

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121423\
 Data File : VW033359.D
 Acq On : 15 Dec 2023 00:52
 Operator : SY/MD
 Sample : 05802-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 15 04:09:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 08 21:51:12 2023
 Response via : Initial Calibration

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

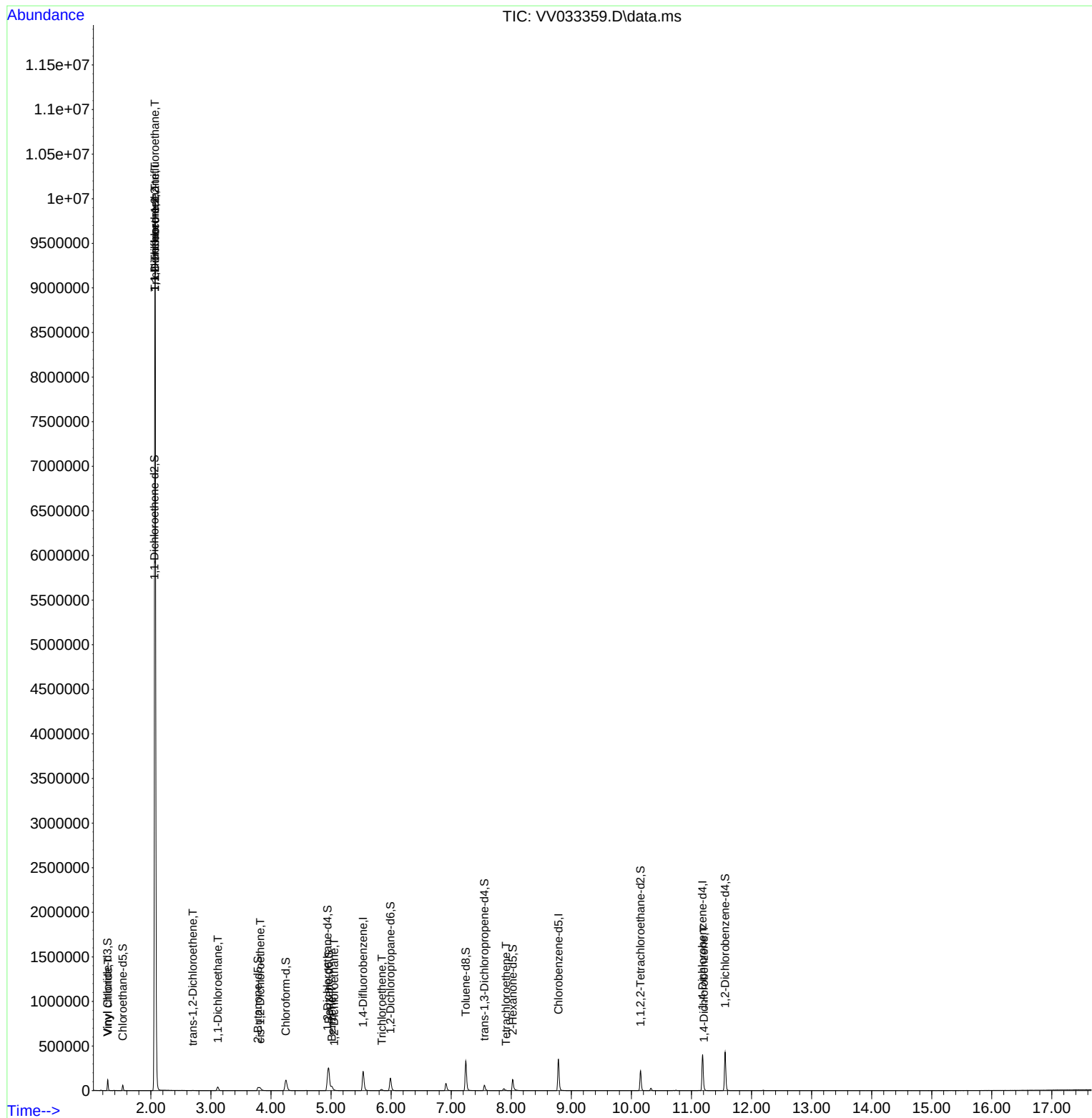
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	211301	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	214496	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	121874	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	41083	32.524	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	65.040%		
7) Chloroethane-d5	1.532	69	38284	43.498	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	87.000%		
11) 1,1-Dichloroethene-d2	2.060	65	22878	47.609	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.220%		
21) 2-Butanone-d5	3.783	46	44592	71.076	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	71.080%		
24) Chloroform-d	4.246	84	130885	48.826	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.660%		
26) 1,2-Dichloroethane-d4	4.940	65	87570	52.543	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	105.080%		
32) Benzene-d6	4.960	84	241101	48.061	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.120%		
36) 1,2-Dichloropropane-d6	5.989	67	58354	43.262	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	86.520%		
41) Toluene-d8	7.243	98	234490	49.000	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.000%		
43) trans-1,3-Dichloroprop...	7.551	79	37522	43.992	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.980%		
47) 2-Hexanone-d5	8.024	63	43761	80.759	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	80.760%		
56) 1,1,2,2-Tetrachloroeth...	10.152	84	93149	48.580	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.160%		
66) 1,2-Dichlorobenzene-d4	11.561	152	123128	56.782	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	113.560%		
Target Compounds						Qvalue
5) Vinyl chloride	1.285	62	36450	24.950	ug/L	98
9) Trichlorofluoromethane	2.069	101	7944	3.295	ug/L #	18
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	8013	7.078	ug/L #	26
12) 1,1-Dichloroethene	2.069	96	3158172	2981.242	ug/L #	62
17) trans-1,2-Dichloroethene	2.699	96	1287	0.925	ug/L	82
19) 1,1-Dichloroethane	3.114	63	37892	16.460	ug/L	95
20) cis-1,2-Dichloroethene	3.822	96	15785	10.696	ug/L	85
27) 1,2-Dichloroethane	5.053	62	3066	1.465	ug/L #	76
33) Benzene	5.011	78	51754	9.521	ug/L	100
34) Trichloroethene	5.847	95	4442	2.735	ug/L	88
46) Tetrachloroethene	7.911	164	1200	0.860	ug/L #	84
65) 1,4-Dichlorobenzene	11.210	146	4424	1.134	ug/L	89

