

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011224\
 Data File : VW033598.D
 Acq On : 12 Jan 2024 16:20
 Operator : SY/MD
 Sample : P1108-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 12 23:46:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 12 23:30:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	127918	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	121039	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	62021	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	32984	4.715	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.400%
7) Chloroethane-d5	1.536	69	28503	4.595	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.800%
11) 1,1-Dichloroethene-d2	2.060	65	14911	4.730	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.600%
20) 2-Butanone-d5	3.802	46	81716	47.780	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.560%
24) Chloroform-d	4.253	84	70848	4.684	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	4.947	65	35328	5.209	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.200%
32) Benzene-d6	4.963	84	139088	4.762	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
36) 1,2-Dichloropropane-d6	5.992	67	46386	4.764	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.200%
41) Toluene-d8	7.246	98	123620	4.741	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
43) trans-1,3-Dichloroprop...	7.564	79	16543	4.914	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.200%
46) 2-Hexanone-d5	8.027	63	66591	50.386	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.780%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	28348	4.983	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.600%
66) 1,2-Dichlorobenzene-d4	11.561	152	45642	4.793	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.285	62	5585	0.420	ug/L	89
8) Chloroethane	1.282	64	2781	0.344	ug/L	94
15) Methyl Acetate	2.442	43	18194	5.483	ug/L #	56
19) 1,1-Dichloroethane	3.118	63	6904	0.341	ug/L	94
22) cis-1,2-Dichloroethene	3.822	96	33610	3.151	ug/L	94
27) 1,2-Dichloroethane	5.060	62	3568	0.337	ug/L #	90
30) Cyclohexane	4.584	56	13437	0.653	ug/L	91
33) Benzene	5.018	78	18541	0.431	ug/L	100
34) Trichloroethene	5.844	95	4633	0.405	ug/L	91
35) Methylcyclohexane	6.043	83	4905	0.253	ug/L #	61
38) Bromodichloromethane	6.487	83	2775	0.213	ug/L #	25
39) cis-1,3-Dichloropropene	6.918	75	1069	0.070	ug/L #	28
45) 1,1,2-Trichloroethane	7.719	97	3750	0.632	ug/L #	21
48) 2-Hexanone	8.088	43	11138	3.099	ug/L #	94
51) Chlorobenzene	8.812	112	335157	12.038	ug/L	98
60) Isopropylbenzene	9.870	105	11255	0.229	ug/L #	82
61) 1,2,3-Trichloropropane	11.120	75	8811	1.772	ug/L #	51
64) 1,3-Dichlorobenzene	11.120	146	26189	1.207	ug/L	97
65) 1,4-Dichlorobenzene	11.210	146	43393	2.042	ug/L	97

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ALS Vial : 18 Sample Multiplier: 1

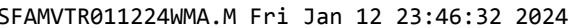
Instrument :
MSVOA_V
ClientSampleId :

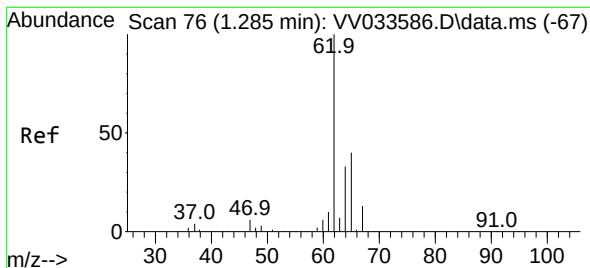
Quant Time: Jan 12 23:46:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jan 12 23:30:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.580	146	7368	0.391	ug/L	94
71) Naphthalene	13.448	128	3217	0.137	ug/L #	76

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

Quant Time: Jan 12 23:46:21 2024
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#5

Vinyl chloride

Concen: 0.420 ug/L

RT: 1.285 min Scan# 70

Delta R.T. 0.000 min

Lab File: VV033598.D

Acq: 12 Jan 2024 16:20

Instrument :

MSVOA_V

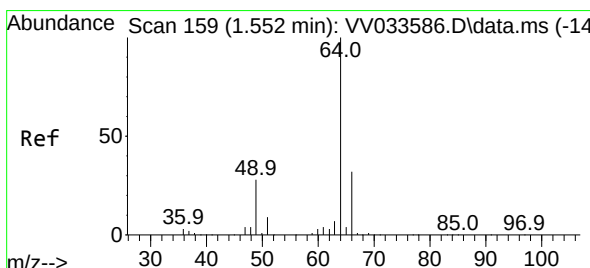
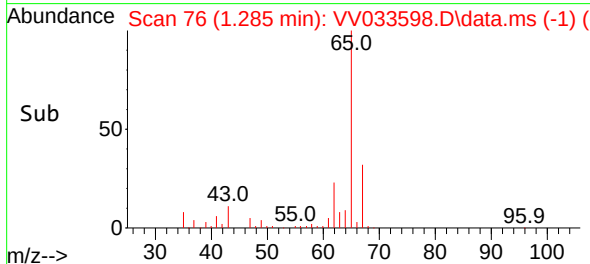
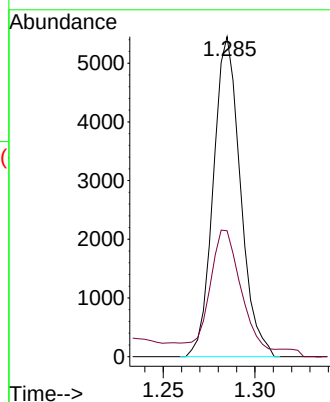
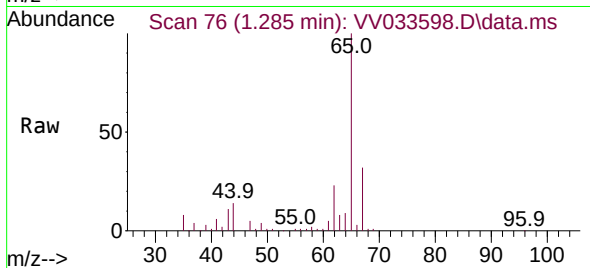
ClientSampleId :

