

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033303.D
 Acq On : 14 Dec 2023 02:20
 Operator : SY/MD
 Sample : 05770-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E0Y75

Quant Time: Dec 14 04:36:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 14 01:07:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	128356	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	123311	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	63718	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	35881	4.361	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.200%
7) Chloroethane-d5	1.532	69	28517	4.660	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.060	65	14674	4.481	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.600%
20) 2-Butanone-d5	3.793	46	49634	50.972	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.940%
24) Chloroform-d	4.249	84	83013	4.837	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	4.944	65	39423	5.286	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.800%
32) Benzene-d6	4.960	84	157512	4.938	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
36) 1,2-Dichloropropane-d6	5.989	67	38704	5.330	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.600%
41) Toluene-d8	7.243	98	147101	4.732	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
43) trans-1,3-Dichloroprop...	7.555	79	16392	4.949	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.000%
46) 2-Hexanone-d5	8.027	63	51095	55.256	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.520%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	26492	5.395	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	11.561	152	57976	5.166	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.214	50	865	0.094	ug/L	86
13) Acetone	2.124	43	4086	5.929	ug/L #	56
14) Carbon disulfide	2.243	76	6694	0.280	ug/L	98
22) cis-1,2-Dichloroethene	3.815	96	3799	0.413	ug/L	89
25) Chloroform	4.281	83	18286	1.111	ug/L	98
30) Cyclohexane	4.584	56	3610	0.331	ug/L #	95
33) Benzene	5.024	78	9614	0.291	ug/L	100
34) Trichloroethene	5.844	95	2293	0.238	ug/L #	81
35) Methylcyclohexane	6.050	83	7230	0.507	ug/L	97
37) 1,2-Dichloropropane	5.989	63	4982	0.750	ug/L #	81
39) cis-1,3-Dichloropropene	6.912	75	1273	0.118	ug/L #	56
42) Toluene	7.317	91	109191	2.885	ug/L	94
44) trans-1,3-Dichloropropene	7.555	75	916	0.102	ug/L #	77
45) 1,1,2-Trichloroethane	7.712	97	519	0.101	ug/L #	18
47) Tetrachloroethene	7.908	164	1218	0.134	ug/L	85
49) Dibromochloromethane	7.908	129	1194	0.166	ug/L #	11
52) Ethylbenzene	8.950	91	12296	0.290	ug/L	92
53) m,p-Xylene	9.075	106	6239	0.358	ug/L	78
54) o-Xylene	9.487	106	2519	0.152	ug/L	78

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 14 01:07:25 2023
Response via : Initial Calibration

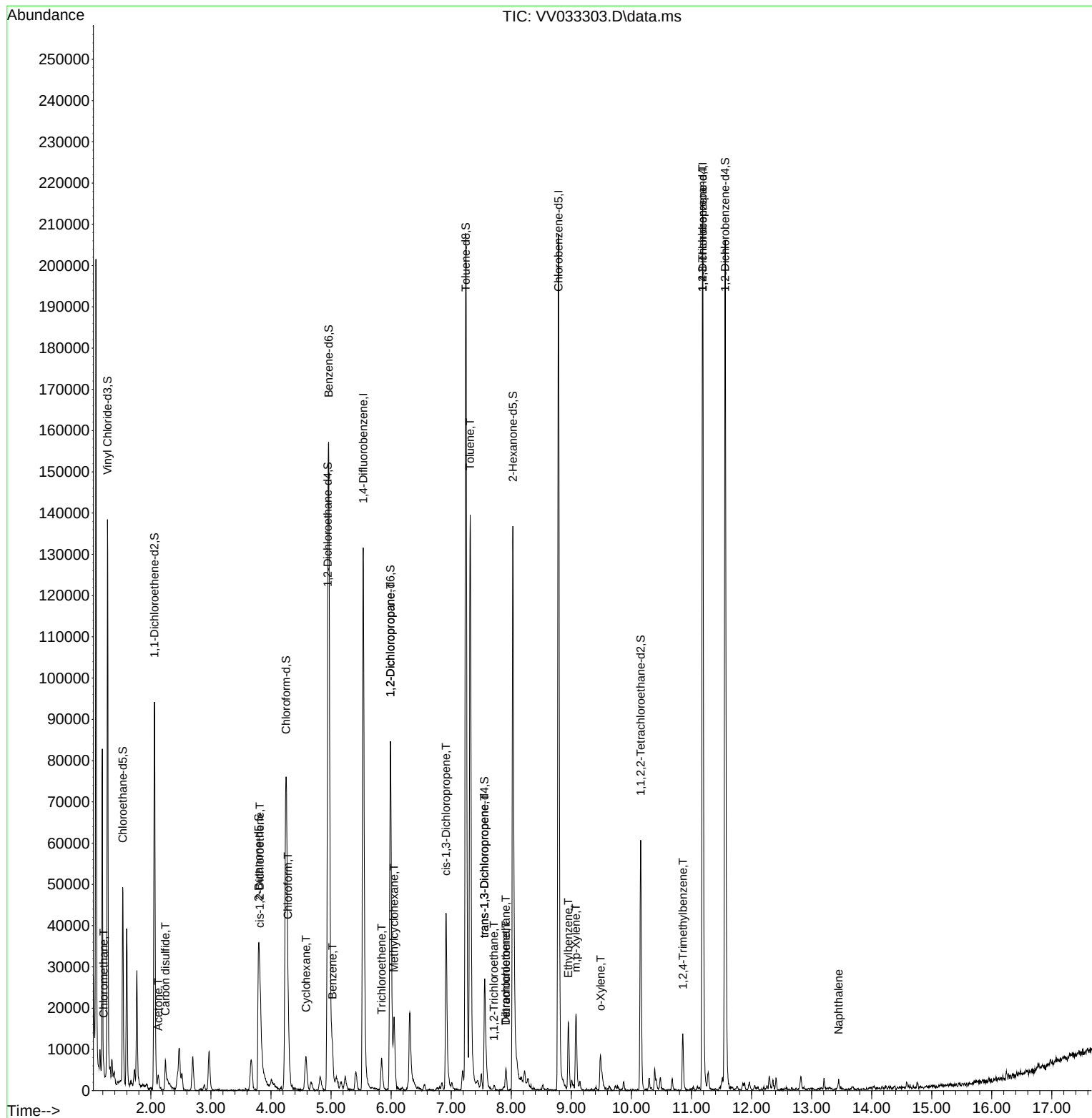
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.185	75	5450	1.614	ug/L #	56
63) 1,2,4-Trimethylbenzene	10.857	105	7941	0.233	ug/L	90
71) Naphthalene	13.451	128	2604	0.170	ug/L #	80

