

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033301.D
 Acq On : 14 Dec 2023 01:32
 Operator : SY/MD
 Sample : 05770-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E0Y73

Quant Time: Dec 14 04:35:39 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	131268	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	126155	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	65330	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	40488	4.811	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.200%
7) Chloroethane-d5	1.532	69	31027	4.957	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.200%
11) 1,1-Dichloroethene-d2	2.063	65	15176	4.531	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.600%
20) 2-Butanone-d5	3.789	46	51690	51.906	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.820%
24) Chloroform-d	4.249	84	90289	5.144	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.800%
26) 1,2-Dichloroethane-d4	4.944	65	41122	5.392	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.800%
32) Benzene-d6	4.960	84	173580	5.319	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.400%
36) 1,2-Dichloropropane-d6	5.989	67	40611	5.467	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.400%
41) Toluene-d8	7.243	98	159985	5.031	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.600%
43) trans-1,3-Dichloroprop...	7.558	79	17365	5.124	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.400%
46) 2-Hexanone-d5	8.027	63	53584	56.641	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.280%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	28475	5.668	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.400%
66) 1,2-Dichlorobenzene-d4	11.561	152	63172	5.490	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	1407	0.150	ug/L	98
13) Acetone	2.121	43	2574	3.652	ug/L	81
14) Carbon disulfide	2.240	76	5041	0.206	ug/L	99
15) Methyl Acetate	2.471	43	5153	2.759	ug/L #	49
22) cis-1,2-Dichloroethene	3.815	96	4088	0.435	ug/L	89
30) Cyclohexane	4.584	56	2692	0.241	ug/L	97
33) Benzene	5.021	78	5609	0.166	ug/L	100
34) Trichloroethene	5.844	95	1966	0.199	ug/L	90
35) Methylcyclohexane	6.047	83	5562	0.381	ug/L	94
39) cis-1,3-Dichloropropene	6.915	75	1296	0.117	ug/L	88
42) Toluene	7.320	91	41536	1.073	ug/L	98
44) trans-1,3-Dichloropropene	7.558	75	889	0.097	ug/L #	8
45) 1,1,2-Trichloroethane	7.712	97	489	0.093	ug/L #	18
47) Tetrachloroethene	7.908	164	920	0.099	ug/L	85
49) Dibromochloromethane	7.908	129	1053	0.143	ug/L #	11
52) Ethylbenzene	8.953	91	8884	0.205	ug/L	95
53) m,p-Xylene	9.079	106	4086	0.229	ug/L	87
54) o-Xylene	9.484	106	1813	0.107	ug/L	86
61) 1,2,3-Trichloropropane	11.185	75	5955	1.720	ug/L #	57

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

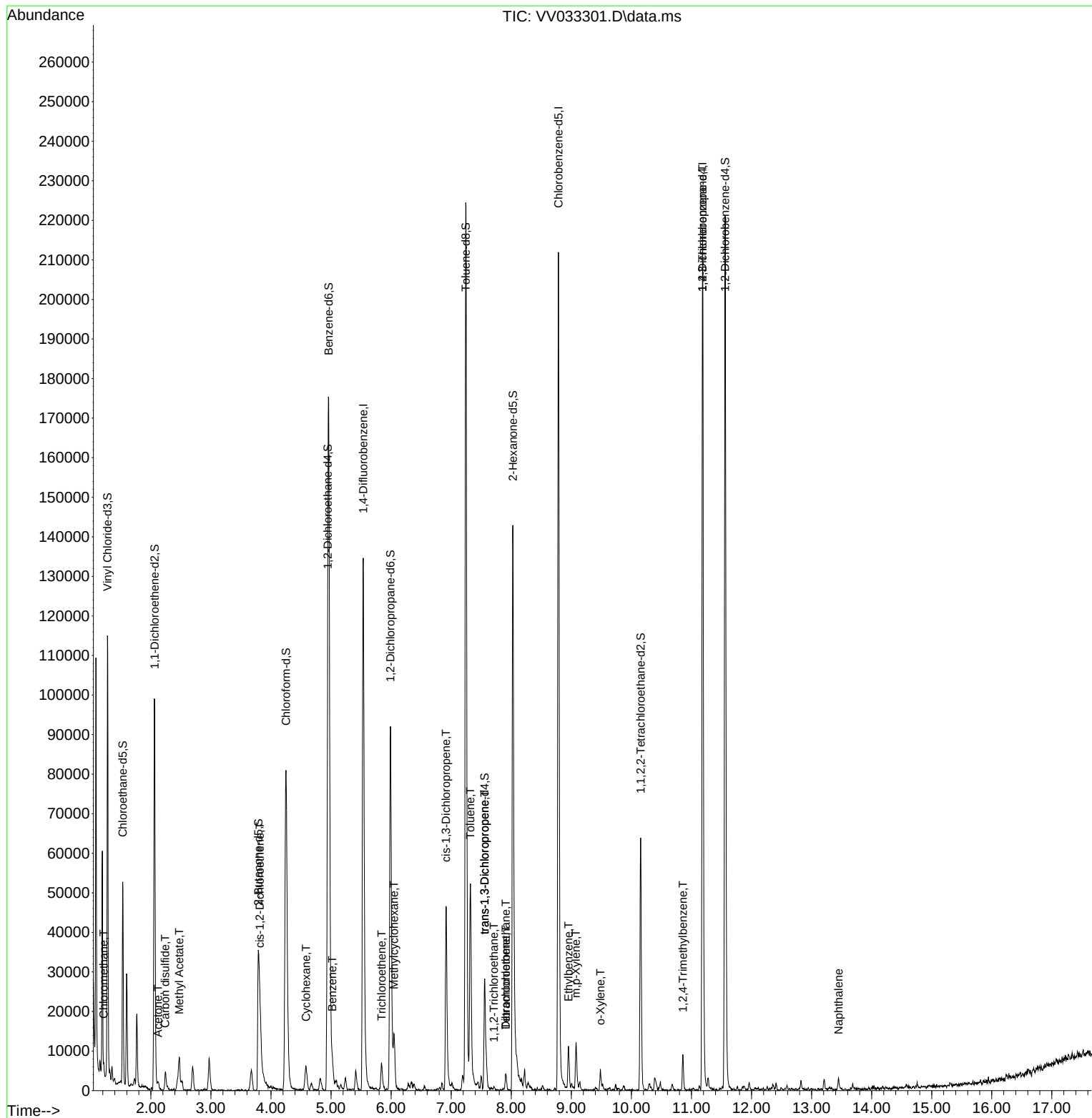
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.860	105	5301	0.151	ug/L	91
71) Naphthalene	13.451	128	3260	0.208	ug/L #	84

