

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021224\
 Data File : VW034135.D
 Acq On : 12 Feb 2024 13:21
 Operator : SY/MD
 Sample : P1455-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 13 00:46:34 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	5.535	114	82338	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	74195	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	37908	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	24873	3.901	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.000%
7) Chloroethane-d5	1.532	69	22201	3.975	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.400%
11) 1,1-Dichloroethene-d2	2.060	65	12311	4.003	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.000%
20) 2-Butanone-d5	3.793	46	42895	40.052	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.100%
24) Chloroform-d	4.252	84	47597	4.108	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
26) 1,2-Dichloroethane-d4	4.947	65	24259	4.480	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
32) Benzene-d6	4.963	84	91069	4.091	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.800%
36) 1,2-Dichloropropane-d6	5.992	67	22895	3.679	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	73.600%
41) Toluene-d8	7.246	98	79114	3.867	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.400%
43) trans-1,3-Dichloroprop...	7.561	79	9804	4.173	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.400%
46) 2-Hexanone-d5	8.027	63	33820	40.322	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.640%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	15447	4.095	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.800%
66) 1,2-Dichlorobenzene-d4	11.561	152	30466	4.419	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.285	62	4804	0.611	ug/L	98
8) Chloroethane	1.285	64	1813	0.338	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	5450	0.920	ug/L	97
12) 1,1-Dichloroethene	2.072	96	54960	9.555	ug/L #	81
16) Methylene chloride	2.452	84	1156	0.209	ug/L	79
17) Methyl tert-butyl Ether	2.706	73	3216	0.272	ug/L	94
18) trans-1,2-Dichloroethene	2.699	96	6100	1.041	ug/L	93
19) 1,1-Dichloroethane	3.114	63	70609	6.559	ug/L	95
22) cis-1,2-Dichloroethene	3.812	96	451083	67.863	ug/L	97
25) Chloroform	4.285	83	10833	0.995	ug/L	99
33) Benzene	5.021	78	3129	0.141	ug/L	100
34) Trichloroethene	5.844	95	8226397	1277.305	ug/L	95
35) Methylcyclohexane	5.992	83	6822	0.675	ug/L #	18
37) 1,2-Dichloropropane	5.995	63	3021	0.560	ug/L #	87
45) 1,1,2-Trichloroethane	7.776	97	1037	0.312	ug/L	88
47) Tetrachloroethene	7.905	164	126488	24.171	ug/L	95
49) Dibromochloromethane	7.905	129	112031	28.323	ug/L #	11
61) 1,2,3-Trichloropropane	11.188	75	6811	2.613	ug/L #	59
65) 1,4-Dichlorobenzene	11.214	146	7248	0.598	ug/L	98

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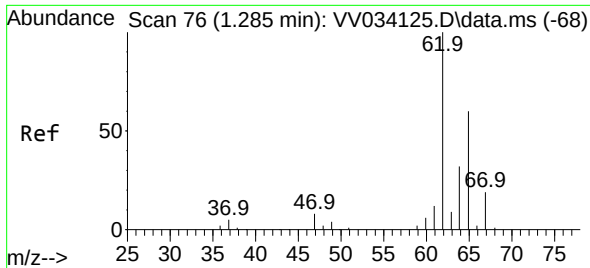
Quant Time: Feb 13 00:46:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Feb 13 00:43:48 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quant Time: Feb 13 00:46:34 2024
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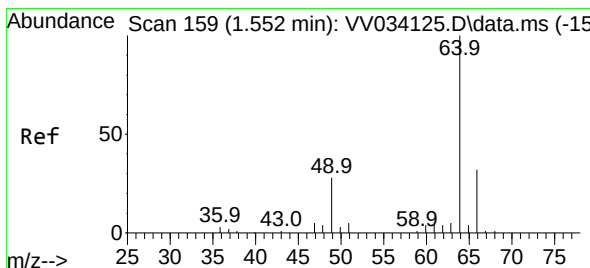
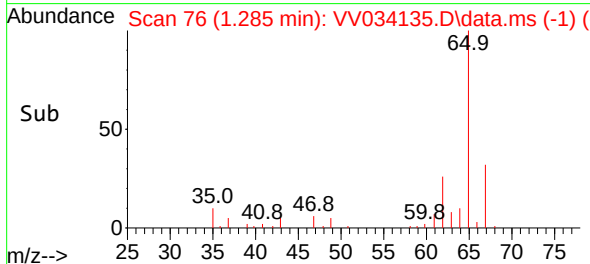
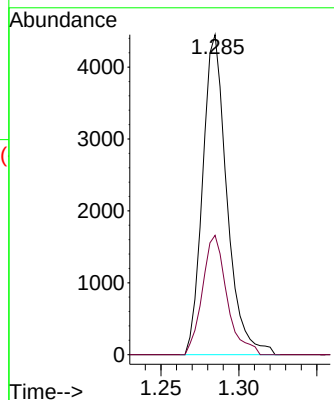
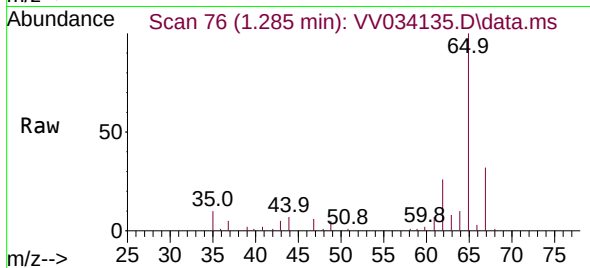




