

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022624\
 Data File : VW034419.D
 Acq On : 26 Feb 2024 19:55
 Operator : SY/MD
 Sample : P1535-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

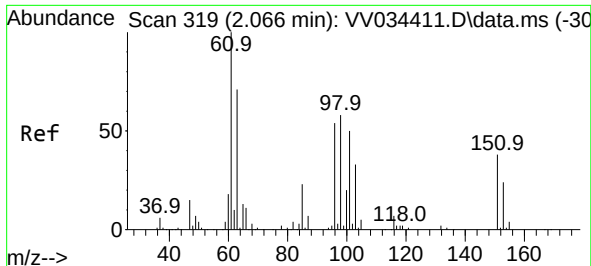
Quant Time: Feb 27 05:08:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 27 05:05:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	141553	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	136701	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	68878	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	40419	4.919	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	98.400%	
7) Chloroethane-d5	1.535	69	37240	5.132	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	102.600%	
11) 1,1-Dichloroethene-d2	2.060	65	18868	4.933	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	98.600%	
20) 2-Butanone-d5	3.805	46	122917	57.214	ug/L	-0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	=	114.420%	
24) Chloroform-d	4.252	84	86079	5.218	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	104.400%	
26) 1,2-Dichloroethane-d4	4.947	65	47951	5.711	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	114.200%	
32) Benzene-d6	4.963	84	156426	5.087	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	101.800%	
36) 1,2-Dichloropropane-d6	5.992	67	48465	5.278	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	105.600%	
41) Toluene-d8	7.246	98	137997	5.004	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	100.000%	
43) trans-1,3-Dichloroprop...	7.564	79	16258	4.753	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	95.000%	
46) 2-Hexanone-d5	8.024	63	113166	58.507	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	117.020%	
56) 1,1,2,2-Tetrachloroeth...	10.156	84	39743	5.468	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	109.400%	
66) 1,2-Dichlorobenzene-d4	11.561	152	56159	5.367	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	107.400%	
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	5633	0.612	ug/L	91
12) 1,1-Dichloroethene	2.069	96	82118	9.264	ug/L	81
19) 1,1-Dichloroethane	3.114	63	37002	2.133	ug/L	99
22) cis-1,2-Dichloroethene	3.815	96	88326	8.910	ug/L	97
25) Chloroform	4.278	83	13489	0.749	ug/L	97
29) 1,1,1-Trichloroethane	4.516	97	10142	0.593	ug/L	98
31) Carbon tetrachloride	4.738	117	17722	1.194	ug/L	96
34) Trichloroethene	5.831	95	334265	33.833	ug/L	99
35) Methylcyclohexane	5.992	83	12433	0.802	ug/L #	19
37) 1,2-Dichloropropane	5.992	63	6141	0.657	ug/L #	87
47) Tetrachloroethene	7.905	164	125708	16.219	ug/L	98
48) 2-Hexanone	8.024	43	12898	3.130	ug/L #	65
49) Dibromochloromethane	7.905	129	114482	15.458	ug/L #	11
61) 1,2,3-Trichloropropane	11.188	75	8339	1.569	ug/L #	66

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

Quant Time: Feb 27 05:08:44 2024
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Feb 27 05:05:59 2024
Response via : Initial Calibration

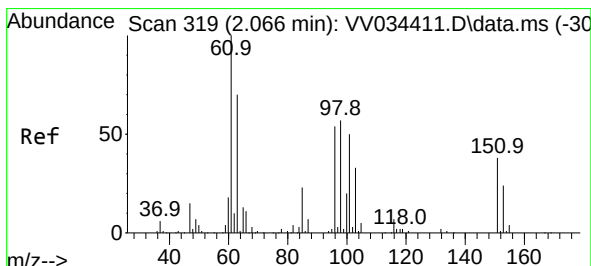
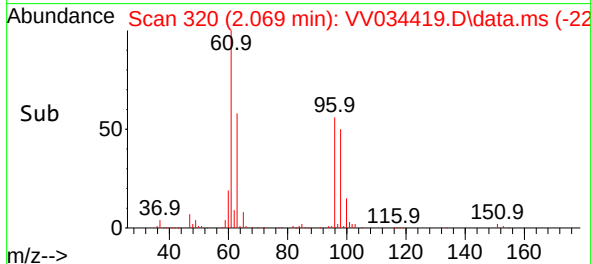
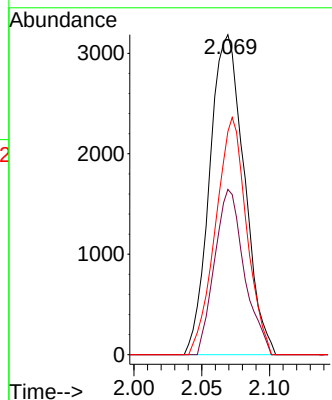
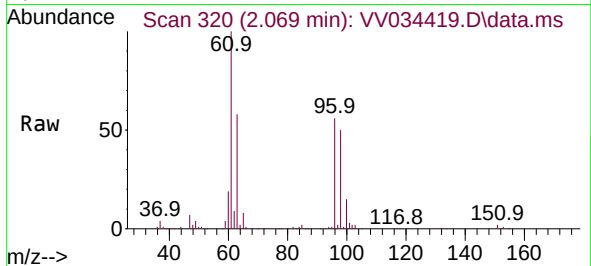




