

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021122\
 Data File : VW024614.D
 Acq On : 11 Feb 2022 19:18
 Operator : SY/MD
 Sample : N1476-10
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 12 03:46:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Feb 12 03:41:27 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	118889	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	118966	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	59327	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	41003	4.114	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	82.200%	
7) Chloroethane-d5	1.568	69	39330	4.668	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	93.400%	
11) 1,1-Dichloroethene-d2	2.108	63	68920	3.162	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	63.200%	
20) 2-Butanone-d5	3.896	46	91802	55.490	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	110.980%	
24) Chloroform-d	4.349	84	82740	4.717	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	94.400%	
26) 1,2-Dichloroethane-d4	5.034	65	40955	5.146	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	103.000%	
32) Benzene-d6	5.050	84	168639	4.996	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	100.000%	
36) 1,2-Dichloropropane-d6	6.069	67	52391	4.990	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	99.800%	
41) Toluene-d8	7.317	98	149922	4.762	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	95.200%	
43) trans-1,3-Dichloroprop...	7.625	79	18764	4.426	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	88.600%	
46) 2-Hexanone-d5	8.088	63	78285	52.411	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	104.820%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	31636	5.061	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	101.200%	
66) 1,2-Dichlorobenzene-d4	11.622	152	47321	4.948	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	99.000%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.121	96	3706	0.301	ug/L #	1
13) Acetone	2.188	43	5266	4.033	ug/L	81
17) Methyl tert-butyl Ether	2.773	73	7716	0.304	ug/L #	89
19) 1,1-Dichloroethane	3.195	63	6618	0.317	ug/L	98
22) cis-1,2-Dichloroethene	3.915	96	30222	2.479	ug/L	92
25) Chloroform	4.384	83	7139	0.327	ug/L	98
27) 1,2-Dichloroethane	5.050	62	896	0.075	ug/L #	73
29) 1,1,1-Trichloroethane	4.616	97	1519	0.078	ug/L #	38
33) Benzene	5.108	78	4791	0.103	ug/L	100
34) Trichloroethene	5.912	95	315665	24.690	ug/L	89
35) Methylcyclohexane	6.072	83	12302	0.582	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	5846	0.519	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1664	0.097	ug/L	85
42) Toluene	7.394	91	10395	0.206	ug/L	98
45) 1,1,2-Trichloroethane	7.969	97	2121	0.291	ug/L #	1
47) Tetrachloroethene	7.973	164	196296	23.143	ug/L	90
49) Dibromochloromethane	7.973	129	201194	22.845	ug/L #	11
52) Ethylbenzene	9.018	91	2967	0.053	ug/L	97
53) m,p-xylene	9.140	106	2787	0.131	ug/L	99

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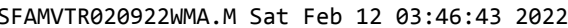
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MSVOA_V
ClientSampleId :

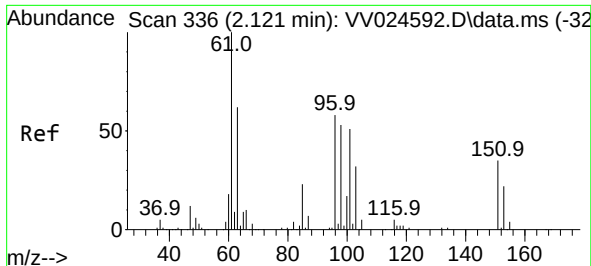
Quant Time: Feb 12 03:46:35 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Feb 12 03:41:27 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-xylene	9.548	106	1371	0.067	ug/L	97
60) Isopropylbenzene	10.455	105	2409	0.045	ug/L #	89
61) 1,2,3-Trichloropropane	11.246	75	8525	1.458	ug/L #	64
63) 1,2,4-Trimethylbenzene	10.918	105	3129	0.068	ug/L	93

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

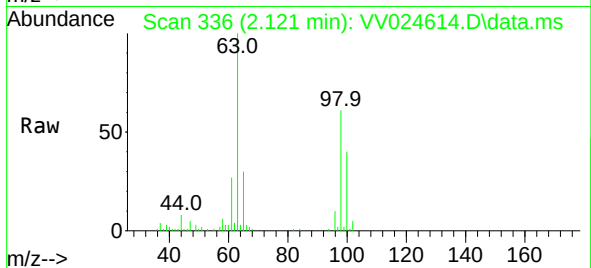
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
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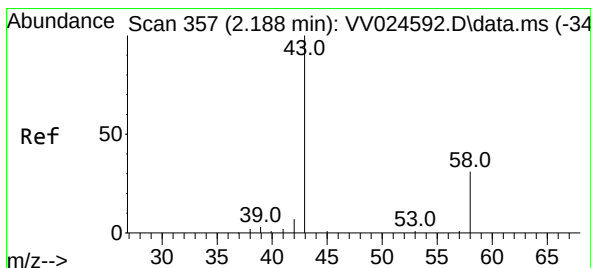
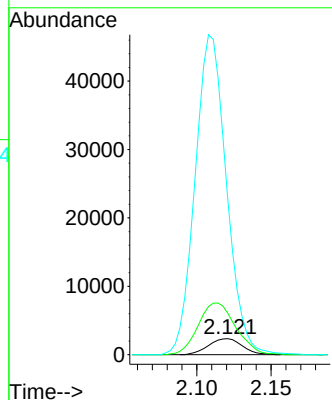
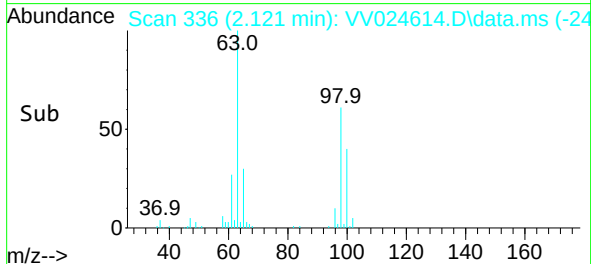


#12
 1,1-Dichloroethene
 Concen: 0.301 ug/L
 RT: 2.121 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV024614.D
 Acq: 11 Feb 2022 19:18

Instrument :
 MSVOA_V
 ClientSampleId :

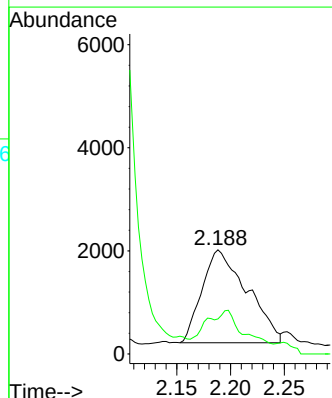
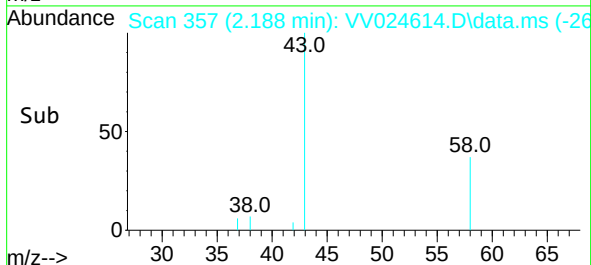
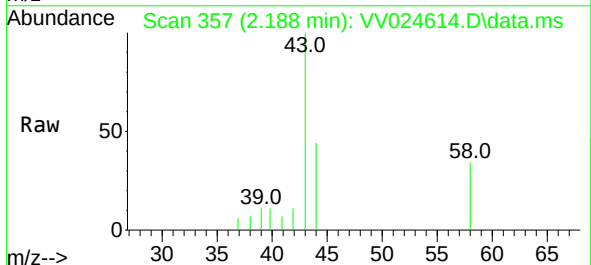


