

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021224\
 Data File : VW034129.D
 Acq On : 12 Feb 2024 11:00
 Operator : SY/MD
 Sample : P1402-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 13 00:45:12 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)

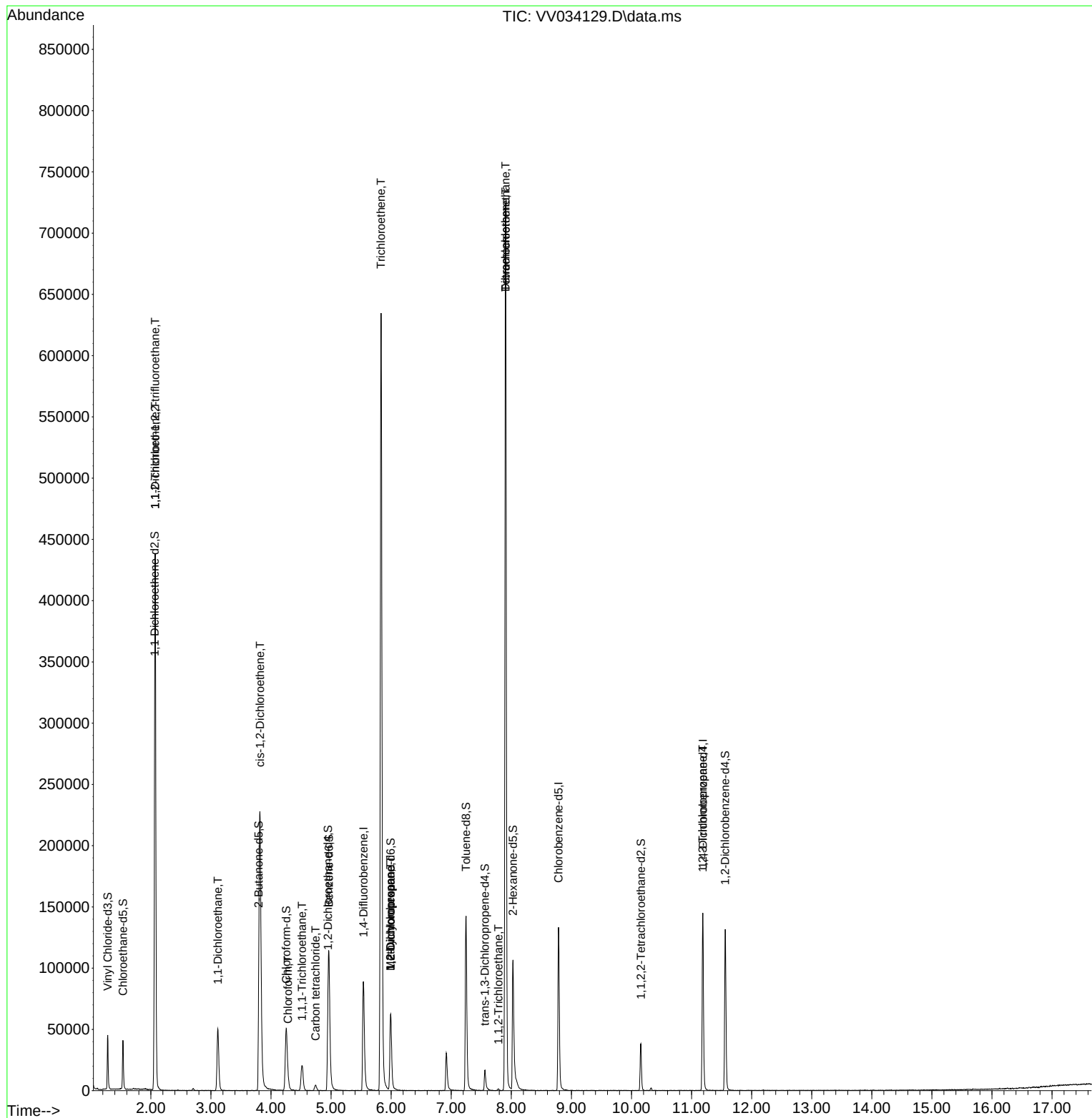
Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	78859	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	73024	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	37220	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	28282	4.631	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.600%
7) Chloroethane-d5	1.536	69	24182	4.520	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.063	65	13556	4.602	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.000%
20) 2-Butanone-d5	3.796	46	45045	43.915	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.840%
24) Chloroform-d	4.253	84	53094	4.784	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	4.947	65	26062	5.025	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.600%
32) Benzene-d6	4.963	84	102794	4.692	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
36) 1,2-Dichloropropane-d6	5.992	67	28154	4.597	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.000%
41) Toluene-d8	7.246	98	94570	4.697	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
43) trans-1,3-Dichloroprop...	7.561	79	11340	4.904	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.000%
46) 2-Hexanone-d5	8.027	63	37048	44.878	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.760%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	17338	4.670	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	11.561	152	33845	5.000	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.000%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	5619	0.990	ug/L	93
12) 1,1-Dichloroethene	2.073	96	108520	19.699	ug/L #	76
19) 1,1-Dichloroethane	3.114	63	49420	4.793	ug/L	96
22) cis-1,2-Dichloroethene	3.815	96	116875	18.359	ug/L	99
25) Chloroform	4.281	83	3547	0.340	ug/L	96
29) 1,1,1-Trichloroethane	4.516	97	17492	1.784	ug/L	99
31) Carbon tetrachloride	4.741	117	3372	0.393	ug/L	99
34) Trichloroethene	5.831	95	211704	33.398	ug/L	98
35) Methylcyclohexane	5.989	83	7170	0.721	ug/L #	17
37) 1,2-Dichloropropane	5.989	63	3689	0.695	ug/L #	87
45) 1,1,2-Trichloroethane	7.786	97	659	0.201	ug/L #	56
47) Tetrachloroethene	7.905	164	151810	29.475	ug/L	97
49) Dibromochloromethane	7.905	129	135080	34.698	ug/L #	11
61) 1,2,3-Trichloropropane	11.185	75	4598	1.797	ug/L #	60

