

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033282.D
 Acq On : 13 Dec 2023 17:34
 Operator : SY/MD
 Sample : 05731-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EOY54

Quant Time: Dec 13 23:34:09 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	5.551	114	157616	5.000	ug/L	0.02
28) Chlorobenzene-d5	8.808	117	151004	5.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.191	152	72713	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.288	65	40216	3.980	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.600%
7) Chloroethane-d5	1.551	69	29352	3.906	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.200%
11) 1,1-Dichloroethene-d2	2.076	65	16453	4.091	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.800%
20) 2-Butanone-d5	3.950	46	26068	21.801	ug/L	0.12
Spiked Amount	50.000	Range	40 - 130	Recovery	=	43.600%
24) Chloroform-d	4.288	84	78631	3.731	ug/L	0.04
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.600%
26) 1,2-Dichloroethane-d4	4.969	65	43580	4.759	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
32) Benzene-d6	4.973	84	162220	4.153	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.000%
36) 1,2-Dichloropropane-d6	6.034	67	36303	4.083	ug/L	0.05
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.600%
41) Toluene-d8	7.291	98	138312	3.634	ug/L	0.05
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.600%
43) trans-1,3-Dichloroprop...	7.593	79	15271	3.765	ug/L	0.04
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.200%
46) 2-Hexanone-d5	8.066	63	38606	34.093	ug/L	0.04
Spiked Amount	50.000	Range	45 - 130	Recovery	=	68.180%
56) 1,1,2,2-Tetrachloroeth...	10.165	84	21569	3.587	ug/L	0.01
Spiked Amount	5.000	Range	65 - 120	Recovery	=	71.800%
66) 1,2-Dichlorobenzene-d4	11.567	152	56436	4.407	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	1201	0.107	ug/L	85
5) Vinyl chloride	1.294	62	1755	0.154	ug/L #	73
18) trans-1,2-Dichloroethene	2.728	96	1907	0.175	ug/L	96
22) cis-1,2-Dichloroethene	3.850	96	61211	5.423	ug/L	95
33) Benzene	5.021	78	8774	0.217	ug/L	100
34) Trichloroethene	5.860	95	7571	0.642	ug/L	92
35) Methylcyclohexane	6.040	83	11342	0.649	ug/L #	22
37) 1,2-Dichloropropane	6.030	63	4965	0.610	ug/L #	81
39) cis-1,3-Dichloropropene	6.969	75	1063	0.080	ug/L #	13
42) Toluene	7.365	91	19386	0.418	ug/L	100
47) Tetrachloroethene	7.944	164	2376	0.213	ug/L	93
49) Dibromochloromethane	7.940	129	2153	0.245	ug/L #	11
51) Chlorobenzene	8.837	112	31401	0.989	ug/L	99
52) Ethylbenzene	8.969	91	4760	0.092	ug/L	95
53) m,p-Xylene	9.098	106	3067	0.144	ug/L	71
61) 1,2,3-Trichloropropane	11.191	75	7354	1.908	ug/L #	59
65) 1,4-Dichlorobenzene	11.217	146	5803	0.238	ug/L	93
67) 1,2-Dichlorobenzene	11.586	146	2411	0.114	ug/L #	91

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ALS Vial : 16 Sample Multiplier: 1

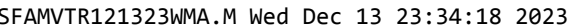
Instrument :
MSVOA_V
ClientSampleId :
E0Y54

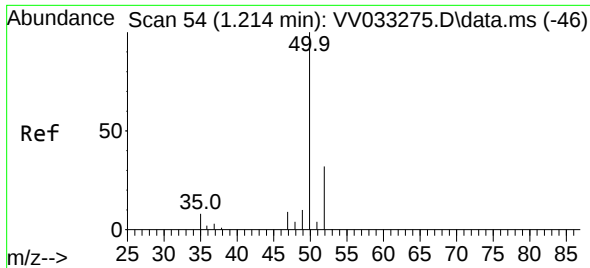
Quant Time: Dec 13 23:34:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 13 23:30:39 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Dec 13 23:34:09 2023
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 13 23:30:39 2023
Response via : Initial Calibration

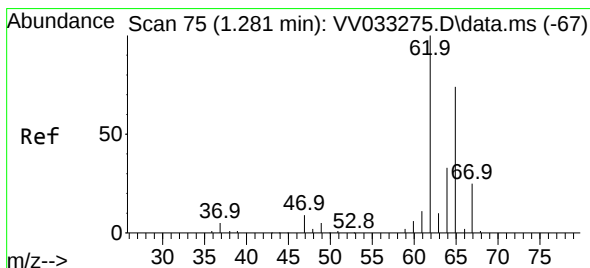
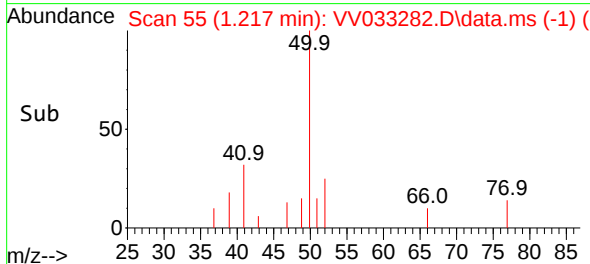
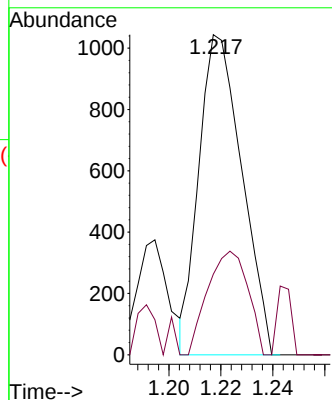
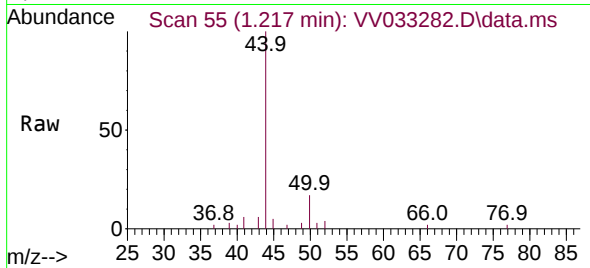