#5
 Vinyl chloride
 Concen: 0.611 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV034135.D
 Acq: 12 Feb 2024 13:21

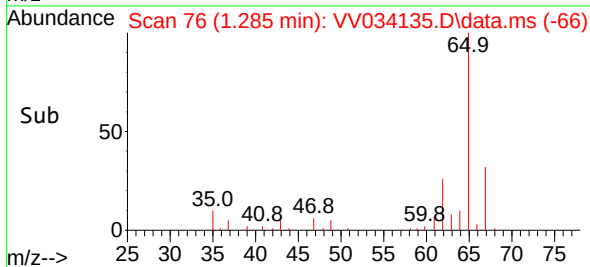
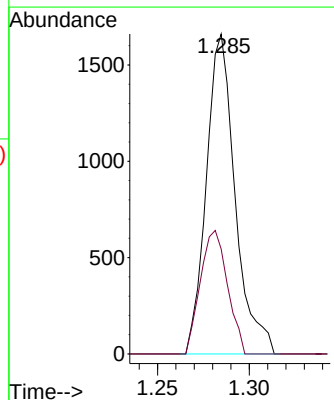
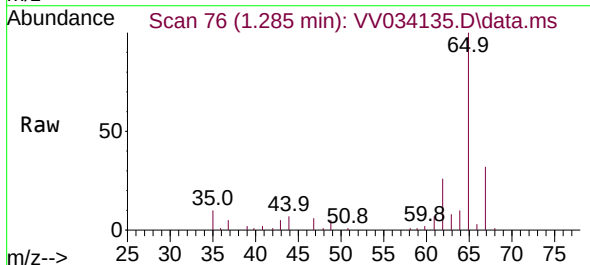
Instrument :
 MSVOA_V
 ClientSampleId :

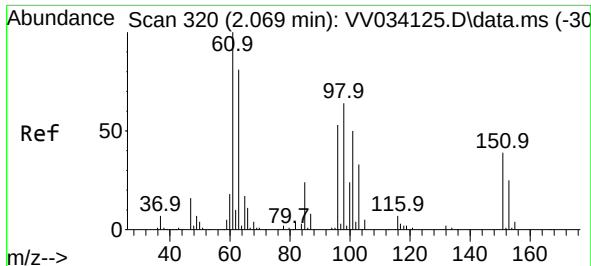
Tgt Ion: 62 Resp: 4804
 Ion Ratio Lower Upper
 62 100
 64 37.3 27.2 50.4



#8
 Chloroethane
 Concen: 0.338 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.267 min
 Lab File: VV034135.D
 Acq: 12 Feb 2024 13:21

Tgt Ion: 64 Resp: 1813
 Ion Ratio Lower Upper
 64 100
 66 32.8 22.0 41.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.920 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV034135.D

Acq: 12 Feb 2024 13:21

Instrument :