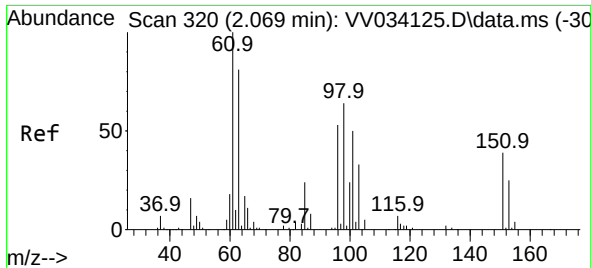
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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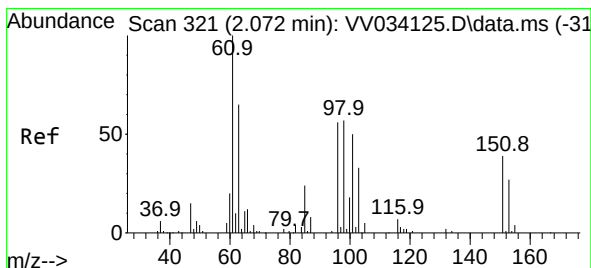
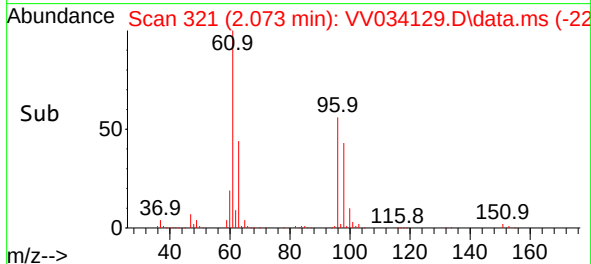
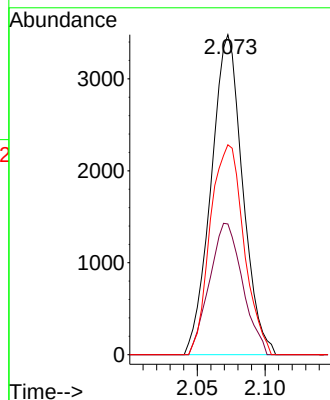
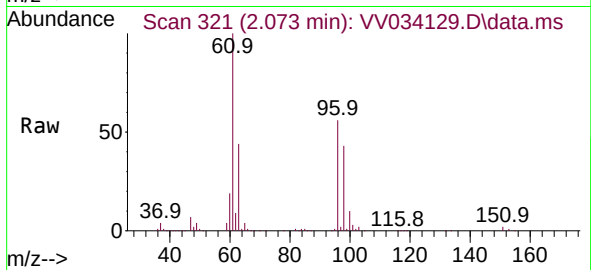




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.990 ug/L
 RT: 2.073 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV034129.D
 Acq: 12 Feb 2024 11:00

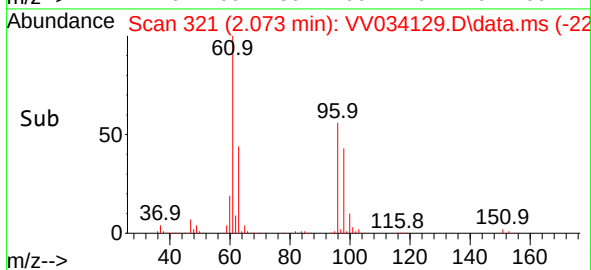
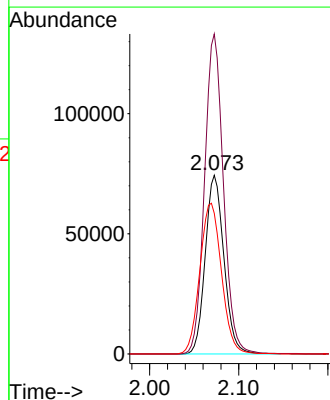
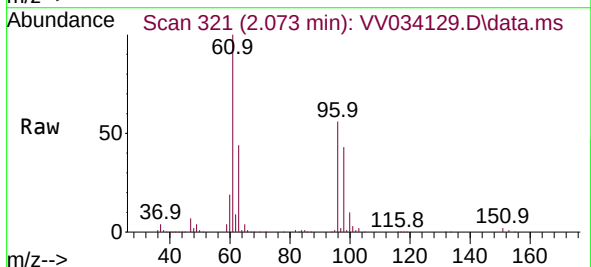
Instrument :
 MSVOA_V
 ClientSampleId :

