

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011224\
 Data File : VW033596.D
 Acq On : 12 Jan 2024 15:33
 Operator : SY/MD
 Sample : P1108-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 12 23:44:37 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	5.539	114	127159	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	119372	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	59145	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	33878	4.872	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.400%
7) Chloroethane-d5	1.532	69	30739	4.985	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.600%
11) 1,1-Dichloroethene-d2	2.060	65	15649	4.994	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.800%
20) 2-Butanone-d5	3.796	46	85794	50.464	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.920%
24) Chloroform-d	4.253	84	72589	4.827	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	4.947	65	35843	5.316	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.400%
32) Benzene-d6	4.963	84	142595	4.951	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	5.992	67	46734	4.867	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.400%
41) Toluene-d8	7.246	98	125539	4.882	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
43) trans-1,3-Dichloroprop...	7.561	79	15988	4.816	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.400%
46) 2-Hexanone-d5	8.027	63	65560	50.298	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.600%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	29272	5.217	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.400%
66) 1,2-Dichlorobenzene-d4	11.561	152	45863	5.050	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	1074	0.077	ug/L	89
5) Vinyl chloride	1.285	62	15598	1.179	ug/L	95
12) 1,1-Dichloroethene	2.073	96	1439	0.161	ug/L #	1
18) trans-1,2-Dichloroethene	2.703	96	1151	0.114	ug/L	85
19) 1,1-Dichloroethane	3.118	63	17875	0.888	ug/L	100
22) cis-1,2-Dichloroethene	3.815	96	243381	22.956	ug/L	98
27) 1,2-Dichloroethane	5.060	62	3321	0.316	ug/L	100
29) 1,1,1-Trichloroethane	4.516	97	4493	0.265	ug/L #	90
33) Benzene	5.018	78	48651	1.148	ug/L	100
34) Trichloroethene	5.835	95	55905	4.955	ug/L	97
35) Methylcyclohexane	5.992	83	10526	0.551	ug/L #	15
37) 1,2-Dichloropropane	6.108	63	1315	0.125	ug/L #	87
39) cis-1,3-Dichloropropene	6.918	75	1307	0.087	ug/L #	62
42) Toluene	7.330	91	4003	0.089	ug/L	97
47) Tetrachloroethene	7.908	164	7884	0.973	ug/L	91
48) 2-Hexanone	8.088	43	9326	2.631	ug/L #	50
49) Dibromochloromethane	7.908	129	7124	0.978	ug/L #	11
51) Chlorobenzene	8.822	112	2434	0.089	ug/L #	84
54) o-Xylene	9.484	106	7594	0.408	ug/L	99

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jan 12 23:30:52 2024
Response via : Initial Calibration

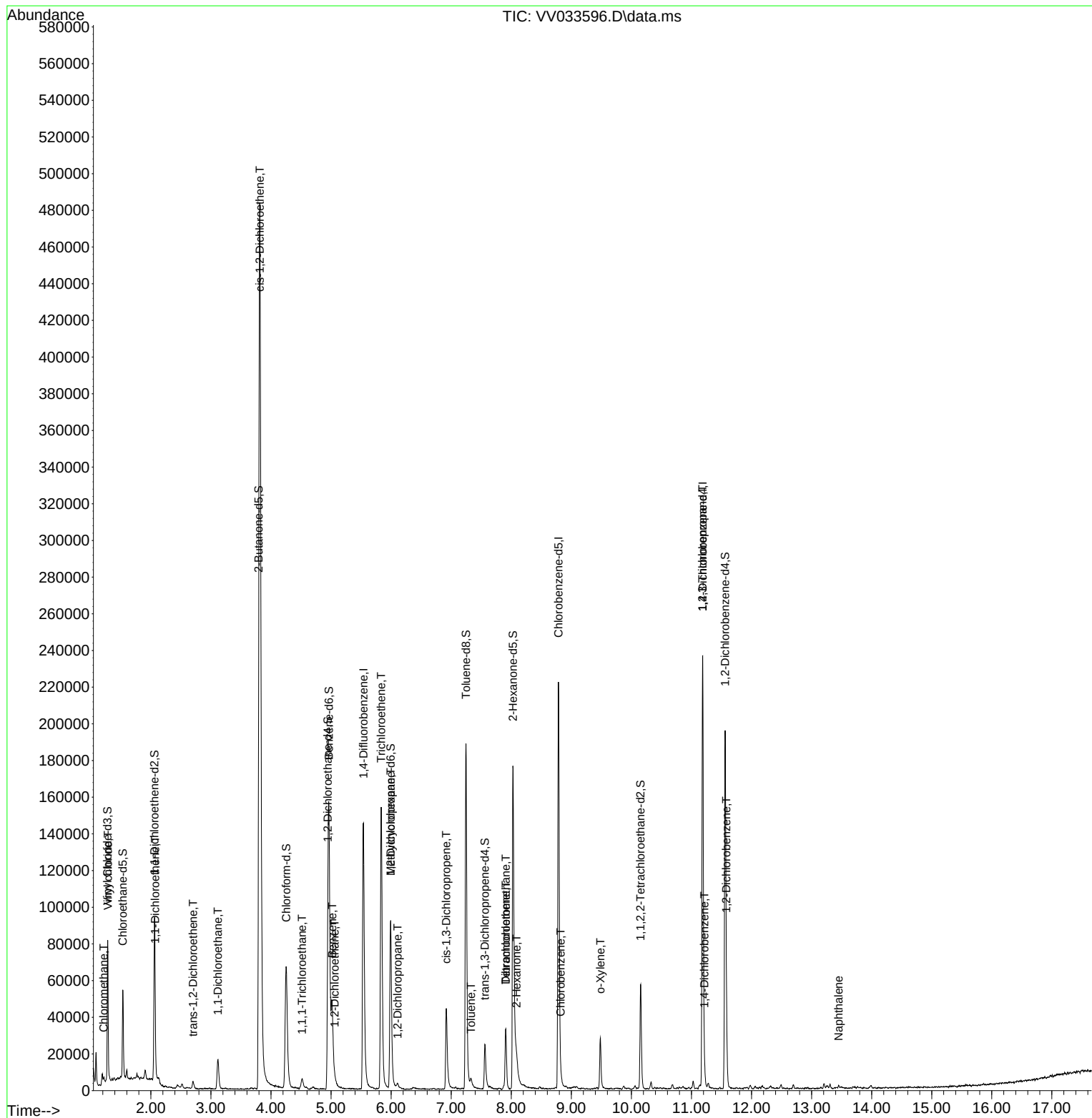
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.185	75	8977	1.893	ug/L #	70
65) 1,4-Dichlorobenzene	11.217	146	2680	0.132	ug/L #	85
67) 1,2-Dichlorobenzene	11.580	146	11275	0.627	ug/L	97
71) Naphthalene	13.452	128	1637	0.073	ug/L #	76