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.612 ug/L
RT: 2.069 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV034419.D
Acq: 26 Feb 2024 19:55

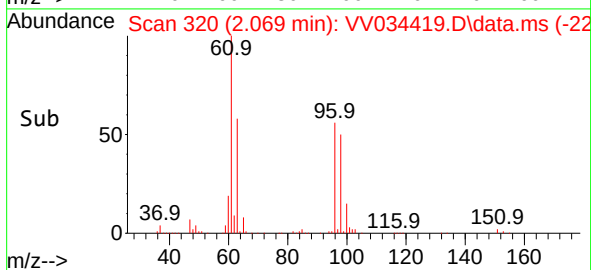
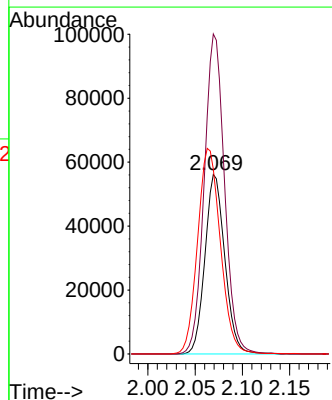
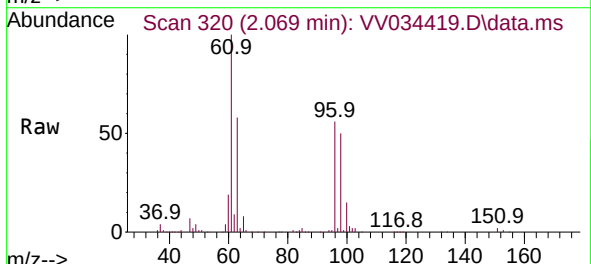
Instrument :
MSVOA_V
ClientSampleId :

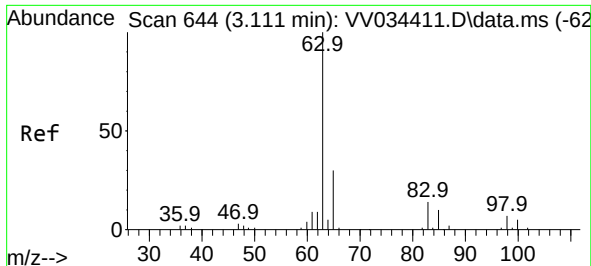
Tgt Ion:101 Resp: 5633
Ion Ratio Lower Upper
101 100
85 44.4 37.9 56.9
151 66.8 61.8 92.6



#12
1,1-Dichloroethene
Concen: 9.264 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.003 min
Lab File: VV034419.D
Acq: 26 Feb 2024 19:55

Tgt Ion: 96 Resp: 82118
Ion Ratio Lower Upper
96 100
61 178.3 131.3 243.8
63 103.0 102.8 191.0





#19

1,1-Dichloroethane

Concen: 2.133 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV034419.D

Acq: 26 Feb 2024 19:55

Instrument :

MSVOA_V

ClientSampleId :

