

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011724\
 Data File : VW033719.D
 Acq On : 17 Jan 2024 14:55
 Operator : SY/MD
 Sample : P1062-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 18 00:06:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 18 00:02:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	94127	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	94897	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	51219	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	13059	2.537	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	50.800%
7) Chloroethane-d5	1.536	69	14205	3.112	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	62.200%#
11) 1,1-Dichloroethene-d2	2.063	65	6506	2.805	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.000%#
20) 2-Butanone-d5	3.809	46	63353	50.341	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.680%
24) Chloroform-d	4.253	84	45668	4.103	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
26) 1,2-Dichloroethane-d4	4.947	65	24198	4.849	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
32) Benzene-d6	4.963	84	77516	3.385	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	67.800%#
36) 1,2-Dichloropropane-d6	5.992	67	27759	3.636	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.800%
41) Toluene-d8	7.246	98	68095	3.331	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.600%#
43) trans-1,3-Dichloroprop...	7.561	79	10206	3.867	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.400%
46) 2-Hexanone-d5	8.027	63	49382	47.658	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.320%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	21275	4.770	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.400%
66) 1,2-Dichlorobenzene-d4	11.561	152	31357	3.987	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.800%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	855	0.083	ug/L	90
5) Vinyl chloride	1.285	62	4493	0.459	ug/L #	1
8) Chloroethane	1.301	64	104751	17.615	ug/L #	51
12) 1,1-Dichloroethene	2.073	96	80999	12.208	ug/L #	83
14) Carbon disulfide	2.246	76	2299	0.094	ug/L #	89
17) Methyl tert-butyl Ether	2.709	73	6361	0.423	ug/L	96
19) 1,1-Dichloroethane	3.114	63	149531	10.041	ug/L	99
22) cis-1,2-Dichloroethene	3.822	96	3171	0.404	ug/L	94
25) Chloroform	4.281	83	6520	0.477	ug/L	90
27) 1,2-Dichloroethane	5.066	62	1665	0.214	ug/L #	76
29) 1,1,1-Trichloroethane	4.516	97	10881	0.809	ug/L	99
31) Carbon tetrachloride	4.519	117	1247	0.109	ug/L	87
33) Benzene	5.021	78	6197	0.184	ug/L	100
34) Trichloroethene	5.831	95	117517	13.102	ug/L	97
35) Methylcyclohexane	5.995	83	6954	0.458	ug/L #	16
39) cis-1,3-Dichloropropene	6.924	75	764	0.064	ug/L #	60
42) Toluene	7.333	91	3355	0.094	ug/L	93
45) 1,1,2-Trichloroethane	7.786	97	737	0.159	ug/L	88
47) Tetrachloroethene	7.915	164	1663	0.258	ug/L	84

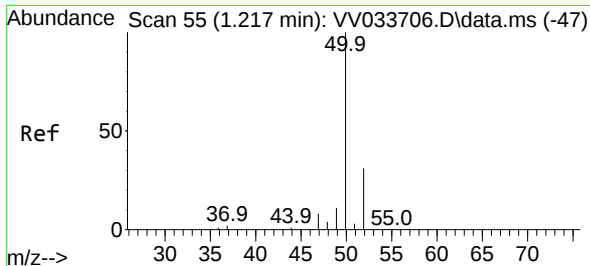
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011724\
Data File : VV033719.D
Acq On : 17 Jan 2024 14:55
Operator : SY/MD
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Quant Time: Jan 18 00:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jan 18 00:02:20 2024
Response via : Initial Calibration

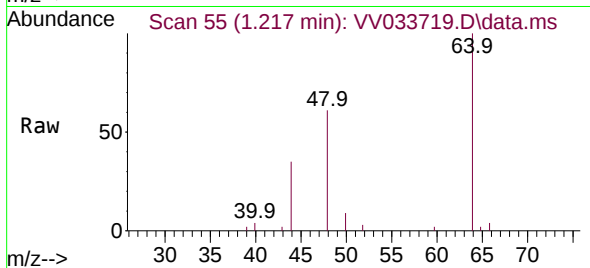
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	7.908	129	1412	0.244	ug/L #	11
61) 1,2,3-Trichloropropane	11.185	75	6641	1.617	ug/L #	66

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

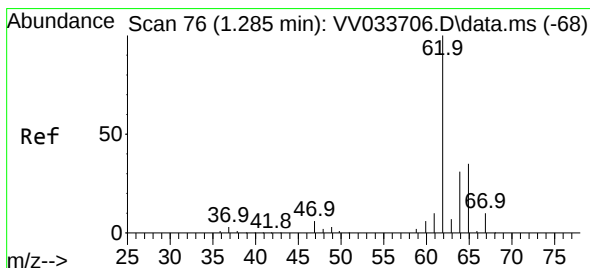
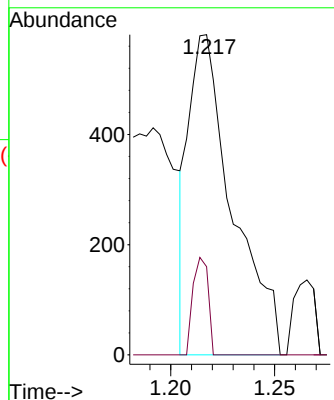
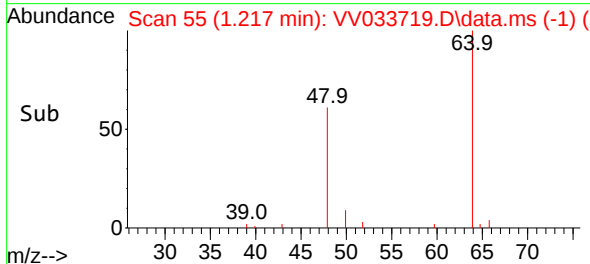


#3
Chloromethane
Concen: 0.083 ug/L
RT: 1.217 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV033719.D
Acq: 17 Jan 2024 14:55

Instrument :
MSVOA_V
ClientSampleId :