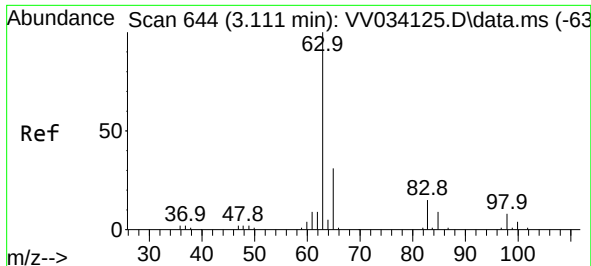
Tgt Ion:101 Resp: 5619
 Ion Ratio Lower Upper
 101 100
 85 42.9 37.1 55.7
 151 69.9 61.7 92.5



#12
 1,1-Dichloroethene
 Concen: 19.699 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV034129.D
 Acq: 12 Feb 2024 11:00

Tgt Ion: 96 Resp: 108520
 Ion Ratio Lower Upper
 96 100
 61 179.0 128.8 239.2
 63 78.7 97.9 181.9#





#19

1,1-Dichloroethane

Concen: 4.793 ug/L

RT: 3.114 min Scan# 644

Delta R.T. 0.003 min

Lab File: VV034129.D

Acq: 12 Feb 2024 11:00

Instrument :

MSVOA_V

ClientSampleId :

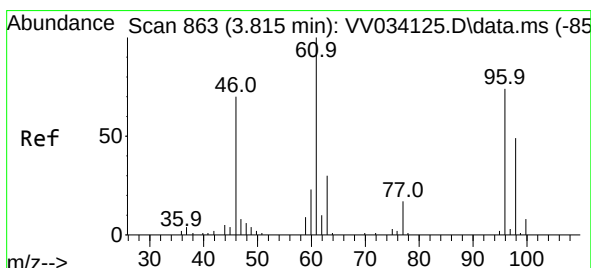
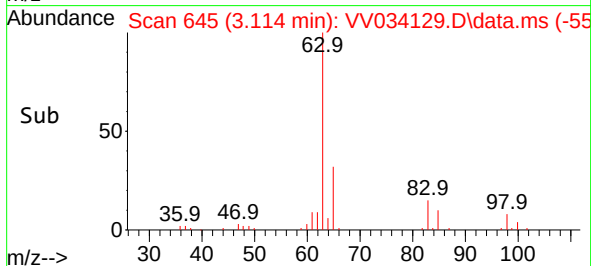
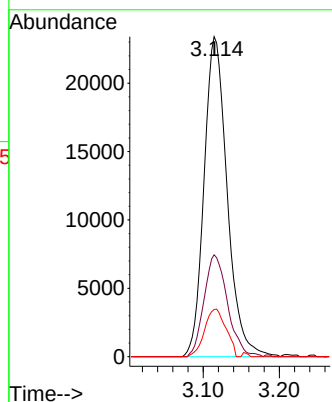
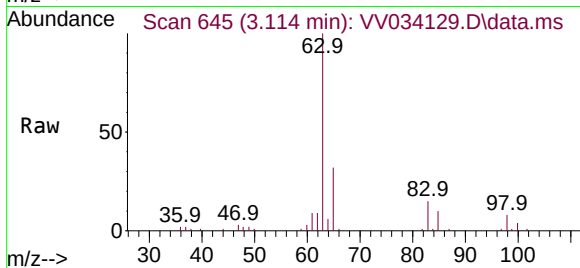
Tgt Ion: 63 Resp: 49420