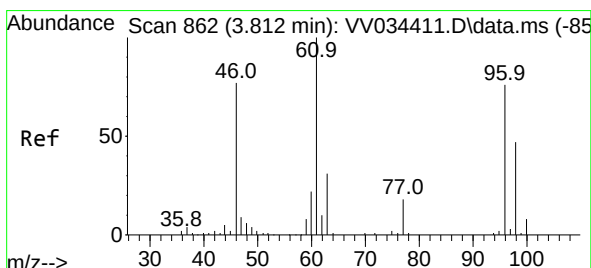
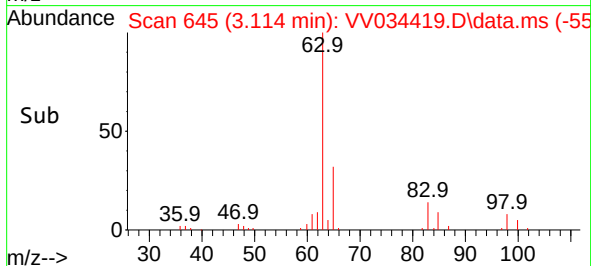
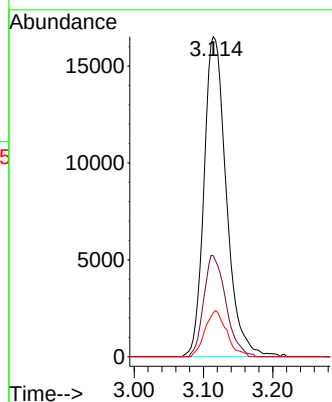
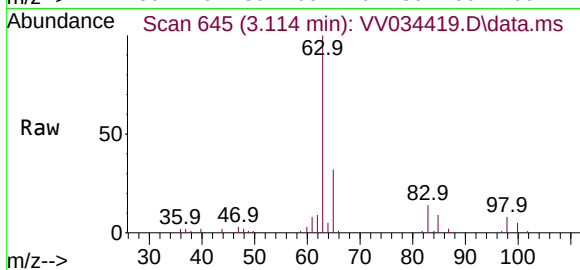
Tgt Ion: 63 Resp: 37002

Ion Ratio Lower Upper

63 100

65 31.5 22.0 41.0

83 13.7 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 8.910 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.003 min

Lab File: VV034419.D

Acq: 26 Feb 2024 19:55

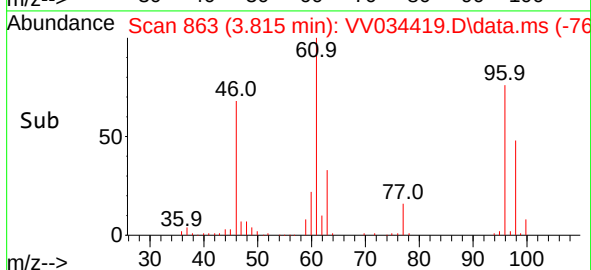
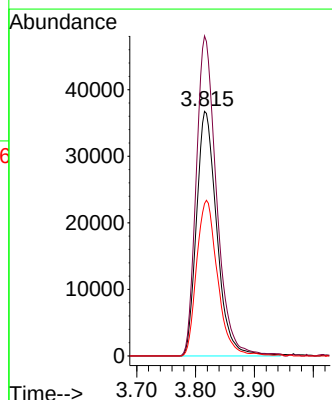
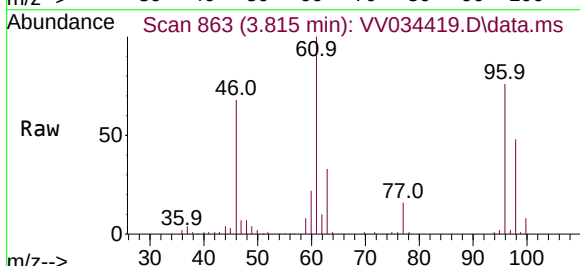
Tgt Ion: 96 Resp: 88326

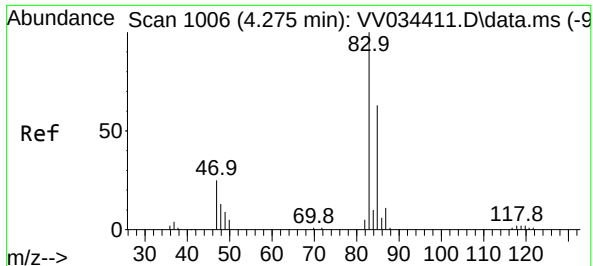
Ion Ratio Lower Upper

96 100

61 130.8 89.7 166.5

98 62.3 42.0 78.0





#25

Chloroform

Concen: 0.749 ug/L

RT: 4.278 min Scan# 1006

Delta R.T. 0.003 min

Lab File: VV034419.D

Acq: 26 Feb 2024 19:55

Instrument :

