

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100923\
 Data File : VW032354.D
 Acq On : 10 Oct 2023 01:53
 Operator : SY/MD
 Sample : 04774-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 10 06:02:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 10 05:42:01 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	92548	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	93567	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	41714	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	38924	5.171	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 103.400%		
7) Chloroethane-d5	1.532	69	30970	5.069	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 101.400%		
11) 1,1-Dichloroethene-d2	2.063	65	14951	4.710	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 94.200%		
20) 2-Butanone-d5	3.793	46	98507	51.736	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	= 103.480%		
24) Chloroform-d	4.252	84	60202	4.534	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 90.600%		
26) 1,2-Dichloroethane-d4	4.947	65	31077	4.941	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 98.800%		
32) Benzene-d6	4.963	84	121429	4.411	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 88.200%		
36) 1,2-Dichloropropane-d6	5.992	67	38364	4.206	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 84.200%		
41) Toluene-d8	7.246	98	110304	4.381	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 87.600%		
43) trans-1,3-Dichloroprop...	7.561	79	14121	4.369	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 87.400%		
46) 2-Hexanone-d5	8.030	63	84083	55.286	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 110.580%		
56) 1,1,2,2-Tetrachloroeth...	10.156	84	33230	5.208	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 104.200%		
66) 1,2-Dichlorobenzene-d4	11.564	152	36190	4.675	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 93.600%		
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.282	62	802	0.081	ug/L #	1
12) 1,1-Dichloroethene	2.072	96	2217	0.327	ug/L #	1
13) Acetone	2.121	43	3744	2.551	ug/L	81
15) Methyl Acetate	2.474	43	13346	4.040	ug/L #	53
18) trans-1,2-Dichloroethene	2.696	96	387940	49.899	ug/L	98
19) 1,1-Dichloroethane	3.117	63	6339	0.433	ug/L	97
22) cis-1,2-Dichloroethene	3.815	96	1705606	203.750	ug/L	96
30) Cyclohexane	4.584	56	5663	0.405	ug/L #	28
31) Carbon tetrachloride	4.735	117	2260	0.210	ug/L	98
33) Benzene	5.024	78	12796	0.388	ug/L	100
34) Trichloroethene	5.834	95	95165	10.582	ug/L	98
35) Methylcyclohexane	6.053	83	9648	0.693	ug/L	91
37) 1,2-Dichloropropane	6.050	63	612	0.069	ug/L #	87
42) Toluene	7.323	91	31702	0.903	ug/L	99
52) Ethylbenzene	8.956	91	10503	0.269	ug/L	98
53) m,p-Xylene	9.079	106	7626	0.526	ug/L	92
54) o-Xylene	9.487	106	3127	0.224	ug/L	85
61) 1,2,3-Trichloropropane	11.191	75	5429	1.223	ug/L #	66
63) 1,2,4-Trimethylbenzene	10.857	105	7783	0.296	ug/L	94

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Oct 10 05:42:01 2023
Response via : Initial Calibration

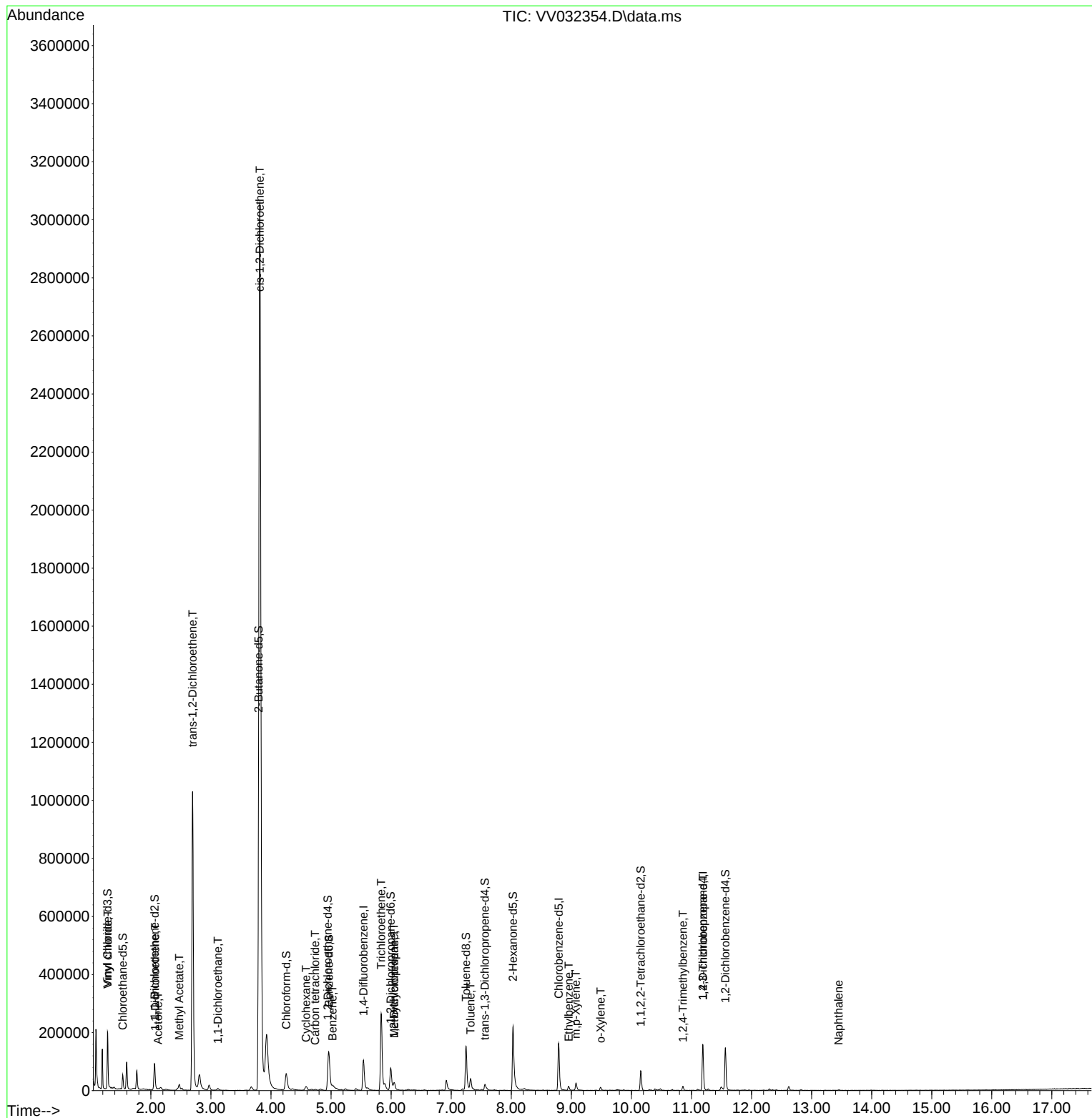
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	13.451	128	1724	0.101	ug/L	97