#3
Chloromethane
Concen: 0.107 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV033282.D
Acq: 13 Dec 2023 17:34

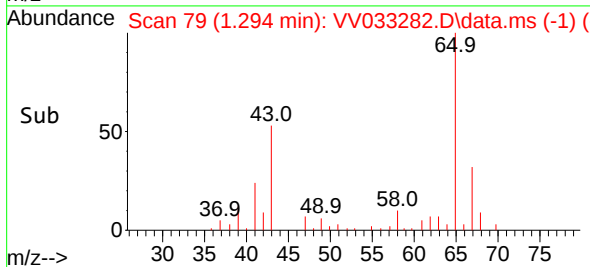
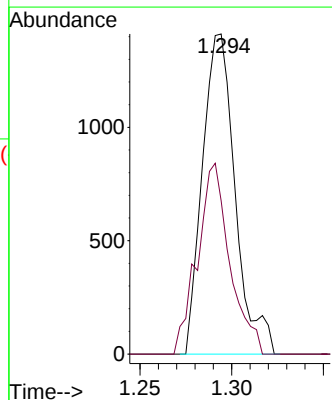
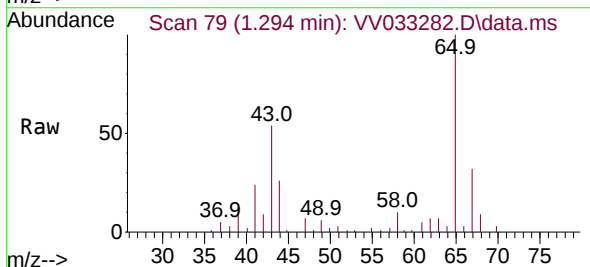
Instrument :
MSVOA_V
ClientSampleId :
E0Y54

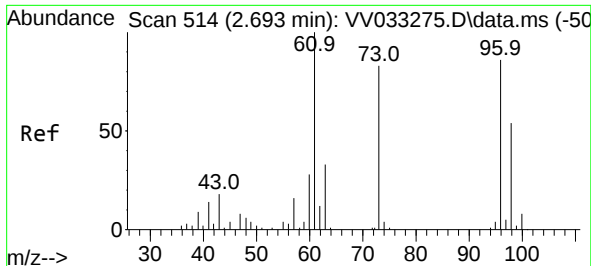
Tgt Ion: 50 Resp: 1201
Ion Ratio Lower Upper
50 100
52 25.2 23.8 44.2



#5
Vinyl chloride
Concen: 0.154 ug/L
RT: 1.294 min Scan# 79
Delta R.T. 0.013 min
Lab File: VV033282.D
Acq: 13 Dec 2023 17:34

Tgt Ion: 62 Resp: 1755
Ion Ratio Lower Upper
62 100
64 47.9 23.0 42.8#

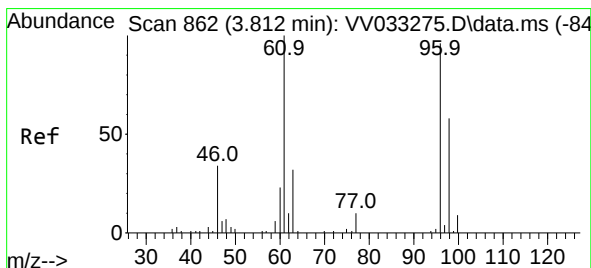
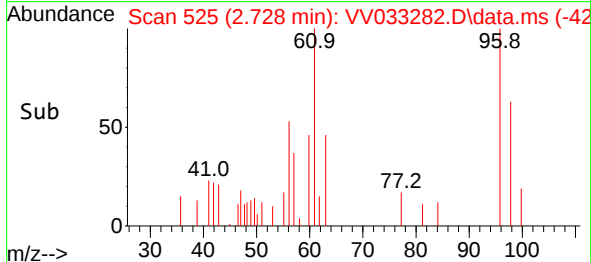
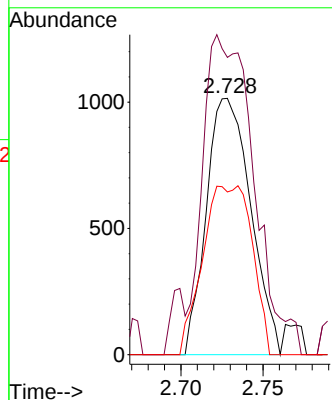
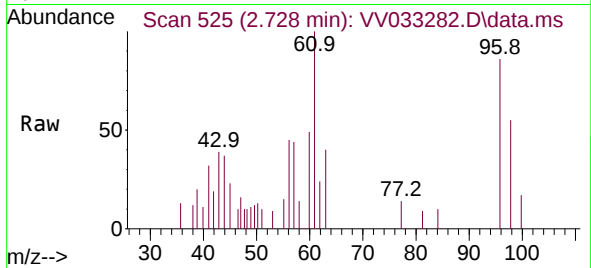




#18
trans-1,2-Dichloroethene
Concen: 0.175 ug/L
RT: 2.728 min Scan# 514
Delta R.T. 0.035 min
Lab File: VV033282.D
Acq: 13 Dec 2023 17:34

