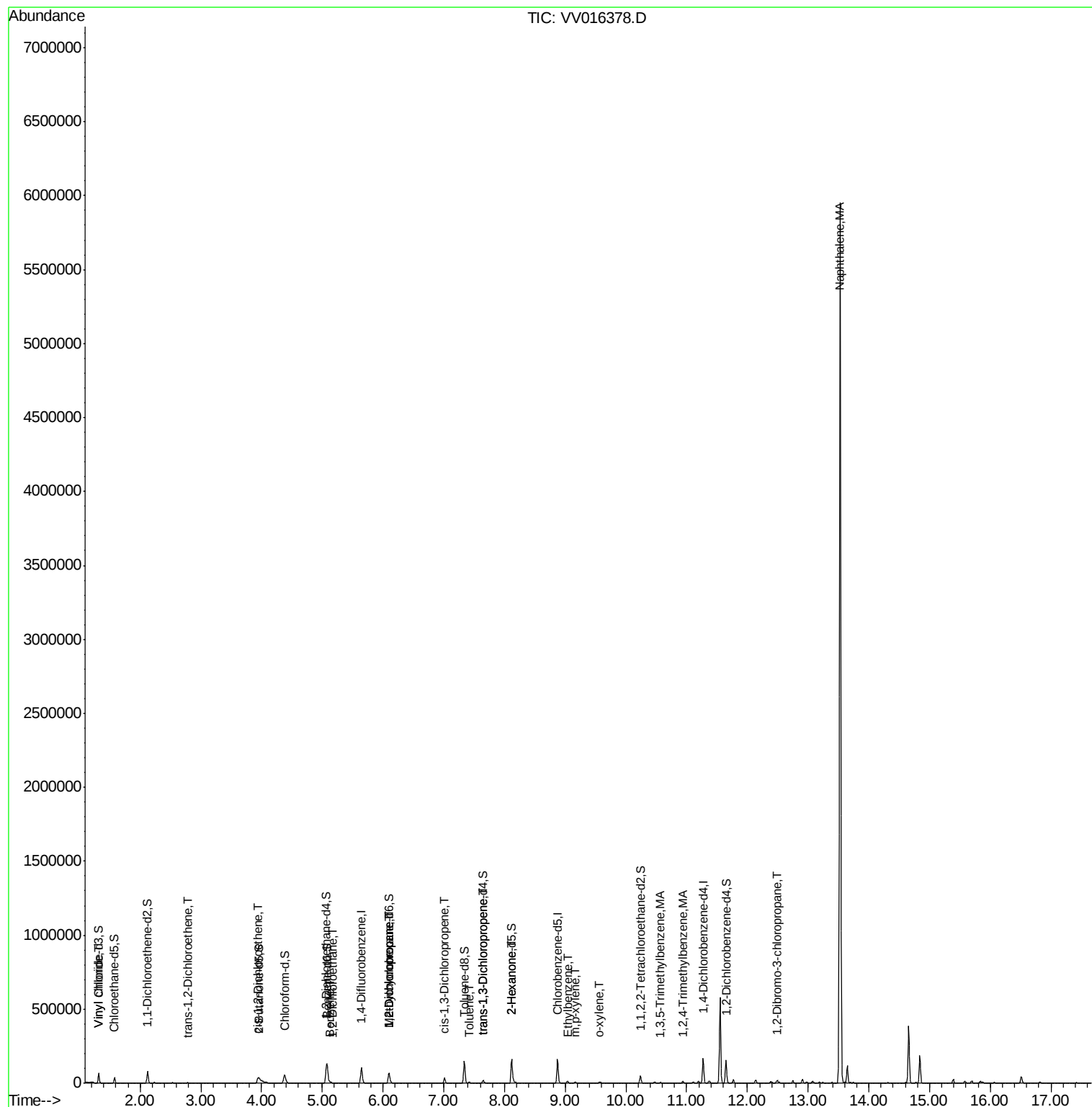
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) Naphthalene	13.53	128	4287960	243.988	ug/L	99

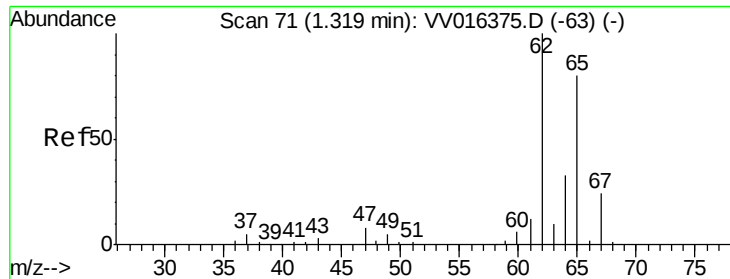
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.679 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016378.D

Acq: 31 May 2020 10:36

Instrument :

MSVOA_V

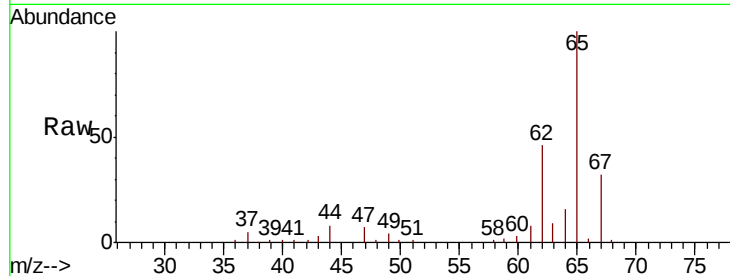
ClientSampled :

Tot Ion: 62 Resp: 12591

Ion Ratio Lower Upper

62 100

64 35.6 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

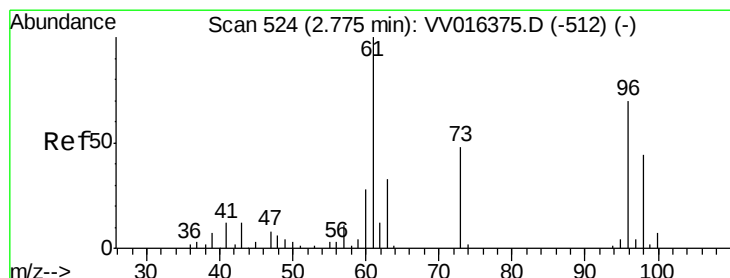
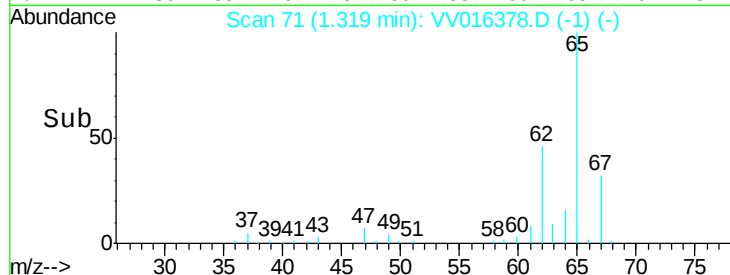
1.32

