

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011824\
 Data File : VW033734.D
 Acq On : 18 Jan 2024 12:31
 Operator : SY/MD
 Sample : P1143-06DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AZ2DL

Quant Time: Jan 19 00:10:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 19 00:08:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	116439	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	105933	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	53821	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	35173	5.524	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.400%
7) Chloroethane-d5	1.536	69	28929	5.123	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.400%
11) 1,1-Dichloroethene-d2	2.063	65	16944	5.905	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	118.200%
20) 2-Butanone-d5	3.812	46	45554	29.262	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	58.520%
24) Chloroform-d	4.249	84	58094	4.219	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
26) 1,2-Dichloroethane-d4	4.944	65	26274	4.256	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.200%
32) Benzene-d6	4.963	84	122742	4.802	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
36) 1,2-Dichloropropane-d6	5.989	67	34745	4.077	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.600%
41) Toluene-d8	7.243	98	115731	5.072	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.400%
43) trans-1,3-Dichloroprop...	7.561	79	11861	4.026	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.600%
46) 2-Hexanone-d5	8.031	63	36892	31.895	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	63.780%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	18461	3.708	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	74.200%
66) 1,2-Dichlorobenzene-d4	11.561	152	35856	4.339	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.800%

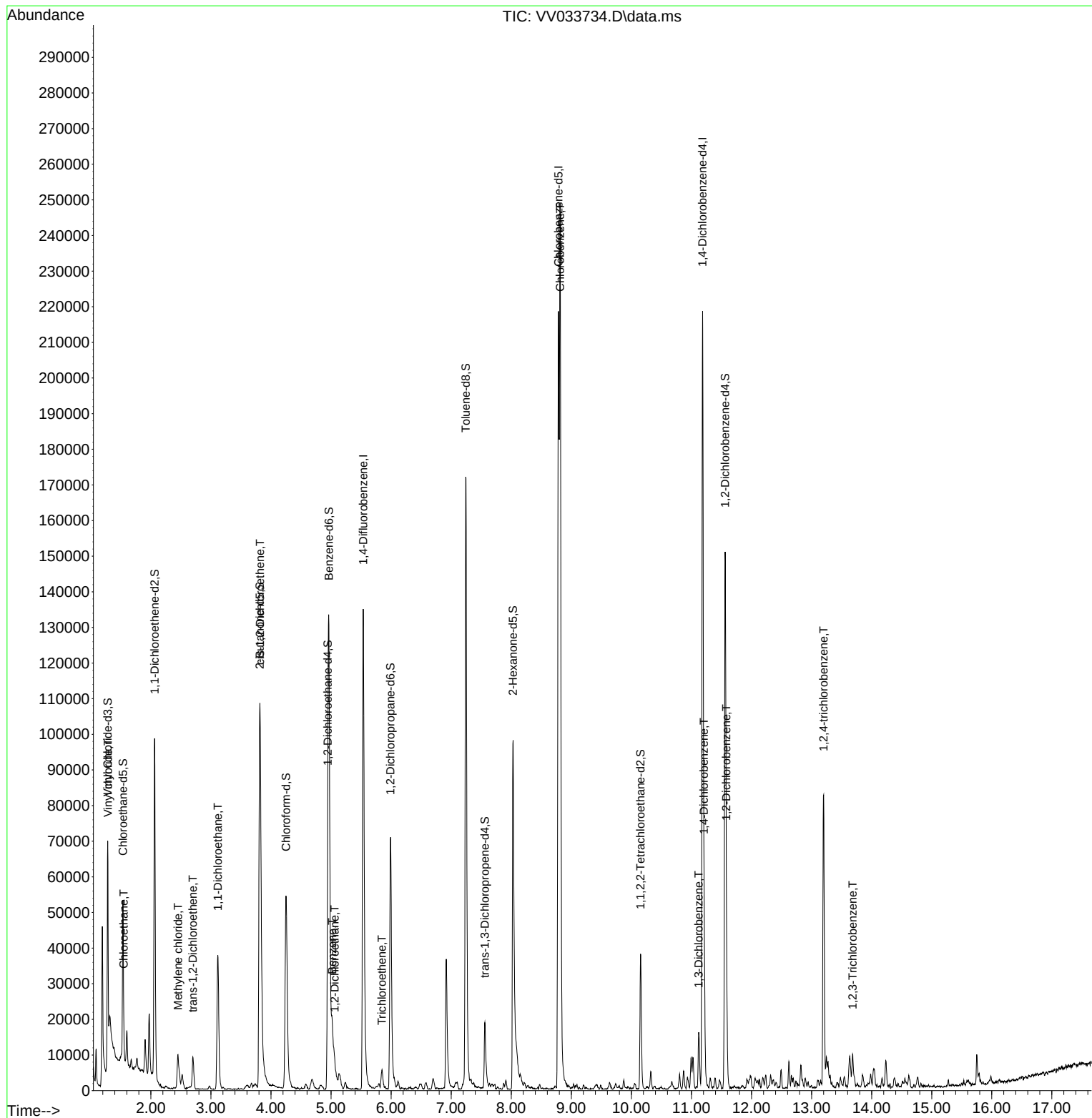
Target Compounds				Qvalue		
5) Vinyl chloride	1.285	62	4095	0.338	ug/L #	5
8) Chloroethane	1.548	64	1167	0.159	ug/L #	61
16) Methylene chloride	2.452	84	2944	0.304	ug/L	97
18) trans-1,2-Dichloroethene	2.700	96	2032	0.219	ug/L	96
19) 1,1-Dichloroethane	3.114	63	40409	2.193	ug/L	96
22) cis-1,2-Dichloroethene	3.818	96	48461	4.992	ug/L	97
27) 1,2-Dichloroethane	5.060	62	6959	0.722	ug/L #	93
33) Benzene	5.018	78	18011	0.479	ug/L	100
34) Trichloroethene	5.847	95	2082	0.208	ug/L	96
51) Chlorobenzene	8.815	112	125195	5.138	ug/L	98
64) 1,3-Dichlorobenzene	11.120	146	6652	0.353	ug/L	96
65) 1,4-Dichlorobenzene	11.210	146	16374	0.888	ug/L	96
67) 1,2-Dichlorobenzene	11.580	146	11809	0.722	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	23754	1.950	ug/L	98
72) 1,2,3-Trichlorobenzene	13.683	180	2882	0.295	ug/L #	85