MSVOA_V

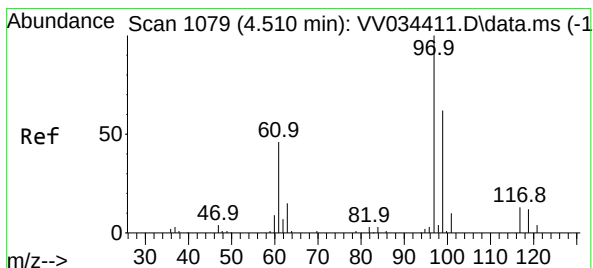
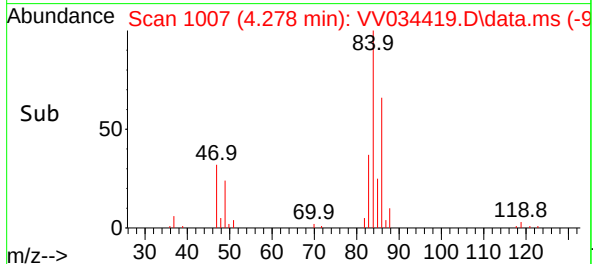
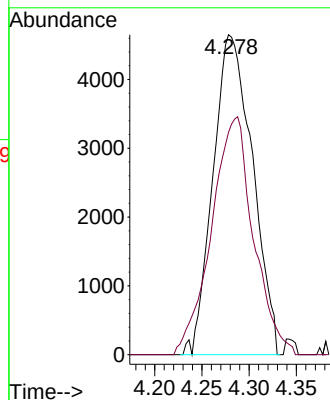
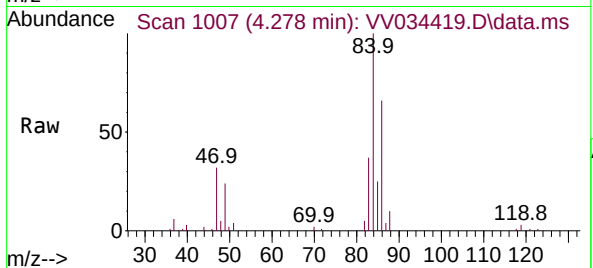
ClientSampleId :

Tgt Ion: 83 Resp: 13489

Ion Ratio Lower Upper

83 100

85 69.5 47.0 87.4



#29

1,1,1-Trichloroethane

Concen: 0.593 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.007 min

Lab File: VV034419.D

Acq: 26 Feb 2024 19:55

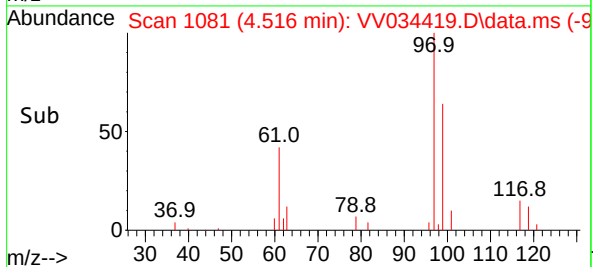
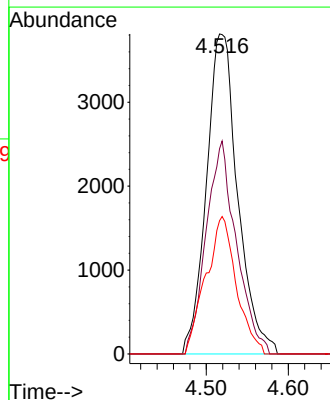
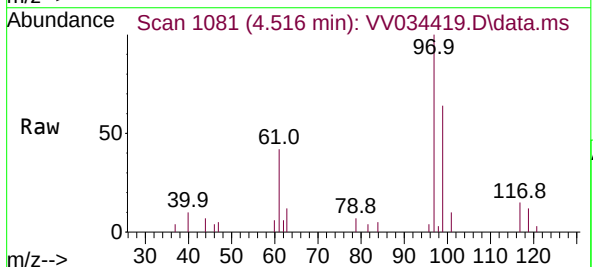
Tgt Ion: 97 Resp: 10142