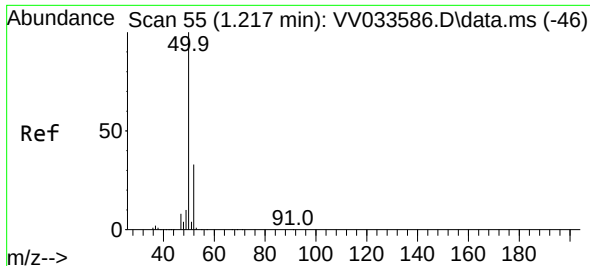
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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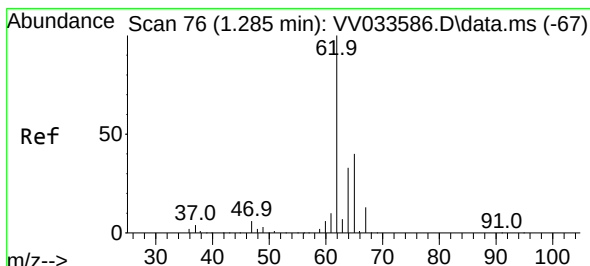
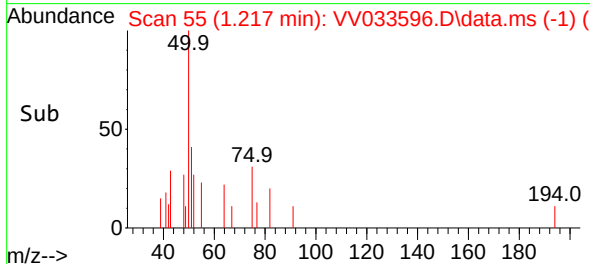
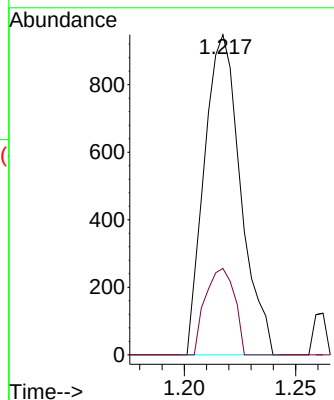
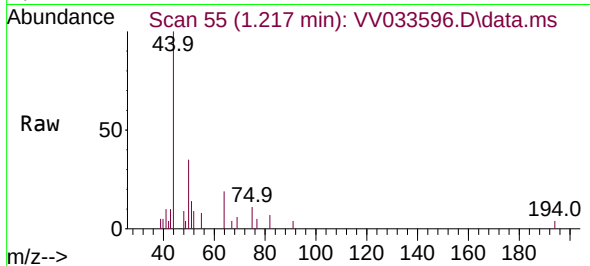




#3
Chloromethane
Concen: 0.077 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV033596.D
Acq: 12 Jan 2024 15:33

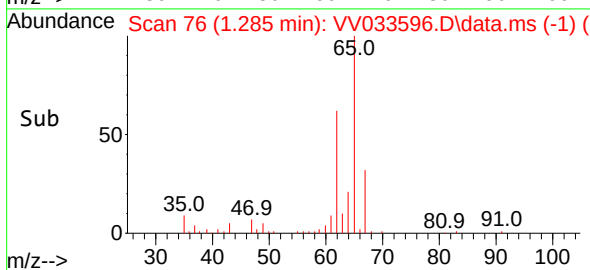
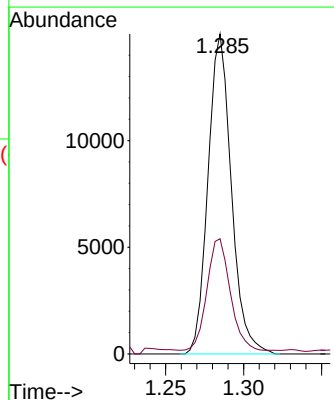
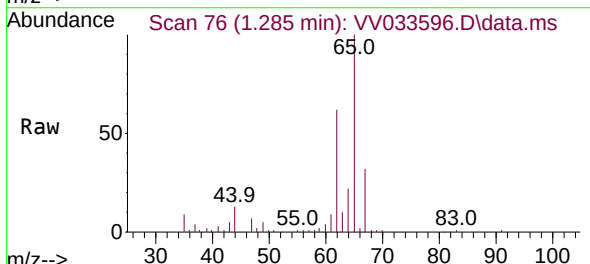
Instrument :
MSVOA_V
ClientSampleId :

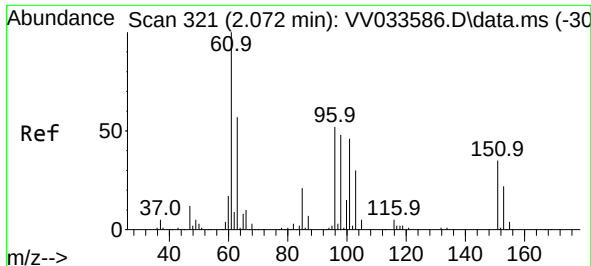
Tgt Ion: 50 Resp: 1074
Ion Ratio Lower Upper
50 100
52 27.0 23.1 42.9



#5
Vinyl chloride
Concen: 1.179 ug/L
RT: 1.285 min Scan# 76
Delta R.T. 0.000 min
Lab File: VV033596.D
Acq: 12 Jan 2024 15:33

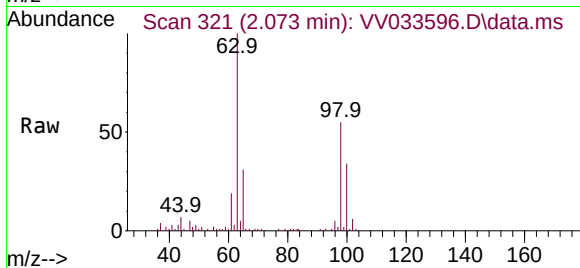
Tgt Ion: 62 Resp: 15598
Ion Ratio Lower Upper
62 100
64 36.0 23.0 42.8



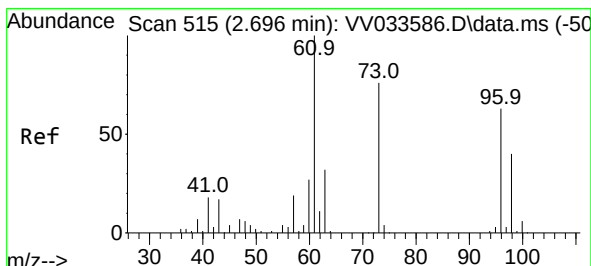
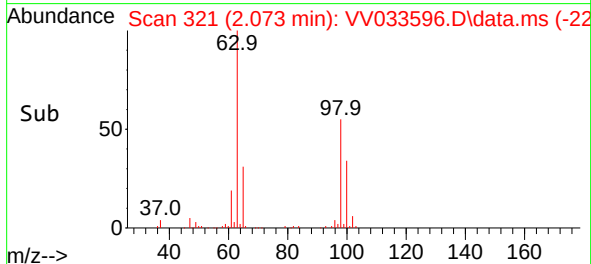
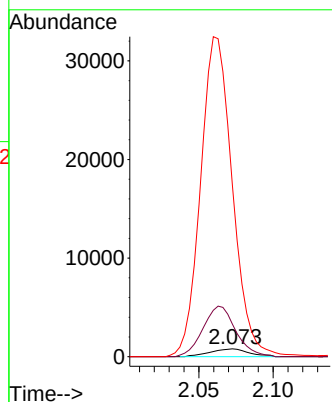


#12
1,1-Dichloroethene
Concen: 0.161 ug/L
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV033596.D
Acq: 12 Jan 2024 15:33

Instrument :
MSVOA_V
ClientSampleId :

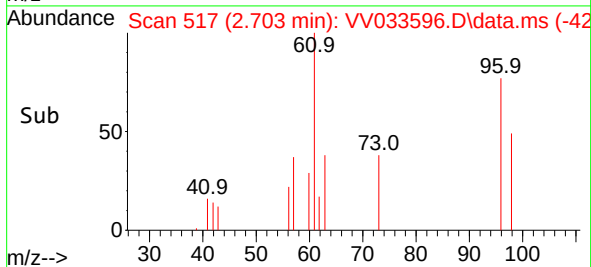
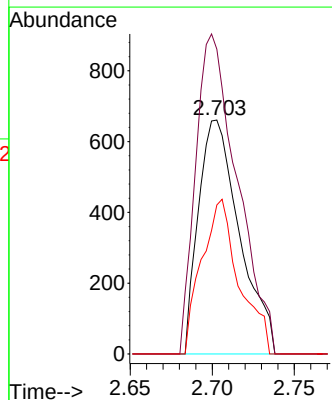
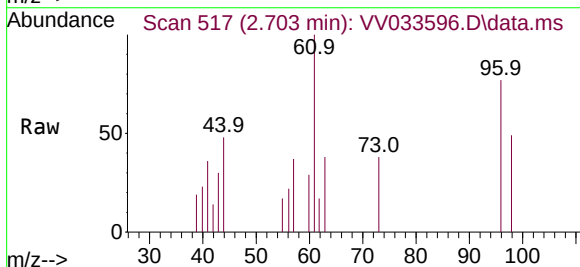