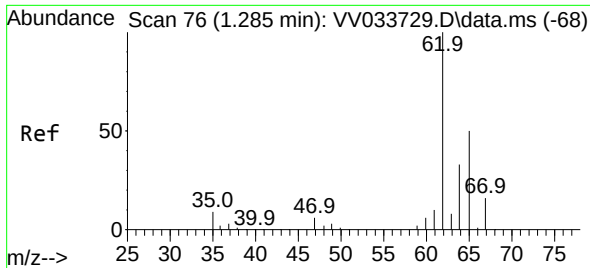
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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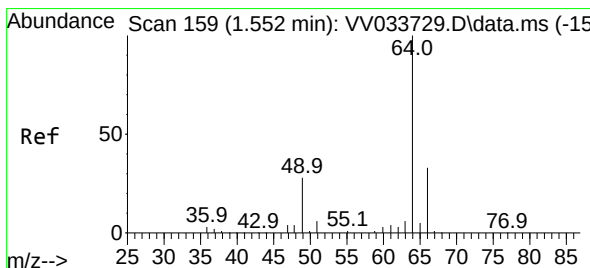
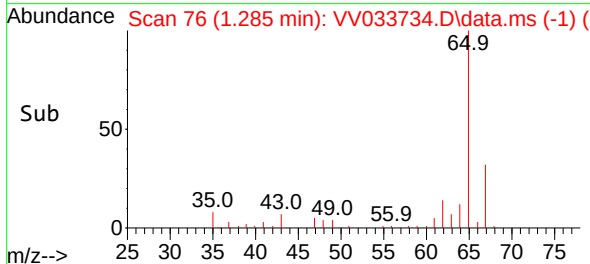
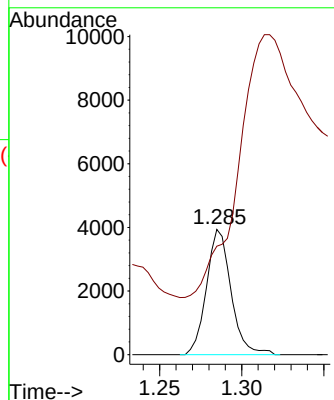
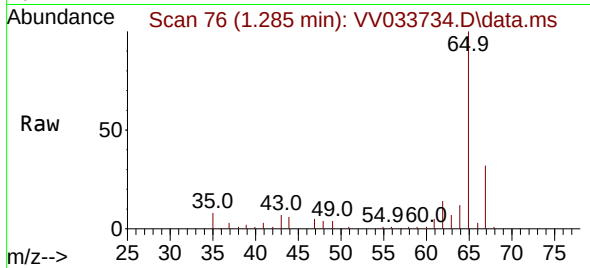




#5
 Vinyl chloride
 Concen: 0.338 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV033734.D
 Acq: 18 Jan 2024 12:31

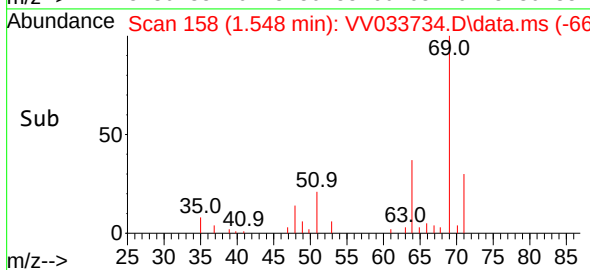
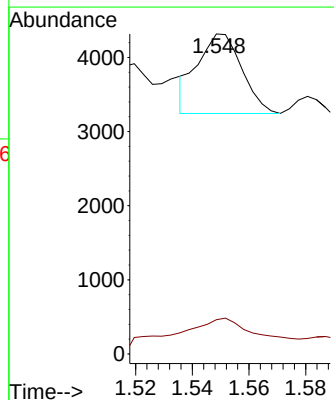
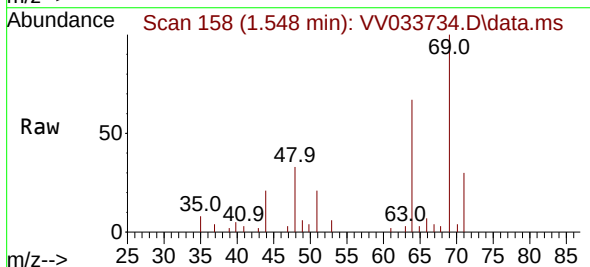
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AZ2DL