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

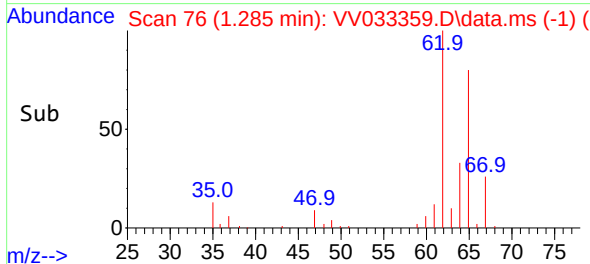
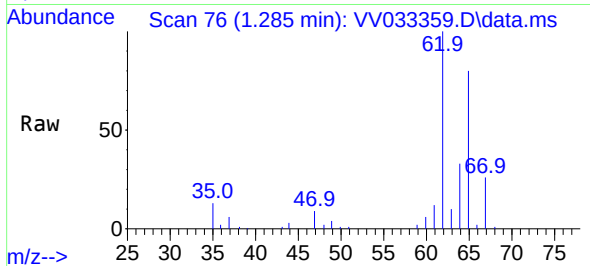
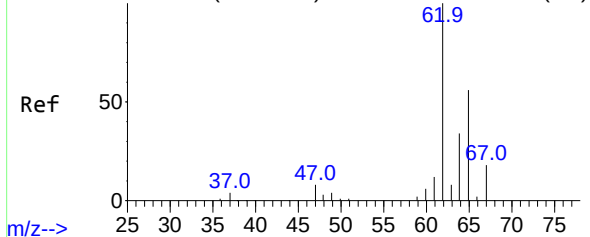
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Quant Title : VOC Analysis
QLast Update : Fri Dec 08 21:51:12 2023
Response via : Initial Calibration



Abundance Scan 76 (1.285 min): VV033348.D\data.ms (-68)



#5

Vinyl chloride

Concen: 24.950 ug/L

RT: 1.285 min Scan# 71

Delta R.T. -0.000 min

Lab File: VV033359.D

Acq: 15 Dec 2023 00:52

Instrument :