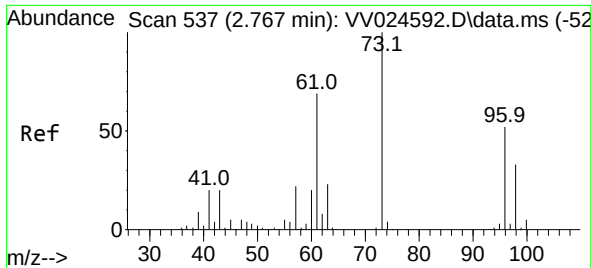
Tgt Ion: 96 Resp: 3706
 Ion Ratio Lower Upper
 96 100
 61 260.1 116.1 215.5#
 63 977.4 79.4 147.4#



#13
 Acetone
 Concen: 4.033 ug/L
 RT: 2.188 min Scan# 357
 Delta R.T. 0.000 min
 Lab File: VV024614.D
 Acq: 11 Feb 2022 19:18

Tgt Ion: 43 Resp: 5266
 Ion Ratio Lower Upper
 43 100
 58 29.7 0.0 41.4

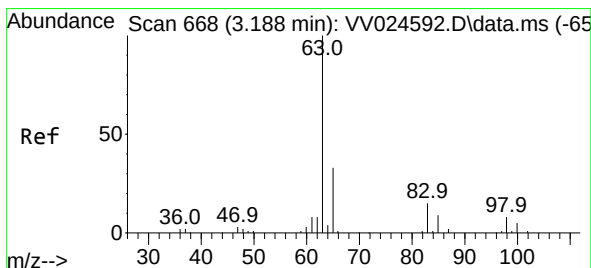
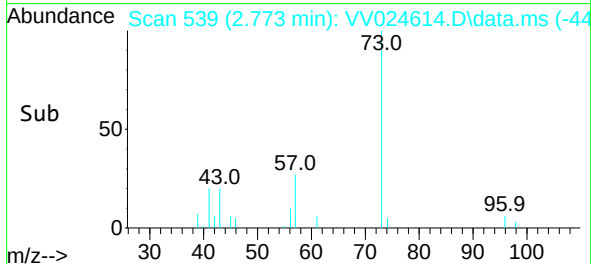
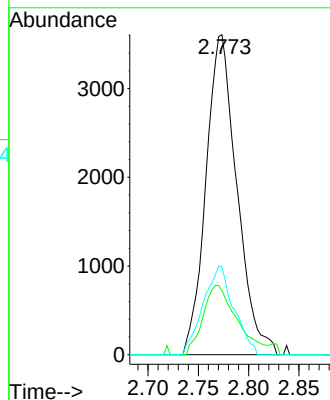
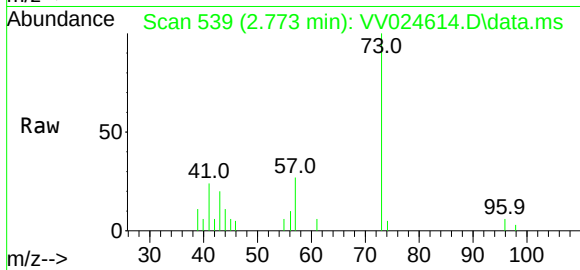




#17
Methyl tert-butyl Ether
Concen: 0.304 ug/L
RT: 2.773 min Scan# 51
Delta R.T. 0.007 min
Lab File: VV024614.D
Acq: 11 Feb 2022 19:18

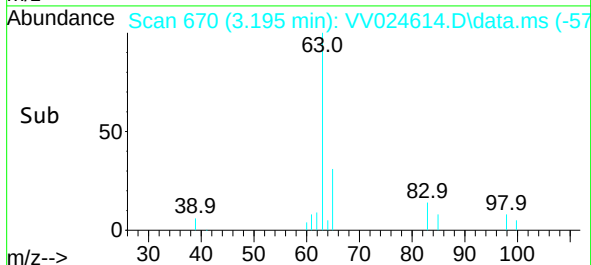
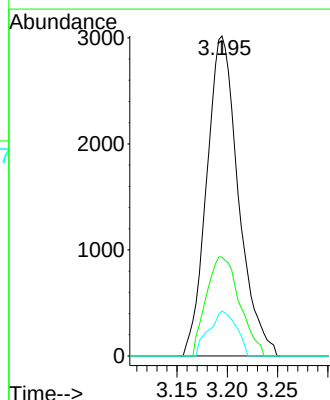
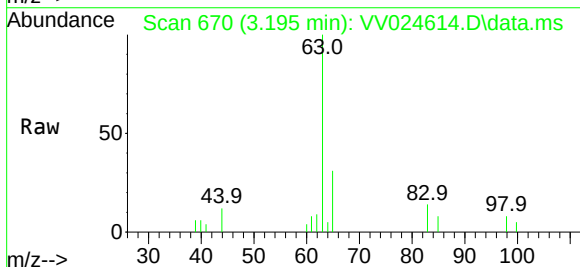
Instrument :
MSVOA_V
ClientSampleId :

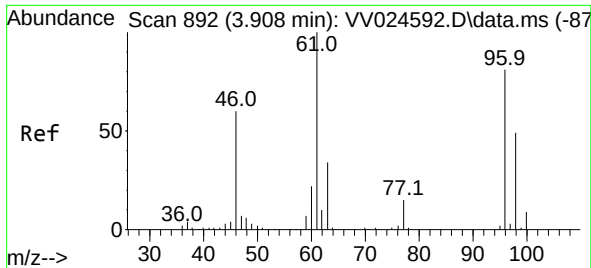
Tgt Ion: 73 Resp: 7716
Ion Ratio Lower Upper
73 100
43 23.8 15.5 23.3#
57 27.4 17.1 25.7#



#19
1,1-Dichloroethane
Concen: 0.317 ug/L
RT: 3.195 min Scan# 670
Delta R.T. 0.007 min
Lab File: VV024614.D
Acq: 11 Feb 2022 19:18

Tgt Ion: 63 Resp: 6618
Ion Ratio Lower Upper
63 100
65 30.9 22.3 41.3
83 14.0 10.7 19.9





#22

cis-1,2-Dichloroethene

Concen: 2.479 ug/L

RT: 3.915 min Scan# 89

Delta R.T. 0.007 min

Lab File: VV024614.D

Acq: 11 Feb 2022 19:18

Instrument :

MSVOA_V

ClientSampleId :