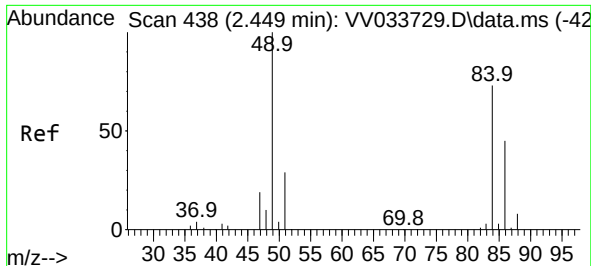
Tgt Ion: 62 Resp: 4095
 Ion Ratio Lower Upper
 62 100
 64 86.6 23.0 42.8#



#8
 Chloroethane
 Concen: 0.159 ug/L
 RT: 1.548 min Scan# 158
 Delta R.T. -0.003 min
 Lab File: VV033734.D
 Acq: 18 Jan 2024 12:31

Tgt Ion: 64 Resp: 1167
 Ion Ratio Lower Upper
 64 100
 66 10.7 22.6 42.0#



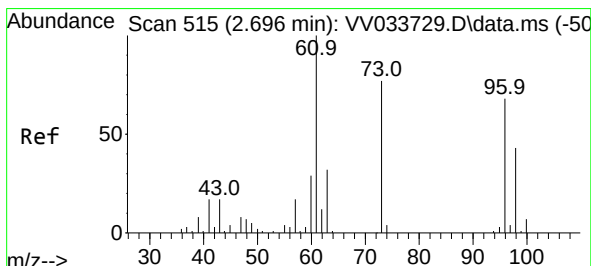
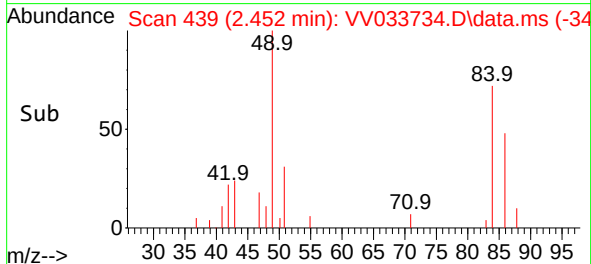
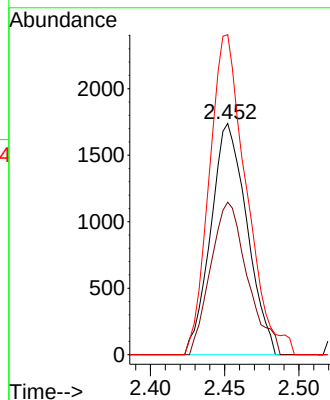
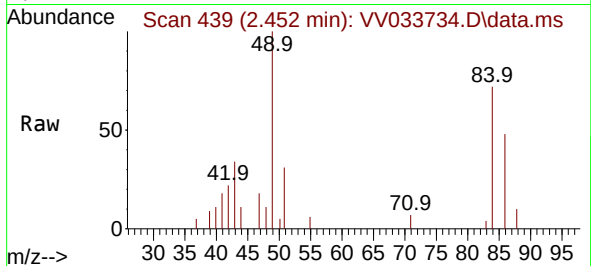


#16
Methylene chloride
Concen: 0.304 ug/L
RT: 2.452 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV033734.D
Acq: 18 Jan 2024 12:31

Instrument :
MSVOA_V
ClientSampleId :
C0AZ2DL

Tgt Ion: 84 Resp: 2944

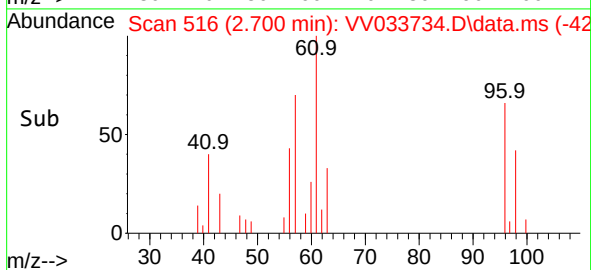
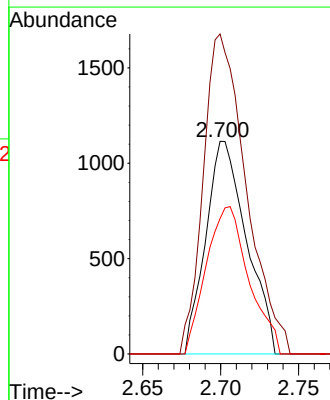
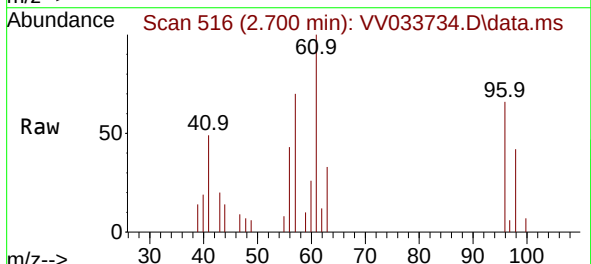
Ion	Ratio	Lower	Upper
84	100		
86	66.0	45.5	84.5
49	138.4	100.3	186.3