MSVOA_V

ClientSampleId :

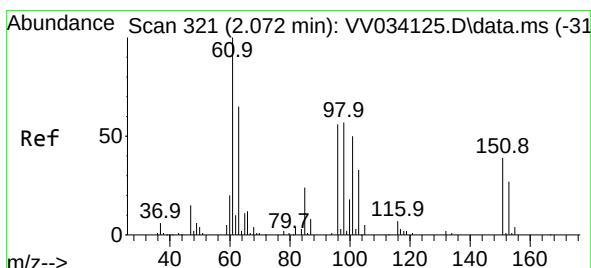
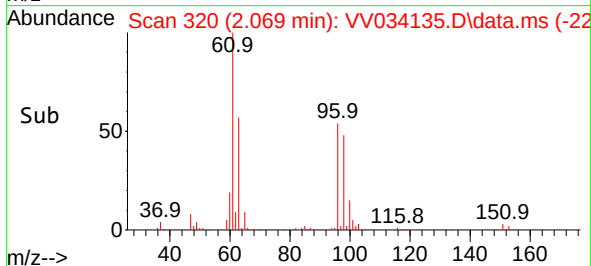
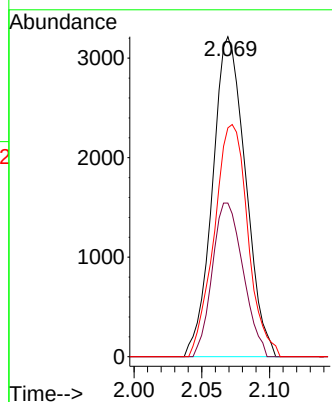
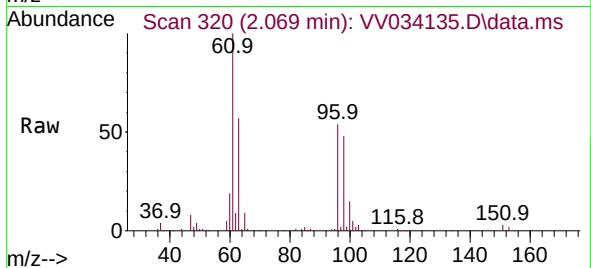
Tgt Ion:101 Resp: 5450

Ion Ratio Lower Upper

101 100

85 44.8 37.1 55.7

151 74.1 61.7 92.5



#12

1,1-Dichloroethene

Concen: 9.555 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV034135.D

Acq: 12 Feb 2024 13:21

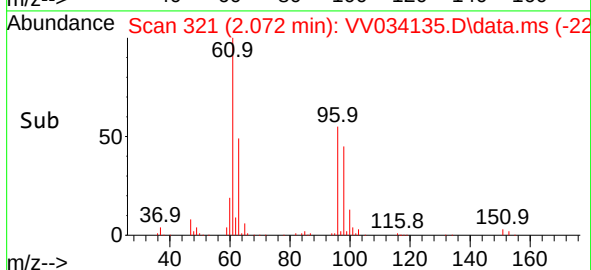
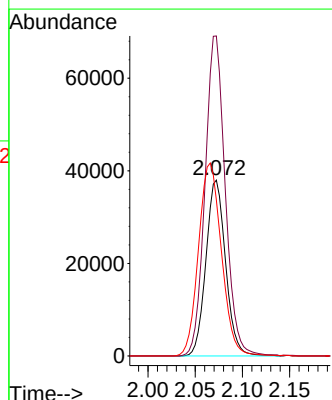
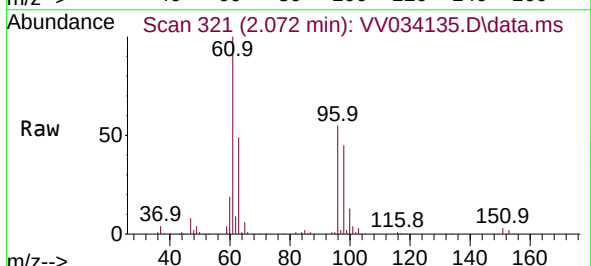
Tgt Ion: 96 Resp: 54960