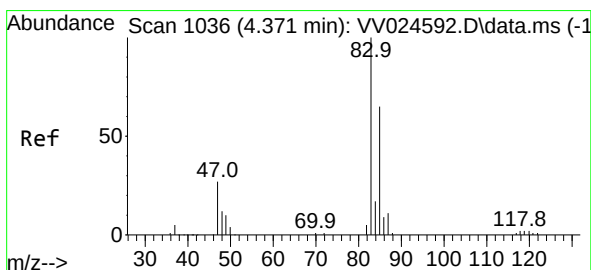
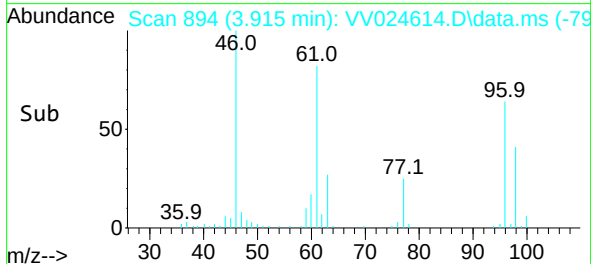
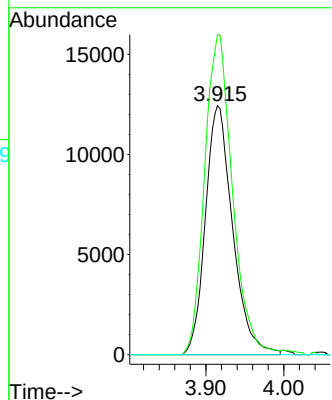
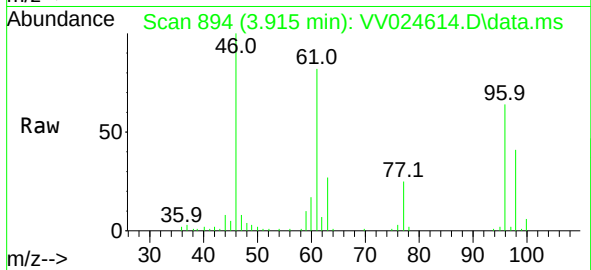
Tgt Ion: 96 Resp: 30222

Ion Ratio Lower Upper

96 100

61 128.5 83.4 154.8

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.327 ug/L

RT: 4.384 min Scan# 1040

Delta R.T. 0.013 min

Lab File: VV024614.D

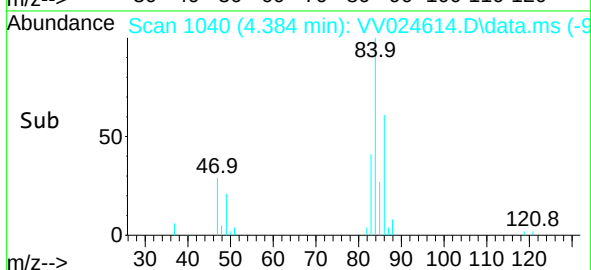
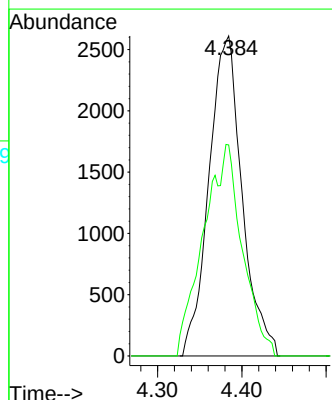
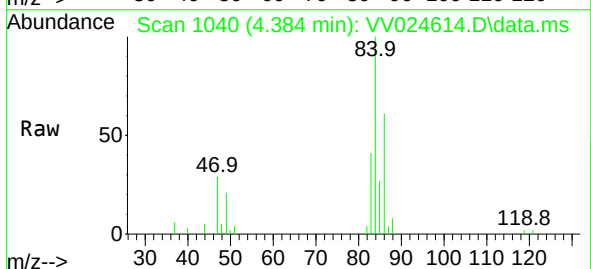
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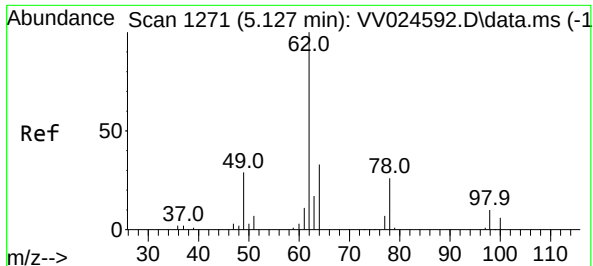
Tgt Ion: 83 Resp: 7139

Ion Ratio Lower Upper

83 100

85 66.0 45.2 84.0





#27

1,2-Dichloroethane

Concen: 0.075 ug/L

RT: 5.050 min Scan# 1112

Delta R.T. -0.077 min

Lab File: VV024614.D

Acq: 11 Feb 2022 19:18

Instrument :

MSVOA_V

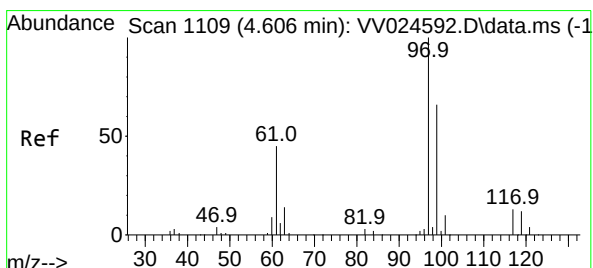
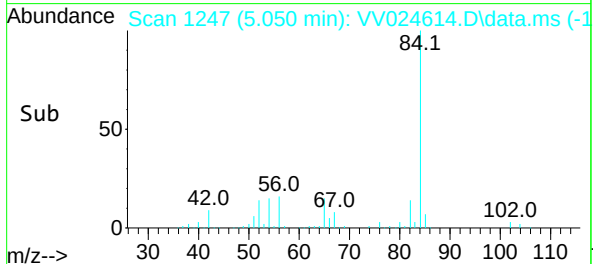
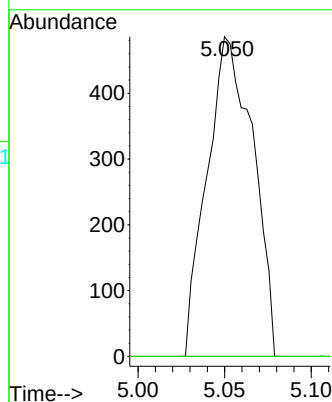
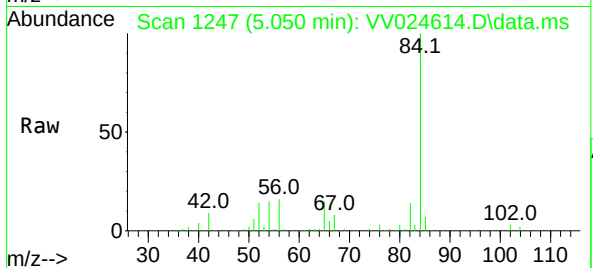
ClientSampleId :