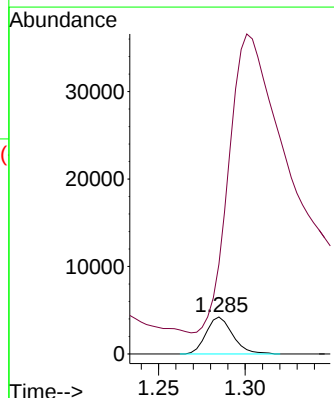
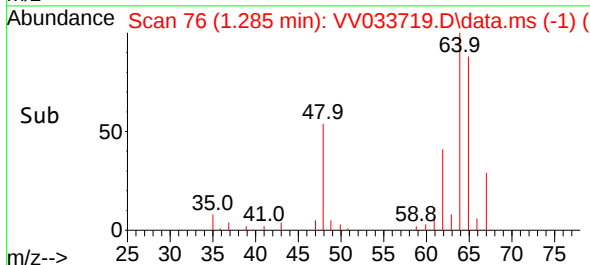
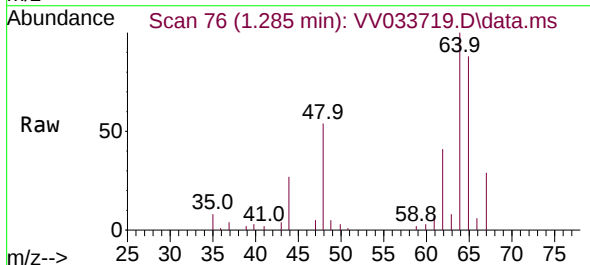


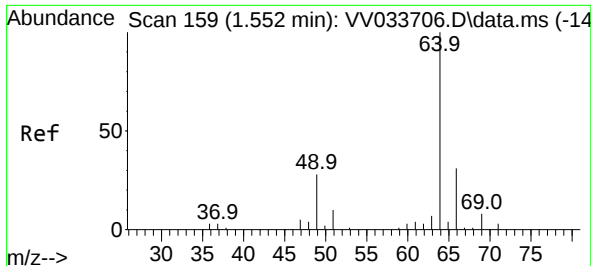
Tgt Ion: 50 Resp: 855
Ion Ratio Lower Upper
50 100
52 27.5 23.1 42.9



#5
Vinyl chloride
Concen: 0.459 ug/L
RT: 1.285 min Scan# 76
Delta R.T. -0.000 min
Lab File: VV033719.D
Acq: 17 Jan 2024 14:55

Tgt Ion: 62 Resp: 4493
Ion Ratio Lower Upper
62 100
64 242.8 23.0 42.8#





#8

Chloroethane

Concen: 17.615 ug/L

RT: 1.301 min Scan# 81

Delta R.T. -0.251 min

Lab File: VV033719.D

Acq: 17 Jan 2024 14:55

Instrument :

MSVOA_V

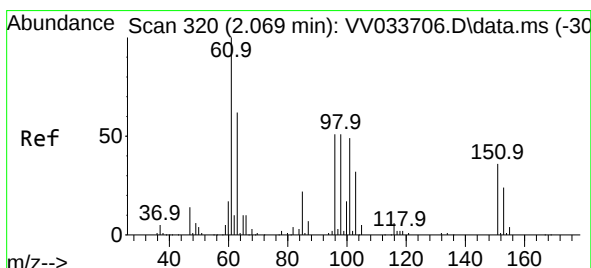
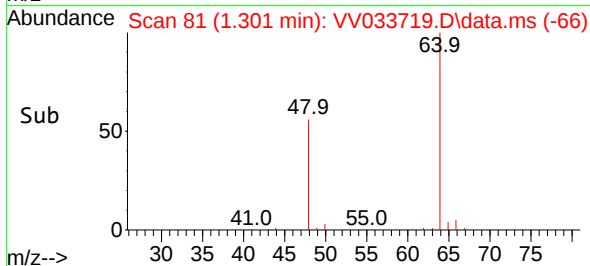
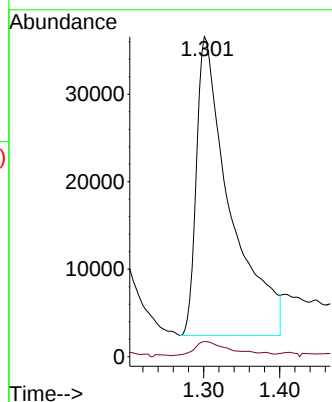
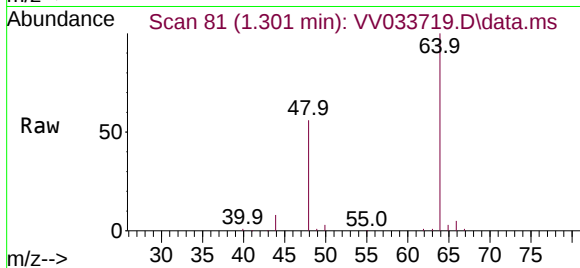
ClientSampleId :

Tgt Ion: 64 Resp: 104751

Ion Ratio Lower Upper

64 100

66 4.7 22.6 42.0#



#12

1,1-Dichloroethene

Concen: 12.208 ug/L

RT: 2.073 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV033719.D

Acq: 17 Jan 2024 14:55

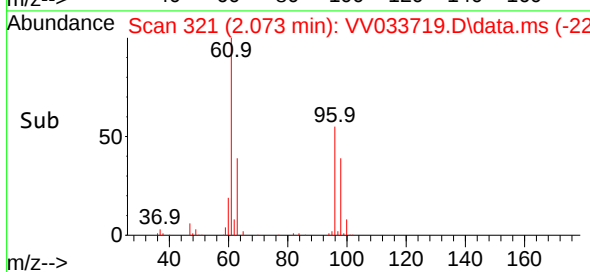
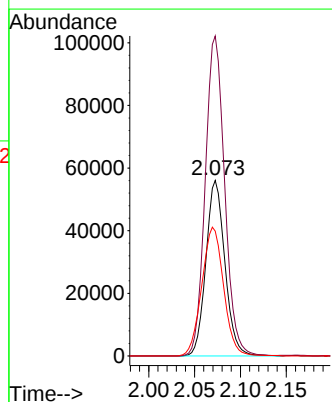
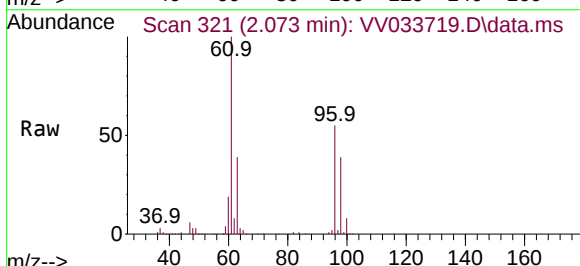
Tgt Ion: 96 Resp: 80999

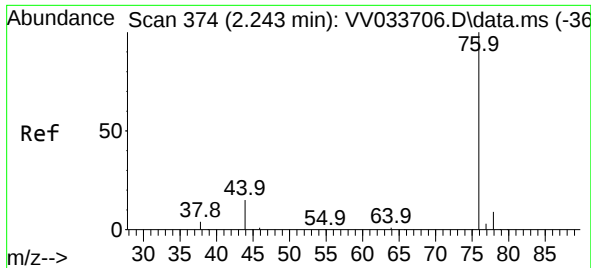
Ion Ratio Lower Upper

96 100

61 182.3 133.8 248.4

63 71.1 77.2 143.4#





#14

Carbon disulfide

Concen: 0.094 ug/L

RT: 2.246 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033719.D

Acq: 17 Jan 2024 14:55

Instrument :

