

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021224\
 Data File : VV034130.D
 Acq On : 12 Feb 2024 11:23
 Operator : SY/MD
 Sample : P1402-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 13 00:45:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 13 00:43:48 2024
 Response via : Initial Calibration

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

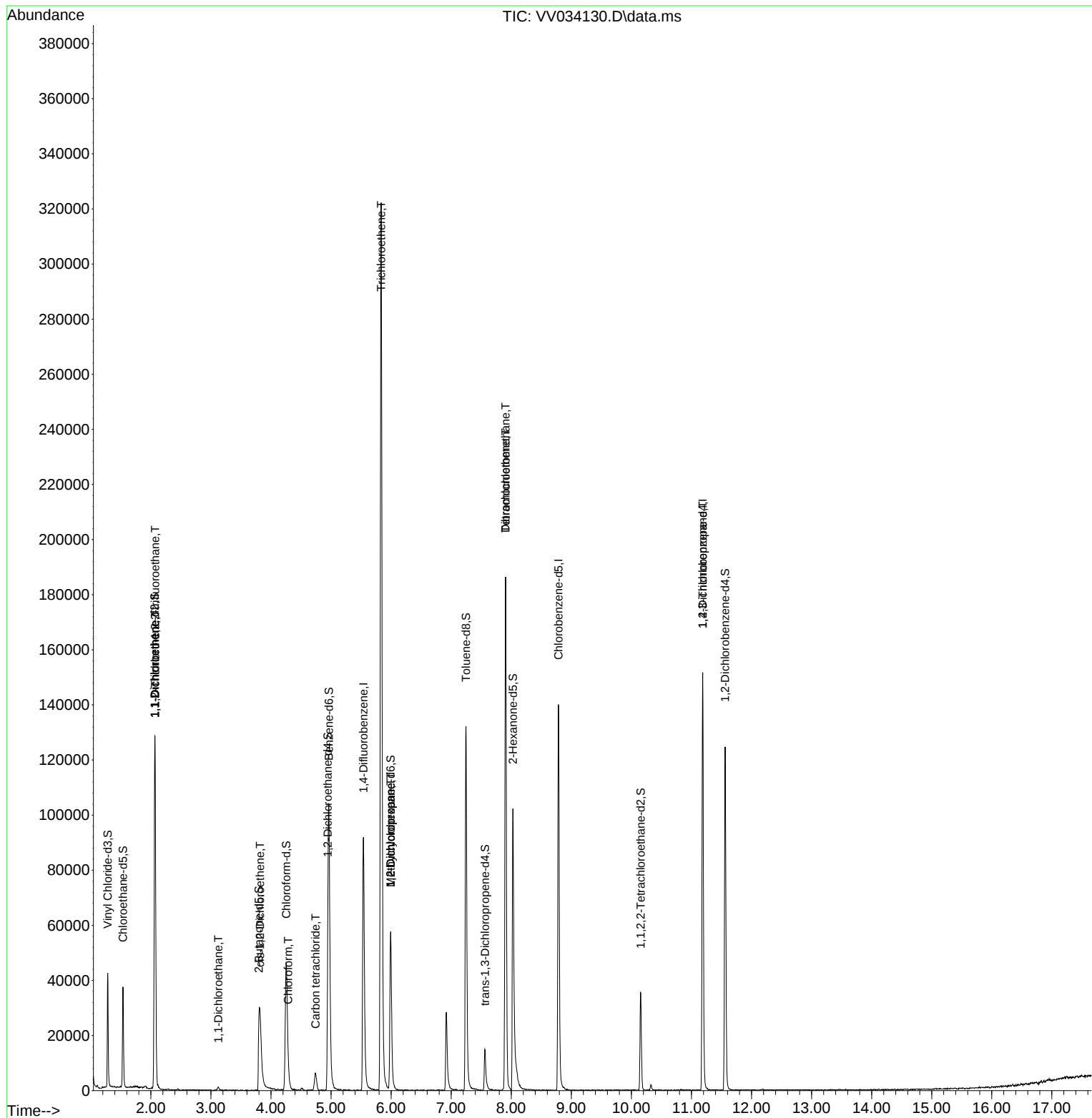
Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	82083	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	76900	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	39080	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	26290	4.136	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.800%
7) Chloroethane-d5	1.536	69	22627	4.064	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.200%
11) 1,1-Dichloroethene-d2	2.063	65	12962	4.228	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.600%
20) 2-Butanone-d5	3.799	46	42466	39.775	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.540%
24) Chloroform-d	4.252	84	49815	4.312	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
26) 1,2-Dichloroethane-d4	4.947	65	25020	4.635	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	4.963	84	93854	4.068	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
36) 1,2-Dichloropropane-d6	5.992	67	25659	3.979	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.600%
41) Toluene-d8	7.246	98	89205	4.207	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
43) trans-1,3-Dichloroprop...	7.564	79	10550	4.332	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.600%
46) 2-Hexanone-d5	8.027	63	35404	40.725	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.460%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	15534	3.973	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.400%
66) 1,2-Dichlorobenzene-d4	11.561	152	31868	4.484	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.600%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	6890	1.167	ug/L	99
12) 1,1-Dichloroethene	2.072	96	15575	2.716	ug/L #	68
19) 1,1-Dichloroethane	3.124	63	1624	0.151	ug/L	97
22) cis-1,2-Dichloroethene	3.818	96	7404	1.117	ug/L	91
25) Chloroform	4.285	83	3453	0.318	ug/L	96
31) Carbon tetrachloride	4.741	117	4934	0.546	ug/L	92
34) Trichloroethene	5.834	95	110141	16.500	ug/L	97
35) Methylcyclohexane	5.992	83	6986	0.667	ug/L #	17
37) 1,2-Dichloropropane	5.992	63	3421	0.612	ug/L #	87
47) Tetrachloroethene	7.905	164	40490	7.465	ug/L	96
49) Dibromochloromethane	7.905	129	36281	8.850	ug/L #	11
61) 1,2,3-Trichloropropane	11.188	75	4621	1.720	ug/L #	63

