

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041824\
 Data File : VW035289.D
 Acq On : 18 Apr 2024 17:38
 Operator : SY/MD
 Sample : P2158-13
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 19 01:44:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 10 04:53:36 2024
 Response via : Initial Calibration

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

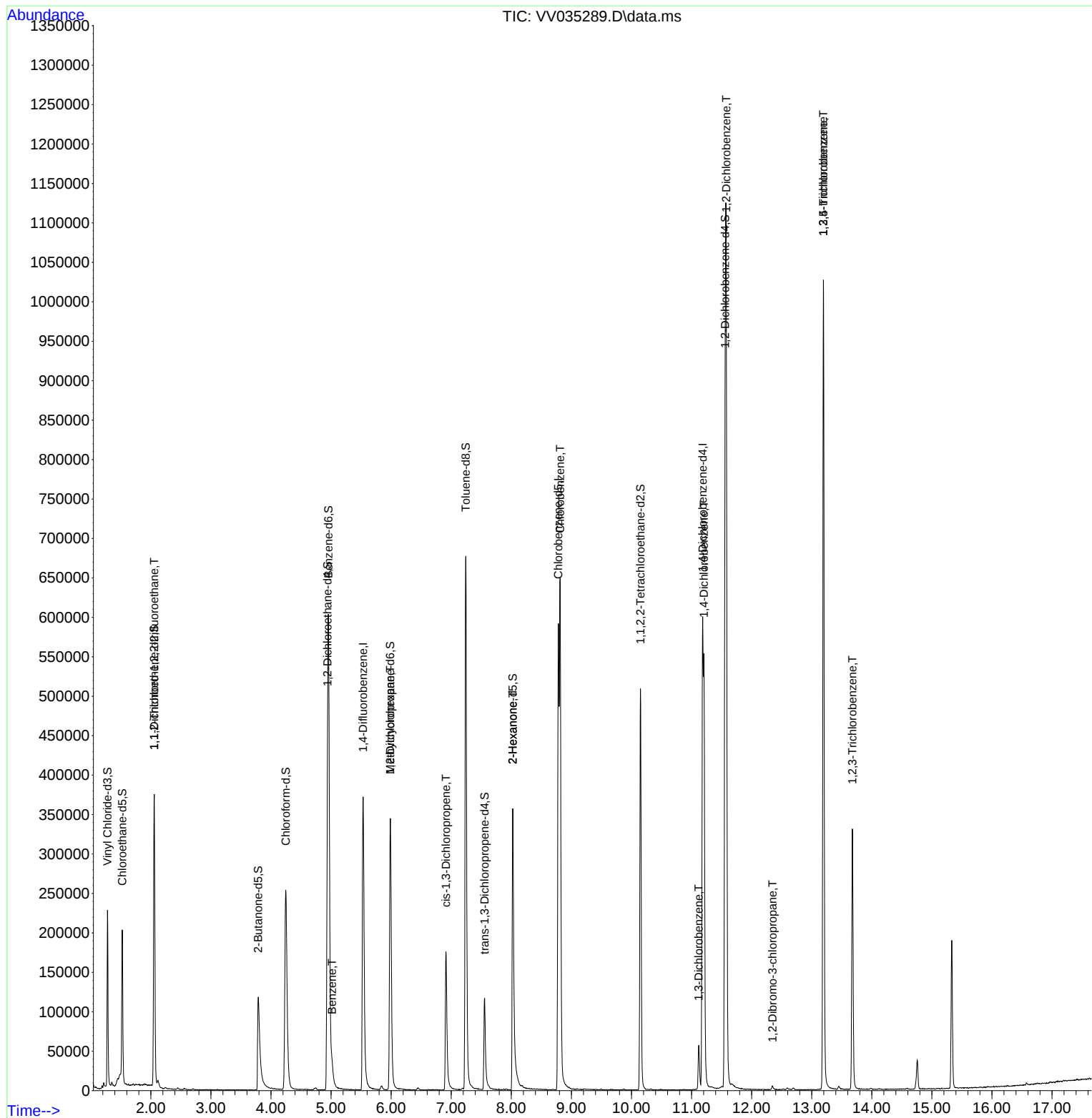
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	335966	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	318480	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	145802	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	150674	46.438	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.880%		
7) Chloroethane-d5	1.523	69	128832	45.715	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.440%		
11) 1,1-Dichloroethene-d2	2.056	65	64406	45.284	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.560%		
21) 2-Butanone-d5	3.786	46	201973	104.959	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	104.960%		
24) Chloroform-d	4.246	84	276226	50.635	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.280%		
26) 1,2-Dichloroethane-d4	4.941	65	175654	50.716	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.440%		
32) Benzene-d6	4.957	84	554881	51.868	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.740%		
36) 1,2-Dichloropropane-d6	5.986	67	179184	52.746	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	105.500%		
41) Toluene-d8	7.243	98	474053	49.204	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.400%		
43) trans-1,3-Dichloroprop...	7.555	79	76800	46.504	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.000%		
47) 2-Hexanone-d5	8.024	63	131852	102.657	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	102.660%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	251200	53.697	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	107.400%		
66) 1,2-Dichlorobenzene-d4	11.558	152	172963	52.836	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.680%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	1856	0.704	ug/L #	28
33) Benzene	5.015	78	29299	2.821	ug/L	100
35) Methylcyclohexane	5.986	83	42275	9.988	ug/L #	20
39) cis-1,3-Dichloropropene	6.912	75	4794	1.060	ug/L #	58
48) 2-Hexanone	8.024	43	14117	4.530	ug/L #	74
51) Chlorobenzene	8.812	112	354865	50.359	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	24855	5.060	ug/L	94
65) 1,4-Dichlorobenzene	11.207	146	209026	41.845	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	399068	81.554	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.349	75	1497	1.720	ug/L #	4
69) 1,3,5-Trichlorobenzene	13.194	180	318676	90.018	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	318676	97.998	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	102266	31.904	ug/L	97