Tgt Ion: 62 Resp: 896

Ion Ratio Lower Upper

62 100

98 0.0 8.1 12.1#



#29

1,1,1-Trichloroethane

Concen: 0.078 ug/L

RT: 4.616 min Scan# 1112

Delta R.T. 0.010 min

Lab File: VV024614.D

Acq: 11 Feb 2022 19:18

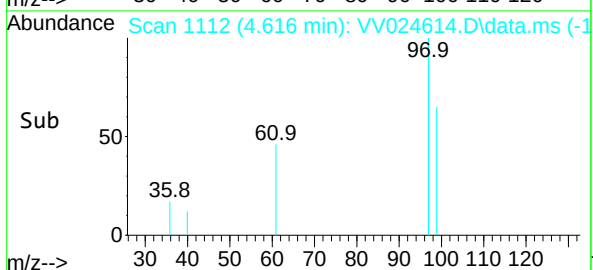
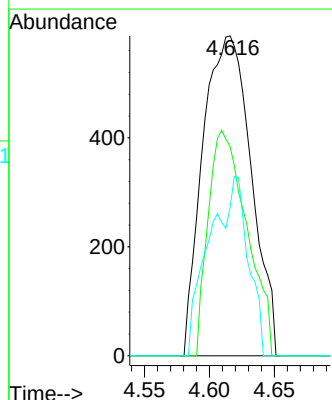
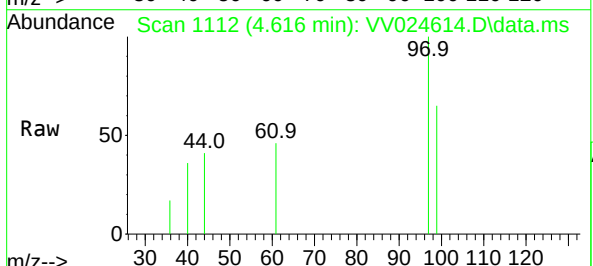
Tgt Ion: 97 Resp: 1519

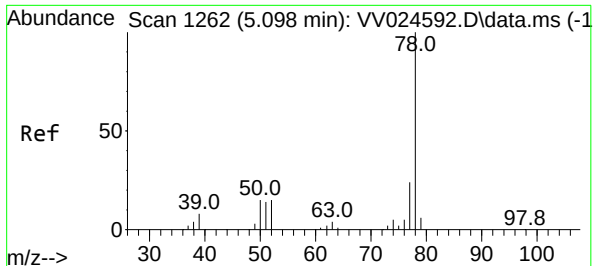
Ion Ratio Lower Upper

97 100

99 0.0 51.9 77.9#

61 22.3 33.2 49.8#

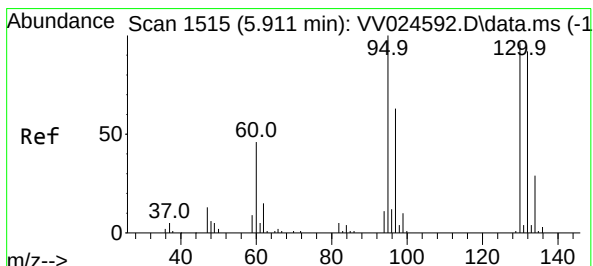
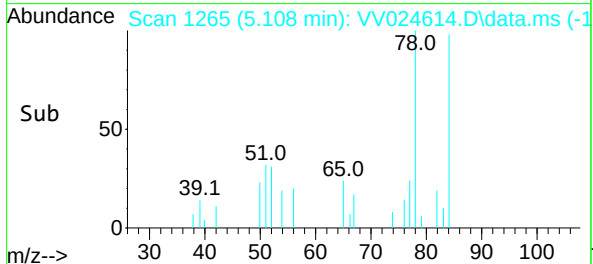
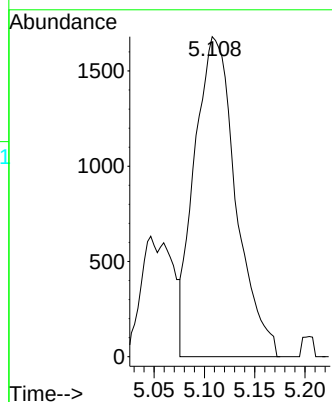
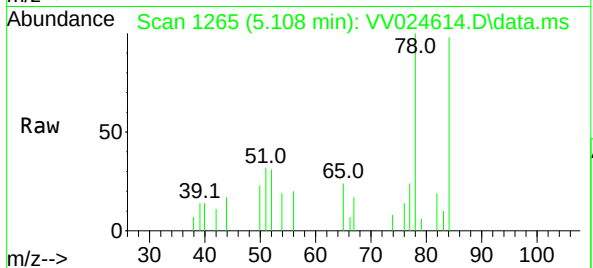




#33
Benzene
Concen: 0.103 ug/L
RT: 5.108 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV024614.D
Acq: 11 Feb 2022 19:18

Instrument :
MSVOA_V
ClientSampleId :

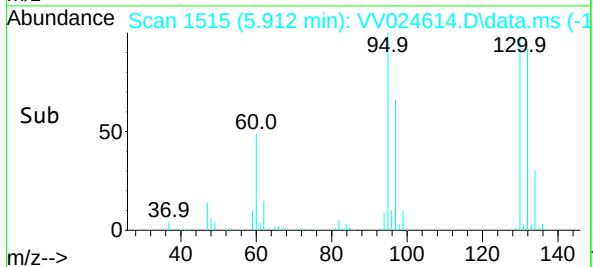
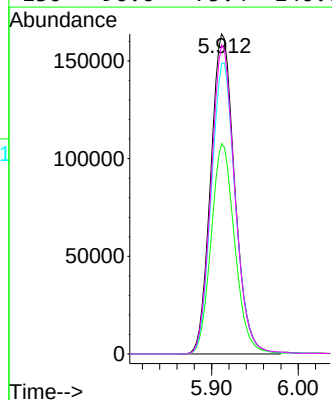
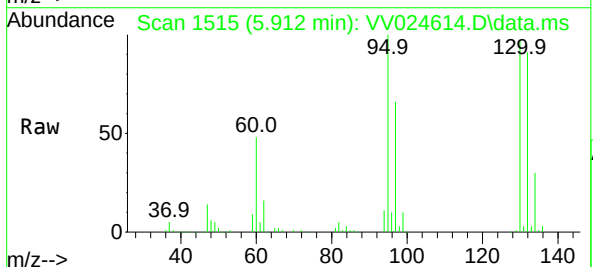
Tgt Ion: 78 Resp: 4791

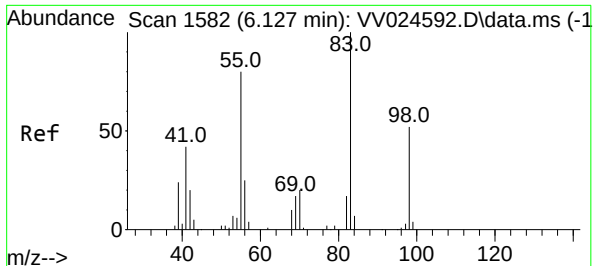


#34
Trichloroethene
Concen: 24.690 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.000 min
Lab File: VV024614.D
Acq: 11 Feb 2022 19:18

Tgt Ion: 95 Resp: 315665

Ion	Ratio	Lower	Upper
95	100		
97	65.8	45.2	84.0
132	90.8	76.1	141.3
130	96.6	75.4	140.0





#35

Methylcyclohexane

Concen: 0.582 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.054 min

Lab File: VV024614.D

Acq: 11 Feb 2022 19:18

Instrument :

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ClientSampleId :

