

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033291.D
 Acq On : 13 Dec 2023 21:09
 Operator : SY/MD
 Sample : 05731-17
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EOY63

Quant Time: Dec 13 23:36:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 23:30:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	121521	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	124074	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	61045	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	38291	4.915	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.400%
7) Chloroethane-d5	1.532	69	30721	5.302	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.000%
11) 1,1-Dichloroethene-d2	2.060	65	15480	4.993	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.800%
20) 2-Butanone-d5	3.802	46	43759	47.466	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.940%
24) Chloroform-d	4.246	84	87598	5.391	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.800%
26) 1,2-Dichloroethane-d4	4.944	65	39582	5.606	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.200%
32) Benzene-d6	4.960	84	162990	5.078	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%
36) 1,2-Dichloropropane-d6	5.989	67	38631	5.288	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.800%
41) Toluene-d8	7.243	98	153079	4.895	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
43) trans-1,3-Dichloroprop...	7.558	79	16688	5.007	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.200%
46) 2-Hexanone-d5	8.027	63	52625	56.560	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.120%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	26006	5.263	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.200%
66) 1,2-Dichlorobenzene-d4	11.561	152	61524	5.722	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.214	50	2228	0.257	ug/L	88
13) Acetone	2.137	43	2636	4.040	ug/L	93
15) Methyl Acetate	2.436	43	455	0.263	ug/L #	49
22) cis-1,2-Dichloroethene	3.825	96	1258	0.145	ug/L #	60
25) Chloroform	4.278	83	8170	0.524	ug/L	99
27) 1,2-Dichloroethane	4.963	62	923	0.108	ug/L #	72
33) Benzene	5.018	78	6884	0.207	ug/L	100
34) Trichloroethene	5.834	95	24052	2.481	ug/L	97
35) Methylcyclohexane	6.050	83	4113	0.286	ug/L #	72
37) 1,2-Dichloropropane	5.992	63	5329	0.797	ug/L #	81
38) Bromodichloromethane	6.445	83	1452	0.135	ug/L #	93
39) cis-1,3-Dichloropropene	6.918	75	1314	0.121	ug/L #	71
42) Toluene	7.323	91	29607	0.777	ug/L	96
47) Tetrachloroethene	7.908	164	1951	0.213	ug/L	83
52) Ethylbenzene	8.953	91	7897	0.185	ug/L	95
53) m,p-Xylene	9.079	106	3305	0.188	ug/L	82
54) o-Xylene	9.490	106	1281	0.077	ug/L	98
61) 1,2,3-Trichloropropane	11.188	75	5112	1.580	ug/L #	57
63) 1,2,4-Trimethylbenzene	10.860	105	3423	0.105	ug/L	99

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Quant Time: Dec 13 23:36:48 2023
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 13 23:30:39 2023
Response via : Initial Calibration

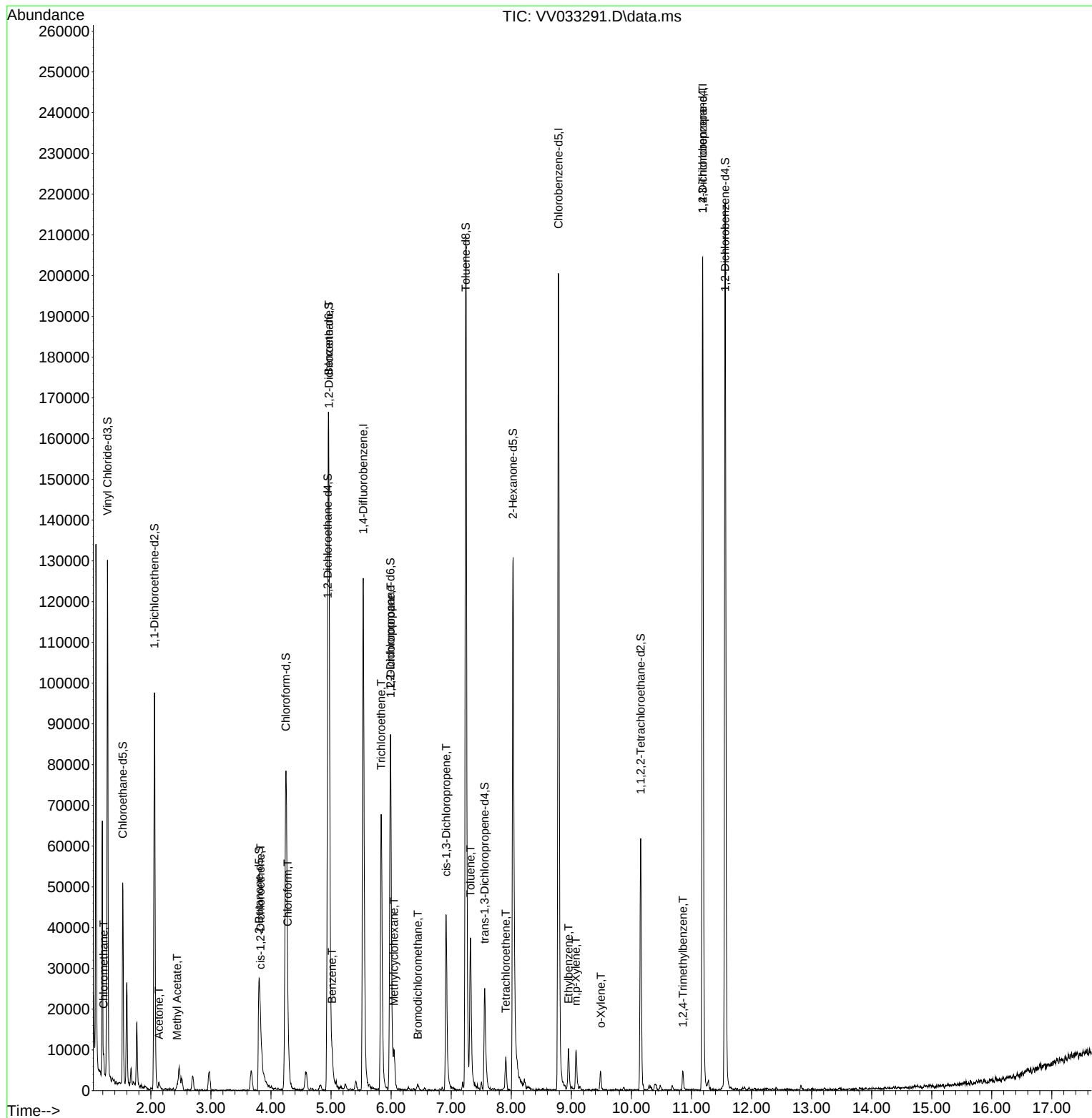
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