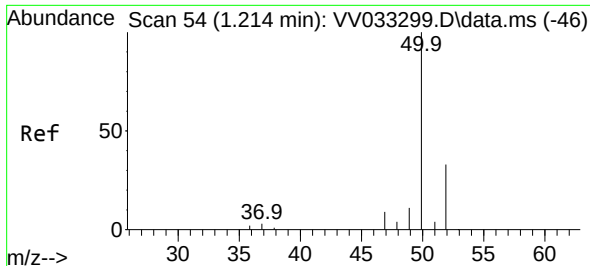
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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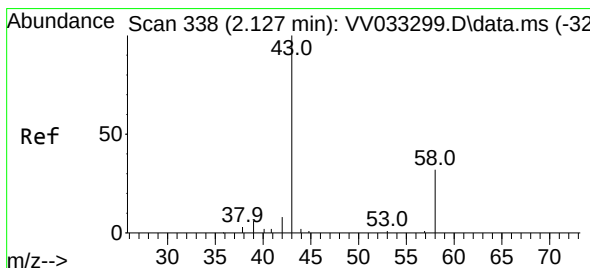
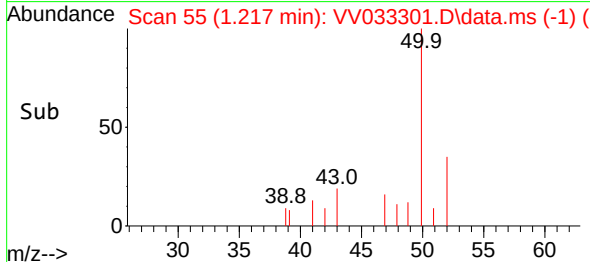
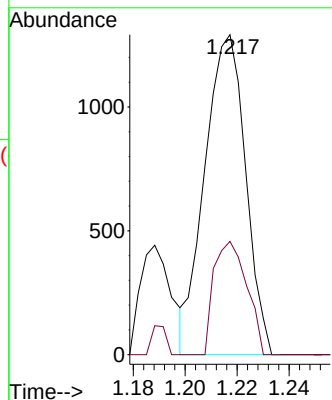
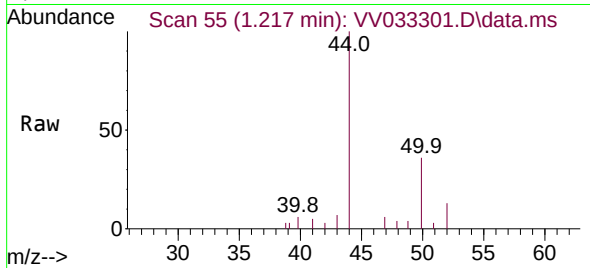




#3
Chloromethane
Concen: 0.150 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV033301.D
Acq: 14 Dec 2023 01:32

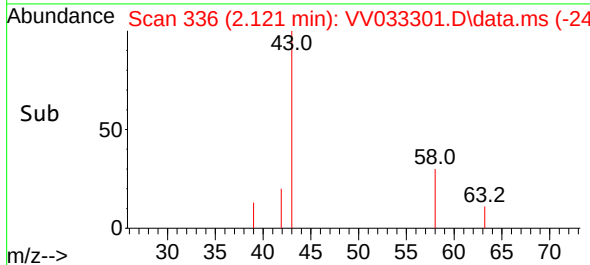
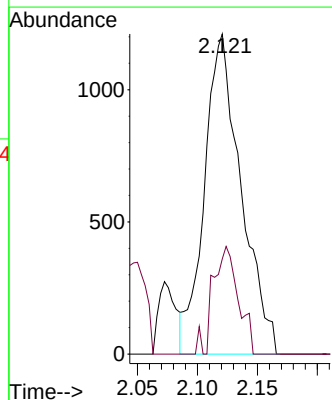
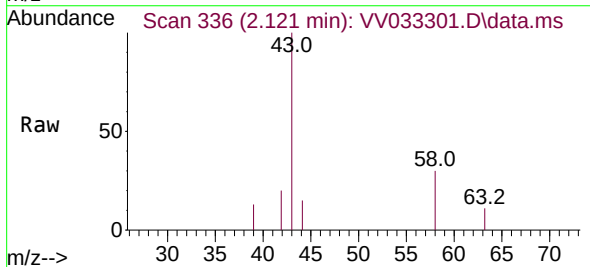
Instrument :
MSVOA_V
ClientSampleId :
E0Y73

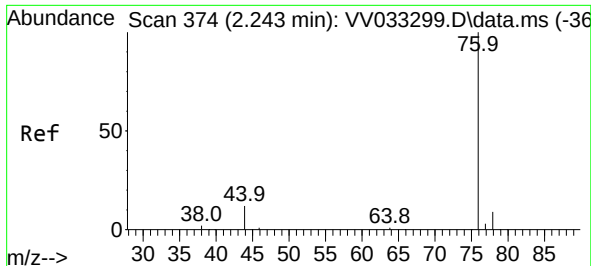
Tgt Ion: 50 Resp: 1407
Ion Ratio Lower Upper
50 100
52 35.4 23.8 44.2



#13
Acetone
Concen: 3.652 ug/L
RT: 2.121 min Scan# 336
Delta R.T. -0.006 min
Lab File: VV033301.D
Acq: 14 Dec 2023 01:32

Tgt Ion: 43 Resp: 2574
Ion Ratio Lower Upper
43 100
58 23.0 0.0 30.2





#14

Carbon disulfide

Concen: 0.206 ug/L

RT: 2.240 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033301.D

Acq: 14 Dec 2023 01:32

Instrument :

MSVOA_V

ClientSampleId :

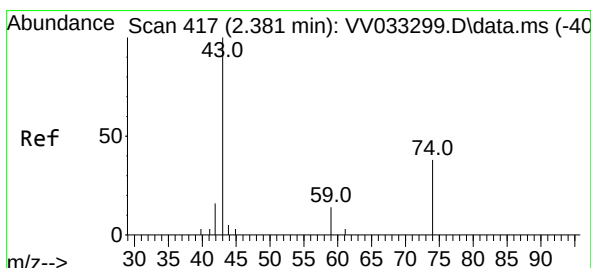
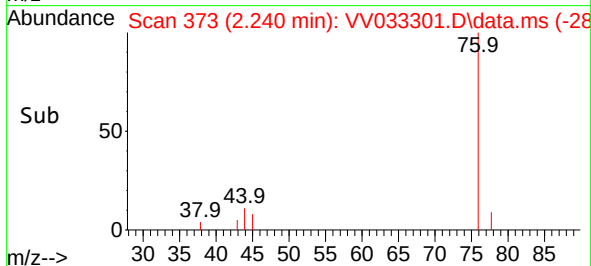
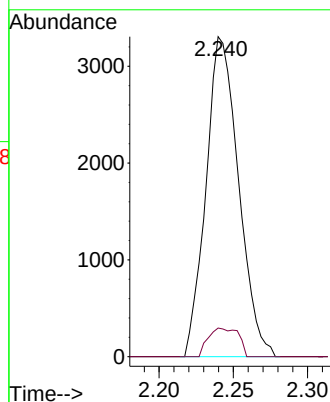
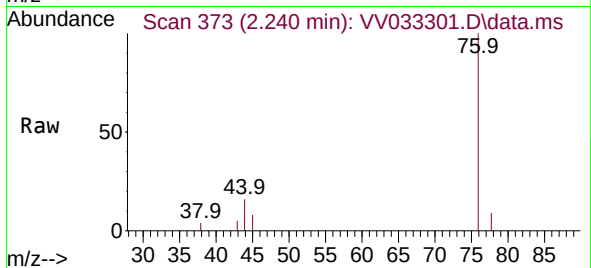
E0Y73

