

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100923\
 Data File : VW032356.D
 Acq On : 10 Oct 2023 02:41
 Operator : SY/MD
 Sample : 04774-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 10 06:02:53 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	5.538	114	90133	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	89201	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	36531	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	40344	5.504	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.000%
7) Chloroethane-d5	1.532	69	31603	5.311	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.200%
11) 1,1-Dichloroethene-d2	2.059	65	14702	4.756	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.200%
20) 2-Butanone-d5	3.802	46	95234	51.357	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.720%
24) Chloroform-d	4.252	84	64954	5.023	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
26) 1,2-Dichloroethane-d4	4.947	65	32223	5.261	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.200%
32) Benzene-d6	4.963	84	120994	4.610	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
36) 1,2-Dichloropropane-d6	5.995	67	38751	4.456	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.200%
41) Toluene-d8	7.246	98	103922	4.330	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
43) trans-1,3-Dichloroprop...	7.561	79	14296	4.639	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.800%
46) 2-Hexanone-d5	8.030	63	85204	58.765	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.540%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	32707	5.377	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.600%
66) 1,2-Dichlorobenzene-d4	11.564	152	32203	4.750	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.000%
Target Compounds						
					Qvalue	
13) Acetone	2.130	43	6062	4.241	ug/L	96
14) Carbon disulfide	2.243	76	3646	0.158	ug/L #	88
15) Methyl Acetate	2.442	43	1874	0.582	ug/L #	53
18) trans-1,2-Dichloroethene	2.709	96	984	0.130	ug/L	84
22) cis-1,2-Dichloroethene	3.825	96	2180	0.267	ug/L	78
25) Chloroform	4.281	83	70319	5.032	ug/L	99
29) 1,1,1-Trichloroethane	4.522	97	1991	0.164	ug/L #	76
30) Cyclohexane	4.587	56	5822	0.437	ug/L	100
31) Carbon tetrachloride	4.738	117	259941	25.331	ug/L	99
33) Benzene	5.021	78	13715	0.437	ug/L	100
34) Trichloroethene	5.837	95	32670	3.811	ug/L	97
35) Methylcyclohexane	6.053	83	6965	0.525	ug/L	99
37) 1,2-Dichloropropane	5.998	63	4370	0.520	ug/L #	87
39) cis-1,3-Dichloropropene	6.924	75	897	0.075	ug/L #	77
42) Toluene	7.323	91	38625	1.154	ug/L	98
52) Ethylbenzene	8.956	91	9912	0.266	ug/L	95
53) m,p-Xylene	9.079	106	6587	0.476	ug/L	92
54) o-Xylene	9.487	106	2761	0.207	ug/L	92
61) 1,2,3-Trichloropropane	11.188	75	4472	1.150	ug/L #	62

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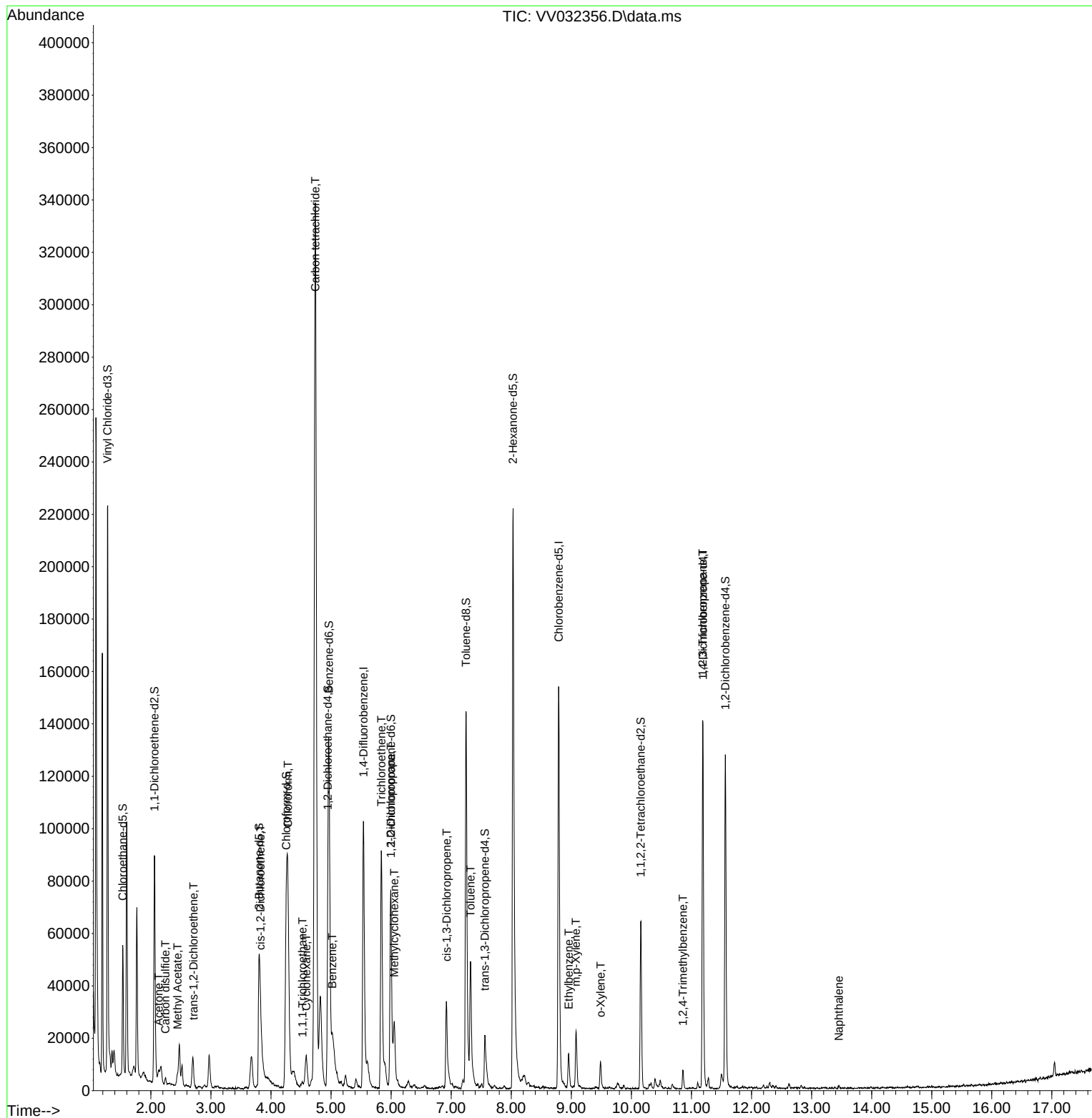
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.860	105	4171	0.181	ug/L	96
71) Naphthalene	13.455	128	1270	0.085	ug/L #	71

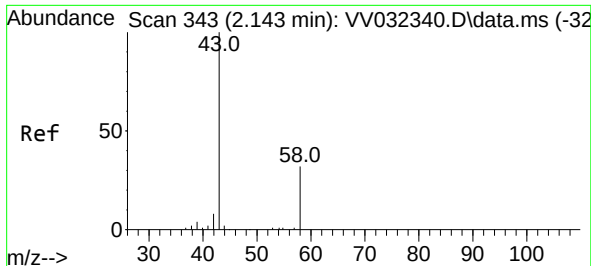
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.241 ug/L