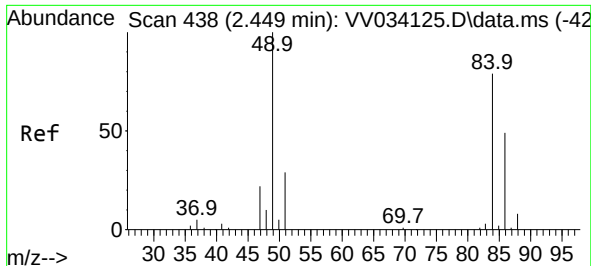
Ion Ratio Lower Upper

96 100

61 181.9 128.8 239.2

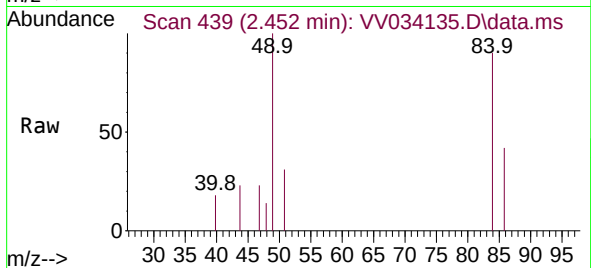
63 88.7 97.9 181.9#





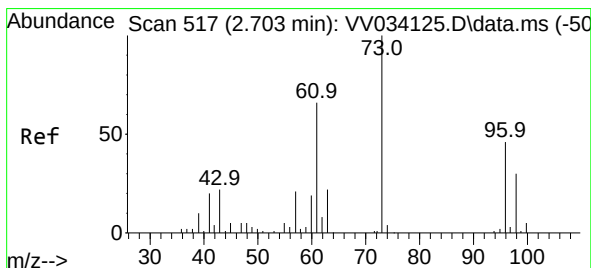
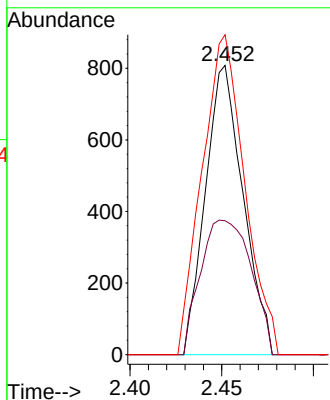
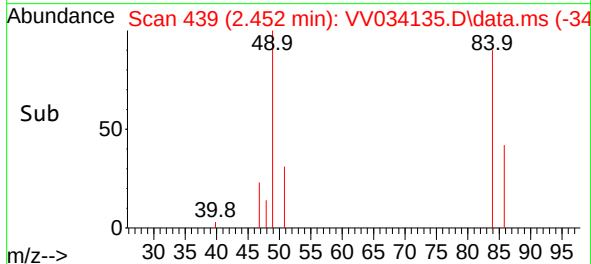
#16
Methylene chloride
Concen: 0.209 ug/L
RT: 2.452 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV034135.D
Acq: 12 Feb 2024 13:21

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 84 Resp: 1156

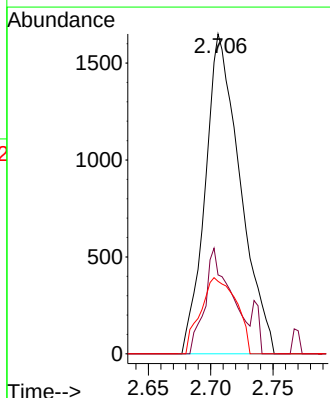
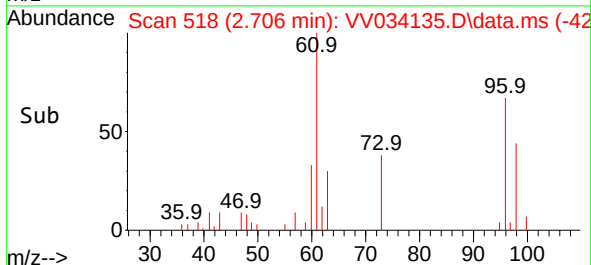
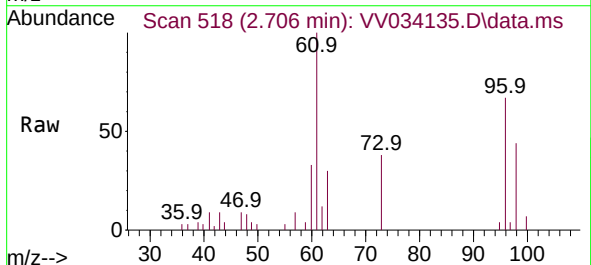
Ion	Ratio	Lower	Upper
84	100		
86	46.3	44.7	83.1
49	110.6	93.7	173.9