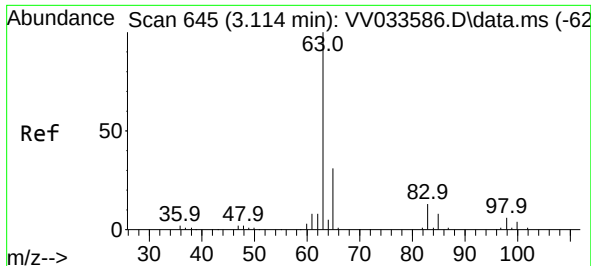
Tgt Ion: 96 Resp: 1439
Ion Ratio Lower Upper
96 100
61 419.3 133.8 248.4#
63 2209.4 77.2 143.4#



#18
trans-1,2-Dichloroethene
Concen: 0.114 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.007 min
Lab File: VV033596.D
Acq: 12 Jan 2024 15:33

Tgt Ion: 96 Resp: 1151
Ion Ratio Lower Upper
96 100
61 130.3 110.4 205.0
98 63.7 44.1 81.9





#19

1,1-Dichloroethane

Concen: 0.888 ug/L

RT: 3.118 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV033596.D

Acq: 12 Jan 2024 15:33

Instrument :

MSVOA_V

ClientSampleId :

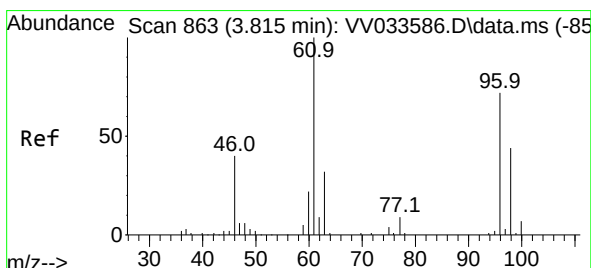
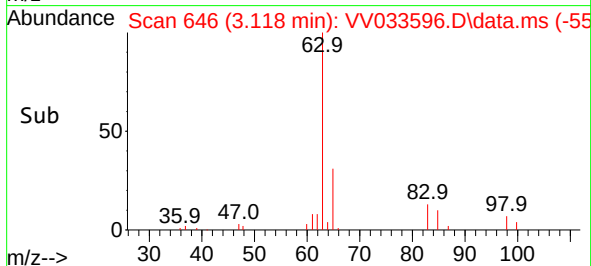
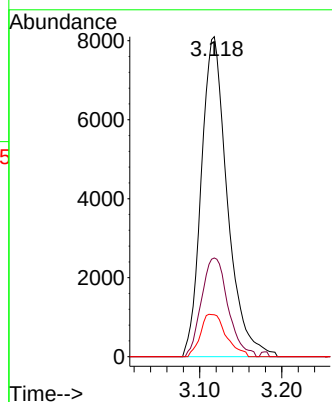
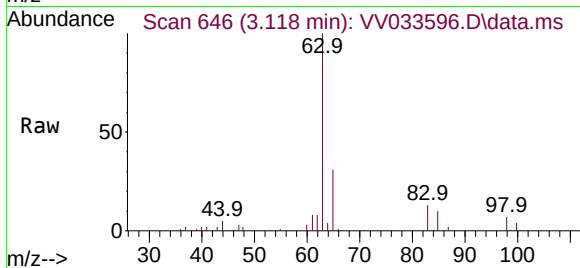
Tgt Ion: 63 Resp: 17875

Ion Ratio Lower Upper

63 100

65 30.8 21.6 40.2

83 13.1 9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 22.956 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.000 min

Lab File: VV033596.D

Acq: 12 Jan 2024 15:33

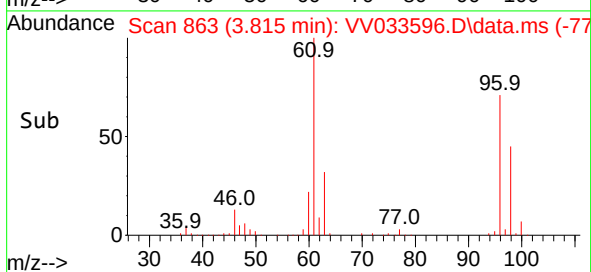
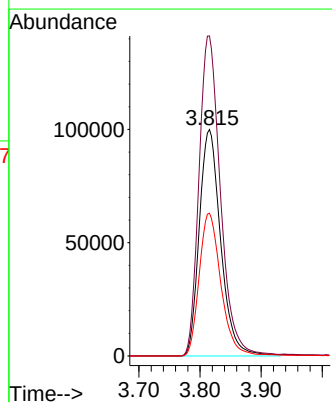
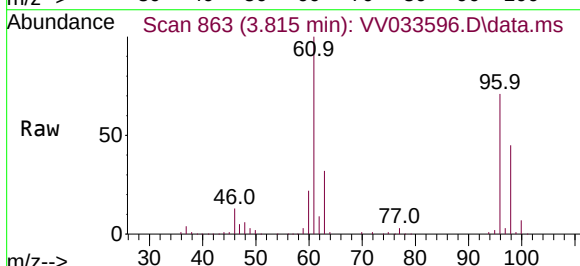
Tgt Ion: 96 Resp: 243381

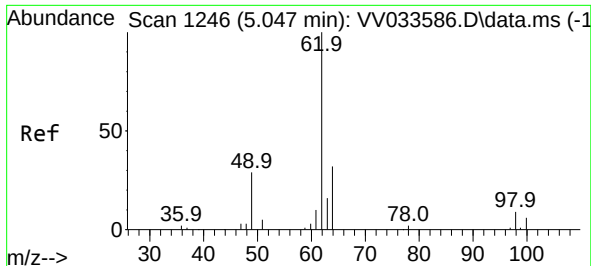
Ion Ratio Lower Upper

96 100

61 141.4 97.1 180.3

98 63.1 42.6 79.0

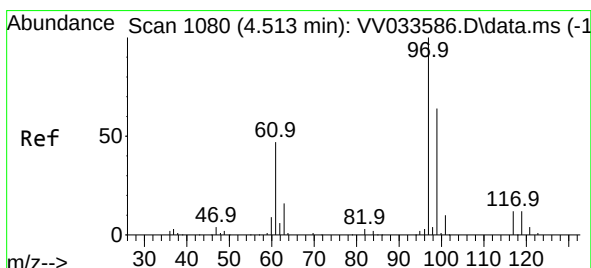
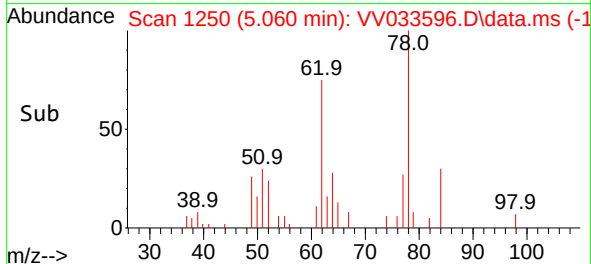
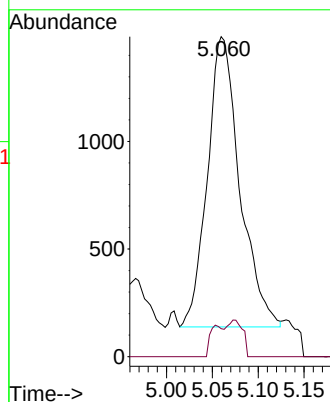
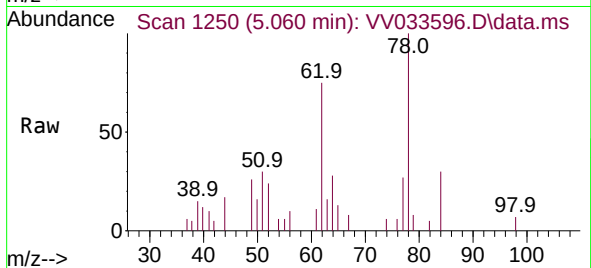