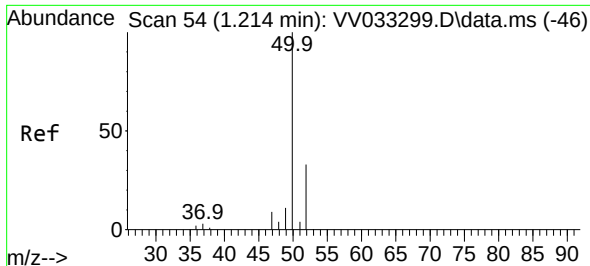
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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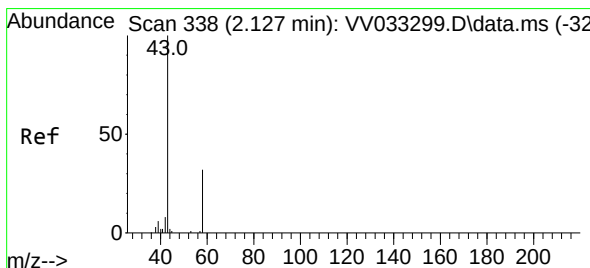
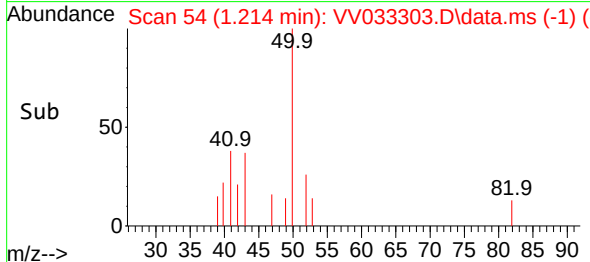
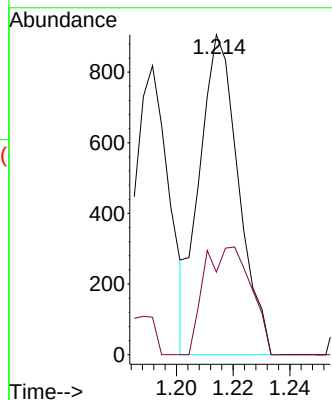
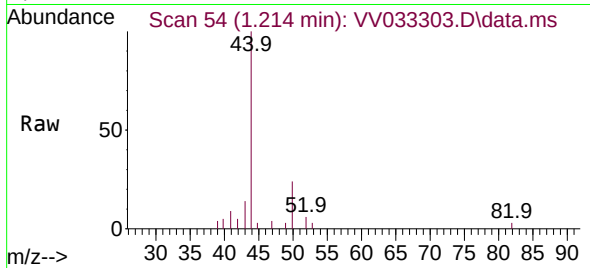




#3
Chloromethane
Concen: 0.094 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.000 min
Lab File: VV033303.D
Acq: 14 Dec 2023 02:20

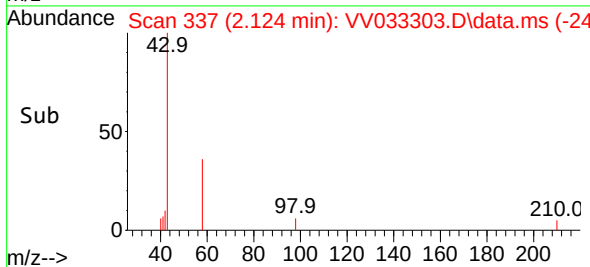
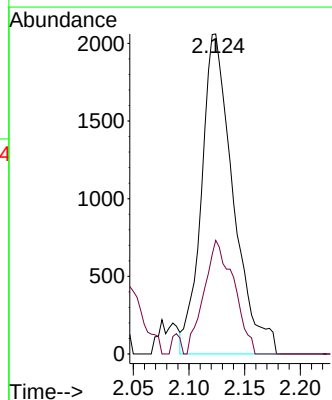
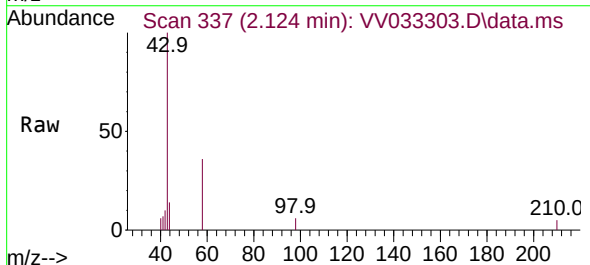
Instrument :
MSVOA_V
ClientSampleId :
E0Y75

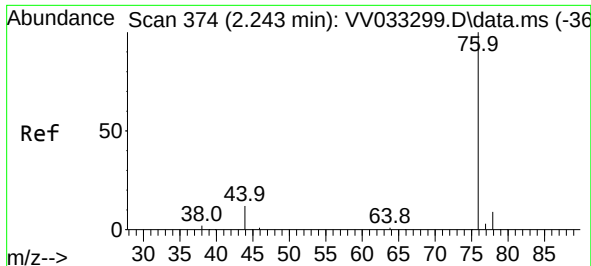
Tgt Ion: 50 Resp: 865
Ion Ratio Lower Upper
50 100
52 25.8 23.8 44.2



#13
Acetone
Concen: 5.929 ug/L
RT: 2.124 min Scan# 337
Delta R.T. -0.003 min
Lab File: VV033303.D
Acq: 14 Dec 2023 02:20

Tgt Ion: 43 Resp: 4086
Ion Ratio Lower Upper
43 100
58 33.5 0.0 30.2#





#14

Carbon disulfide

Concen: 0.280 ug/L

RT: 2.243 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033303.D

Acq: 14 Dec 2023 02:20

Instrument :

MSVOA_V

ClientSampleId :

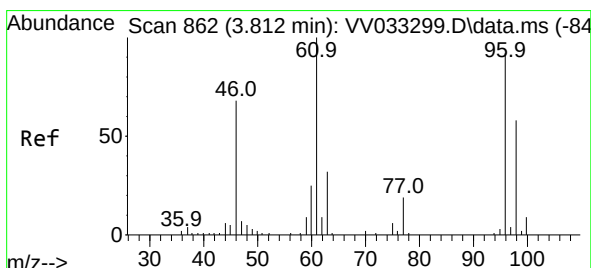
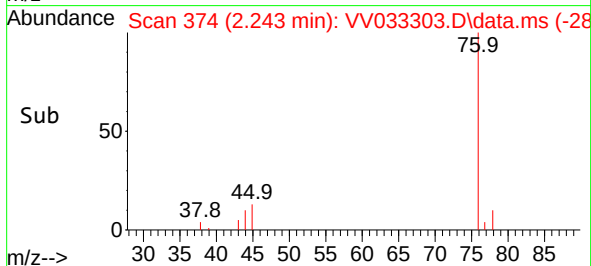
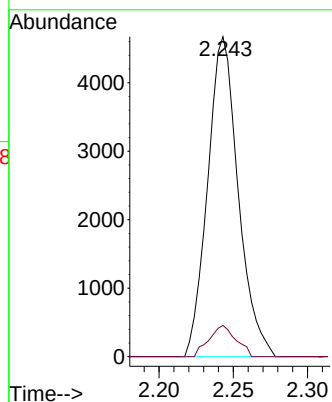
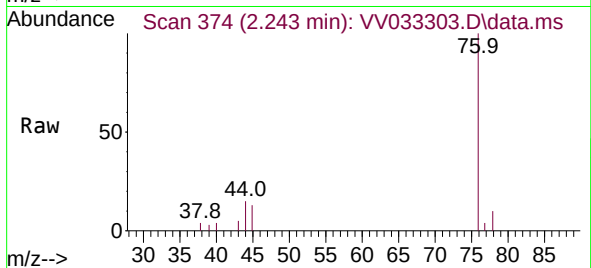
E0Y75