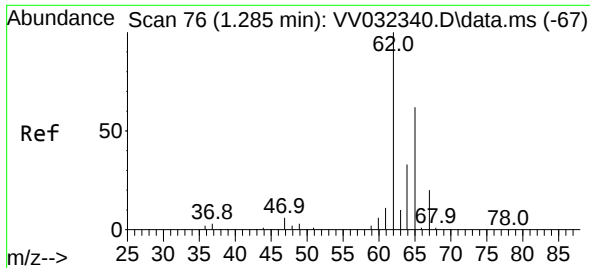
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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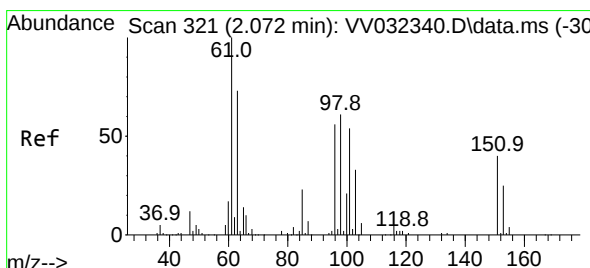
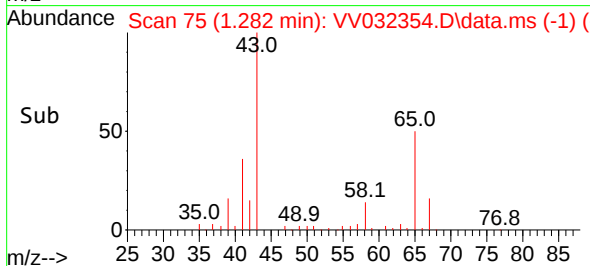
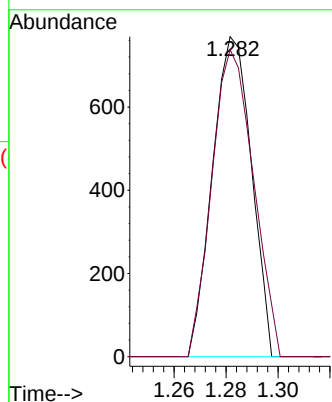
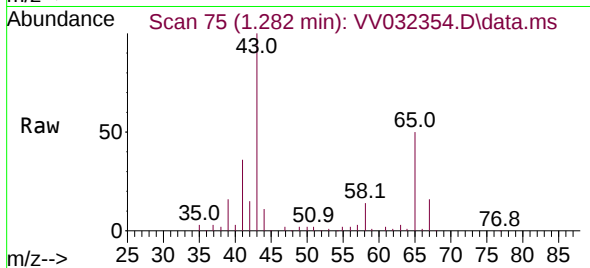




#5
 Vinyl chloride
 Concen: 0.081 ug/L
 RT: 1.282 min Scan# 76
 Delta R.T. -0.003 min
 Lab File: VV032354.D
 Acq: 10 Oct 2023 01:53

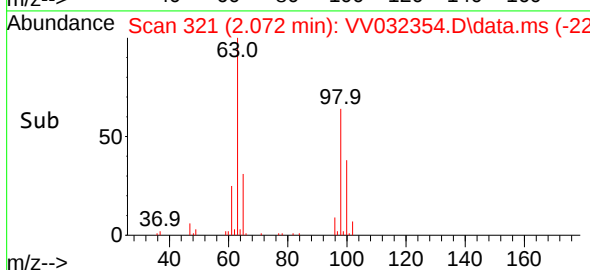
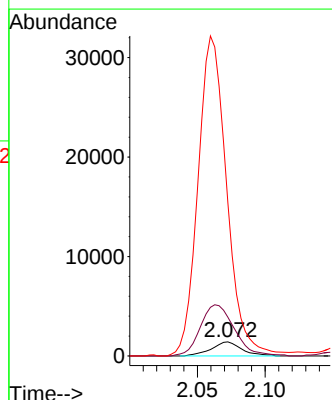
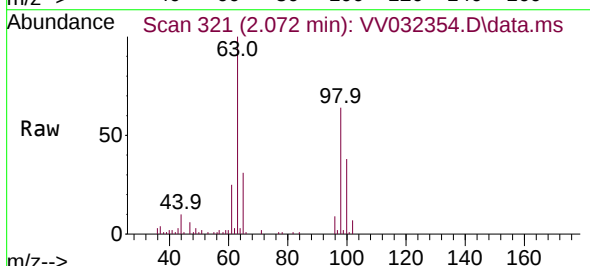
Instrument :
 MSVOA_V
 ClientSampleId :

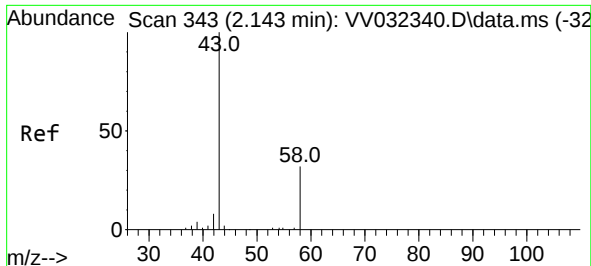
Tgt Ion: 62 Resp: 802
 Ion Ratio Lower Upper
 62 100
 64 96.0 23.1 42.9#



#12
 1,1-Dichloroethene
 Concen: 0.327 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV032354.D
 Acq: 10 Oct 2023 01:53

Tgt Ion: 96 Resp: 2217
 Ion Ratio Lower Upper
 96 100
 61 274.9 127.3 236.3#
 63 1088.8 98.3 182.7#





#13

Acetone

Concen: 2.551 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.022 min

Lab File: VV032354.D

Acq: 10 Oct 2023 01:53

Instrument :

