

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052920\
 Data File : VV016324.D
 Acq On : 29 May 2020 18:50
 Operator : SY/MD
 Sample : L2662-06 100X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 30 00:05:31 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	95705	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	89504	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	41389	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28993	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.58	69	22874	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.12	63	39423	3.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.40%
20) 2-Butanone-d5	3.96	46	83638	54.86	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.72%
24) Chloroform-d	4.38	84	57086	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.06	65	32087	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.07	84	114733	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	6.10	67	33911	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.34	98	104685	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
45) trans-1,3-Dichloropropene-	7.65	79	11836	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
48) 2-Hexanone-d5	8.12	63	65392	55.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.52%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	24561	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	37184	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	16031	1.913	ug/L	96
12) 1,1-Dichloroethene	2.13	96	571	0.101	ug/L #	1
16) Methylene chloride	2.53	84	1033	0.160	ug/L	94
22) cis-1,2-Dichloroethene	3.94	96	93642	12.817	ug/L	97
33) Benzene	5.14	78	3814	0.148	ug/L	100
35) Methylcyclohexane	6.10	83	8382	0.741	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	4444	0.703	ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	1002	0.112	ug/L #	56
42) Toluene	7.41	91	6332	0.225	ug/L	94
43) 1,3,5-Trimethylbenzene	10.94	105	1619	0.063	ug/L	90
44) 1,2,4-Trimethylbenzene	10.94	105	1619	0.061	ug/L	95
46) trans-1,3-Dichloropropene	7.64	75	492	0.066	ug/L #	68
54) Ethylbenzene	9.04	91	3981	0.127	ug/L	98
55) m,p-xylene	9.16	106	1769	0.151	ug/L	74
56) o-xylene	9.57	106	1140	0.102	ug/L	77
70) Naphthalene	13.53	128	1626600	94.856	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

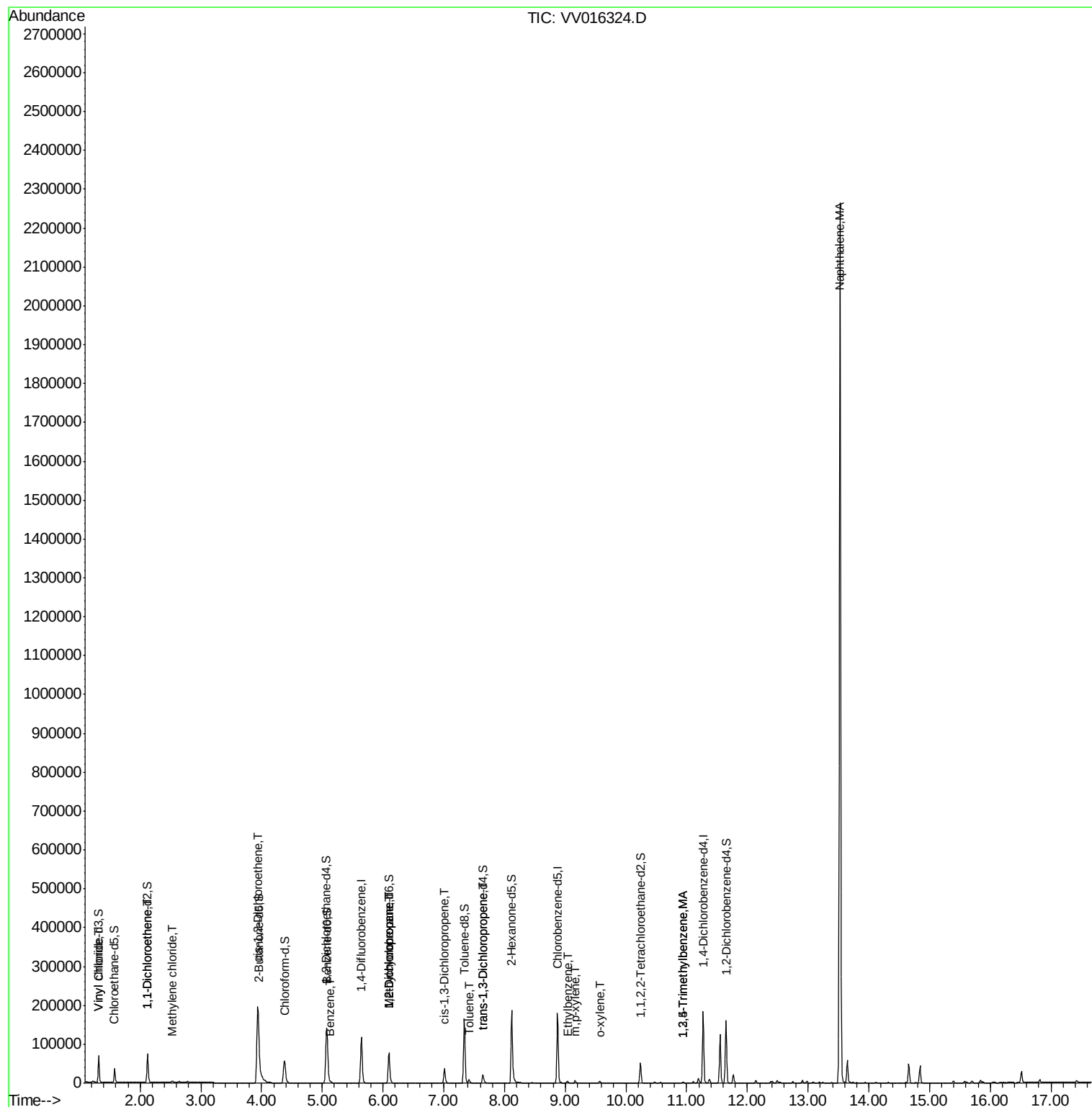
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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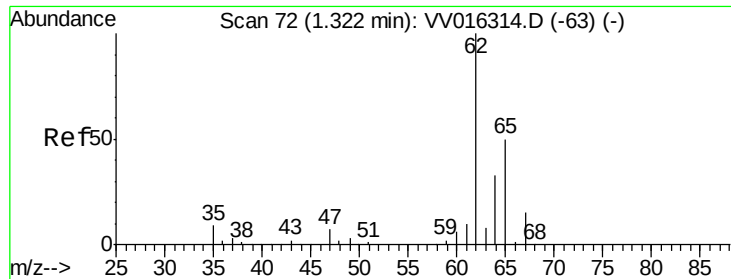
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.913 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV016324.D