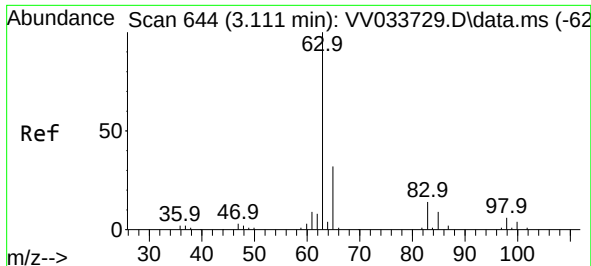


#18
trans-1,2-Dichloroethene
Concen: 0.219 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV033734.D
Acq: 18 Jan 2024 12:31

Tgt Ion: 96 Resp: 2032

Ion	Ratio	Lower	Upper
96	100		
61	150.5	110.4	205.0
98	63.7	44.1	81.9





#19

1,1-Dichloroethane

Concen: 2.193 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV033734.D

Acq: 18 Jan 2024 12:31

Instrument :

MSVOA_V

ClientSampleId :

C0AZ2DL

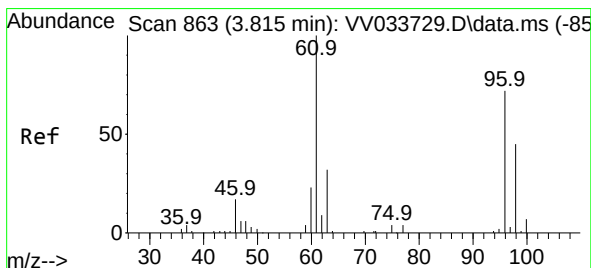
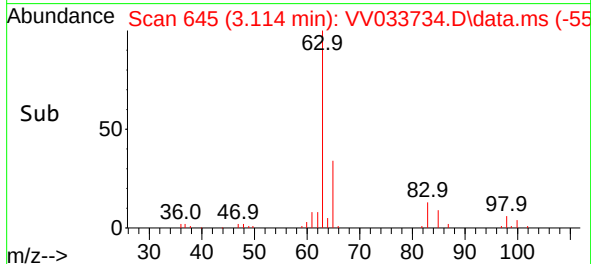
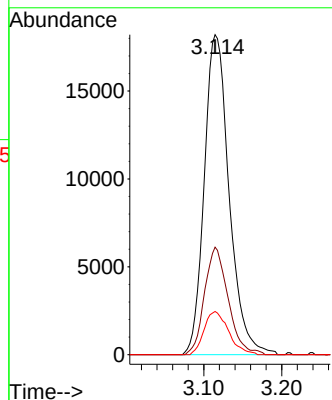
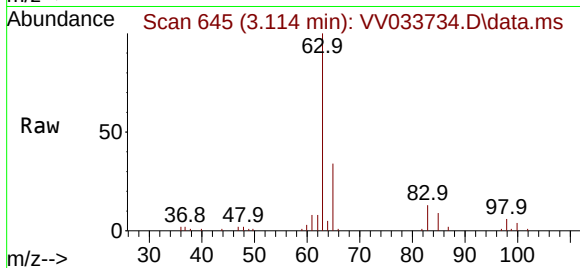
Tgt Ion: 63 Resp: 40409

Ion Ratio Lower Upper

63 100

65 33.6 21.6 40.2

83 13.5 9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 4.992 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.003 min

Lab File: VV033734.D

Acq: 18 Jan 2024 12:31

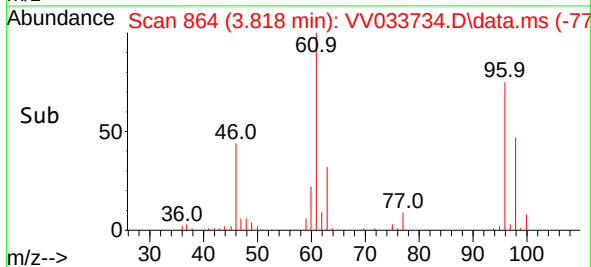
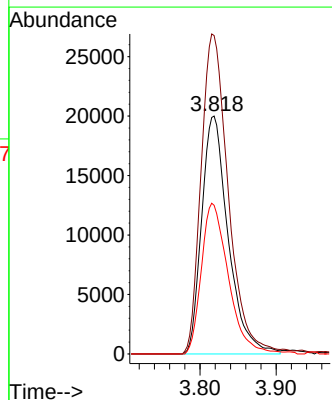
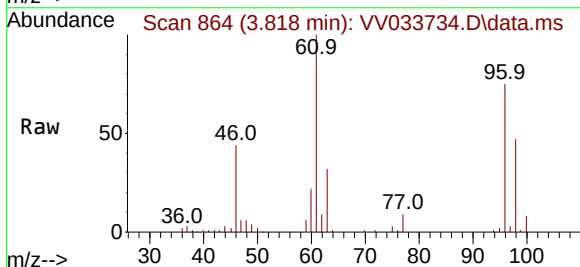
Tgt Ion: 96 Resp: 48461