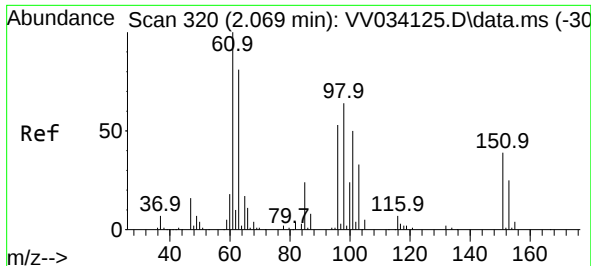
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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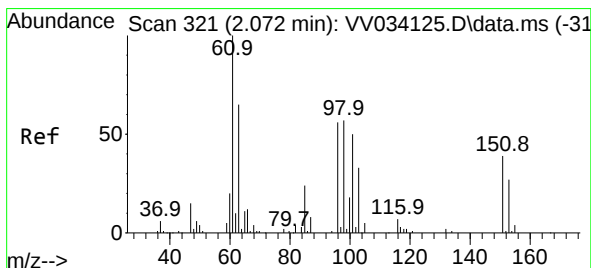
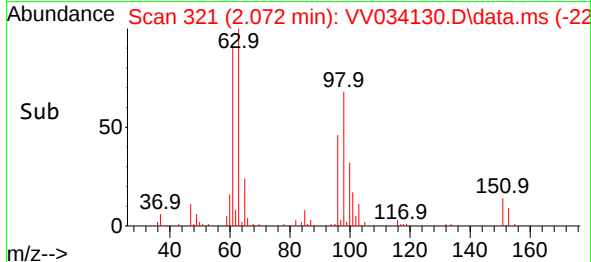
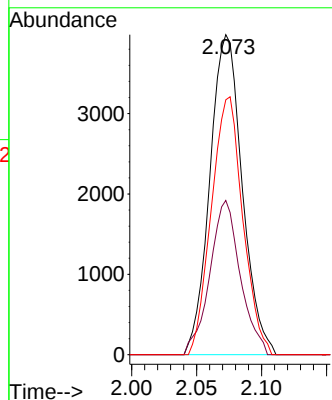
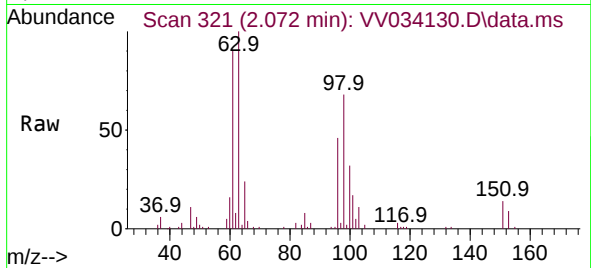