RT: 2.130 min Scan# 31

Delta R.T. -0.013 min

Lab File: VV032356.D

Acq: 10 Oct 2023 02:41

Instrument :

MSVOA_V

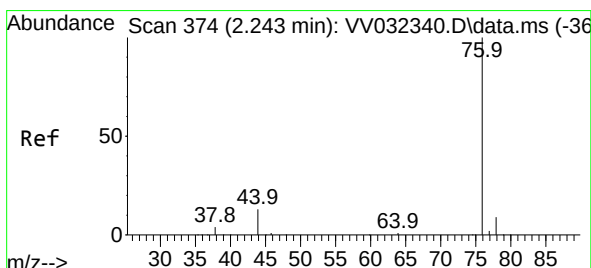
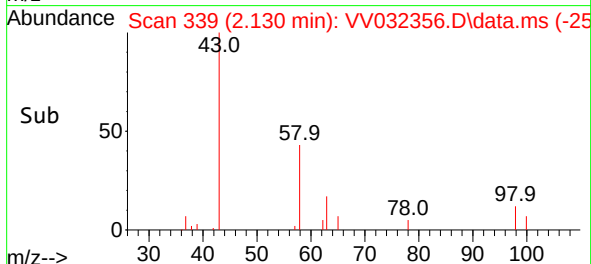
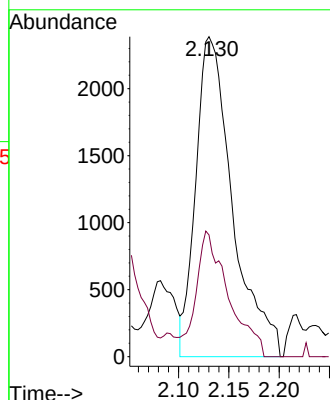
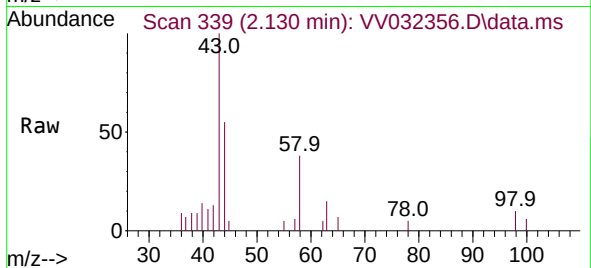
ClientSampleId :

Tgt Ion: 43 Resp: 6062

Ion Ratio Lower Upper

43 100

58 35.1 0.0 66.0



#14

Carbon disulfide

Concen: 0.158 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV032356.D

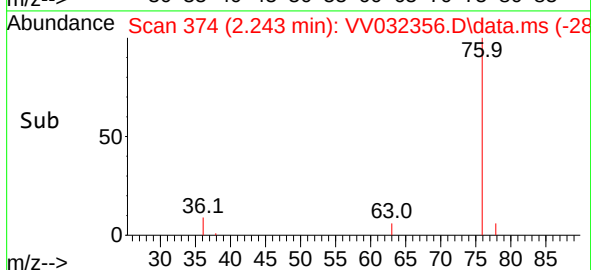
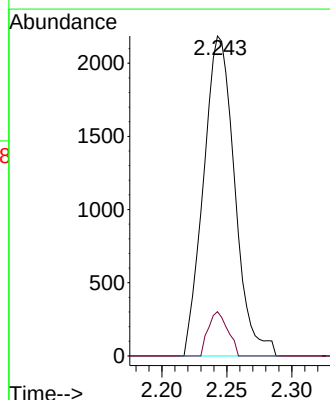
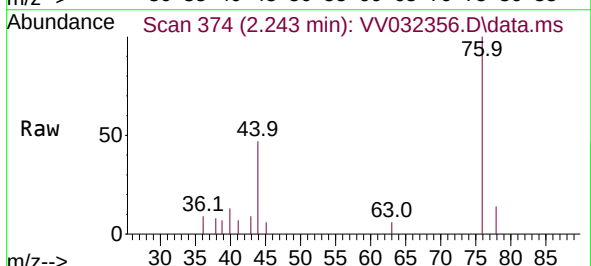
Acq: 10 Oct 2023 02:41

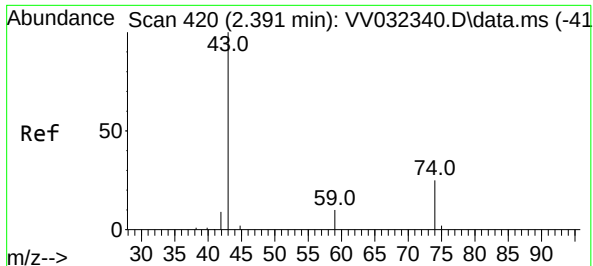
Tgt Ion: 76 Resp: 3646

Ion Ratio Lower Upper

76 100

78 13.8 7.4 11.2#

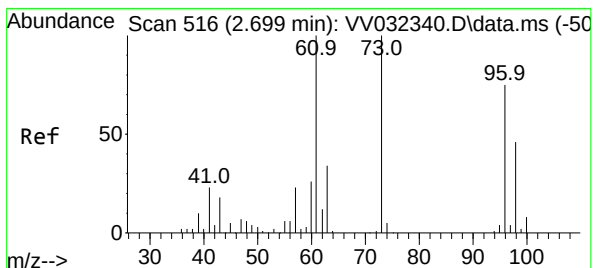
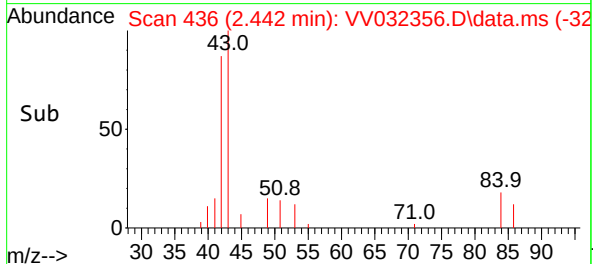
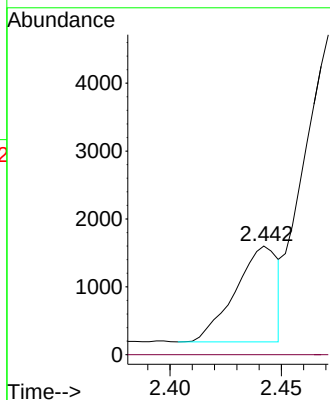
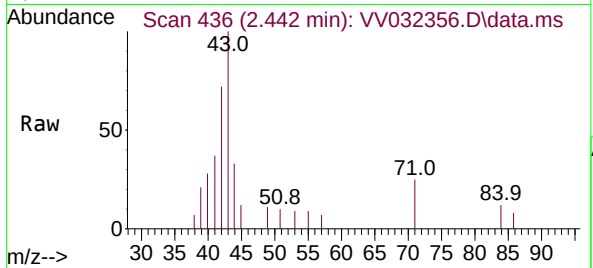