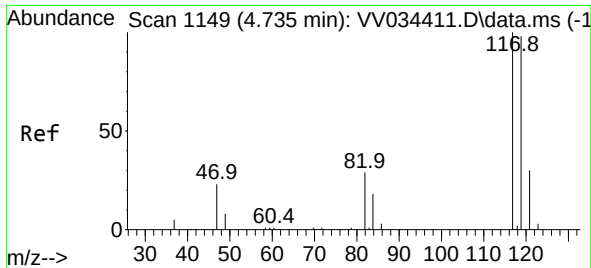
Ion Ratio Lower Upper

97 100

99 64.1 51.2 76.8

61 41.9 36.1 54.1

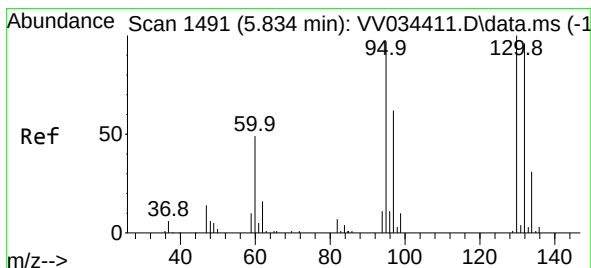
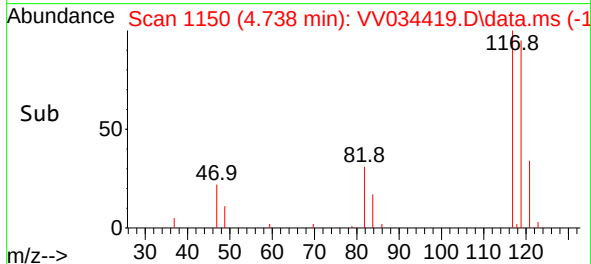
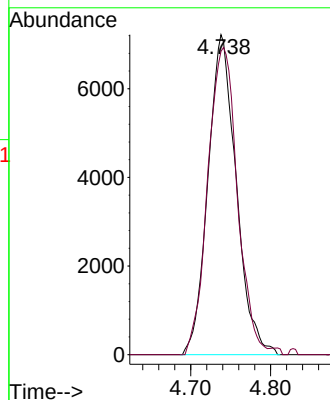
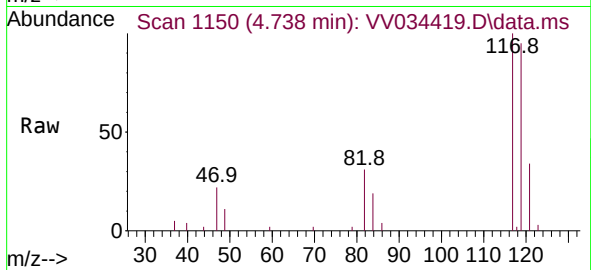




#31
Carbon tetrachloride
Concen: 1.194 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV034419.D
Acq: 26 Feb 2024 19:55

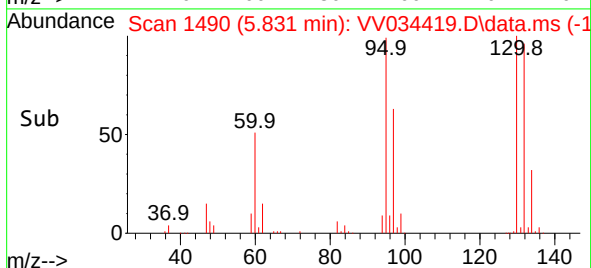
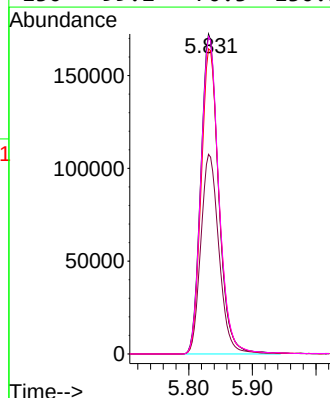
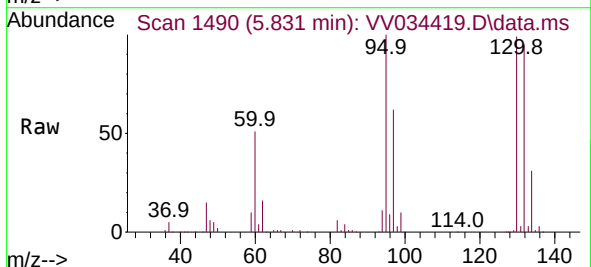
Instrument :
MSVOA_V
ClientSampleId :

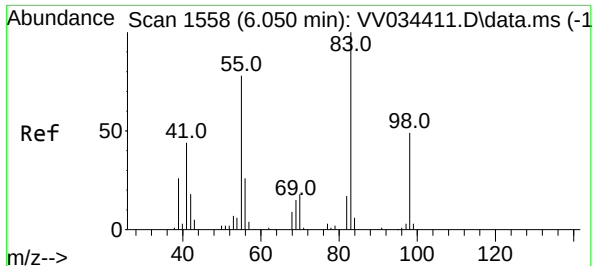
Tgt Ion:117 Resp: 17722
Ion Ratio Lower Upper
117 100
119 100.5 77.0 115.6