#27
 1,2-Dichloroethane
 Concen: 0.316 ug/L
 RT: 5.060 min Scan# 11
 Delta R.T. 0.013 min
 Lab File: VV033596.D
 Acq: 12 Jan 2024 15:33

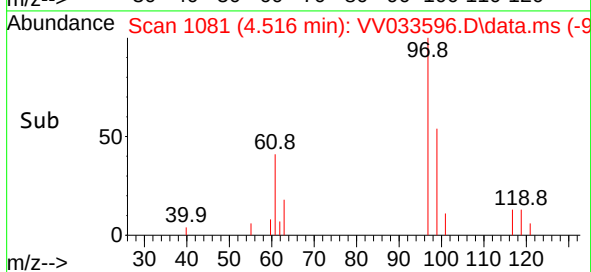
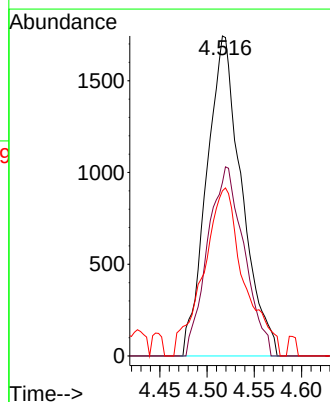
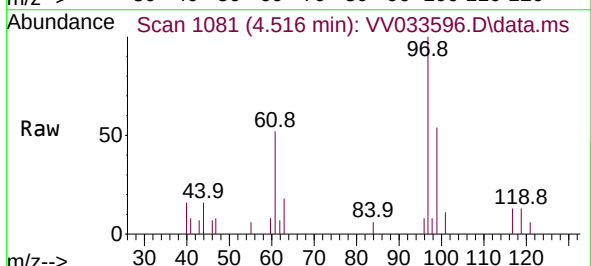
Instrument :
 MSVOA_V
 ClientSampleId :

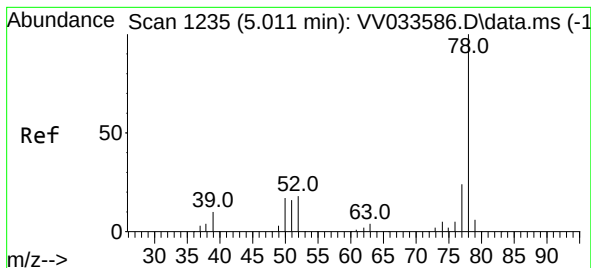
Tgt Ion: 62 Resp: 3321
 Ion Ratio Lower Upper
 62 100
 98 8.7 7.0 10.6



#29
 1,1,1-Trichloroethane
 Concen: 0.265 ug/L
 RT: 4.516 min Scan# 1081
 Delta R.T. 0.003 min
 Lab File: VV033596.D
 Acq: 12 Jan 2024 15:33

Tgt Ion: 97 Resp: 4493
 Ion Ratio Lower Upper
 97 100
 99 61.7 50.8 76.2
 61 60.6 38.1 57.1#





#33

Benzene

Concen: 1.148 ug/L

RT: 5.018 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV033596.D

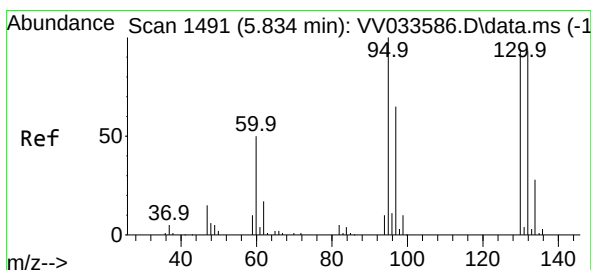
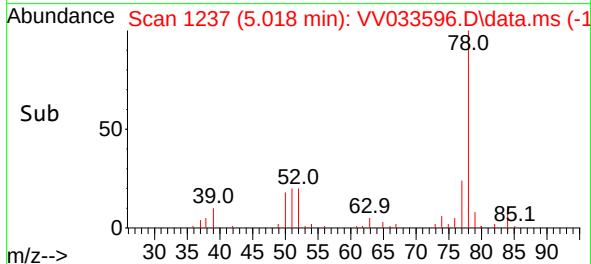
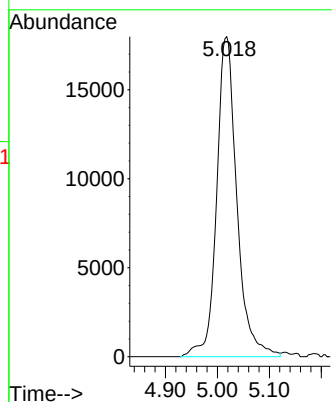
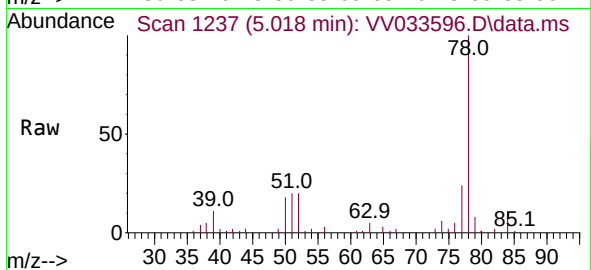
Acq: 12 Jan 2024 15:33

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 48651



#34

Trichloroethene

Concen: 4.955 ug/L

RT: 5.835 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VV033596.D

Acq: 12 Jan 2024 15:33

Tgt Ion: 95 Resp: 55905

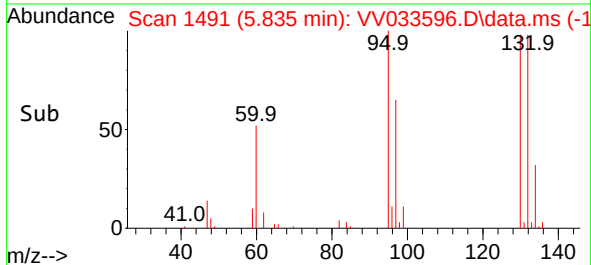
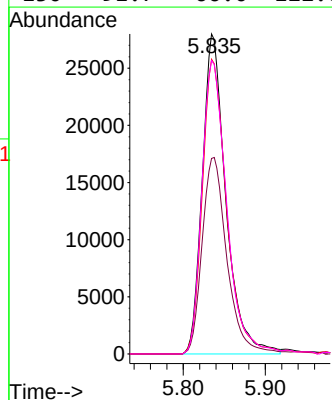
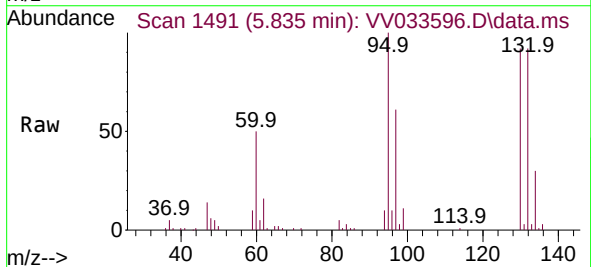
Ion Ratio Lower Upper