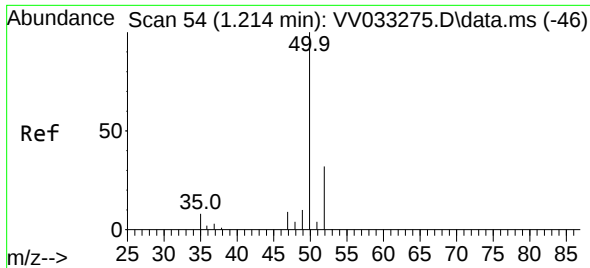
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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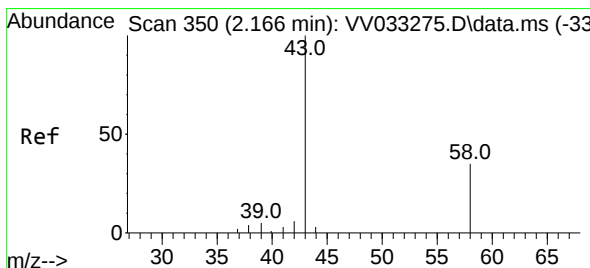
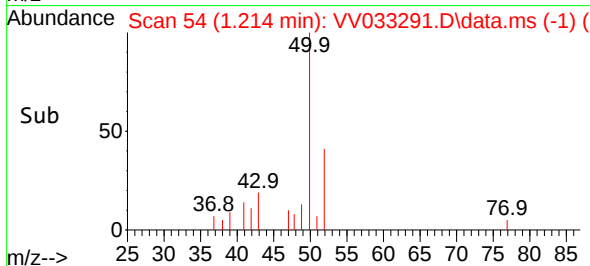
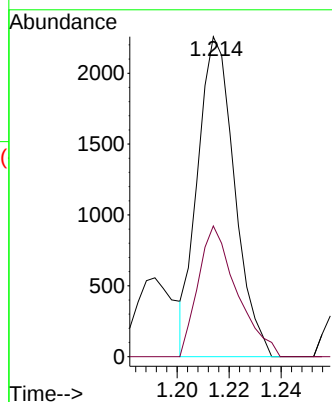
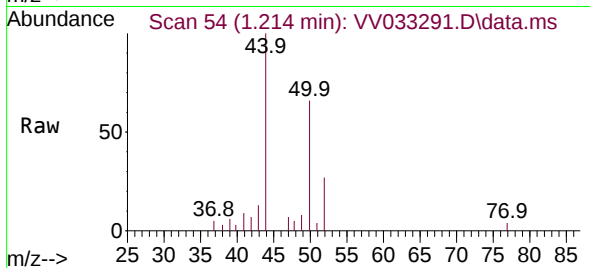




#3
Chloromethane
Concen: 0.257 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.000 min
Lab File: VV033291.D
Acq: 13 Dec 2023 21:09

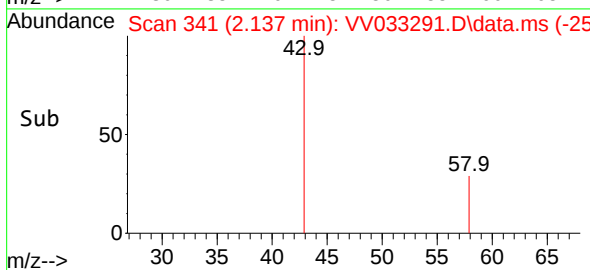
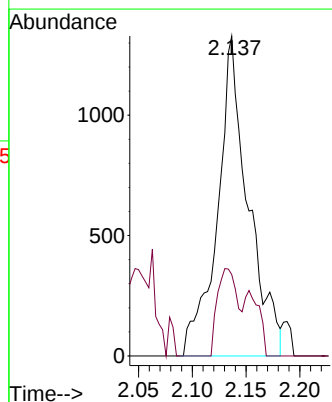
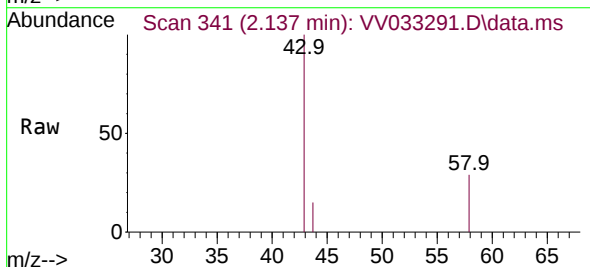
Instrument :
MSVOA_V
ClientSampleId :
E0Y63

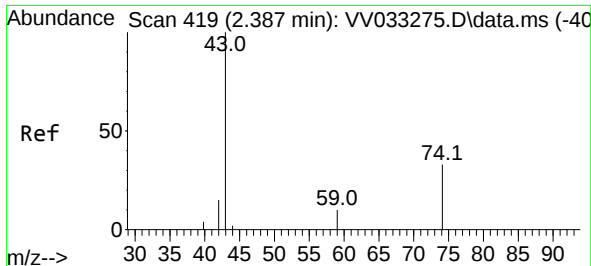
Tgt Ion: 50 Resp: 2228
Ion Ratio Lower Upper
50 100
52 40.8 23.8 44.2



#13
Acetone
Concen: 4.040 ug/L
RT: 2.137 min Scan# 341
Delta R.T. -0.029 min
Lab File: VV033291.D
Acq: 13 Dec 2023 21:09