Tgt Ion: 76 Resp: 6694

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.0



#22

cis-1,2-Dichloroethene

Concen: 0.413 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.003 min

Lab File: VV033303.D

Acq: 14 Dec 2023 02:20

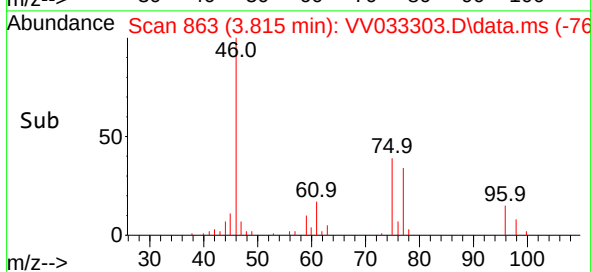
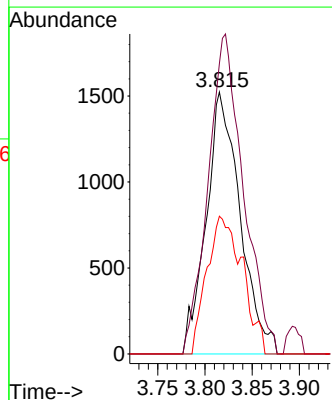
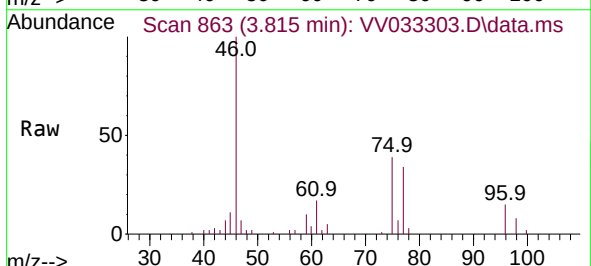
Tgt Ion: 96 Resp: 3799

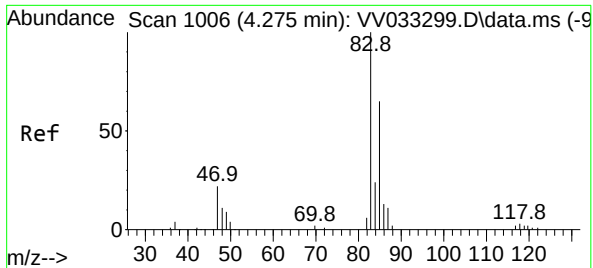
Ion Ratio Lower Upper

96 100

61 110.9 69.9 129.9

98 52.6 42.4 78.8

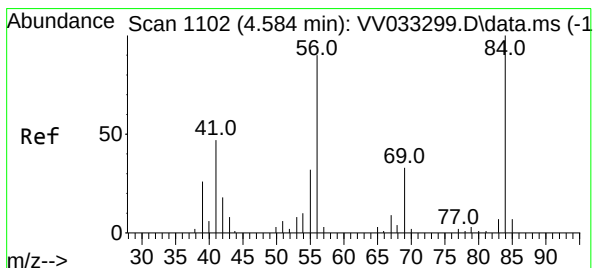
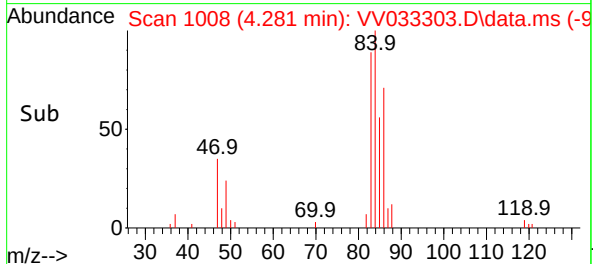
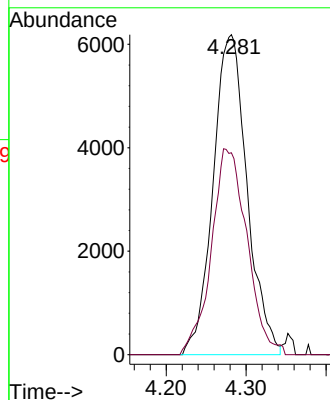
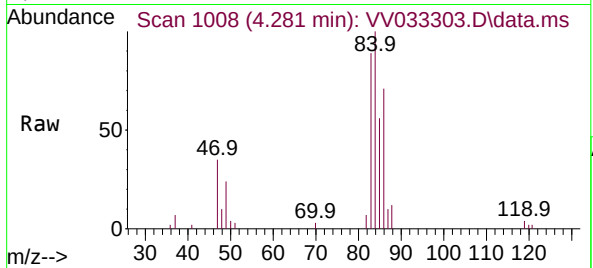




#25
Chloroform
Concen: 1.111 ug/L
RT: 4.281 min Scan# 1008
Delta R.T. 0.007 min
Lab File: VV033303.D
Acq: 14 Dec 2023 02:20

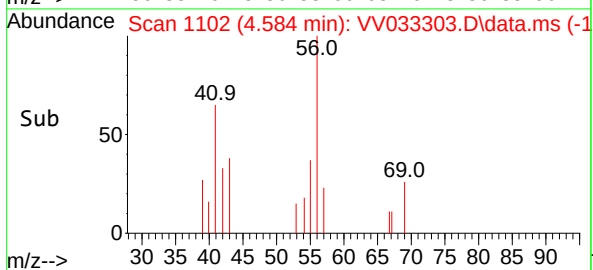
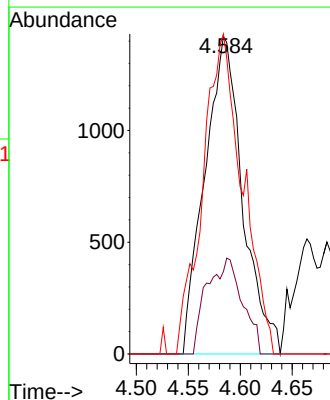
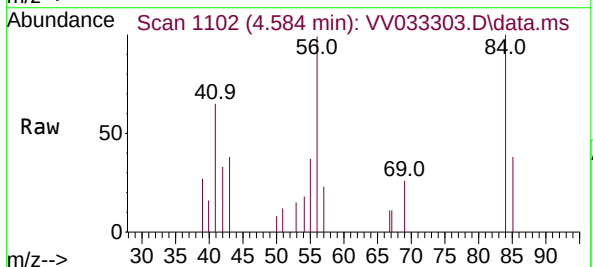
Instrument :
MSVOA_V
ClientSampleId :
E0Y75

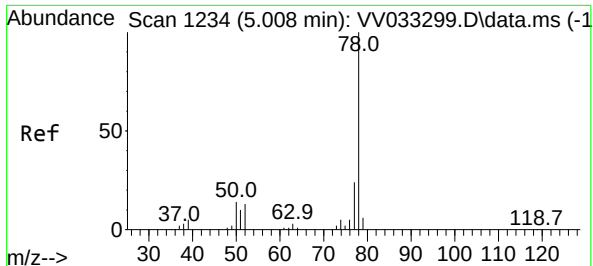
Tgt Ion: 83 Resp: 18286
Ion Ratio Lower Upper
83 100
85 63.1 45.3 84.1



#30
Cyclohexane
Concen: 0.331 ug/L
RT: 4.584 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VV033303.D
Acq: 14 Dec 2023 02:20

Tgt Ion: 56 Resp: 3610
Ion Ratio Lower Upper
56 100
69 28.1 28.8 43.2#
84 105.5 86.2 129.4