10000

5000

0

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.110 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV016378.D

Acq: 31 May 2020 10:36

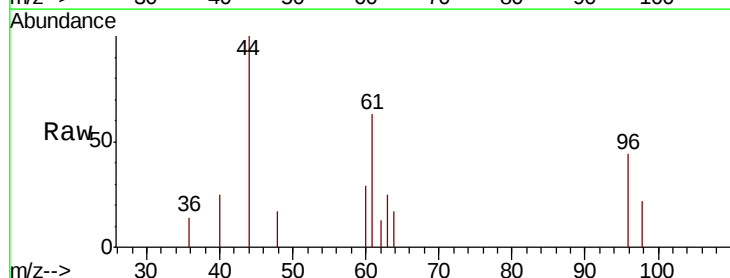
Tgt Ion: 96 Resp: 634

Ion Ratio Lower Upper

96 100

61 142.5 103.1 191.5

98 48.8 43.0 79.8



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

800

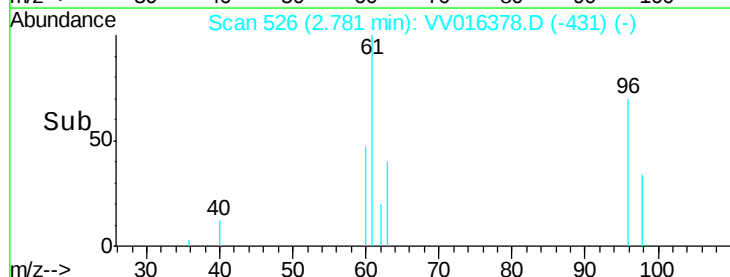
600

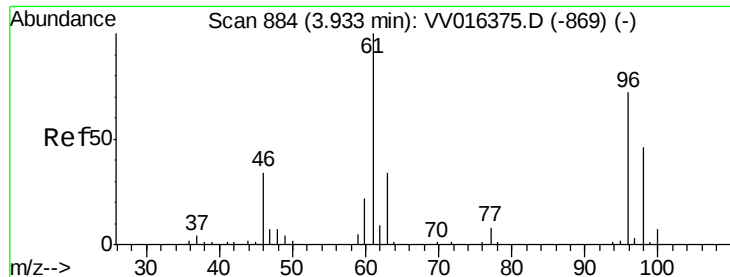
400

200

0

Time-->



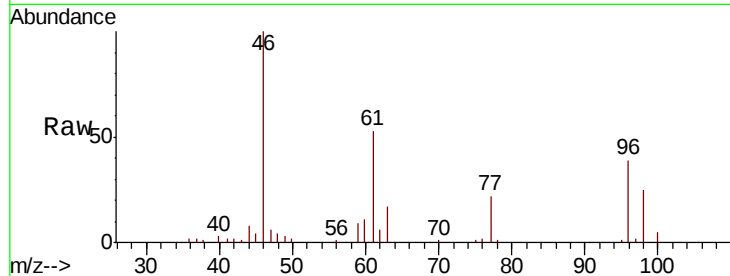


#22

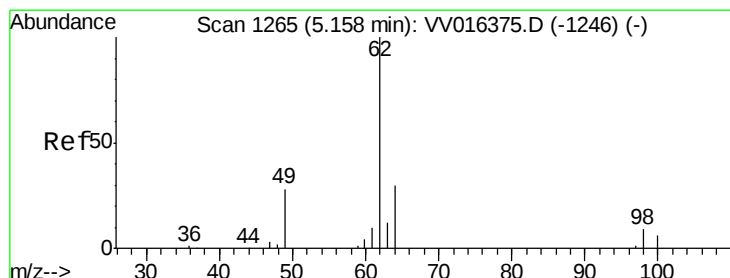
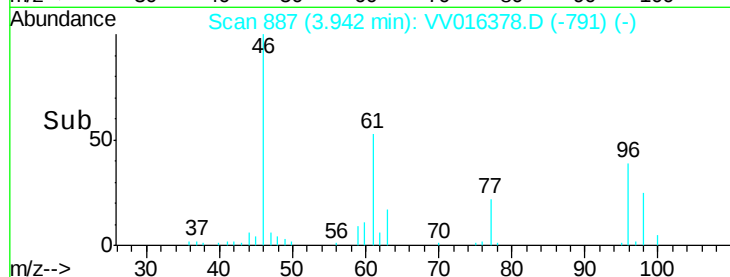
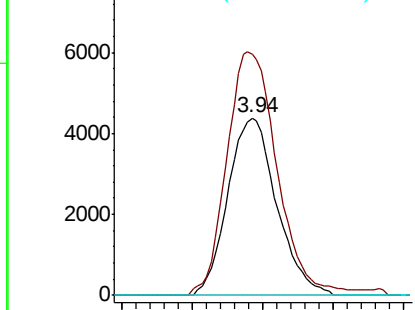
cis-1,2-Dichloroethene
 Concen: 1.671 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV016378.D
 Acq: 31 May 2020 10:36

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 10592
 Ion Ratio Lower Upper
 96 100
 61 135.9 94.8 176.0
 68 0.0 0.0 0.0



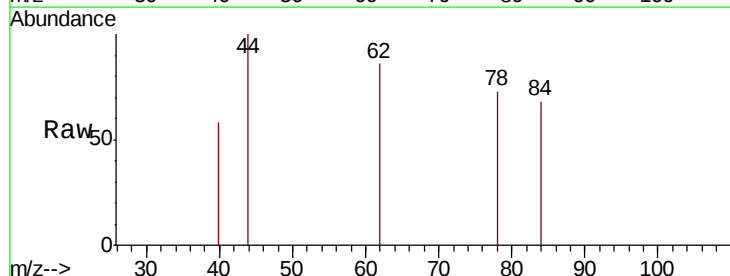
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