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.167 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV034130.D
 Acq: 12 Feb 2024 11:23

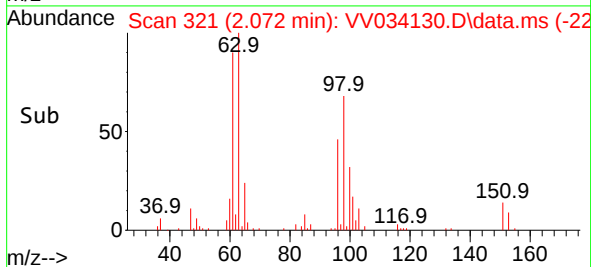
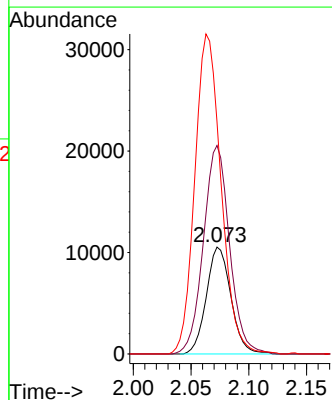
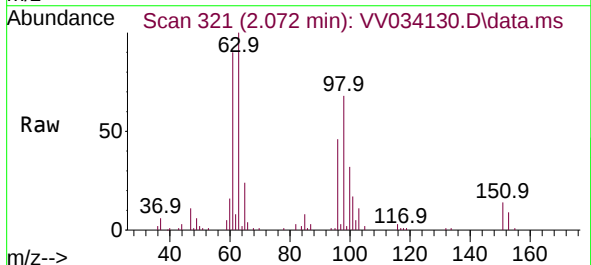
Instrument :
 MSVOA_V
 ClientSampleId :

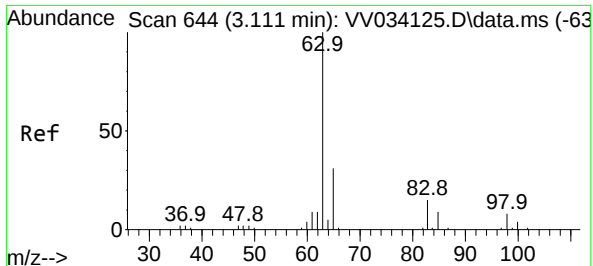
Tgt Ion:101 Resp: 6890
 Ion Ratio Lower Upper
 101 100
 85 45.4 37.1 55.7
 151 78.3 61.7 92.5



#12
 1,1-Dichloroethene
 Concen: 2.716 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV034130.D
 Acq: 12 Feb 2024 11:23

Tgt Ion: 96 Resp: 15575
 Ion Ratio Lower Upper
 96 100
 61 195.1 128.8 239.2
 63 217.3 97.9 181.9#





#19

1,1-Dichloroethane

Concen: 0.151 ug/L

RT: 3.124 min Scan# 644

Delta R.T. 0.013 min

Lab File: VV034130.D

Acq: 12 Feb 2024 11:23

Instrument :

MSVOA_V

ClientSampleId :