Tgt Ion: 43 Resp: 2636
Ion Ratio Lower Upper
43 100
58 18.1 0.0 30.2

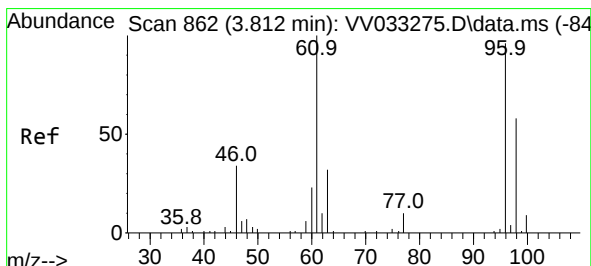
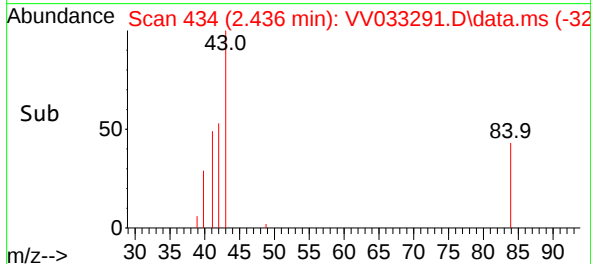
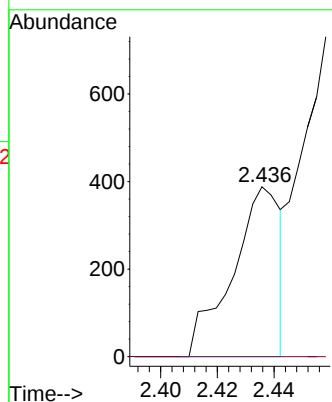
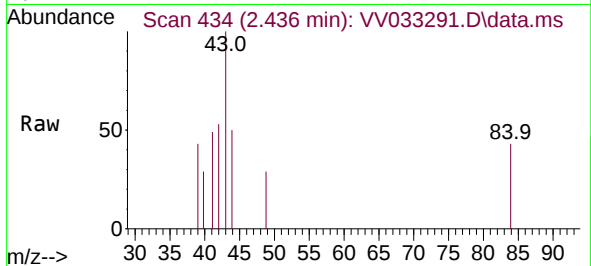




#15
Methyl Acetate
Concen: 0.263 ug/L
RT: 2.436 min Scan# 419
Delta R.T. 0.048 min
Lab File: VV033291.D
Acq: 13 Dec 2023 21:09

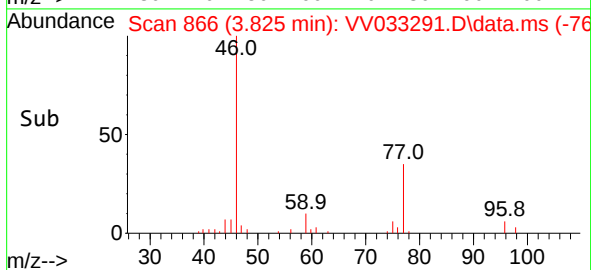
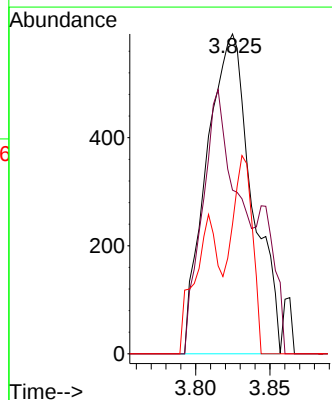
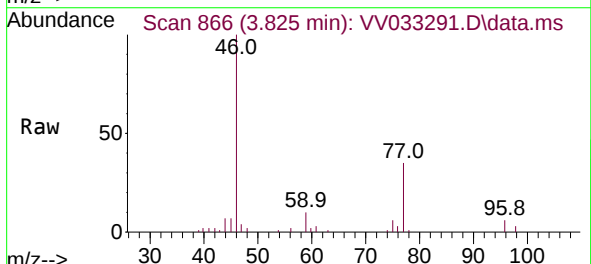
Instrument :
MSVOA_V
ClientSampleId :
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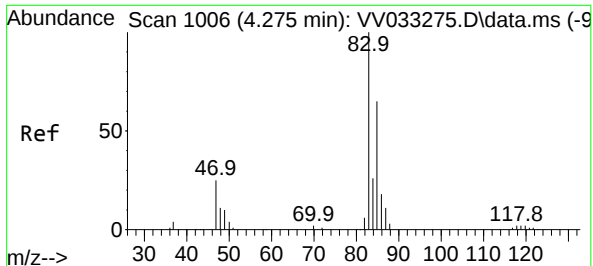
Tgt Ion: 43 Resp: 455
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.6#



#22
cis-1,2-Dichloroethene
Concen: 0.145 ug/L
RT: 3.825 min Scan# 866
Delta R.T. 0.013 min
Lab File: VV033291.D
Acq: 13 Dec 2023 21:09

Tgt Ion: 96 Resp: 1258
Ion Ratio Lower Upper
96 100
61 51.2 69.9 129.9#
98 40.5 42.4 78.8#

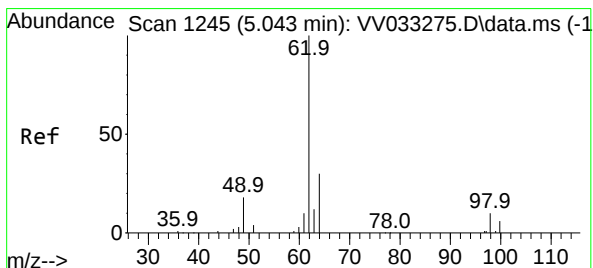
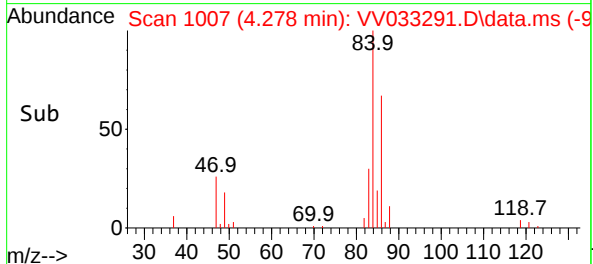
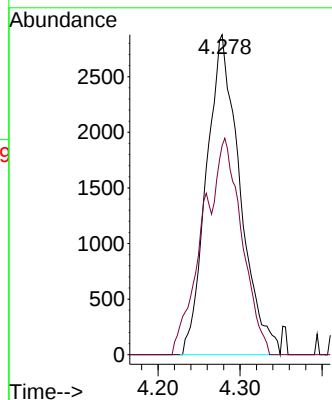
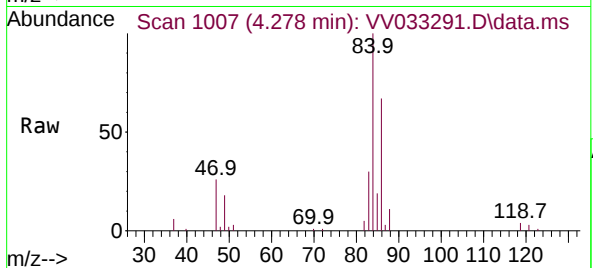




#25
Chloroform
Concen: 0.524 ug/L
RT: 4.278 min Scan# 1006
Delta R.T. 0.003 min
Lab File: VV033291.D
Acq: 13 Dec 2023 21:09