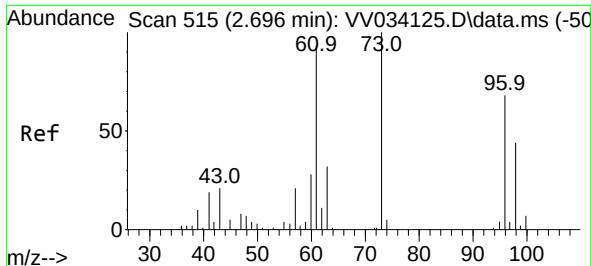


#17
Methyl tert-butyl Ether
Concen: 0.272 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV034135.D
Acq: 12 Feb 2024 13:21

Tgt Ion: 73 Resp: 3216

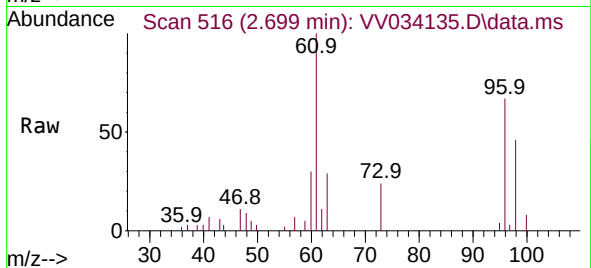
Ion	Ratio	Lower	Upper
73	100		
43	25.6	17.7	26.5
57	24.3	17.9	26.9



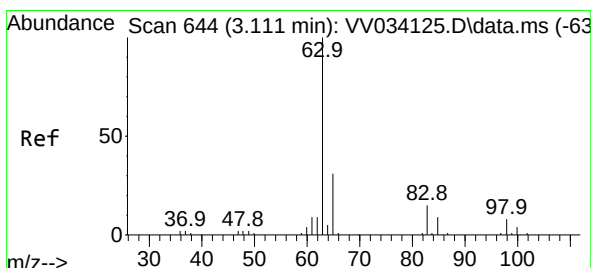
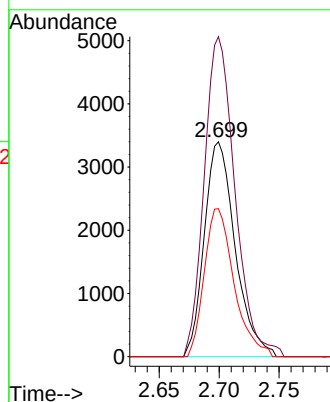
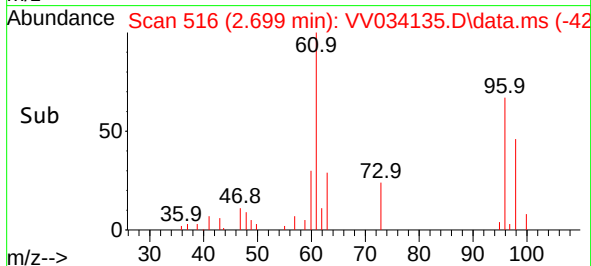


#18
trans-1,2-Dichloroethene
Concen: 1.041 ug/L
RT: 2.699 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV034135.D
Acq: 12 Feb 2024 13:21

Instrument :
MSVOA_V
ClientSampleId :