Acq: 29 May 2020 18:50

Instrument :

MSVOA_V

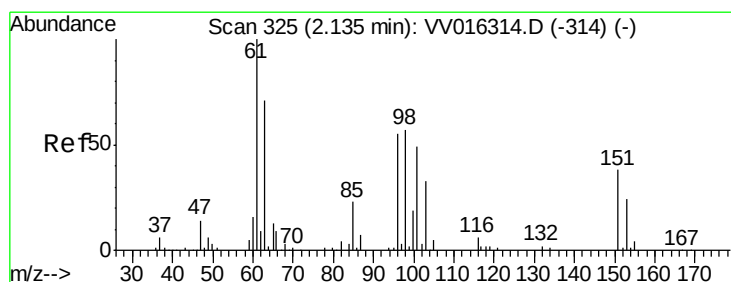
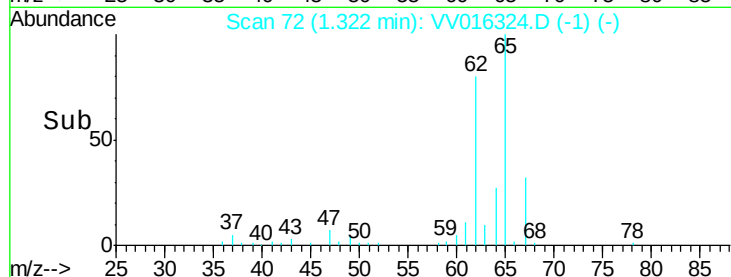
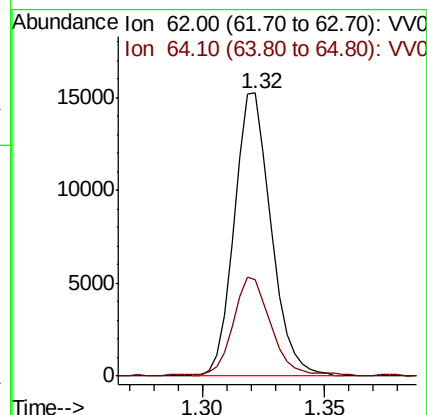
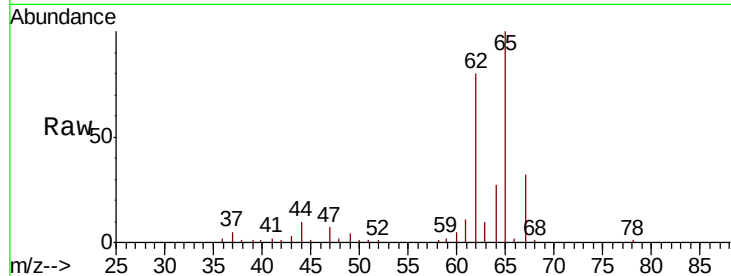
ClientSampleId :

Tot Ion: 62 Resp: 16031

Ion Ratio Lower Upper

62 100

64 33.9 22.1 41.1



#12

1,1-Dichloroethene

Concen: 0.101 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016324.D

Acq: 29 May 2020 18:50

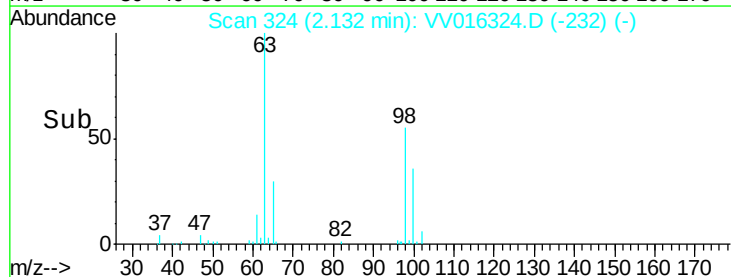
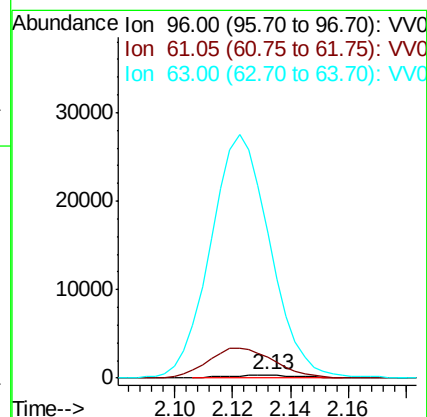
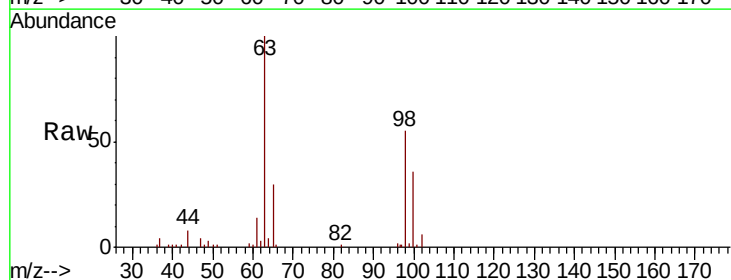
Tgt Ion: 96 Resp: 571