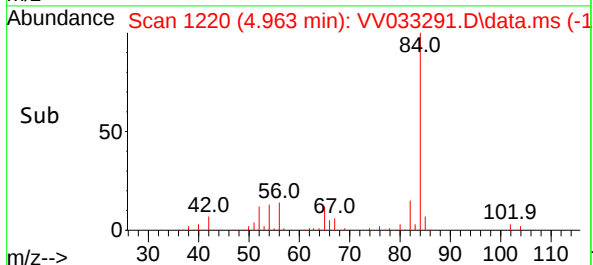
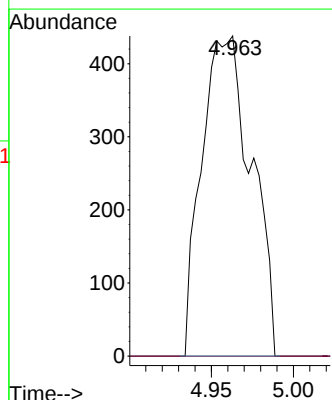
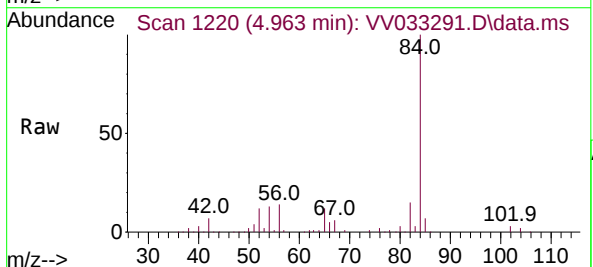
Instrument :
MSVOA_V
ClientSampleId :
E0Y63

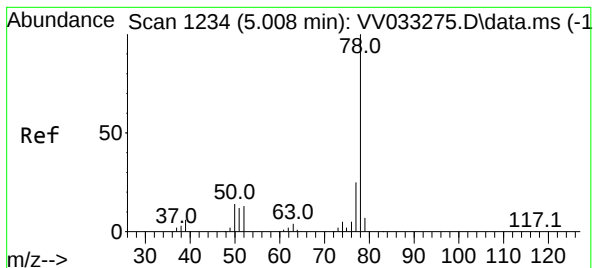
Tgt Ion: 83 Resp: 8170
Ion Ratio Lower Upper
83 100
85 65.4 45.3 84.1



#27
1,2-Dichloroethane
Concen: 0.108 ug/L
RT: 4.963 min Scan# 1220
Delta R.T. -0.080 min
Lab File: VV033291.D
Acq: 13 Dec 2023 21:09

Tgt Ion: 62 Resp: 923
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#





#33

Benzene

Concen: 0.207 ug/L

RT: 5.018 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV033291.D

Acq: 13 Dec 2023 21:09

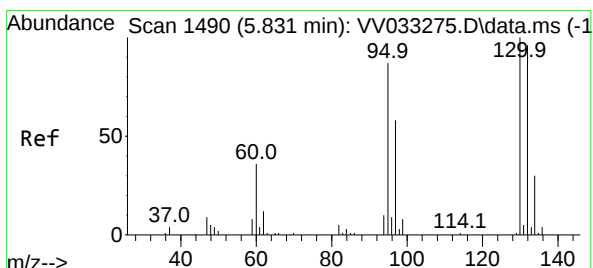
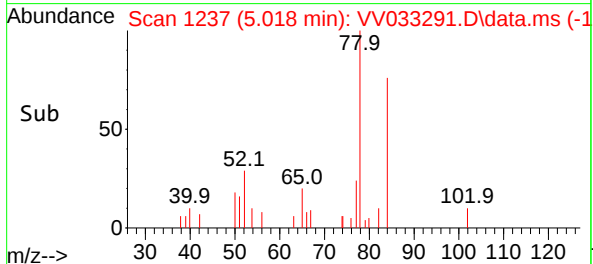
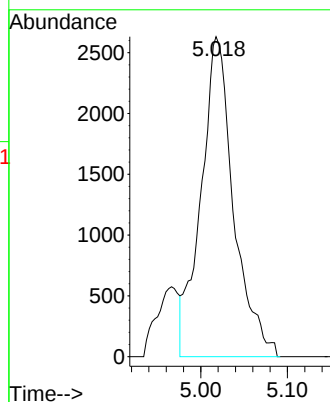
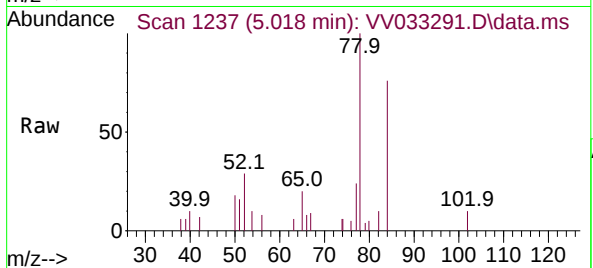
Instrument :

MSVOA_V

ClientSampleId :

E0Y63

Tgt Ion: 78 Resp: 6884



#34

Trichloroethene

Concen: 2.481 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV033291.D

Acq: 13 Dec 2023 21:09

Tgt Ion: 95 Resp: 24052

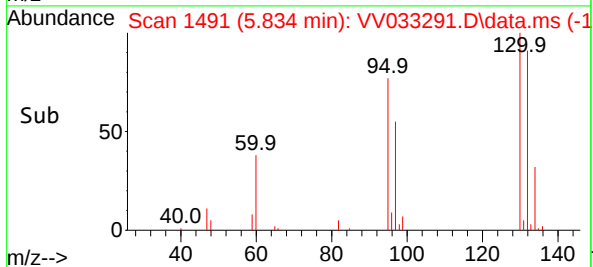
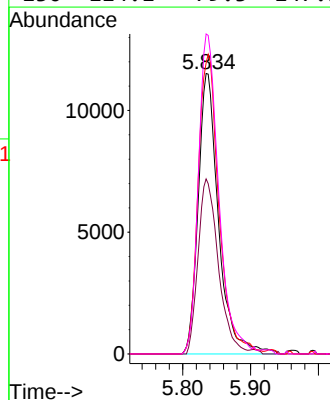
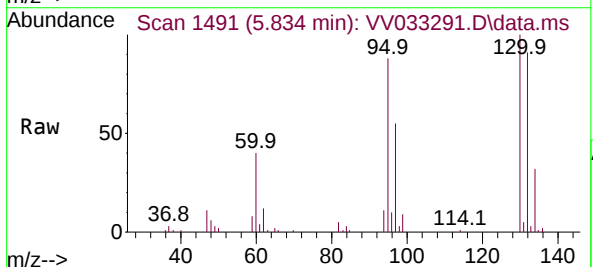
Ion Ratio Lower Upper