Ion Ratio Lower Upper

63 100

65 31.9 20.8 38.6

83 14.8 9.4 17.4



#22

cis-1,2-Dichloroethene

Concen: 18.359 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.000 min

Lab File: VV034129.D

Acq: 12 Feb 2024 11:00

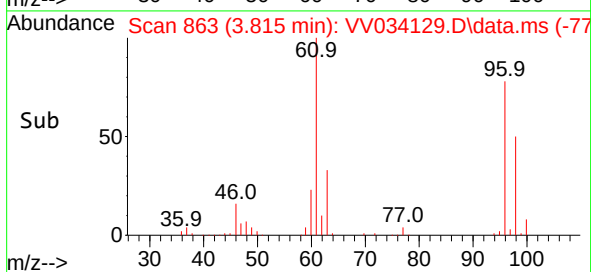
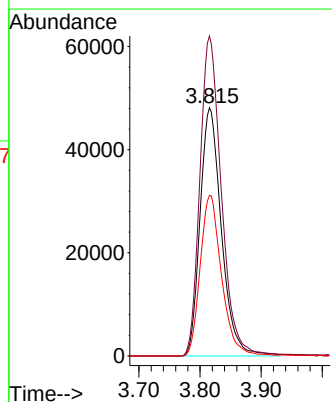
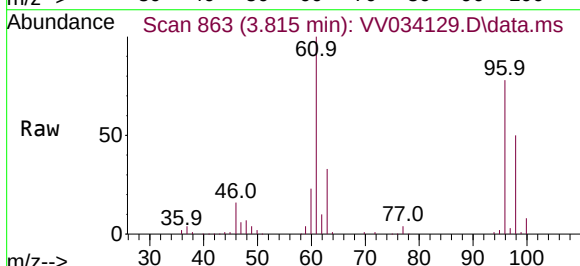
Tgt Ion: 96 Resp: 116875

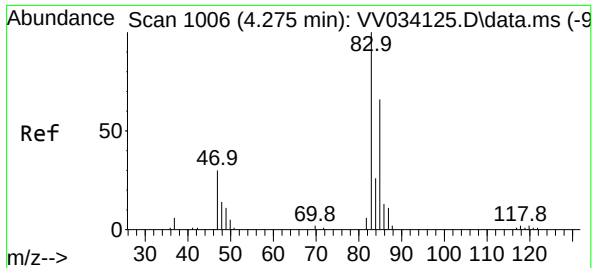
Ion Ratio Lower Upper

96 100

61 128.9 90.3 167.7

98 64.6 43.2 80.2

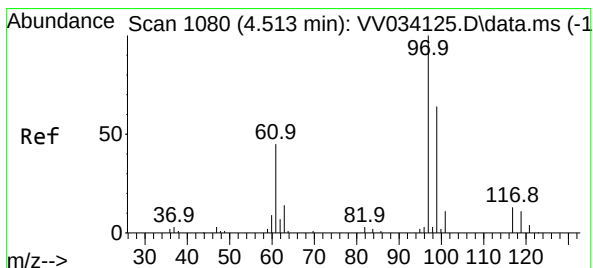
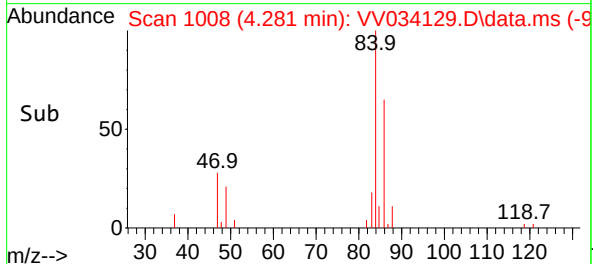
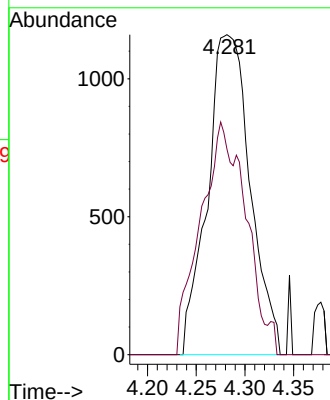
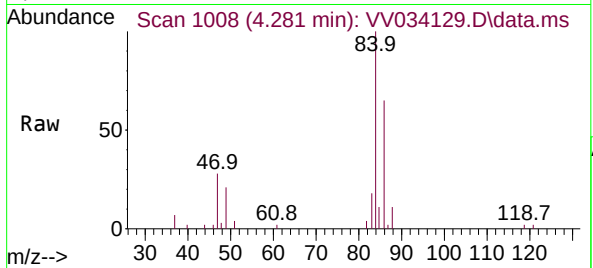




#25
Chloroform
Concen: 0.340 ug/L
RT: 4.281 min Scan# 1008
Delta R.T. 0.007 min
Lab File: VV034129.D
Acq: 12 Feb 2024 11:00