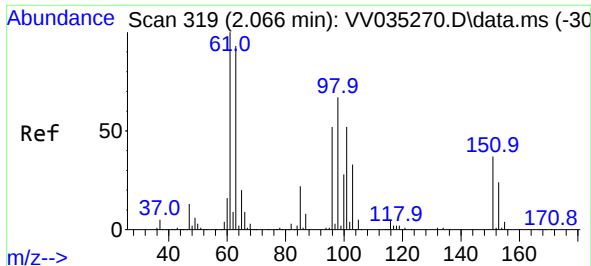
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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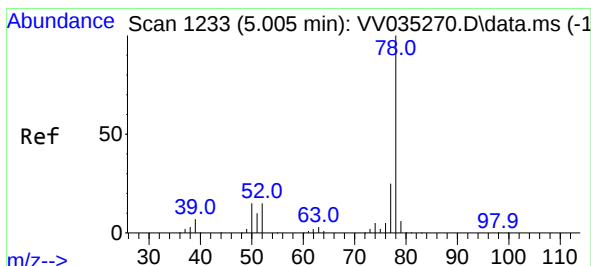
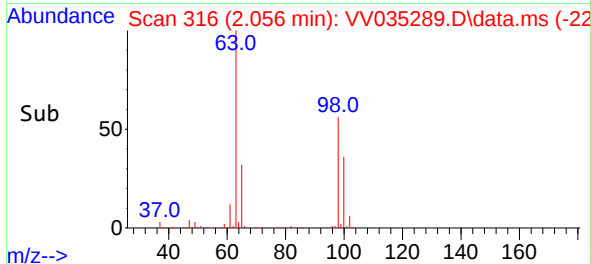
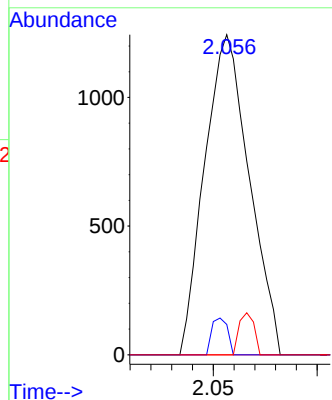
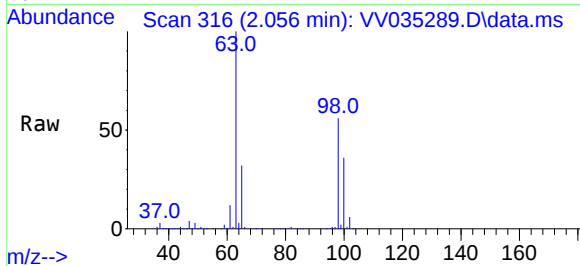




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.704 ug/L
RT: 2.056 min Scan# 319
Delta R.T. -0.010 min
Lab File: VV035289.D
Acq: 18 Apr 2024 17:38