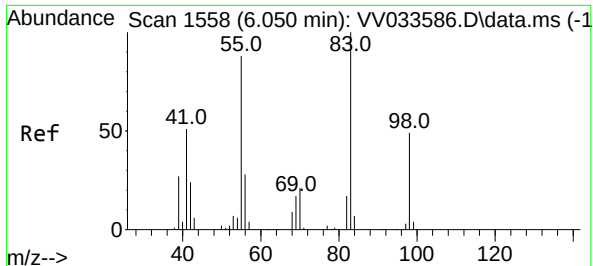
95 100

97 61.1 45.1 83.9

132 92.1 65.2 121.2

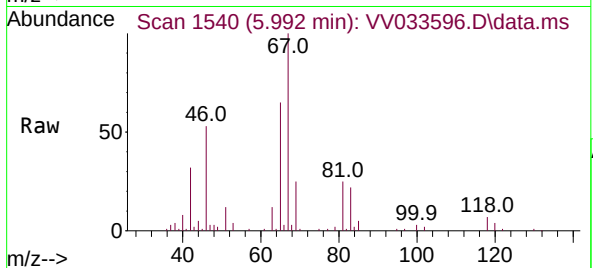
130 91.7 66.0 122.6



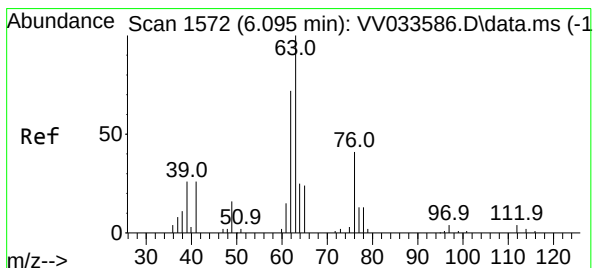
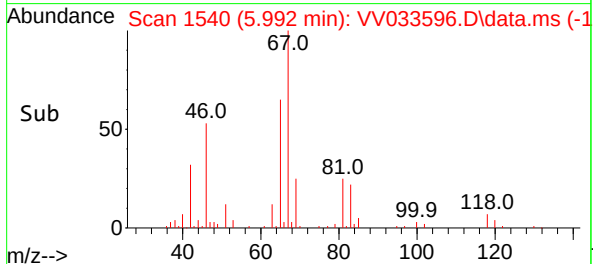
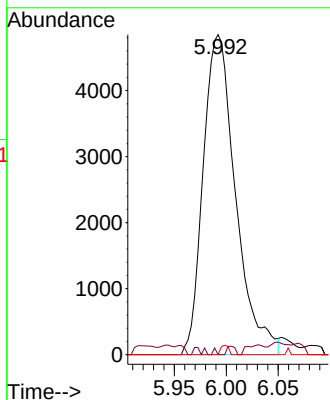


#35
Methylcyclohexane
Concen: 0.551 ug/L
RT: 5.992 min Scan# 1540
Delta R.T. -0.058 min
Lab File: VV033596.D
Acq: 12 Jan 2024 15:33

Instrument :
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ClientSampleId :

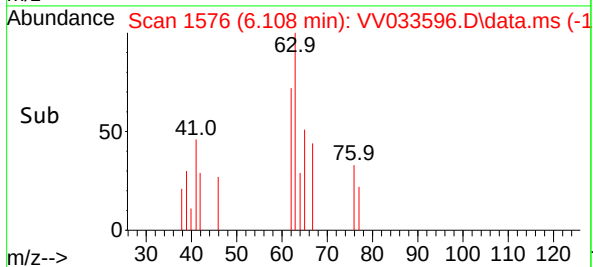
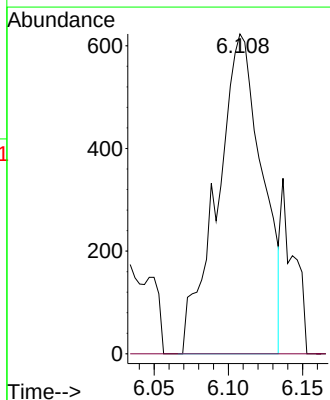
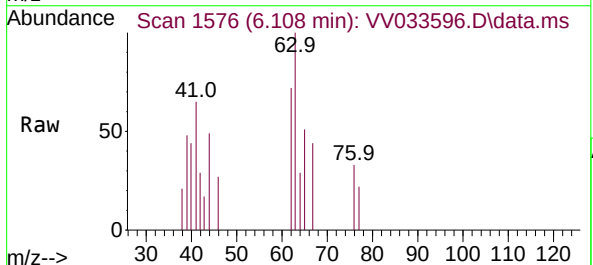


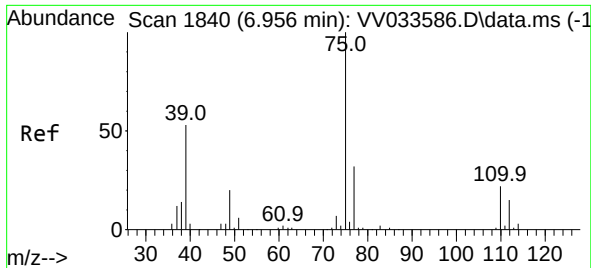
Tgt Ion: 83 Resp: 10526
Ion Ratio Lower Upper
83 100
55 0.2 68.7 103.1#
98 0.0 38.3 57.5#



#37
1,2-Dichloropropane
Concen: 0.125 ug/L
RT: 6.108 min Scan# 1576
Delta R.T. 0.013 min
Lab File: VV033596.D
Acq: 12 Jan 2024 15:33

Tgt Ion: 63 Resp: 1315
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 6.918 min Scan# 11

Delta R.T. -0.038 min

Lab File: VV033596.D

Acq: 12 Jan 2024 15:33

Instrument :

MSVOA_V

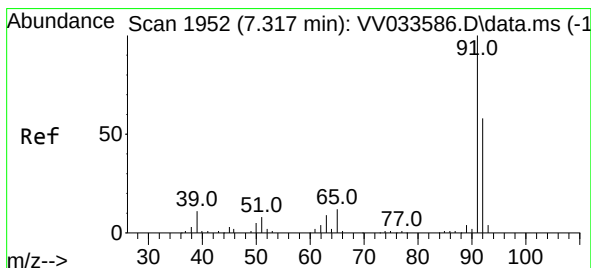
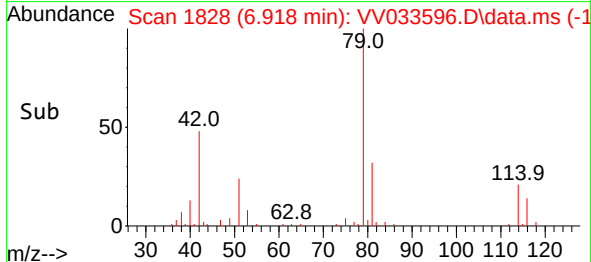
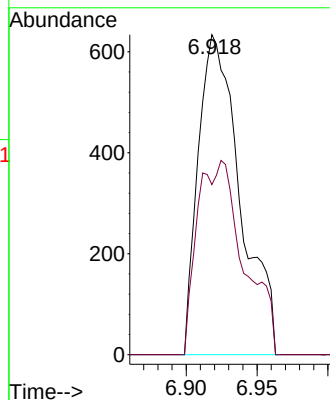
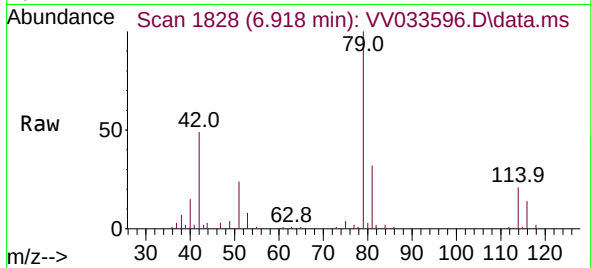
ClientSampleId :