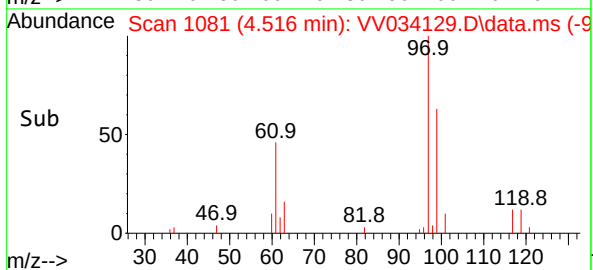
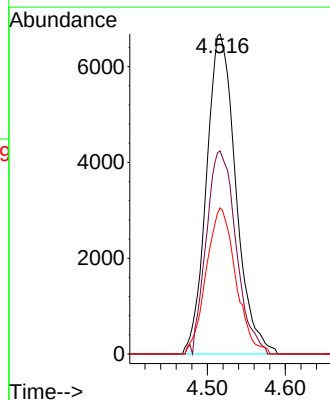
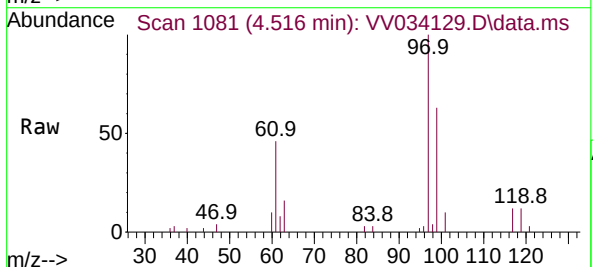
Instrument :
MSVOA_V
ClientSampleId :

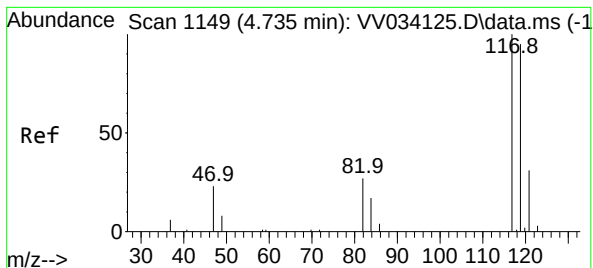
Tgt Ion: 83 Resp: 3547
Ion Ratio Lower Upper
83 100
85 64.3 47.5 88.1



#29
1,1,1-Trichloroethane
Concen: 1.784 ug/L
RT: 4.516 min Scan# 1081
Delta R.T. 0.003 min
Lab File: VV034129.D
Acq: 12 Feb 2024 11:00

Tgt Ion: 97 Resp: 17492
Ion Ratio Lower Upper
97 100
99 64.5 50.6 75.8
61 46.0 36.8 55.2





#31

Carbon tetrachloride

Concen: 0.393 ug/L

RT: 4.741 min Scan# 1149

Delta R.T. 0.007 min

Lab File: VV034129.D

Acq: 12 Feb 2024 11:00

Instrument :

MSVOA_V

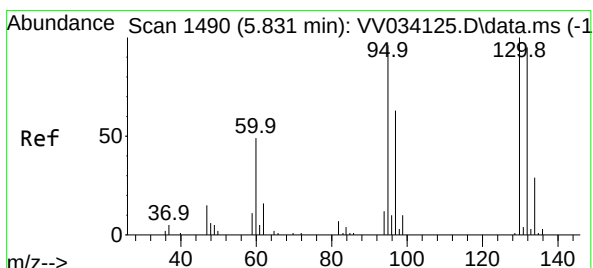
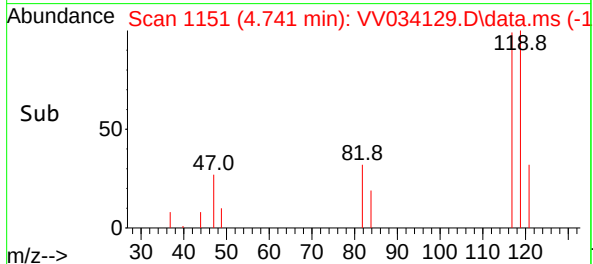
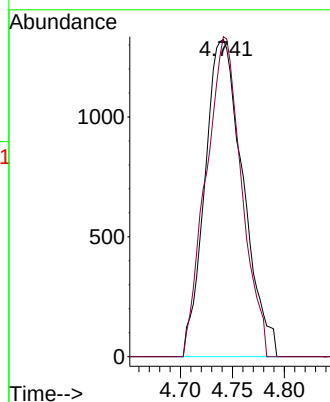
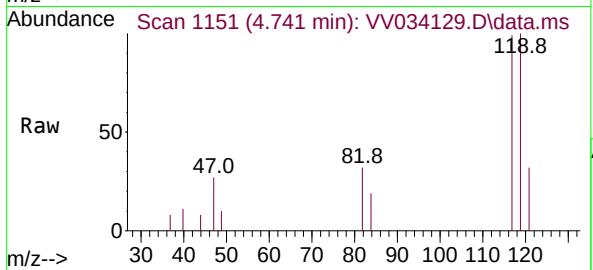
ClientSampleId :