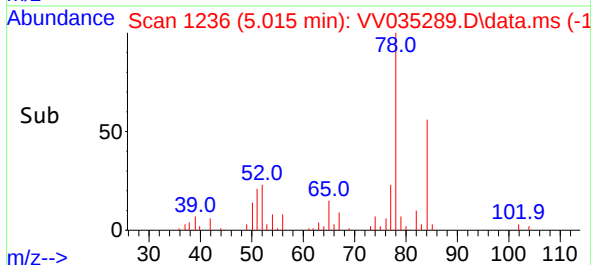
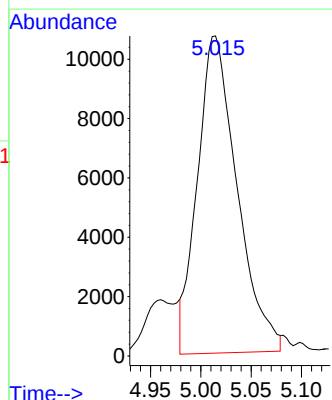
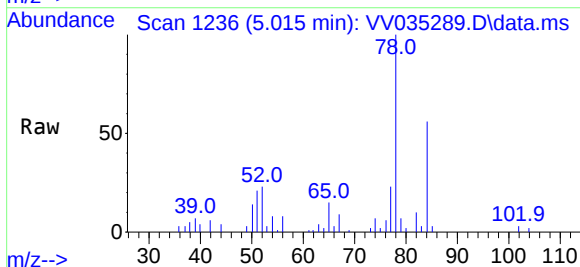
Instrument :
MSVOA_V
ClientSampleId :

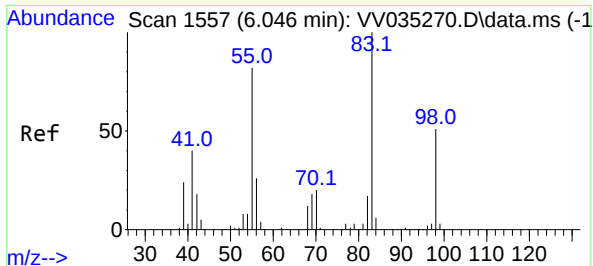
Tgt Ion:101 Resp: 1856
Ion Ratio Lower Upper
101 100
85 4.0 35.3 52.9#
151 4.4 55.0 82.4#



#33
Benzene
Concen: 2.821 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. 0.010 min
Lab File: VV035289.D
Acq: 18 Apr 2024 17:38

Tgt Ion: 78 Resp: 29299

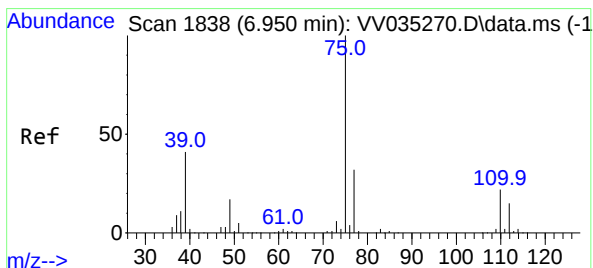
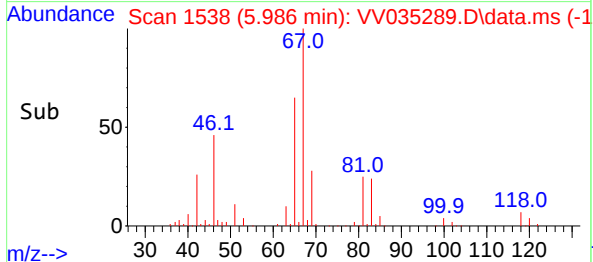
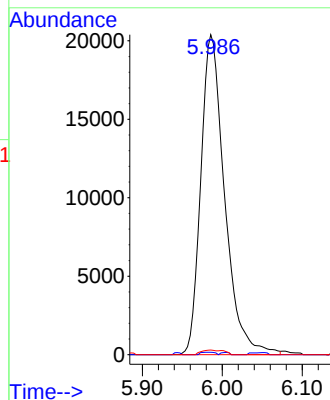
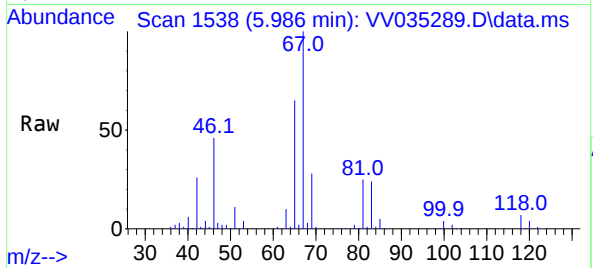




#35
Methylcyclohexane
Concen: 9.988 ug/L
RT: 5.986 min Scan# 11
Delta R.T. -0.061 min
Lab File: VV035289.D
Acq: 18 Apr 2024 17:38