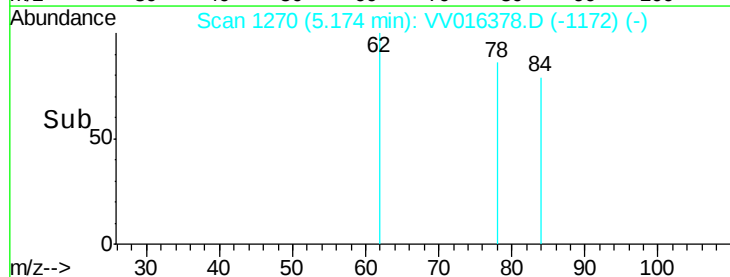
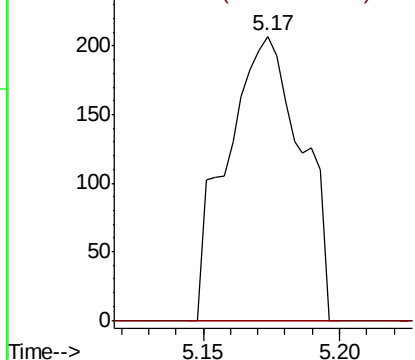
#27

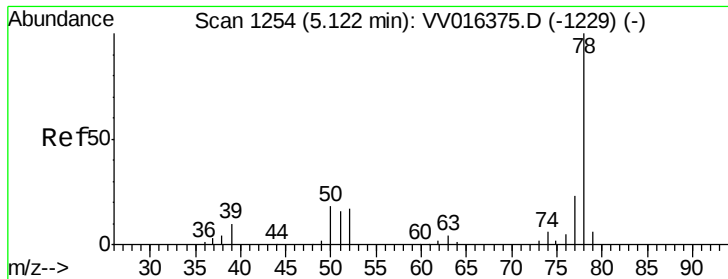
1,2-Dichloroethane
 Concen: 0.052 ug/L
 RT: 5.17 min Scan# 1270
 Delta R.T. 0.02 min
 Lab File: VV016378.D
 Acq: 31 May 2020 10:36

Tgt Ion: 62 Resp: 392
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.0 10.4#



Abundance Ion 62.00 (61.70 to 62.70): VV0
 Ion 98.05 (97.75 to 98.75): VV0





#33

Benzene

Concen: 0.225 ug/L

RT: 5.13 min Scan# 1256

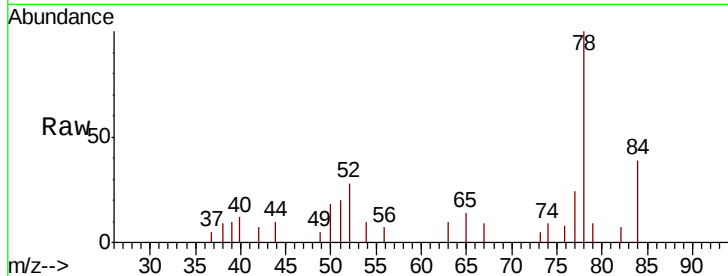
Delta R.T. 0.01 min

Lab File: VV016378.D

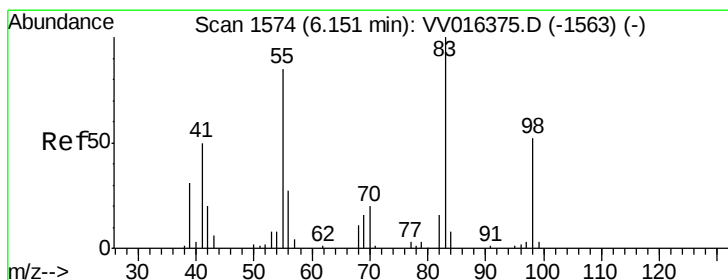
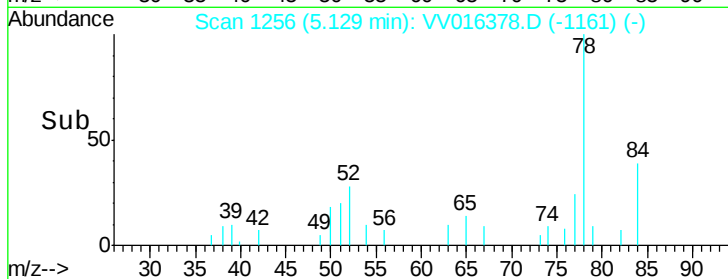
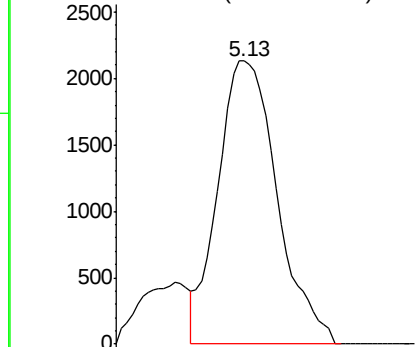
Acq: 31 May 2020 10:36

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 5297



Abundance Ion 78.10 (77.80 to 78.80): VV0



#35

Methylcyclohexane

Concen: 0.789 ug/L

RT: 6.10 min Scan# 1557

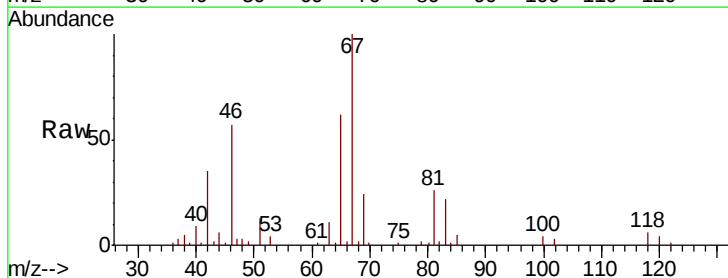
Delta R.T. -0.05 min

Lab File: VV016378.D

Acq: 31 May 2020 10:36

Tgt Ion: 83 Resp: 7838

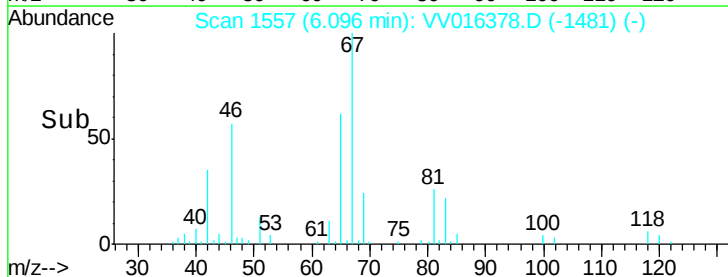
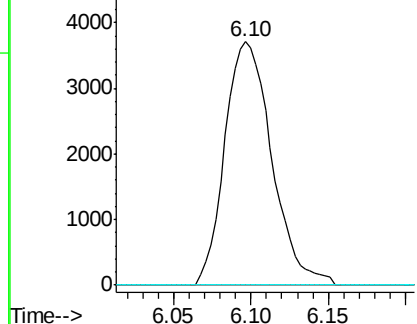
Ion	Ratio	Lower	Upper
83	100		
55	0.0	67.0	100.4#
98	0.0	39.0	58.4#