MSVOA_V

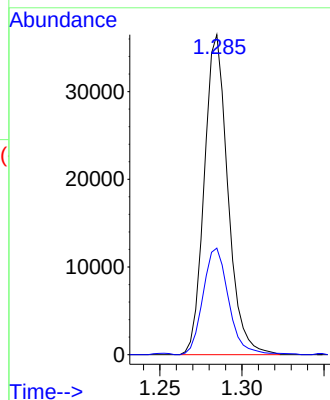
ClientSampleId :

Tgt Ion: 62 Resp: 36450

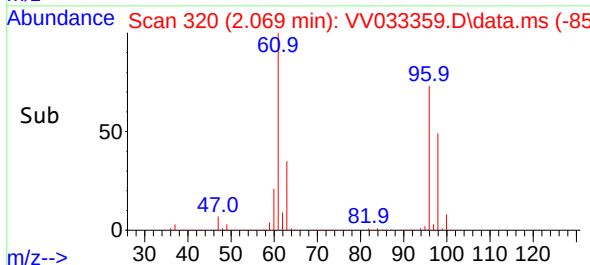
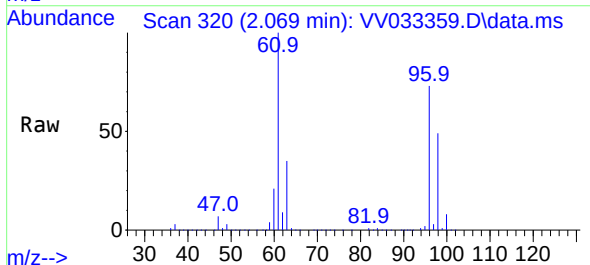
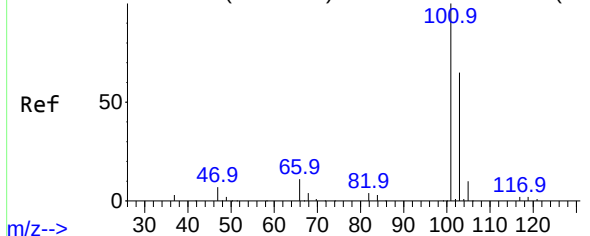
Ion Ratio Lower Upper

62 100

64 33.3 24.2 45.0



Abundance Scan 210 (1.715 min): VV033348.D\data.ms (-19)



#9

Trichlorofluoromethane

Concen: 3.295 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.357 min

Lab File: VV033359.D

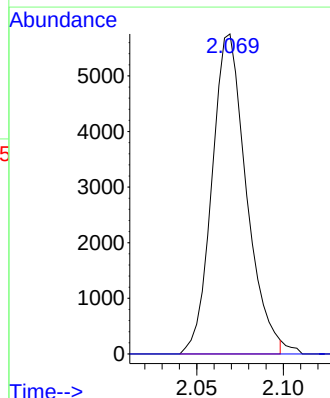
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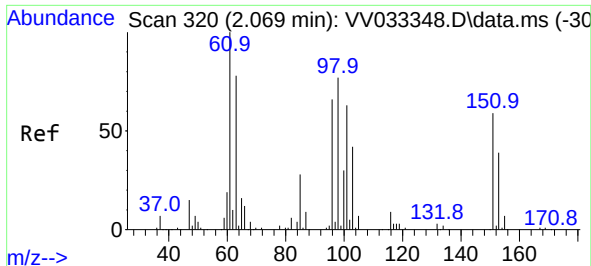
Tgt Ion:101 Resp: 7944