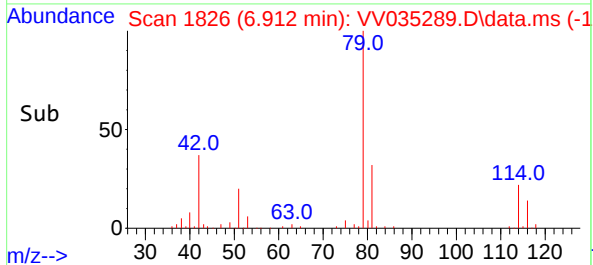
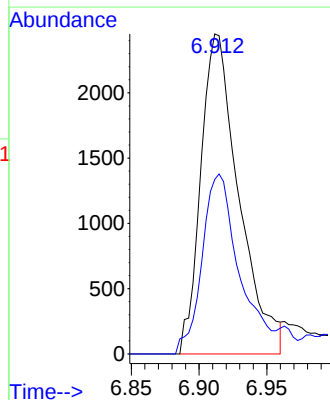
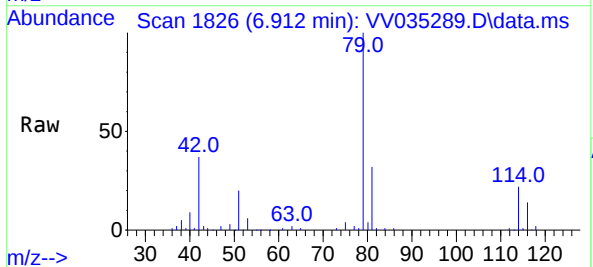
Instrument :
MSVOA_V
ClientSampleId :

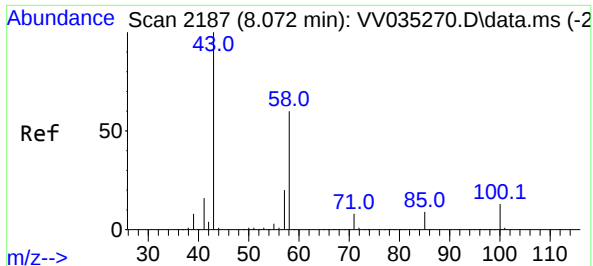
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.2	60.0	90.0#
98	1.0	37.6	56.4#



#39
cis-1,3-Dichloropropene
Concen: 1.060 ug/L
RT: 6.912 min Scan# 1826
Delta R.T. -0.039 min
Lab File: VV035289.D
Acq: 18 Apr 2024 17:38

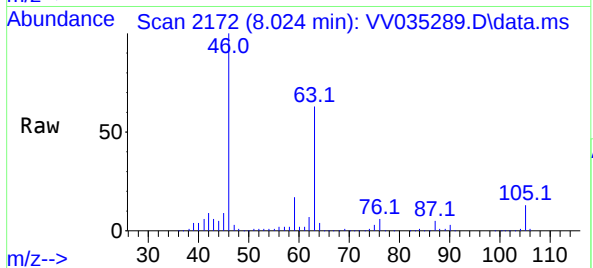
Tgt Ion	Ratio	Lower	Upper
75	100		
77	54.5	21.9	40.7#





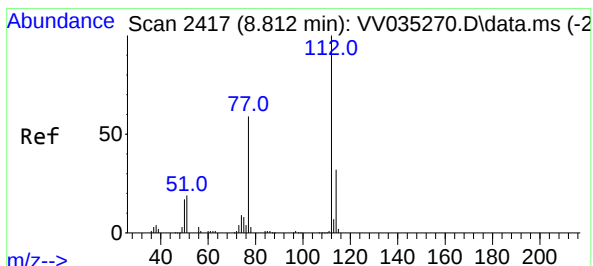
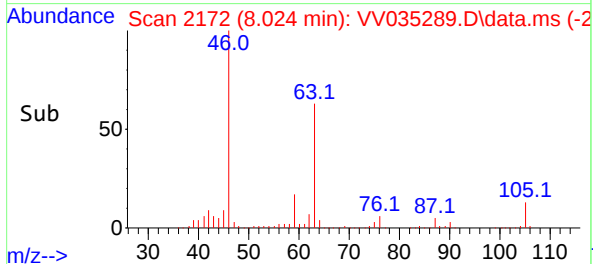
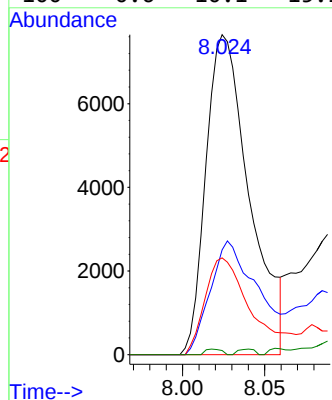
#48
2-Hexanone
Concen: 4.530 ug/L
RT: 8.024 min Scan# 2187
Delta R.T. -0.048 min
Lab File: VV035289.D
Acq: 18 Apr 2024 17:38