#33

Benzene

Concen: 0.291 ug/L

RT: 5.024 min Scan# 1

Delta R.T. 0.016 min

Lab File: VV033303.D

Acq: 14 Dec 2023 02:20

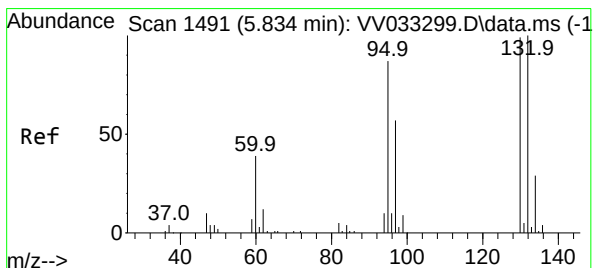
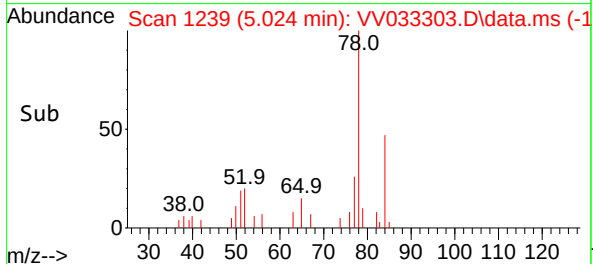
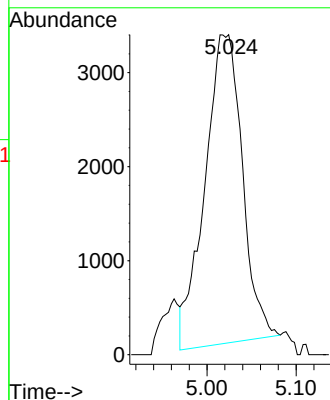
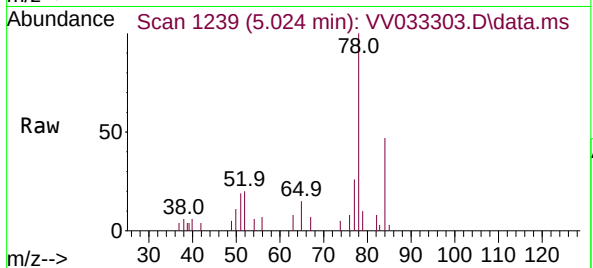
Instrument :

MSVOA_V

ClientSampleId :

E0Y75

Tgt Ion: 78 Resp: 9614



#34

Trichloroethene

Concen: 0.238 ug/L

RT: 5.844 min Scan# 1494

Delta R.T. 0.010 min

Lab File: VV033303.D

Acq: 14 Dec 2023 02:20

Tgt Ion: 95 Resp: 2293

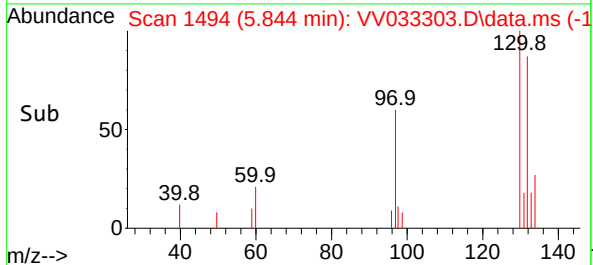
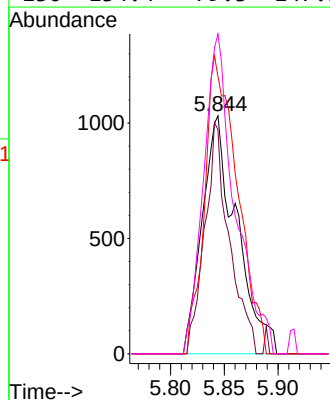
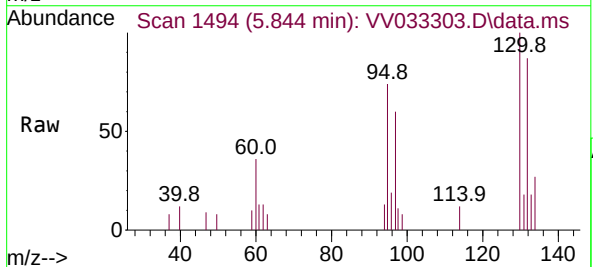
Ion Ratio Lower Upper

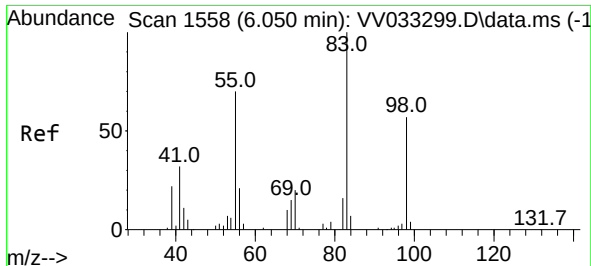
95 100

97 94.2 46.5 86.5#

132 116.6 75.1 139.5

130 134.4 79.3 147.3

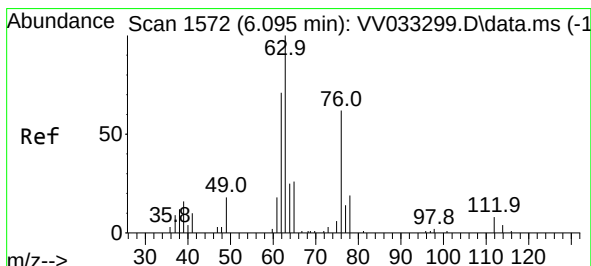
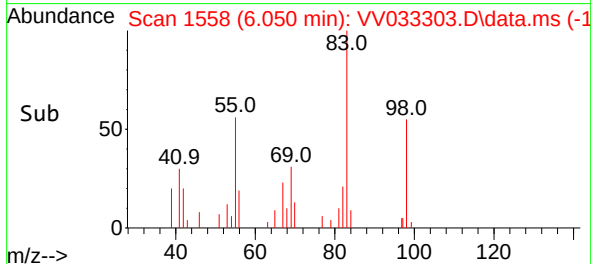
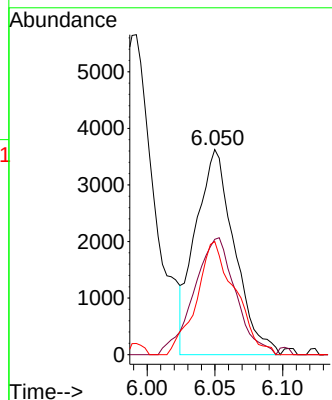
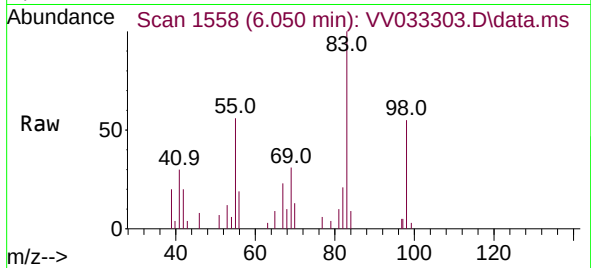




#35
Methylcyclohexane
Concen: 0.507 ug/L
RT: 6.050 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033303.D
Acq: 14 Dec 2023 02:20