#15
Methyl Acetate
Concen: 0.582 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.051 min
Lab File: VV032356.D
Acq: 10 Oct 2023 02:41

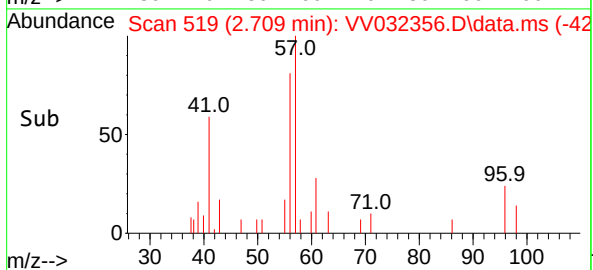
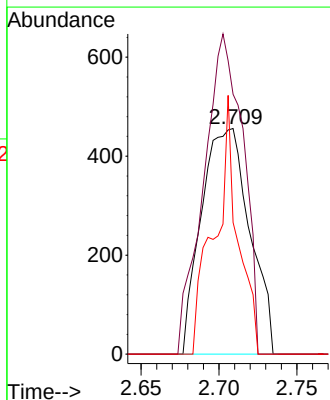
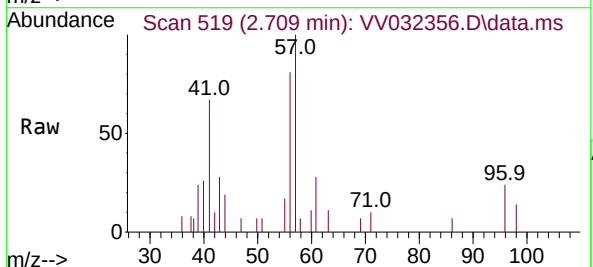
Instrument :
MSVOA_V
ClientSampleId :

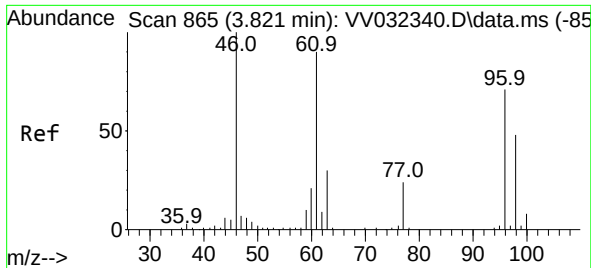
Tgt Ion: 43 Resp: 1874
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#18
trans-1,2-Dichloroethene
Concen: 0.130 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.010 min
Lab File: VV032356.D
Acq: 10 Oct 2023 02:41

Tgt Ion: 96 Resp: 984
Ion Ratio Lower Upper
96 100
61 115.1 96.9 180.1
98 58.3 45.3 84.1

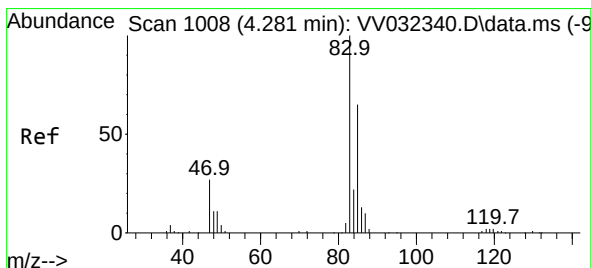
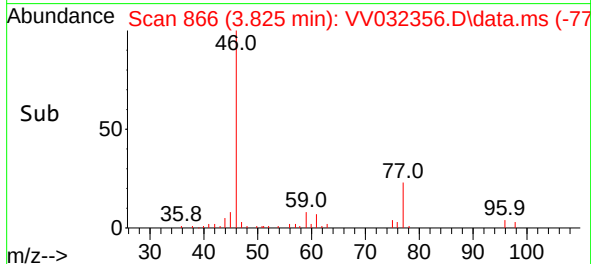
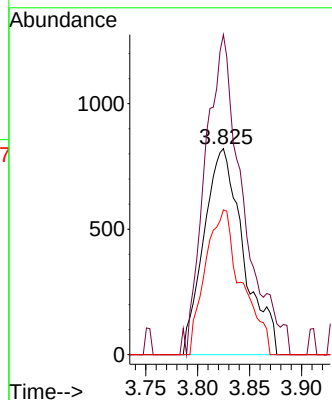
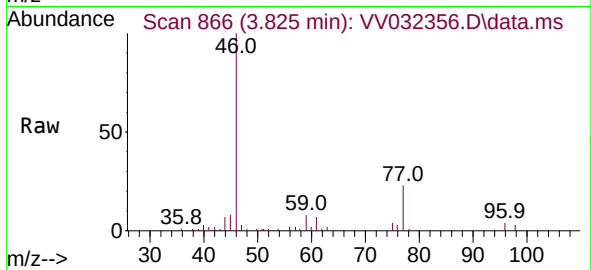




#22
cis-1,2-Dichloroethene
Concen: 0.267 ug/L
RT: 3.825 min Scan# 865
Delta R.T. 0.003 min
Lab File: VV032356.D
Acq: 10 Oct 2023 02:41

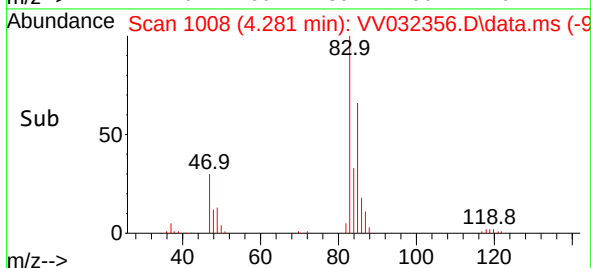
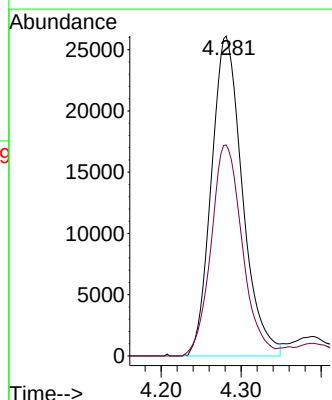
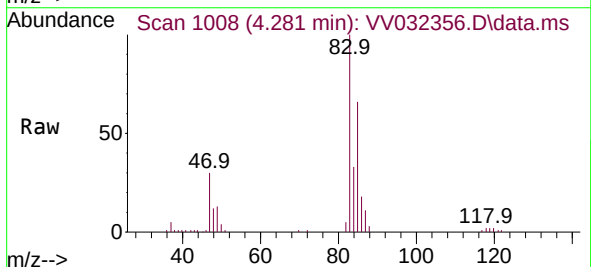
Instrument :
MSVOA_V
ClientSampleId :