Tgt Ion:117 Resp: 3372

Ion Ratio Lower Upper

117 100

119 94.3 76.1 114.1



#34

Trichloroethene

Concen: 33.398 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VV034129.D

Acq: 12 Feb 2024 11:00

Tgt Ion: 95 Resp: 211704

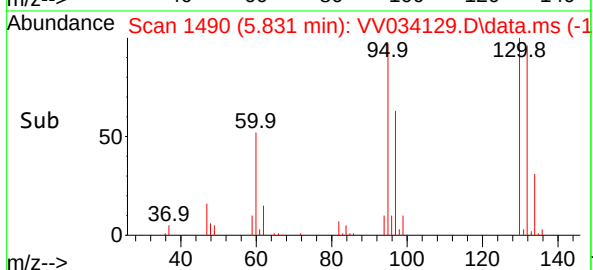
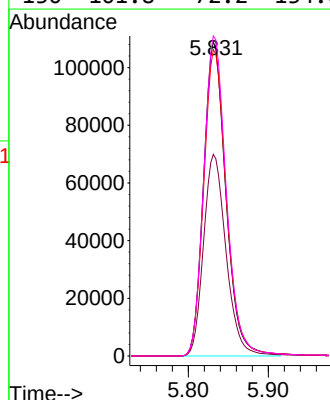
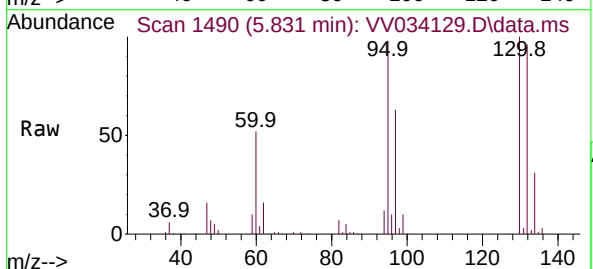
Ion Ratio Lower Upper

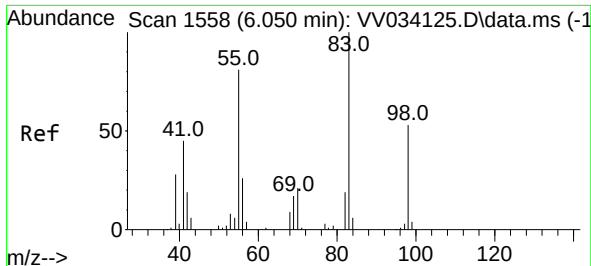
95 100

97 64.2 45.1 83.7

132 97.5 66.0 122.6

130 101.8 72.2 134.0

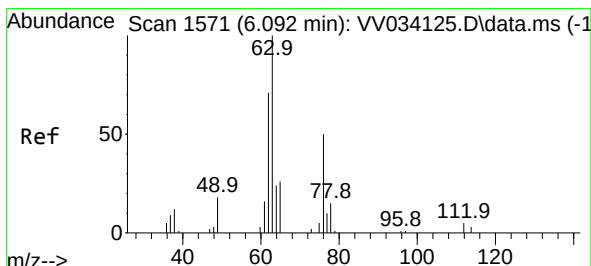
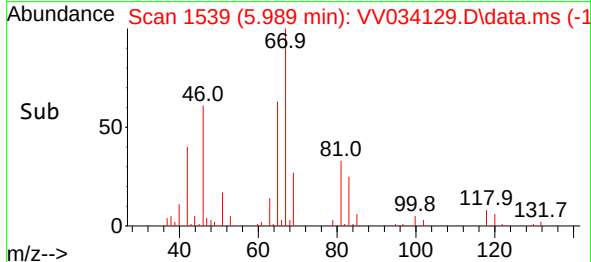
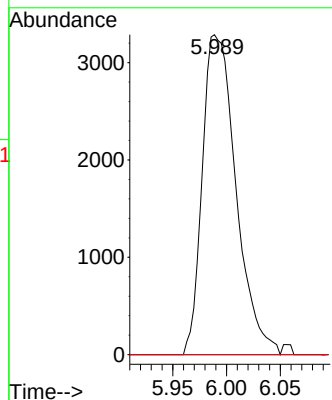
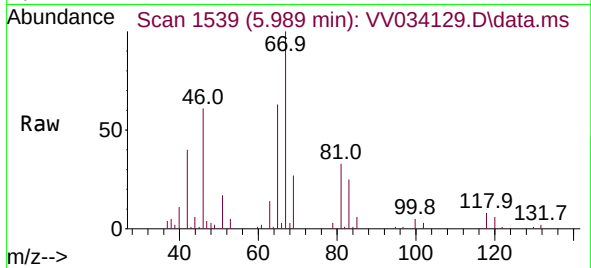




#35
Methylcyclohexane
Concen: 0.721 ug/L
RT: 5.989 min Scan# 1539
Delta R.T. -0.061 min
Lab File: VV034129.D
Acq: 12 Feb 2024 11:00