Tgt Ion: 62 Resp: 5585

Ion Ratio Lower Upper

62 100

64 39.3 23.0 42.8



#8

Chloroethane

Concen: 0.344 ug/L

RT: 1.282 min Scan# 75

Delta R.T. -0.270 min

Lab File: VV033598.D

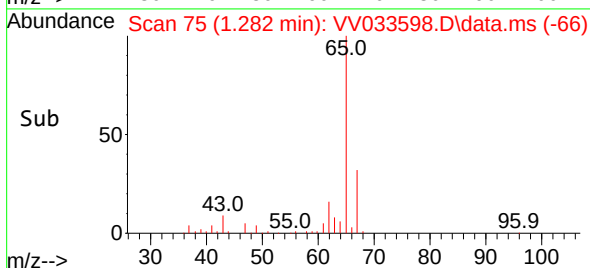
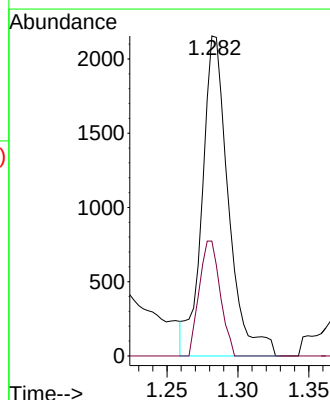
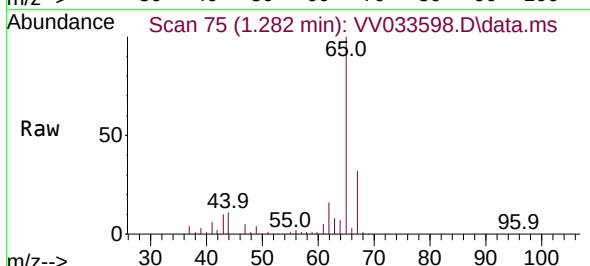
Acq: 12 Jan 2024 16:20

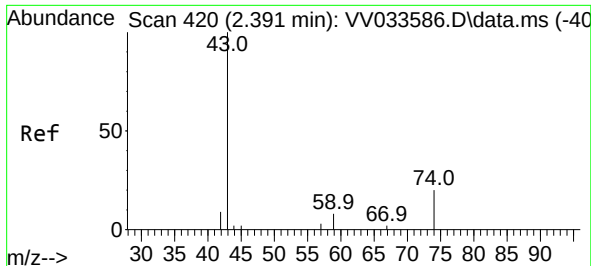
Tgt Ion: 64 Resp: 2781

Ion Ratio Lower Upper

64 100

66 35.9 22.6 42.0





#15

Methyl Acetate

Concen: 5.483 ug/L

RT: 2.442 min Scan# 41

Delta R.T. 0.052 min

Lab File: VV033598.D

Acq: 12 Jan 2024 16:20

Instrument :

MSVOA_V

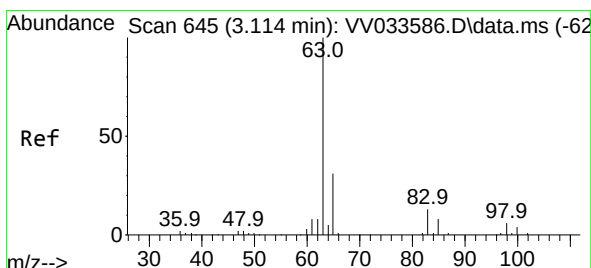
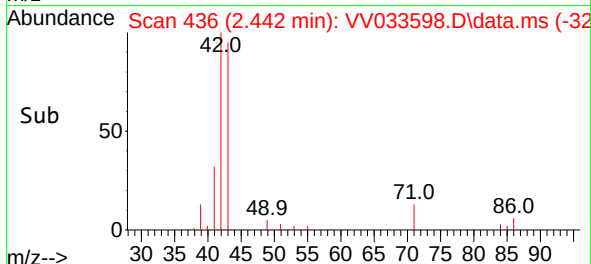
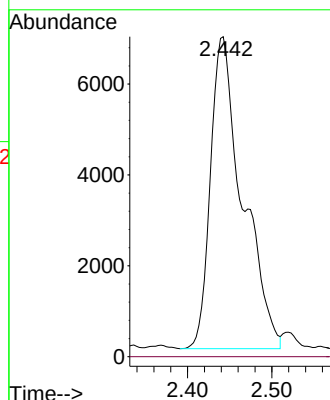
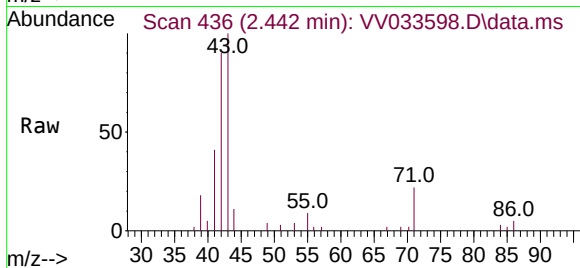
ClientSampleId :

Tgt Ion: 43 Resp: 18194

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#19

1,1-Dichloroethane

Concen: 0.341 ug/L

RT: 3.118 min Scan# 646

Delta R.T. 0.003 min

Lab File: VV033598.D

Acq: 12 Jan 2024 16:20

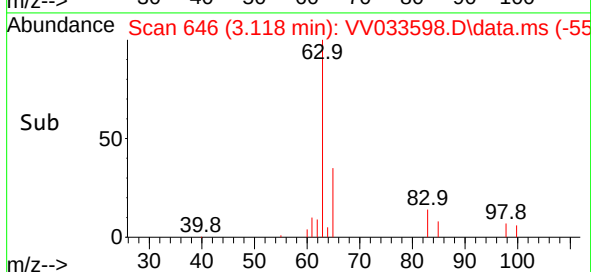
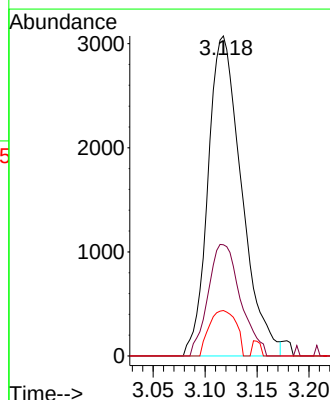
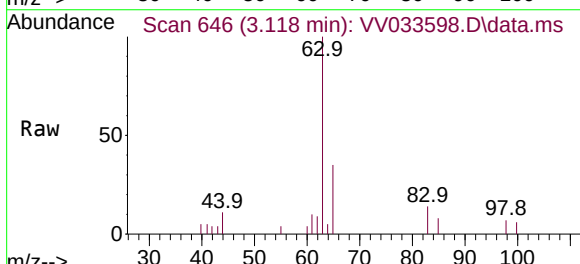
Tgt Ion: 63 Resp: 6904