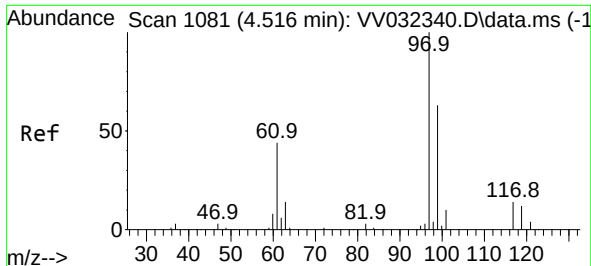
Tgt Ion: 96 Resp: 2180
Ion Ratio Lower Upper
96 100
61 155.3 85.8 159.4
98 70.3 44.0 81.6



#25
Chloroform
Concen: 5.032 ug/L
RT: 4.281 min Scan# 1008
Delta R.T. 0.000 min
Lab File: VV032356.D
Acq: 10 Oct 2023 02:41

Tgt Ion: 83 Resp: 70319
Ion Ratio Lower Upper
83 100
85 65.9 45.4 84.4





#29

1,1,1-Trichloroethane

Concen: 0.164 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. 0.006 min

Lab File: VV032356.D

Acq: 10 Oct 2023 02:41

Instrument :

MSVOA_V

ClientSampleId :

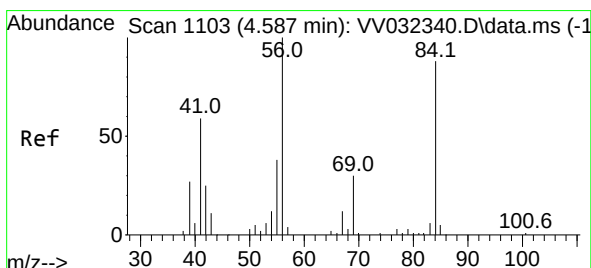
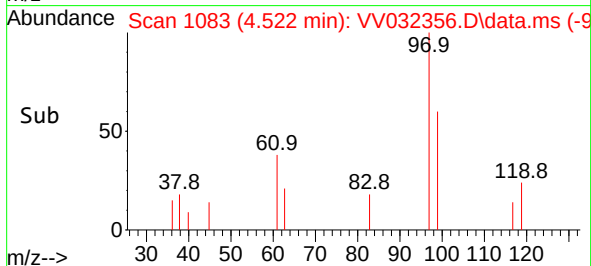
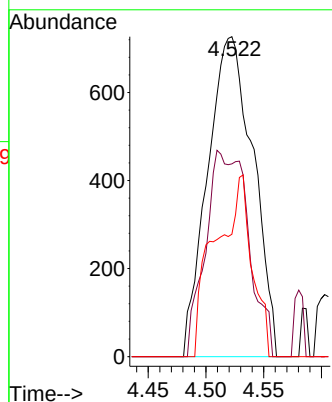
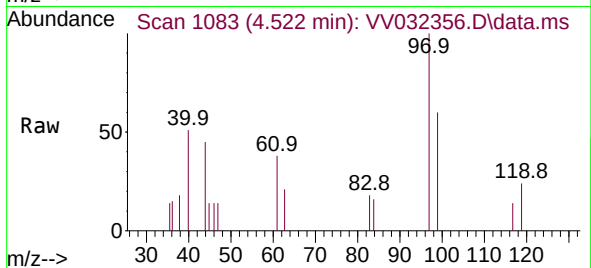
Tgt Ion: 97 Resp: 1991

Ion Ratio Lower Upper

97 100

99 32.7 50.1 75.1#

61 45.8 35.1 52.7



#30

Cyclohexane

Concen: 0.437 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV032356.D

Acq: 10 Oct 2023 02:41

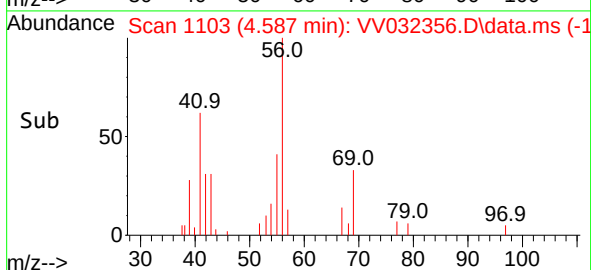
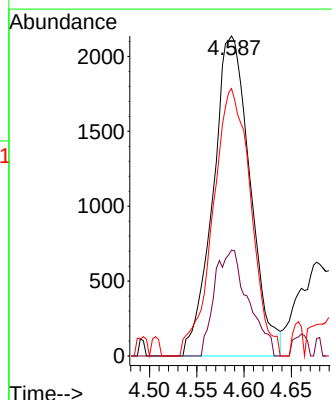
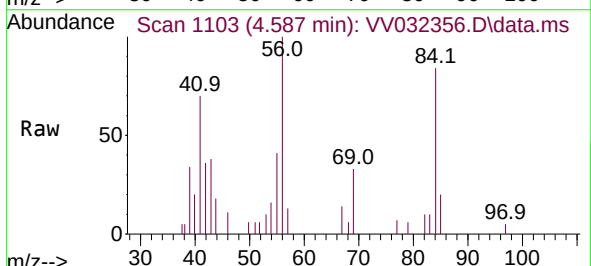
Tgt Ion: 56 Resp: 5822

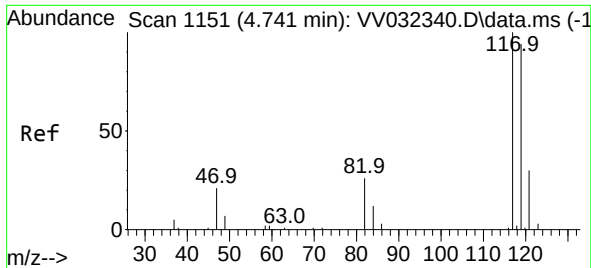
Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.2

84 85.2 68.1 102.1

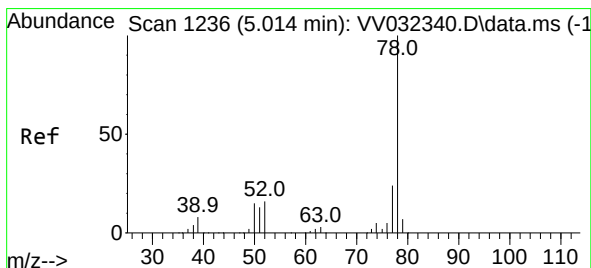
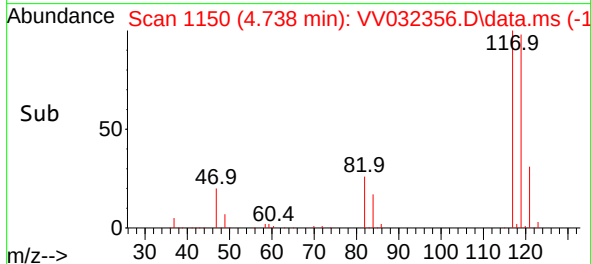
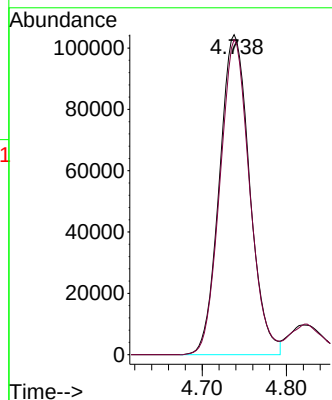
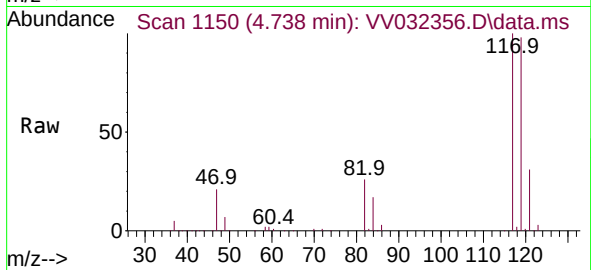