MSVOA_V

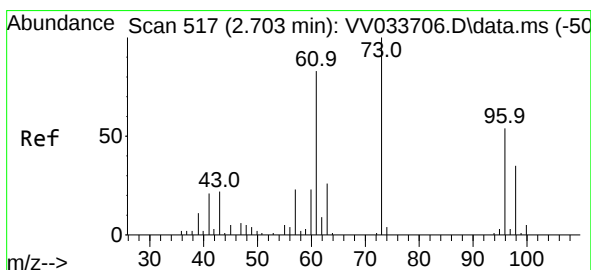
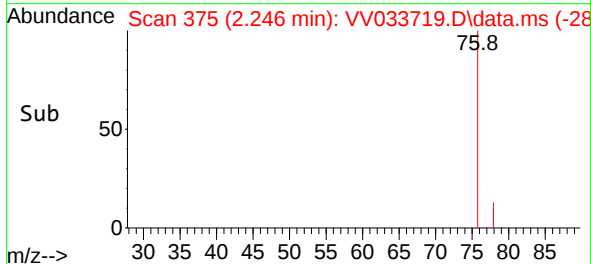
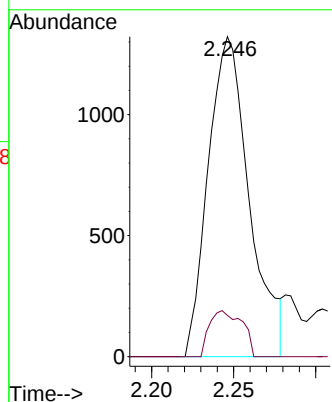
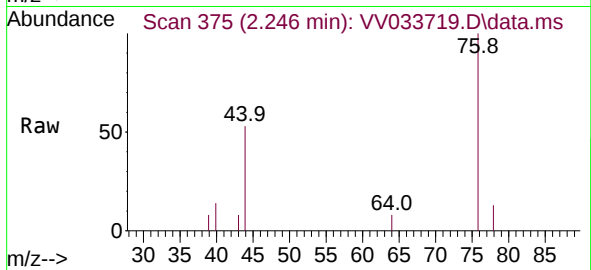
ClientSampleId :

Tgt Ion: 76 Resp: 2299

Ion Ratio Lower Upper

76 100

78 12.9 7.1 10.7#



#17

Methyl tert-butyl Ether

Concen: 0.423 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.006 min

Lab File: VV033719.D

Acq: 17 Jan 2024 14:55

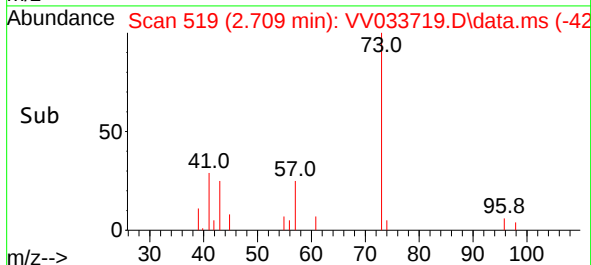
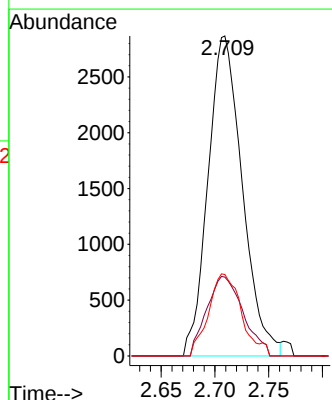
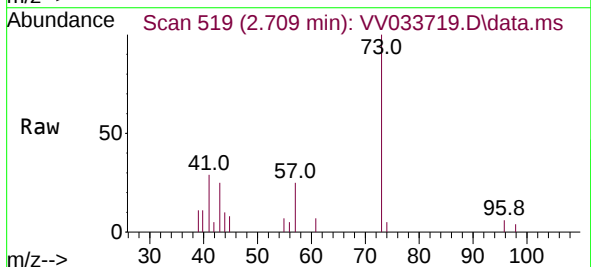
Tgt Ion: 73 Resp: 6361

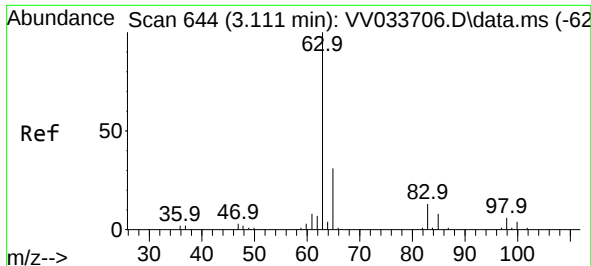
Ion Ratio Lower Upper

73 100

43 26.4 17.7 26.5

57 24.6 19.5 29.3





#19

1,1-Dichloroethane

Concen: 10.041 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV033719.D

Acq: 17 Jan 2024 14:55

Instrument :

MSVOA_V

ClientSampleId :

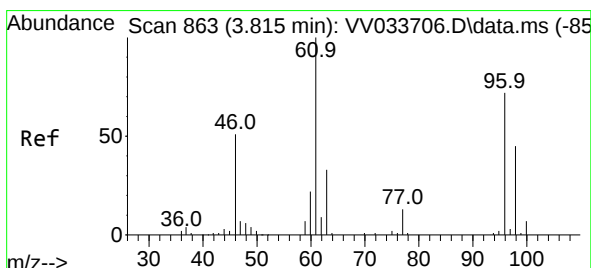
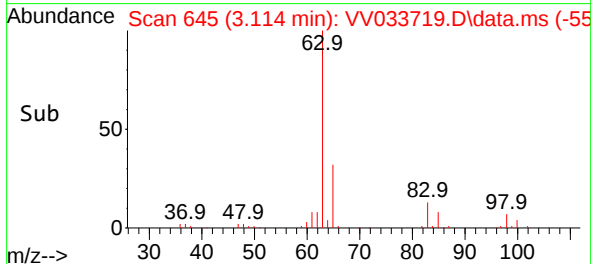
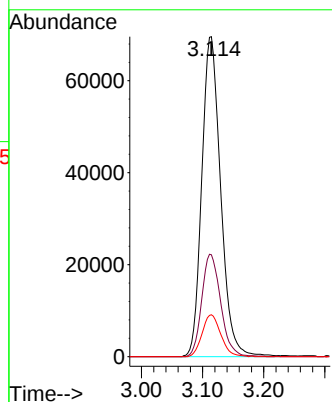
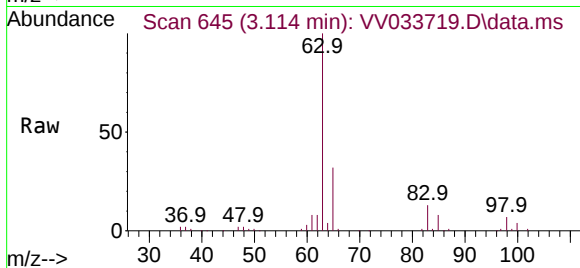
Tgt Ion: 63 Resp: 149531