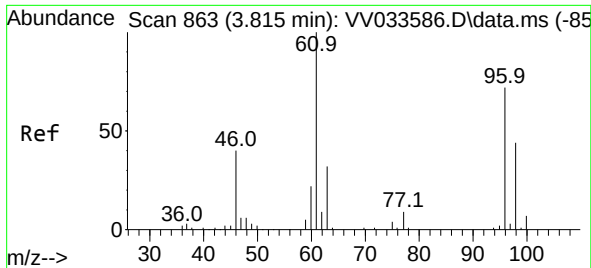
Ion Ratio Lower Upper

63 100

65 34.7 21.6 40.2

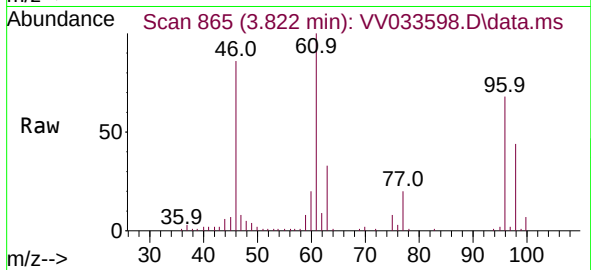
83 14.2 9.1 16.9



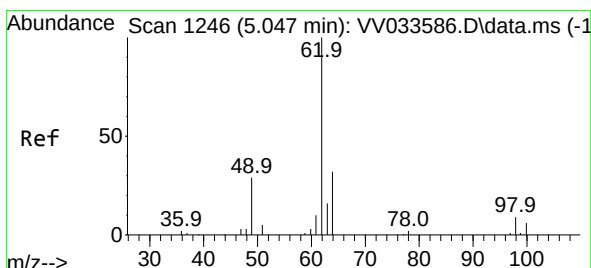
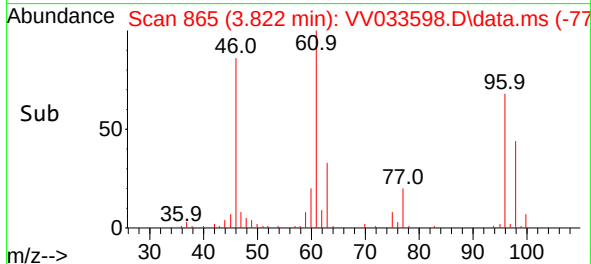
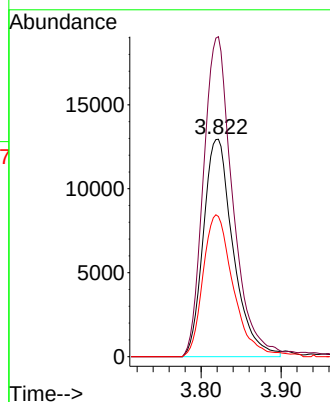


#22
 cis-1,2-Dichloroethene
 Concen: 3.151 ug/L
 RT: 3.822 min Scan# 865
 Delta R.T. 0.007 min
 Lab File: VV033598.D
 Acq: 12 Jan 2024 16:20

Instrument :
 MSVOA_V
 ClientSampleId :

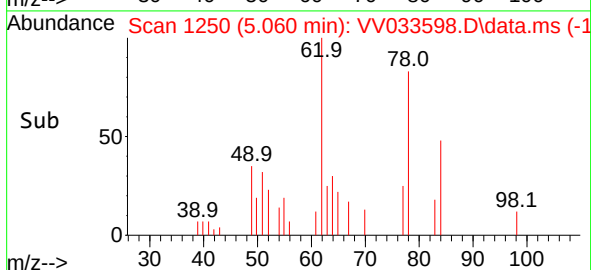
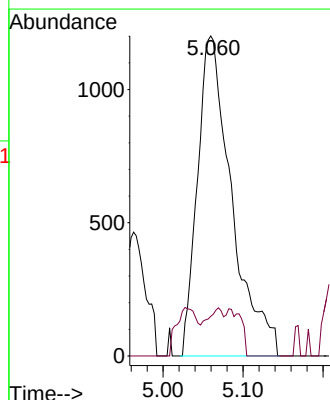
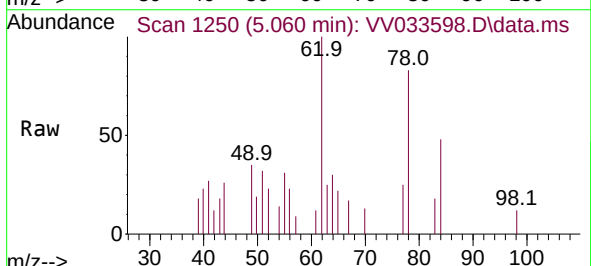


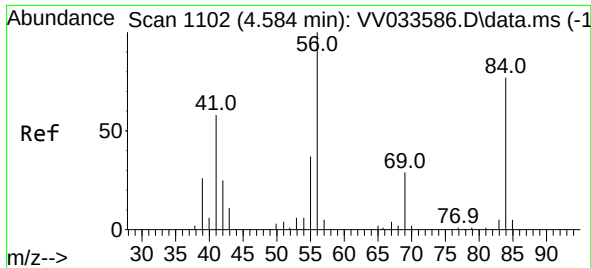
Tgt Ion: 96 Resp: 33610
 Ion Ratio Lower Upper
 96 100
 61 147.1 97.1 180.3
 98 64.5 42.6 79.0



#27
 1,2-Dichloroethane
 Concen: 0.337 ug/L
 RT: 5.060 min Scan# 1250
 Delta R.T. 0.013 min
 Lab File: VV033598.D
 Acq: 12 Jan 2024 16:20

Tgt Ion: 62 Resp: 3568
 Ion Ratio Lower Upper
 62 100
 98 12.4 7.0 10.6#

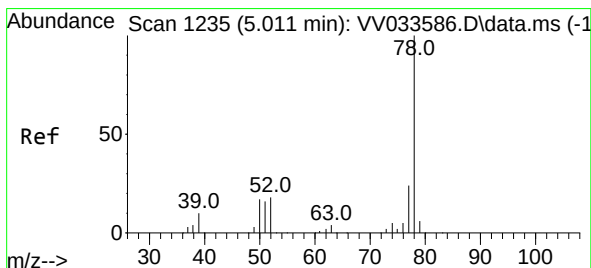
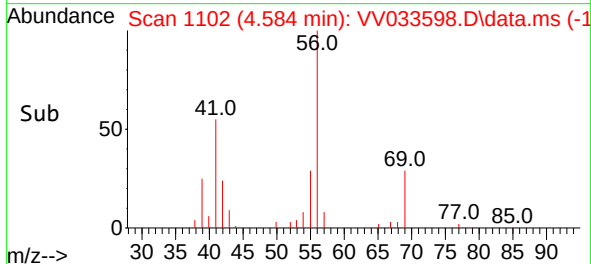
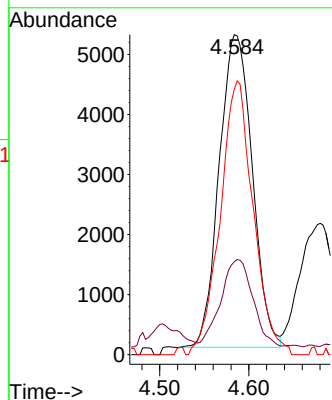
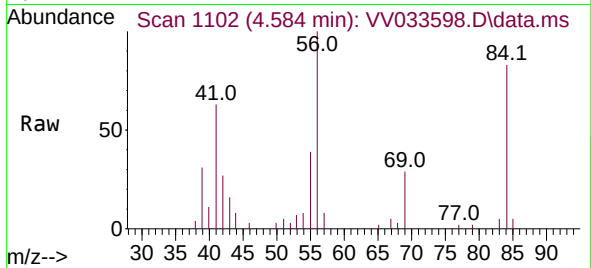