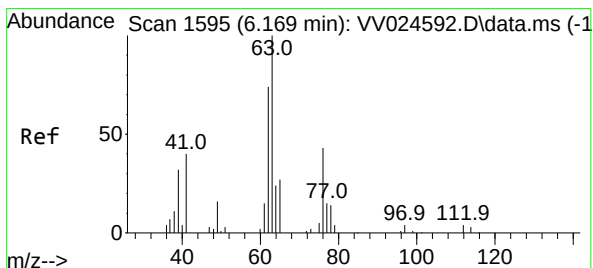
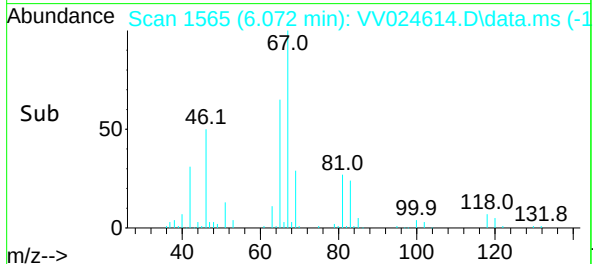
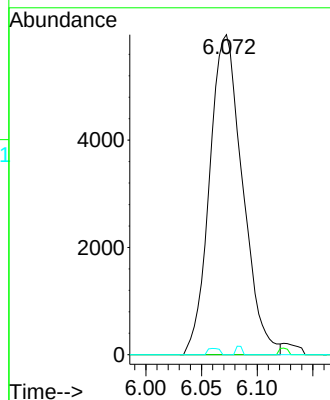
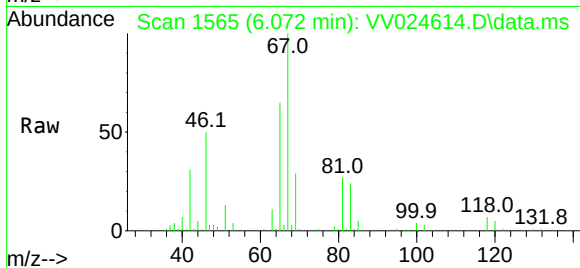
Tgt Ion: 83 Resp: 12302

Ion Ratio Lower Upper

83 100

55 0.5 60.2 90.2#

98 0.0 41.0 61.4#



#37

1,2-Dichloropropane

Concen: 0.519 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.099 min

Lab File: VV024614.D

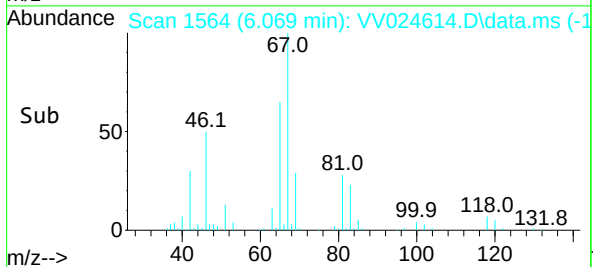
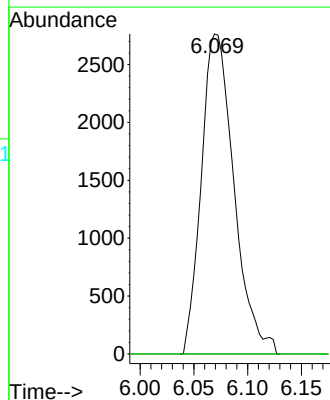
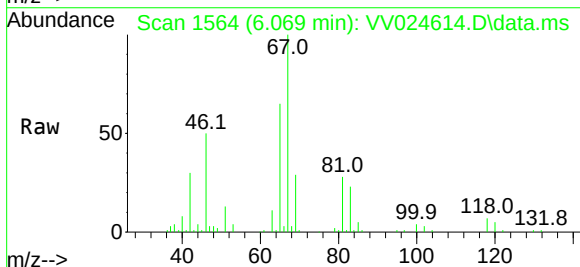
Acq: 11 Feb 2022 19:18

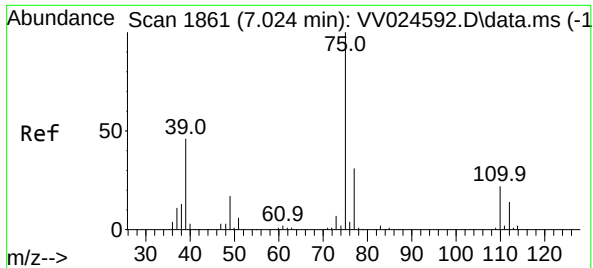
Tgt Ion: 63 Resp: 5846

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#





#39

cis-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 6.989 min Scan# 1861

Delta R.T. -0.035 min

Lab File: VV024614.D

Acq: 11 Feb 2022 19:18

Instrument :

MSVOA_V

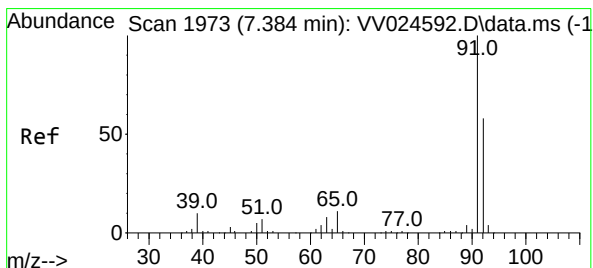
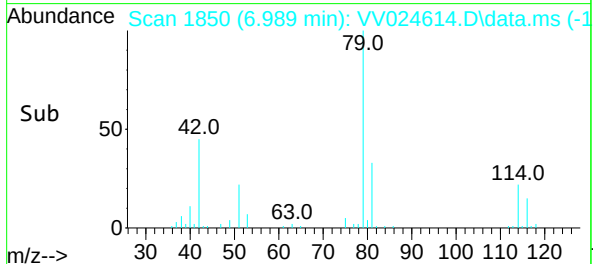
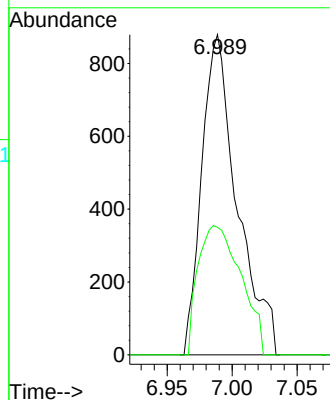
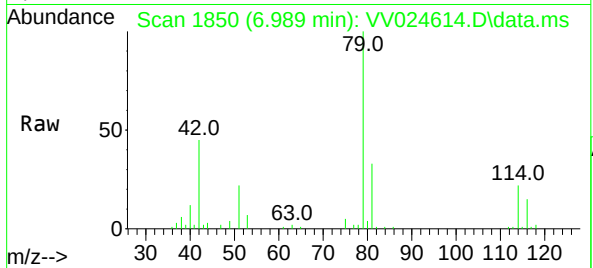
ClientSampleId :

Tgt Ion: 75 Resp: 1664

Ion Ratio Lower Upper

75 100

77 39.8 22.0 41.0



#42

Toluene

Concen: 0.206 ug/L

RT: 7.394 min Scan# 1976

Delta R.T. 0.010 min

Lab File: VV024614.D

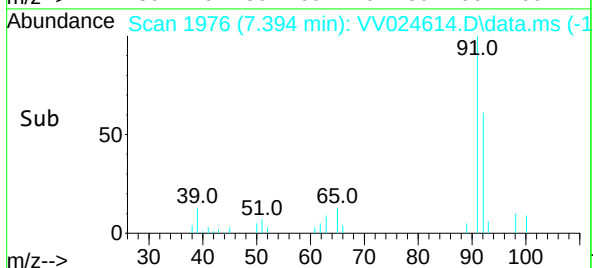
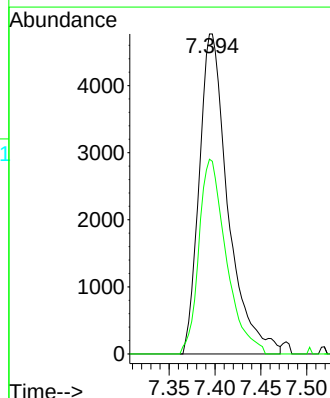
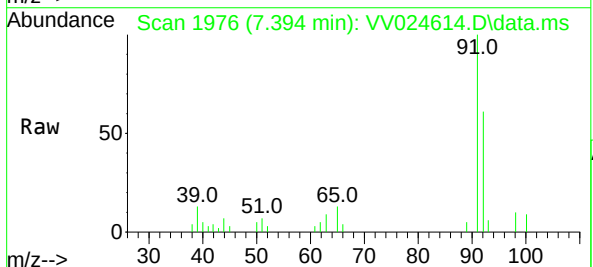
Acq: 11 Feb 2022 19:18