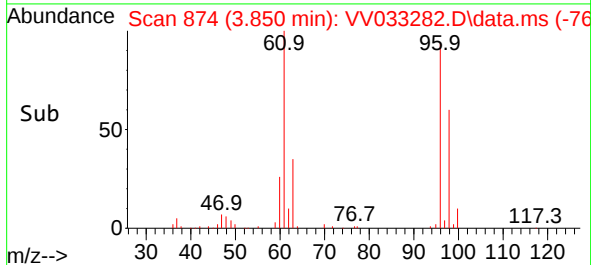
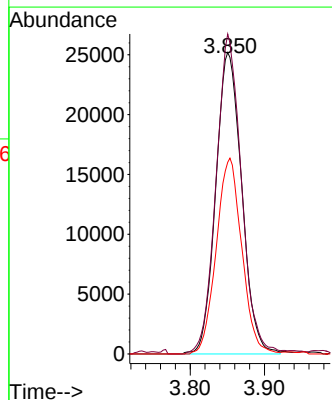
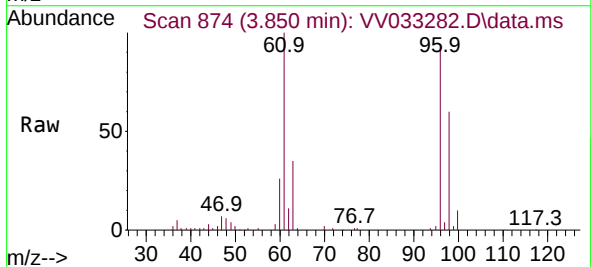
Instrument :
MSVOA_V
ClientSampleId :
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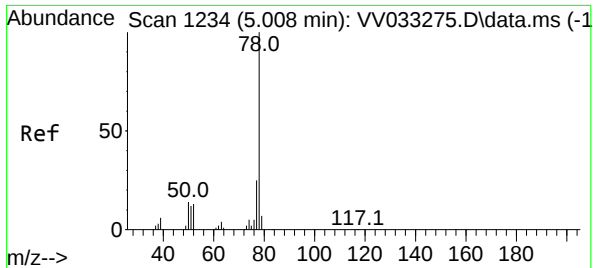
Tgt Ion: 96 Resp: 1907
Ion Ratio Lower Upper
96 100
61 116.0 84.6 157.2
98 63.4 46.7 86.7



#22
cis-1,2-Dichloroethene
Concen: 5.423 ug/L
RT: 3.850 min Scan# 874
Delta R.T. 0.039 min
Lab File: VV033282.D
Acq: 13 Dec 2023 17:34

Tgt Ion: 96 Resp: 61211
Ion Ratio Lower Upper
96 100
61 106.2 69.9 129.9
98 63.6 42.4 78.8

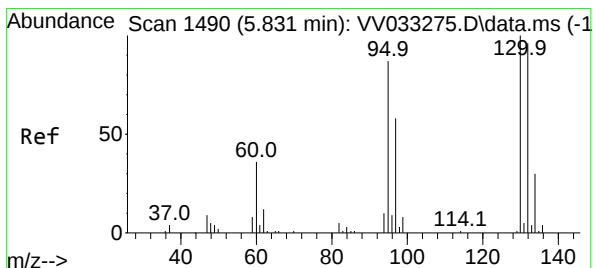
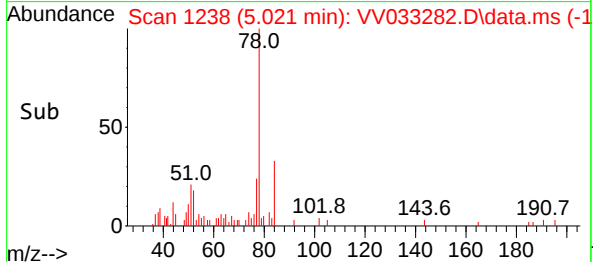
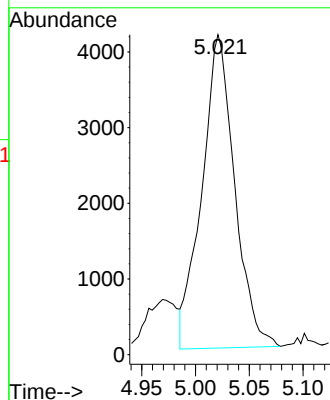
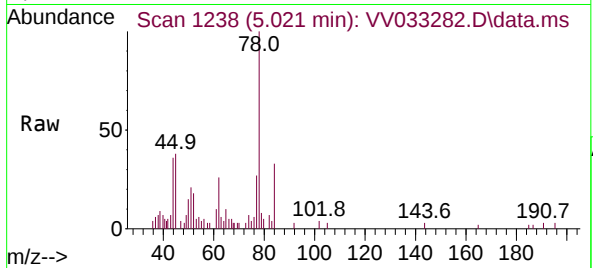




#33
Benzene
Concen: 0.217 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.013 min
Lab File: VV033282.D
Acq: 13 Dec 2023 17:34

Instrument :
MSVOA_V
ClientSampleId :
E0Y54

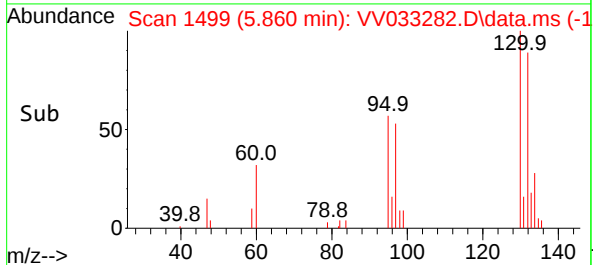
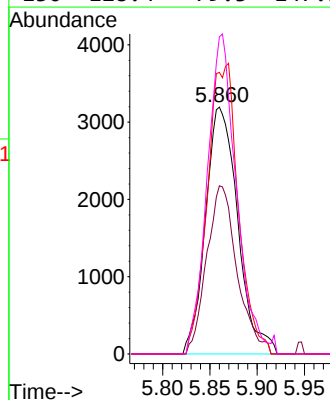
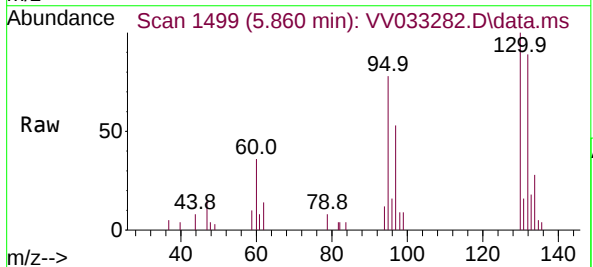
Tgt Ion: 78 Resp: 8774