#30
Cyclohexane
Concen: 0.653 ug/L
RT: 4.584 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VV033598.D
Acq: 12 Jan 2024 16:20

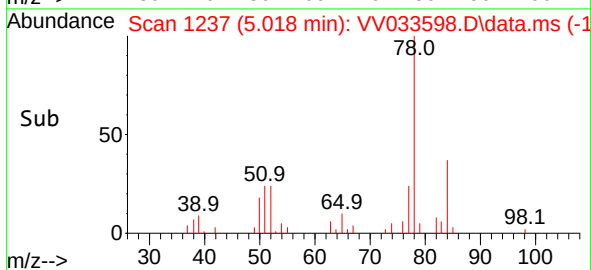
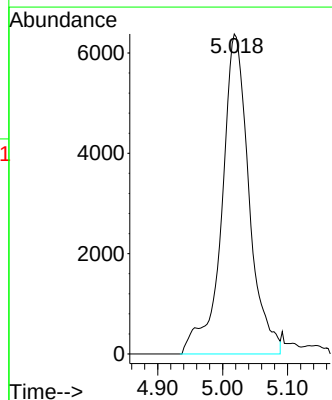
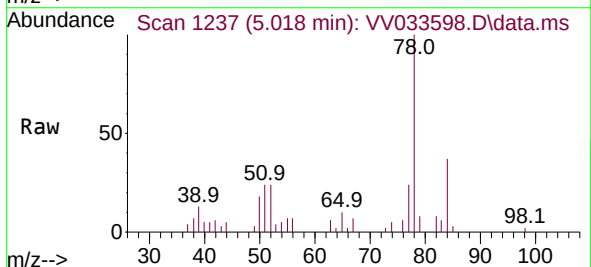
Instrument :
MSVOA_V
ClientSampleId :

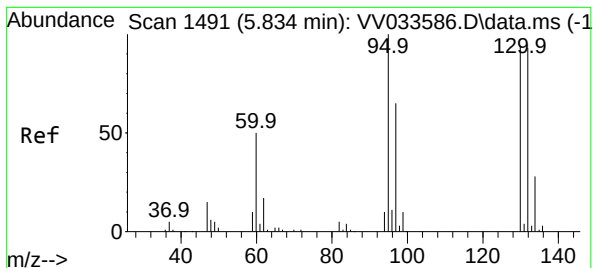
Tgt Ion: 56	Resp: 13437
Ion Ratio	Lower Upper
56	100
69	28.2 23.3 34.9
84	87.3 61.7 92.5



#33
Benzene
Concen: 0.431 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.007 min
Lab File: VV033598.D
Acq: 12 Jan 2024 16:20

Tgt Ion: 78 Resp: 18541





#34

Trichloroethene

Concen: 0.405 ug/L

RT: 5.844 min Scan# 1491

Delta R.T. 0.010 min

Lab File: VV033598.D

Acq: 12 Jan 2024 16:20

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 4633

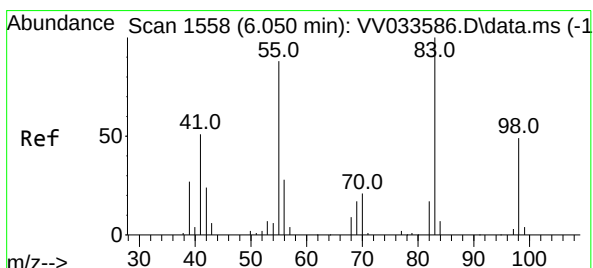
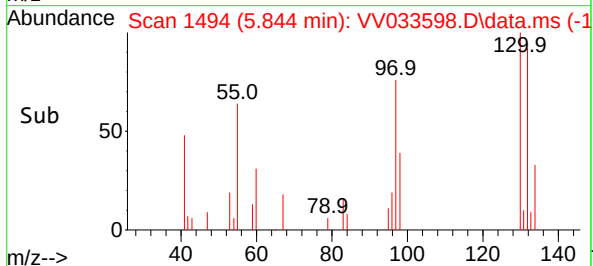
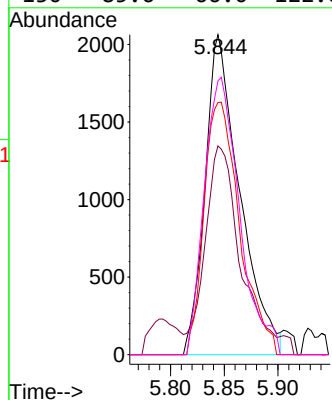
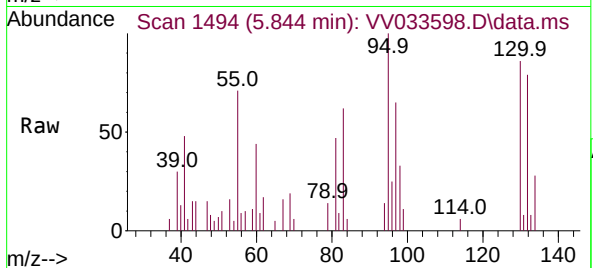
Ion Ratio Lower Upper

95 100

97 65.2 45.1 83.9

132 78.8 65.2 121.2

130 85.6 66.0 122.6



#35

Methylcyclohexane

Concen: 0.253 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.006 min

Lab File: VV033598.D

Acq: 12 Jan 2024 16:20

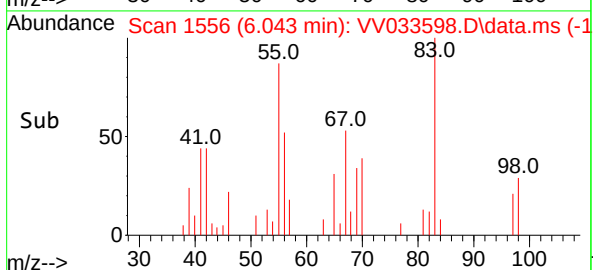
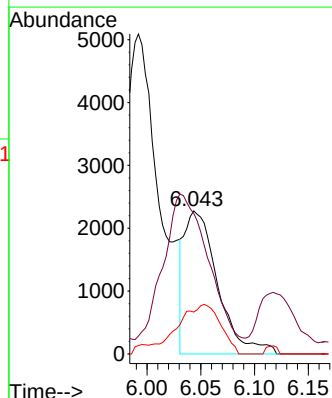
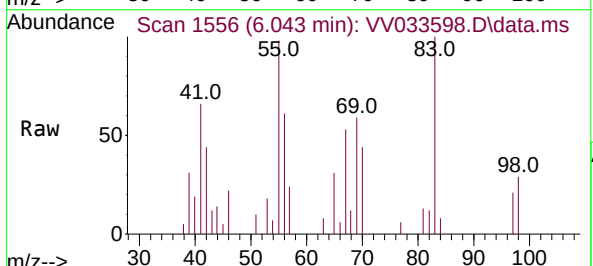
Tgt Ion: 83 Resp: 4905