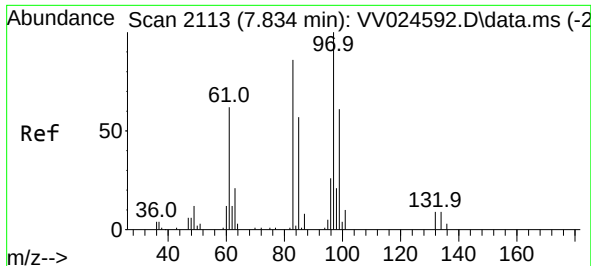
Tgt Ion: 91 Resp: 10395

Ion Ratio Lower Upper

91 100

92 60.9 41.5 77.1





#45

1,1,2-Trichloroethane

Concen: 0.291 ug/L

RT: 7.969 min Scan# 2113

Delta R.T. 0.135 min

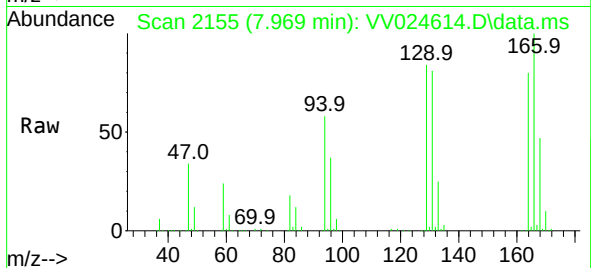
Lab File: VV024614.D

Acq: 11 Feb 2022 19:18

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 97 Resp: 2121

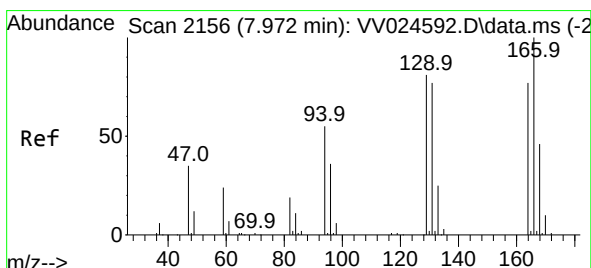
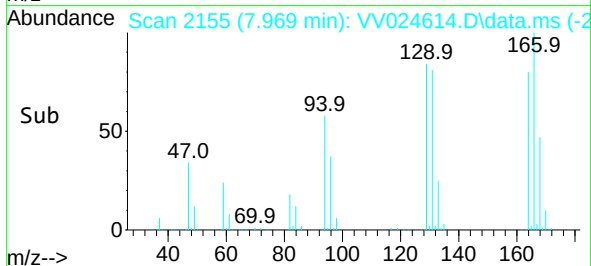
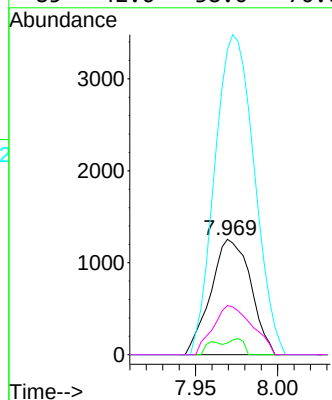
Ion Ratio Lower Upper

97 100

99 10.0 43.1 80.1#

83 264.3 57.9 107.5#

85 42.6 38.0 70.6



#47

Tetrachloroethene

Concen: 23.143 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV024614.D

Acq: 11 Feb 2022 19:18

Tgt Ion: 164 Resp: 196296

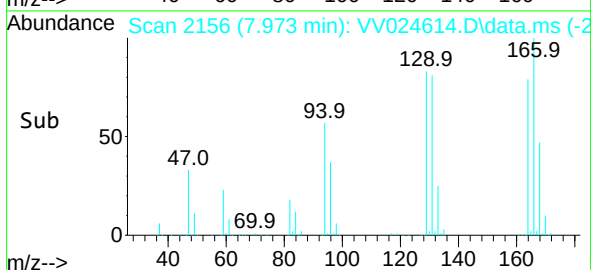
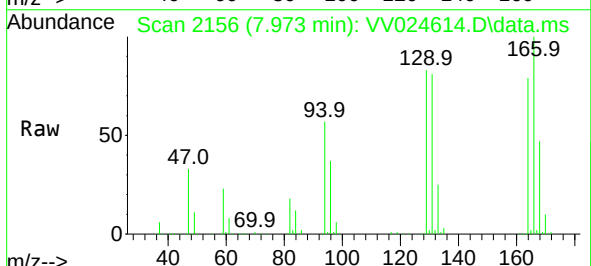
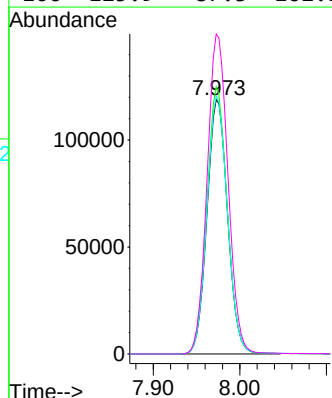
Ion Ratio Lower Upper

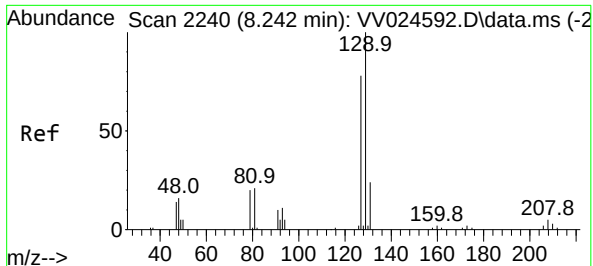
164 100

129 105.1 62.6 116.2

131 101.4 61.0 113.4

166 125.9 87.3 162.1





#49

Dibromochloromethane

Concen: 22.845 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV024614.D

Acq: 11 Feb 2022 19:18

Instrument :