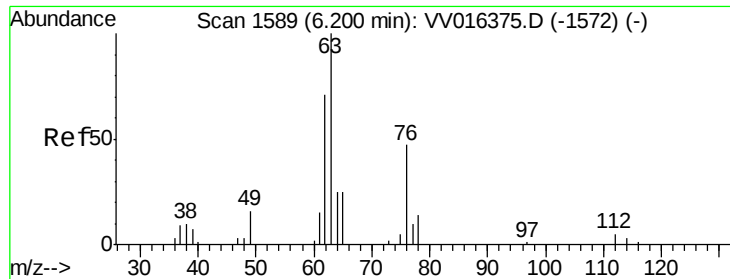


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.656 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.11 min

Lab File: VV016378.D

Acq: 31 May 2020 10:36

Instrument :

MSVOA_V

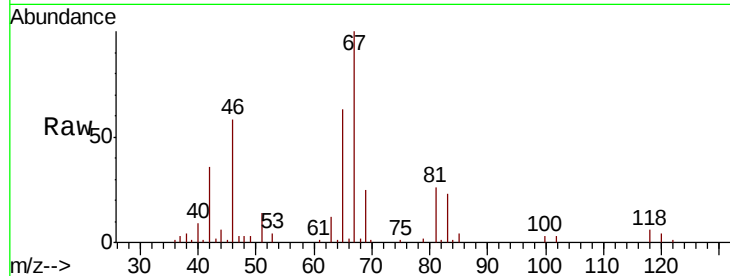
ClientSampleId :

Tot Ion: 63 Resp: 3904

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV016375.D (-1572) (-)

Ion 112.10 (111.80 to 112.80): VV016375.D (-1572) (-)

6.09

2000

1500

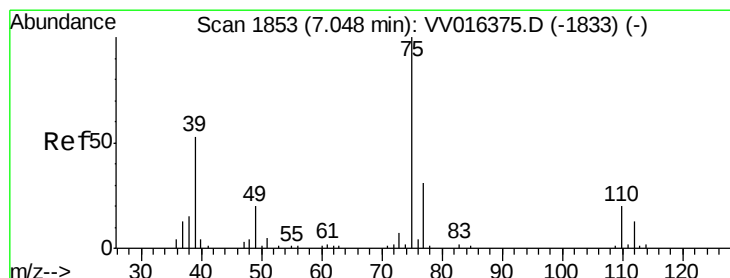
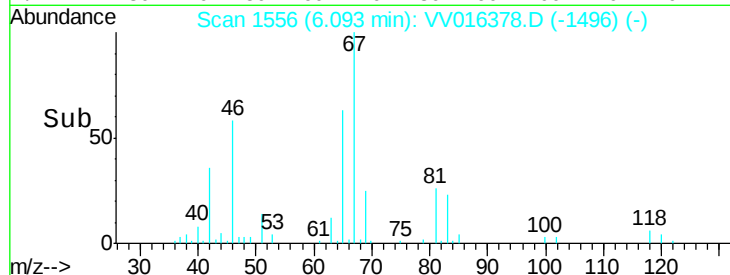
1000

500

0

6.05 6.10 6.15

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.115 ug/L

RT: 7.01 min Scan# 1842

Delta R.T. -0.04 min

Lab File: VV016378.D

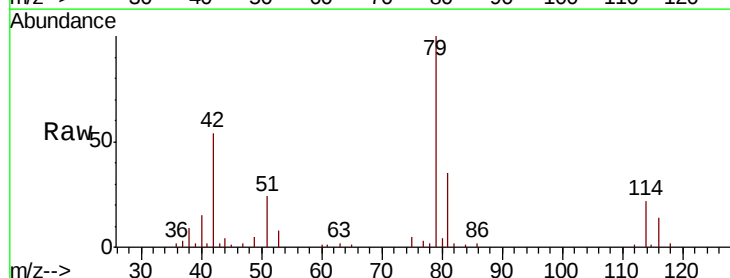
Acq: 31 May 2020 10:36

Tgt Ion: 75 Resp: 900

Ion Ratio Lower Upper

75 100

77 54.4 22.0 41.0#



Abundance Ion 75.05 (74.75 to 75.75): VV016375.D (-1833) (-)

Ion 77.05 (76.75 to 77.75): VV016375.D (-1833) (-)

7.01

600

500

400

300

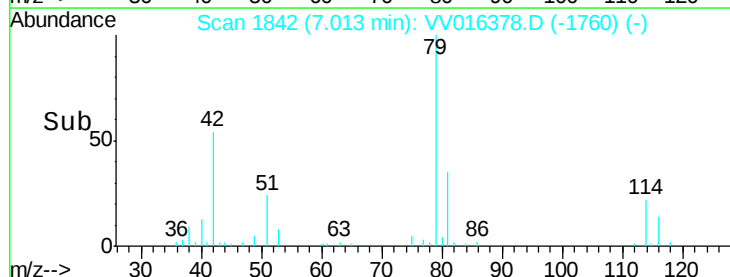
200

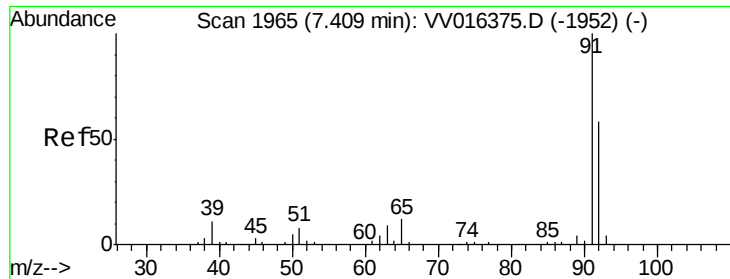
100

0

7.00 7.05

Time-->





#42

Toluene

Concen: 0.262 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016378.D

Acq: 31 May 2020 10:36

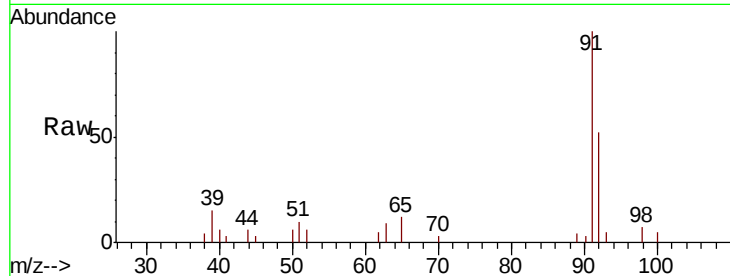
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 6550