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 43 Resp: 14117

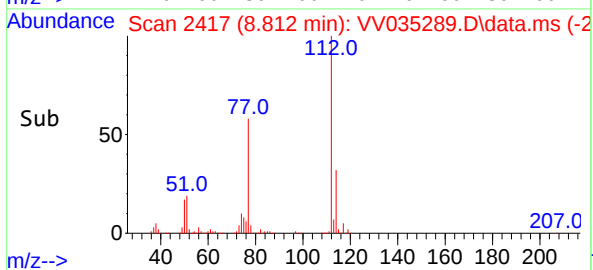
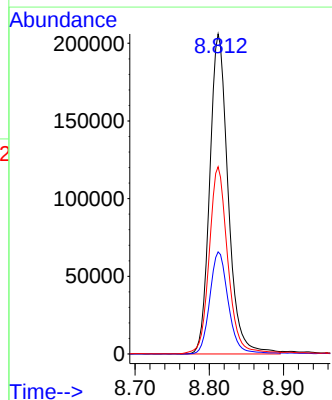
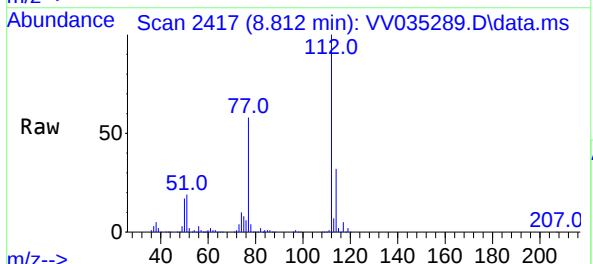
Ion	Ratio	Lower	Upper
43	100		
58	38.4	45.4	68.2#
57	32.5	16.2	24.4#
100	0.6	10.1	15.1#

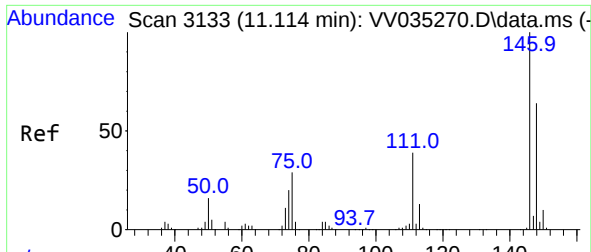


#51
Chlorobenzene
Concen: 50.359 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV035289.D
Acq: 18 Apr 2024 17:38

Tgt Ion: 112 Resp: 354865

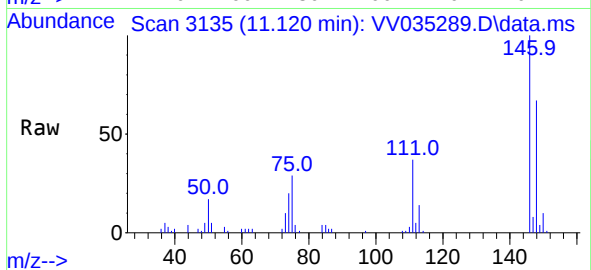
Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.0	41.0
77	58.5	47.4	71.2



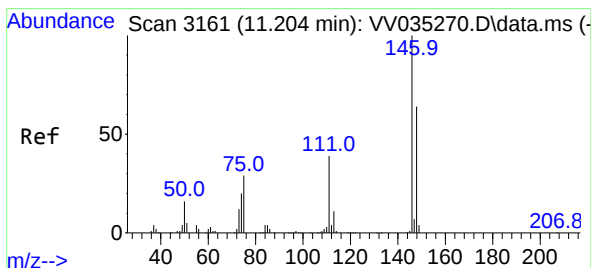
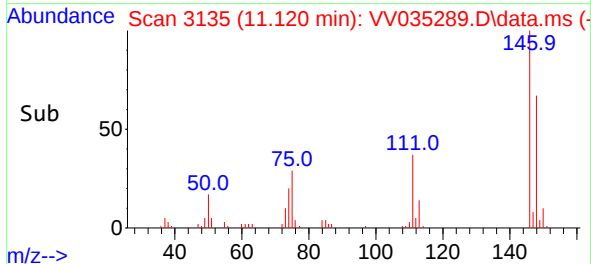
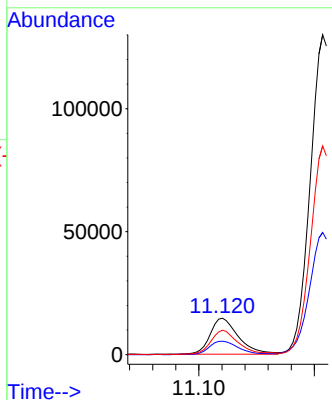