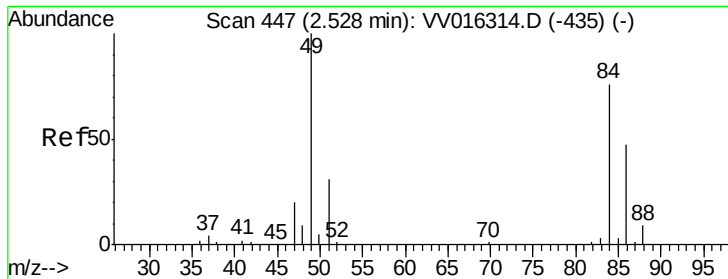
Ion Ratio Lower Upper

96 100

61 453.3 124.9 231.9#

63 3196.9 80.4 149.2#

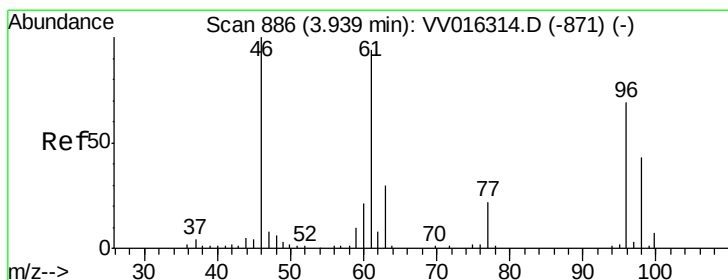
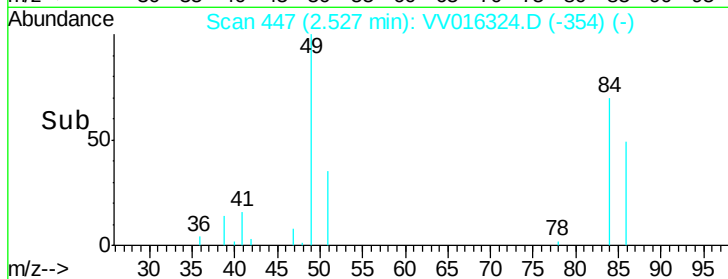
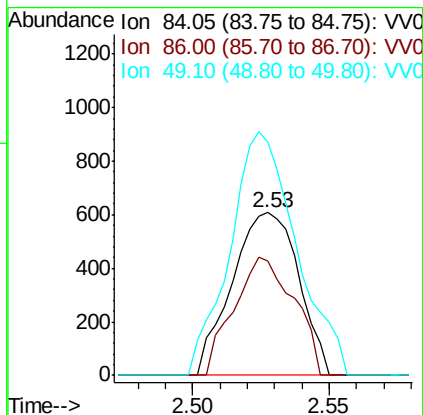
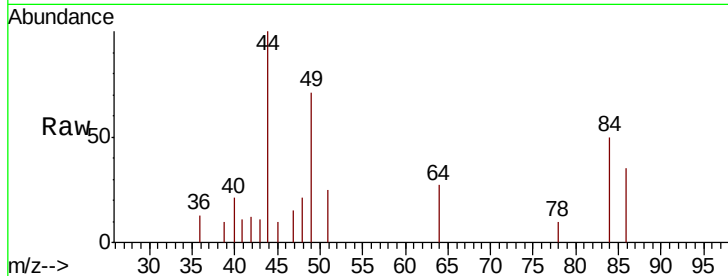




#16
Methylene chloride
Concen: 0.160 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV016324.D
Acq: 29 May 2020 18:50

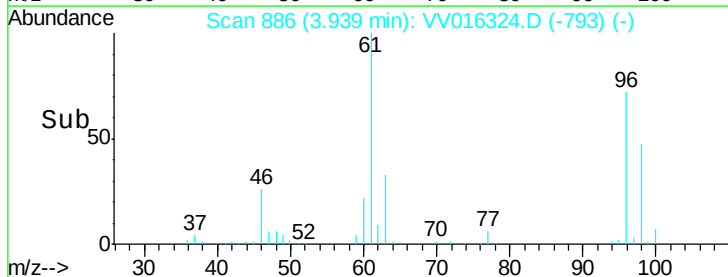
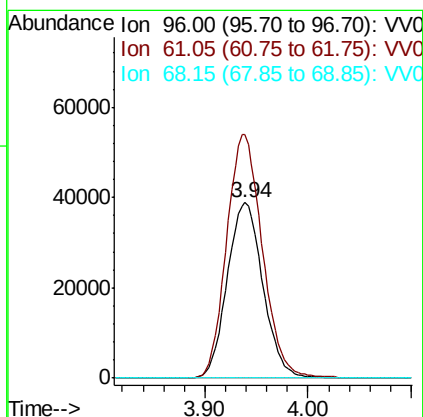
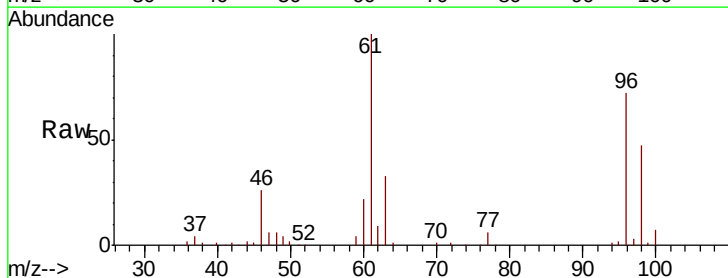
Instrument :
MSVOA_V
ClientSampled :

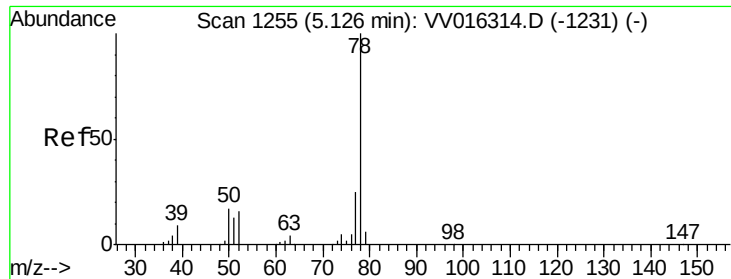
Tot Ion: 84 Resp: 1033
Ion Ratio Lower Upper
84 100
86 70.4 44.9 83.5
49 143.6 96.7 179.7



#22
cis-1,2-Dichloroethene
Concen: 12.817 ug/L
RT: 3.94 min Scan# 886
Delta R.T. -0.00 min
Lab File: VV016324.D
Acq: 29 May 2020 18:50

Tgt Ion: 96 Resp: 93642
Ion Ratio Lower Upper
96 100
61 138.9 99.7 185.1
68 0.0 0.0 0.0