#31
Carbon tetrachloride
Concen: 25.331 ug/L
RT: 4.738 min Scan# 1151
Delta R.T. -0.003 min
Lab File: VV032356.D
Acq: 10 Oct 2023 02:41

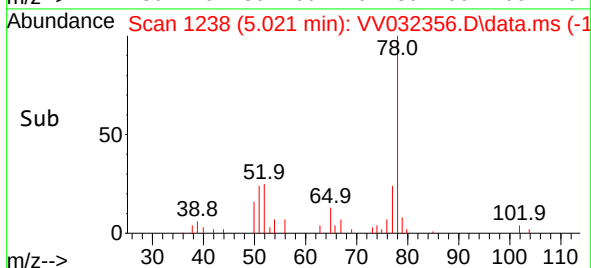
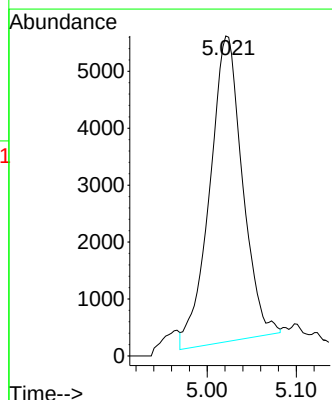
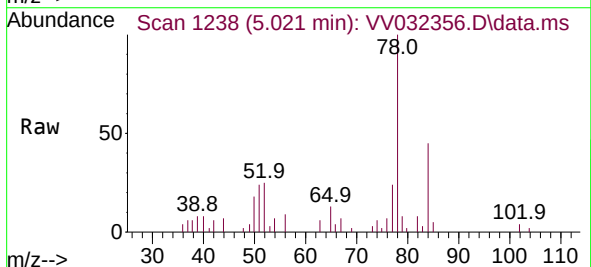
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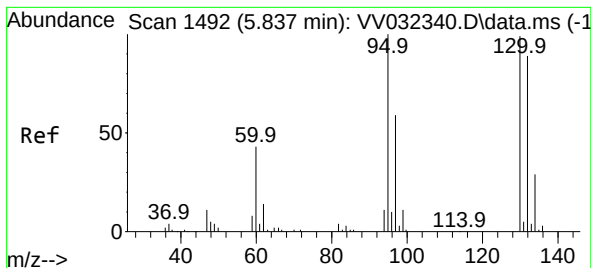
Tgt Ion:117 Resp: 259941
Ion Ratio Lower Upper
117 100
119 96.5 77.6 116.4



#33
Benzene
Concen: 0.437 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.006 min
Lab File: VV032356.D
Acq: 10 Oct 2023 02:41

Tgt Ion: 78 Resp: 13715





#34

Trichloroethene

Concen: 3.811 ug/L

RT: 5.837 min Scan# 1492

Delta R.T. 0.000 min

Lab File: VV032356.D

Acq: 10 Oct 2023 02:41

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 32670

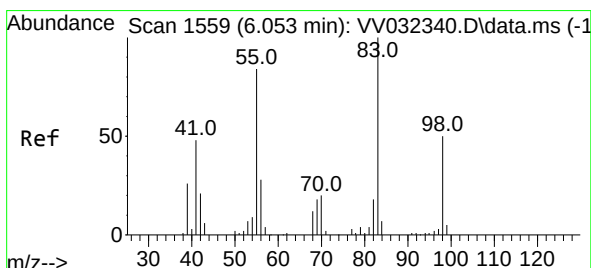
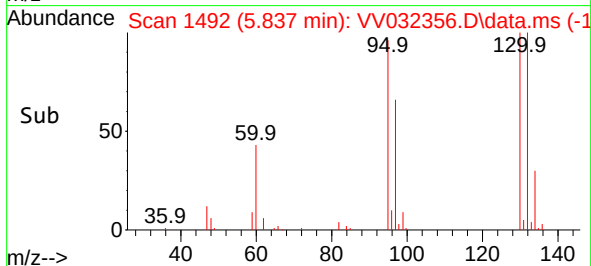
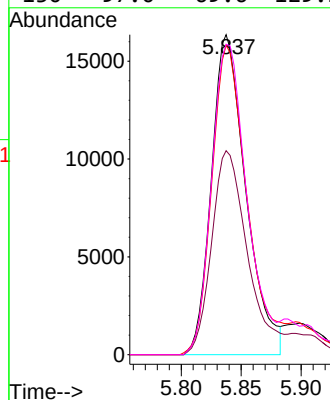
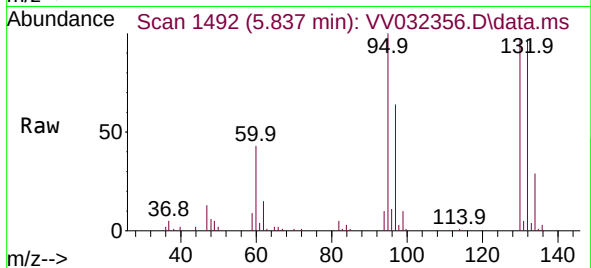
Ion Ratio Lower Upper

95 100

97 63.8 45.7 84.9

132 96.7 70.3 130.5

130 97.0 69.6 129.2



#35

Methylcyclohexane

Concen: 0.525 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV032356.D

Acq: 10 Oct 2023 02:41

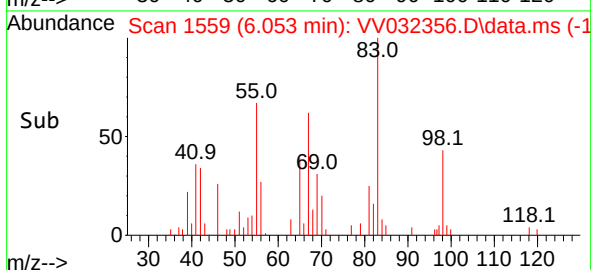
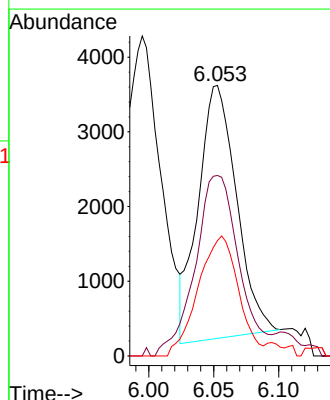
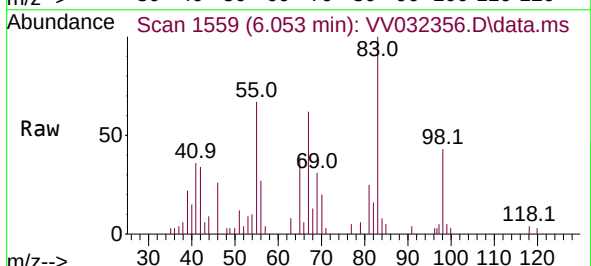
Tgt Ion: 83 Resp: 6965