#64
1,3-Dichlorobenzene
Concen: 5.060 ug/L
RT: 11.120 min Scan# 3134
Delta R.T. 0.007 min
Lab File: VV035289.D
Acq: 18 Apr 2024 17:38

Instrument :
MSVOA_V
ClientSampleId :

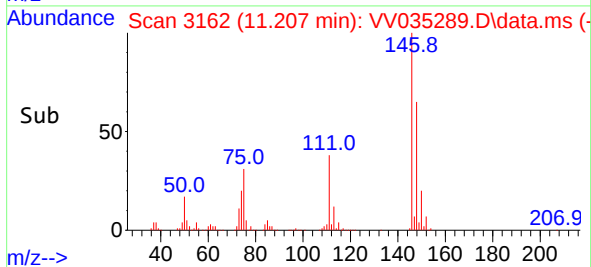
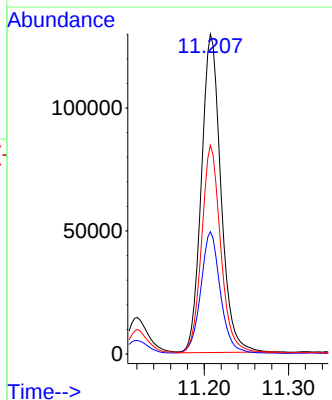
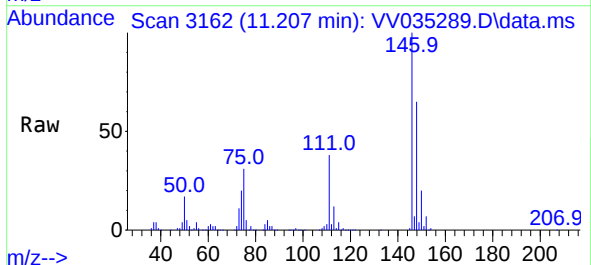


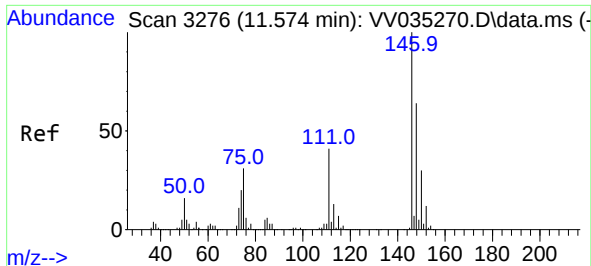
Tgt Ion:146 Resp: 24855
Ion Ratio Lower Upper
146 100
111 37.1 28.7 53.3
148 67.1 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 41.845 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.000 min
Lab File: VV035289.D
Acq: 18 Apr 2024 17:38

Tgt Ion:146 Resp: 209026
Ion Ratio Lower Upper
146 100
111 38.2 27.4 50.8
148 65.2 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 81.554 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV035289.D

Acq: 18 Apr 2024 17:38

Instrument :

MSVOA_V

ClientSampleId :

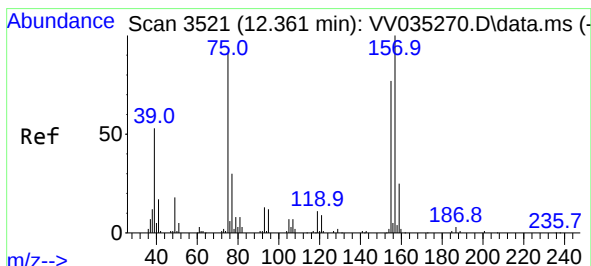
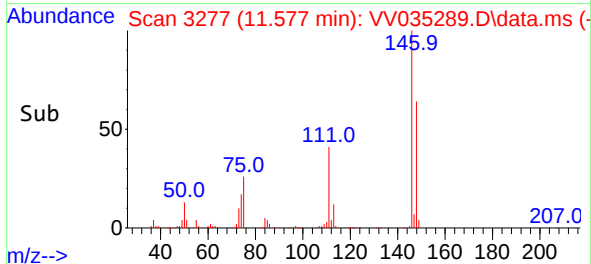
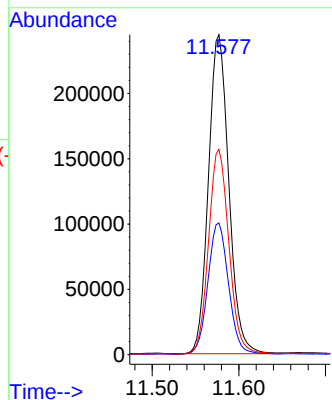
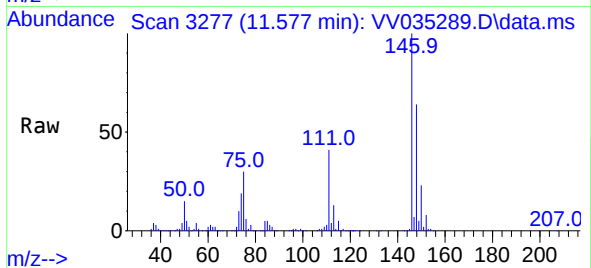
Tgt Ion:146 Resp: 399068