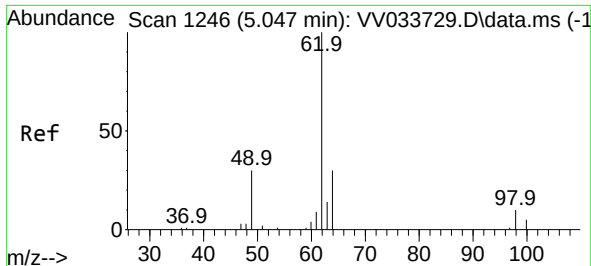
Ion Ratio Lower Upper

96 100

61 133.8 97.1 180.3

98 62.5 42.6 79.0





#27

1,2-Dichloroethane

Concen: 0.722 ug/L

RT: 5.060 min Scan# 11

Delta R.T. 0.013 min

Lab File: VV033734.D

Acq: 18 Jan 2024 12:31

Instrument :

MSVOA_V

ClientSampleId :

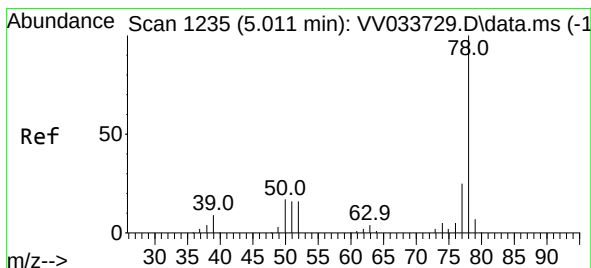
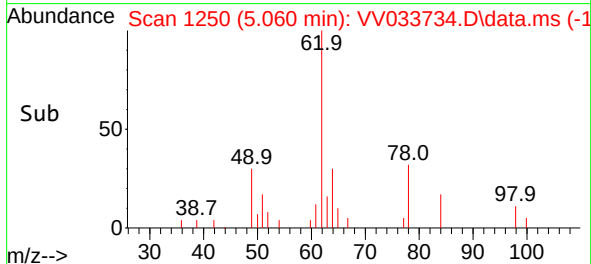
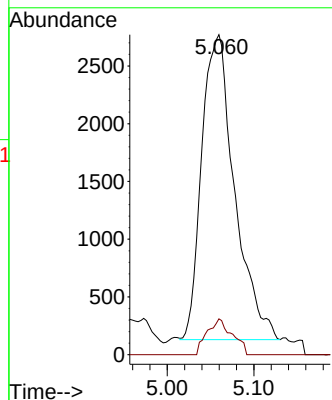
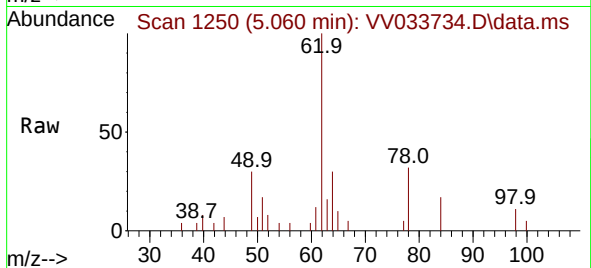
C0AZ2DL

Tgt Ion: 62 Resp: 6959

Ion Ratio Lower Upper

62 100

98 11.2 7.0 10.6#



#33

Benzene

Concen: 0.479 ug/L

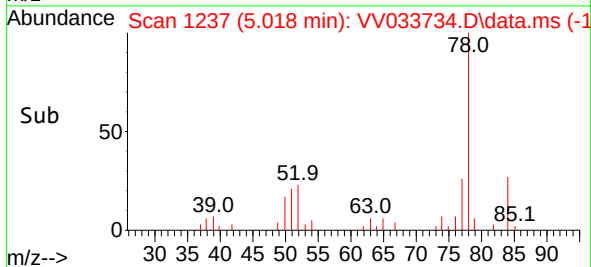
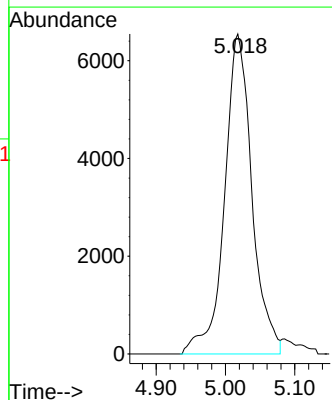
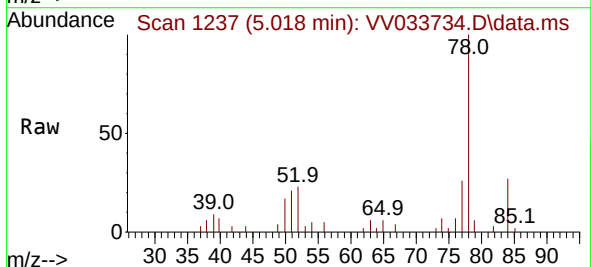
RT: 5.018 min Scan# 1237

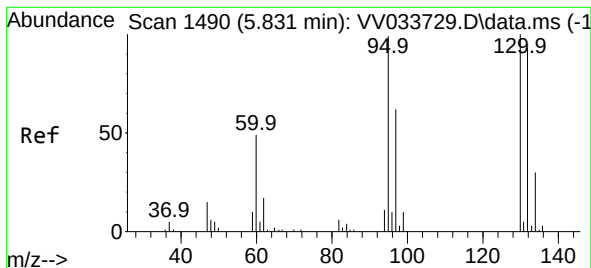
Delta R.T. 0.006 min

Lab File: VV033734.D

Acq: 18 Jan 2024 12:31

Tgt Ion: 78 Resp: 18011





#34

Trichloroethene

Concen: 0.208 ug/L

RT: 5.847 min Scan# 1490

Delta R.T. 0.016 min

Lab File: VV033734.D

Acq: 18 Jan 2024 12:31

Instrument :