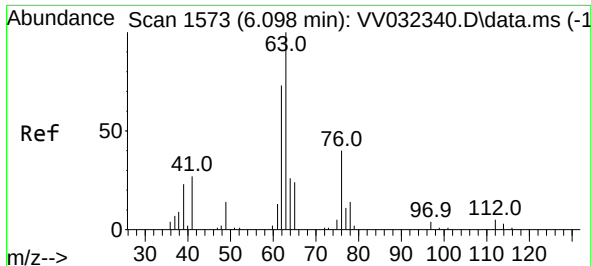
Ion Ratio Lower Upper

83 100

55 81.9 64.2 96.2

98 49.7 39.6 59.4





#37

1,2-Dichloropropane

Concen: 0.520 ug/L

RT: 5.998 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV032356.D

Acq: 10 Oct 2023 02:41

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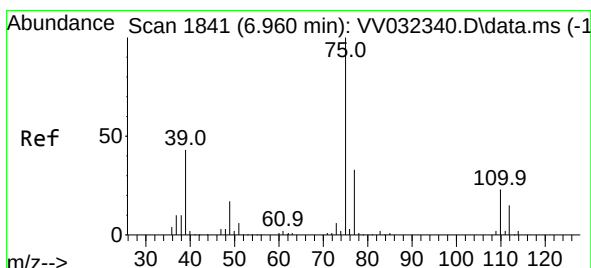
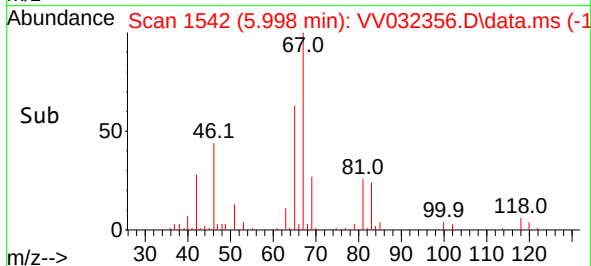
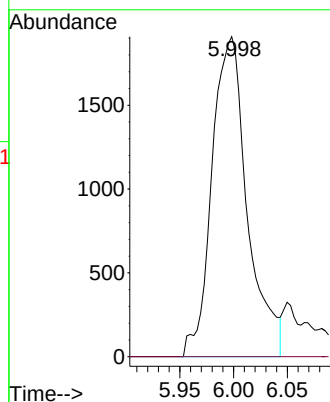
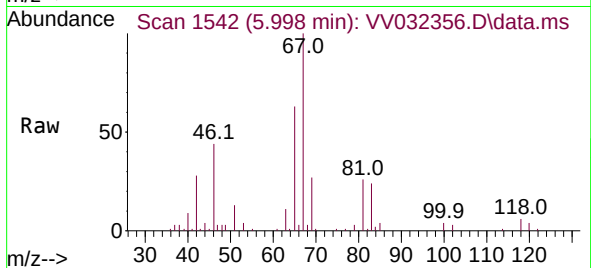
ClientSampleId :

Tgt Ion: 63 Resp: 4370

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 6.924 min Scan# 1830

Delta R.T. -0.035 min

Lab File: VV032356.D

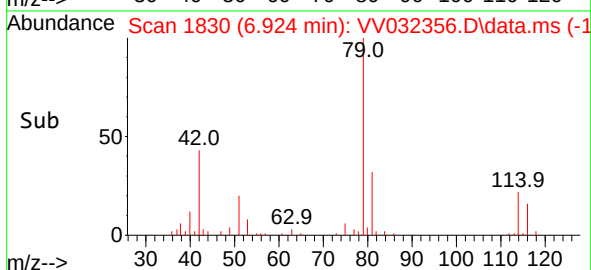
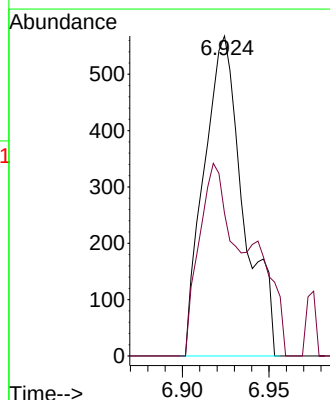
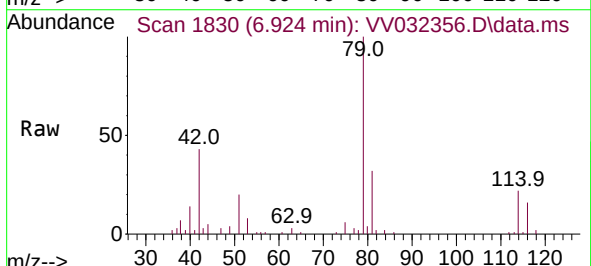
Acq: 10 Oct 2023 02:41

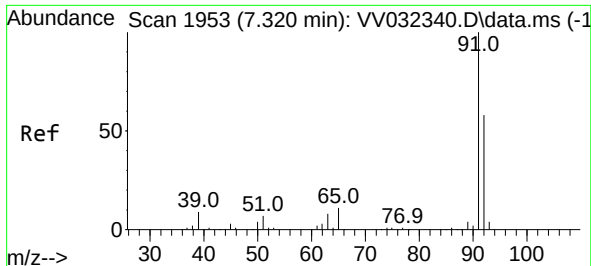
Tgt Ion: 75 Resp: 897

Ion Ratio Lower Upper

75 100

77 44.5 22.2 41.2#





#42

Toluene

Concen: 1.154 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV032356.D

Acq: 10 Oct 2023 02:41

Instrument :

MSVOA_V

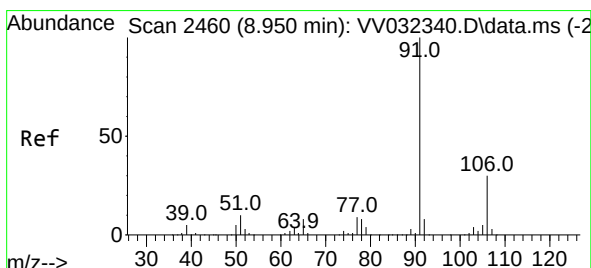
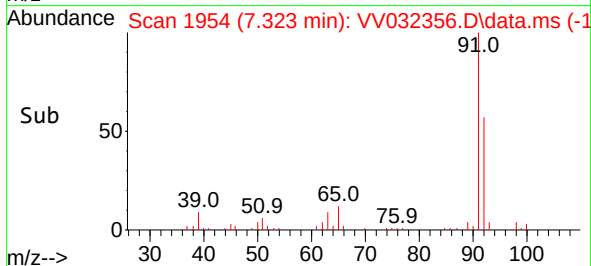
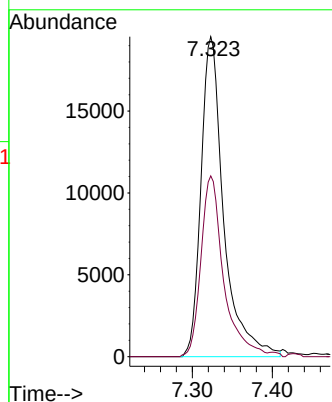
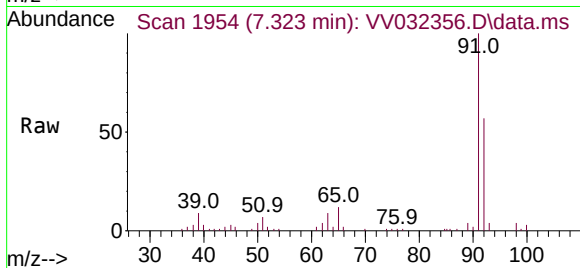
ClientSampleId :