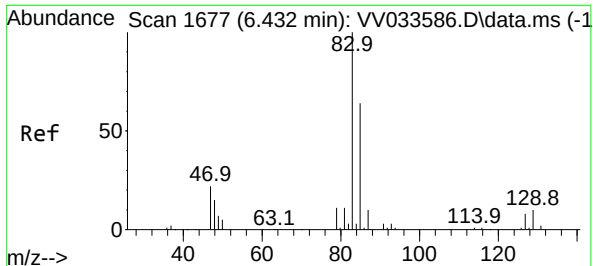
Ion Ratio Lower Upper

83 100

55 141.5 68.7 103.1#

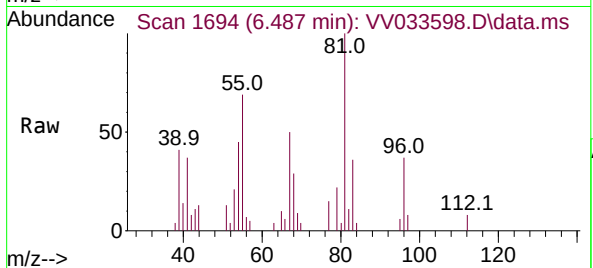
98 47.3 38.3 57.5



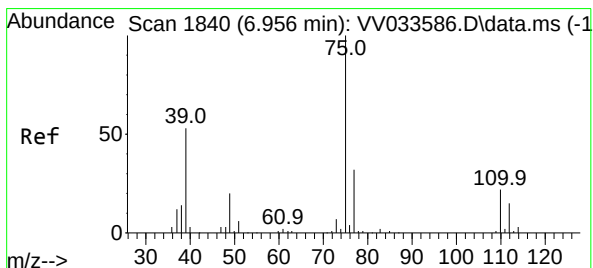
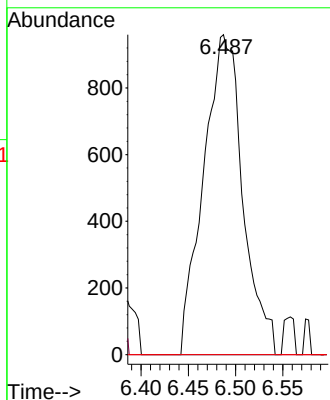
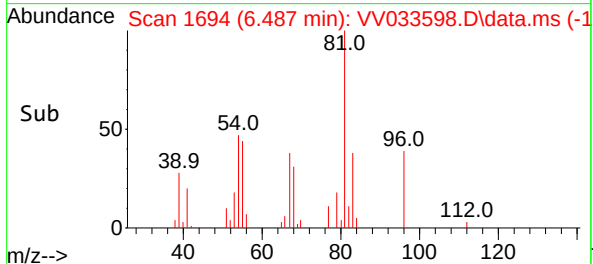


#38
Bromodichloromethane
Concen: 0.213 ug/L
RT: 6.487 min Scan# 1
Delta R.T. 0.055 min
Lab File: VV033598.D
Acq: 12 Jan 2024 16:20

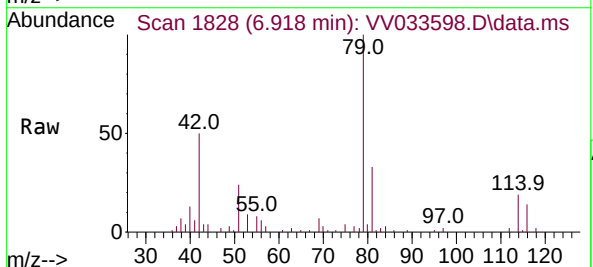
Instrument :
MSVOA_V
ClientSampleId :



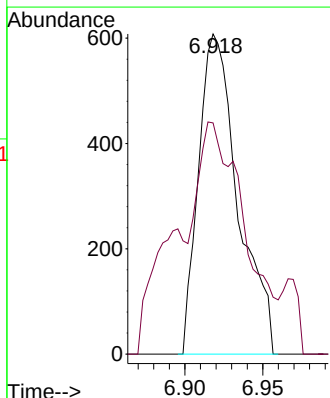
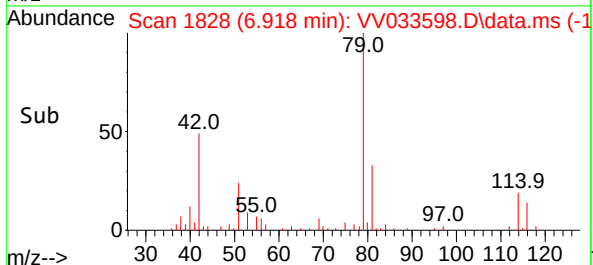
Tgt Ion: 83 Resp: 2775
Ion Ratio Lower Upper
83 100
85 0.0 45.1 83.9#
127 0.0 6.6 9.8#

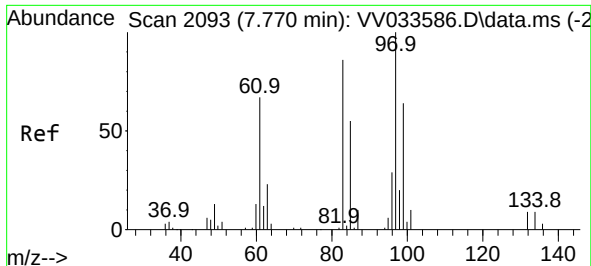


#39
cis-1,3-Dichloropropene
Concen: 0.070 ug/L
RT: 6.918 min Scan# 1828
Delta R.T. -0.038 min
Lab File: VV033598.D
Acq: 12 Jan 2024 16:20



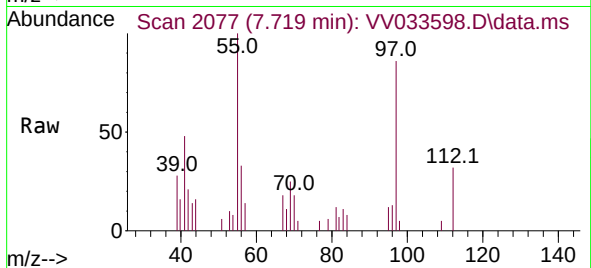
Tgt Ion: 75 Resp: 1069
Ion Ratio Lower Upper
75 100
77 72.2 22.5 41.7#