#34
Trichloroethene
Concen: 33.833 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. -0.003 min
Lab File: VV034419.D
Acq: 26 Feb 2024 19:55

Tgt Ion: 95 Resp: 334265
Ion Ratio Lower Upper
95 100
97 62.4 43.3 80.5
132 95.4 67.8 126.0
130 99.2 70.3 130.5





#35

Methylcyclohexane

Concen: 0.802 ug/L

RT: 5.992 min Scan# 1540

Delta R.T. -0.058 min

Lab File: VV034419.D

Acq: 26 Feb 2024 19:55

Instrument :

MSVOA_V

ClientSampleId :

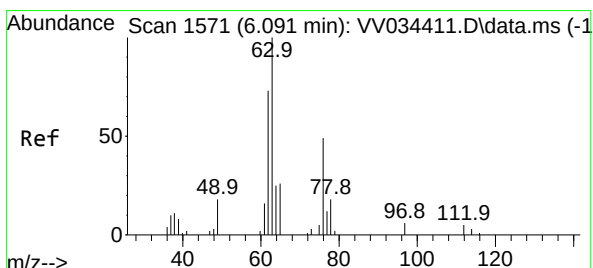
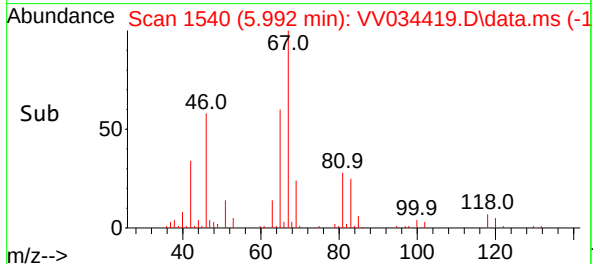
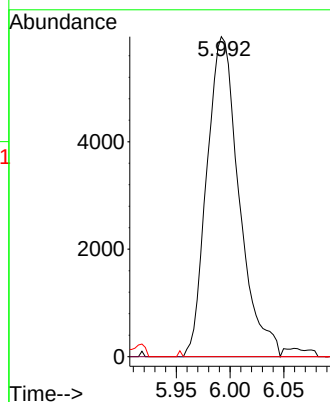
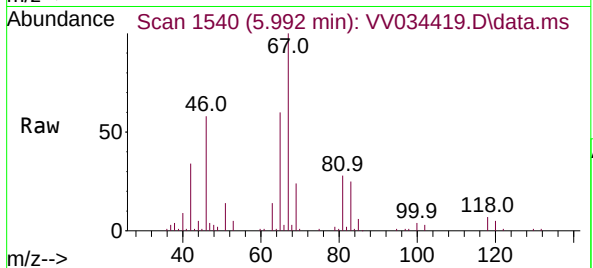
Tgt Ion: 83 Resp: 12433

Ion Ratio Lower Upper

83 100

55 0.0 61.9 92.9#

98 2.0 38.1 57.1#



#37

1,2-Dichloropropane

Concen: 0.657 ug/L

RT: 5.992 min Scan# 1540

Delta R.T. -0.100 min

Lab File: VV034419.D

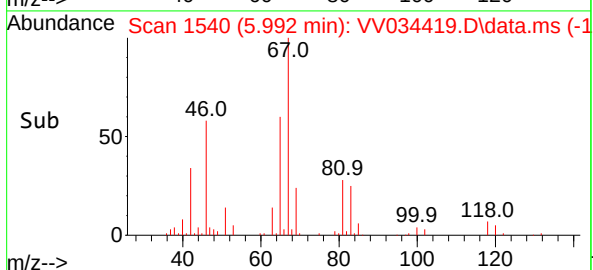
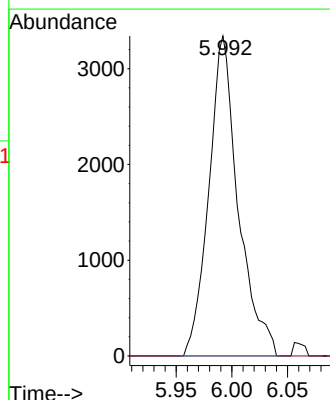
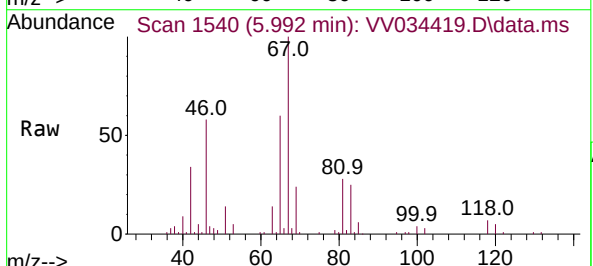
Acq: 26 Feb 2024 19:55