Ion Ratio Lower Upper

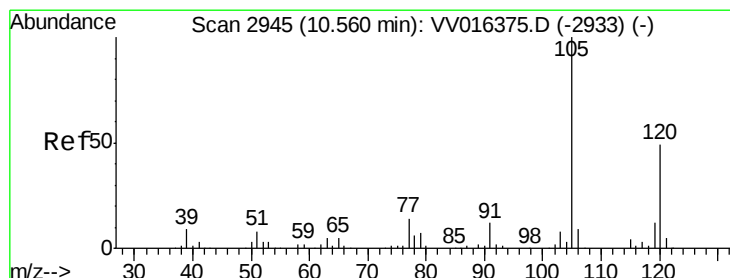
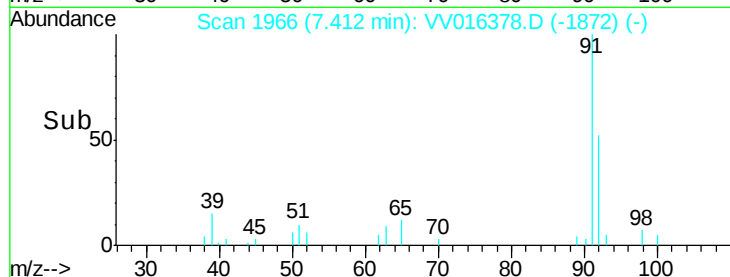
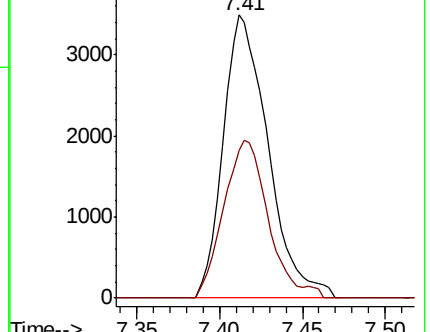
91 100

92 52.3 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV016378.D (-1952) (-)

Ion 92.15 (91.85 to 92.85): VV016378.D (-1952) (-)



#43

1,3,5-Trimethylbenzene

Concen: 0.096 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV016378.D

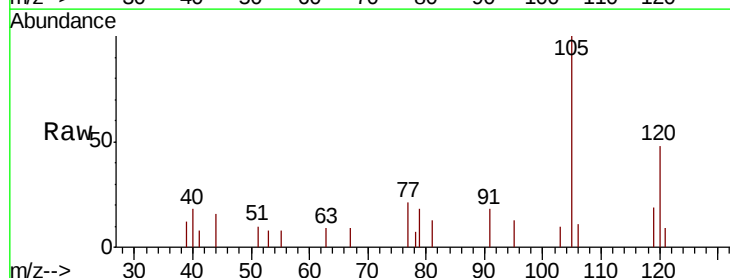
Acq: 31 May 2020 10:36

Tgt Ion:105 Resp: 2130

Ion Ratio Lower Upper

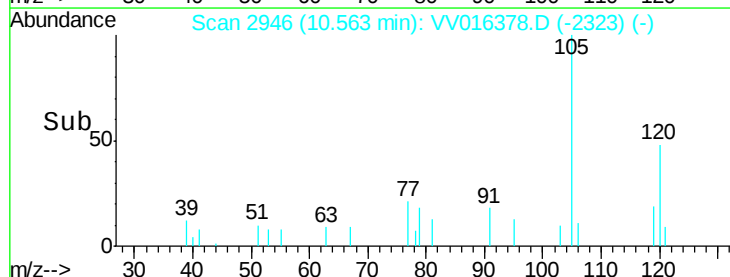
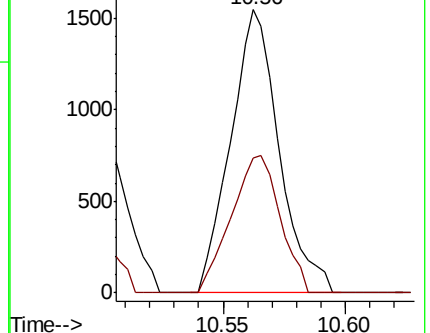
105 100

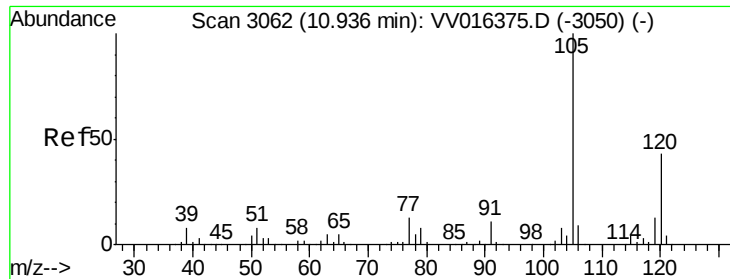
120 49.0 37.5 56.3



Abundance Ion 105.00 (104.70 to 105.70): VV016378.D (-2933) (-)

Ion 120.00 (119.70 to 120.70): VV016378.D (-2933) (-)

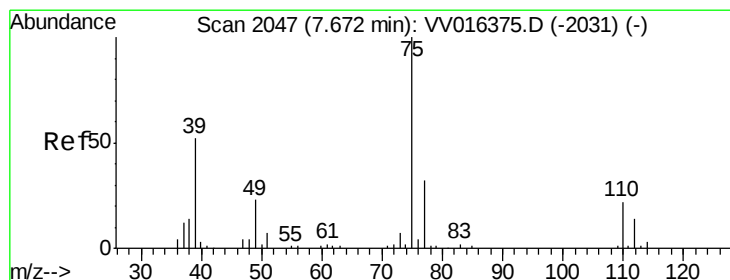
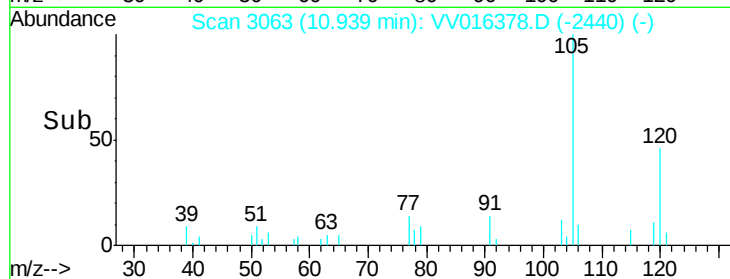
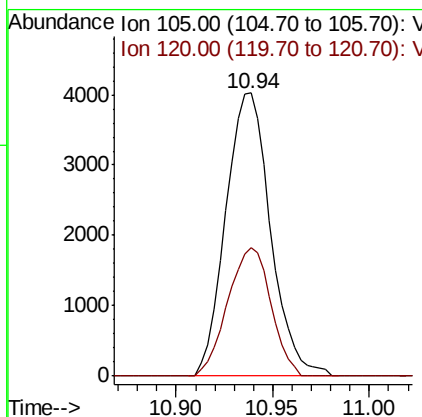
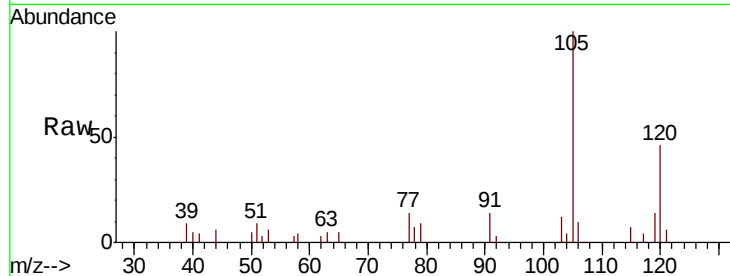