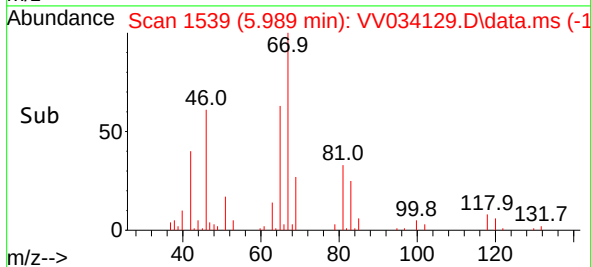
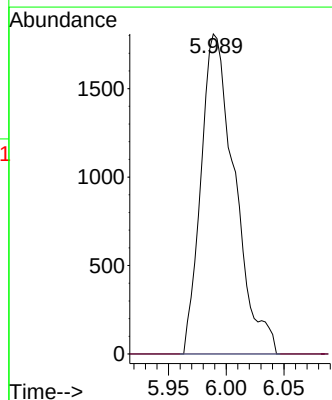
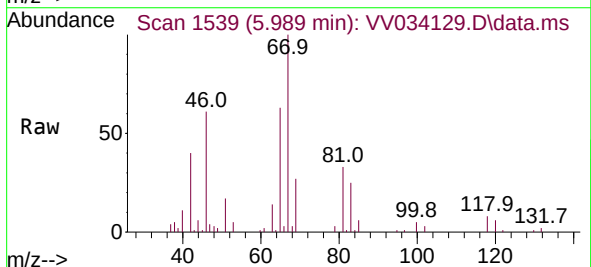
Instrument :
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ClientSampleId :

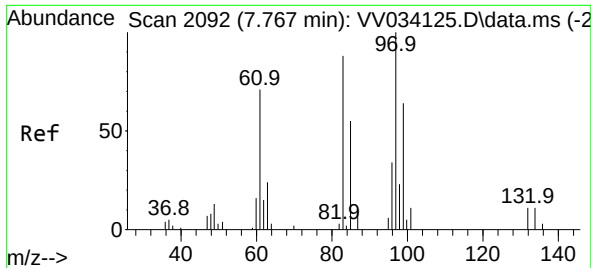
Tgt Ion: 83 Resp: 7170
Ion Ratio Lower Upper
83 100
55 0.0 63.5 95.3#
98 0.0 39.0 58.4#



#37
1,2-Dichloropropane
Concen: 0.695 ug/L
RT: 5.989 min Scan# 1539
Delta R.T. -0.103 min
Lab File: VV034129.D
Acq: 12 Feb 2024 11:00

Tgt Ion: 63 Resp: 3689
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

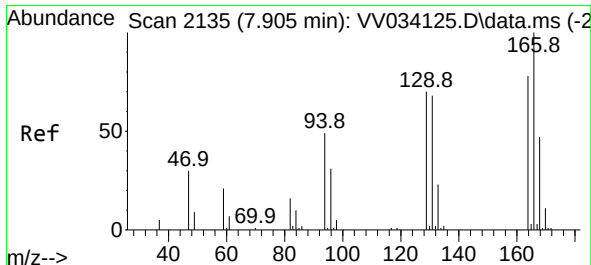
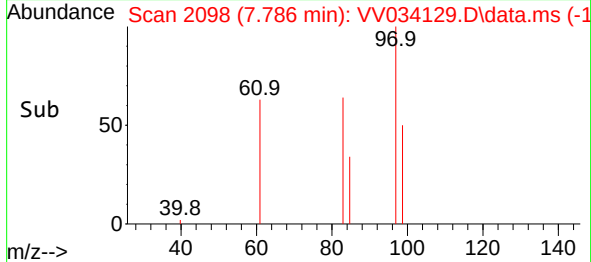
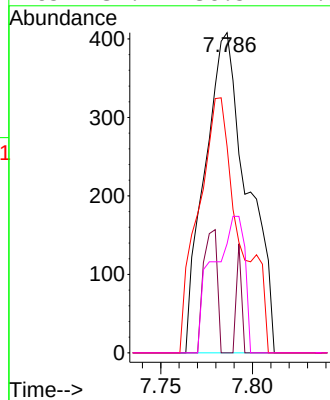
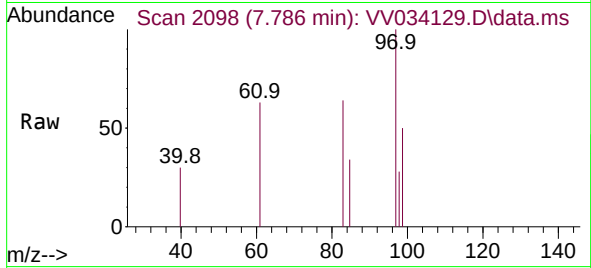




#45
1,1,2-Trichloroethane
Concen: 0.201 ug/L
RT: 7.786 min Scan# 2098
Delta R.T. 0.019 min
Lab File: VV034129.D
Acq: 12 Feb 2024 11:00