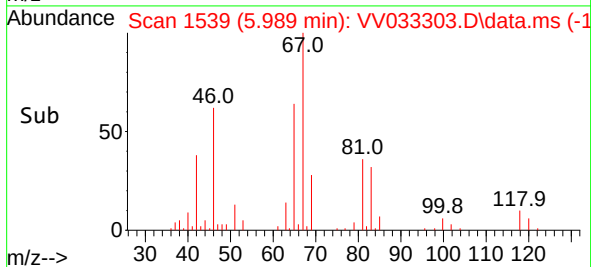
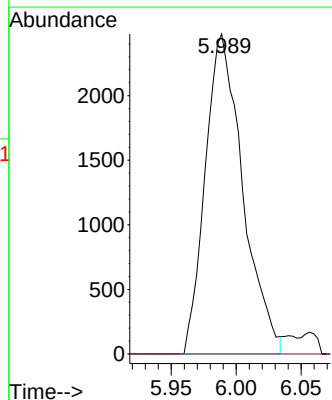
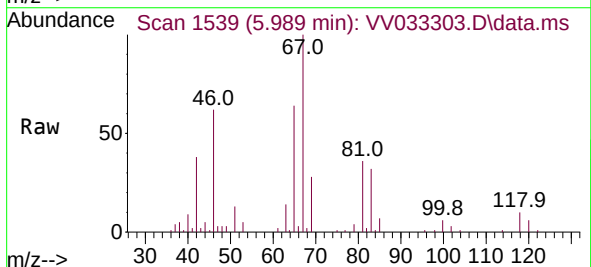
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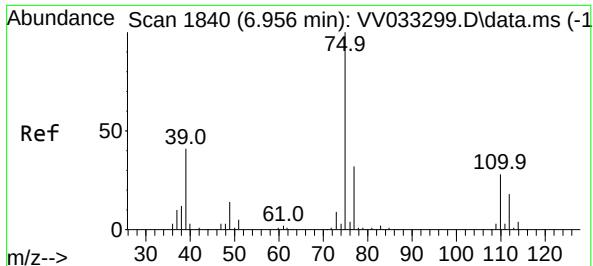
Tgt Ion: 83 Resp: 7230
Ion Ratio Lower Upper
83 100
55 60.9 50.7 76.1
98 55.0 42.4 63.6



#37
1,2-Dichloropropane
Concen: 0.750 ug/L
RT: 5.989 min Scan# 1539
Delta R.T. -0.106 min
Lab File: VV033303.D
Acq: 14 Dec 2023 02:20

Tgt Ion: 63 Resp: 4982
Ion Ratio Lower Upper
63 100
112 0.0 5.0 7.6#





#39

cis-1,3-Dichloropropene

Concen: 0.118 ug/L

RT: 6.912 min Scan# 11

Delta R.T. -0.045 min

Lab File: VV033303.D

Acq: 14 Dec 2023 02:20

Instrument :

MSVOA_V

ClientSampleId :

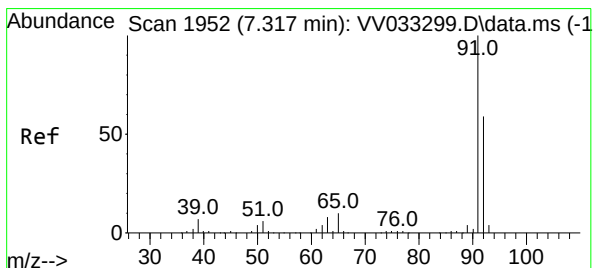
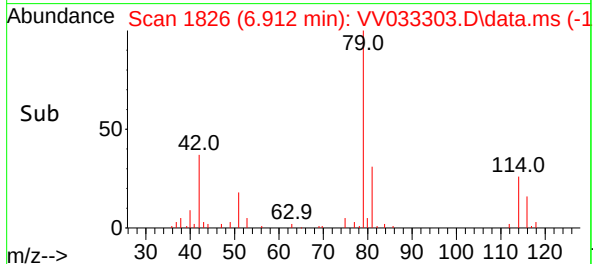
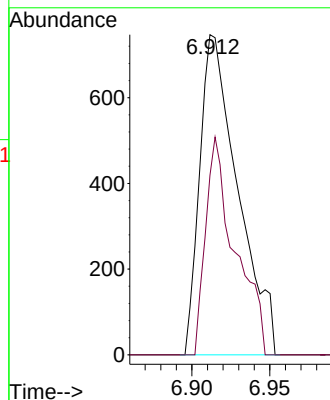
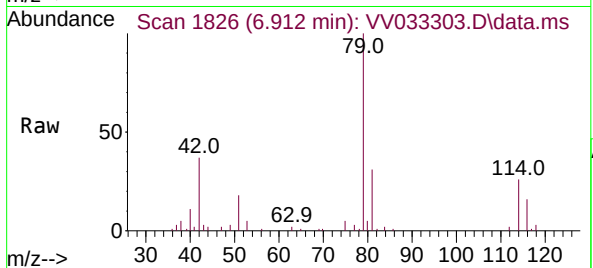
E0Y75

Tgt Ion: 75 Resp: 1273

Ion Ratio Lower Upper

75 100

77 56.1 22.1 41.1#



#42

Toluene

Concen: 2.885 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV033303.D

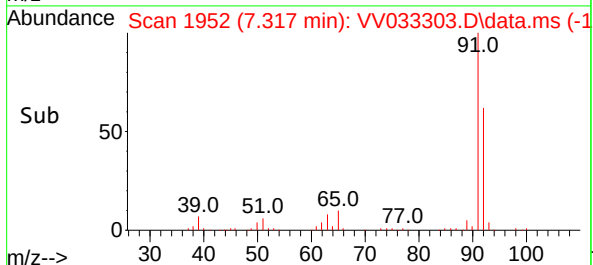
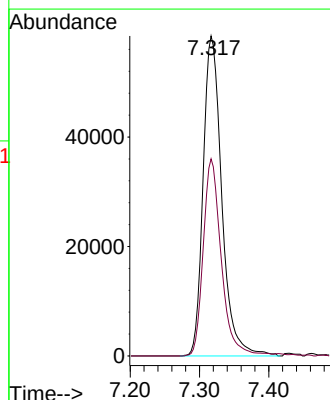
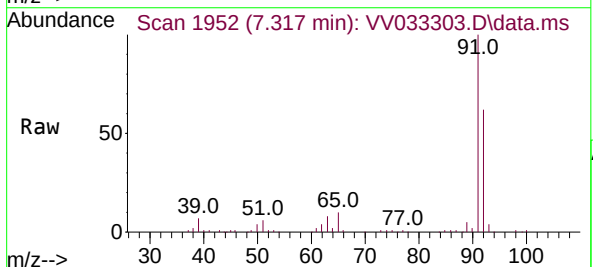
Acq: 14 Dec 2023 02:20