MSVOA_V

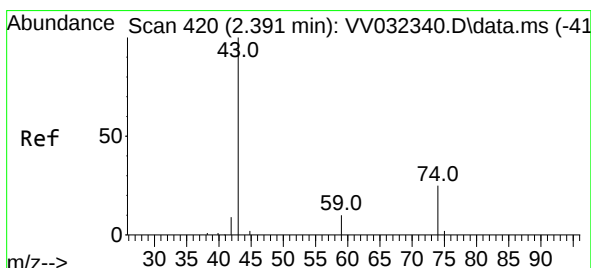
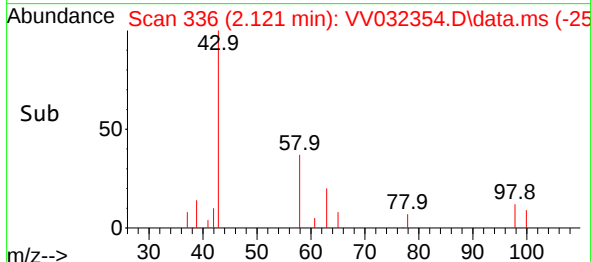
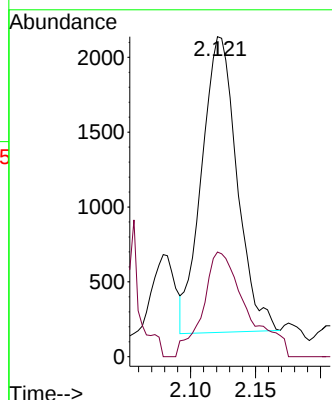
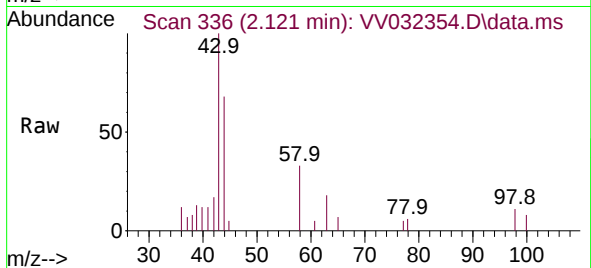
ClientSampleId :

Tgt Ion: 43 Resp: 3744

Ion Ratio Lower Upper

43 100

58 43.5 0.0 66.0



#15

Methyl Acetate

Concen: 4.040 ug/L

RT: 2.474 min Scan# 446

Delta R.T. 0.084 min

Lab File: VV032354.D

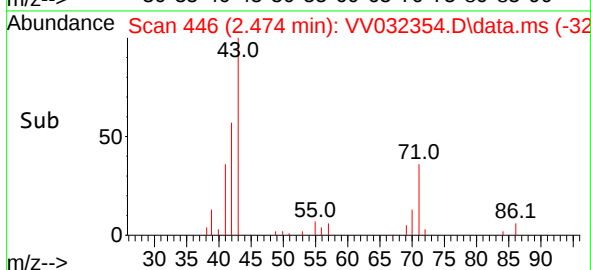
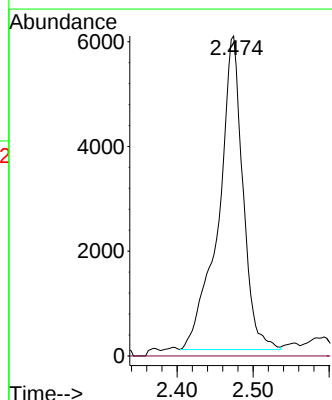
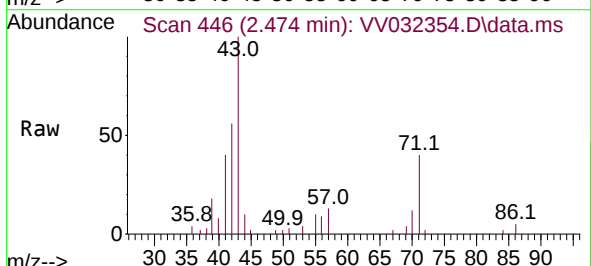
Acq: 10 Oct 2023 01:53

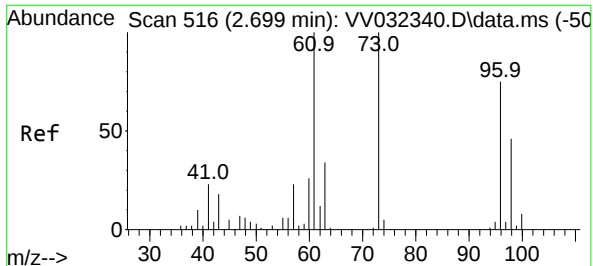
Tgt Ion: 43 Resp: 13346

Ion Ratio Lower Upper

43 100

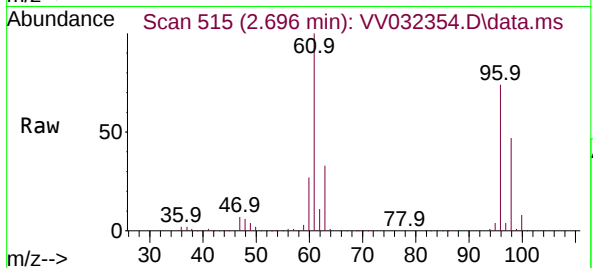
74 0.0 18.0 27.0#





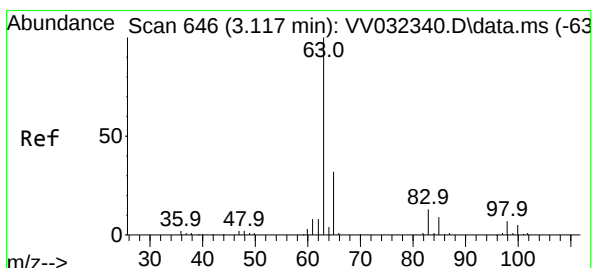
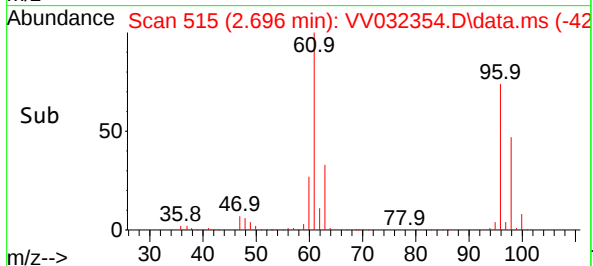
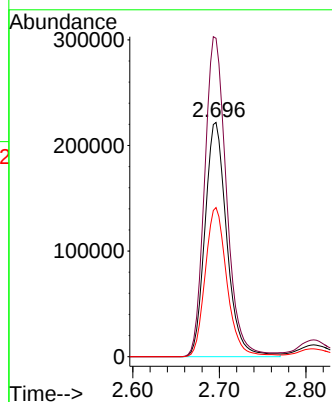
#18
trans-1,2-Dichloroethene
Concen: 49.899 ug/L
RT: 2.696 min Scan# 516
Delta R.T. -0.003 min
Lab File: VV032354.D
Acq: 10 Oct 2023 01:53