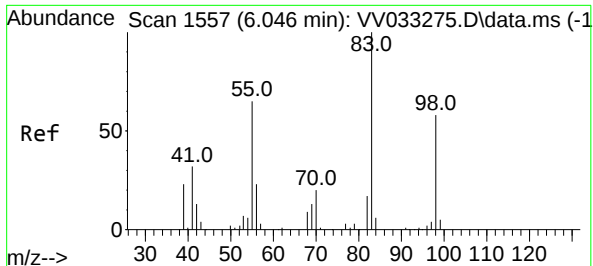


#34
Trichloroethene
Concen: 0.642 ug/L
RT: 5.860 min Scan# 1499
Delta R.T. 0.029 min
Lab File: VV033282.D
Acq: 13 Dec 2023 17:34

Tgt Ion: 95 Resp: 7571

Ion	Ratio	Lower	Upper
95	100		
97	68.1	46.5	86.5
132	114.1	75.1	139.5
130	128.4	79.3	147.3

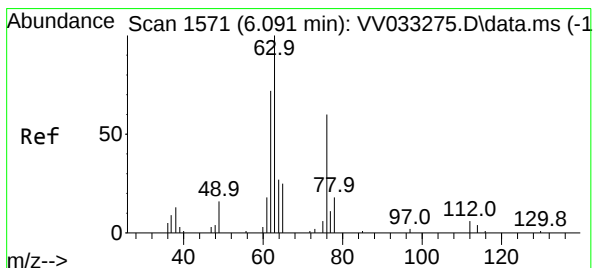
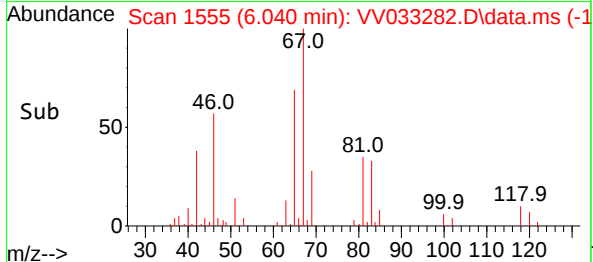
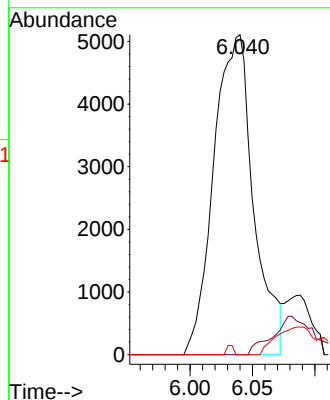
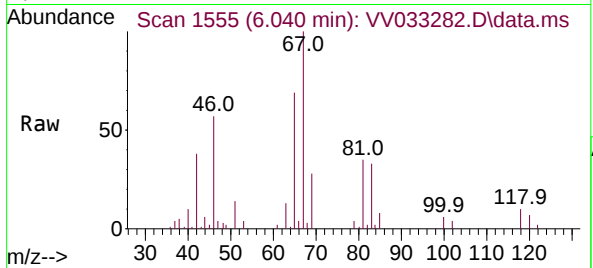




#35
Methylcyclohexane
Concen: 0.649 ug/L
RT: 6.040 min Scan# 1552
Delta R.T. -0.006 min
Lab File: VV033282.D
Acq: 13 Dec 2023 17:34

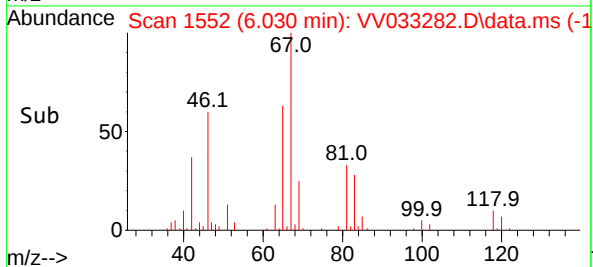
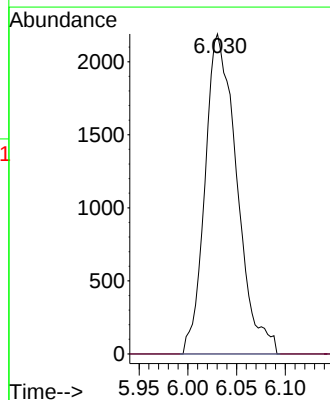
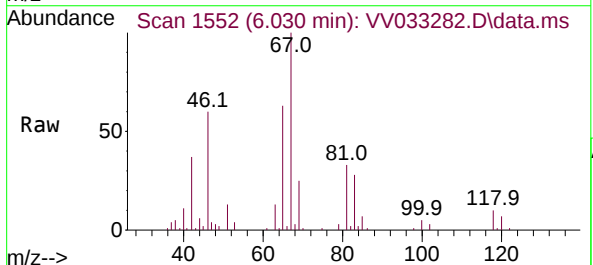
Instrument :
MSVOA_V
ClientSampleId :
E0Y54

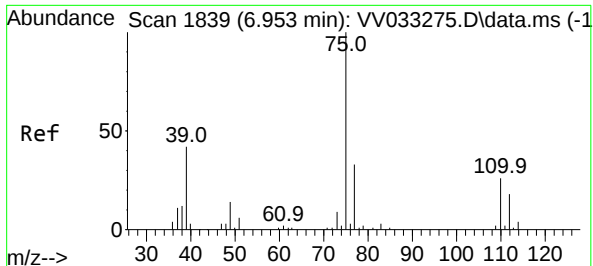
Tgt Ion: 83 Resp: 11342
Ion Ratio Lower Upper
83 100
55 0.0 50.7 76.1#
98 0.5 42.4 63.6#