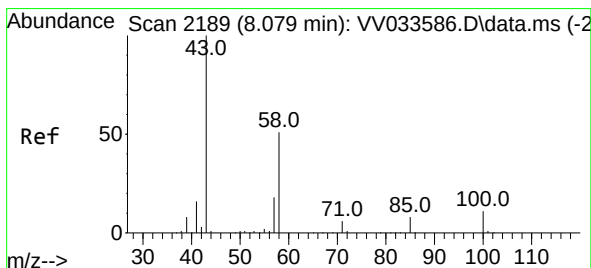
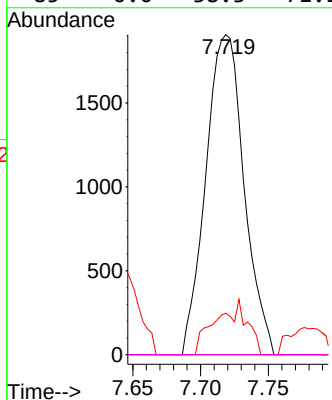
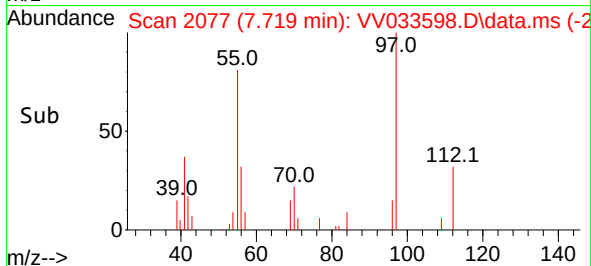


#45
1,1,2-Trichloroethane
Concen: 0.632 ug/L
RT: 7.719 min Scan# 2093
Delta R.T. -0.051 min
Lab File: VV033598.D
Acq: 12 Jan 2024 16:20

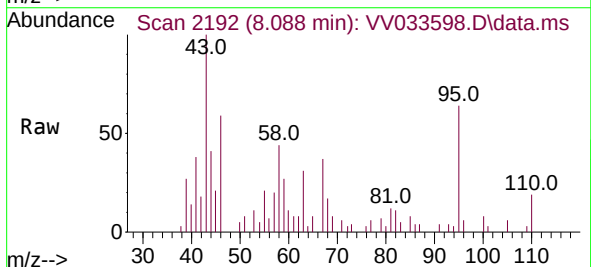
Instrument :
MSVOA_V
ClientSampleId :



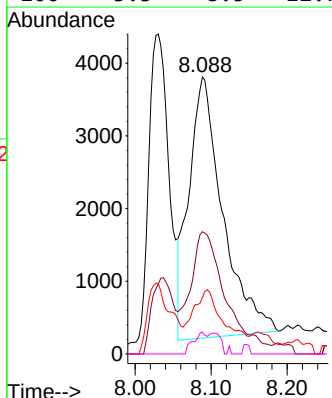
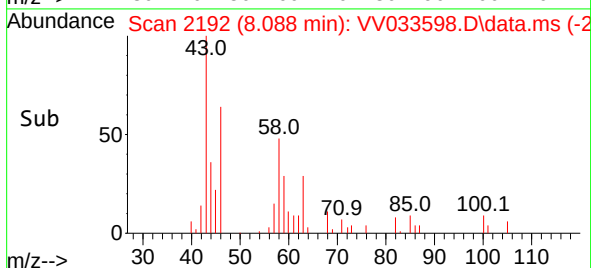
Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.9	83.3#
83	13.0	60.5	112.3#
85	0.0	38.3	71.1#

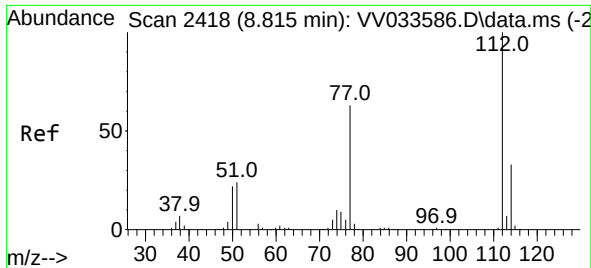


#48
2-Hexanone
Concen: 3.099 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. 0.010 min
Lab File: VV033598.D
Acq: 12 Jan 2024 16:20



Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.5	40.6	61.0
57	21.0	13.8	20.8#
100	3.3	8.5	12.7#

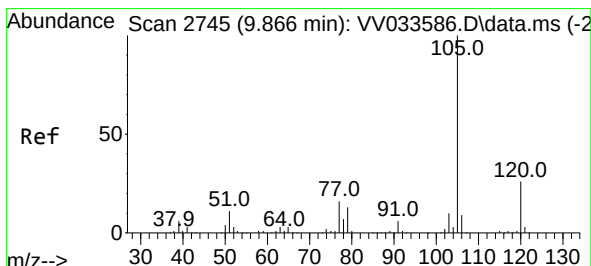
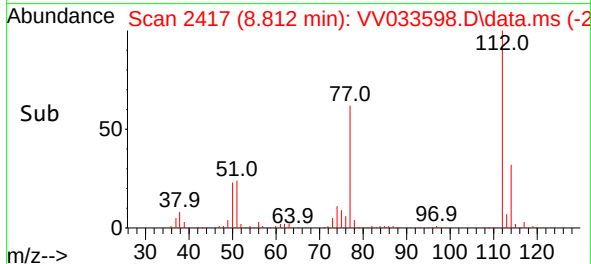
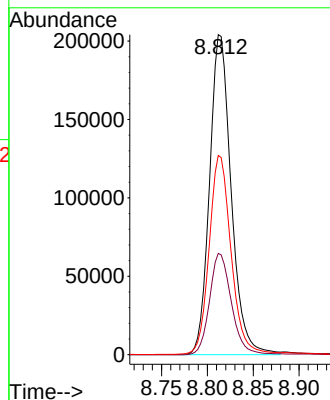
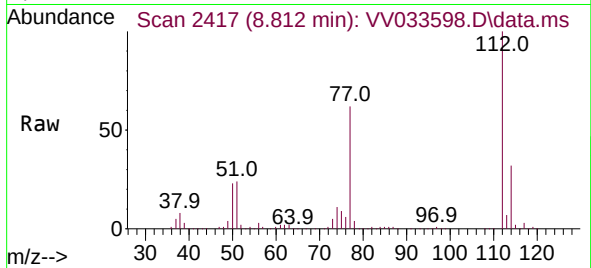