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 387940

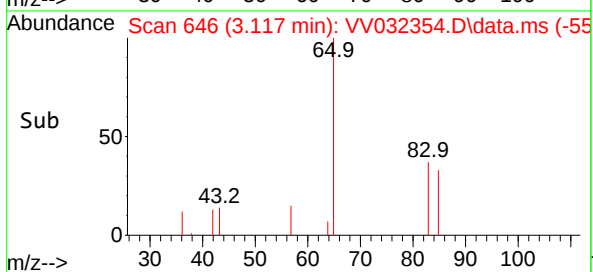
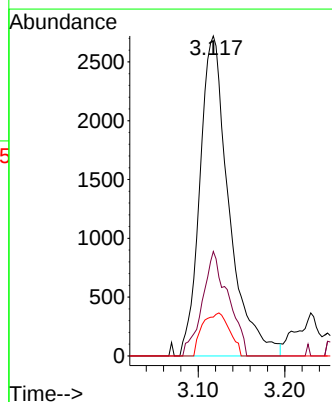
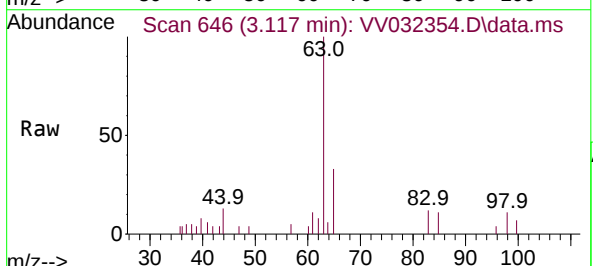
Ion	Ratio	Lower	Upper
96	100		
61	135.9	96.9	180.1
98	63.7	45.3	84.1

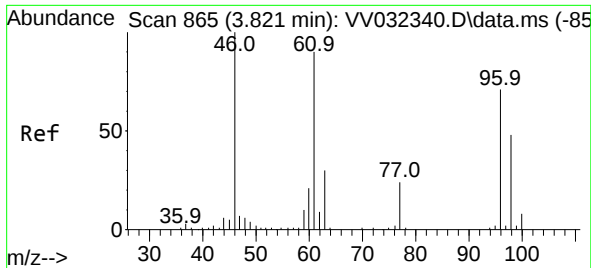


#19
1,1-Dichloroethane
Concen: 0.433 ug/L
RT: 3.117 min Scan# 646
Delta R.T. 0.000 min
Lab File: VV032354.D
Acq: 10 Oct 2023 01:53

Tgt Ion: 63 Resp: 6339

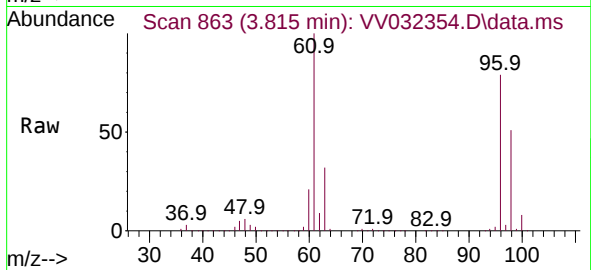
Ion	Ratio	Lower	Upper
63	100		
65	30.7	22.3	41.5
83	11.4	9.0	16.6





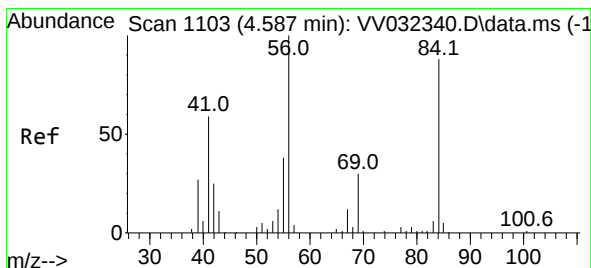
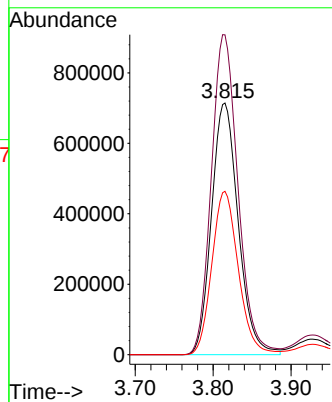
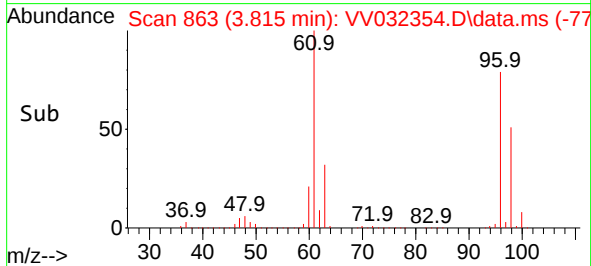
#22
 cis-1,2-Dichloroethene
 Concen: 203.750 ug/L
 RT: 3.815 min Scan# 863
 Delta R.T. -0.006 min
 Lab File: VV032354.D
 Acq: 10 Oct 2023 01:53

Instrument :
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 ClientSampleId :

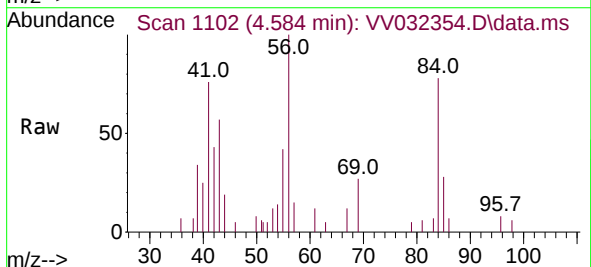


Tgt Ion: 96 Resp: 1705606

Ion	Ratio	Lower	Upper
96	100		
61	127.1	85.8	159.4
98	64.9	44.0	81.6

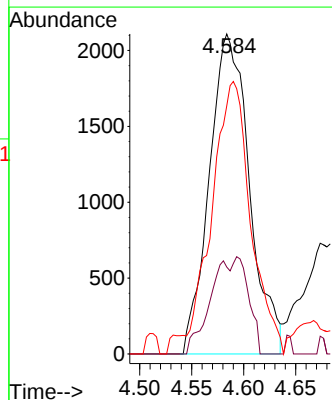
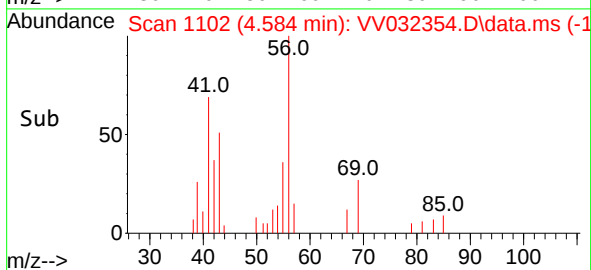


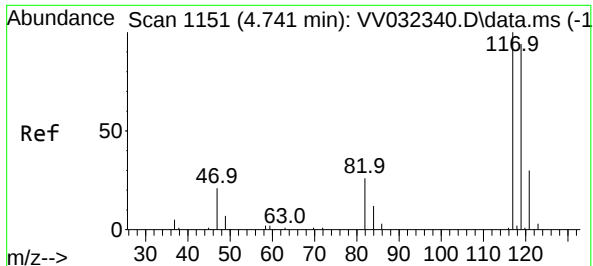
#30
 Cyclohexane
 Concen: 0.405 ug/L
 RT: 4.584 min Scan# 1102
 Delta R.T. -0.003 min
 Lab File: VV032354.D
 Acq: 10 Oct 2023 01:53