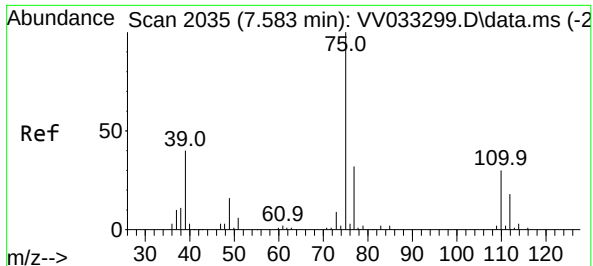
Tgt Ion: 91 Resp: 109191

Ion Ratio Lower Upper

91 100

92 61.6 40.2 74.6

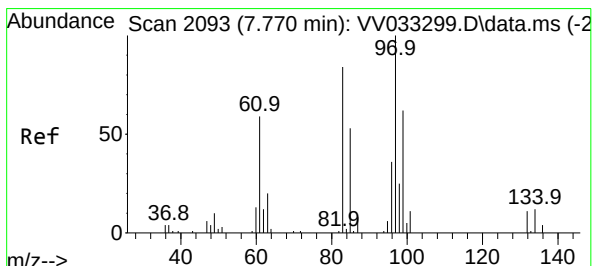
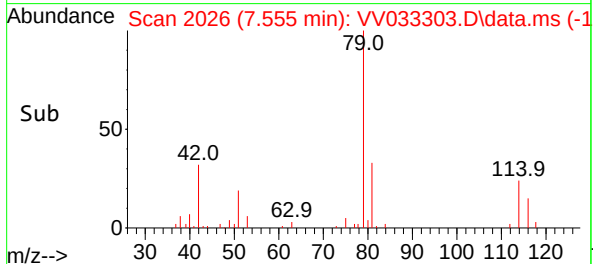
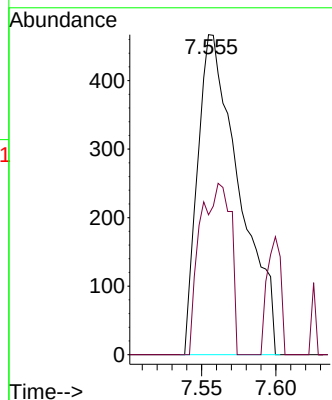
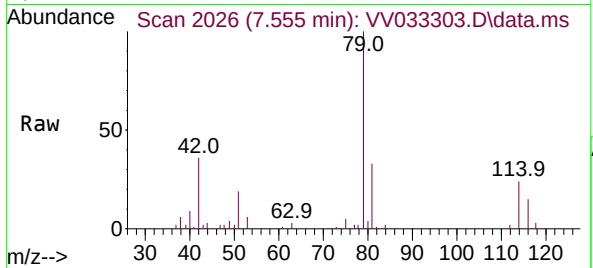




#44
trans-1,3-Dichloropropene
Concen: 0.102 ug/L
RT: 7.555 min Scan# 2035
Delta R.T. -0.029 min
Lab File: VV033303.D
Acq: 14 Dec 2023 02:20

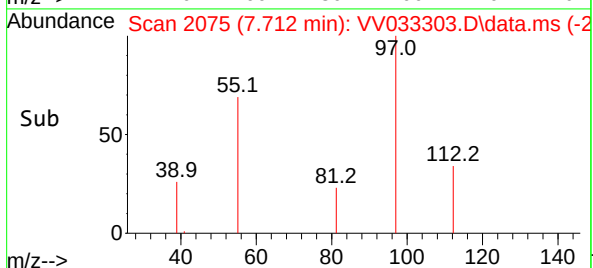
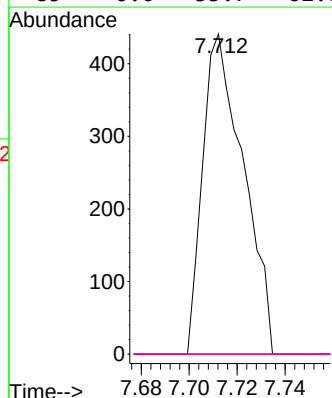
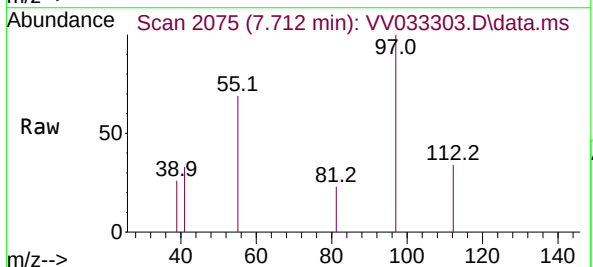
Instrument :
MSVOA_V
ClientSampleId :
E0Y75

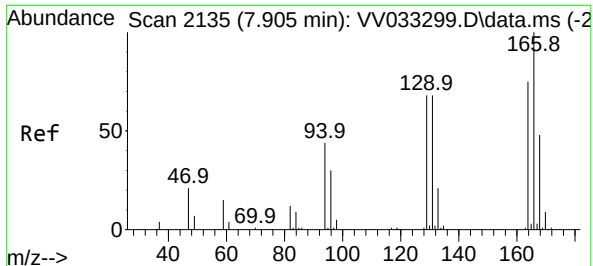
Tgt Ion: 75 Resp: 916
Ion Ratio Lower Upper
75 100
77 43.7 21.7 40.3#



#45
1,1,2-Trichloroethane
Concen: 0.101 ug/L
RT: 7.712 min Scan# 2075
Delta R.T. -0.058 min
Lab File: VV033303.D
Acq: 14 Dec 2023 02:20

Tgt Ion: 97 Resp: 519
Ion Ratio Lower Upper
97 100
99 0.0 44.5 82.7#
83 0.0 54.7 101.5#
85 0.0 33.7 62.7#





#47

Tetrachloroethene

Concen: 0.134 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV033303.D

Acq: 14 Dec 2023 02:20

Instrument :

MSVOA_V

ClientSampleId :

E0Y75

Tgt Ion:164 Resp: 1218

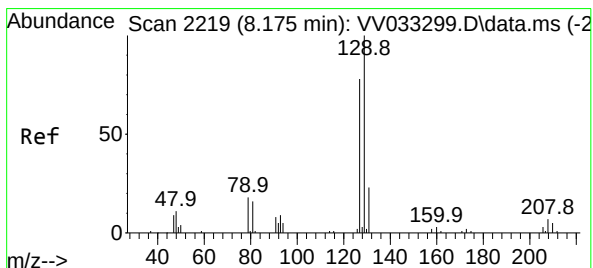
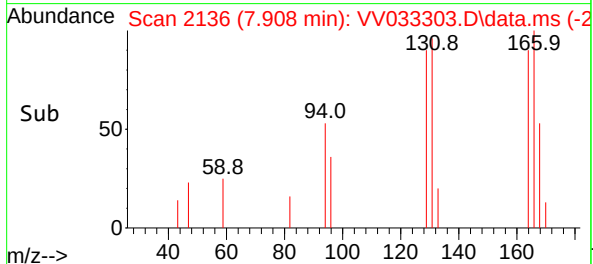
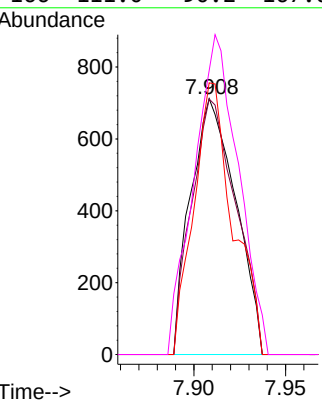
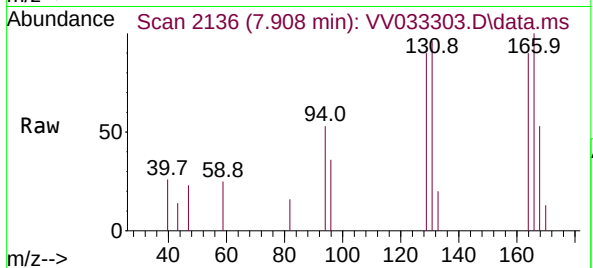
Ion Ratio Lower Upper