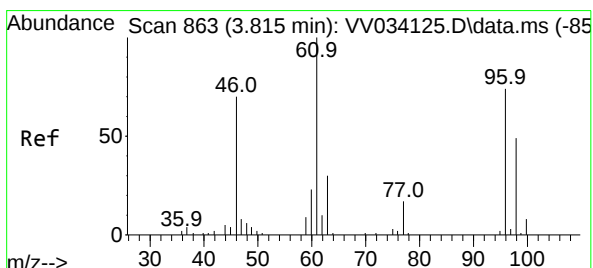
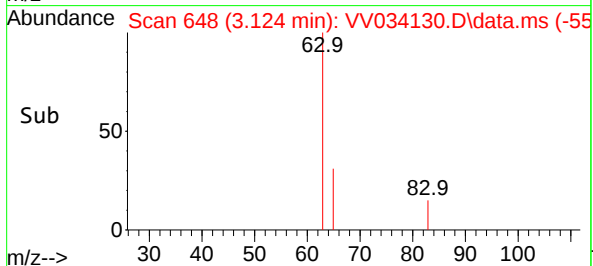
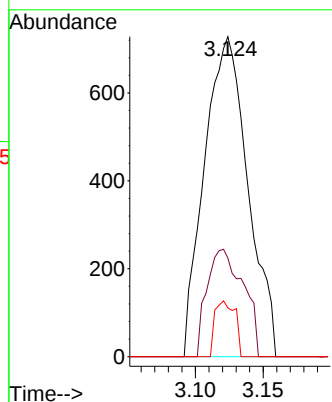
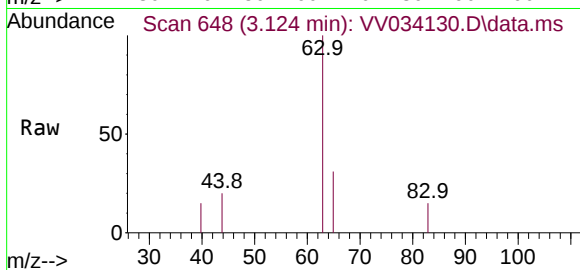
Tgt Ion: 63 Resp: 1624

Ion Ratio Lower Upper

63 100

65 30.8 20.8 38.6

83 15.2 9.4 17.4



#22

cis-1,2-Dichloroethene

Concen: 1.117 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.003 min

Lab File: VV034130.D

Acq: 12 Feb 2024 11:23

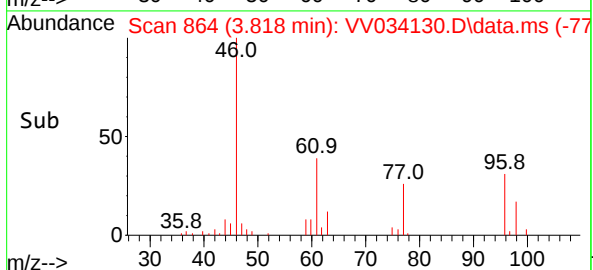
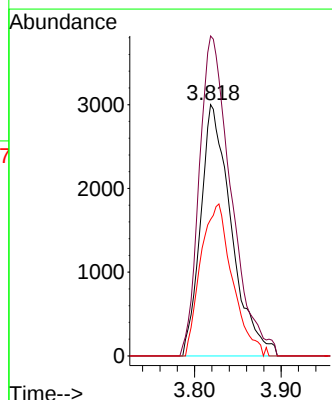
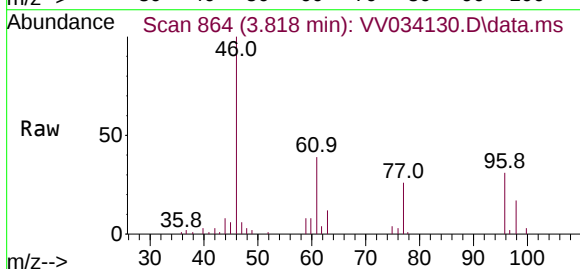
Tgt Ion: 96 Resp: 7404

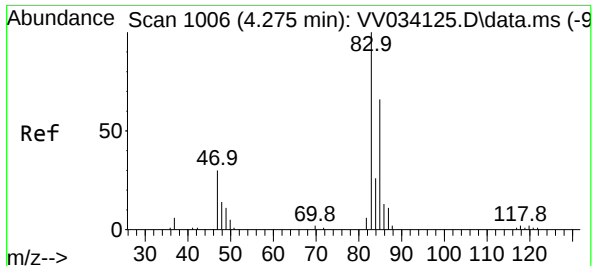
Ion Ratio Lower Upper

96 100

61 120.9 90.3 167.7

98 51.6 43.2 80.2





#25

Chloroform

Concen: 0.318 ug/L

RT: 4.285 min Scan# 110

Delta R.T. 0.010 min

Lab File: VV034130.D

Acq: 12 Feb 2024 11:23

Instrument :