Tgt Ion: 75 Resp: 1307

Ion Ratio Lower Upper

75 100

77 53.2 22.5 41.7#



#42

Toluene

Concen: 0.089 ug/L

RT: 7.330 min Scan# 1956

Delta R.T. 0.013 min

Lab File: VV033596.D

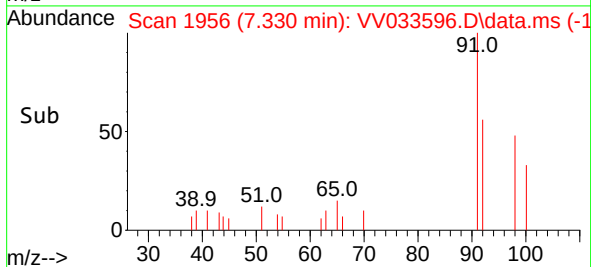
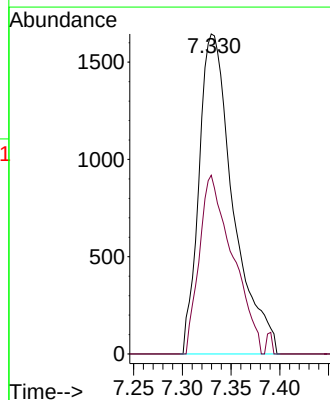
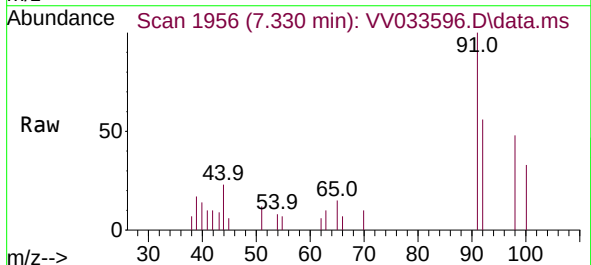
Acq: 12 Jan 2024 15:33

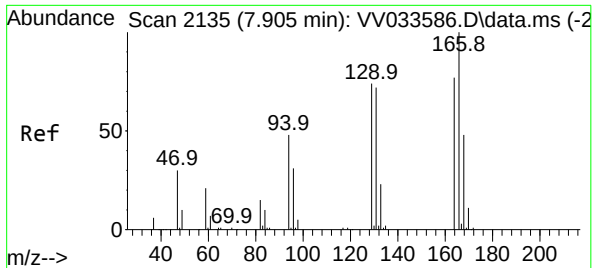
Tgt Ion: 91 Resp: 4003

Ion Ratio Lower Upper

91 100

92 55.9 40.5 75.3





#47

Tetrachloroethene

Concen: 0.973 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

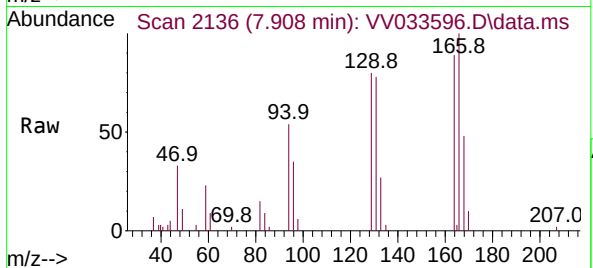
Lab File: VV033596.D

Acq: 12 Jan 2024 15:33

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 7884

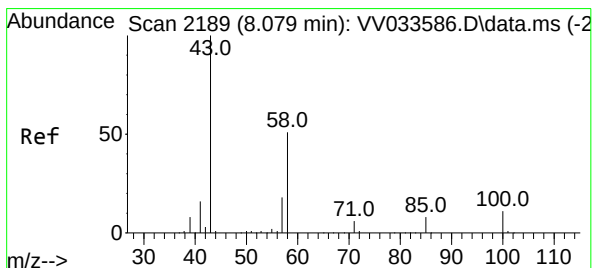
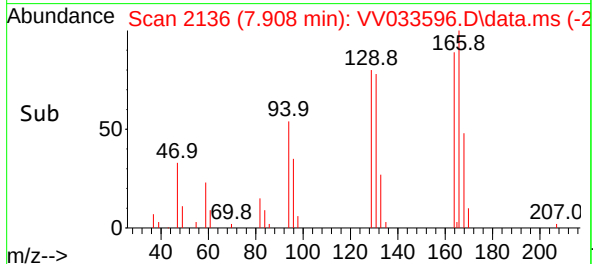
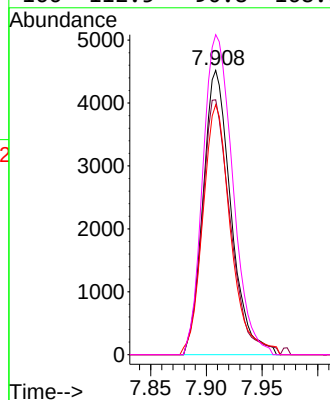
Ion Ratio Lower Upper

164 100

129 89.7 67.1 124.7

131 87.9 65.0 120.6

166 112.5 90.8 168.6



#48

2-Hexanone

Concen: 2.631 ug/L

RT: 8.088 min Scan# 2192

Delta R.T. 0.010 min

Lab File: VV033596.D

Acq: 12 Jan 2024 15:33

Tgt Ion: 43 Resp: 9326

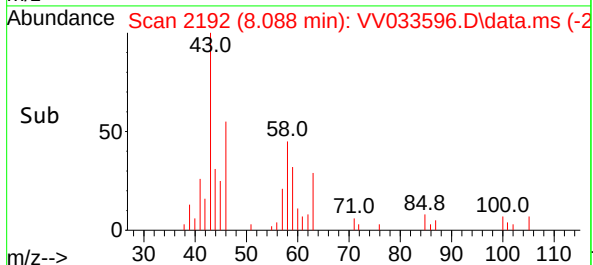
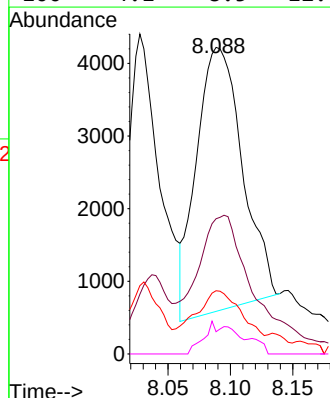
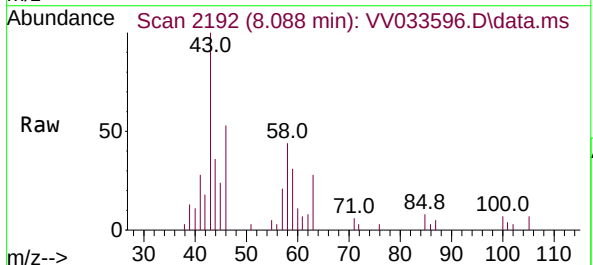
Ion Ratio Lower Upper