MSVOA_V

ClientSampleId :

C0AZ2DL

Tgt Ion: 95 Resp: 2082

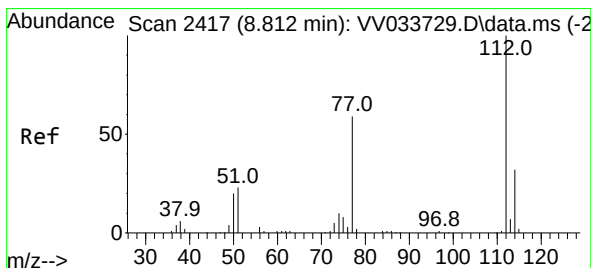
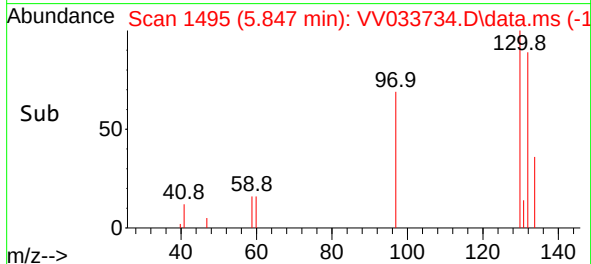
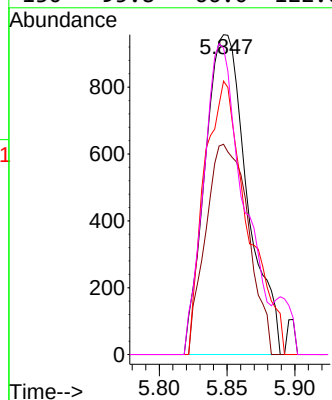
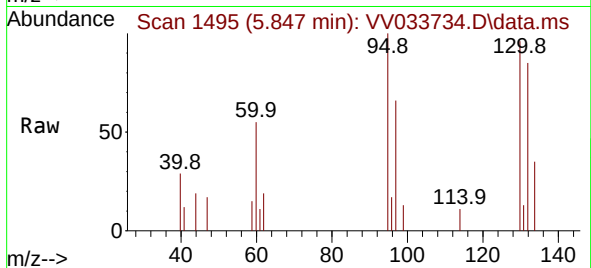
Ion Ratio Lower Upper

95 100

97 65.7 45.1 83.9

132 85.5 65.2 121.2

130 95.8 66.0 122.6



#51

Chlorobenzene

Concen: 5.138 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.003 min

Lab File: VV033734.D

Acq: 18 Jan 2024 12:31

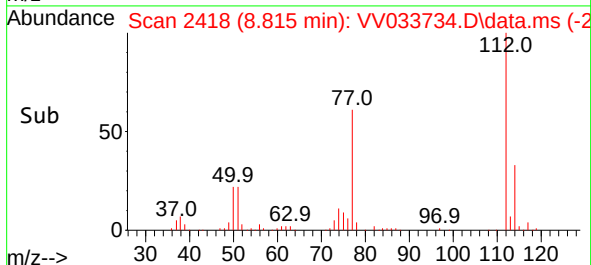
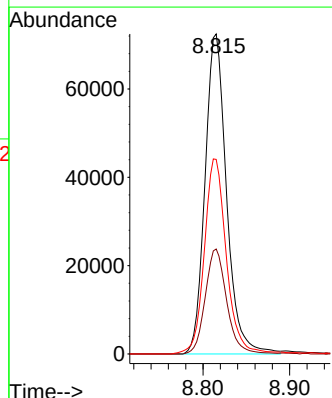
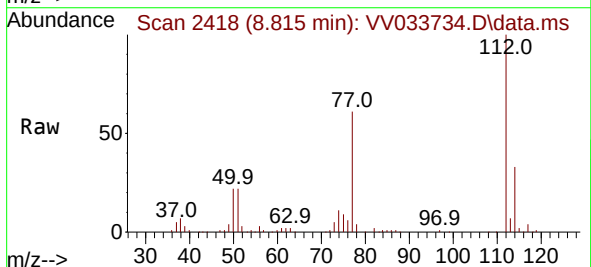
Tgt Ion: 112 Resp: 125195