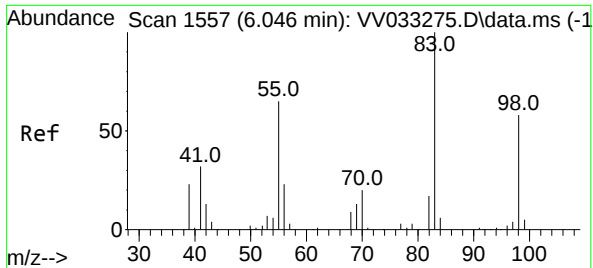
95 100

97 62.4 46.5 86.5

132 103.8 75.1 139.5

130 114.1 79.3 147.3

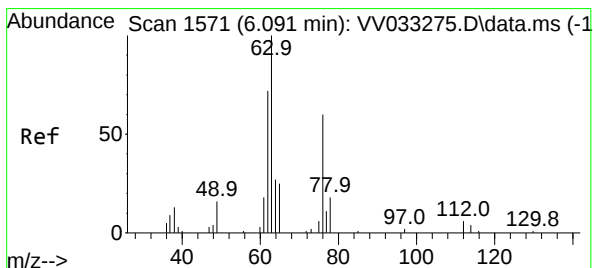
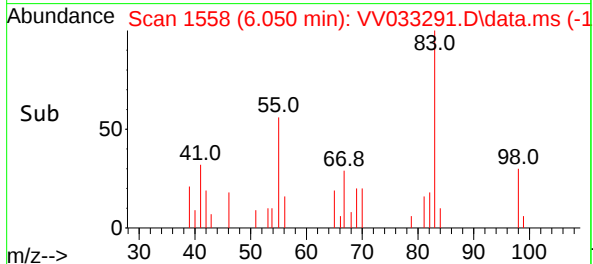
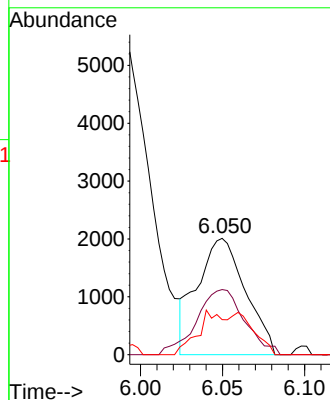
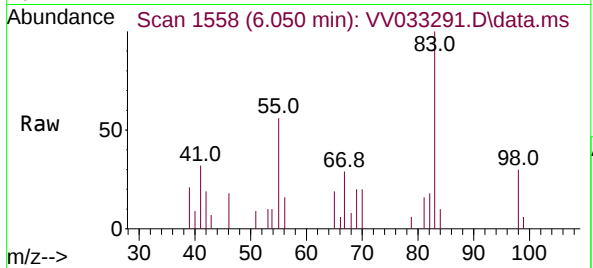




#35
Methylcyclohexane
Concen: 0.286 ug/L
RT: 6.050 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV033291.D
Acq: 13 Dec 2023 21:09

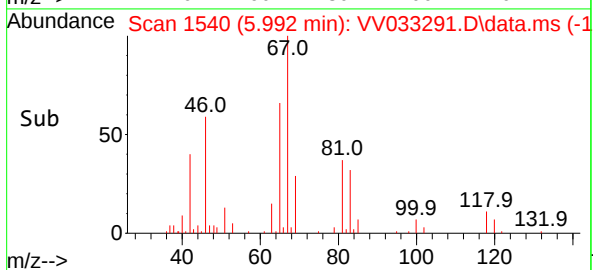
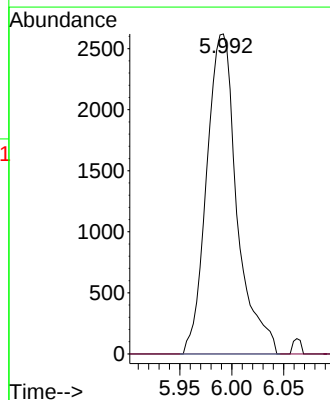
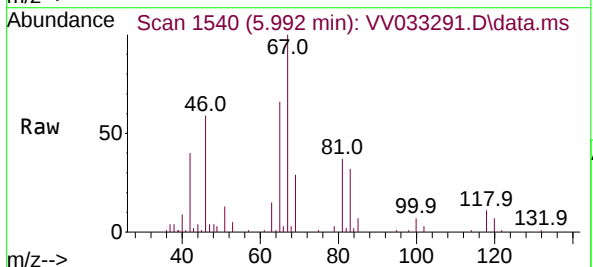
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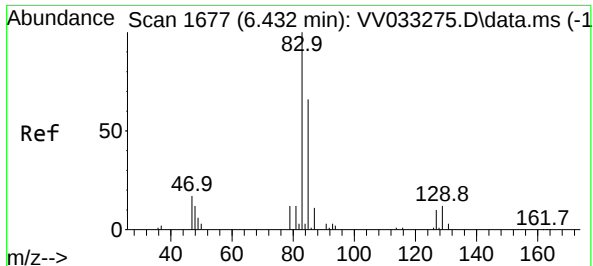
Tgt Ion: 83 Resp: 4113
Ion Ratio Lower Upper
83 100
55 55.6 50.7 76.1
98 17.4 42.4 63.6#



#37
1,2-Dichloropropane
Concen: 0.797 ug/L
RT: 5.992 min Scan# 1540
Delta R.T. -0.100 min
Lab File: VV033291.D
Acq: 13 Dec 2023 21:09