Tgt Ion: 76 Resp: 5041

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



#15

Methyl Acetate

Concen: 2.759 ug/L

RT: 2.471 min Scan# 445

Delta R.T. 0.090 min

Lab File: VV033301.D

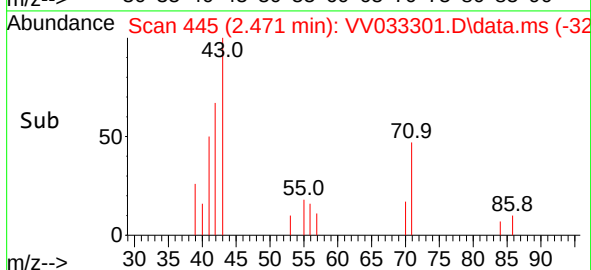
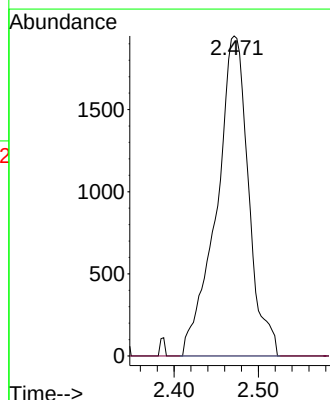
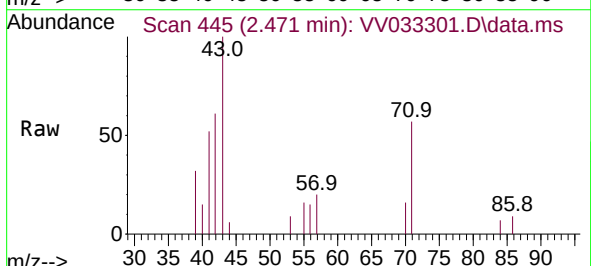
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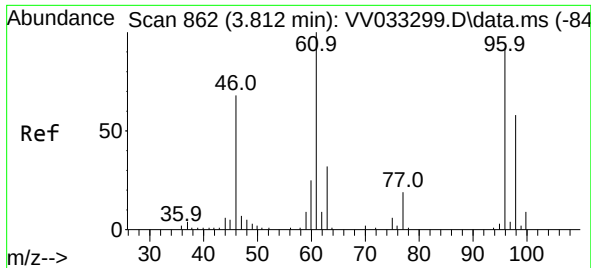
Tgt Ion: 43 Resp: 5153

Ion Ratio Lower Upper

43 100

74 0.0 21.0 31.6#

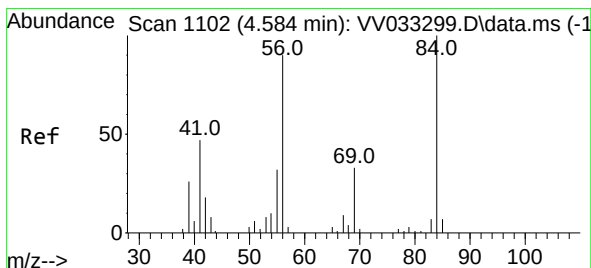
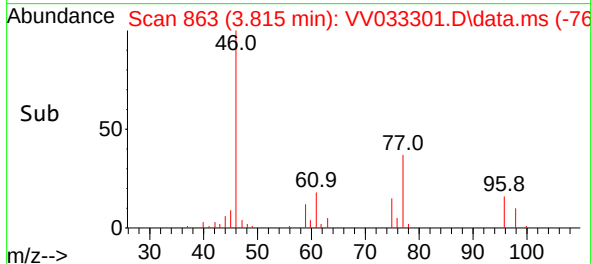
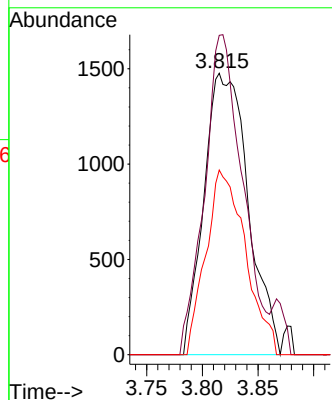
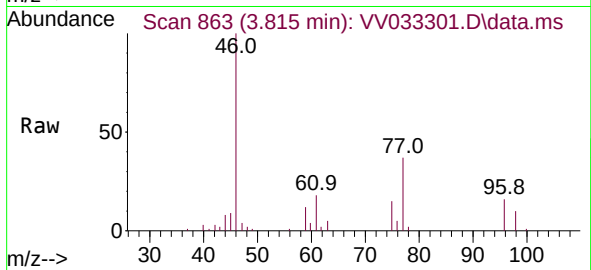




#22
 cis-1,2-Dichloroethene
 Concen: 0.435 ug/L
 RT: 3.815 min Scan# 863
 Delta R.T. 0.003 min
 Lab File: VV033301.D
 Acq: 14 Dec 2023 01:32

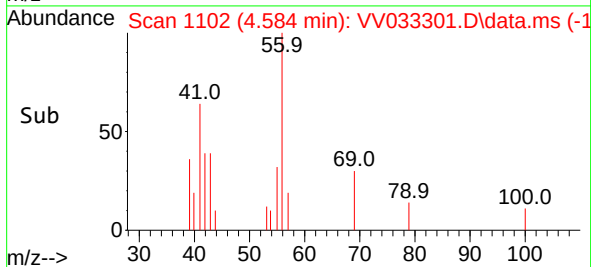
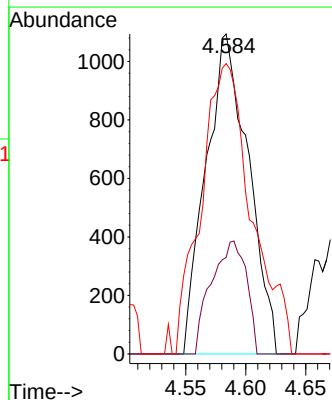
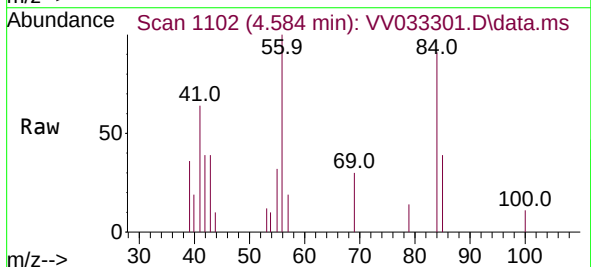
Instrument :
 MSVOA_V
 ClientSampleId :
 E0Y73

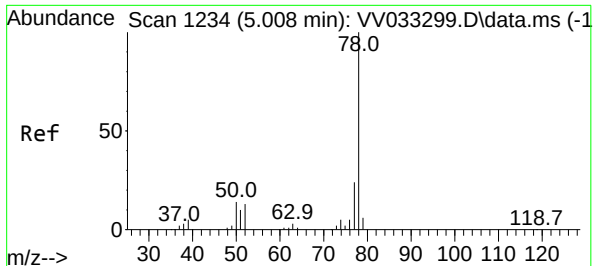
Tgt Ion: 96 Resp: 4088
 Ion Ratio Lower Upper
 96 100
 61 113.5 69.9 129.9
 98 65.6 42.4 78.8