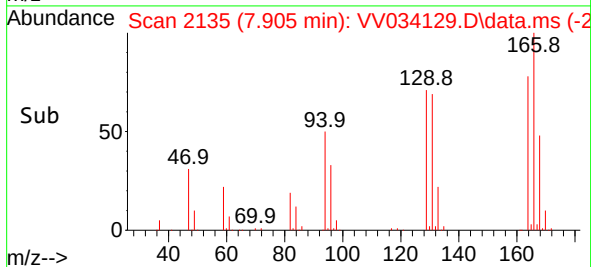
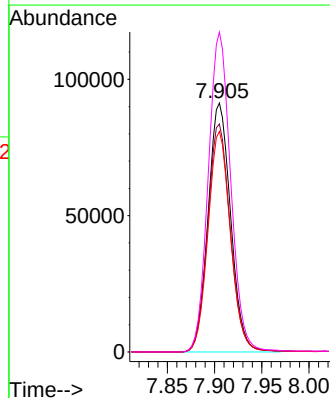
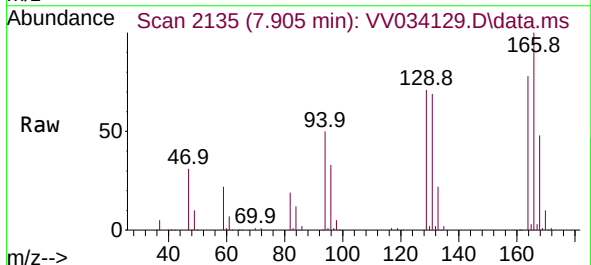
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MSVOA_V
ClientSampleId :

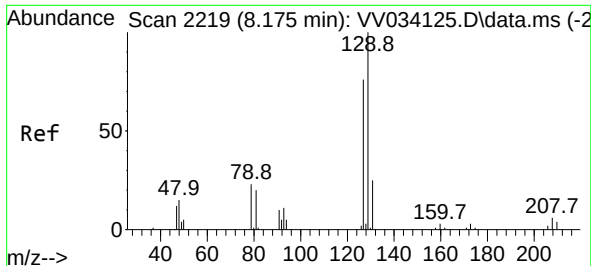
Tgt Ion: 97 Resp: 659
Ion Ratio Lower Upper
97 100
99 0.0 45.6 84.6#
83 64.5 62.3 115.7
85 34.1 38.5 71.5#



#47
Tetrachloroethene
Concen: 29.475 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV034129.D
Acq: 12 Feb 2024 11:00

Tgt Ion:164 Resp: 151810
Ion Ratio Lower Upper
164 100
129 91.6 67.8 125.8
131 88.6 63.0 117.0
166 128.5 92.6 172.0





#49

Dibromochloromethane

Concen: 34.698 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.270 min

Lab File: VV034129.D

Acq: 12 Feb 2024 11:00

Instrument :

MSVOA_V

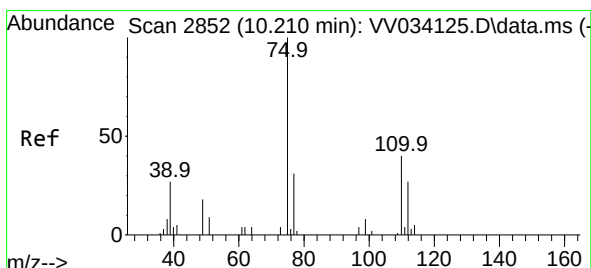
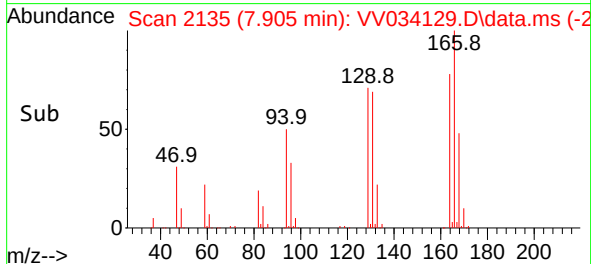
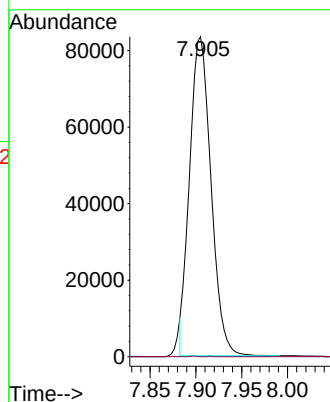
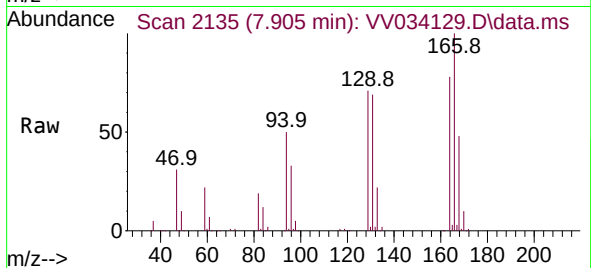
ClientSampleId :

Tgt Ion:129 Resp: 135080

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#



#61

1,2,3-Trichloropropane

Concen: 1.797 ug/L

RT: 11.185 min Scan# 3155

Delta R.T. 0.974 min

Lab File: VV034129.D

Acq: 12 Feb 2024 11:00

Tgt Ion: 75 Resp: 4598

Ion Ratio Lower Upper

75 100

77 39.1 26.9 40.3

110 1.5 33.3 49.9#