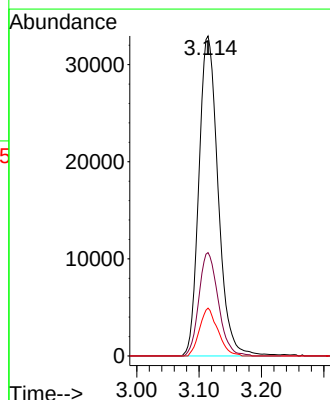
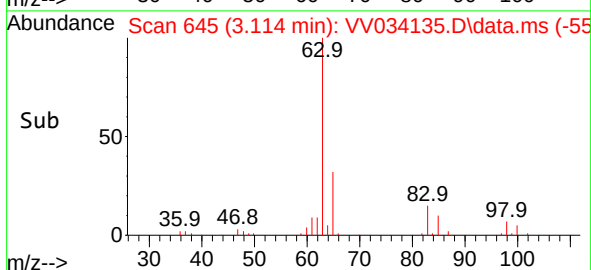
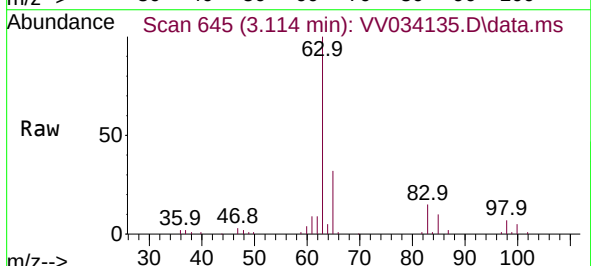


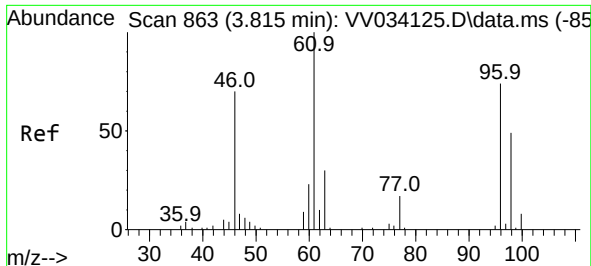
Tgt Ion: 96 Resp: 6100
Ion Ratio Lower Upper
96 100
61 148.9 97.6 181.4
98 68.9 44.4 82.5



#19
1,1-Dichloroethane
Concen: 6.559 ug/L
RT: 3.114 min Scan# 645
Delta R.T. 0.003 min
Lab File: VV034135.D
Acq: 12 Feb 2024 13:21

Tgt Ion: 63 Resp: 70609
Ion Ratio Lower Upper
63 100
65 32.3 20.8 38.6
83 14.9 9.4 17.4





#22

cis-1,2-Dichloroethene

Concen: 67.863 ug/L

RT: 3.812 min Scan# 80

Delta R.T. -0.003 min

Lab File: VV034135.D

Acq: 12 Feb 2024 13:21

Instrument :

MSVOA_V

ClientSampleId :

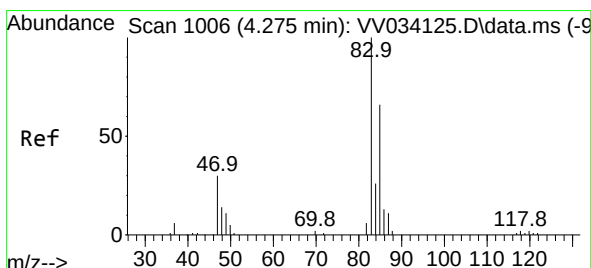
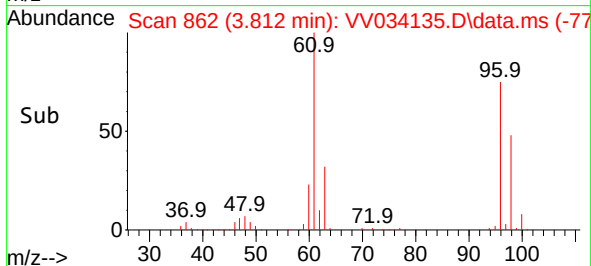
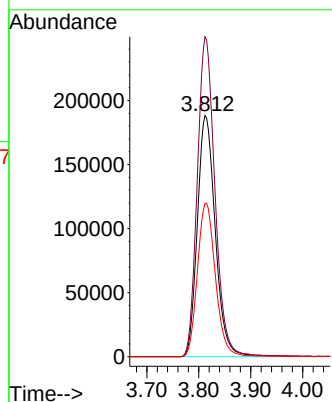
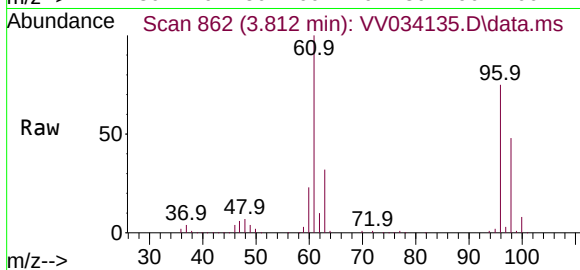
Tgt Ion: 96 Resp: 451083