Tgt Ion: 56 Resp: 5663

Ion	Ratio	Lower	Upper
56	100		
69	15.7	24.2	36.2#
84	4.1	68.1	102.1#

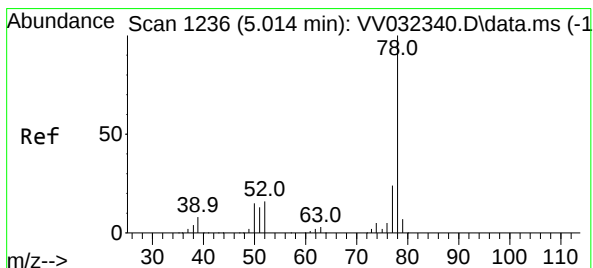
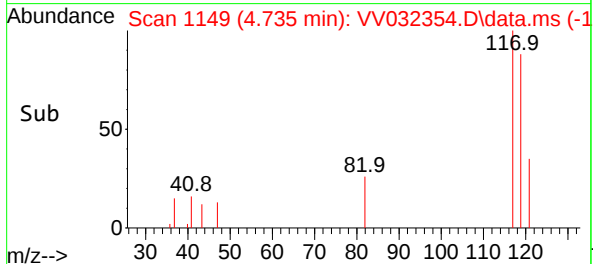
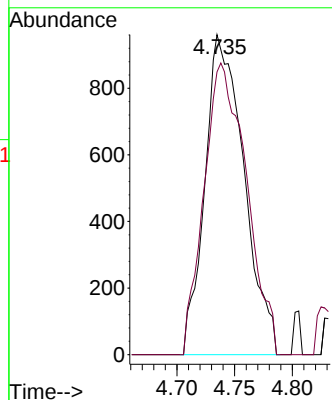
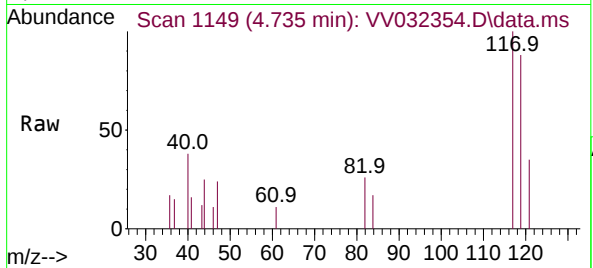




#31
Carbon tetrachloride
Concen: 0.210 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.006 min
Lab File: VV032354.D
Acq: 10 Oct 2023 01:53

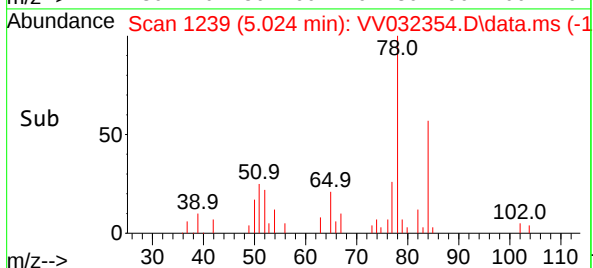
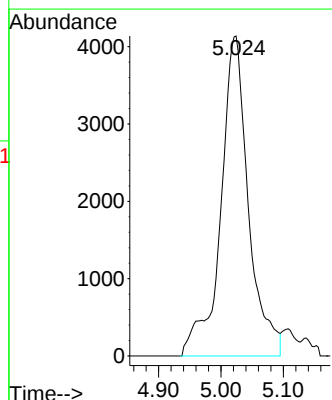
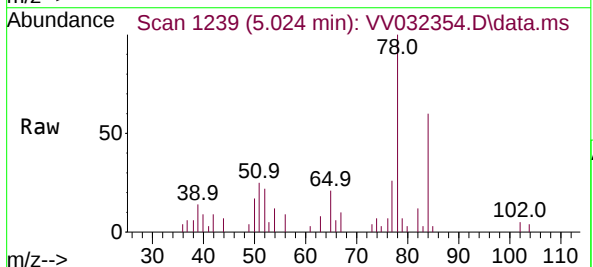
Instrument :
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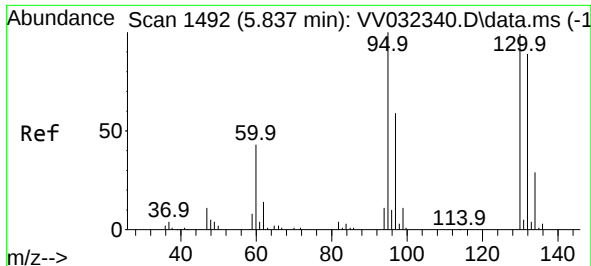
Tgt Ion:117 Resp: 2260
Ion Ratio Lower Upper
117 100
119 99.0 77.6 116.4



#33
Benzene
Concen: 0.388 ug/L
RT: 5.024 min Scan# 1239
Delta R.T. 0.010 min
Lab File: VV032354.D
Acq: 10 Oct 2023 01:53

Tgt Ion: 78 Resp: 12796

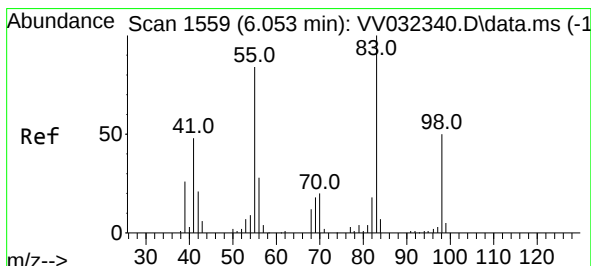
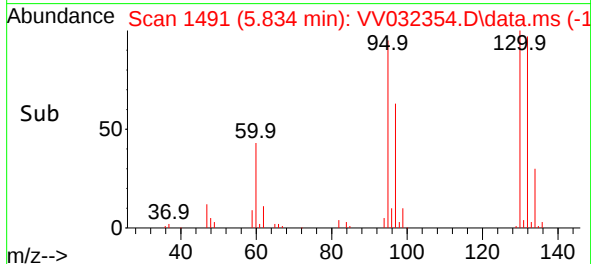
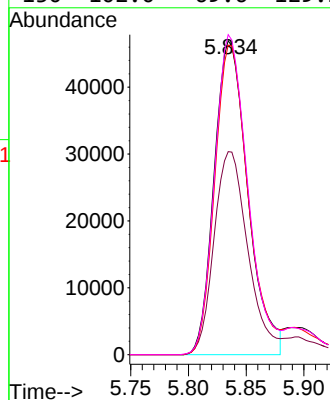
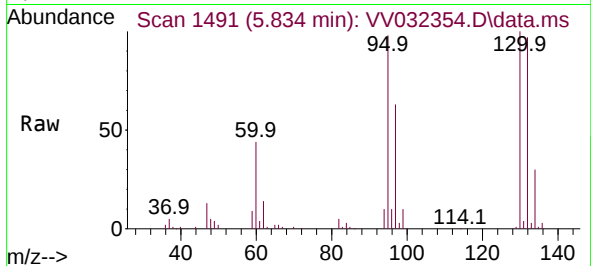