#44
 1,2,4-Trimethylbenzene
 Concen: 0.287 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV016378.D
 Acq: 31 May 2020 10:36

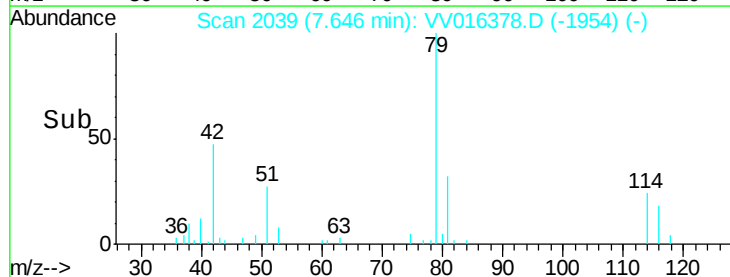
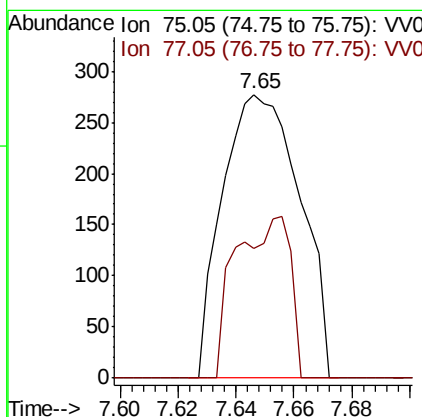
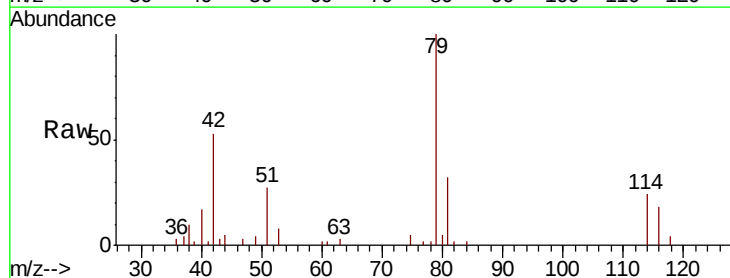
Instrument :
 MSVOA_V
 ClientSampled :

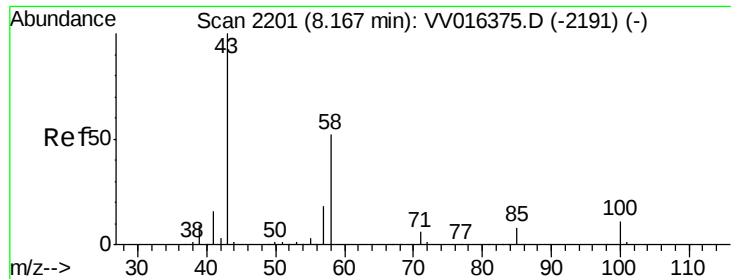
Tot Ion:105 Resp: 6476
 Ion Ratio Lower Upper
 105 100
 120 43.9 35.5 53.3



#46
 trans-1,3-Dichloropropene
 Concen: 0.079 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.03 min
 Lab File: VV016378.D
 Acq: 31 May 2020 10:36

Tgt Ion: 75 Resp: 514
 Ion Ratio Lower Upper
 75 100
 77 45.7 21.1 39.3#

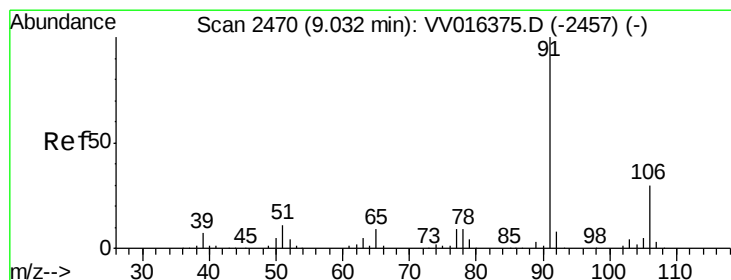
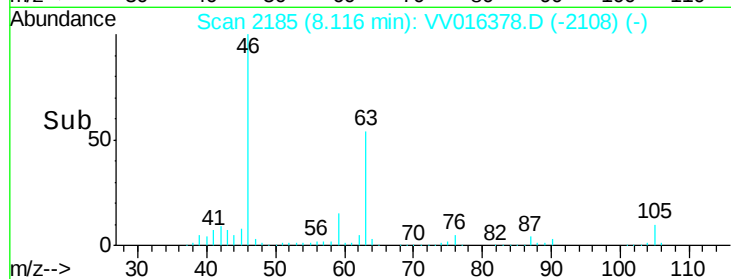
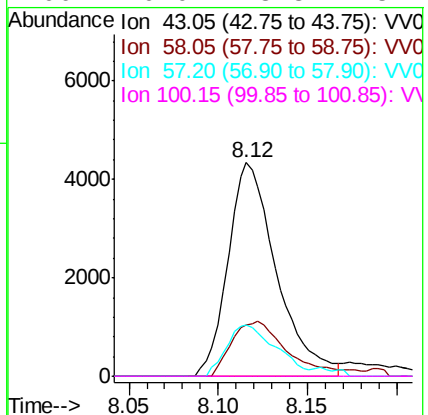
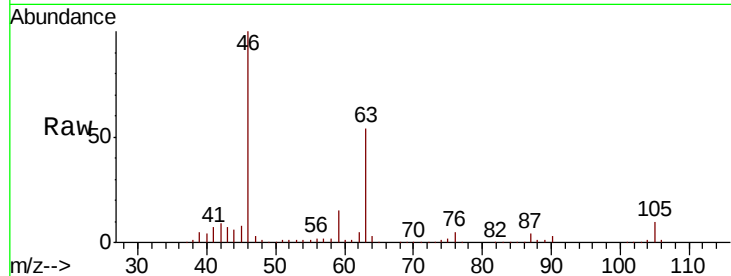