Ion Ratio Lower Upper

63 100

65 31.8 21.6 40.2

83 13.1 9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 0.404 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.006 min

Lab File: VV033719.D

Acq: 17 Jan 2024 14:55

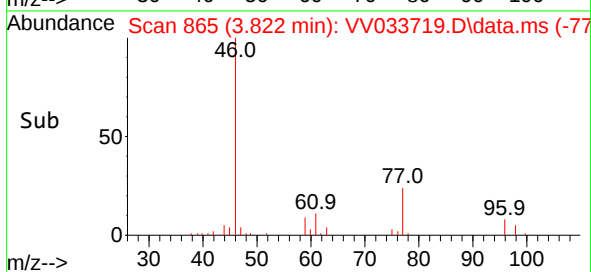
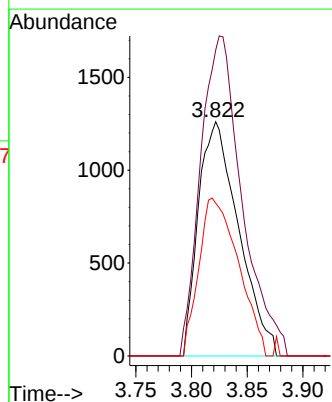
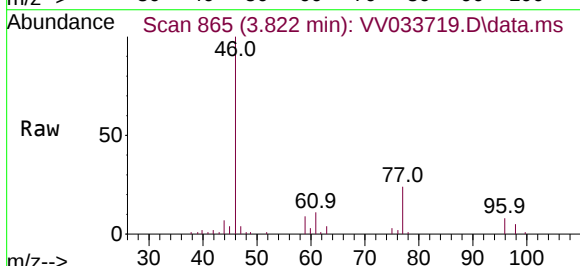
Tgt Ion: 96 Resp: 3171

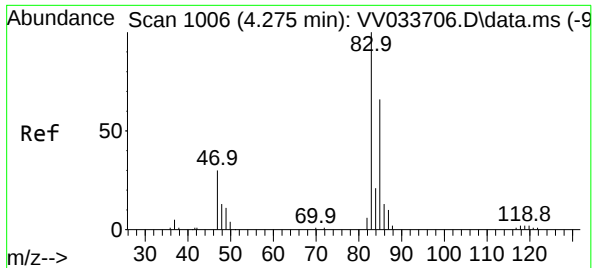
Ion Ratio Lower Upper

96 100

61 130.6 97.1 180.3

98 65.3 42.6 79.0

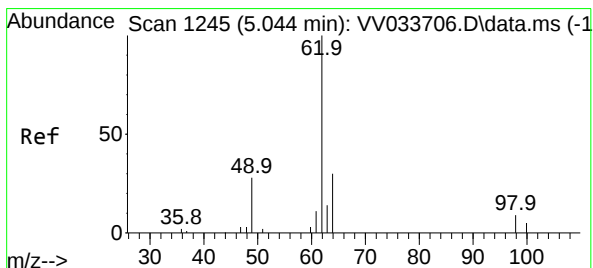
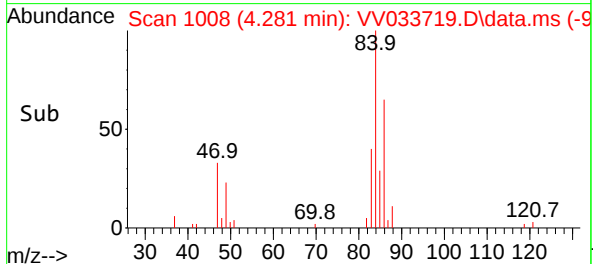
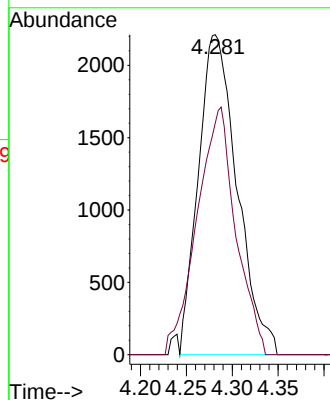
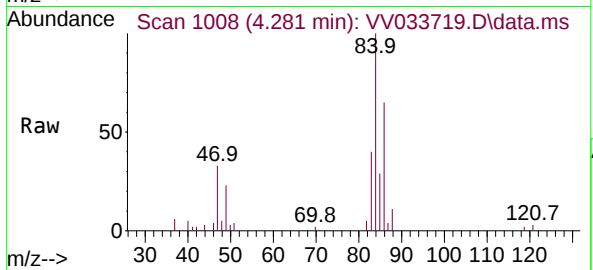




#25
Chloroform
Concen: 0.477 ug/L
RT: 4.281 min Scan# 1006
Delta R.T. 0.006 min
Lab File: VV033719.D
Acq: 17 Jan 2024 14:55

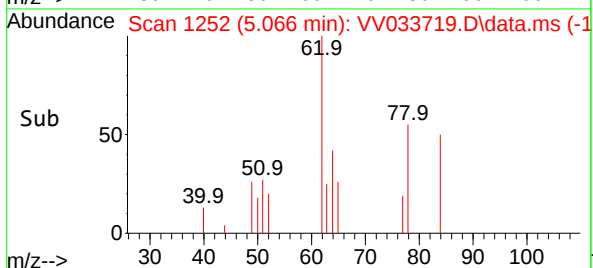
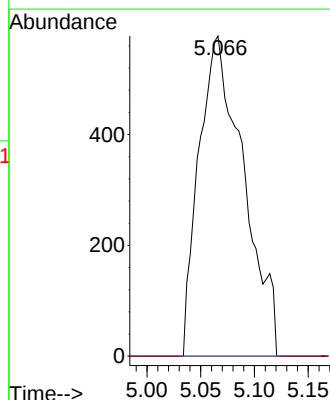
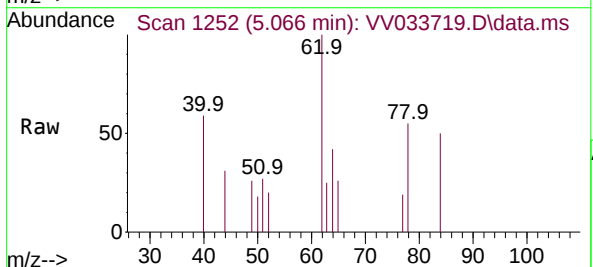
Instrument :
MSVOA_V
ClientSampleId :