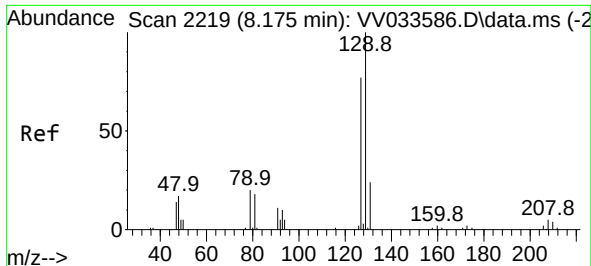
43 100

58 0.0 40.6 61.0#

57 17.8 13.8 20.8

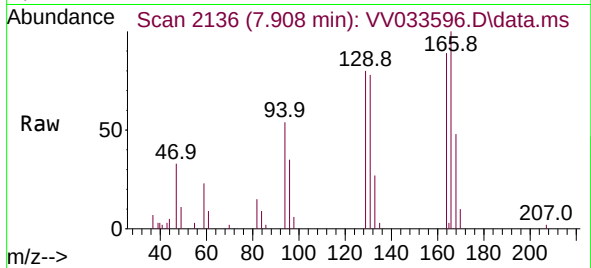
100 4.1 8.5 12.7#



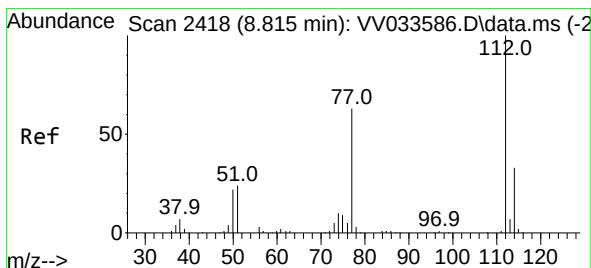
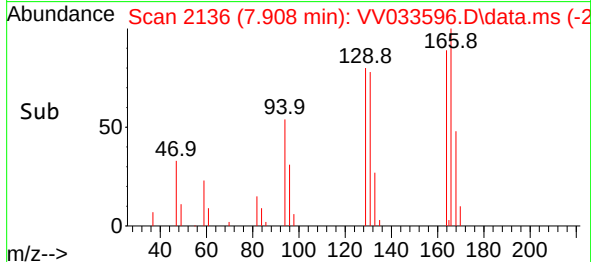
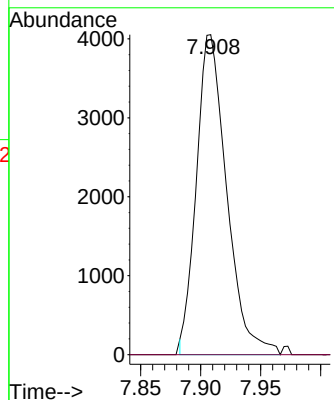


#49
Dibromochloromethane
Concen: 0.978 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.267 min
Lab File: VV033596.D
Acq: 12 Jan 2024 15:33

Instrument :
MSVOA_V
ClientSampleId :

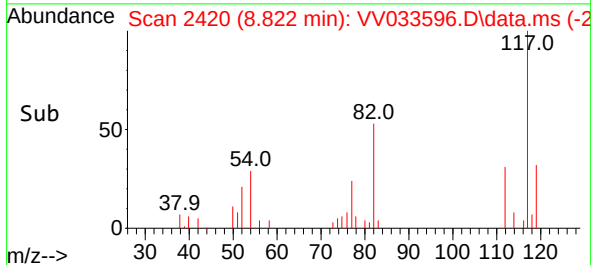
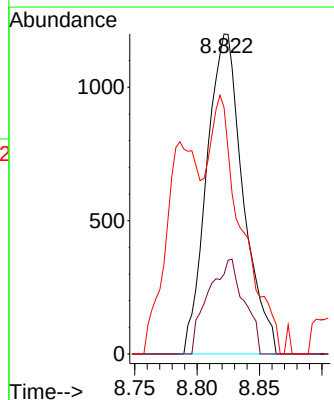
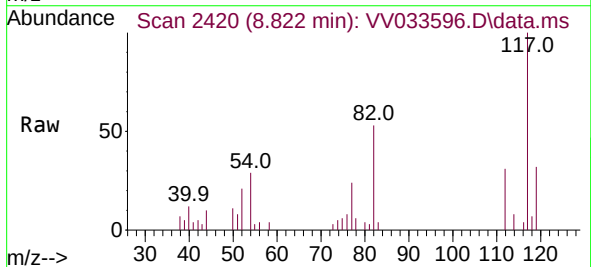


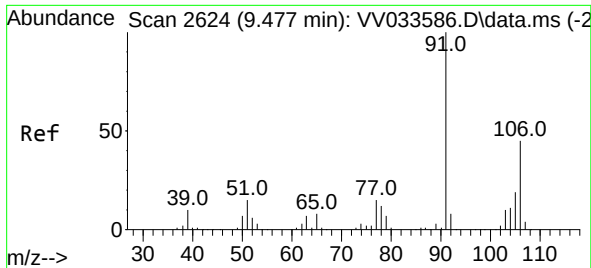
Tgt Ion:129 Resp: 7124
Ion Ratio Lower Upper
129 100
127 0.0 53.6 99.6#



#51
Chlorobenzene
Concen: 0.089 ug/L
RT: 8.822 min Scan# 2420
Delta R.T. 0.007 min
Lab File: VV033596.D
Acq: 12 Jan 2024 15:33

Tgt Ion:112 Resp: 2434
Ion Ratio Lower Upper
112 100
114 24.9 22.9 42.5
77 77.0 50.8 76.2#

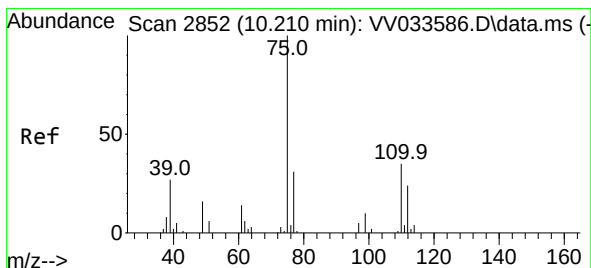
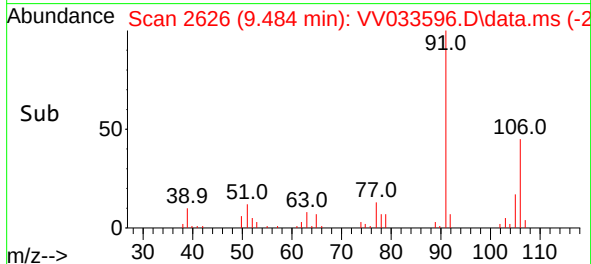
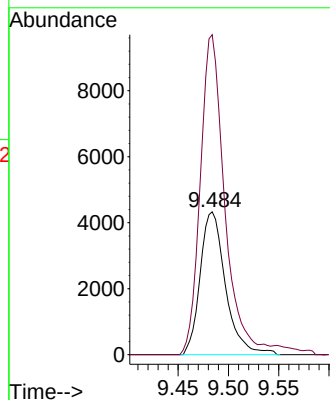
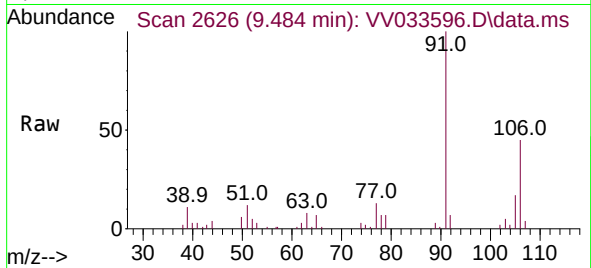




#54
o-Xylene
Concen: 0.408 ug/L
RT: 9.484 min Scan# 20
Delta R.T. 0.007 min
Lab File: VV033596.D
Acq: 12 Jan 2024 15:33