#50
2-Hexanone
Concen: 3.271 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV016378.D
Acq: 31 May 2020 10:36

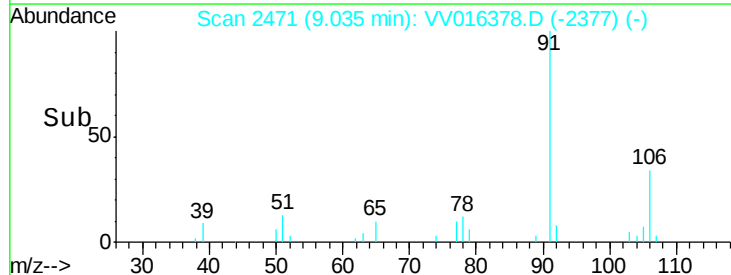
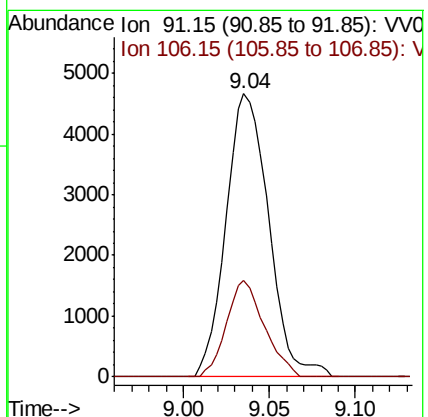
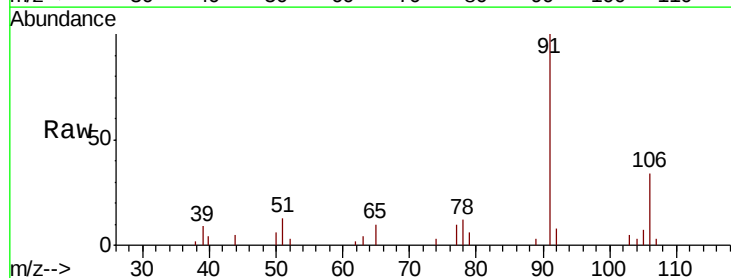
Instrument :
MSVOA_V
ClientSampleId :

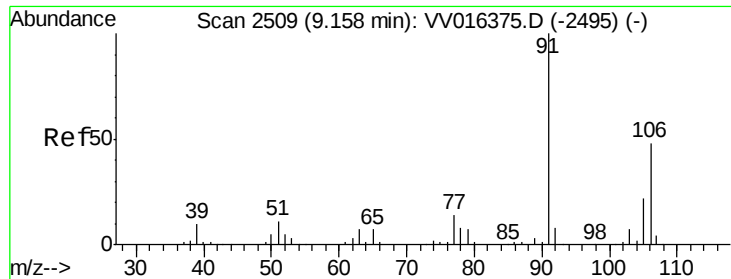
Tot Ion: 43 Resp: 8196
Ion Ratio Lower Upper
43 100
58 30.1 41.1 61.7#
57 24.6 14.2 21.4#
100 0.0 8.8 13.2#



#54
Ethylbenzene
Concen: 0.292 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV016378.D
Acq: 31 May 2020 10:36

Tgt Ion: 91 Resp: 8056
Ion Ratio Lower Upper
91 100
106 33.9 21.4 39.8

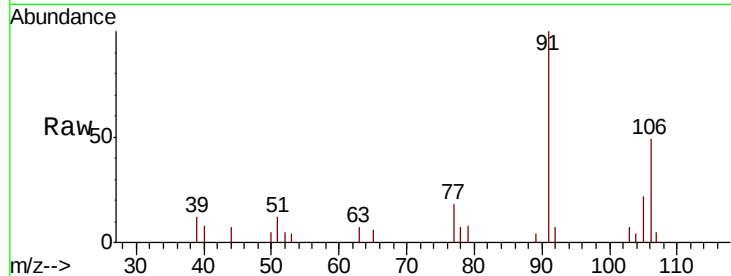




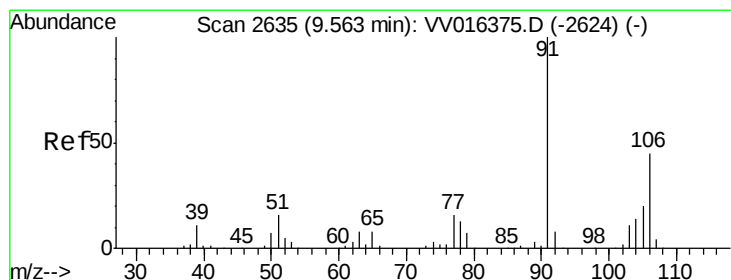
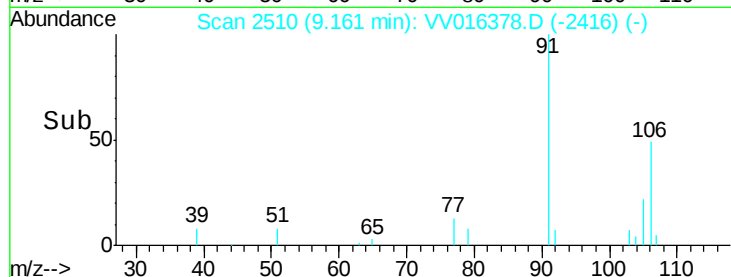
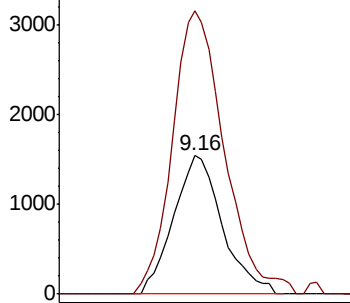
#55
m,p-xylene
Concen: 0.241 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV016378.D
Acq: 31 May 2020 10:36

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 2486
Ion Ratio Lower Upper
106 100
91 204.5 146.6 272.2