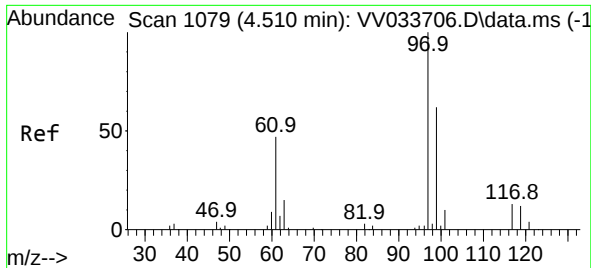
Tgt Ion: 83 Resp: 6520
Ion Ratio Lower Upper
83 100
85 72.3 45.1 83.9



#27
1,2-Dichloroethane
Concen: 0.214 ug/L
RT: 5.066 min Scan# 1252
Delta R.T. 0.022 min
Lab File: VV033719.D
Acq: 17 Jan 2024 14:55

Tgt Ion: 62 Resp: 1665
Ion Ratio Lower Upper
62 100
98 0.0 7.0 10.6#





#29

1,1,1-Trichloroethane

Concen: 0.809 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.006 min

Lab File: VV033719.D

Acq: 17 Jan 2024 14:55

Instrument :

MSVOA_V

ClientSampleId :

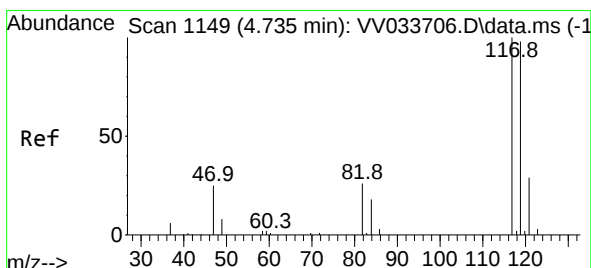
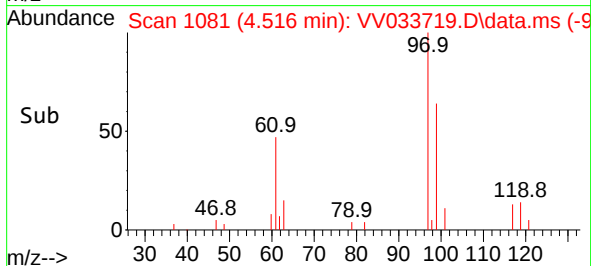
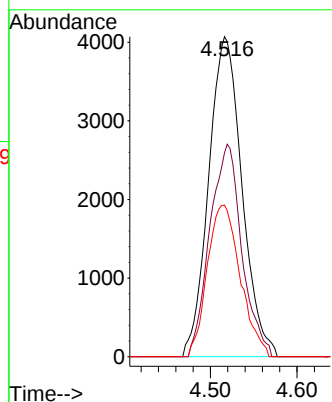
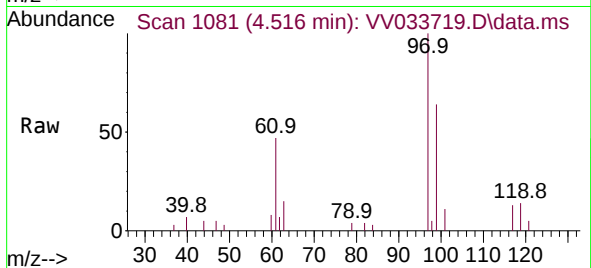
Tgt Ion: 97 Resp: 10881

Ion Ratio Lower Upper

97 100

99 63.6 50.8 76.2

61 46.9 38.1 57.1



#31

Carbon tetrachloride

Concen: 0.109 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.215 min

Lab File: VV033719.D

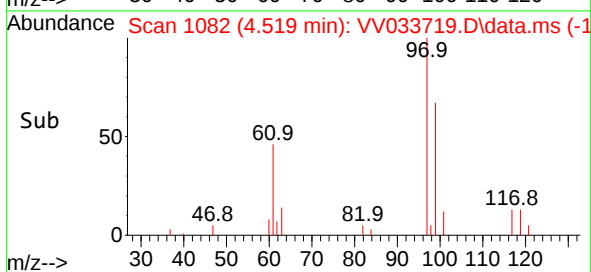
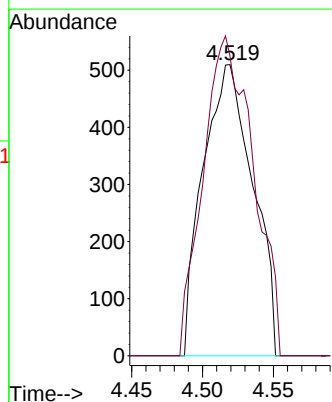
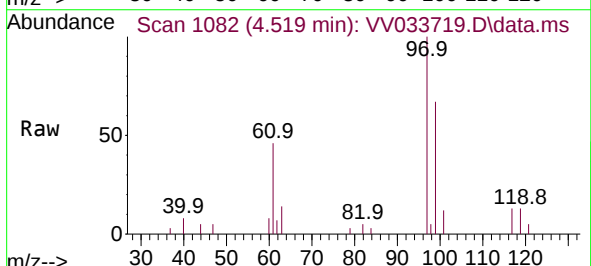
Acq: 17 Jan 2024 14:55