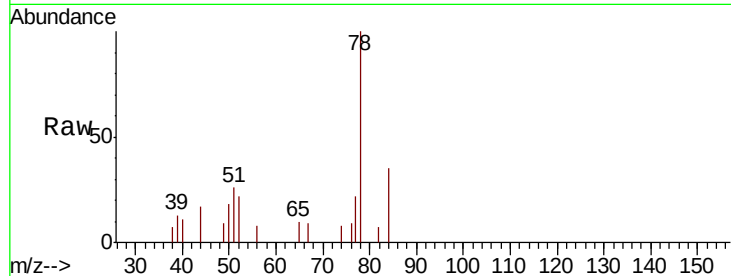




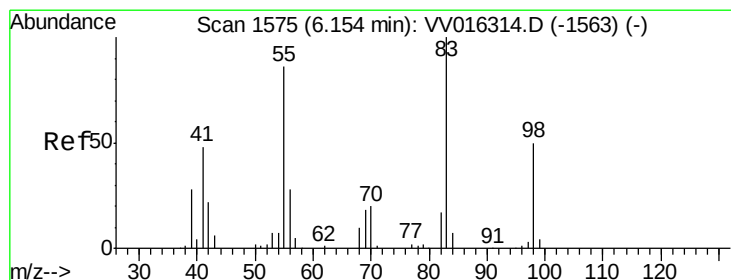
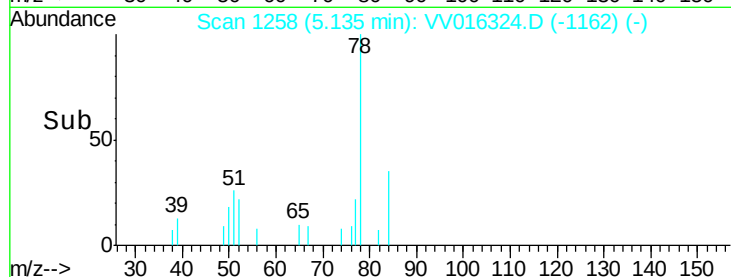
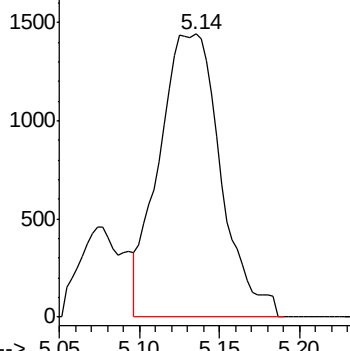
#33
Benzene
Concen: 0.148 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. 0.01 min
Lab File: VV016324.D
Acq: 29 May 2020 18:50

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 3814

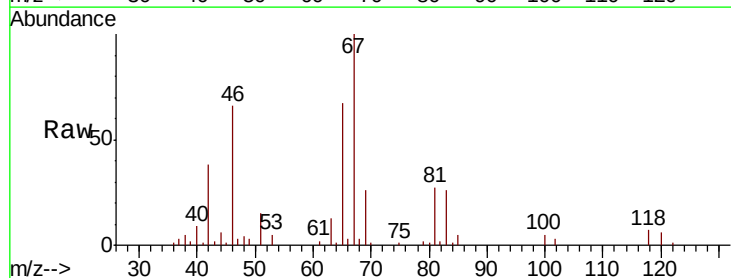


Abundance Ion 78.10 (77.80 to 78.80): VV0



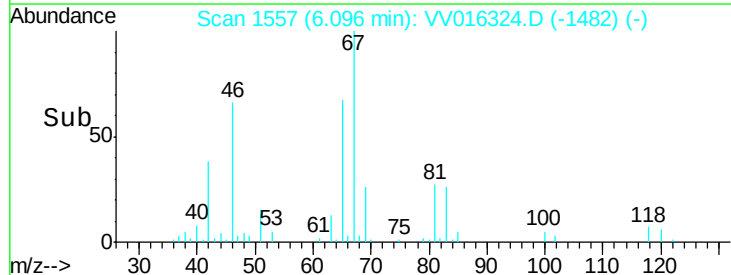
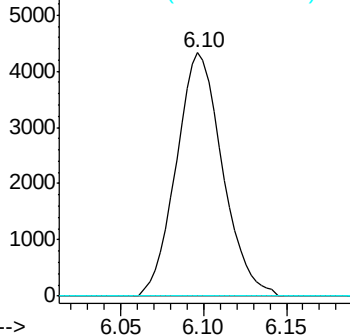
#35
Methylcyclohexane
Concen: 0.741 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV016324.D
Acq: 29 May 2020 18:50

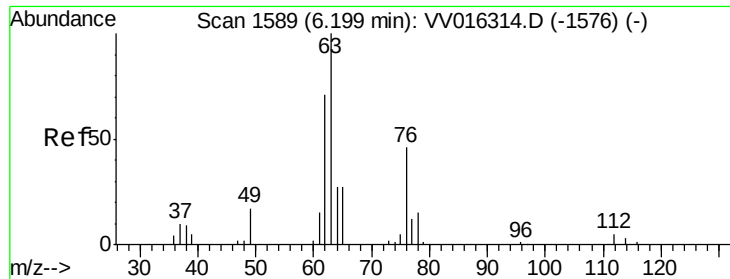
Tgt Ion: 83 Resp: 8382
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.0#
98 0.0 39.3 58.9#