#30
 Cyclohexane
 Concen: 0.241 ug/L
 RT: 4.584 min Scan# 1102
 Delta R.T. 0.000 min
 Lab File: VV033301.D
 Acq: 14 Dec 2023 01:32

Tgt Ion: 56 Resp: 2692
 Ion Ratio Lower Upper
 56 100
 69 29.0 28.8 43.2
 84 108.0 86.2 129.4

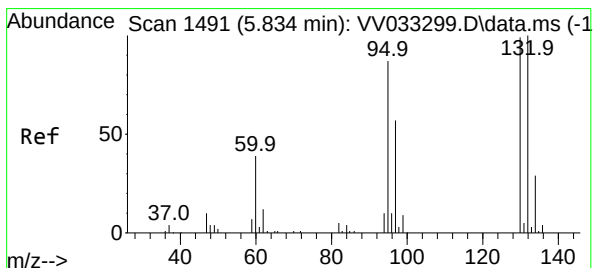
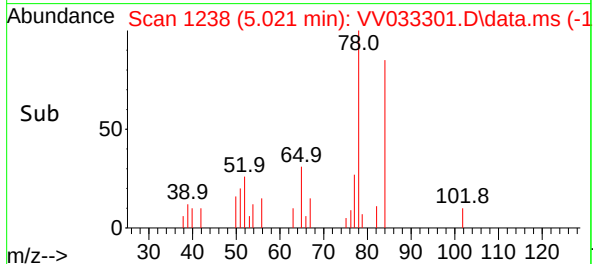
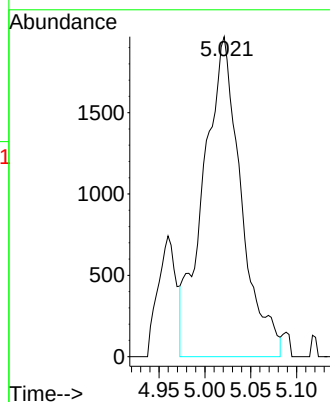
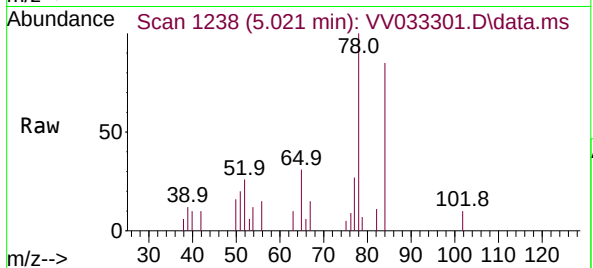




#33
Benzene
Concen: 0.166 ug/L
RT: 5.021 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV033301.D
Acq: 14 Dec 2023 01:32

Instrument :
MSVOA_V
ClientSampleId :
E0Y73

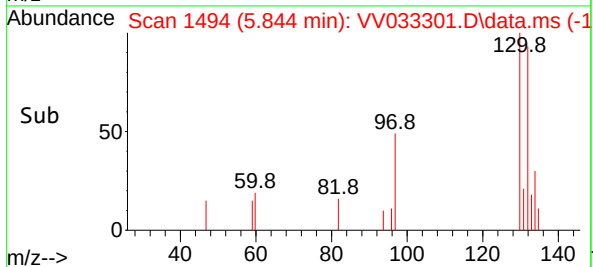
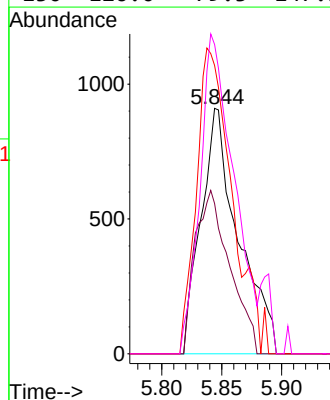
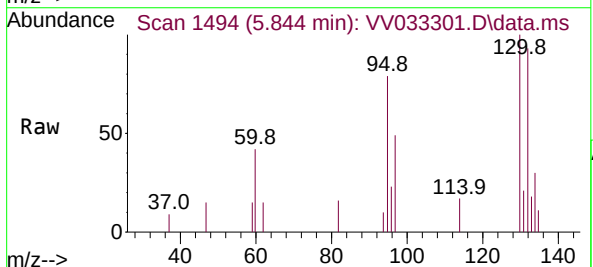
Tgt Ion: 78 Resp: 5609

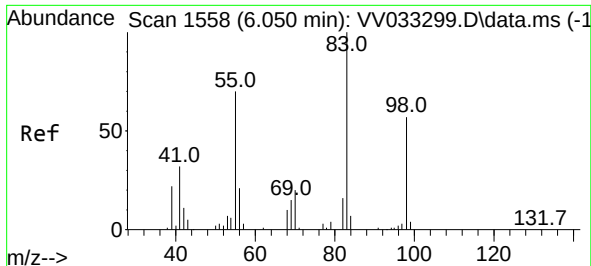


#34
Trichloroethene
Concen: 0.199 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. 0.010 min
Lab File: VV033301.D
Acq: 14 Dec 2023 01:32

Tgt Ion: 95 Resp: 1966

Ion	Ratio	Lower	Upper
95	100		
97	61.2	46.5	86.5
132	117.5	75.1	139.5
130	126.0	79.3	147.3

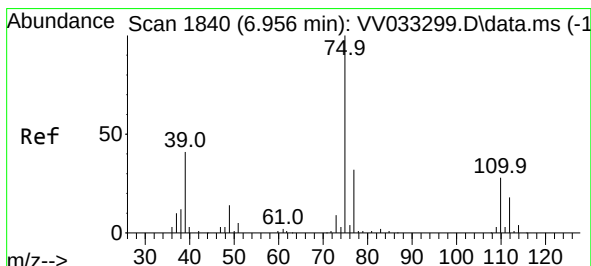
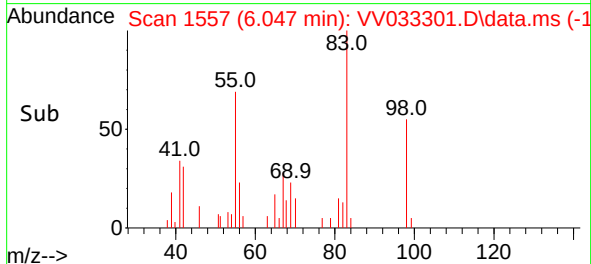
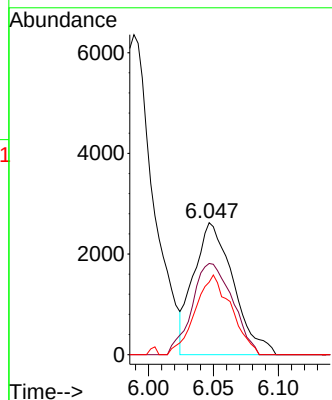
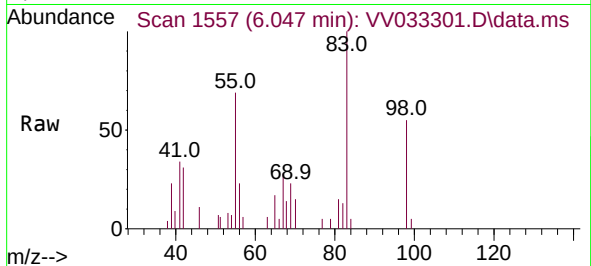