Ion Ratio Lower Upper

101 100

103 0.0 51.3 76.9#

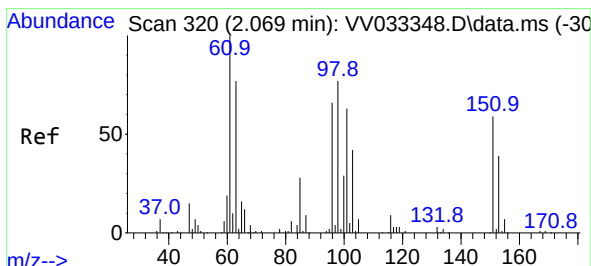
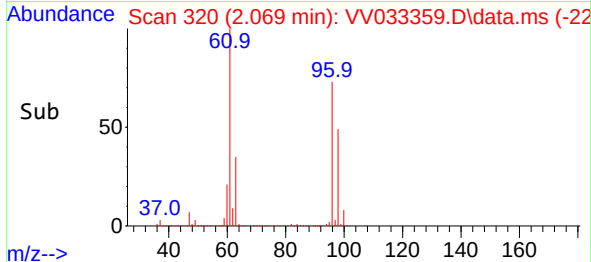
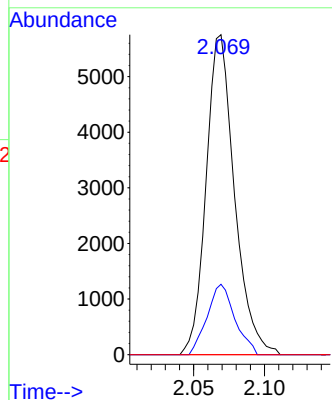
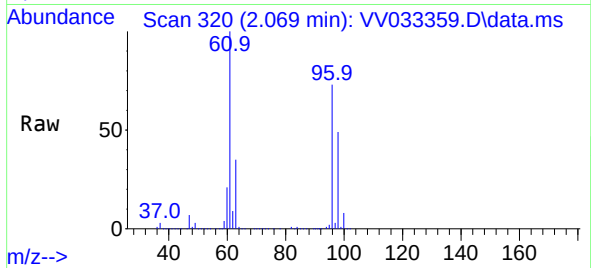




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 7.078 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV033359.D
 Acq: 15 Dec 2023 00:52

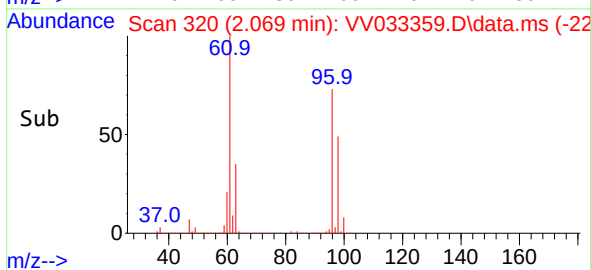
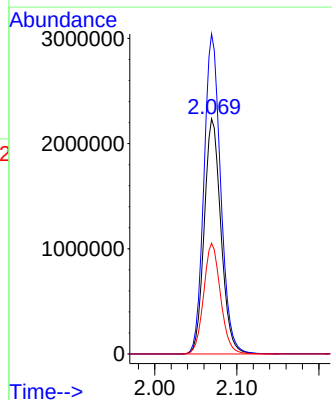
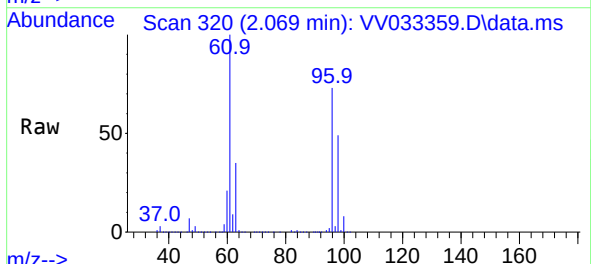
Instrument :
 MSVOA_V
 ClientSampleId :

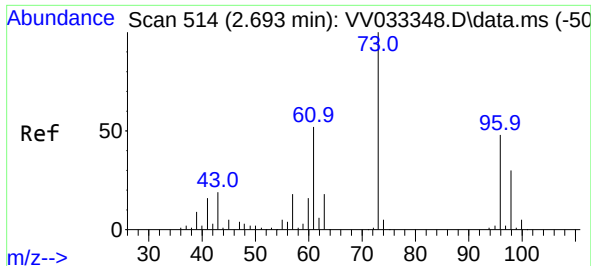
Tgt Ion:101 Resp: 8013
 Ion Ratio Lower Upper
 101 100
 85 21.5 36.0 54.0#
 151 0.0 69.1 103.7#



#12
 1,1-Dichloroethene
 Concen: 2981.242 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV033359.D
 Acq: 15 Dec 2023 00:52

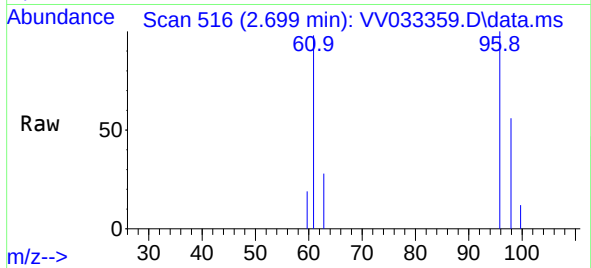
Tgt Ion: 96 Resp: 3158172
 Ion Ratio Lower Upper
 96 100
 61 136.1 109.1 202.7
 63 47.1 85.3 158.3#