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

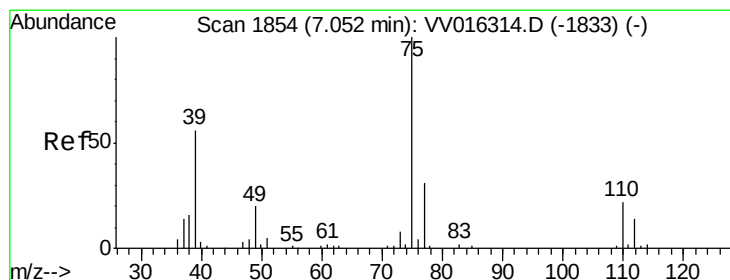
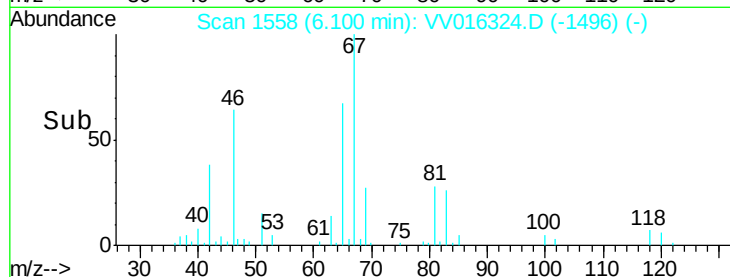
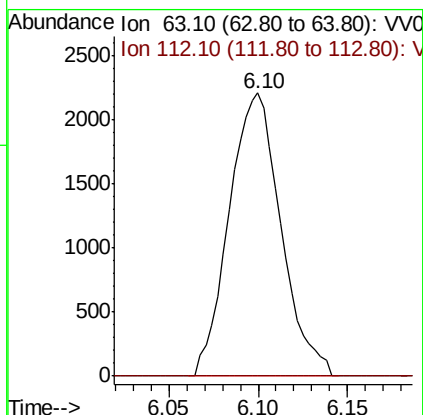
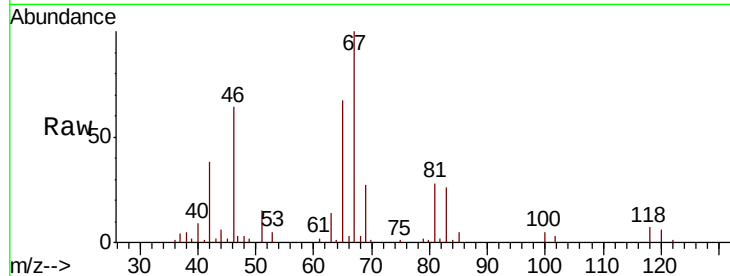




#37
 1,2-Dichloropropane
 Concen: 0.703 ug/L
 RT: 6.10 min Scan# 1558
 Delta R.T. -0.10 min
 Lab File: VV016324.D
 Acq: 29 May 2020 18:50

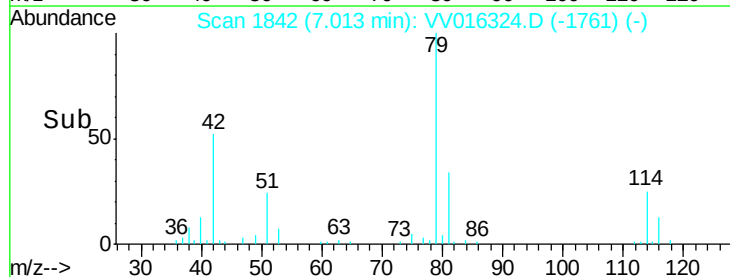
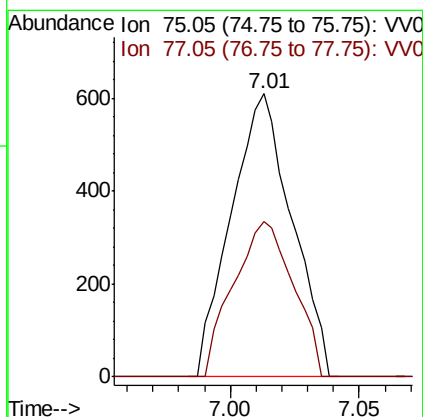
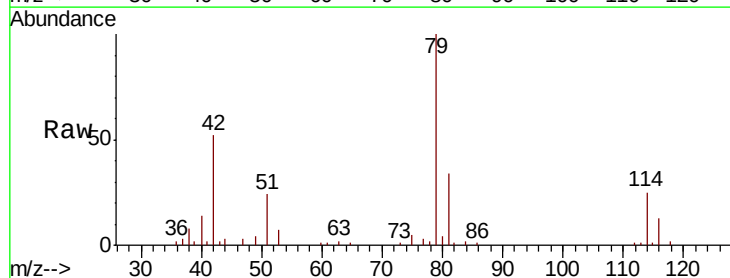
Instrument :
 MSVOA_V
 ClientSampleId :

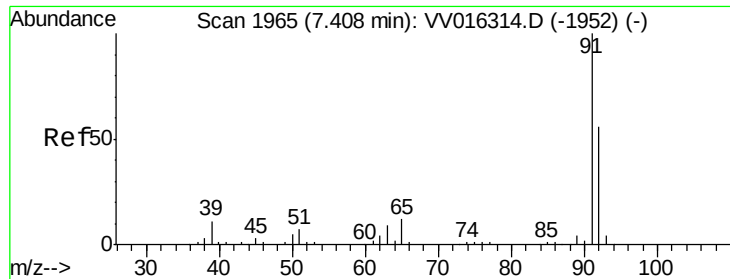
Tot Ion: 63 Resp: 4444
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.112 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV016324.D
 Acq: 29 May 2020 18:50

Tgt Ion: 75 Resp: 1002
 Ion Ratio Lower Upper
 75 100
 77 55.0 21.7 40.3#





#42

Toluene

Concen: 0.225 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV016324.D

Acq: 29 May 2020 18:50

Instrument :

MSVOA_V

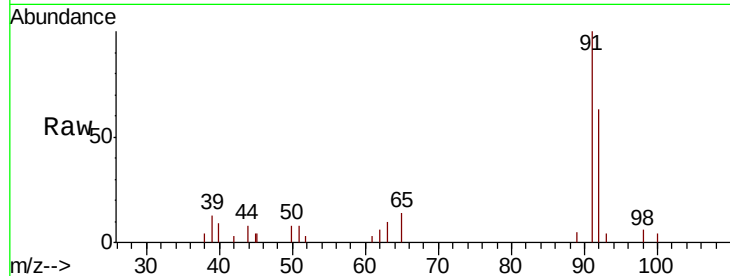
ClientSampleId :

Tot Ion: 91 Resp: 6332

Ion Ratio Lower Upper

91 100

92 62.7 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV016324.D (-1952) (-)

Ion 92.15 (91.85 to 92.85): VV016324.D (-1952) (-)