#37
1,2-Dichloropropane
Concen: 0.610 ug/L
RT: 6.030 min Scan# 1552
Delta R.T. -0.061 min
Lab File: VV033282.D
Acq: 13 Dec 2023 17:34

Tgt Ion: 63 Resp: 4965
Ion Ratio Lower Upper
63 100
112 0.0 5.0 7.6#





#39

cis-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 6.969 min Scan# 11

Delta R.T. 0.016 min

Lab File: VV033282.D

Acq: 13 Dec 2023 17:34

Instrument :

MSVOA_V

ClientSampleId :

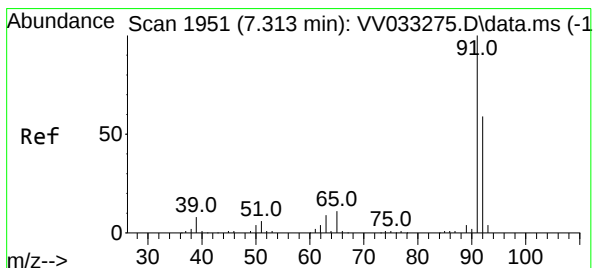
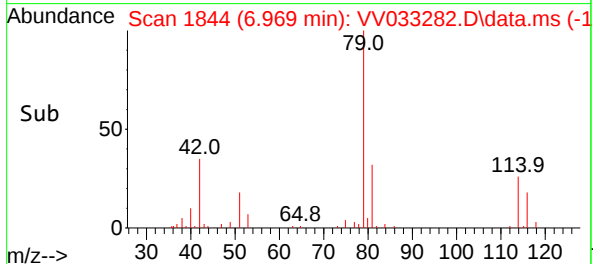
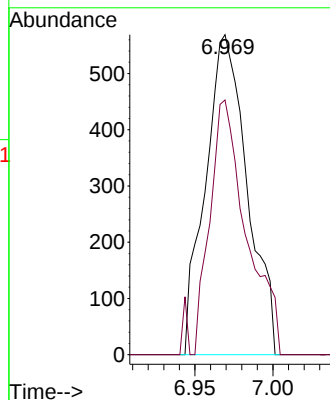
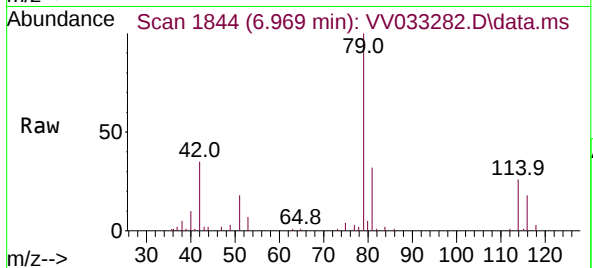
E0Y54

Tgt Ion: 75 Resp: 1063

Ion Ratio Lower Upper

75 100

77 79.6 22.1 41.1#



#42

Toluene

Concen: 0.418 ug/L

RT: 7.365 min Scan# 1967

Delta R.T. 0.051 min

Lab File: VV033282.D

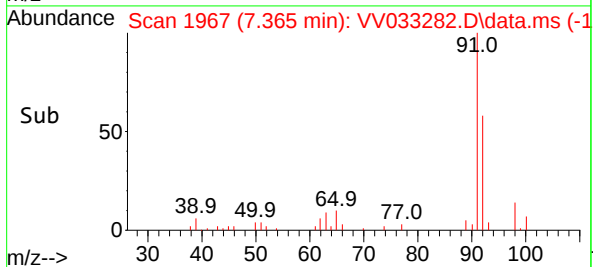
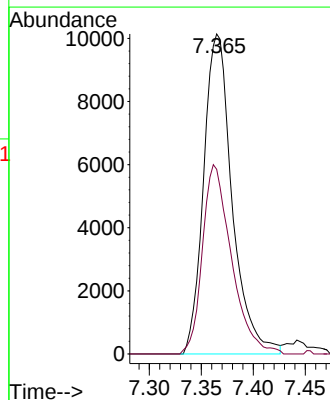
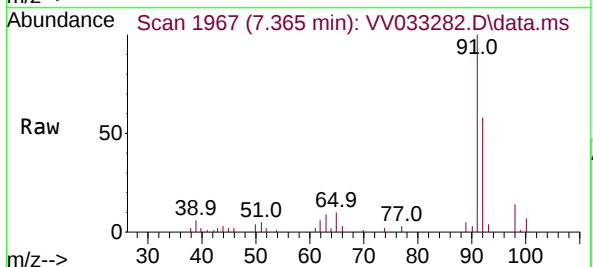
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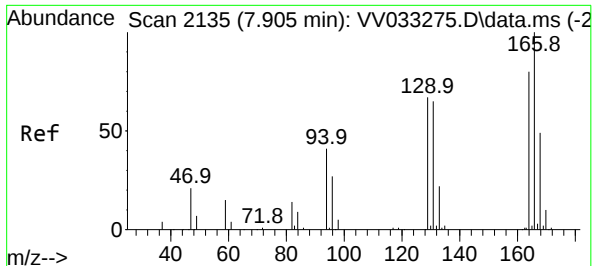
Tgt Ion: 91 Resp: 19386

Ion Ratio Lower Upper

91 100

92 57.7 40.2 74.6





#47

Tetrachloroethene

Concen: 0.213 ug/L

RT: 7.944 min Scan# 2146

Delta R.T. 0.039 min

Lab File: VV033282.D

Acq: 13 Dec 2023 17:34

Instrument :

MSVOA_V

ClientSampleId :