#51
Chlorobenzene
Concen: 12.038 ug/L
RT: 8.812 min Scan# 2418
Delta R.T. -0.003 min
Lab File: VV033598.D
Acq: 12 Jan 2024 16:20

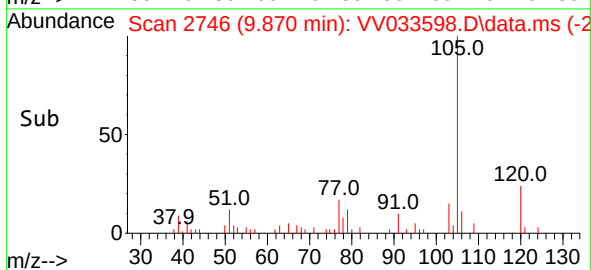
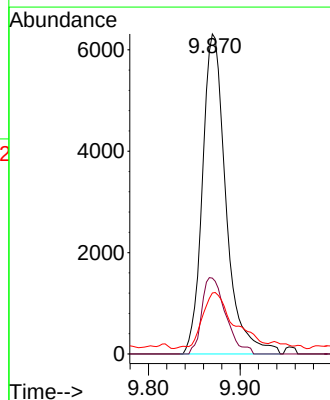
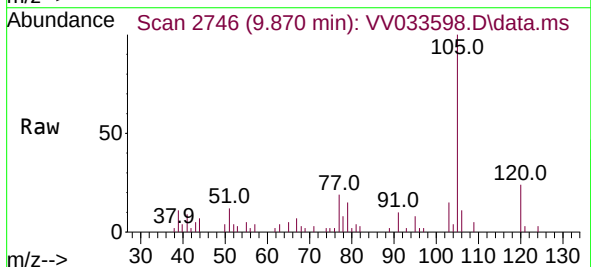
Instrument :
MSVOA_V
ClientSampleId :

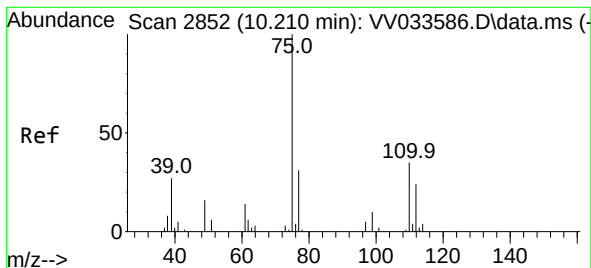
Tgt Ion:112 Resp: 335157
Ion Ratio Lower Upper
112 100
114 31.6 22.9 42.5
77 62.3 50.8 76.2



#60
Isopropylbenzene
Concen: 0.229 ug/L
RT: 9.870 min Scan# 2746
Delta R.T. 0.003 min
Lab File: VV033598.D
Acq: 12 Jan 2024 16:20

Tgt Ion:105 Resp: 11255
Ion Ratio Lower Upper
105 100
120 24.1 21.0 31.6
77 0.0 13.4 20.0#





#61

1,2,3-Trichloropropane

Concen: 1.772 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.910 min

Lab File: VV033598.D

Acq: 12 Jan 2024 16:20

Instrument :

MSVOA_V

ClientSampleId :

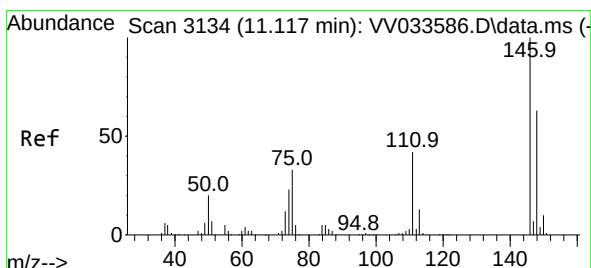
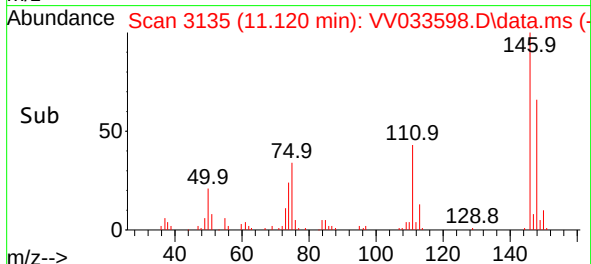
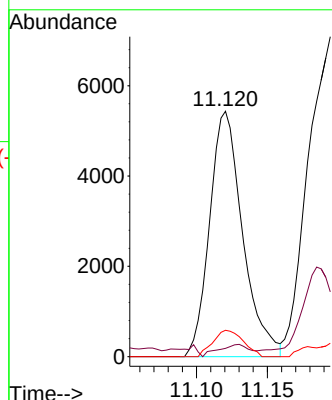
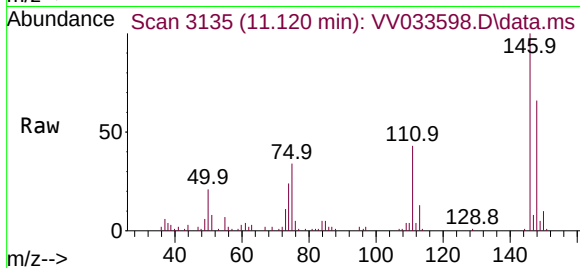
Tgt Ion: 75 Resp: 8811

Ion Ratio Lower Upper

75 100

77 0.0 24.7 37.1#

110 9.9 28.0 42.0#



#64

1,3-Dichlorobenzene

Concen: 1.207 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.003 min

Lab File: VV033598.D

Acq: 12 Jan 2024 16:20

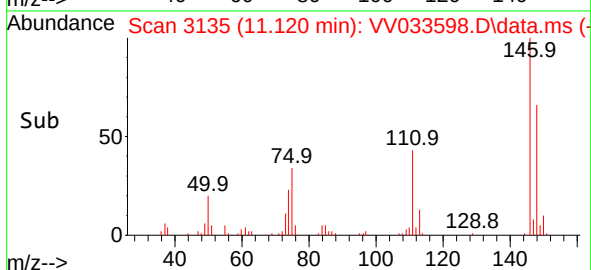
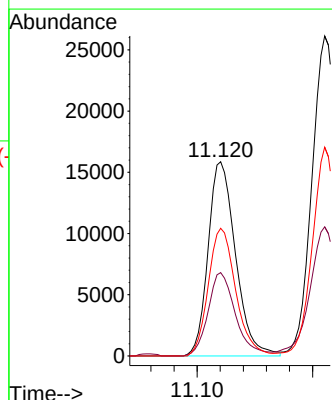
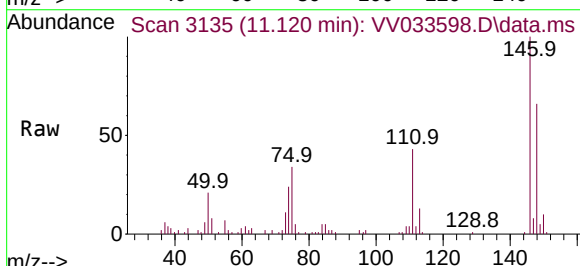
Tgt Ion:146 Resp: 26189