164 100

129 99.9 62.6 116.3

131 106.2 62.6 116.3

166 111.0 90.2 167.6



#49

Dibromochloromethane

Concen: 0.166 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.267 min

Lab File: VV033303.D

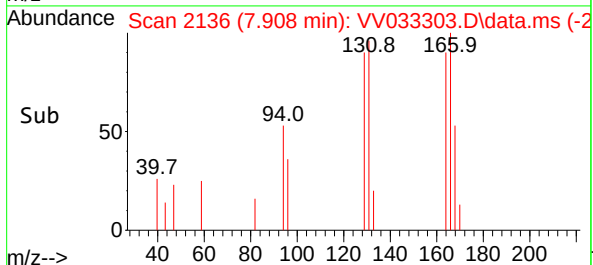
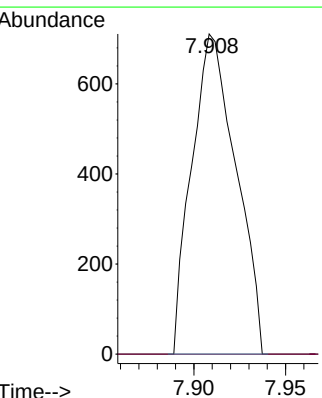
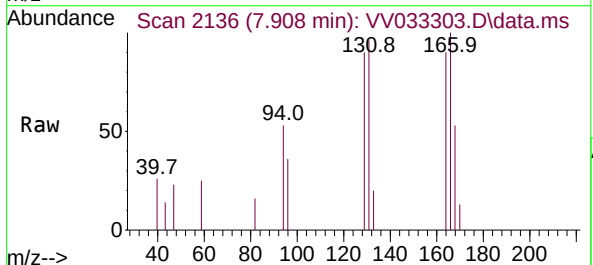
Acq: 14 Dec 2023 02:20

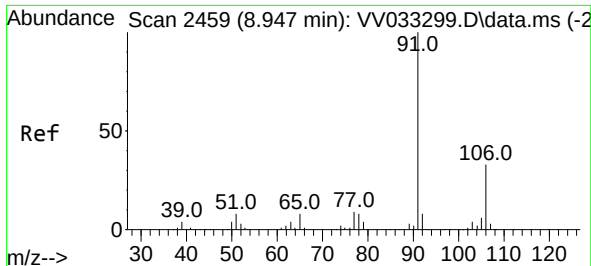
Tgt Ion:129 Resp: 1194

Ion Ratio Lower Upper

129 100

127 0.0 53.2 98.8#





#52

Ethylbenzene

Concen: 0.290 ug/L

RT: 8.950 min Scan# 2459

Delta R.T. 0.003 min

Lab File: VV033303.D

Acq: 14 Dec 2023 02:20

Instrument :

MSVOA_V

ClientSampleId :

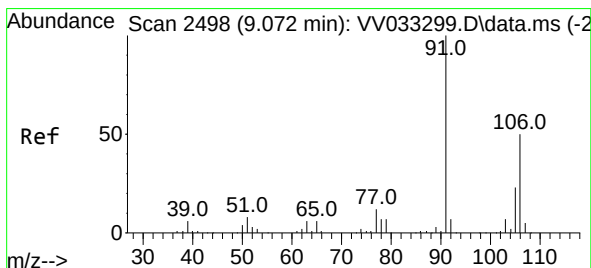
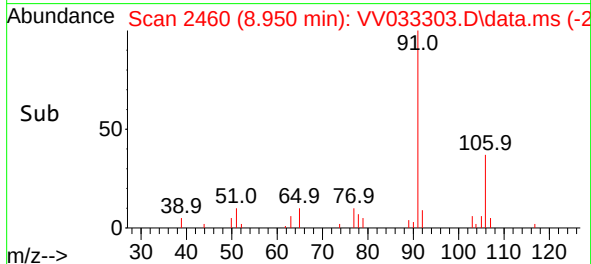
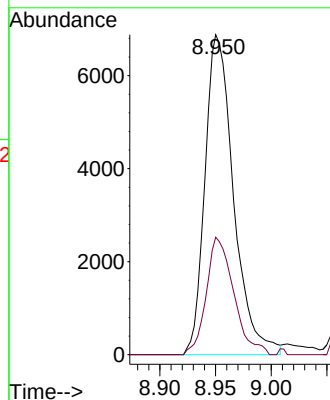
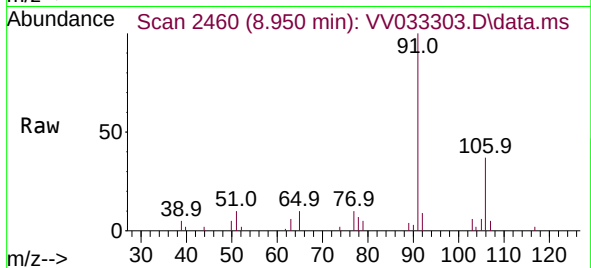
E0Y75

Tgt Ion: 91 Resp: 12296

Ion Ratio Lower Upper

91 100

106 36.7 22.7 42.3



#53

m,p-Xylene

Concen: 0.358 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.003 min

Lab File: VV033303.D

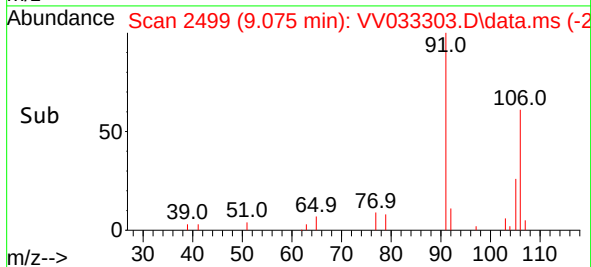
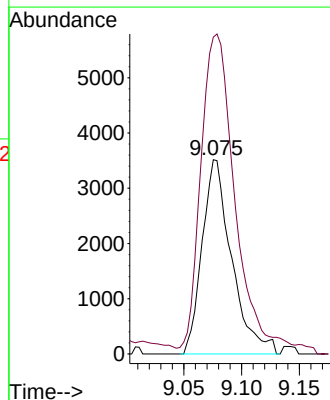
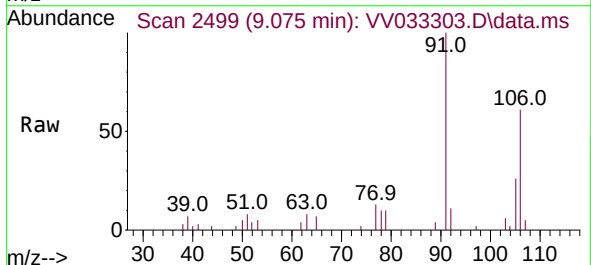
Acq: 14 Dec 2023 02:20