Ion Ratio Lower Upper

146 100

111 41.2 34.6 52.0

148 64.2 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 1.720 ug/L

RT: 12.349 min Scan# 3517

Delta R.T. -0.013 min

Lab File: VV035289.D

Acq: 18 Apr 2024 17:38

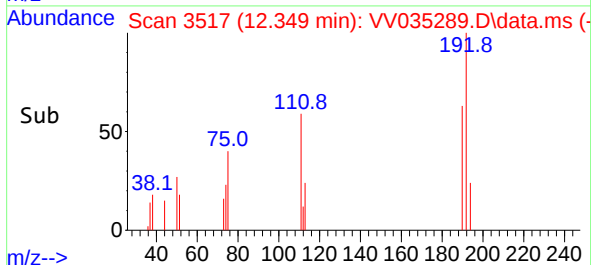
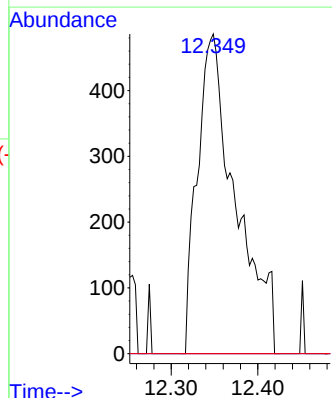
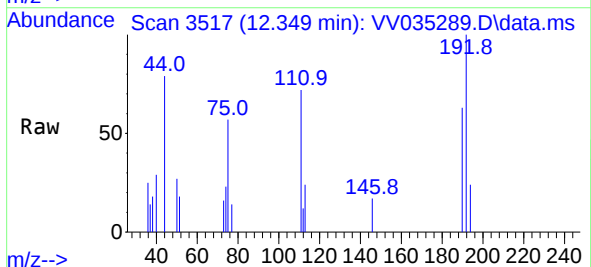
Tgt Ion: 75 Resp: 1497

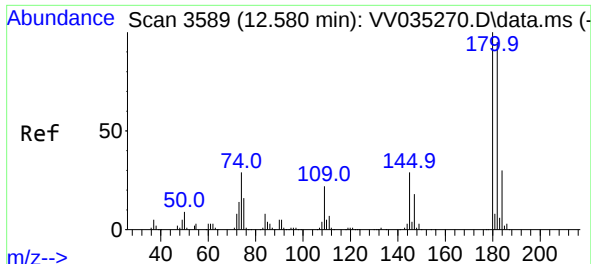
Ion Ratio Lower Upper

75 100

155 0.0 63.0 94.6#

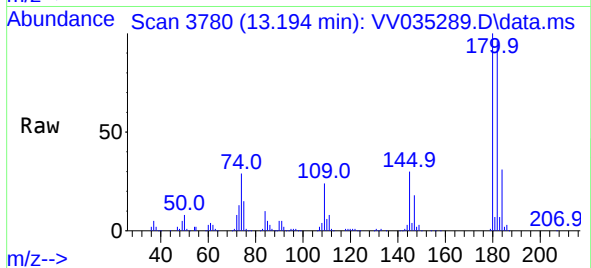
157 0.0 81.0 121.4#



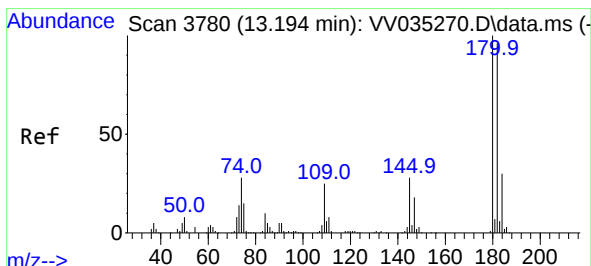
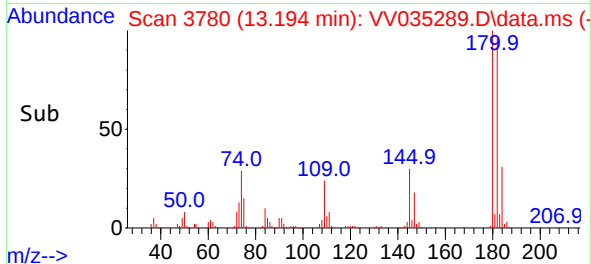
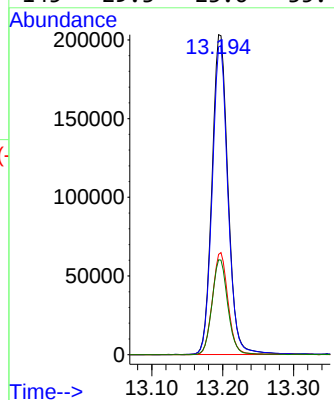