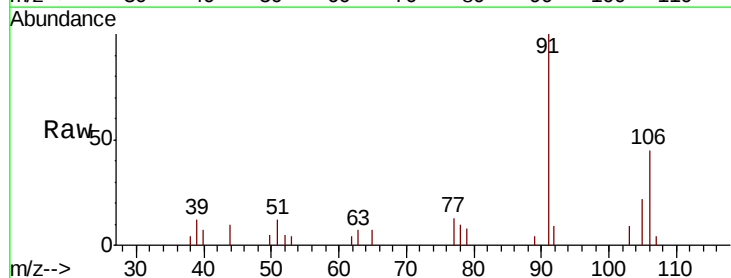


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

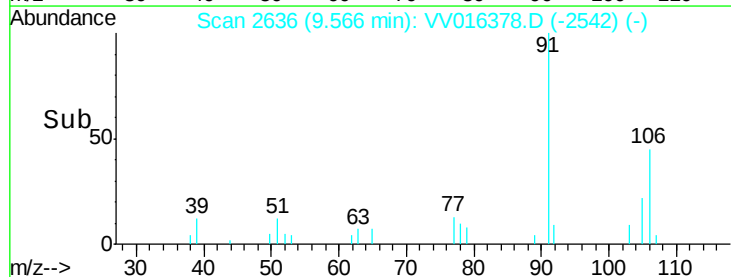
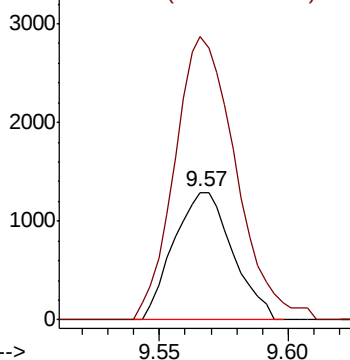


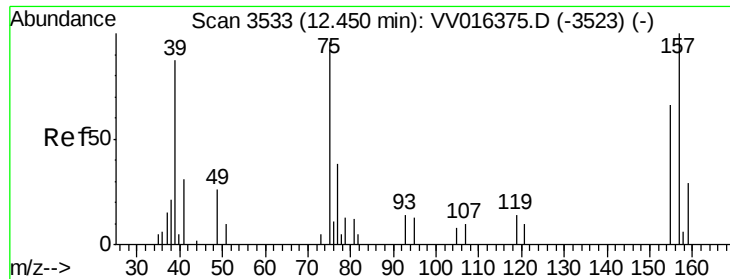
#56
o-xylene
Concen: 0.212 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016378.D
Acq: 31 May 2020 10:36

Tgt Ion:106 Resp: 2057
Ion Ratio Lower Upper
106 100
91 222.4 155.2 288.2



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

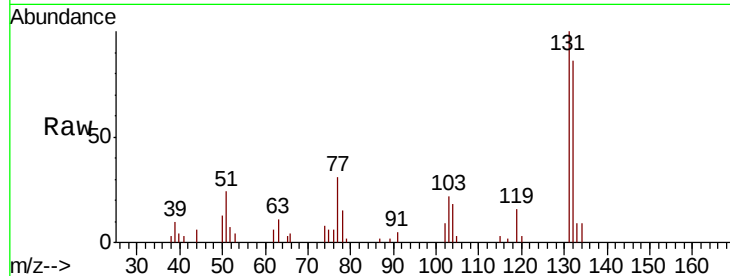




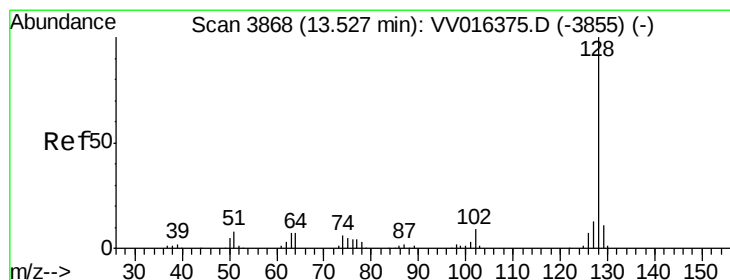
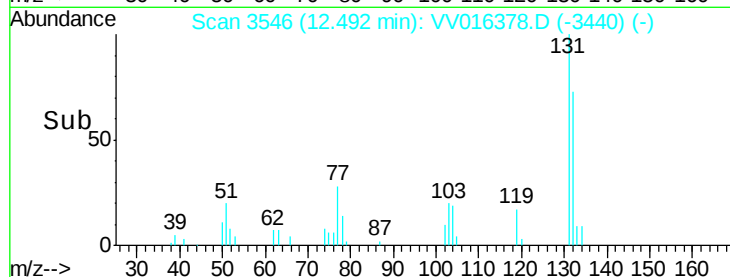
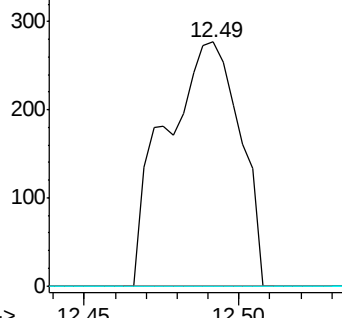
#67
 1,2-Dibromo-3-chloropropane
 Concen: 0.646 ug/L
 RT: 12.49 min Scan# 3546
 Delta R.T. 0.04 min
 Lab File: VV016378.D
 Acq: 31 May 2020 10:36

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 465
 Ion Ratio Lower Upper
 75 100
 155 0.0 58.1 87.1#
 157 0.0 71.0 106.4#

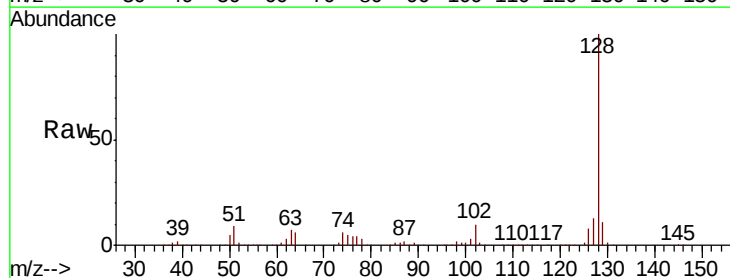


Abundance Ion 75.05 (74.75 to 75.75): VV016378.D (-3440) (-)
 Ion 154.95 (154.65 to 155.65): VV016378.D (-3440) (-)
 Ion 156.90 (156.60 to 157.60): VV016378.D (-3440) (-)



#70
 Naphthalene
 Concen: 243.988 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV016378.D
 Acq: 31 May 2020 10:36

Tgt Ion: 128 Resp: 4287960
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.6 12.8
 127 13.3 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): VV016378.D (-3775) (-)
 Ion 129.00 (128.70 to 129.70): VV016378.D (-3775) (-)
 Ion 127.00 (126.70 to 127.70): VV016378.D (-3775) (-)