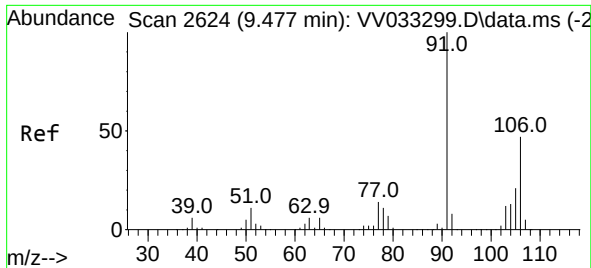
Tgt Ion:106 Resp: 6239

Ion Ratio Lower Upper

106 100

91 163.0 136.8 254.0

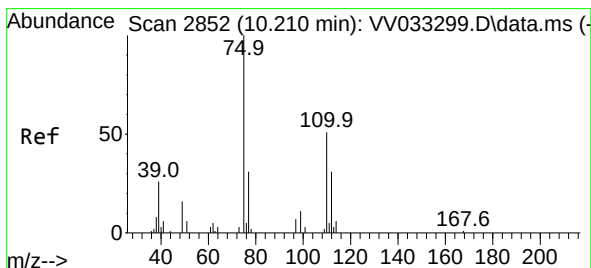
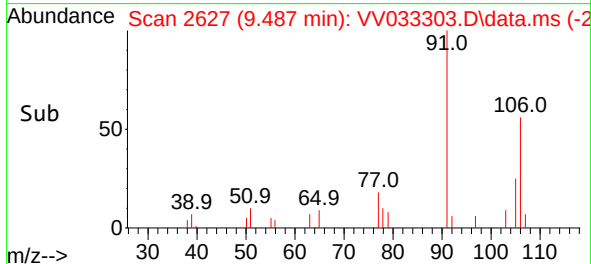
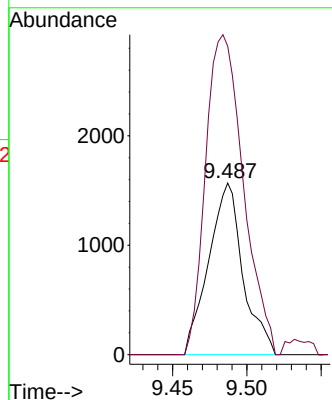
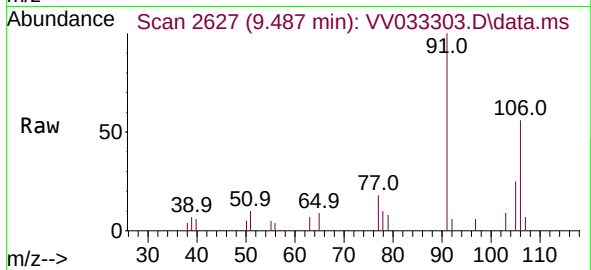




#54
o-Xylene
Concen: 0.152 ug/L
RT: 9.487 min Scan# 210
Delta R.T. 0.010 min
Lab File: VV033303.D
Acq: 14 Dec 2023 02:20

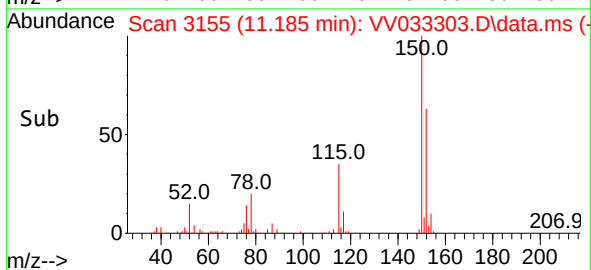
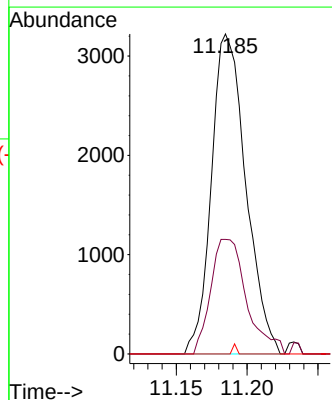
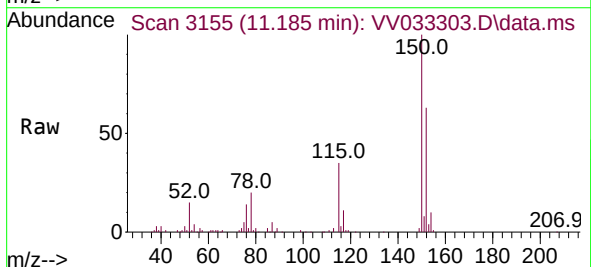
Instrument :
MSVOA_V
ClientSampleId :
E0Y75

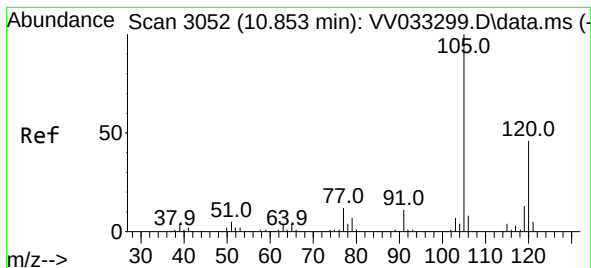
Tgt Ion:106 Resp: 2519
Ion Ratio Lower Upper
106 100
91 179.8 149.9 278.5



#61
1,2,3-Trichloropropane
Concen: 1.614 ug/L
RT: 11.185 min Scan# 3155
Delta R.T. 0.974 min
Lab File: VV033303.D
Acq: 14 Dec 2023 02:20

Tgt Ion: 75 Resp: 5450
Ion Ratio Lower Upper
75 100
77 37.4 27.4 41.2
110 0.3 39.4 59.2#





#63

1,2,4-Trimethylbenzene

Concen: 0.233 ug/L

RT: 10.857 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV033303.D

Acq: 14 Dec 2023 02:20

Instrument :

MSVOA_V

ClientSampleId :

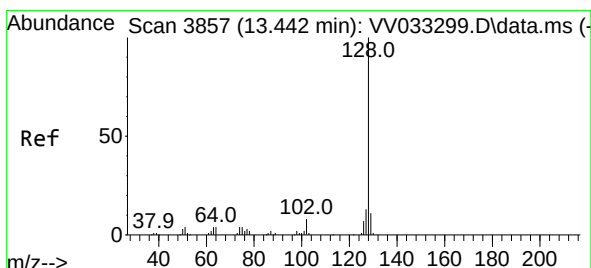
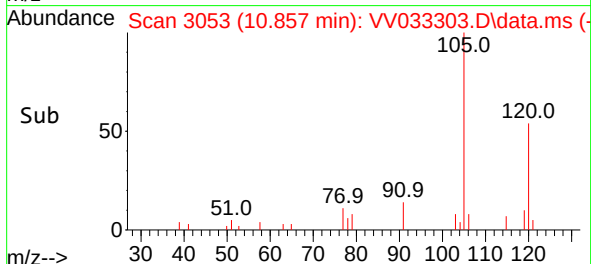
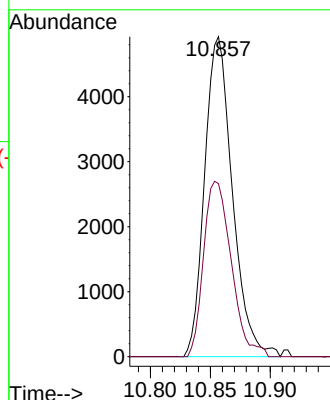
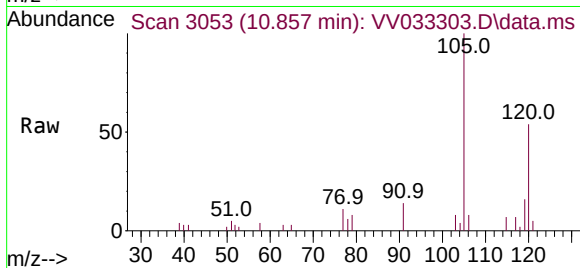
E0Y75

Tgt Ion:105 Resp: 7941

Ion Ratio Lower Upper

105 100

120 54.6 38.1 57.1



#71

Naphthalene

Concen: 0.170 ug/L

RT: 13.451 min Scan# 3860

Delta R.T. 0.010 min

Lab File: VV033303.D

Acq: 14 Dec 2023 02:20

Tgt Ion:128 Resp: 2604

Ion Ratio Lower Upper

128 100

129 4.1 8.8 13.2#

127 3.9 10.1 15.1#