MSVOA_V

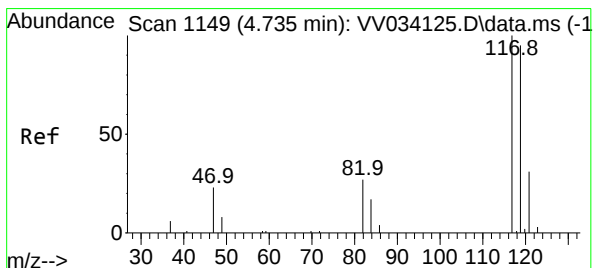
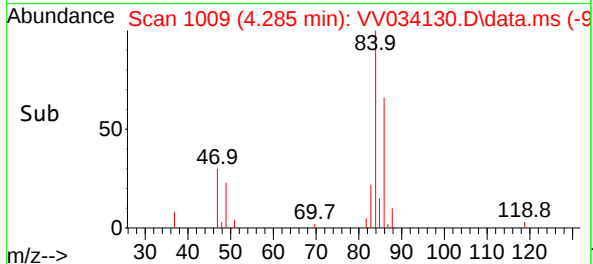
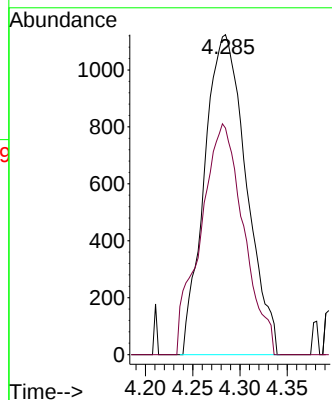
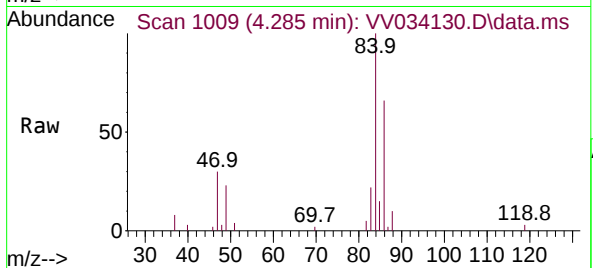
ClientSampleId :

Tgt Ion: 83 Resp: 3453

Ion Ratio Lower Upper

83 100

85 70.8 47.5 88.1



#31

Carbon tetrachloride

Concen: 0.546 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. 0.007 min

Lab File: VV034130.D

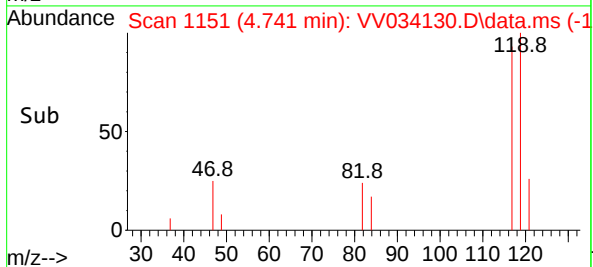
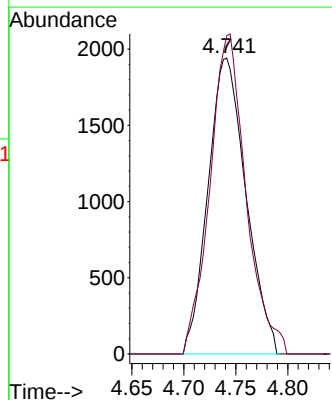
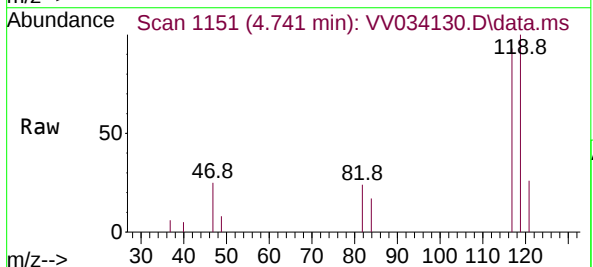
Acq: 12 Feb 2024 11:23