#35
Methylcyclohexane
Concen: 0.381 ug/L
RT: 6.047 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV033301.D
Acq: 14 Dec 2023 01:32

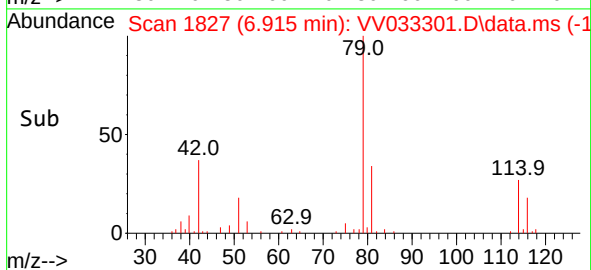
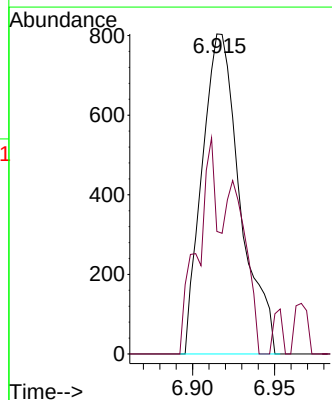
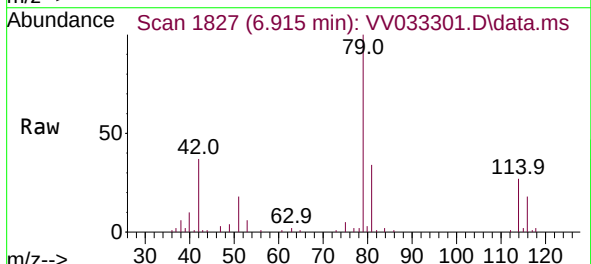
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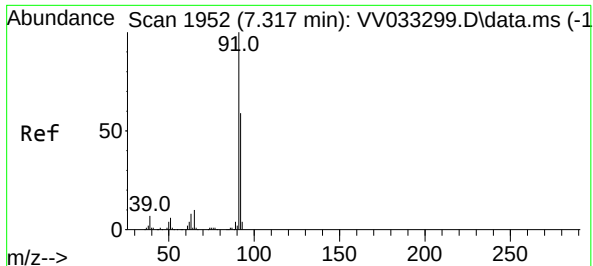
Tgt Ion: 83 Resp: 5562
Ion Ratio Lower Upper
83 100
55 70.4 50.7 76.1
98 55.1 42.4 63.6



#39
cis-1,3-Dichloropropene
Concen: 0.117 ug/L
RT: 6.915 min Scan# 1827
Delta R.T. -0.042 min
Lab File: VV033301.D
Acq: 14 Dec 2023 01:32

Tgt Ion: 75 Resp: 1296
Ion Ratio Lower Upper
75 100
77 38.3 22.1 41.1





#42

Toluene

Concen: 1.073 ug/L

RT: 7.320 min Scan# 1952

Delta R.T. 0.003 min

Lab File: VV033301.D

Acq: 14 Dec 2023 01:32

Instrument :

MSVOA_V

ClientSampleId :

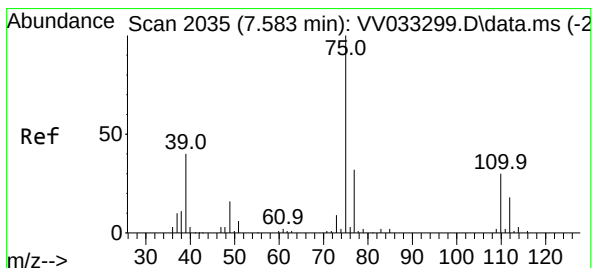
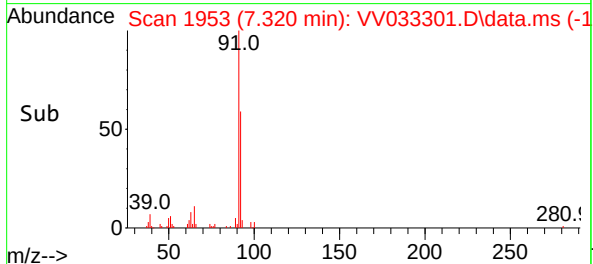
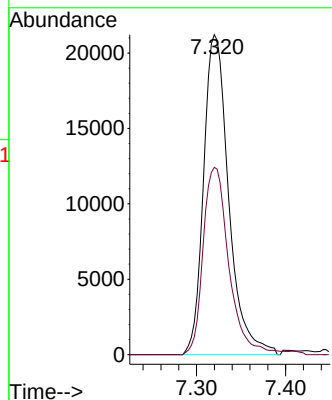
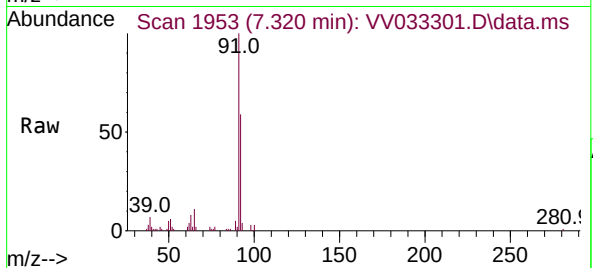
E0Y73

Tgt Ion: 91 Resp: 41536

Ion Ratio Lower Upper

91 100

92 58.5 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 7.558 min Scan# 2027

Delta R.T. -0.026 min

Lab File: VV033301.D

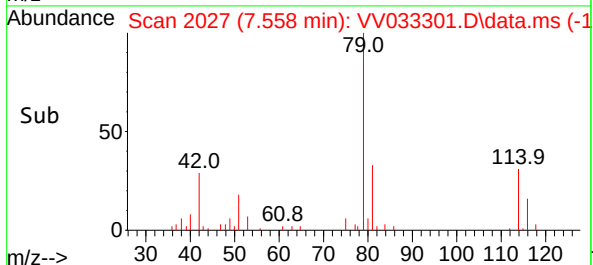
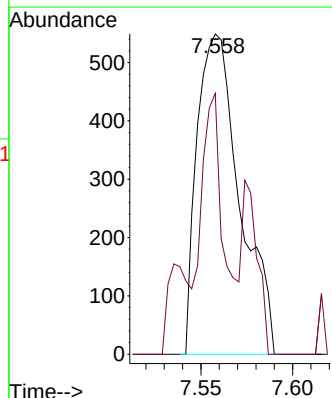
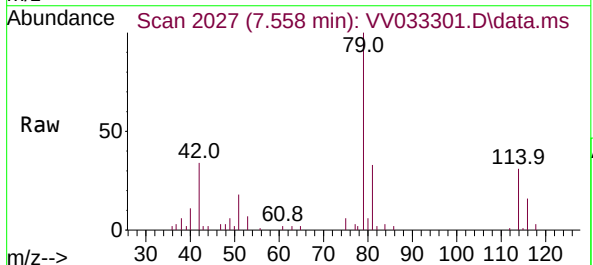
Acq: 14 Dec 2023 01:32