Tgt Ion: 91 Resp: 38625

Ion Ratio Lower Upper

91 100

92 56.5 40.8 75.8



#52

Ethylbenzene

Concen: 0.266 ug/L

RT: 8.956 min Scan# 2462

Delta R.T. 0.006 min

Lab File: VV032356.D

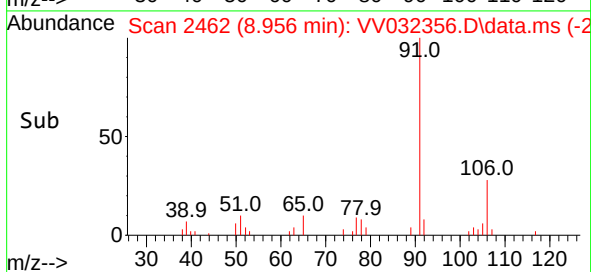
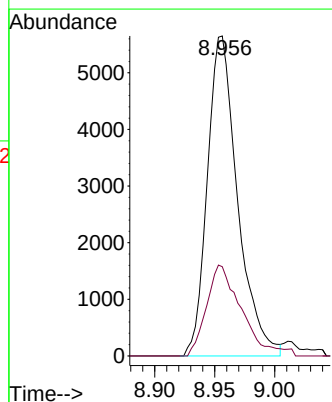
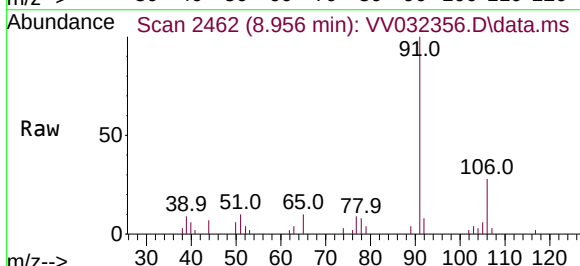
Acq: 10 Oct 2023 02:41

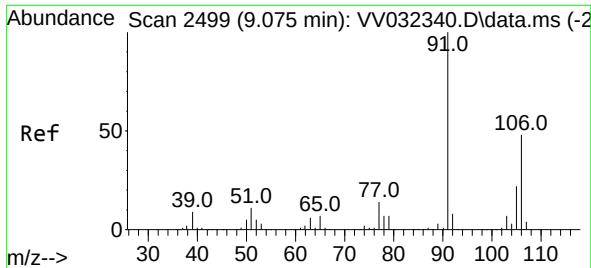
Tgt Ion: 91 Resp: 9912

Ion Ratio Lower Upper

91 100

106 27.9 21.3 39.5

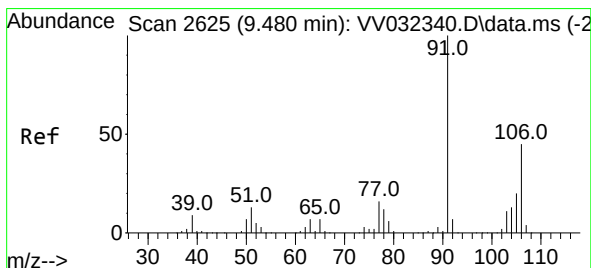
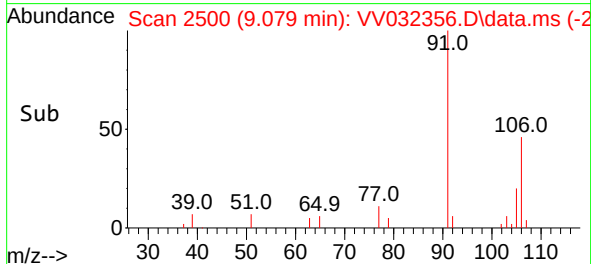
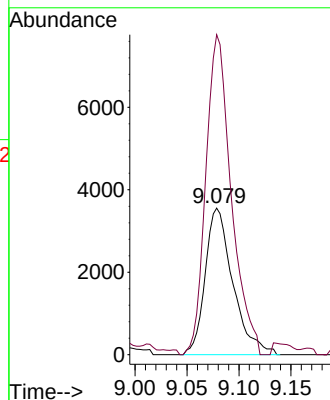
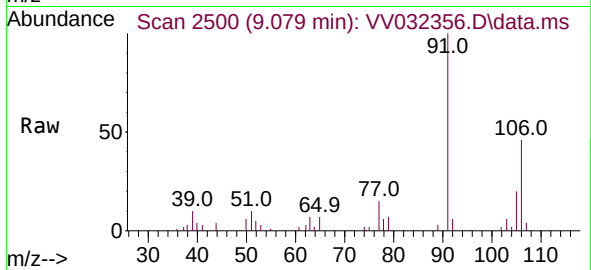




#53
m,p-Xylene
Concen: 0.476 ug/L
RT: 9.079 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV032356.D
Acq: 10 Oct 2023 02:41

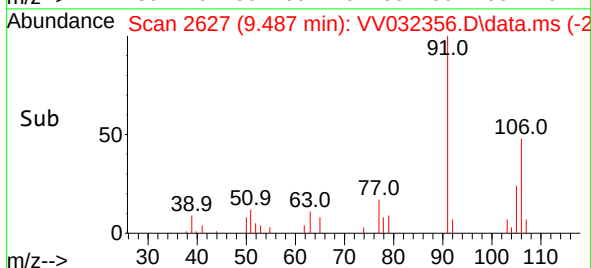
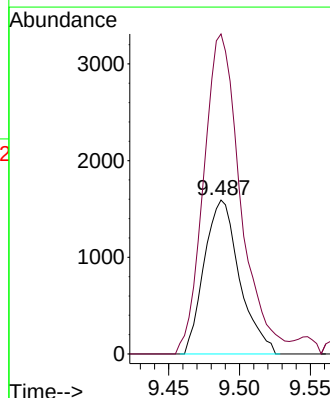
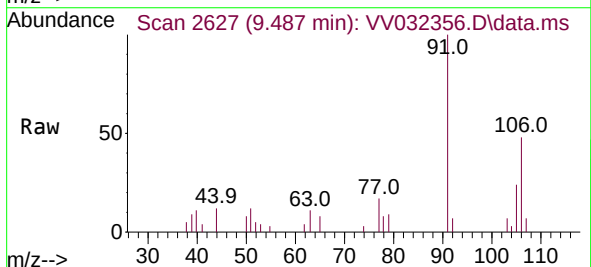
Instrument :
MSVOA_V
ClientSampleId :