Ion Ratio Lower Upper

96 100

61 132.7 90.3 167.7

98 63.4 43.2 80.2



#25

Chloroform

Concen: 0.995 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. 0.010 min

Lab File: VV034135.D

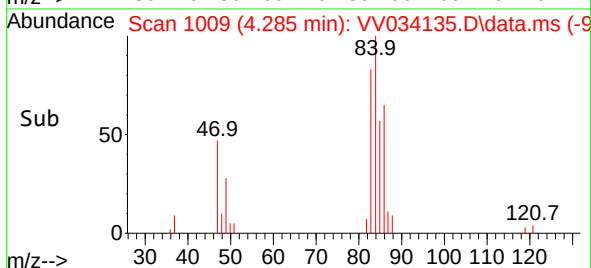
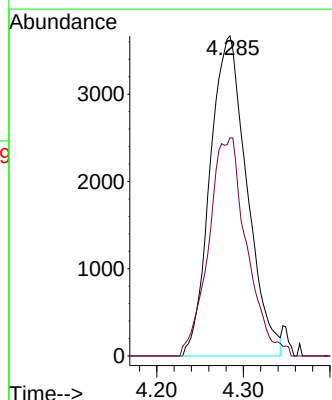
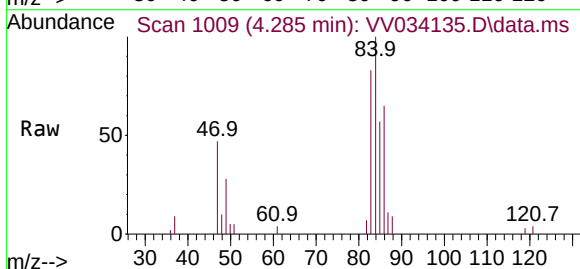
Acq: 12 Feb 2024 13:21

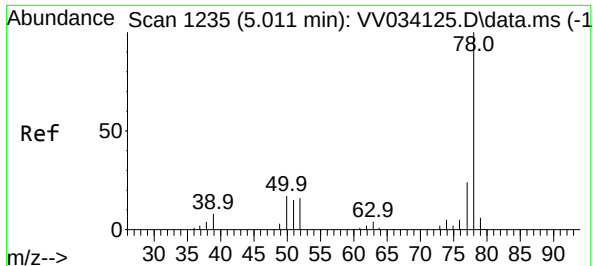
Tgt Ion: 83 Resp: 10833

Ion Ratio Lower Upper

83 100

85 68.2 47.5 88.1

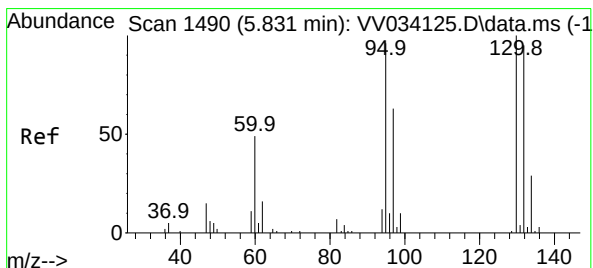
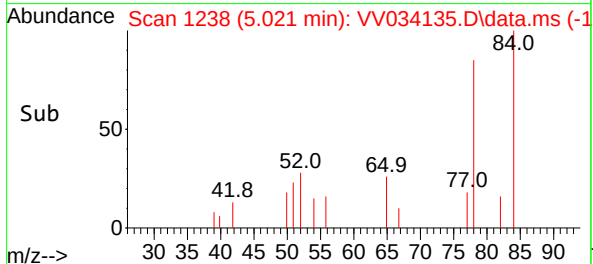
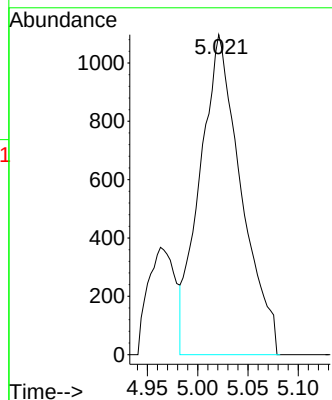
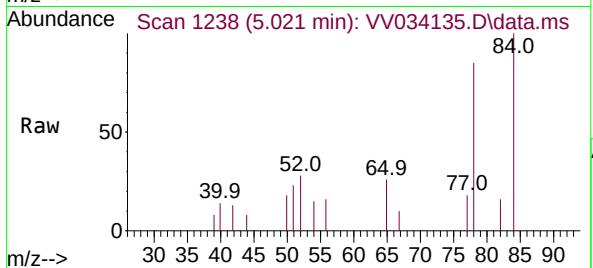