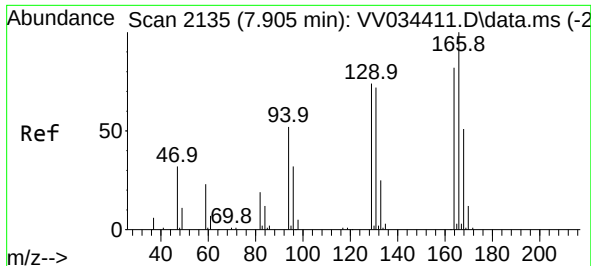
Tgt Ion: 63 Resp: 6141

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#





#47

Tetrachloroethene

Concen: 16.219 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.000 min

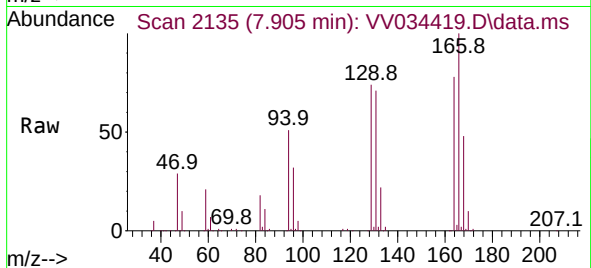
Lab File: VV034419.D

Acq: 26 Feb 2024 19:55

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 125708

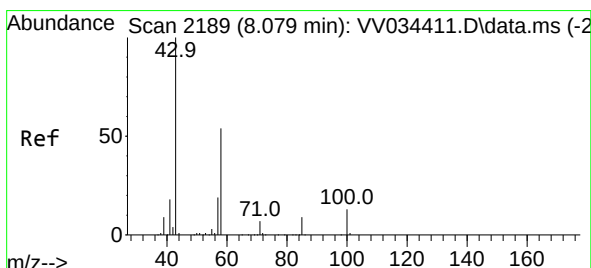
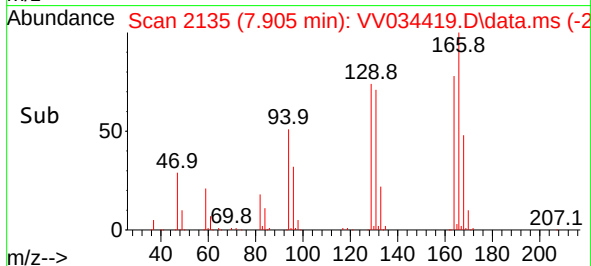
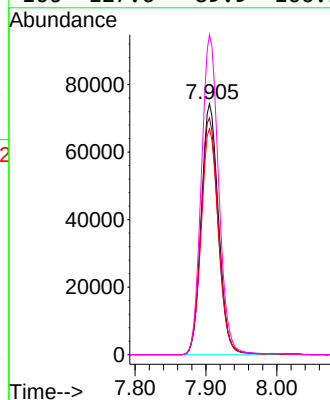
Ion Ratio Lower Upper