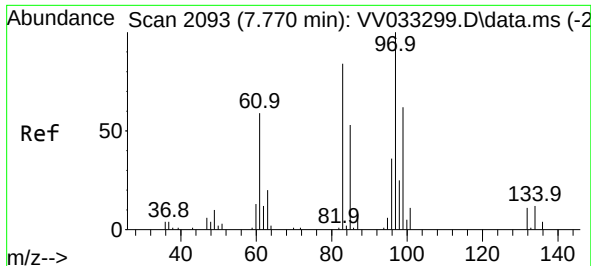
Tgt Ion: 75 Resp: 889

Ion Ratio Lower Upper

75 100

77 81.4 21.7 40.3#





#45

1,1,2-Trichloroethane

Concen: 0.093 ug/L

RT: 7.712 min Scan# 2093

Delta R.T. -0.058 min

Lab File: VV033301.D

Acq: 14 Dec 2023 01:32

Instrument :

MSVOA_V

ClientSampleId :

E0Y73

Tgt Ion: 97 Resp: 489

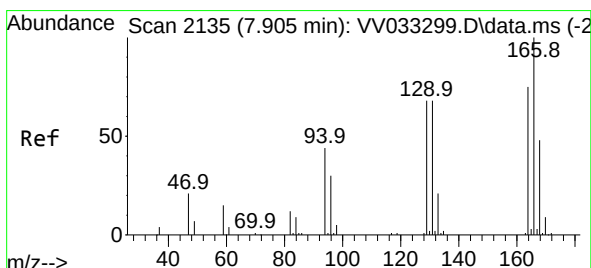
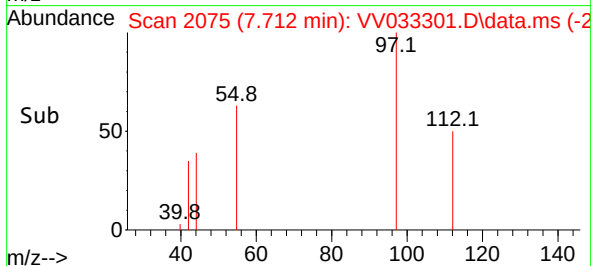
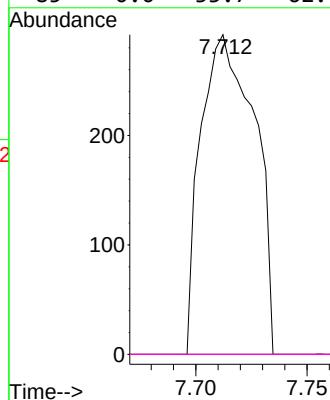
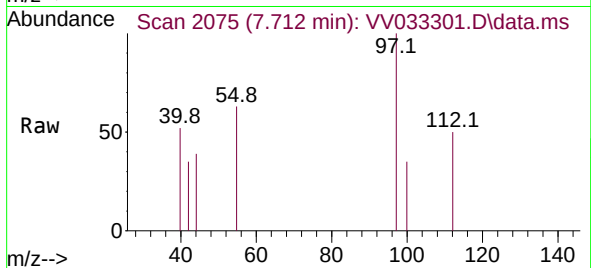
Ion Ratio Lower Upper

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: 0.099 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV033301.D

Acq: 14 Dec 2023 01:32

Tgt Ion: 164 Resp: 920

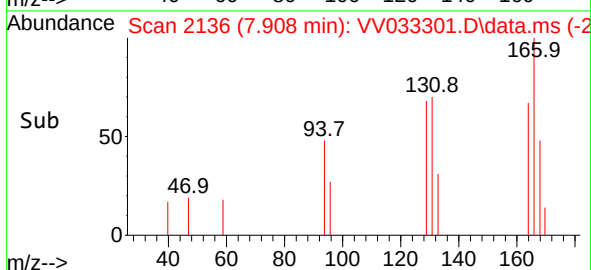
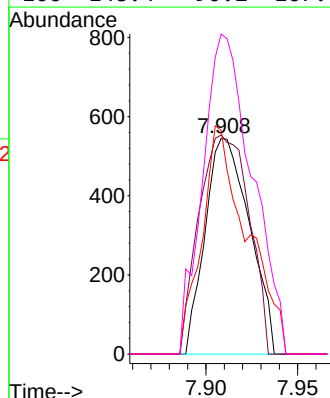
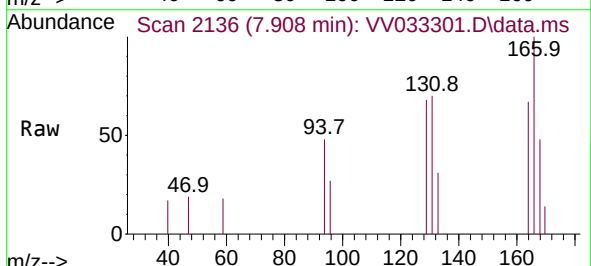
Ion Ratio Lower Upper

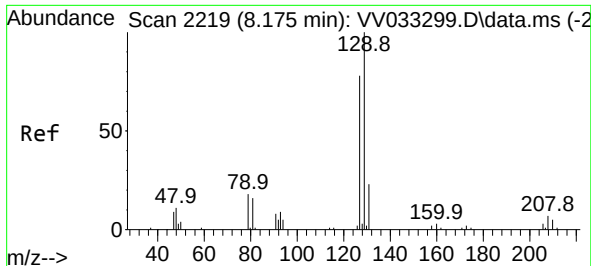
164 100

129 101.7 62.6 116.3

131 103.7 62.6 116.3

166 148.4 90.2 167.6





#49

Dibromochloromethane

Concen: 0.143 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.267 min

Lab File: VV033301.D

Acq: 14 Dec 2023 01:32

Instrument :

MSVOA_V

ClientSampleId :

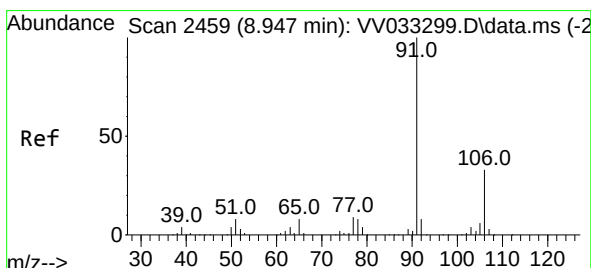
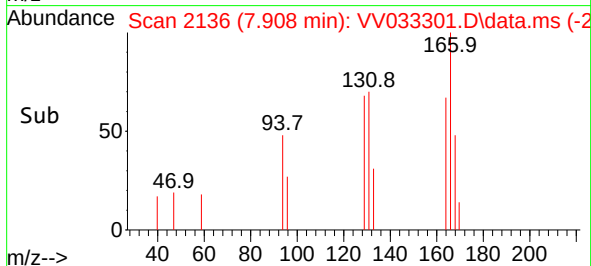
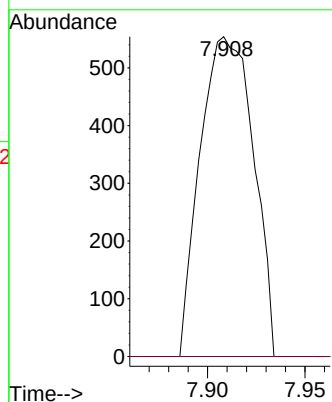
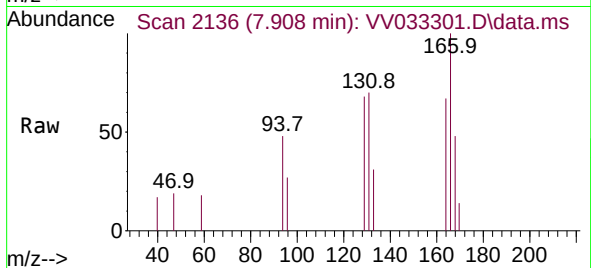
E0Y73