Tgt Ion: 63 Resp: 5329
Ion Ratio Lower Upper
63 100
112 0.0 5.0 7.6#

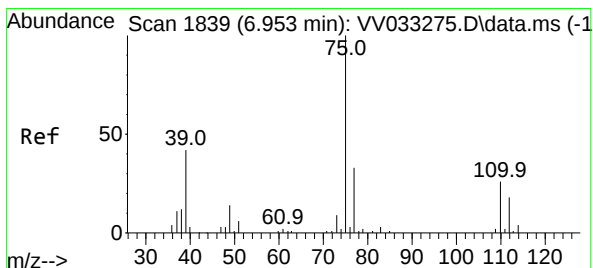
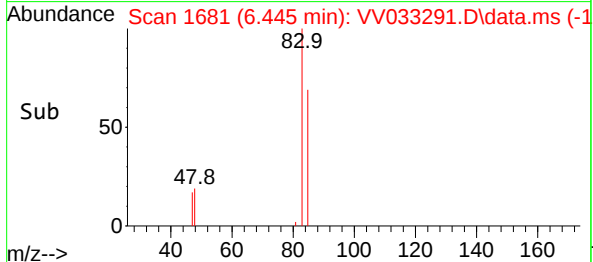
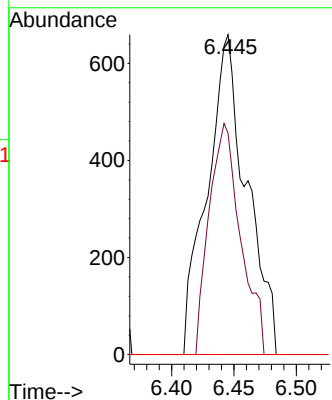
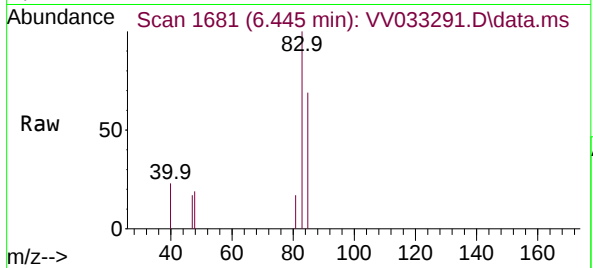




#38
Bromodichloromethane
Concen: 0.135 ug/L
RT: 6.445 min Scan# 1
Delta R.T. 0.013 min
Lab File: VV033291.D
Acq: 13 Dec 2023 21:09

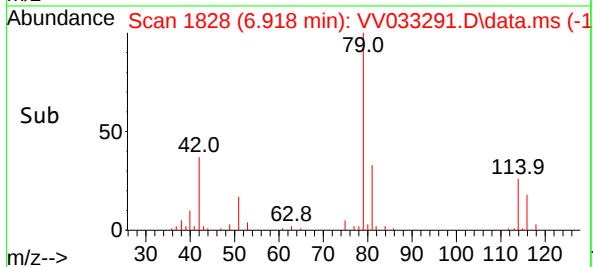
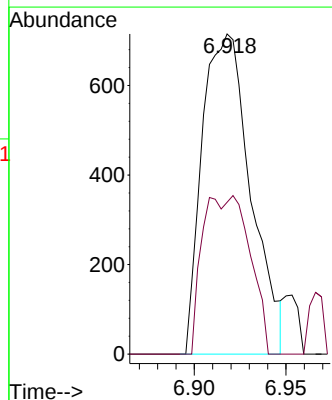
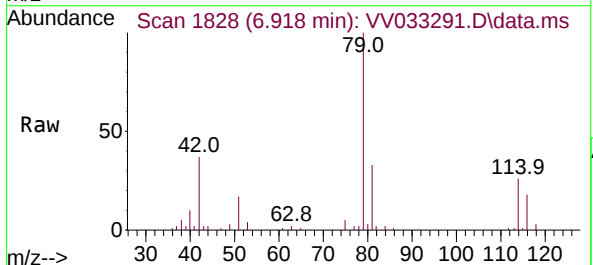
Instrument :
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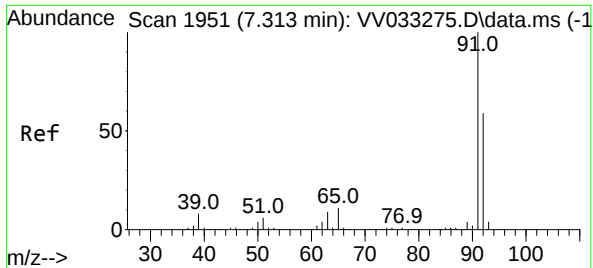
Tgt Ion: 83 Resp: 1452
Ion Ratio Lower Upper
83 100
85 69.2 46.6 86.6
127 0.0 8.6 13.0#



#39
cis-1,3-Dichloropropene
Concen: 0.121 ug/L
RT: 6.918 min Scan# 1828
Delta R.T. -0.035 min
Lab File: VV033291.D
Acq: 13 Dec 2023 21:09

Tgt Ion: 75 Resp: 1314
Ion Ratio Lower Upper
75 100
77 47.4 22.1 41.1#





#42

Toluene

Concen: 0.777 ug/L

RT: 7.323 min Scan# 1951

Delta R.T. 0.010 min

Lab File: VV033291.D

Acq: 13 Dec 2023 21:09

Instrument :

MSVOA_V

ClientSampleId :

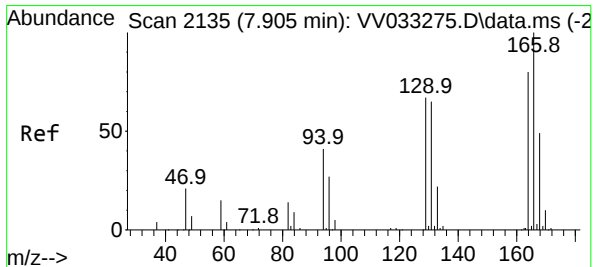
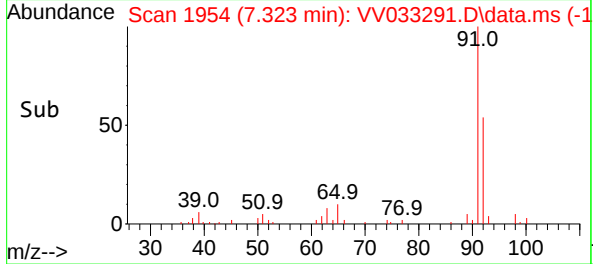
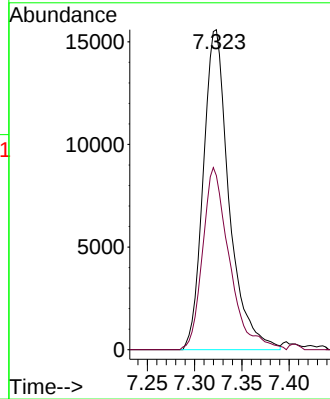
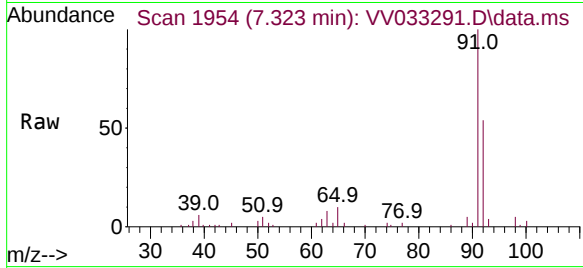
E0Y63