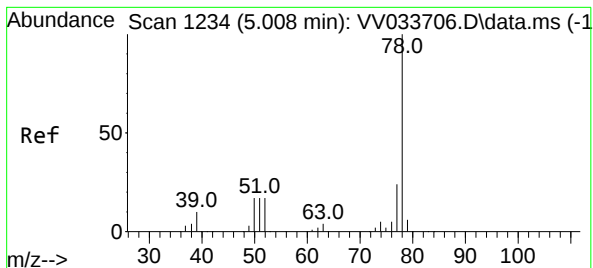
Tgt Ion: 117 Resp: 1247

Ion Ratio Lower Upper

117 100

119 110.7 78.3 117.5





#33

Benzene

Concen: 0.184 ug/L

RT: 5.021 min Scan# 1

Delta R.T. 0.013 min

Lab File: VV033719.D

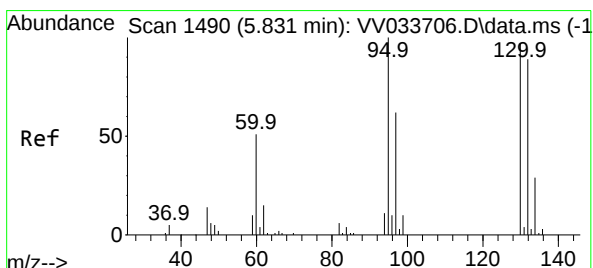
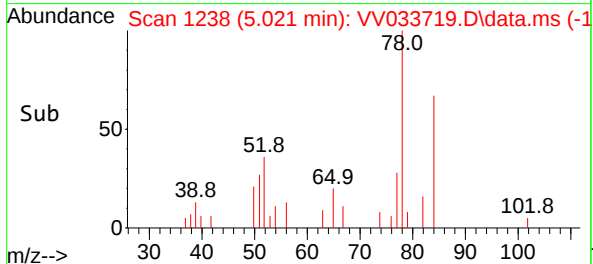
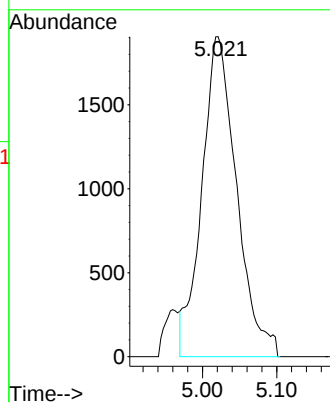
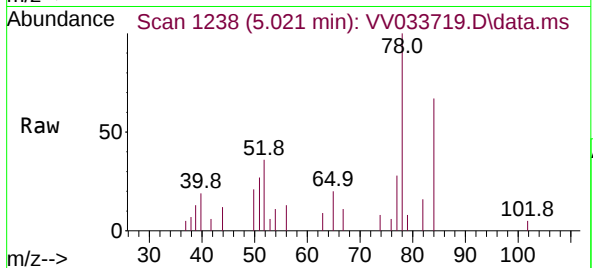
Acq: 17 Jan 2024 14:55

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 6197



#34

Trichloroethene

Concen: 13.102 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VV033719.D

Acq: 17 Jan 2024 14:55

Tgt Ion: 95 Resp: 117517

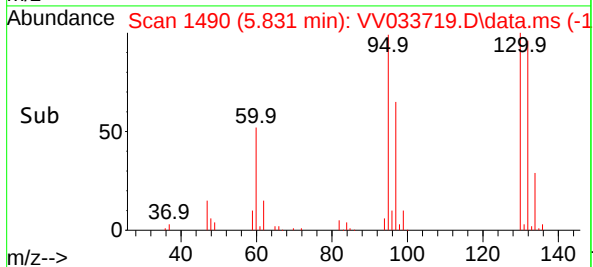
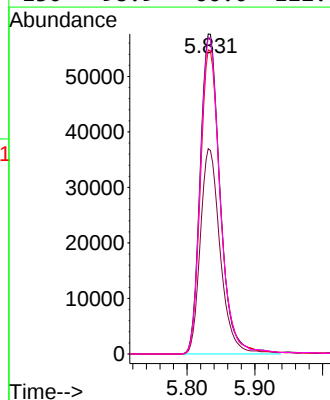
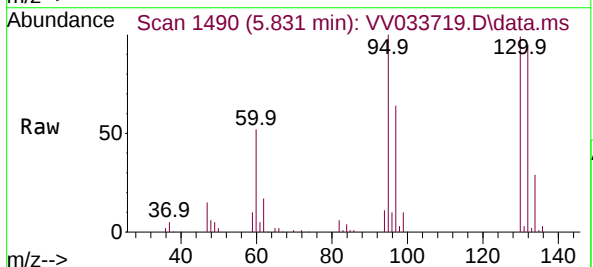
Ion Ratio Lower Upper

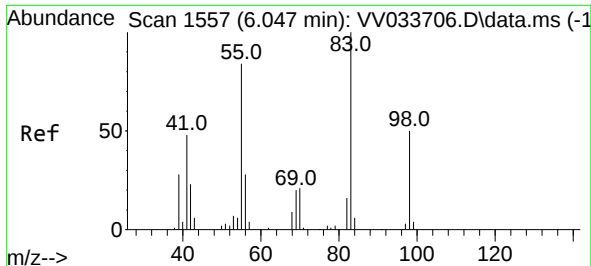
95 100

97 64.1 45.1 83.9

132 95.0 65.2 121.2

130 98.9 66.0 122.6

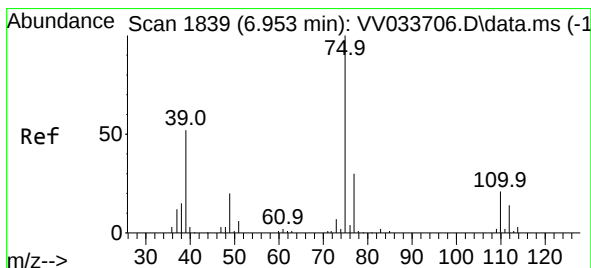
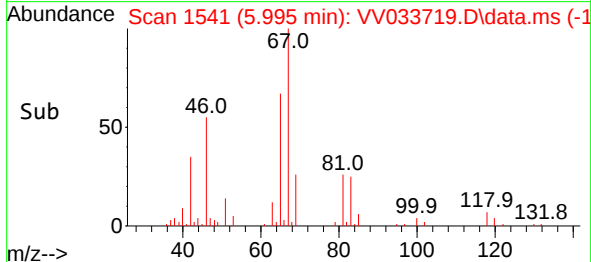
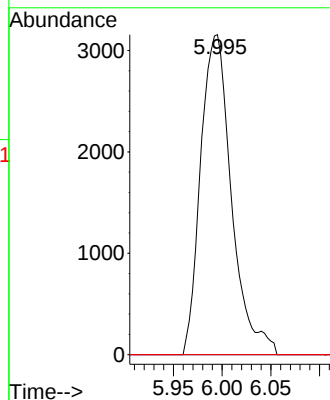
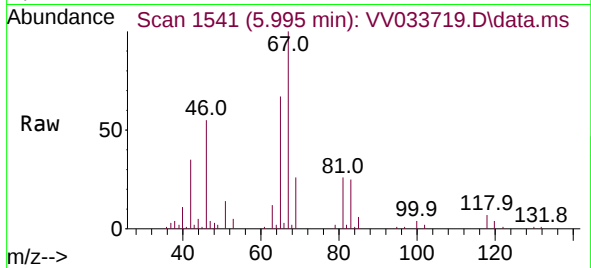




#35
Methylcyclohexane
Concen: 0.458 ug/L
RT: 5.995 min Scan# 11
Delta R.T. -0.051 min
Lab File: VV033719.D
Acq: 17 Jan 2024 14:55