Tgt Ion:129 Resp: 1053

Ion Ratio Lower Upper

129 100

127 0.0 53.2 98.8#



#52

Ethylbenzene

Concen: 0.205 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.007 min

Lab File: VV033301.D

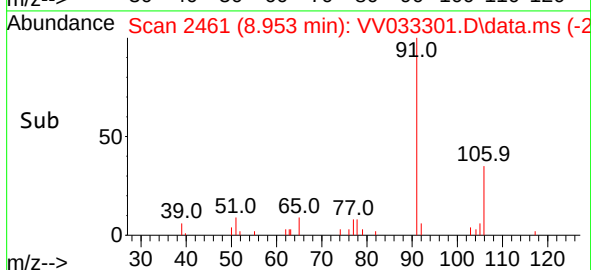
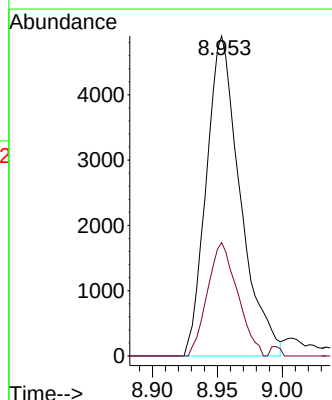
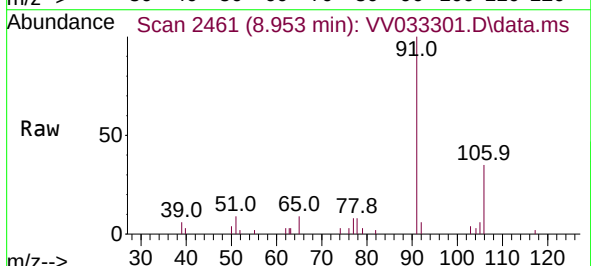
Acq: 14 Dec 2023 01:32

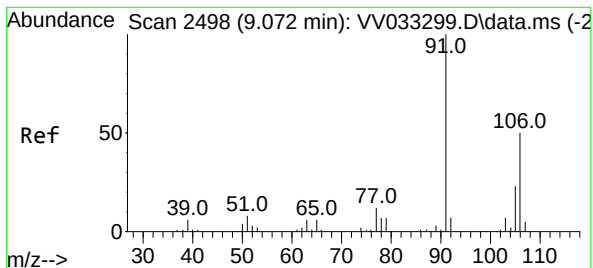
Tgt Ion: 91 Resp: 8884

Ion Ratio Lower Upper

91 100

106 35.4 22.7 42.3





#53

m,p-Xylene

Concen: 0.229 ug/L

RT: 9.079 min Scan# 21

Delta R.T. 0.007 min

Lab File: VV033301.D

Acq: 14 Dec 2023 01:32

Instrument :

MSVOA_V

ClientSampleId :

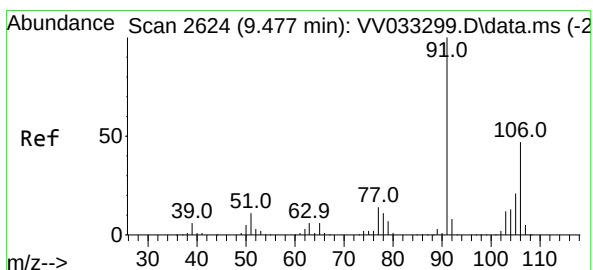
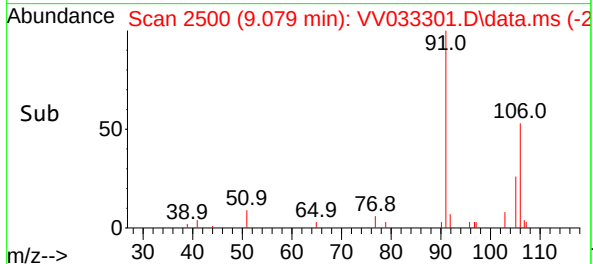
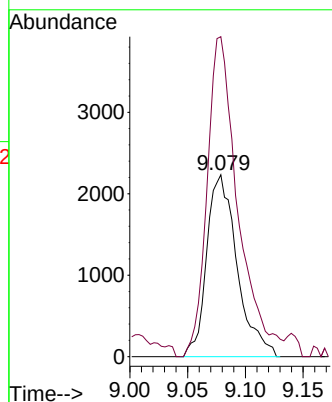
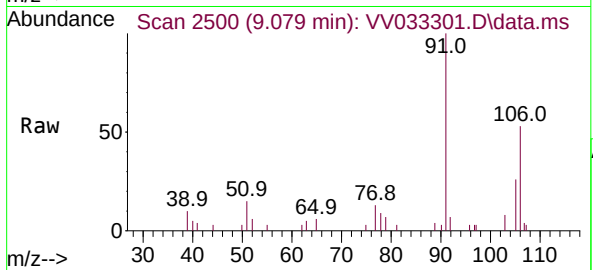
E0Y73

Tgt Ion:106 Resp: 4086

Ion Ratio Lower Upper

106 100

91 175.9 136.8 254.0



#54

o-Xylene

Concen: 0.107 ug/L

RT: 9.484 min Scan# 2626

Delta R.T. 0.007 min

Lab File: VV033301.D

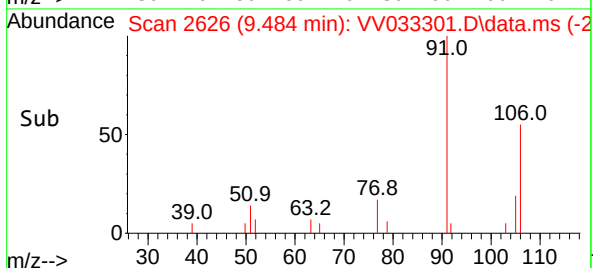
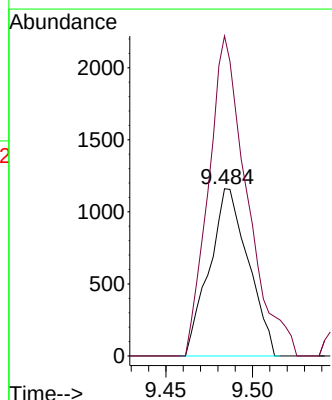
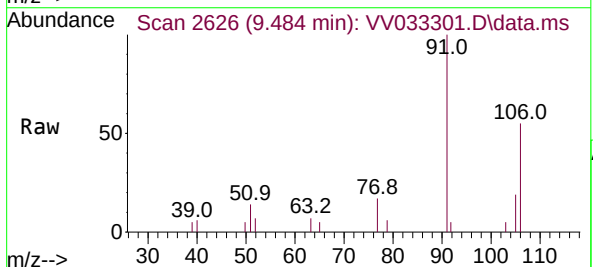
Acq: 14 Dec 2023 01:32