Tgt Ion: 91 Resp: 29607

Ion Ratio Lower Upper

91 100

92 54.4 40.2 74.6



#47

Tetrachloroethene

Concen: 0.213 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV033291.D

Acq: 13 Dec 2023 21:09

Tgt Ion: 164 Resp: 1951

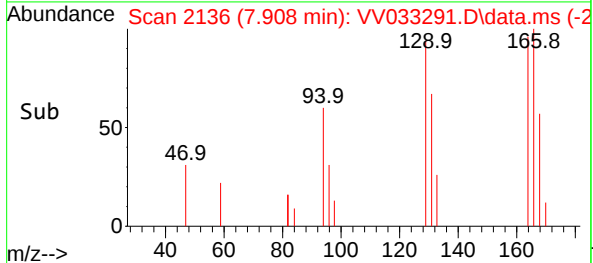
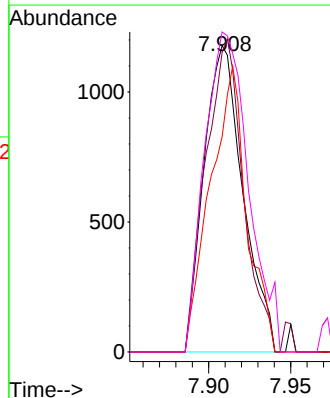
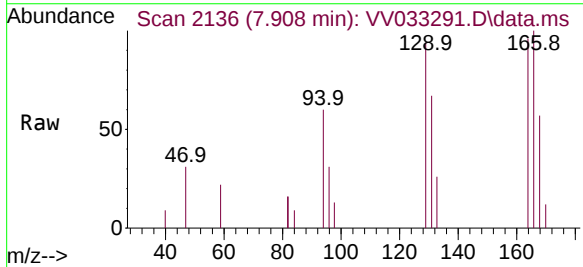
Ion Ratio Lower Upper

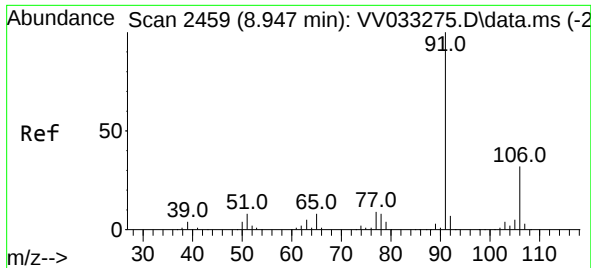
164 100

129 97.8 62.6 116.3

131 70.2 62.6 116.3

166 104.4 90.2 167.6

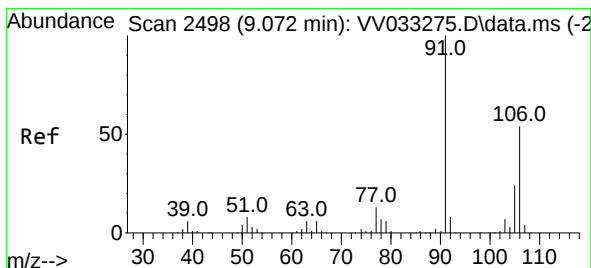
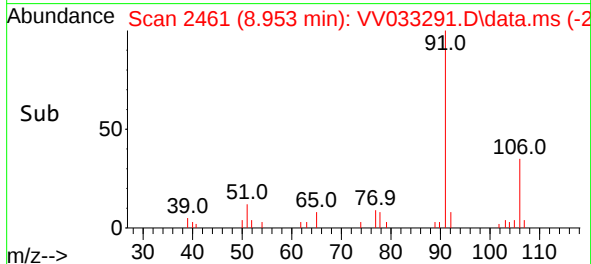
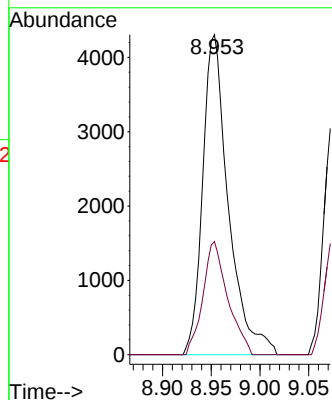
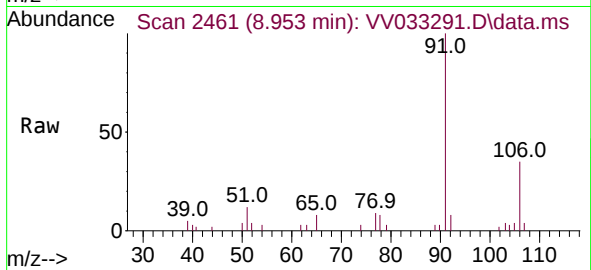




#52
Ethylbenzene
Concen: 0.185 ug/L
RT: 8.953 min Scan# 2459
Delta R.T. 0.006 min
Lab File: VV033291.D
Acq: 13 Dec 2023 21:09

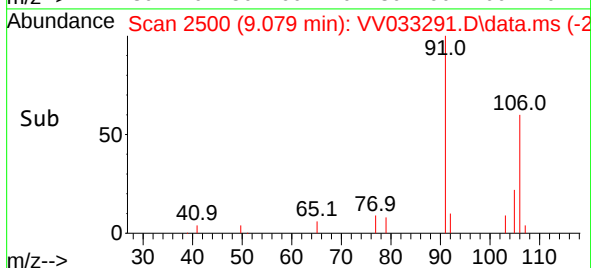
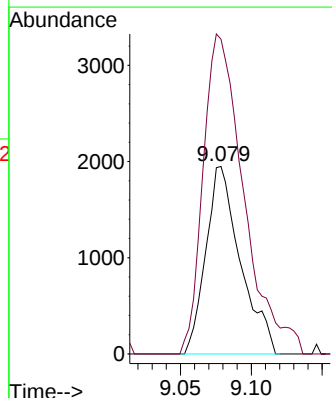
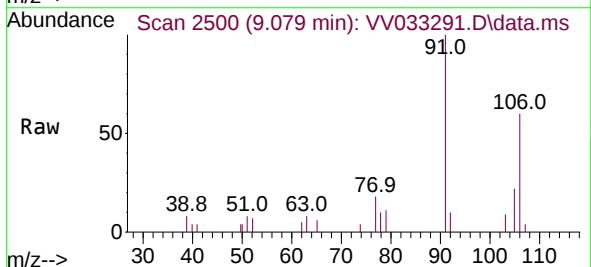
Instrument :
MSVOA_V
ClientSampleId :
E0Y63