MSVOA_V

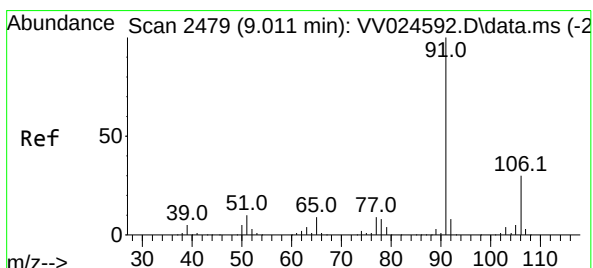
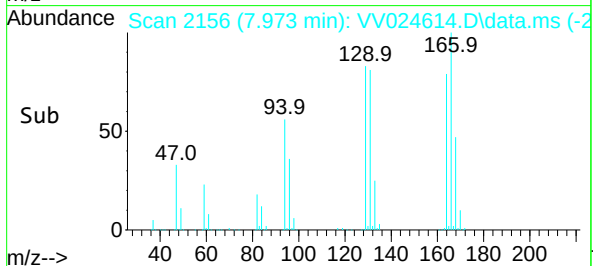
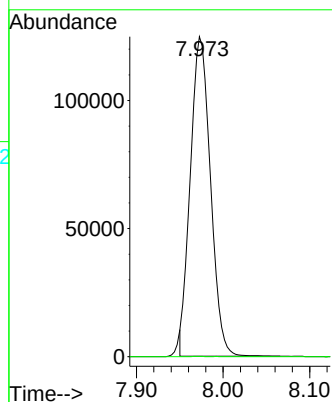
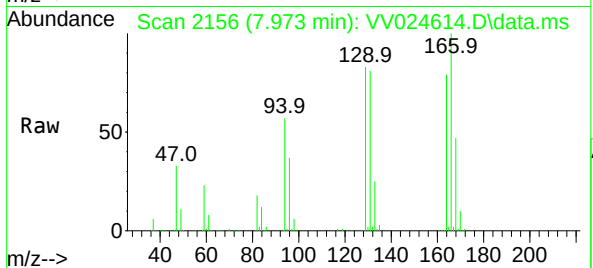
ClientSampleId :

Tgt Ion:129 Resp: 201194

Ion Ratio Lower Upper

129 100

127 0.1 53.5 99.3#



#52

Ethylbenzene

Concen: 0.053 ug/L

RT: 9.018 min Scan# 2481

Delta R.T. 0.007 min

Lab File: VV024614.D

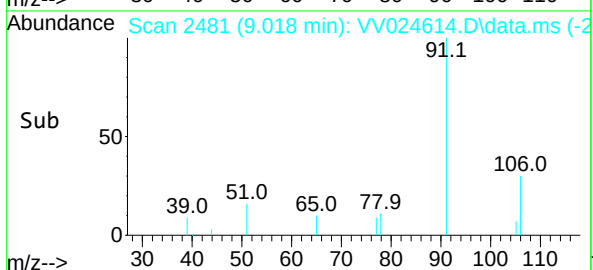
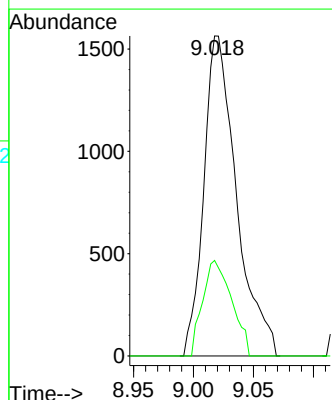
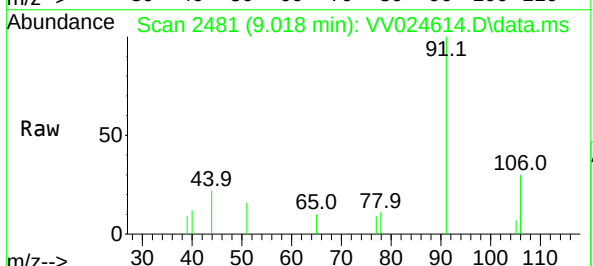
Acq: 11 Feb 2022 19:18

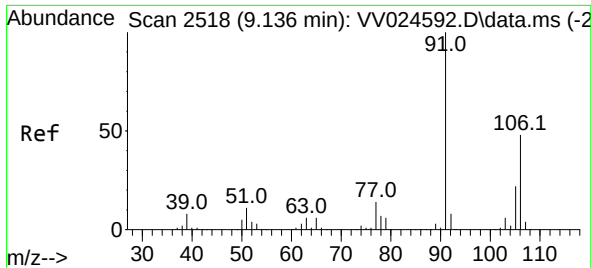
Tgt Ion: 91 Resp: 2967

Ion Ratio Lower Upper

91 100

106 29.9 22.0 41.0

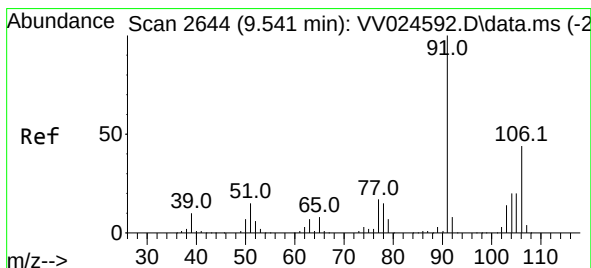
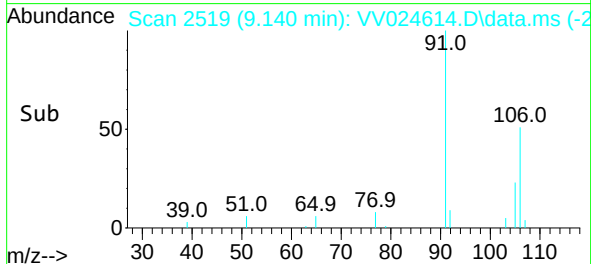
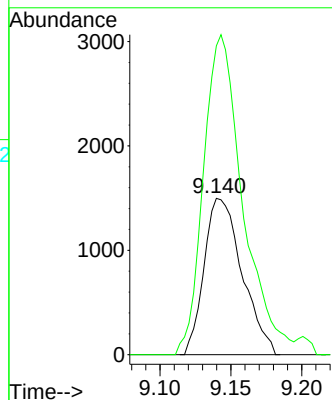
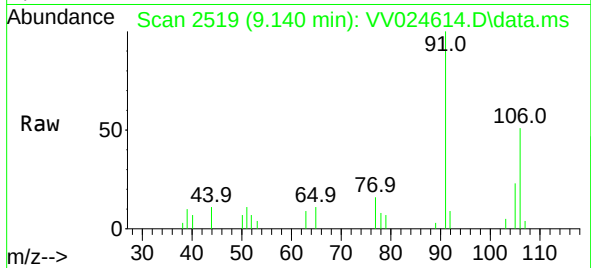




#53
m,p-xylene
Concen: 0.131 ug/L
RT: 9.140 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV024614.D
Acq: 11 Feb 2022 19:18

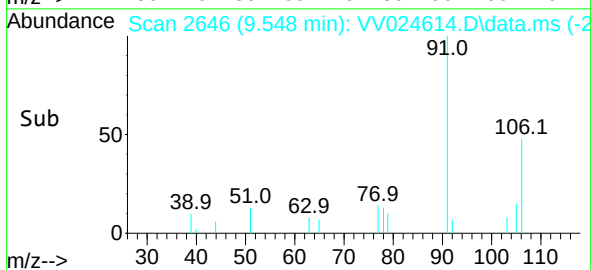
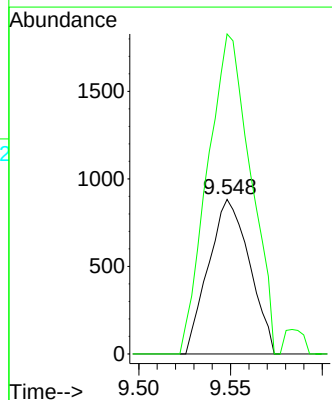
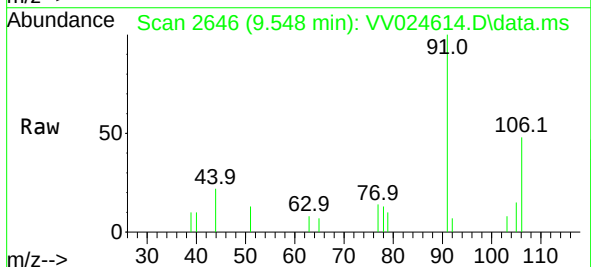
Instrument :
MSVOA_V
ClientSampleId :