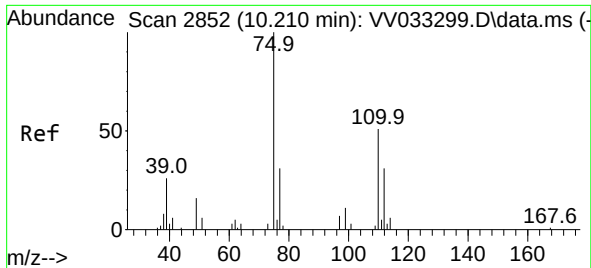
Tgt Ion:106 Resp: 1813

Ion Ratio Lower Upper

106 100

91 191.5 149.9 278.5

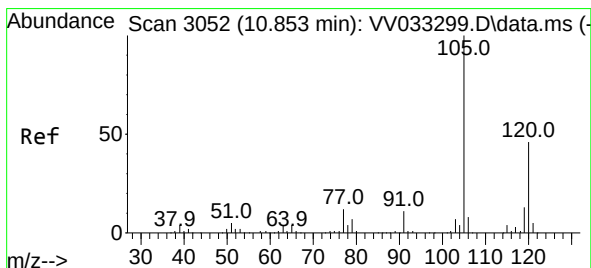
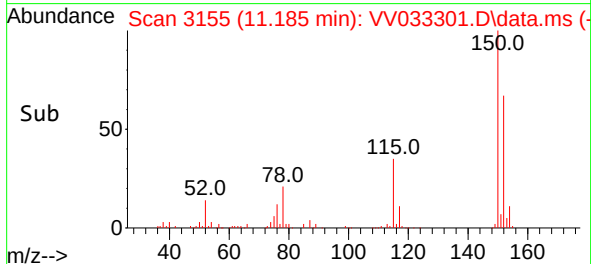
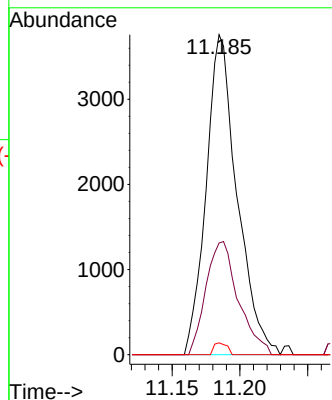
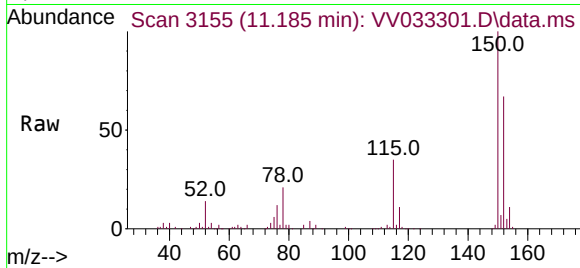




#61
1,2,3-Trichloropropane
Concen: 1.720 ug/L
RT: 11.185 min Scan# 3155
Delta R.T. 0.974 min
Lab File: VV033301.D
Acq: 14 Dec 2023 01:32

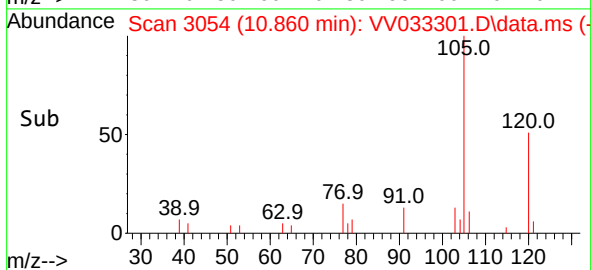
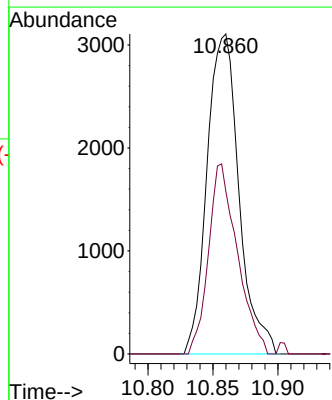
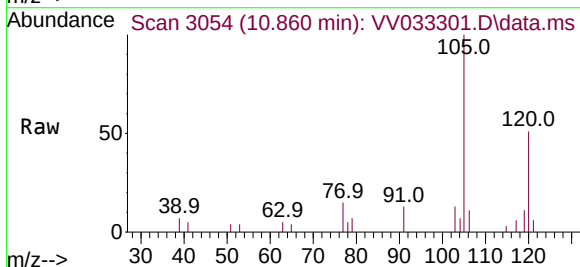
Instrument :
MSVOA_V
ClientSampleId :
E0Y73

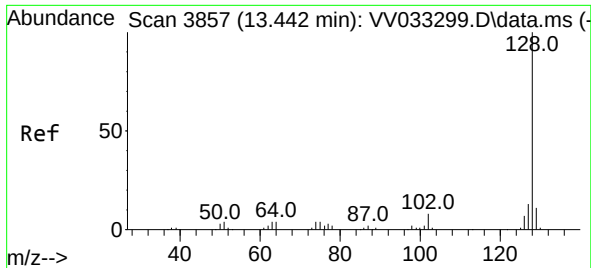
Tgt Ion: 75 Resp: 5955
Ion Ratio Lower Upper
75 100
77 37.0 27.4 41.2
110 1.6 39.4 59.2#



#63
1,2,4-Trimethylbenzene
Concen: 0.151 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.007 min
Lab File: VV033301.D
Acq: 14 Dec 2023 01:32

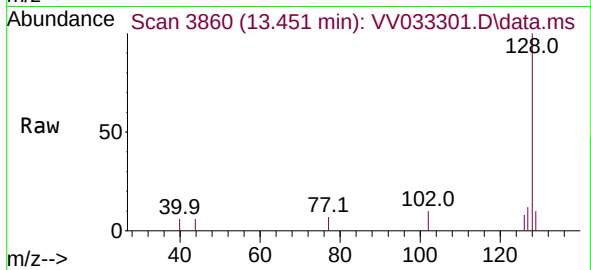
Tgt Ion: 105 Resp: 5301
Ion Ratio Lower Upper
105 100
120 53.8 38.1 57.1





#71
Naphthalene
Concen: 0.208 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.010 min
Lab File: VV033301.D
Acq: 14 Dec 2023 01:32

Instrument :
MSVOA_V
ClientSampleId :
E0Y73



Tgt Ion:128 Resp: 3260
Ion Ratio Lower Upper
128 100
129 2.9 8.8 13.2#
127 8.3 10.1 15.1#