164 100

129 94.4 64.2 119.2

131 90.0 65.9 122.3

166 127.6 89.9 166.9



#48

2-Hexanone

Concen: 3.130 ug/L

RT: 8.024 min Scan# 2172

Delta R.T. -0.055 min

Lab File: VV034419.D

Acq: 26 Feb 2024 19:55

Tgt Ion: 43 Resp: 12898

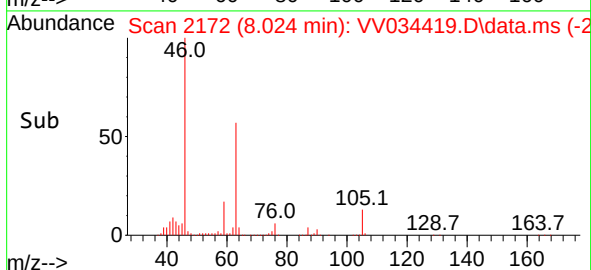
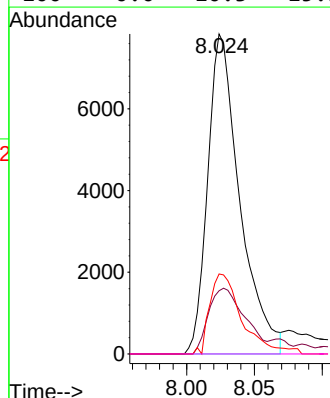
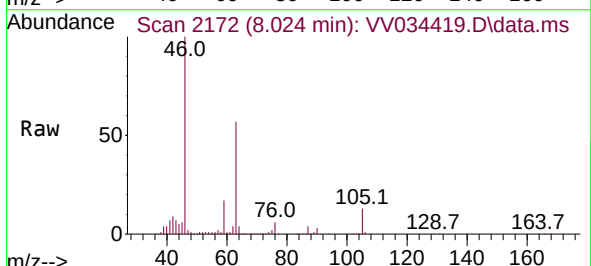
Ion Ratio Lower Upper

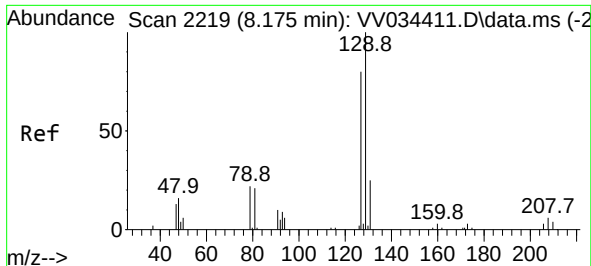
43 100

58 23.5 43.4 65.0#

57 25.2 15.5 23.3#

100 0.0 10.3 15.5#

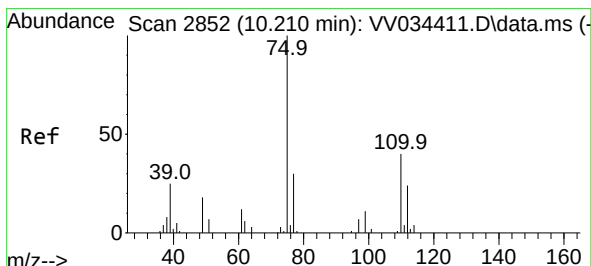
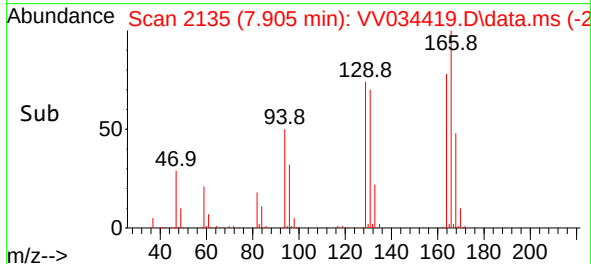
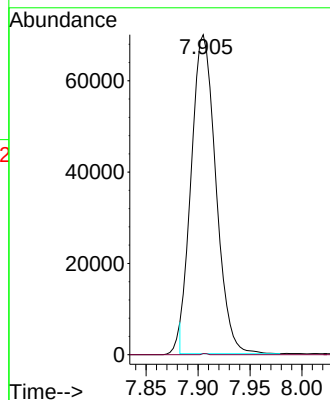
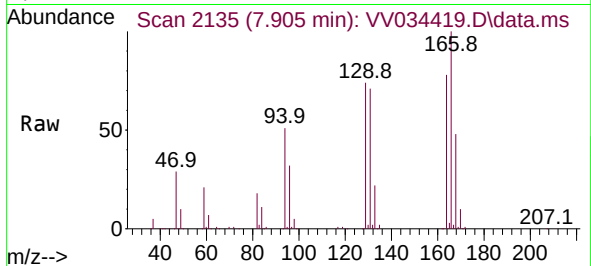




#49
Dibromochloromethane
Concen: 15.458 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.270 min
Lab File: VV034419.D
Acq: 26 Feb 2024 19:55

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:129 Resp: 114482
Ion Ratio Lower Upper
129 100
127 0.3 54.0 100.4#



#61
1,2,3-Trichloropropane
Concen: 1.569 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.978 min
Lab File: VV034419.D
Acq: 26 Feb 2024 19:55

Tgt Ion: 75 Resp: 8339
Ion Ratio Lower Upper
75 100
77 37.3 27.7 41.5
110 3.4 32.0 48.0#