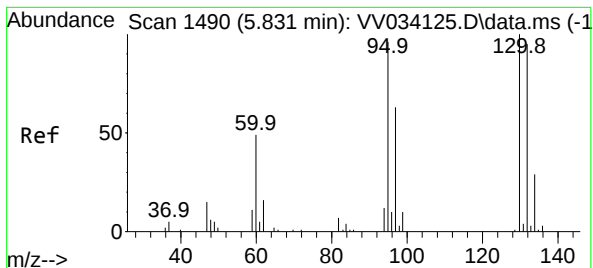
Tgt Ion: 117 Resp: 4934

Ion Ratio Lower Upper

117 100

119 102.6 76.1 114.1





#34

Trichloroethene

Concen: 16.500 ug/L

RT: 5.834 min Scan# 1490

Delta R.T. 0.003 min

Lab File: VV034130.D

Acq: 12 Feb 2024 11:23

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 110141

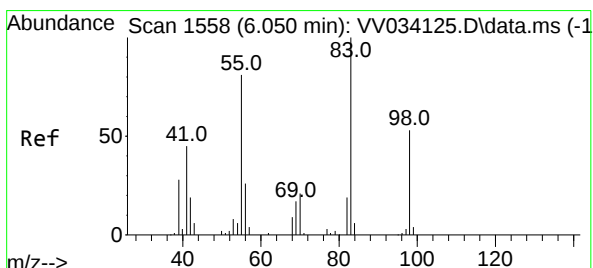
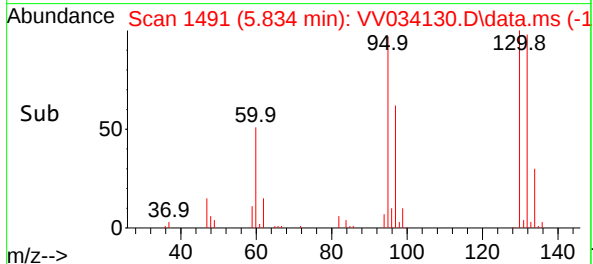
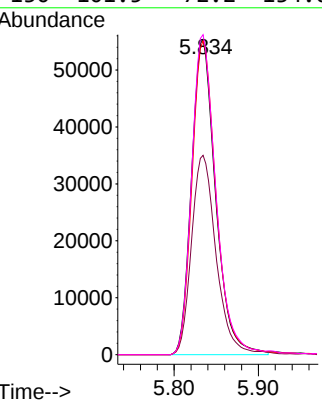
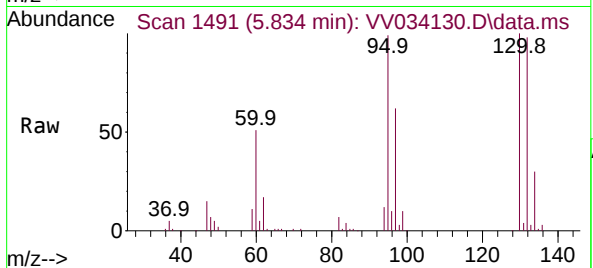
Ion Ratio Lower Upper

95 100

97 63.2 45.1 83.7

132 99.6 66.0 122.6

130 101.5 72.2 134.0



#35

Methylcyclohexane

Concen: 0.667 ug/L

RT: 5.992 min Scan# 1540

Delta R.T. -0.058 min

Lab File: VV034130.D

Acq: 12 Feb 2024 11:23

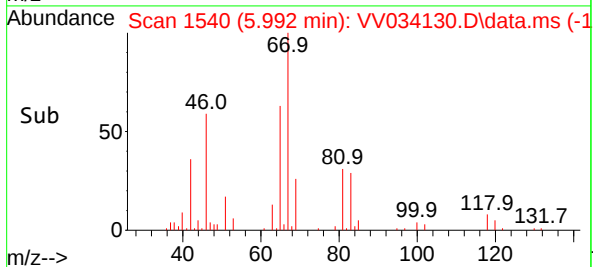
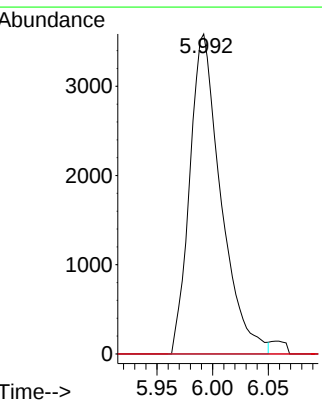
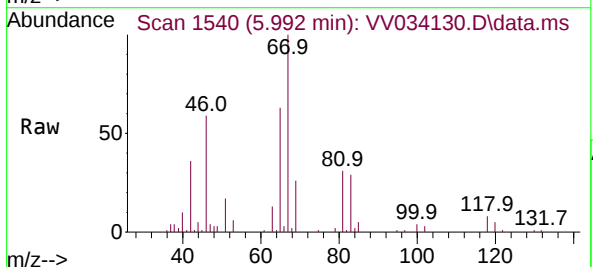
Tgt Ion: 83 Resp: 6986