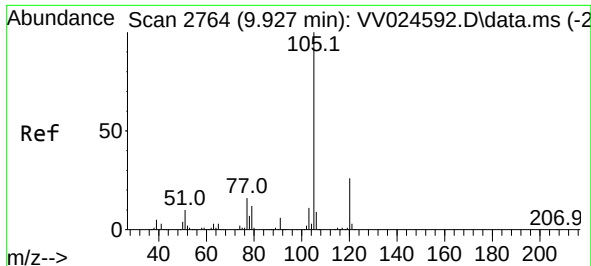
Tgt Ion:106 Resp: 2787
Ion Ratio Lower Upper
106 100
91 197.5 139.5 259.1



#54
o-xylene
Concen: 0.067 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.007 min
Lab File: VV024614.D
Acq: 11 Feb 2022 19:18

Tgt Ion:106 Resp: 1371
Ion Ratio Lower Upper
106 100
91 207.0 147.9 274.7

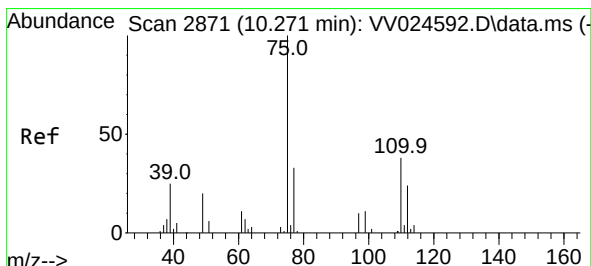
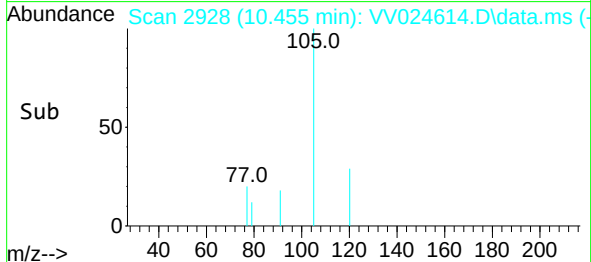
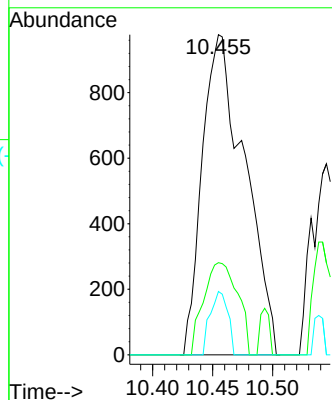
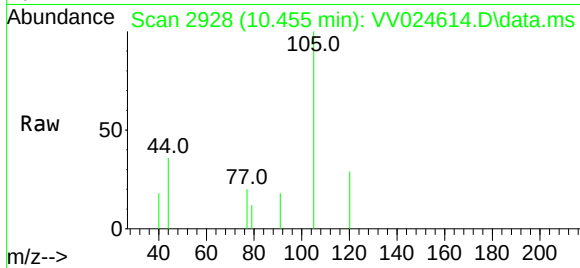




#60
Isopropylbenzene
Concen: 0.045 ug/L
RT: 10.455 min Scan# 2409
Delta R.T. 0.527 min
Lab File: VV024614.D
Acq: 11 Feb 2022 19:18

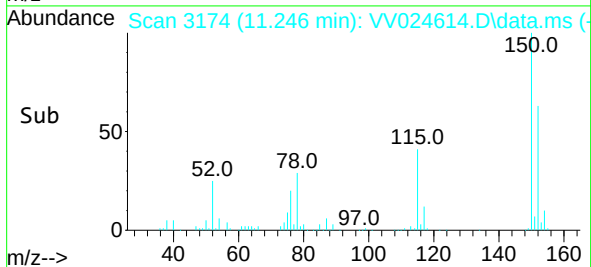
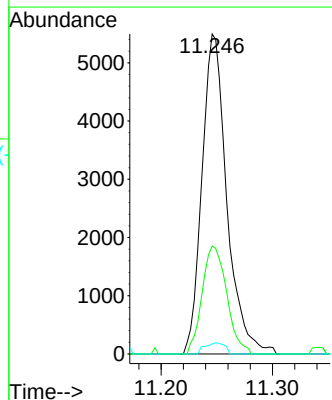
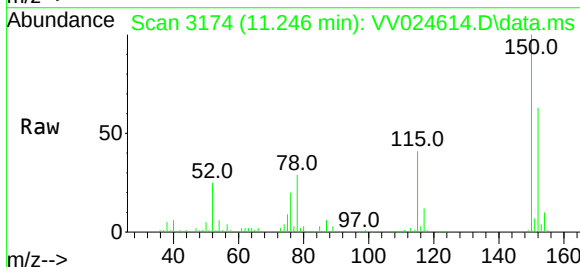
Instrument :
MSVOA_V
ClientSampleId :

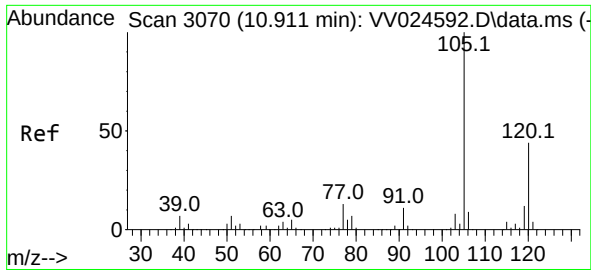
Tgt Ion:105 Resp: 2409
Ion Ratio Lower Upper
105 100
120 23.0 21.4 32.0
77 8.2 12.2 18.4#



#61
1,2,3-Trichloropropane
Concen: 1.458 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV024614.D
Acq: 11 Feb 2022 19:18

Tgt Ion: 75 Resp: 8525
Ion Ratio Lower Upper
75 100
77 33.3 26.4 39.6
110 2.8 34.2 51.2#





#63

1,2,4-Trimethylbenzene

Concen: 0.068 ug/L

RT: 10.918 min Scan# 30

Delta R.T. 0.007 min

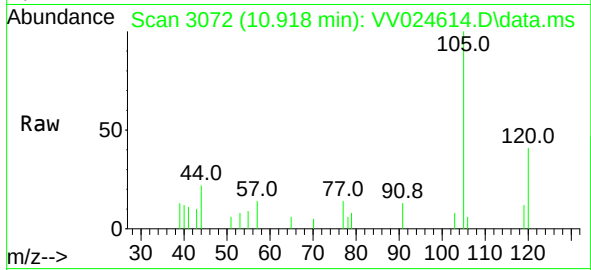
Lab File: VV024614.D

Acq: 11 Feb 2022 19:18

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:105 Resp: 3129

Ion Ratio Lower Upper

105 100

120 41.5 36.7 55.1