7.41

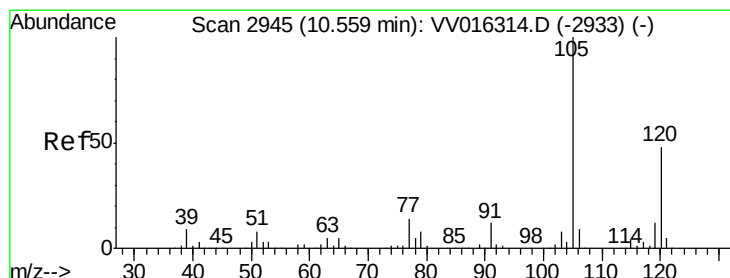
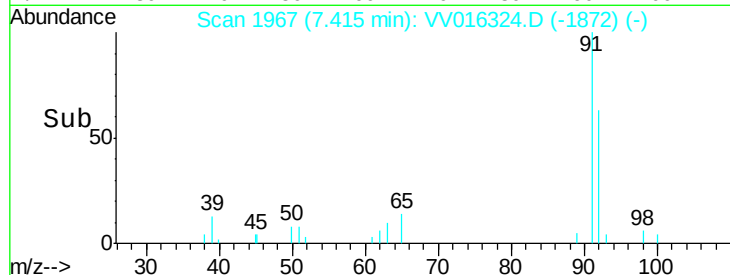
3000

2000

1000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 0.063 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. 0.38 min

Lab File: VV016324.D

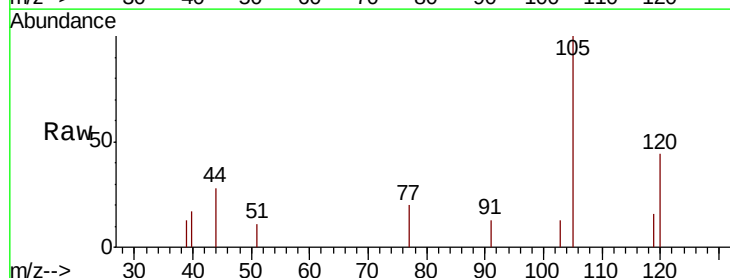
Acq: 29 May 2020 18:50

Tgt Ion: 105 Resp: 1619

Ion Ratio Lower Upper

105 100

120 40.3 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): VV016324.D (-2933) (-)

Ion 120.00 (119.70 to 120.70): VV016324.D (-2933) (-)

10.94

1200

1000

800

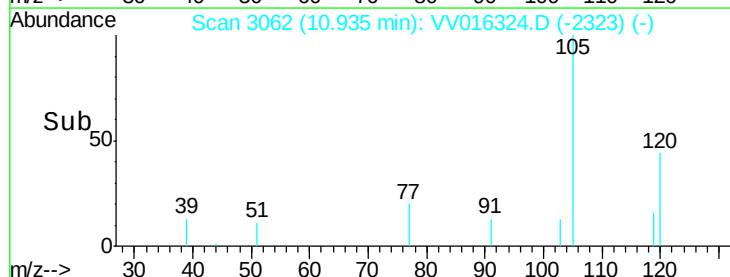
600

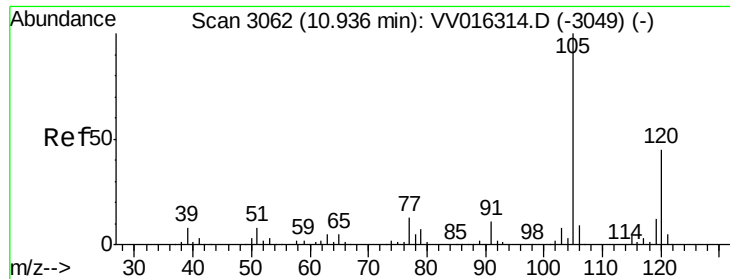
400

200

0

Time-->

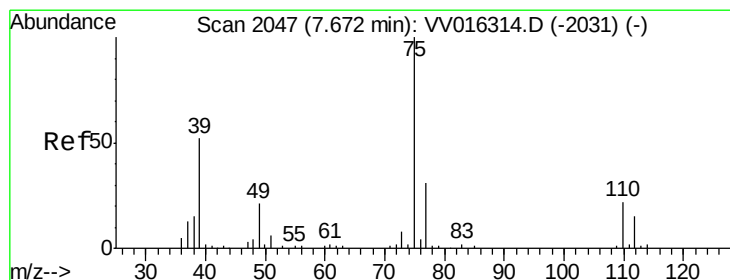
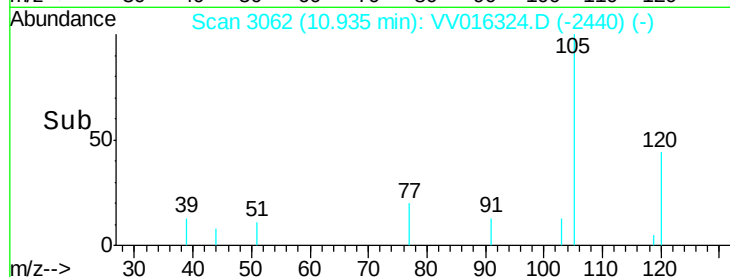
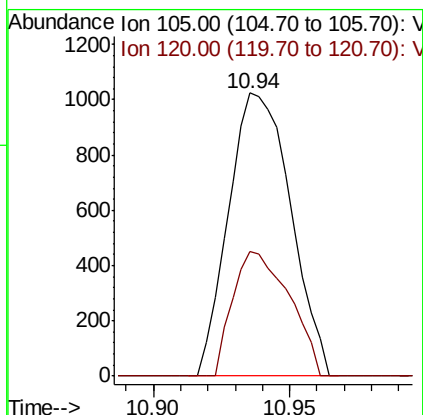
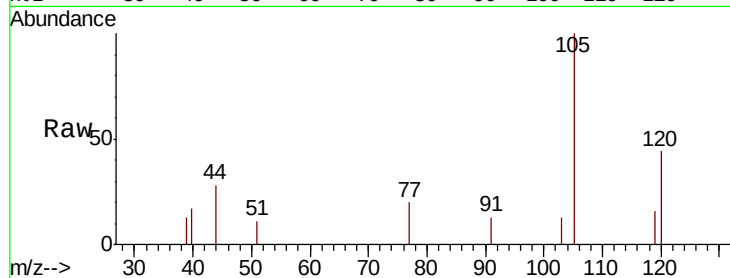




#44
1,2,4-Trimethylbenzene
Concen: 0.061 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VV016324.D
Acq: 29 May 2020 18:50