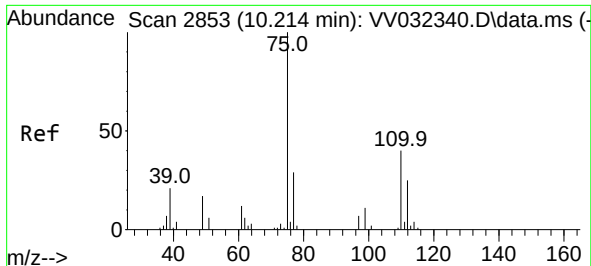
Tgt Ion:106 Resp: 6587
Ion Ratio Lower Upper
106 100
91 218.4 144.5 268.3



#54
o-Xylene
Concen: 0.207 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.006 min
Lab File: VV032356.D
Acq: 10 Oct 2023 02:41

Tgt Ion:106 Resp: 2761
Ion Ratio Lower Upper
106 100
91 207.9 154.8 287.4

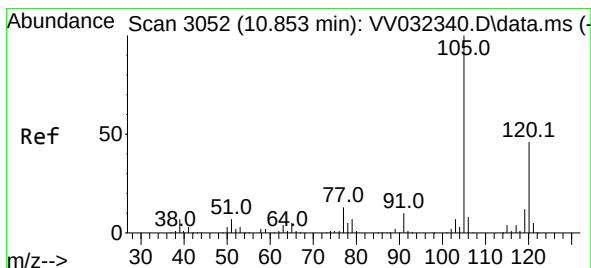
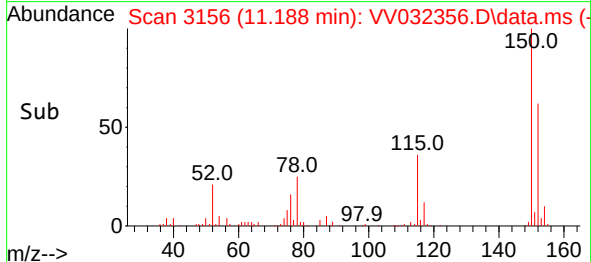
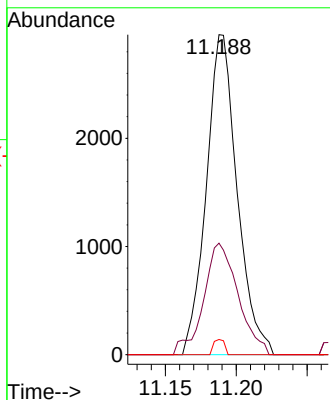
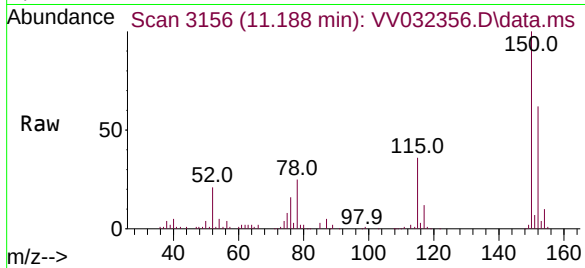




#61
1,2,3-Trichloropropane
Concen: 1.150 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.974 min
Lab File: VV032356.D
Acq: 10 Oct 2023 02:41

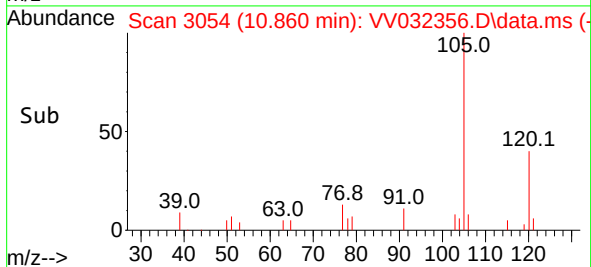
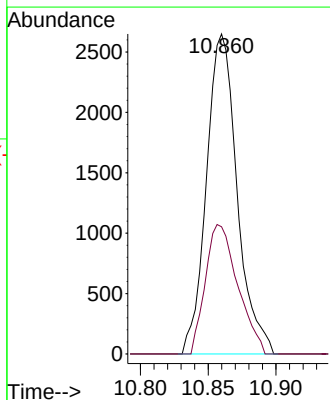
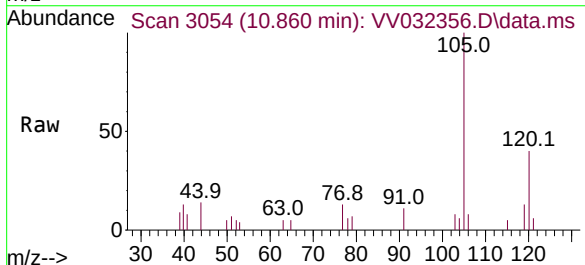
Instrument :
MSVOA_V
ClientSampleId :

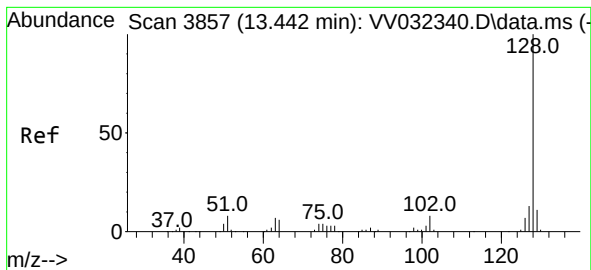
Tgt Ion: 75 Resp: 4472
Ion Ratio Lower Upper
75 100
77 39.0 26.2 39.2
110 1.7 30.6 46.0#



#63
1,2,4-Trimethylbenzene
Concen: 0.181 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.006 min
Lab File: VV032356.D
Acq: 10 Oct 2023 02:41

Tgt Ion: 105 Resp: 4171
Ion Ratio Lower Upper
105 100
120 42.6 36.2 54.4





#71

Naphthalene

Concen: 0.085 ug/L

RT: 13.455 min Scan# 3861

Delta R.T. 0.013 min

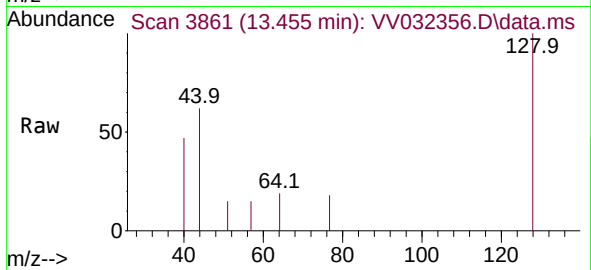
Lab File: VV032356.D

Acq: 10 Oct 2023 02:41

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:128 Resp: 1270

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.4#

127 1.5 10.2 15.2#