#34
Trichloroethene
Concen: 10.582 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. -0.003 min
Lab File: VV032354.D
Acq: 10 Oct 2023 01:53

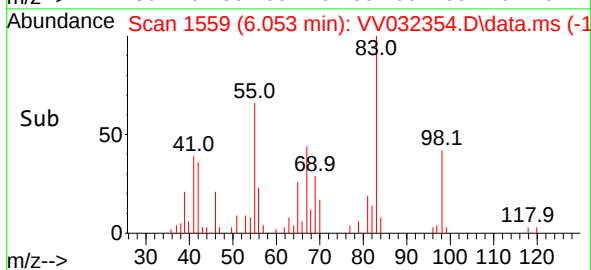
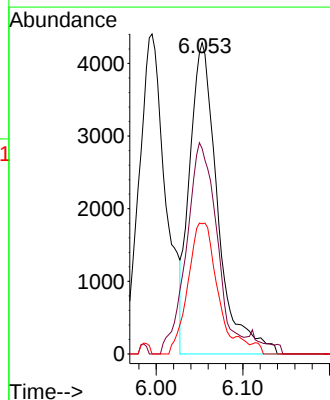
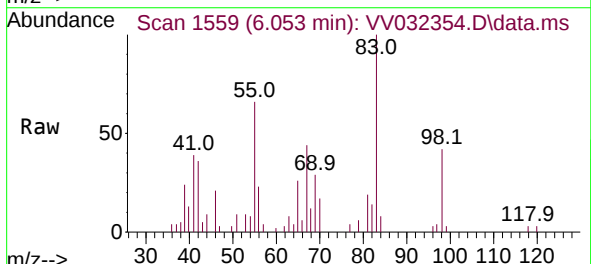
Instrument :
MSVOA_V
ClientSampleId :

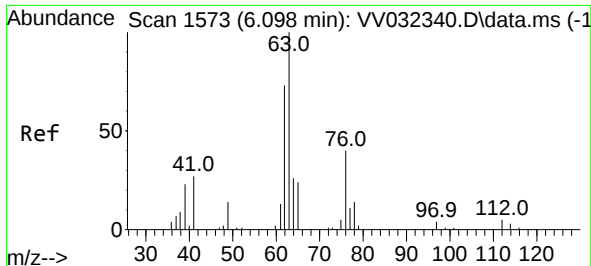
Tgt Ion: 95 Resp: 95165
Ion Ratio Lower Upper
95 100
97 64.7 45.7 84.9
132 98.6 70.3 130.5
130 102.0 69.6 129.2



#35
Methylcyclohexane
Concen: 0.693 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.000 min
Lab File: VV032354.D
Acq: 10 Oct 2023 01:53

Tgt Ion: 83 Resp: 9648
Ion Ratio Lower Upper
83 100
55 73.5 64.2 96.2
98 42.4 39.6 59.4





#37

1,2-Dichloropropane

Concen: 0.069 ug/L

RT: 6.050 min Scan# 11

Delta R.T. -0.048 min

Lab File: VV032354.D

Acq: 10 Oct 2023 01:53

Instrument :

MSVOA_V

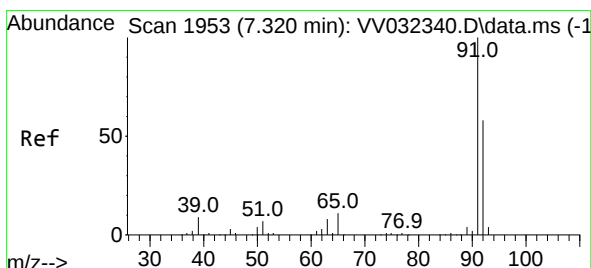
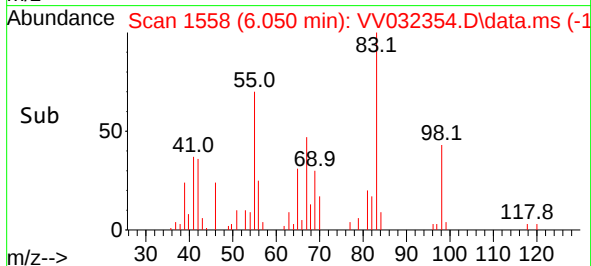
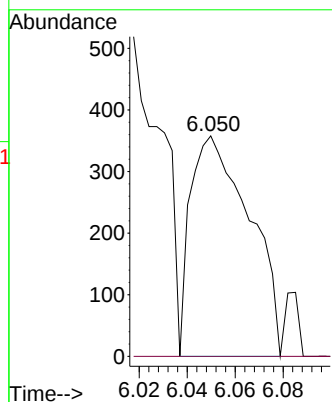
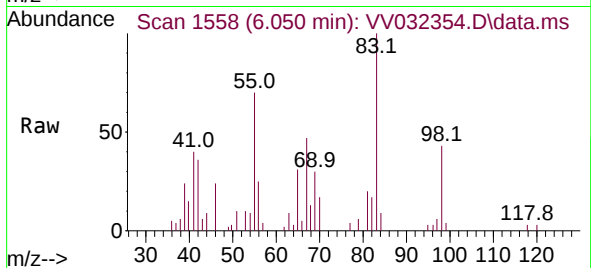
ClientSampleId :

Tgt Ion: 63 Resp: 612

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#42

Toluene

Concen: 0.903 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VV032354.D

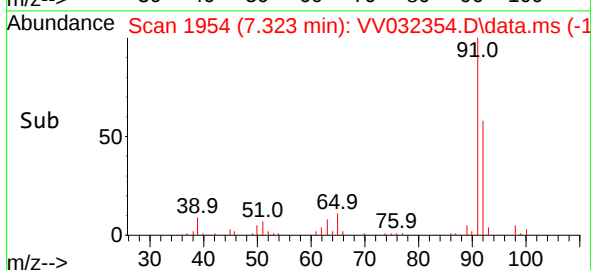
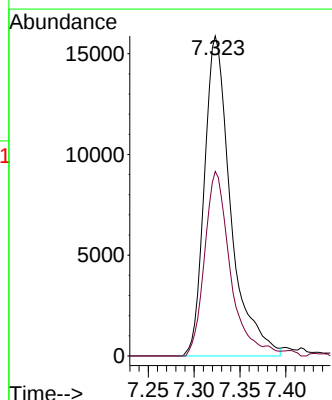
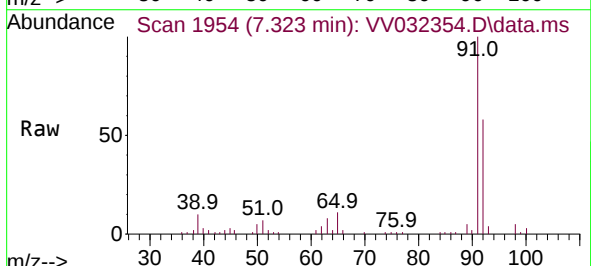
Acq: 10 Oct 2023 01:53