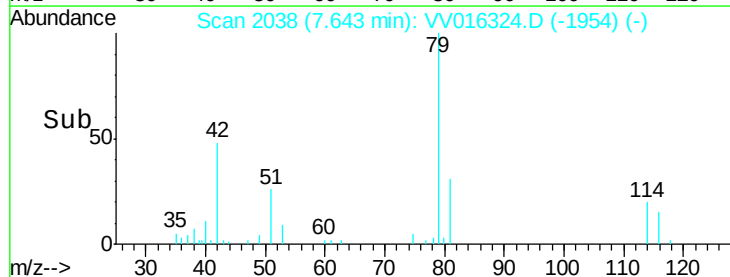
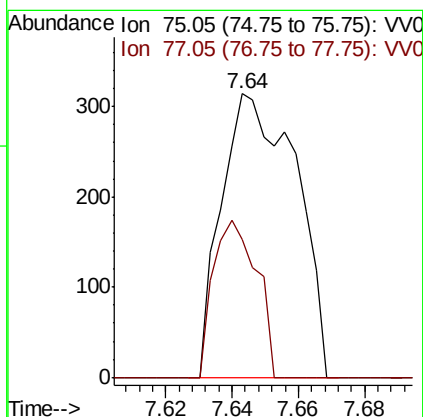
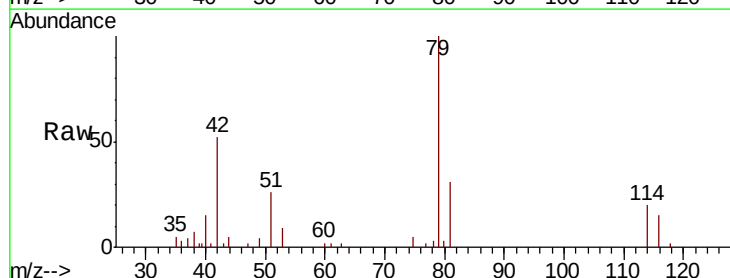
Instrument :
MSVOA_V
ClientSampleId :

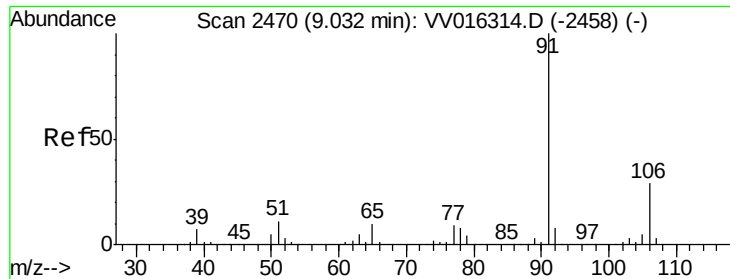
Tot Ion:105 Resp: 1619
Ion Ratio Lower Upper
105 100
120 40.3 34.6 52.0



#46
trans-1,3-Dichloropropene
Concen: 0.066 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. -0.03 min
Lab File: VV016324.D
Acq: 29 May 2020 18:50

Tgt Ion: 75 Resp: 492
Ion Ratio Lower Upper
75 100
77 48.7 21.7 40.3#





#54

Ethylbenzene

Concen: 0.127 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016324.D

Acq: 29 May 2020 18:50

Instrument :

MSVOA_V

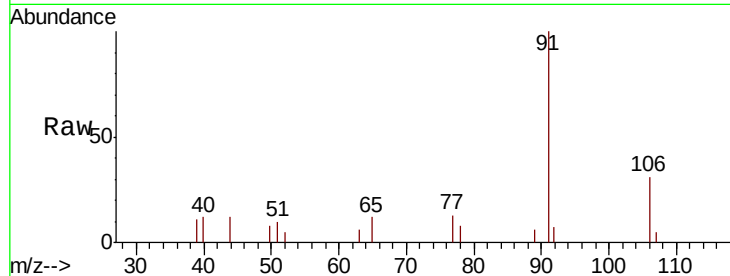
ClientSampleId :

Tot Ion: 91 Resp: 3981

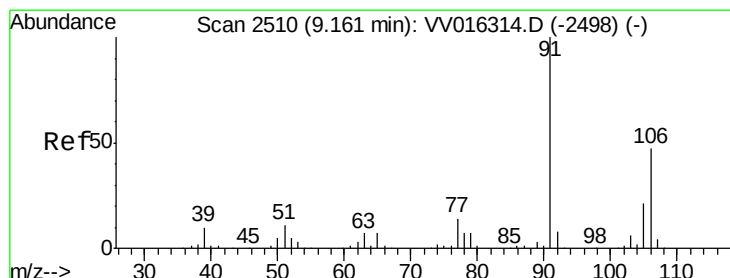
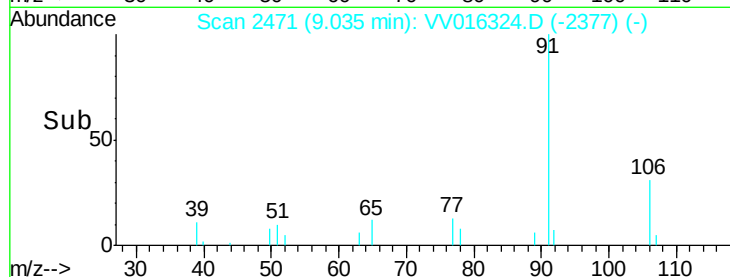
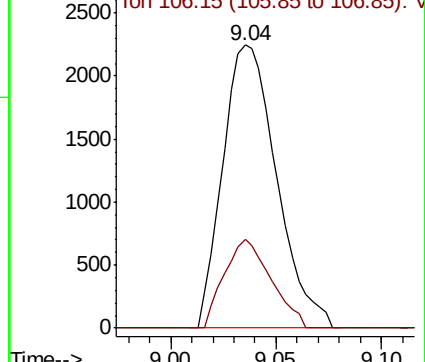
Ion Ratio Lower Upper

91 100

106 31.3 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VV016324.D (-2377) (-)