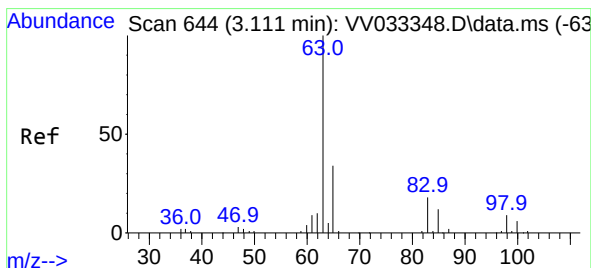
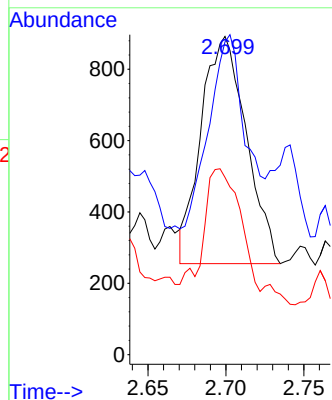
#17
trans-1,2-Dichloroethene
Concen: 0.925 ug/L
RT: 2.699 min Scan# 514
Delta R.T. 0.006 min
Lab File: VV033359.D
Acq: 15 Dec 2023 00:52

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 1287

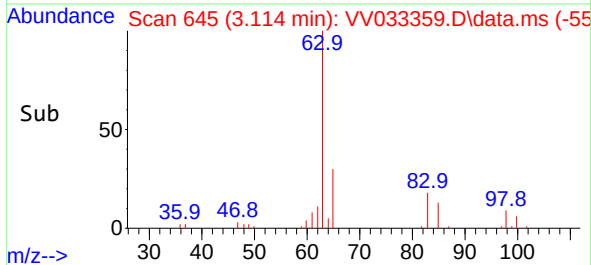
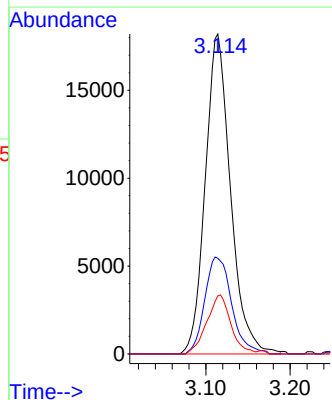
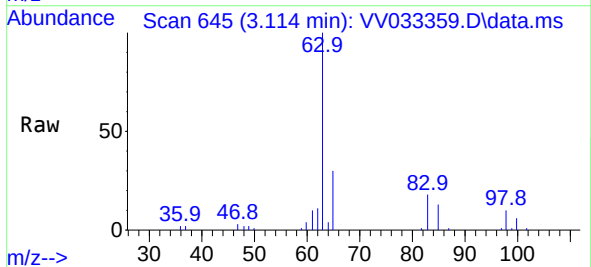
Ion	Ratio	Lower	Upper
96	100		
61	98.3	86.5	160.6
98	55.7	45.1	83.7

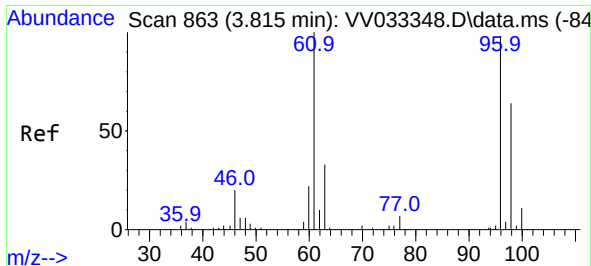


#19
1,1-Dichloroethane
Concen: 16.460 ug/L
RT: 3.114 min Scan# 645
Delta R.T. 0.006 min
Lab File: VV033359.D
Acq: 15 Dec 2023 00:52