E0Y54

Tgt Ion:164 Resp: 2376

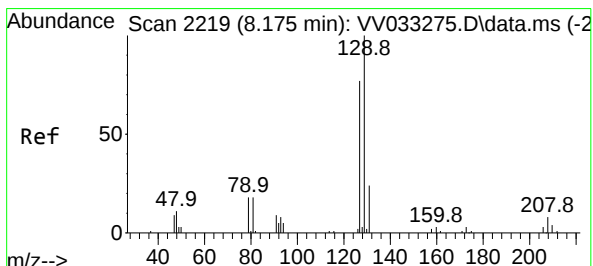
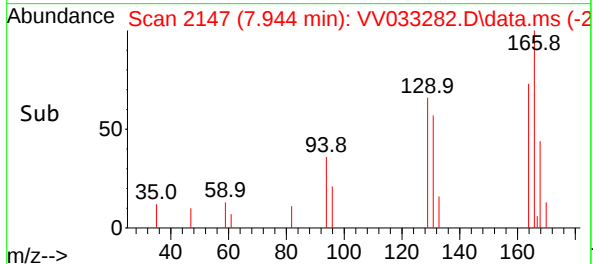
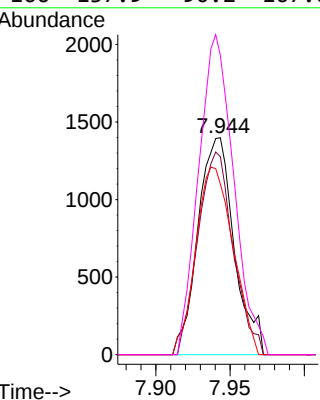
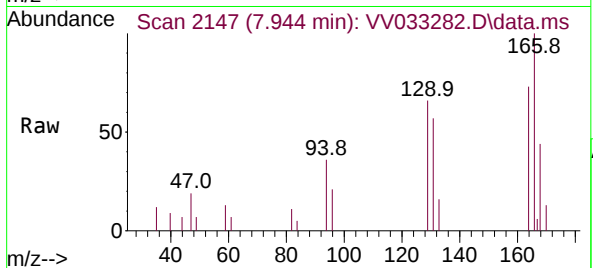
Ion Ratio Lower Upper

164 100

129 91.2 62.6 116.3

131 78.7 62.6 116.3

166 137.9 90.2 167.6



#49

Dibromochloromethane

Concen: 0.245 ug/L

RT: 7.940 min Scan# 2146

Delta R.T. -0.235 min

Lab File: VV033282.D

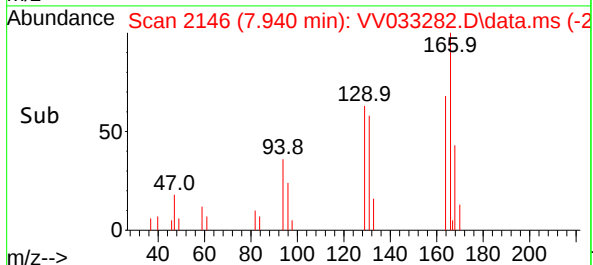
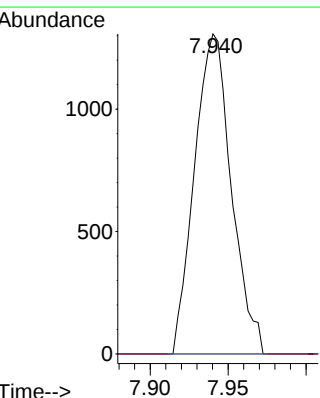
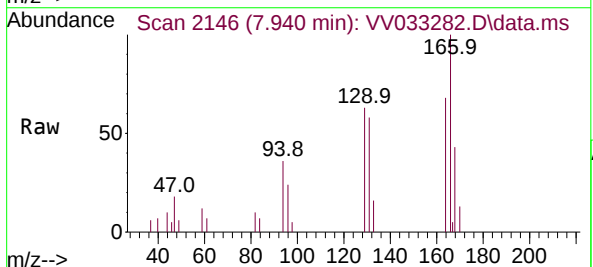
Acq: 13 Dec 2023 17:34

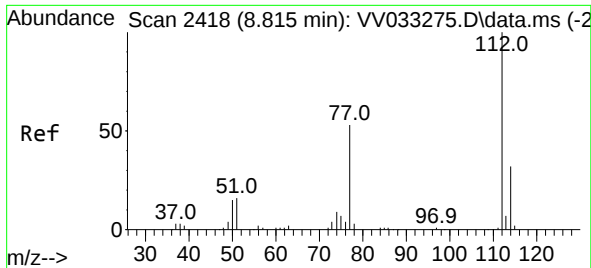
Tgt Ion:129 Resp: 2153

Ion Ratio Lower Upper

129 100

127 0.0 53.2 98.8#

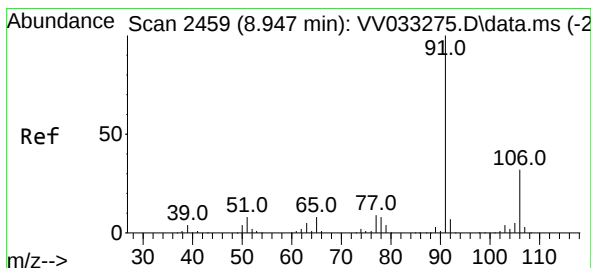
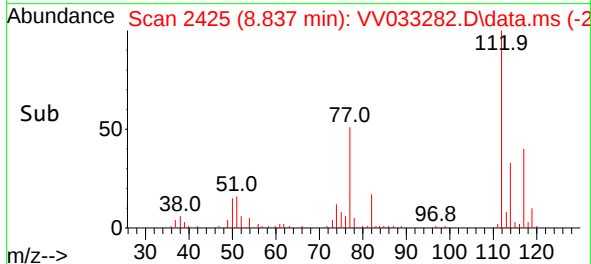
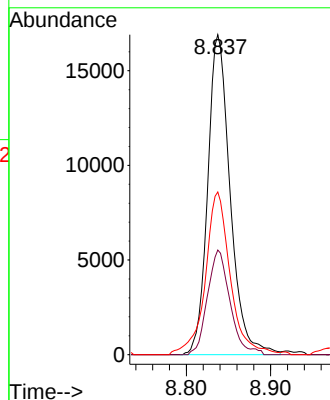
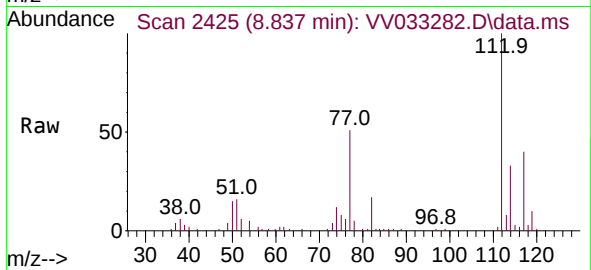