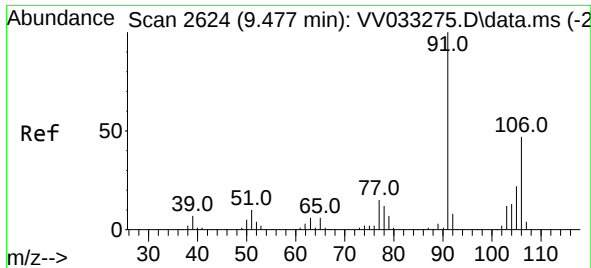
Tgt Ion: 91 Resp: 7897
Ion Ratio Lower Upper
91 100
106 35.3 22.7 42.3



#53
m,p-Xylene
Concen: 0.188 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.006 min
Lab File: VV033291.D
Acq: 13 Dec 2023 21:09

Tgt Ion: 106 Resp: 3305
Ion Ratio Lower Upper
106 100
91 167.8 136.8 254.0

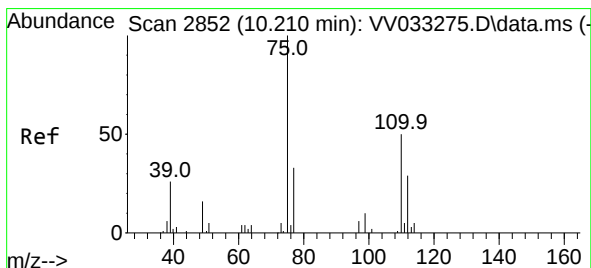
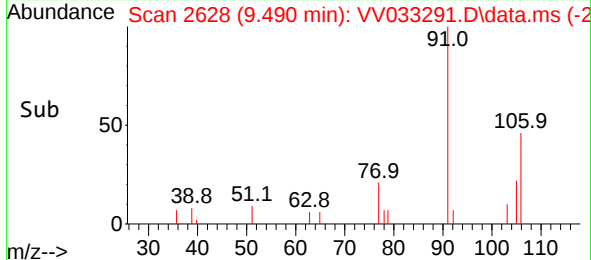
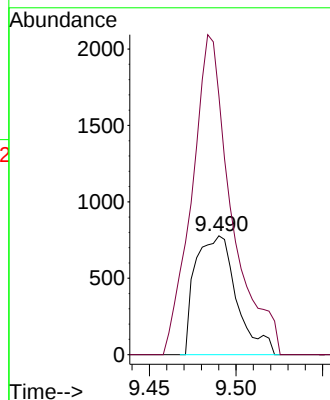
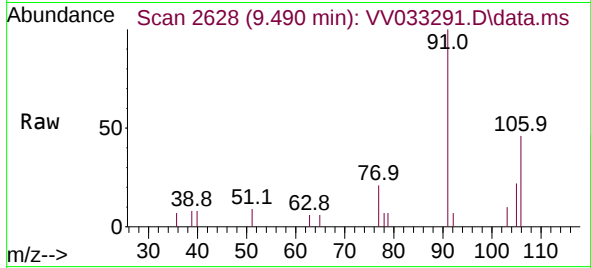




#54
o-Xylene
Concen: 0.077 ug/L
RT: 9.490 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV033291.D
Acq: 13 Dec 2023 21:09

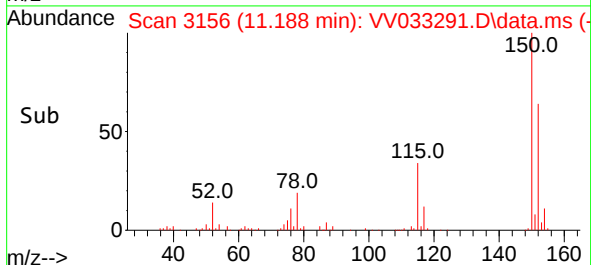
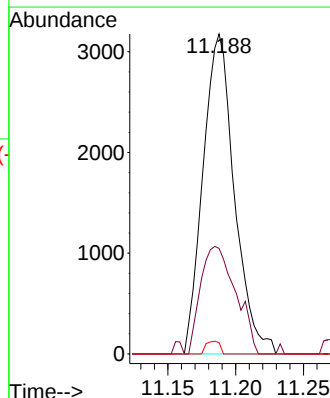
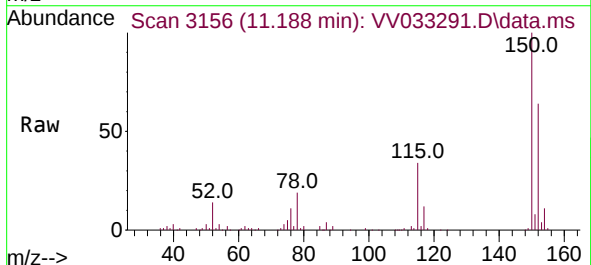
Instrument :
MSVOA_V
ClientSampleId :
E0Y63

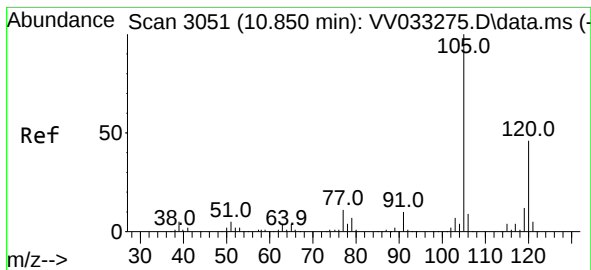
Tgt Ion:106 Resp: 1281
Ion Ratio Lower Upper
106 100
91 217.6 149.9 278.5



#61
1,2,3-Trichloropropane
Concen: 1.580 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.977 min
Lab File: VV033291.D
Acq: 13 Dec 2023 21:09

Tgt Ion: 75 Resp: 5112
Ion Ratio Lower Upper
75 100
77 37.7 27.4 41.2
110 1.7 39.4 59.2#





#63

1,2,4-Trimethylbenzene

Concen: 0.105 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.010 min

Lab File: VV033291.D

Acq: 13 Dec 2023 21:09

Instrument :

MSVOA_V

ClientSampleId :

E0Y63

Tgt Ion:105 Resp: 3423

Ion Ratio Lower Upper

105 100

120 48.1 38.1 57.1