Tgt Ion: 63 Resp: 37892

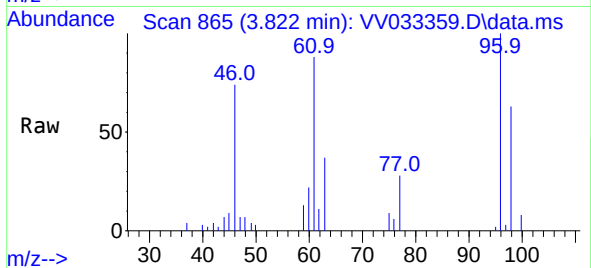
Ion	Ratio	Lower	Upper
63	100		
65	29.9	23.0	42.6
83	18.2	11.4	21.2



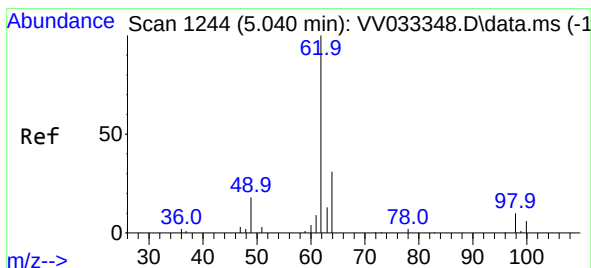
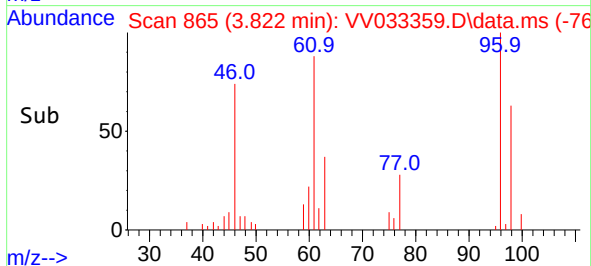
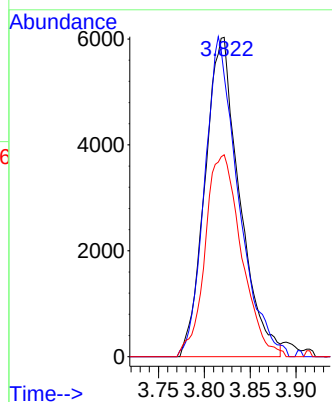


#20
 cis-1,2-Dichloroethene
 Concen: 10.696 ug/L
 RT: 3.822 min Scan# 865
 Delta R.T. 0.010 min
 Lab File: VV033359.D
 Acq: 15 Dec 2023 00:52

Instrument :
 MSVOA_V
 ClientSampleId :

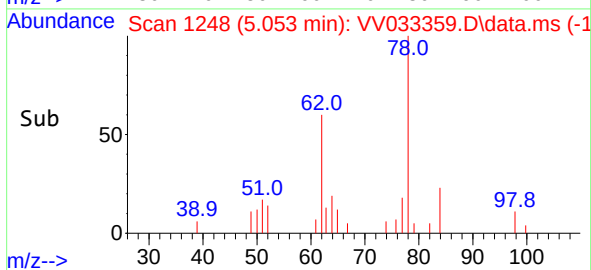
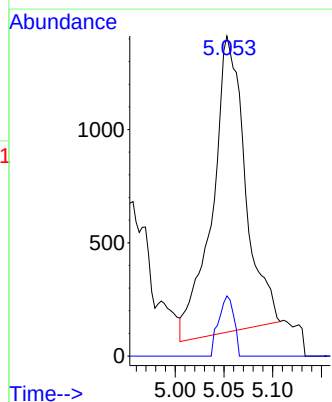
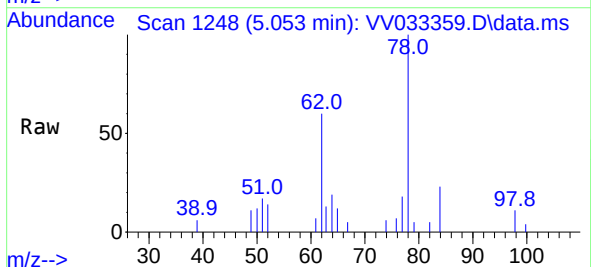