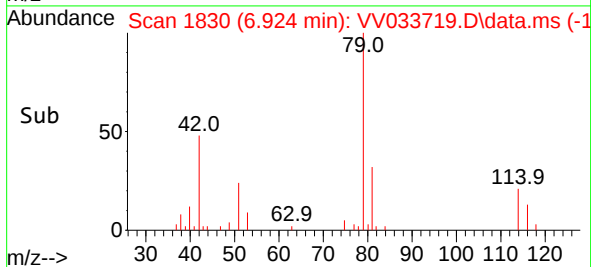
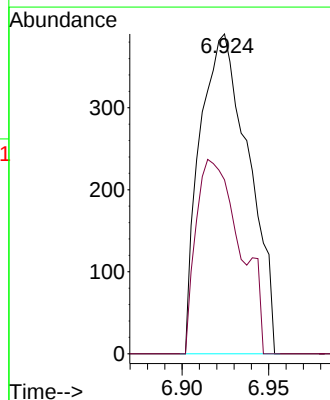
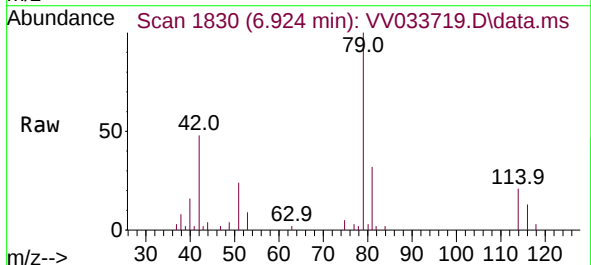
Instrument :
MSVOA_V
ClientSampleId :

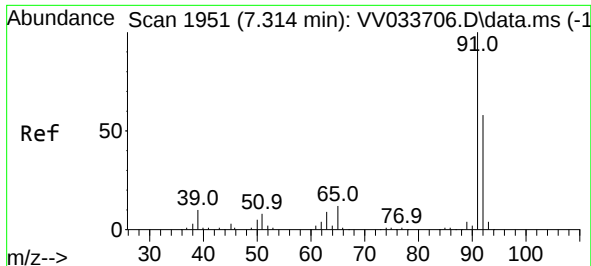
Tgt Ion: 83 Resp: 6954
Ion Ratio Lower Upper
83 100
55 0.0 68.7 103.1#
98 2.7 38.3 57.5#



#39
cis-1,3-Dichloropropene
Concen: 0.064 ug/L
RT: 6.924 min Scan# 1830
Delta R.T. -0.029 min
Lab File: VV033719.D
Acq: 17 Jan 2024 14:55

Tgt Ion: 75 Resp: 764
Ion Ratio Lower Upper
75 100
77 54.4 22.5 41.7#





#42

Toluene

Concen: 0.094 ug/L

RT: 7.333 min Scan# 1951

Delta R.T. 0.019 min

Lab File: VV033719.D

Acq: 17 Jan 2024 14:55

Instrument :

MSVOA_V

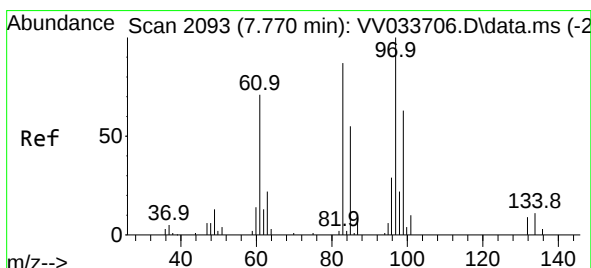
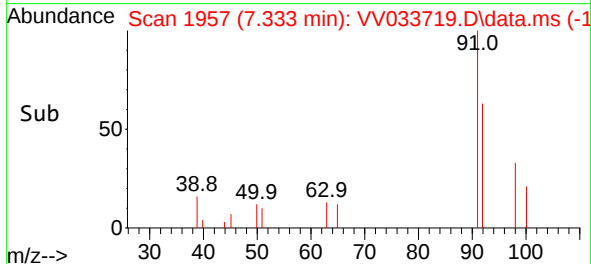
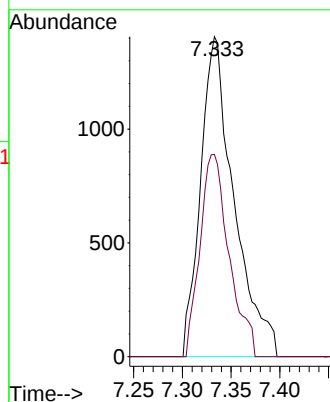
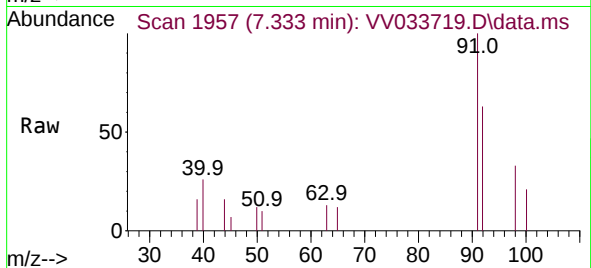
ClientSampleId :

Tgt Ion: 91 Resp: 3355

Ion Ratio Lower Upper

91 100

92 63.2 40.5 75.3



#45

1,1,2-Trichloroethane

Concen: 0.159 ug/L

RT: 7.786 min Scan# 2098

Delta R.T. 0.016 min

Lab File: VV033719.D

Acq: 17 Jan 2024 14:55

Tgt Ion: 97 Resp: 737

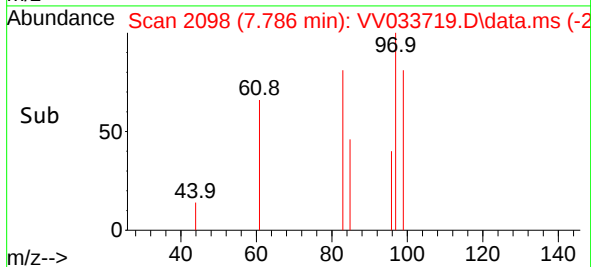
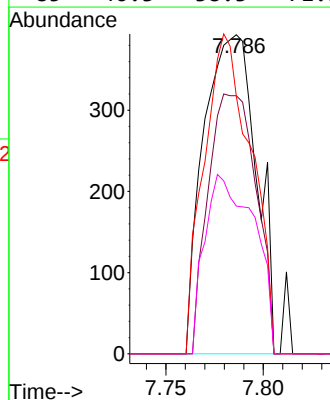
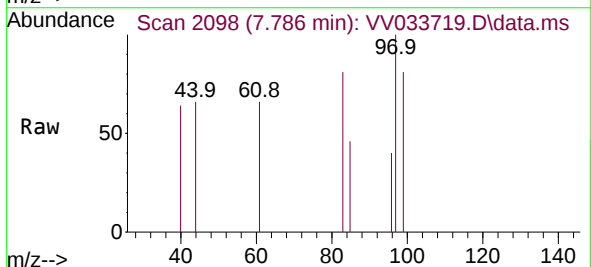
Ion Ratio Lower Upper