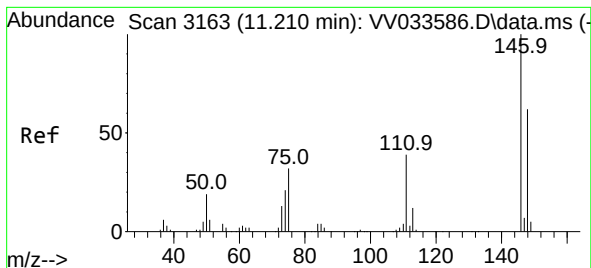
Ion Ratio Lower Upper

146 100

111 42.9 29.2 54.2

148 65.8 44.1 81.9





#65

1,4-Dichlorobenzene

Concen: 2.042 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV033598.D

Acq: 12 Jan 2024 16:20

Instrument :

MSVOA_V

ClientSampleId :

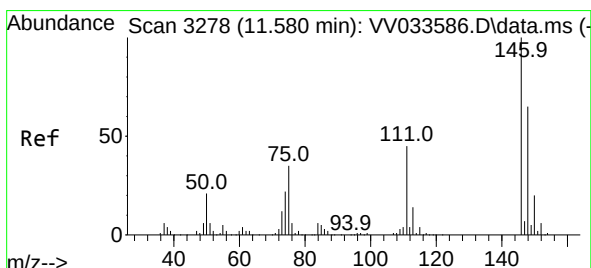
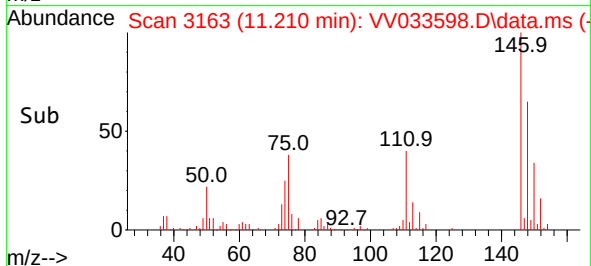
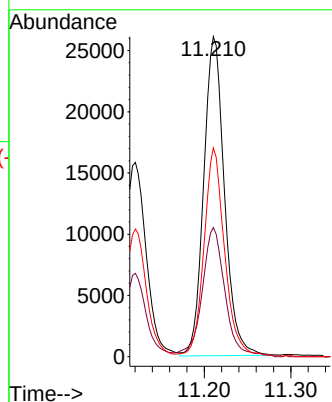
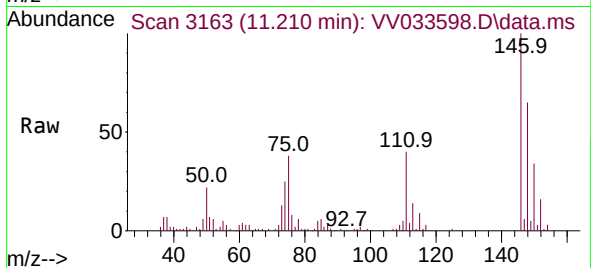
Tgt Ion:146 Resp: 43393

Ion Ratio Lower Upper

146 100

111 40.4 27.5 51.1

148 65.3 43.3 80.5



#67

1,2-Dichlorobenzene

Concen: 0.391 ug/L

RT: 11.580 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VV033598.D

Acq: 12 Jan 2024 16:20

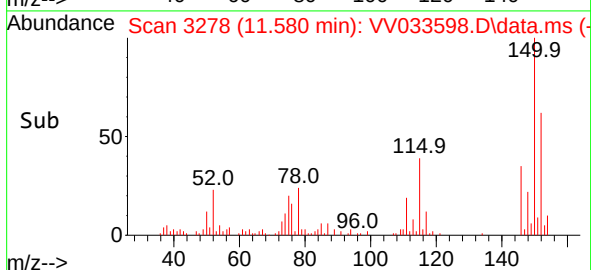
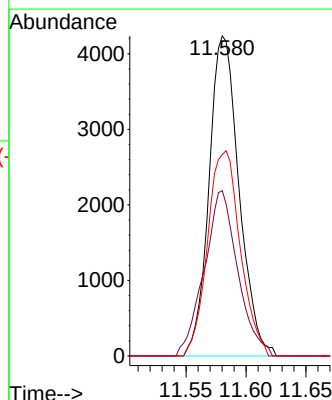
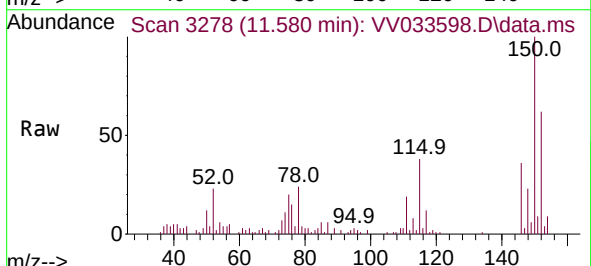
Tgt Ion:146 Resp: 7368

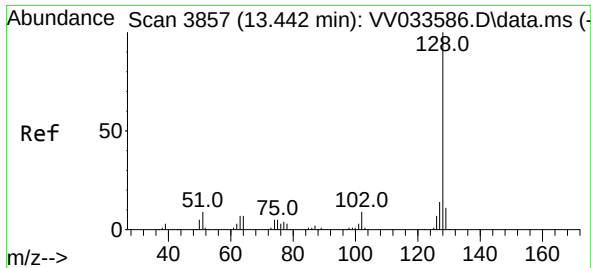
Ion Ratio Lower Upper

146 100

111 51.7 36.1 54.1

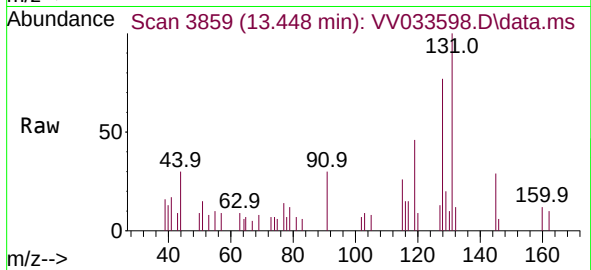
148 63.0 52.2 78.2





#71
Naphthalene
Concen: 0.137 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.007 min
Lab File: VV033598.D
Acq: 12 Jan 2024 16:20

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 3217
Ion Ratio Lower Upper
128 100
129 0.0 8.8 13.2#
127 21.1 10.4 15.6#