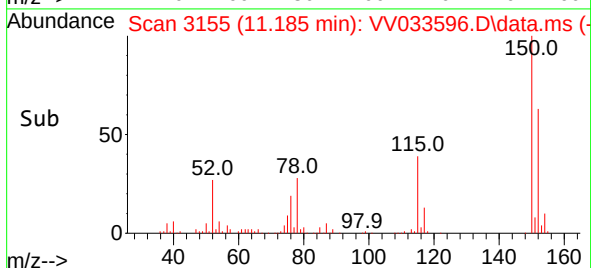
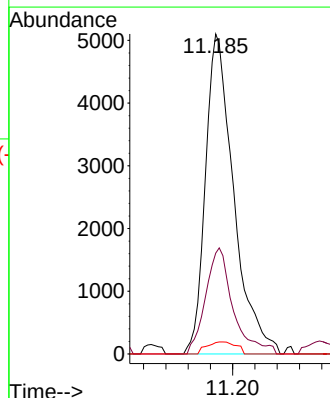
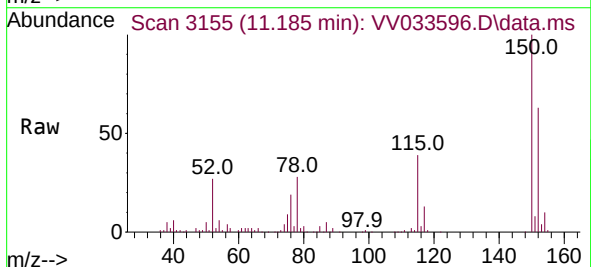
Instrument :
MSVOA_V
ClientSampleId :

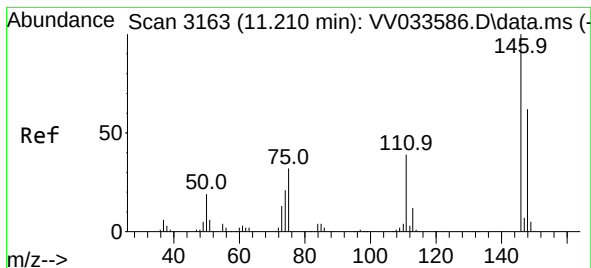
Tgt Ion:106 Resp: 7594
Ion Ratio Lower Upper
106 100
91 224.0 156.0 289.6



#61
1,2,3-Trichloropropane
Concen: 1.893 ug/L
RT: 11.185 min Scan# 3155
Delta R.T. 0.974 min
Lab File: VV033596.D
Acq: 12 Jan 2024 15:33

Tgt Ion: 75 Resp: 8977
Ion Ratio Lower Upper
75 100
77 32.2 24.7 37.1
110 3.9 28.0 42.0#





#65

1,4-Dichlorobenzene

Concen: 0.132 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.007 min

Lab File: VV033596.D

Acq: 12 Jan 2024 15:33

Instrument :

MSVOA_V

ClientSampleId :

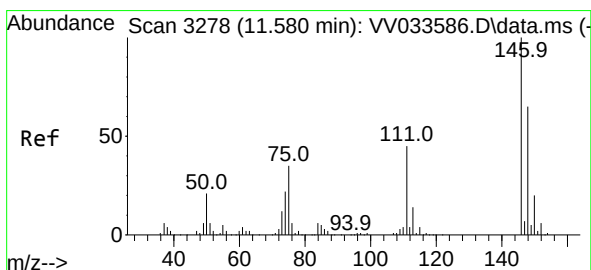
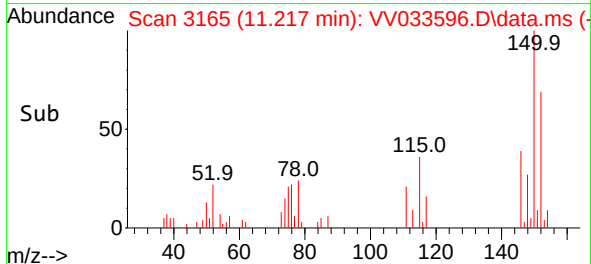
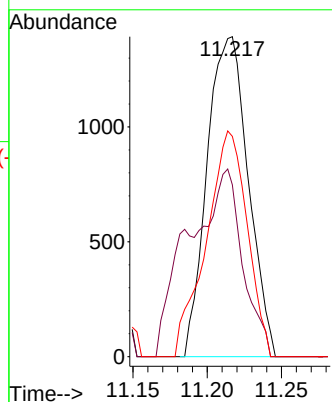
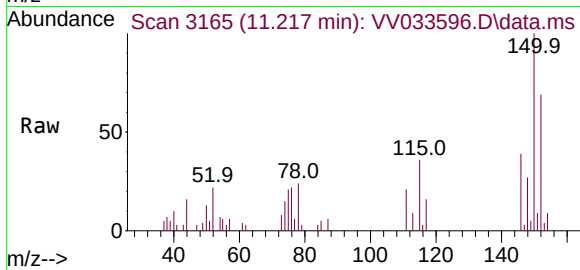
Tgt Ion:146 Resp: 2680

Ion Ratio Lower Upper

146 100

111 53.7 27.5 51.1#

148 68.8 43.3 80.5



#67

1,2-Dichlorobenzene

Concen: 0.627 ug/L

RT: 11.580 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VV033596.D

Acq: 12 Jan 2024 15:33

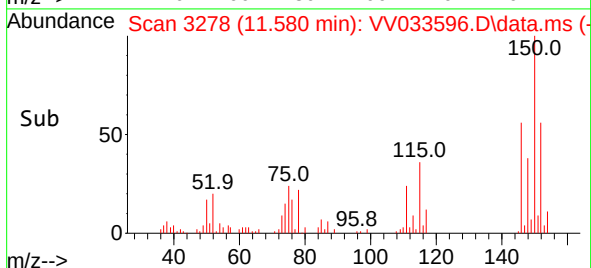
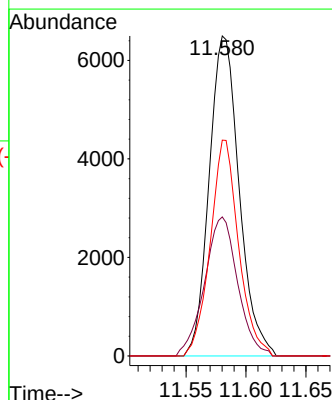
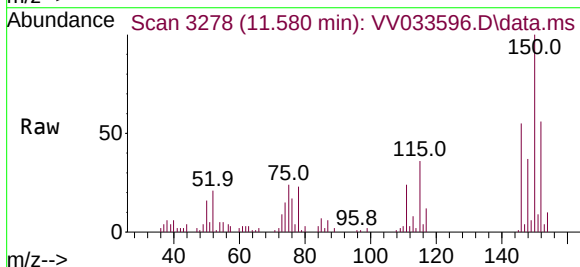
Tgt Ion:146 Resp: 11275

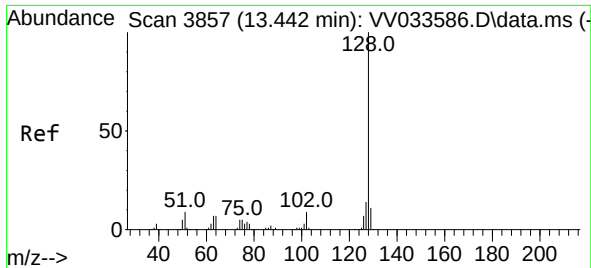
Ion Ratio Lower Upper

146 100

111 43.4 36.1 54.1

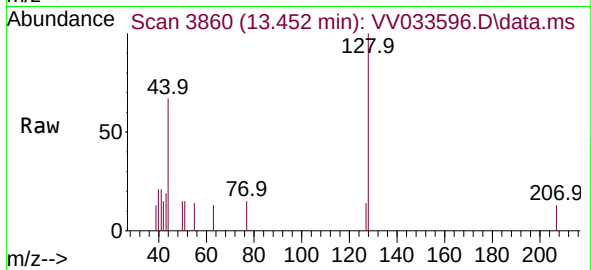
148 67.5 52.2 78.2





#71
Naphthalene
Concen: 0.073 ug/L
RT: 13.452 min Scan# 3857
Delta R.T. 0.010 min
Lab File: VV033596.D
Acq: 12 Jan 2024 15:33

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	128	Resp:	1637
Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.8	13.2#
127	5.1	10.4	15.6#