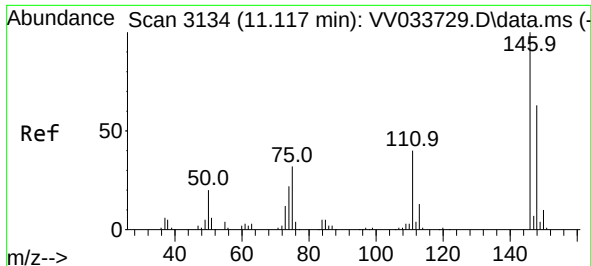
Ion Ratio Lower Upper

112 100

114 32.8 22.9 42.5

77 60.8 50.8 76.2

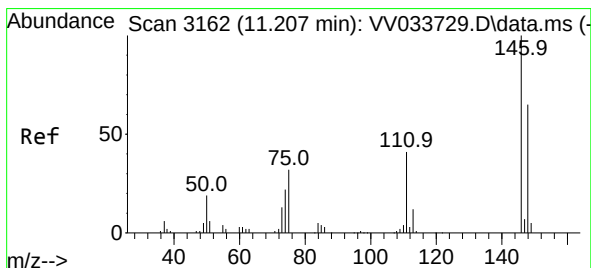
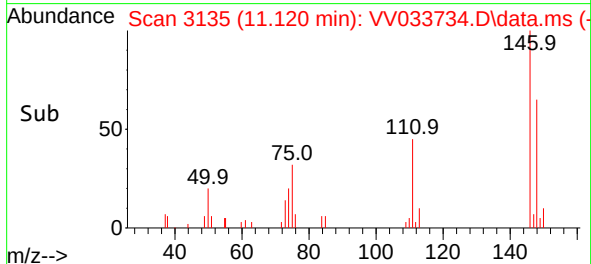
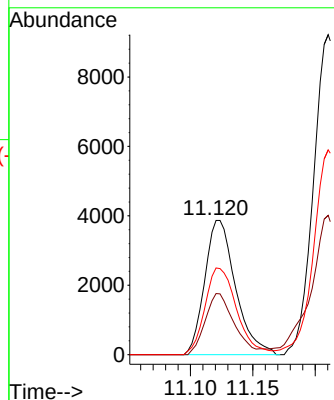
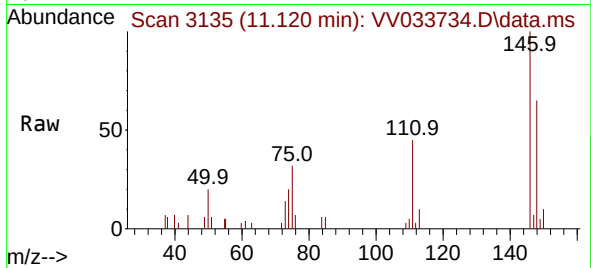




#64
1,3-Dichlorobenzene
Concen: 0.353 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.003 min
Lab File: VV033734.D
Acq: 18 Jan 2024 12:31

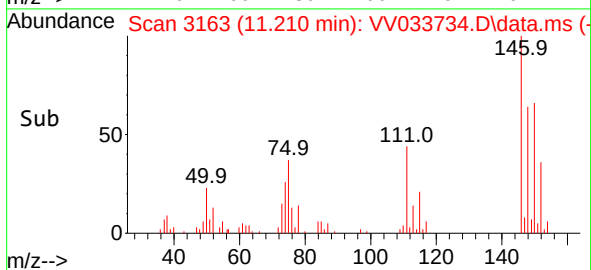
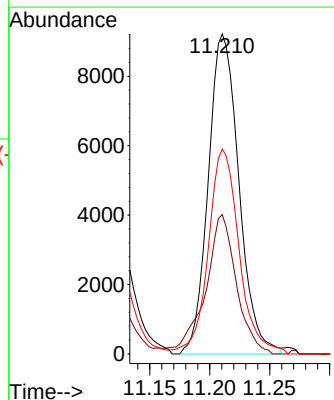
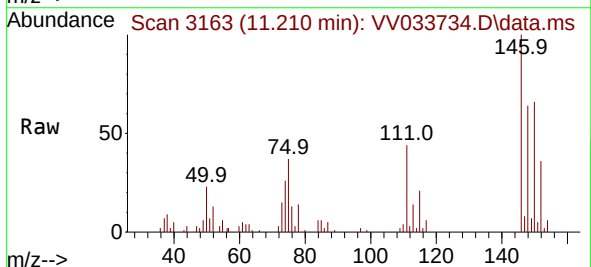
Instrument :
MSVOA_V
ClientSampleId :
C0AZ2DL

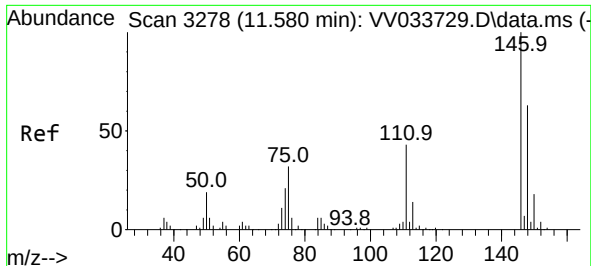
Tgt Ion:146 Resp: 6652
Ion Ratio Lower Upper
146 100
111 45.5 29.2 54.2
148 64.6 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 0.888 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VV033734.D
Acq: 18 Jan 2024 12:31

Tgt Ion:146 Resp: 16374
Ion Ratio Lower Upper
146 100
111 43.6 27.5 51.1
148 64.0 43.3 80.5





#67

1,2-Dichlorobenzene

Concen: 0.722 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033734.D

Acq: 18 Jan 2024 12:31

Instrument :

MSVOA_V

ClientSampleId :