#69
 1,3,5-Trichlorobenzene
 Concen: 90.018 ug/L
 RT: 13.194 min Scan# 31
 Delta R.T. 0.614 min
 Lab File: VV035289.D
 Acq: 18 Apr 2024 17:38

Instrument :
 MSVOA_V
 ClientSampleId :

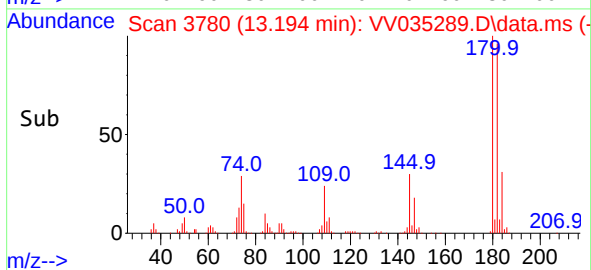
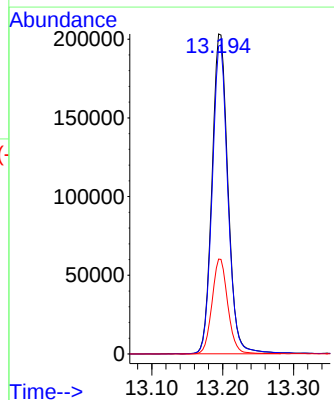
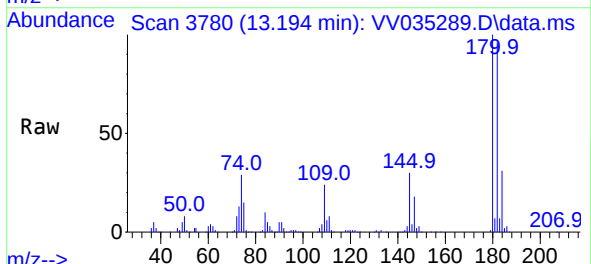


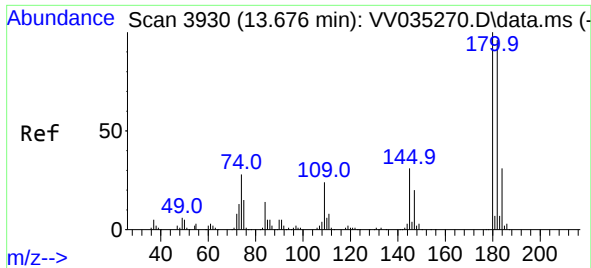
Tgt Ion:180 Resp: 318676
 Ion Ratio Lower Upper
 180 100
 182 95.1 74.7 112.1
 184 31.1 24.0 36.0
 145 29.3 23.6 35.4



#70
 1,2,4-trichlorobenzene
 Concen: 97.998 ug/L
 RT: 13.194 min Scan# 3780
 Delta R.T. 0.000 min
 Lab File: VV035289.D
 Acq: 18 Apr 2024 17:38

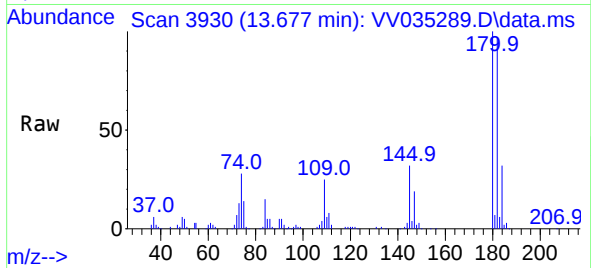
Tgt Ion:180 Resp: 318676
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.6 113.4
 145 29.3 24.1 36.1





#72
1,2,3-Trichlorobenzene
Concen: 31.904 ug/L
RT: 13.677 min Scan# 3930
Delta R.T. 0.000 min
Lab File: VV035289.D
Acq: 18 Apr 2024 17:38

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	180	Resp:	102266
Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.2	114.2
145	30.4	25.8	38.6