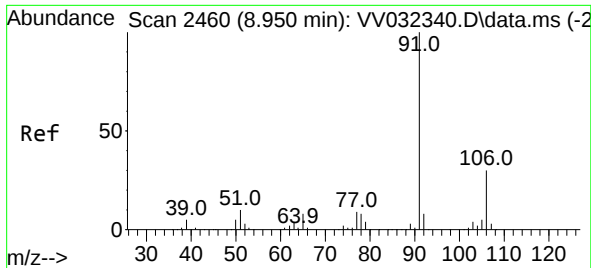
Tgt Ion: 91 Resp: 31702

Ion Ratio Lower Upper

91 100

92 57.6 40.8 75.8





#52

Ethylbenzene

Concen: 0.269 ug/L

RT: 8.956 min Scan# 2460

Delta R.T. 0.007 min

Lab File: VV032354.D

Acq: 10 Oct 2023 01:53

Instrument :

MSVOA_V

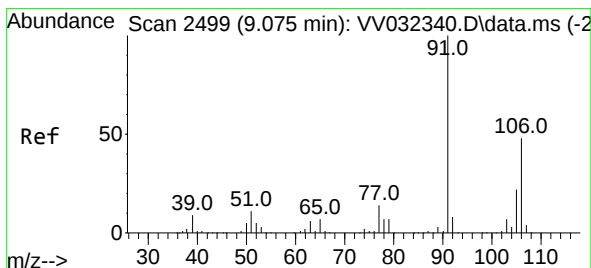
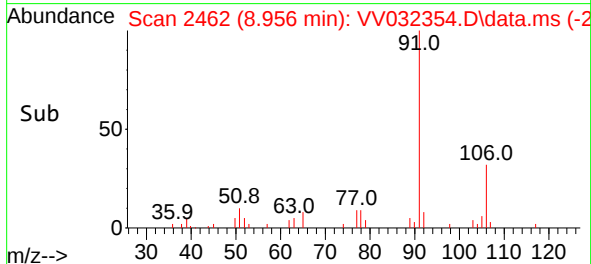
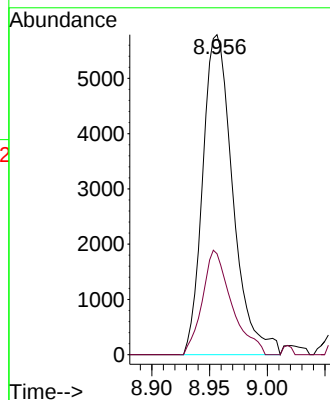
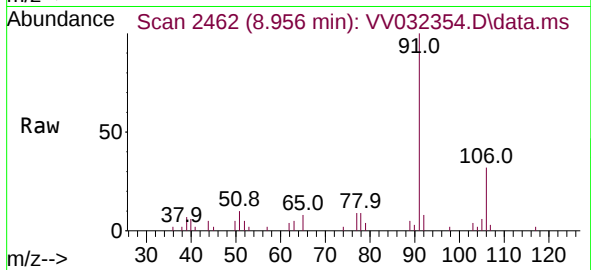
ClientSampleId :

Tgt Ion: 91 Resp: 10503

Ion Ratio Lower Upper

91 100

106 31.6 21.3 39.5



#53

m,p-Xylene

Concen: 0.526 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.003 min

Lab File: VV032354.D

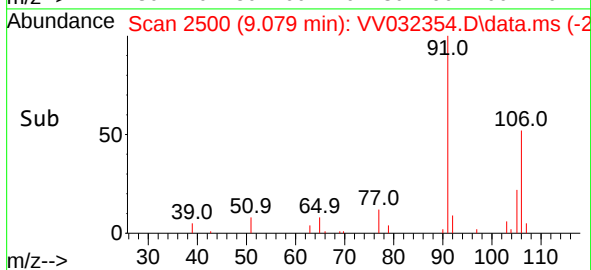
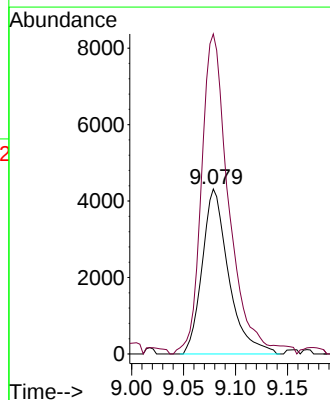
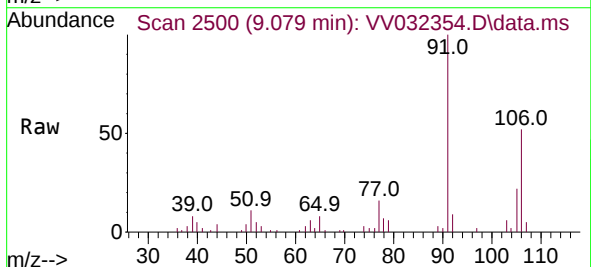
Acq: 10 Oct 2023 01:53

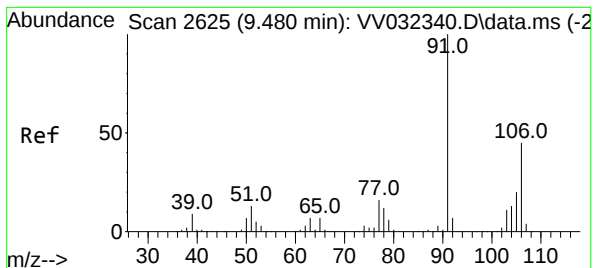
Tgt Ion: 106 Resp: 7626

Ion Ratio Lower Upper

106 100

91 194.0 144.5 268.3





#54

o-Xylene

Concen: 0.224 ug/L

RT: 9.487 min Scan# 2

Delta R.T. 0.007 min

Lab File: VV032354.D

Acq: 10 Oct 2023 01:53

Instrument :