#55

m,p-xylene

Concen: 0.151 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV016324.D

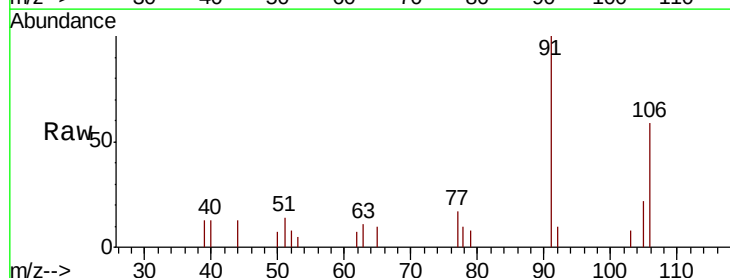
Acq: 29 May 2020 18:50

Tgt Ion: 106 Resp: 1769

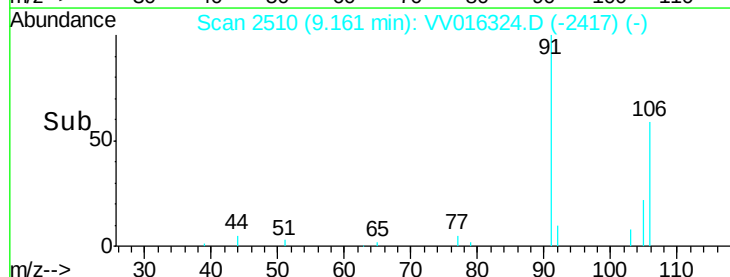
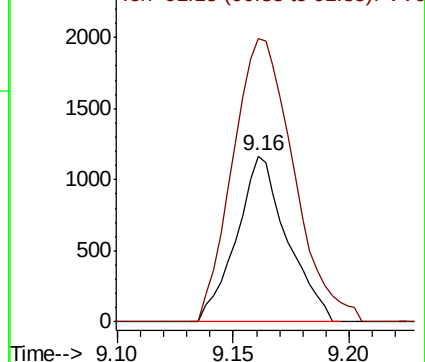
Ion Ratio Lower Upper

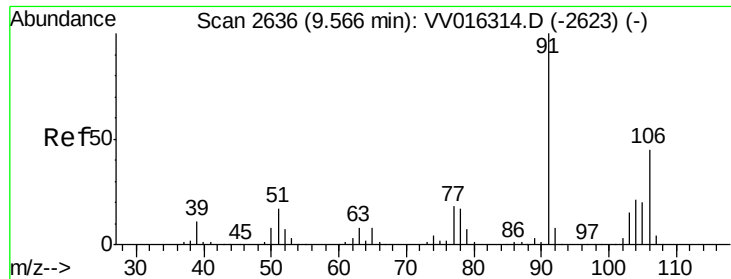
106 100

91 170.3 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): VV016324.D (-2417) (-)

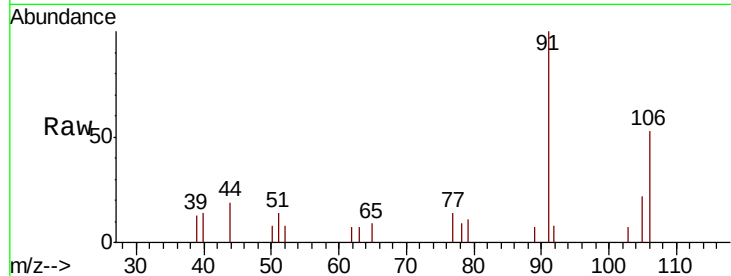




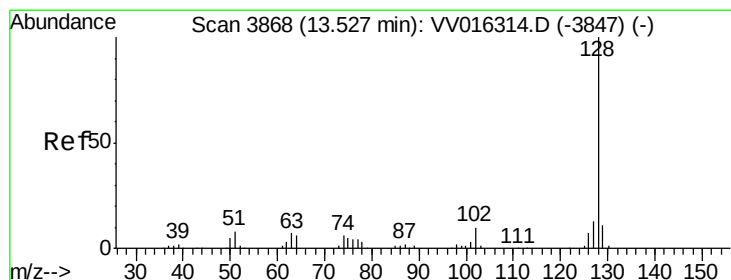
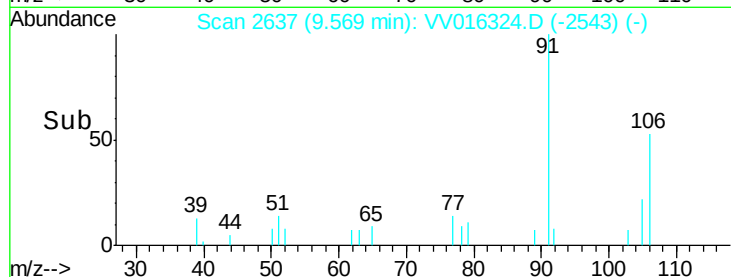
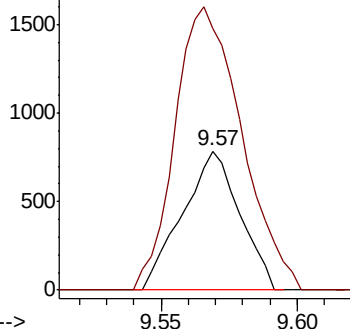
#56
o-xylene
Concen: 0.102 ug/L
RT: 9.57 min Scan# 2637
Delta R.T. 0.00 min
Lab File: VV016324.D
Acq: 29 May 2020 18:50

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 1140
Ion Ratio Lower Upper
106 100
91 188.4 158.8 294.8

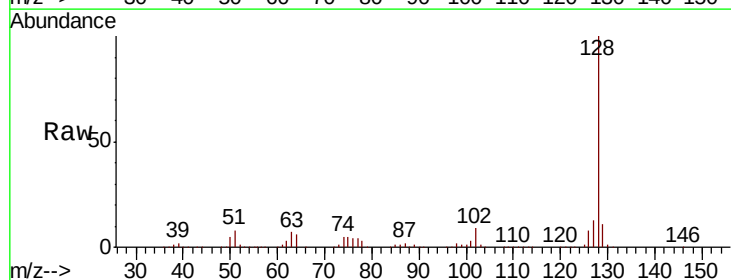


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0



#70
Naphthalene
Concen: 94.856 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. -0.00 min
Lab File: VV016324.D
Acq: 29 May 2020 18:50

Tgt Ion:128 Resp: 1626600
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.0 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