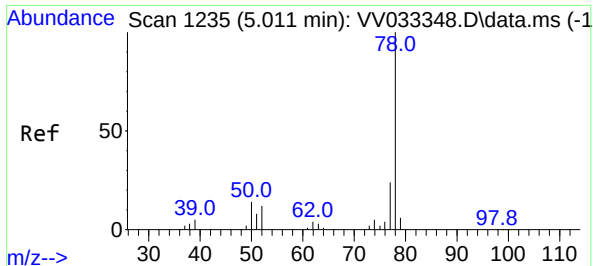
Tgt Ion: 96 Resp: 15785
 Ion Ratio Lower Upper
 96 100
 61 87.9 79.1 146.9
 98 63.2 45.1 83.7



#27
 1,2-Dichloroethane
 Concen: 1.465 ug/L
 RT: 5.053 min Scan# 1248
 Delta R.T. 0.016 min
 Lab File: VV033359.D
 Acq: 15 Dec 2023 00:52

Tgt Ion: 62 Resp: 3066
 Ion Ratio Lower Upper
 62 100
 98 18.8 7.8 11.8#

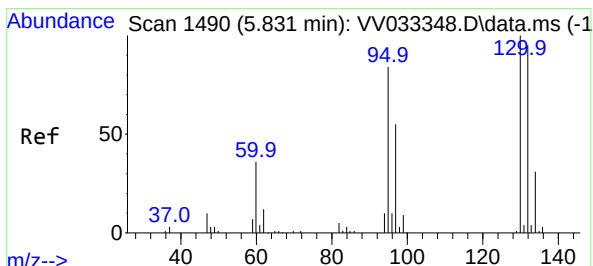
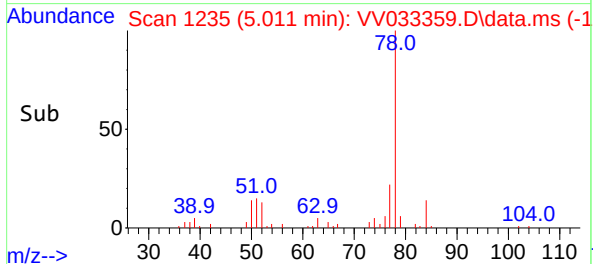
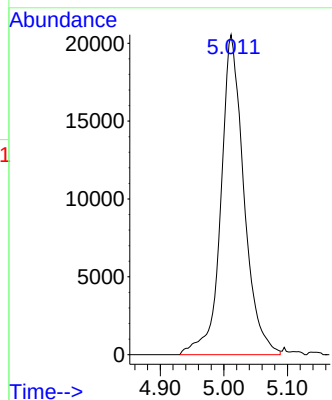
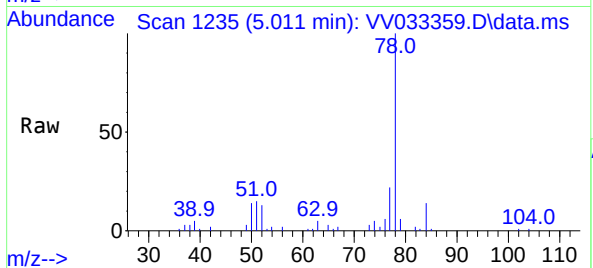




#33
Benzene
Concen: 9.521 ug/L
RT: 5.011 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV033359.D
Acq: 15 Dec 2023 00:52

Instrument :
MSVOA_V
ClientSampleId :

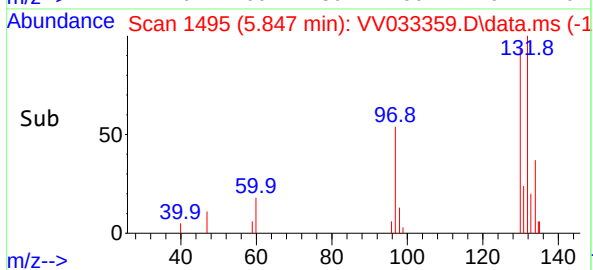
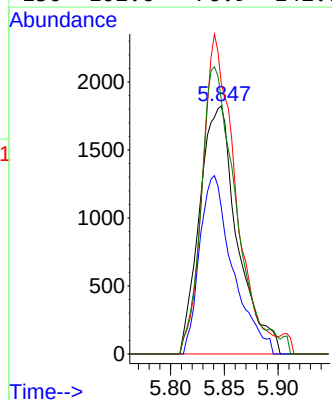
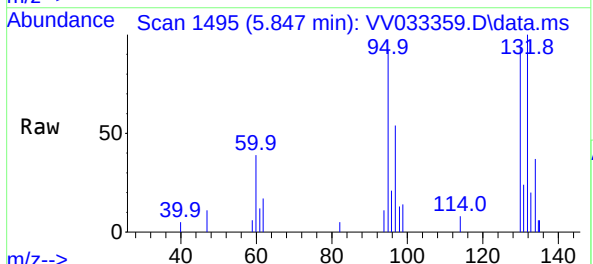
Tgt Ion: 78 Resp: 51754