MSVOA_V

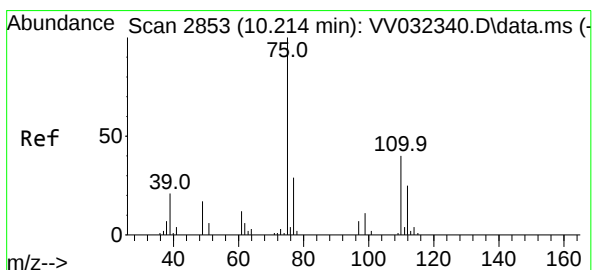
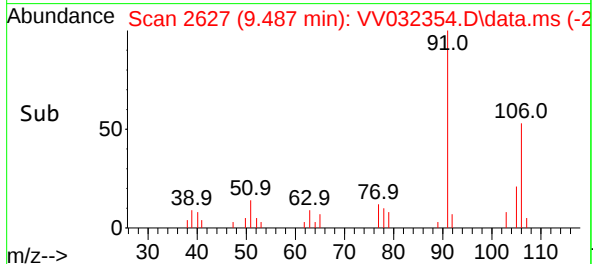
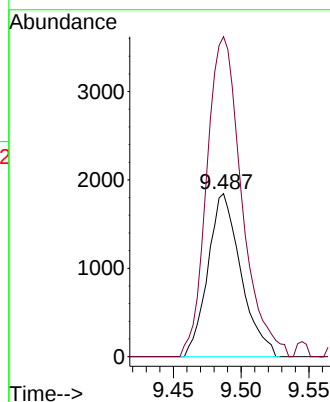
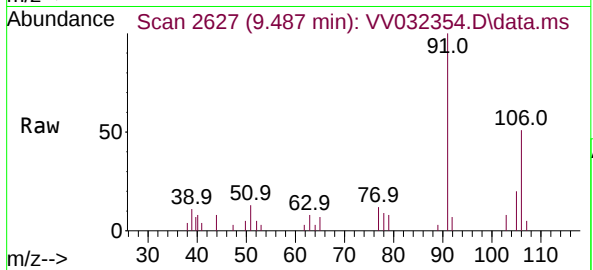
ClientSampleId :

Tgt Ion:106 Resp: 3127

Ion Ratio Lower Upper

106 100

91 196.3 154.8 287.4



#61

1,2,3-Trichloropropane

Concen: 1.223 ug/L

RT: 11.191 min Scan# 3157

Delta R.T. 0.978 min

Lab File: VV032354.D

Acq: 10 Oct 2023 01:53

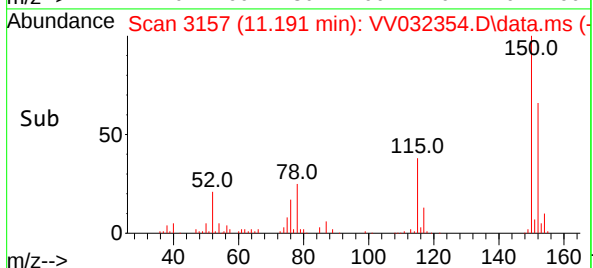
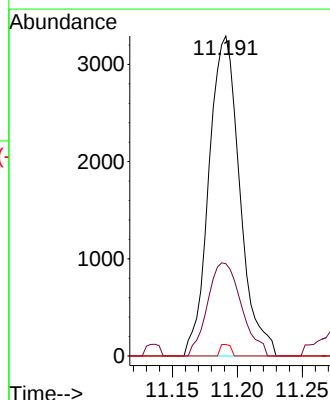
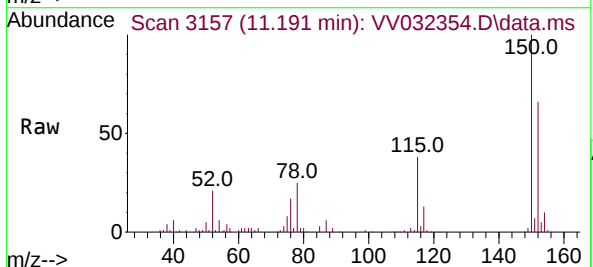
Tgt Ion: 75 Resp: 5429

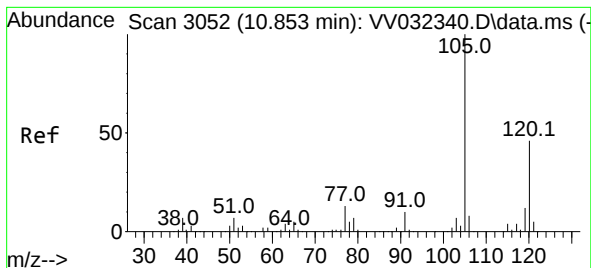
Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2

110 1.2 30.6 46.0#





#63

1,2,4-Trimethylbenzene

Concen: 0.296 ug/L

RT: 10.857 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV032354.D

Acq: 10 Oct 2023 01:53

Instrument :

MSVOA_V

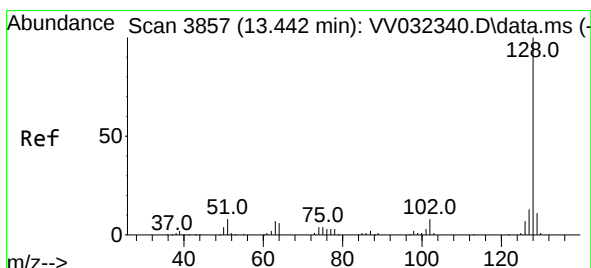
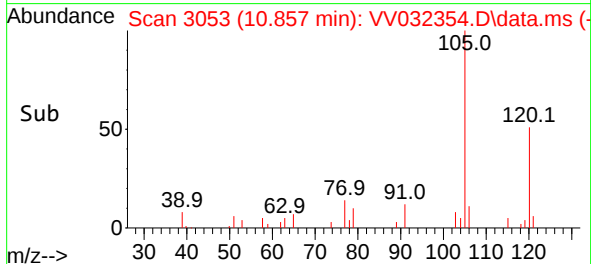
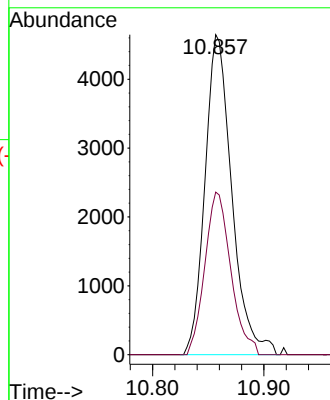
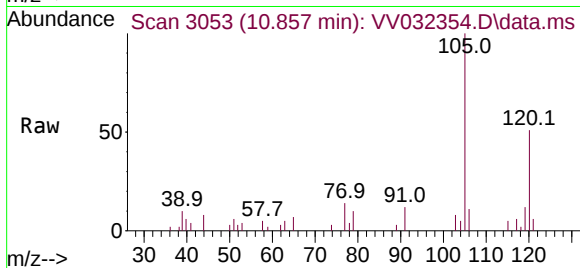
ClientSampleId :

Tgt Ion:105 Resp: 7783

Ion Ratio Lower Upper

105 100

120 49.2 36.2 54.4



#71

Naphthalene

Concen: 0.101 ug/L

RT: 13.451 min Scan# 3860

Delta R.T. 0.010 min

Lab File: VV032354.D

Acq: 10 Oct 2023 01:53

Tgt Ion:128 Resp: 1724

Ion Ratio Lower Upper

128 100

129 10.2 9.0 13.4

127 11.1 10.2 15.2