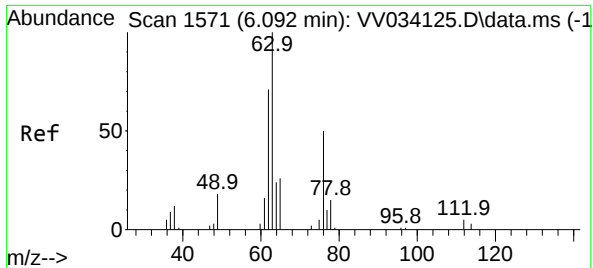
Ion Ratio Lower Upper

83 100

55 0.0 63.5 95.3#

98 0.0 39.0 58.4#





#37

1,2-Dichloropropane

Concen: 0.612 ug/L

RT: 5.992 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV034130.D

Acq: 12 Feb 2024 11:23

Instrument :

MSVOA_V

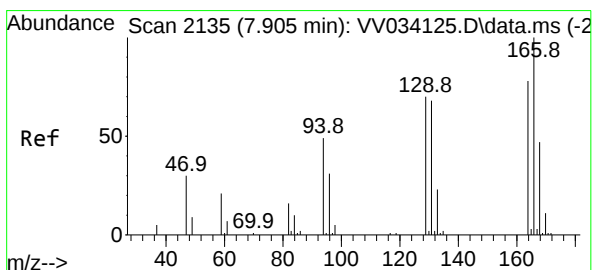
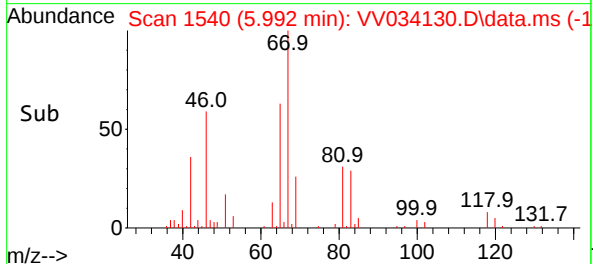
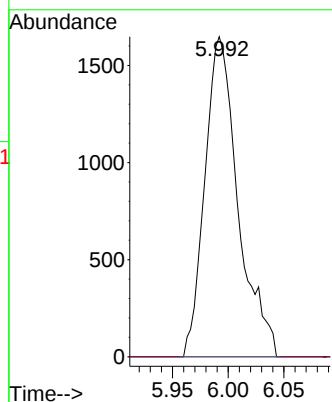
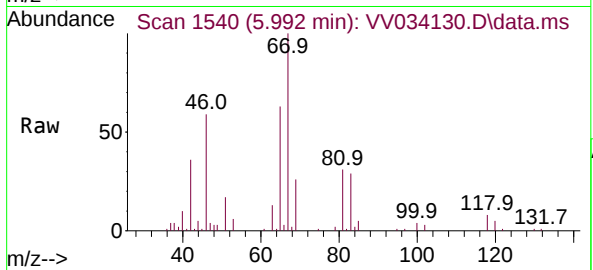
ClientSampleId :