#51
Chlorobenzene
Concen: 0.989 ug/L
RT: 8.837 min Scan# 2418
Delta R.T. 0.022 min
Lab File: VV033282.D
Acq: 13 Dec 2023 17:34

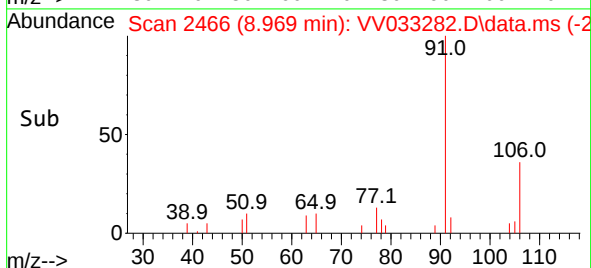
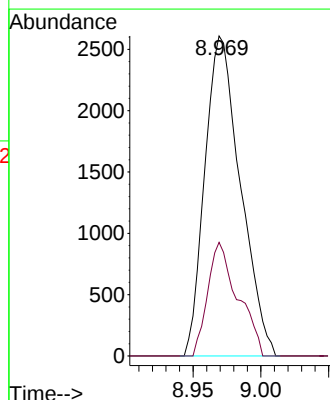
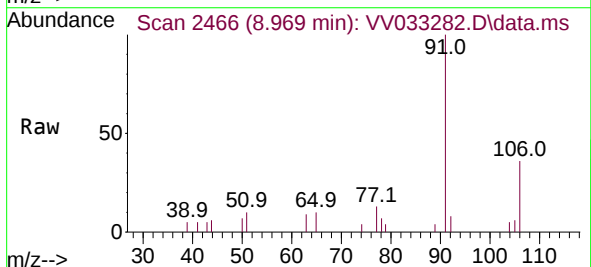
Instrument :
MSVOA_V
ClientSampleId :
E0Y54

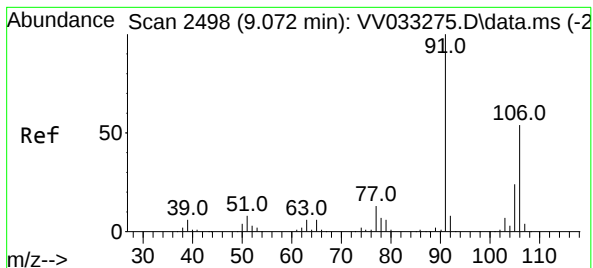
Tgt Ion:112 Resp: 31401
Ion Ratio Lower Upper
112 100
114 32.7 22.8 42.4
77 50.9 41.3 61.9



#52
Ethylbenzene
Concen: 0.092 ug/L
RT: 8.969 min Scan# 2466
Delta R.T. 0.022 min
Lab File: VV033282.D
Acq: 13 Dec 2023 17:34

Tgt Ion: 91 Resp: 4760
Ion Ratio Lower Upper
91 100
106 35.5 22.7 42.3





#53

m,p-Xylene

Concen: 0.144 ug/L

RT: 9.098 min Scan# 21

Delta R.T. 0.026 min

Lab File: VV033282.D

Acq: 13 Dec 2023 17:34

Instrument :

MSVOA_V

ClientSampleId :

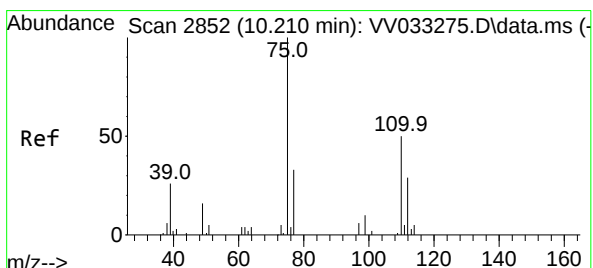
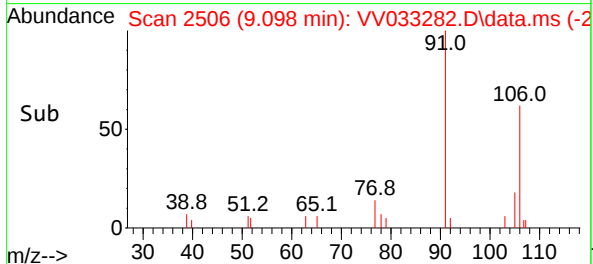
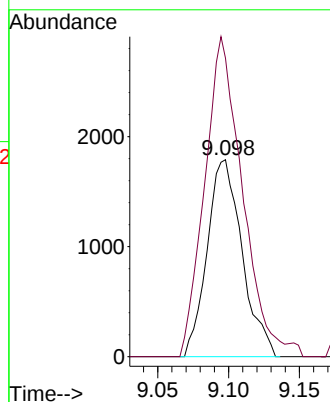
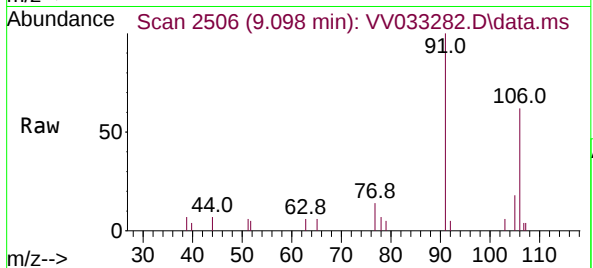
E0Y54