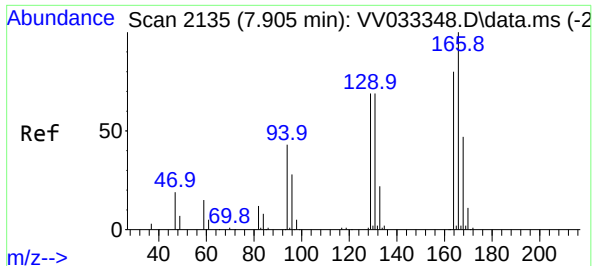


#34
Trichloroethene
Concen: 2.735 ug/L
RT: 5.847 min Scan# 1495
Delta R.T. 0.016 min
Lab File: VV033359.D
Acq: 15 Dec 2023 00:52

Tgt Ion: 95 Resp: 4442

Ion	Ratio	Lower	Upper
95	100		
97	58.9	45.8	85.0
132	130.4	77.4	143.8
130	102.6	76.9	142.7





#46

Tetrachloroethene

Concen: 0.860 ug/L

RT: 7.911 min Scan# 2135

Delta R.T. 0.006 min

Lab File: VV033359.D

Acq: 15 Dec 2023 00:52

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:164 Resp: 1200

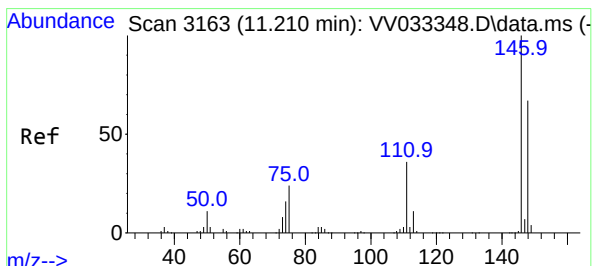
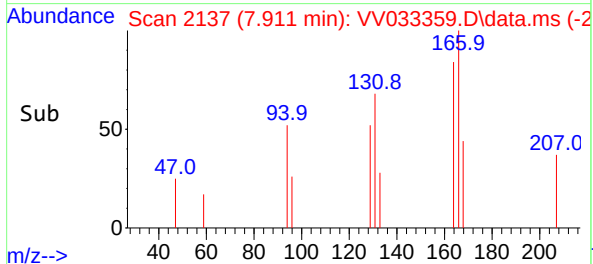
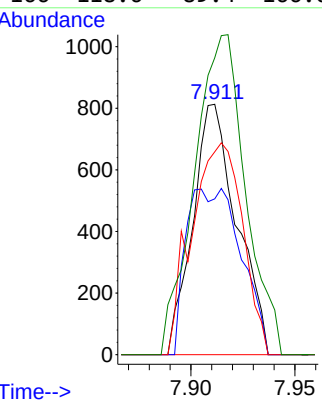
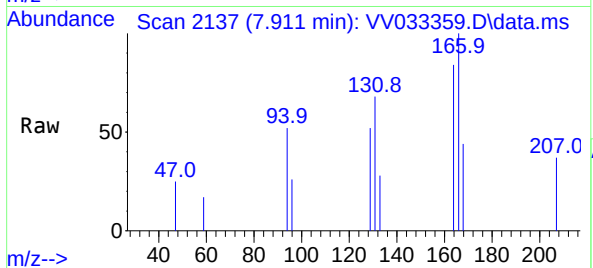
Ion Ratio Lower Upper

164 100

129 62.2 65.6 121.8#

131 81.1 64.7 120.1

166 118.6 89.4 166.0



#65

1,4-Dichlorobenzene

Concen: 1.134 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VV033359.D

Acq: 15 Dec 2023 00:52

Tgt Ion:146 Resp: 4424

Ion Ratio Lower Upper

146 100

111 35.5 25.9 48.1

148 76.2 44.9 83.5