Tgt Ion: 63 Resp: 3421

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#



#47

Tetrachloroethene

Concen: 7.465 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VV034130.D

Acq: 12 Feb 2024 11:23

Tgt Ion:164 Resp: 40490

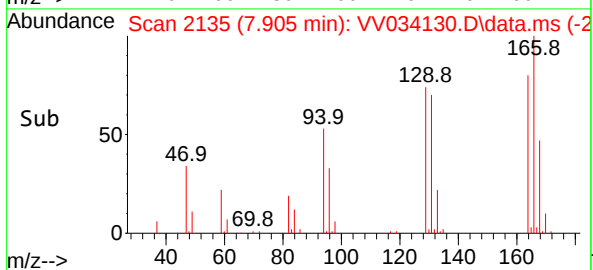
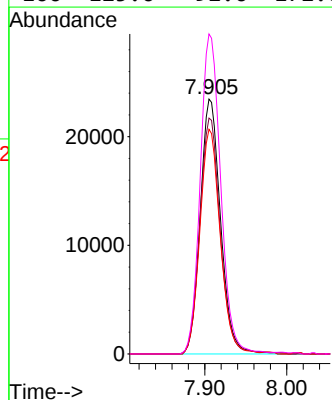
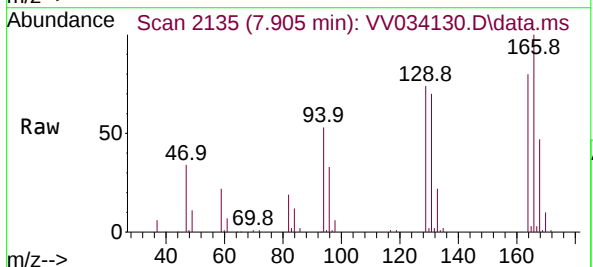
Ion Ratio Lower Upper

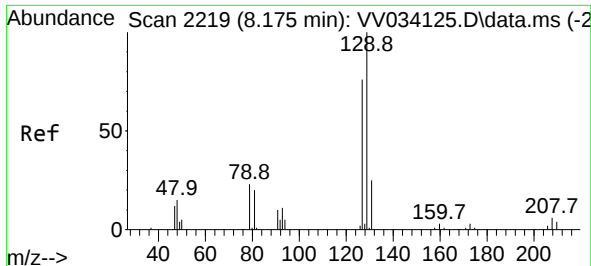
164 100

129 92.6 67.8 125.8

131 88.2 63.0 117.0

166 125.6 92.6 172.0





#49

Dibromochloromethane

Concen: 8.850 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.270 min

Lab File: VV034130.D

Acq: 12 Feb 2024 11:23

Instrument :

MSVOA_V

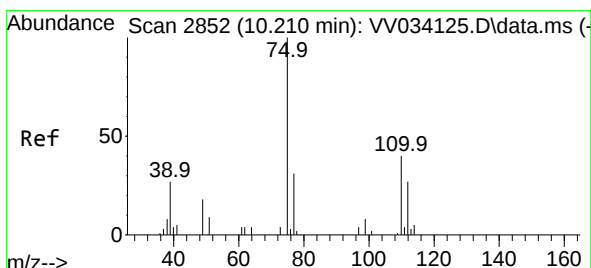
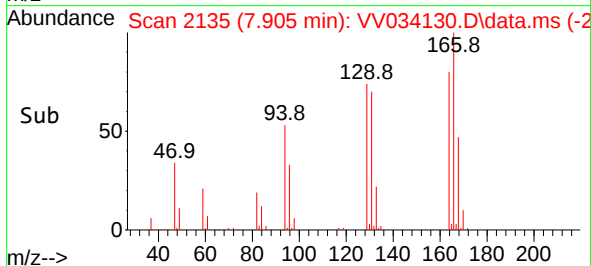
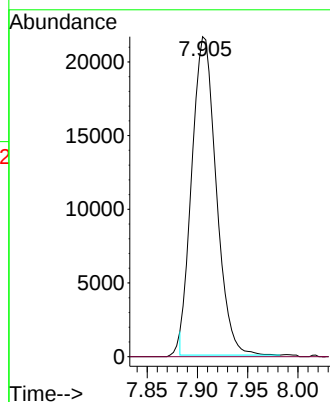
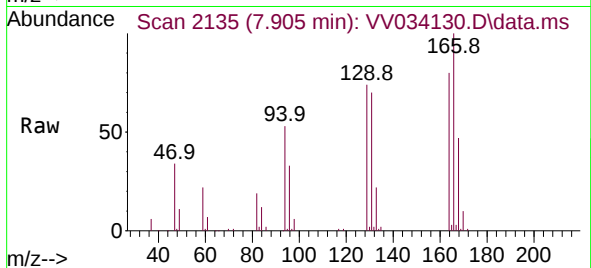
ClientSampleId :

Tgt Ion:129 Resp: 36281

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#



#61

1,2,3-Trichloropropane

Concen: 1.720 ug/L

RT: 11.188 min Scan# 3156

Delta R.T. 0.978 min

Lab File: VV034130.D

Acq: 12 Feb 2024 11:23

Tgt Ion: 75 Resp: 4621

Ion Ratio Lower Upper

75 100

77 36.1 26.9 40.3

110 2.1 33.3 49.9#