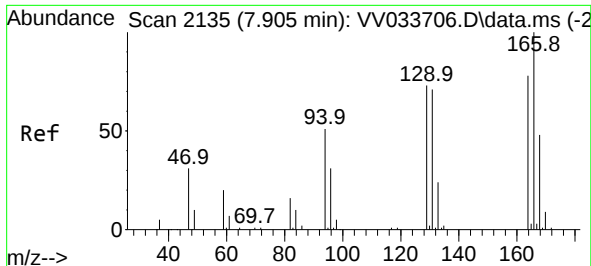
97 100

99 80.9 44.9 83.3

83 80.7 60.5 112.3

85 46.3 38.3 71.1





#47

Tetrachloroethene

Concen: 0.258 ug/L

RT: 7.915 min Scan# 2135

Delta R.T. 0.010 min

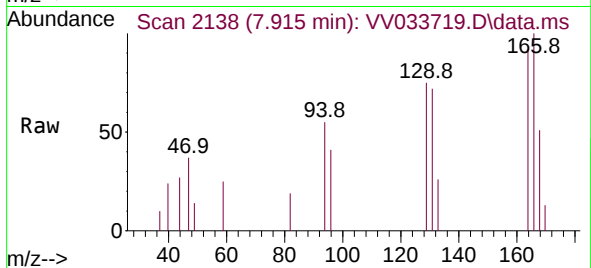
Lab File: VV033719.D

Acq: 17 Jan 2024 14:55

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 1663

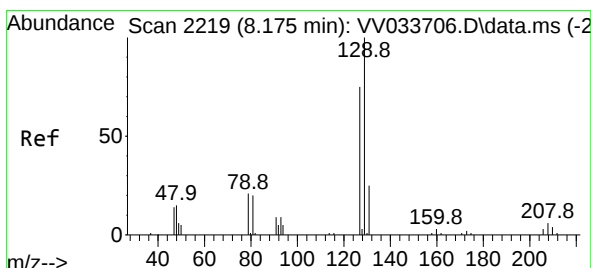
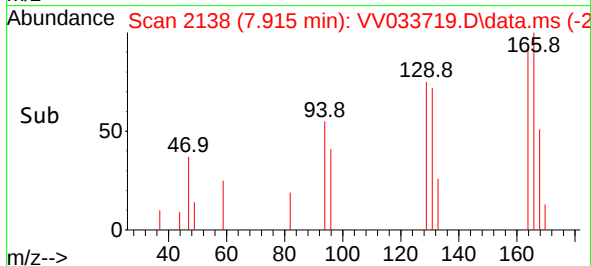
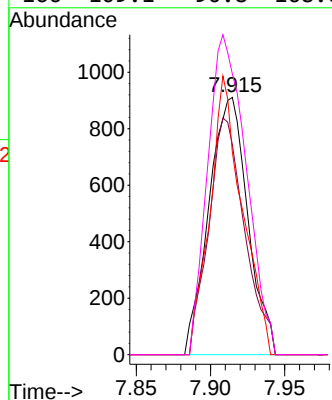
Ion Ratio Lower Upper

164 100

129 81.7 67.1 124.7

131 78.7 65.0 120.6

166 109.1 90.8 168.6



#49

Dibromochloromethane

Concen: 0.244 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.267 min

Lab File: VV033719.D

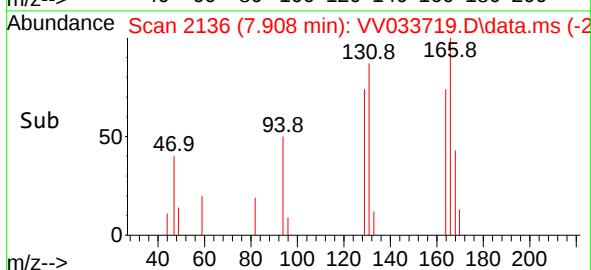
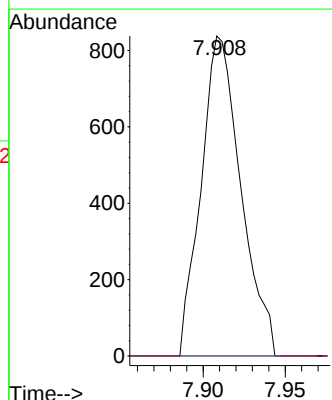
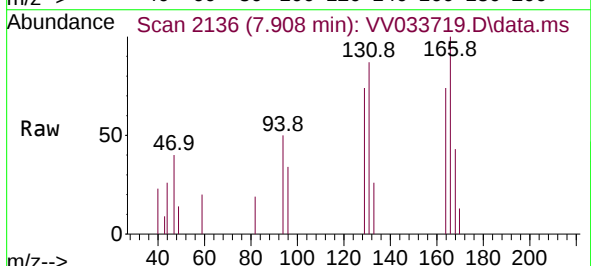
Acq: 17 Jan 2024 14:55

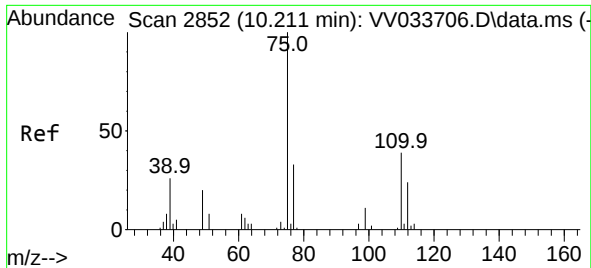
Tgt Ion:129 Resp: 1412

Ion Ratio Lower Upper

129 100

127 0.0 53.6 99.6#





#61

1,2,3-Trichloropropane

Concen: 1.617 ug/L

RT: 11.185 min Scan# 31

Delta R.T. 0.974 min

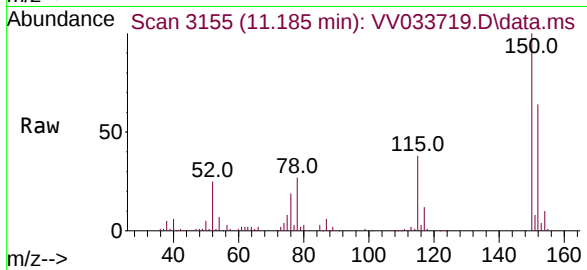
Lab File: VV033719.D

Acq: 17 Jan 2024 14:55

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75 Resp: 6641

Ion Ratio Lower Upper

75 100

77 33.6 24.7 37.1

110 0.3 28.0 42.0#