Tgt Ion:106 Resp: 3067

Ion Ratio Lower Upper

106 100

91 151.6 136.8 254.0



#61

1,2,3-Trichloropropane

Concen: 1.908 ug/L

RT: 11.191 min Scan# 3157

Delta R.T. 0.981 min

Lab File: VV033282.D

Acq: 13 Dec 2023 17:34

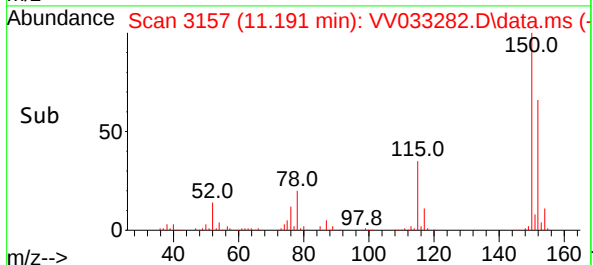
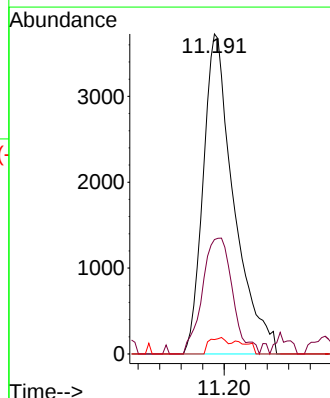
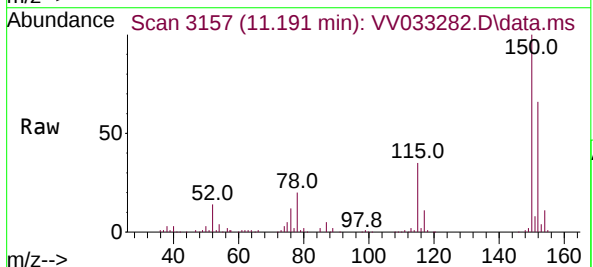
Tgt Ion: 75 Resp: 7354

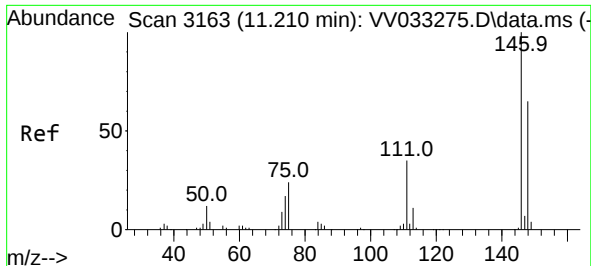
Ion Ratio Lower Upper

75 100

77 35.6 27.4 41.2

110 3.0 39.4 59.2#

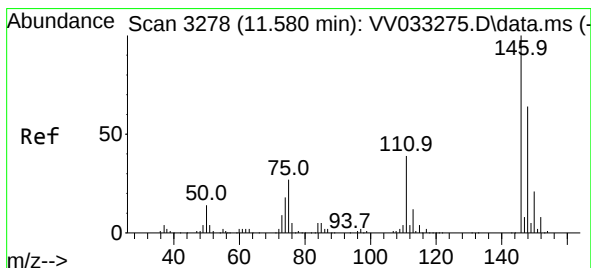
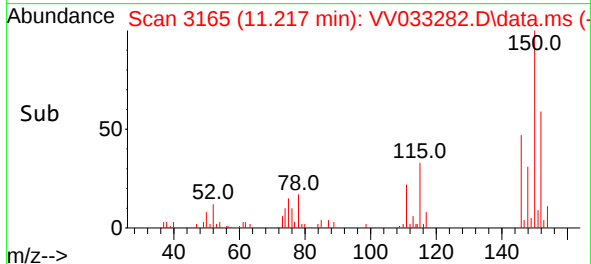
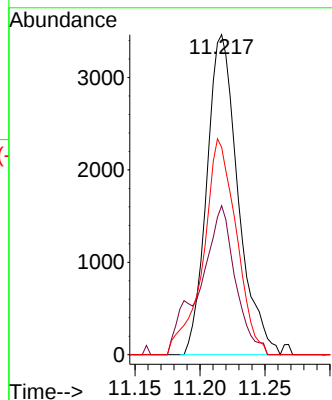
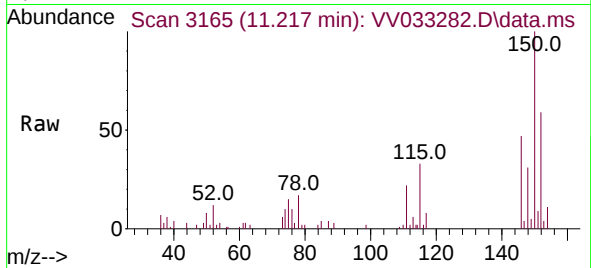




#65
1,4-Dichlorobenzene
Concen: 0.238 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.006 min
Lab File: VV033282.D
Acq: 13 Dec 2023 17:34

Instrument :
MSVOA_V
ClientSampleId :
E0Y54

Tgt Ion:146 Resp: 5803
Ion Ratio Lower Upper
146 100
111 46.5 25.6 47.4
148 64.8 44.7 82.9



#67
1,2-Dichlorobenzene
Concen: 0.114 ug/L
RT: 11.586 min Scan# 3280
Delta R.T. 0.006 min
Lab File: VV033282.D
Acq: 13 Dec 2023 17:34

Tgt Ion:146 Resp: 2411
Ion Ratio Lower Upper
146 100
111 48.3 31.0 46.4#
148 61.8 52.6 79.0