C0AZ2DL

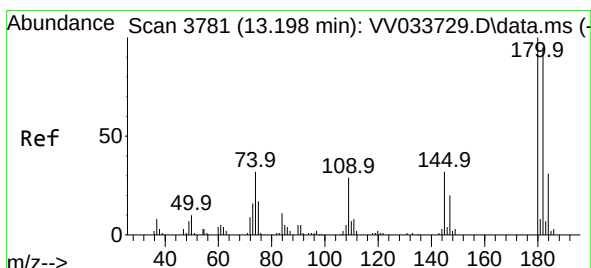
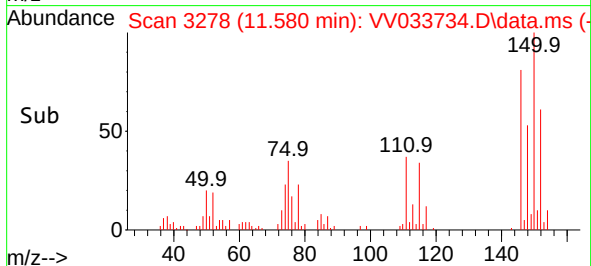
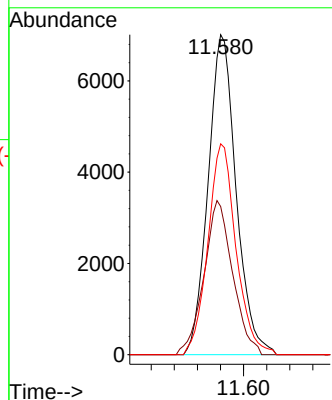
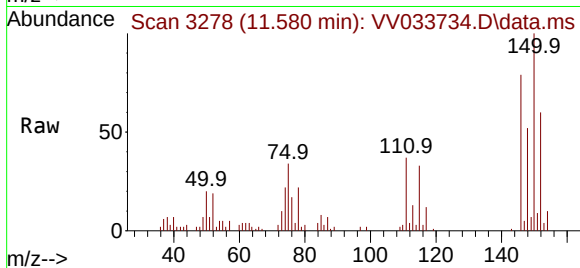
Tgt Ion:146 Resp: 11809

Ion Ratio Lower Upper

146 100

111 46.3 36.1 54.1

148 65.9 52.2 78.2



#70

1,2,4-trichlorobenzene

Concen: 1.950 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033734.D

Acq: 18 Jan 2024 12:31

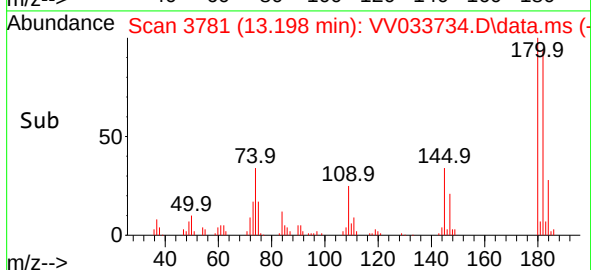
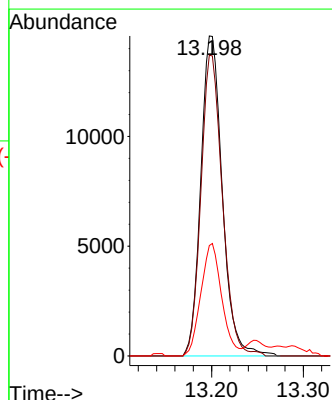
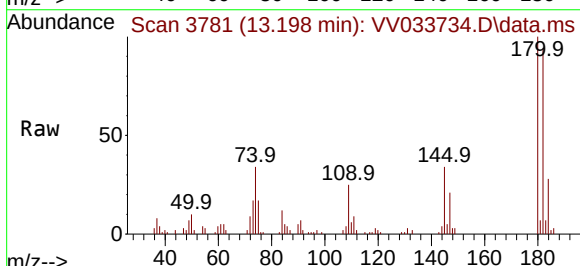
Tgt Ion:180 Resp: 23754

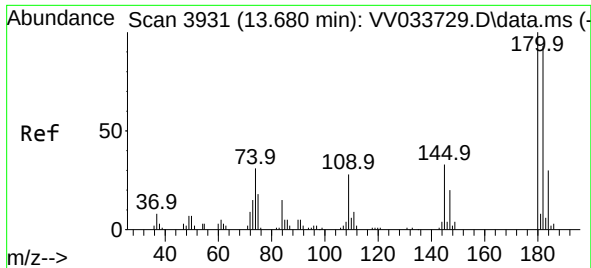
Ion Ratio Lower Upper

180 100

182 93.6 75.0 112.6

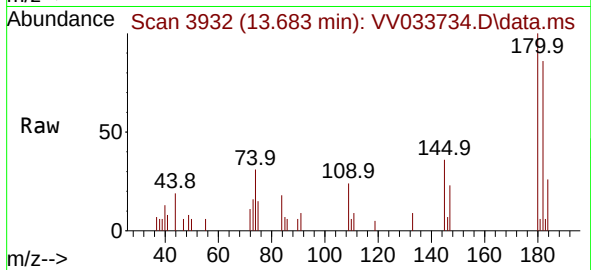
145 34.3 24.8 37.2





#72
 1,2,3-Trichlorobenzene
 Concen: 0.295 ug/L
 RT: 13.683 min Scan# 3931
 Delta R.T. 0.003 min
 Lab File: VV033734.D
 Acq: 18 Jan 2024 12:31

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AZ2DL



Tgt Ion:180 Resp: 2882
 Ion Ratio Lower Upper
 180 100
 182 90.7 75.0 112.6
 145 7.0 26.6 40.0#