#33
Benzene
Concen: 0.141 ug/L
RT: 5.021 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV034135.D
Acq: 12 Feb 2024 13:21

Instrument :
MSVOA_V
ClientSampleId :

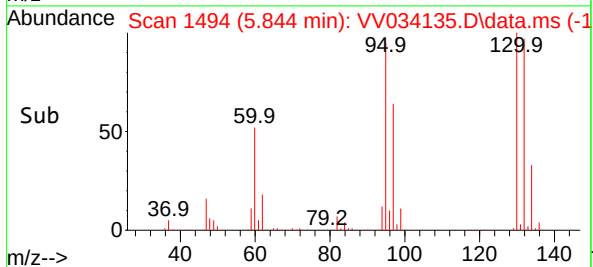
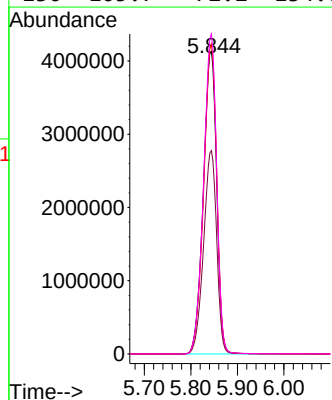
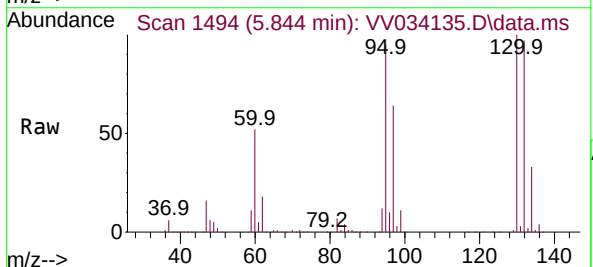
Tgt Ion: 78 Resp: 3129

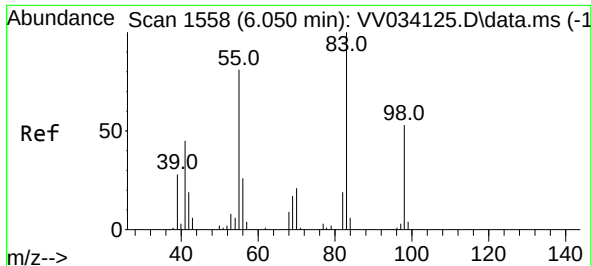


#34
Trichloroethene
Concen: 1277.305 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. 0.013 min
Lab File: VV034135.D
Acq: 12 Feb 2024 13:21

Tgt Ion: 95 Resp: 8226397

Ion	Ratio	Lower	Upper
95	100		
97	67.2	45.1	83.7
132	102.4	66.0	122.6
130	105.7	72.2	134.0

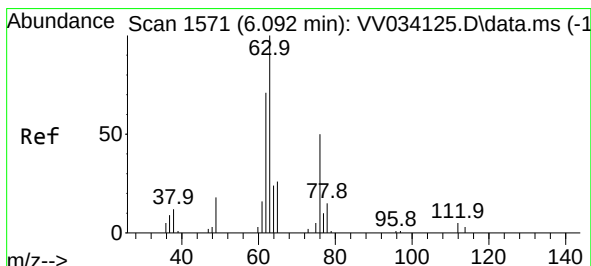
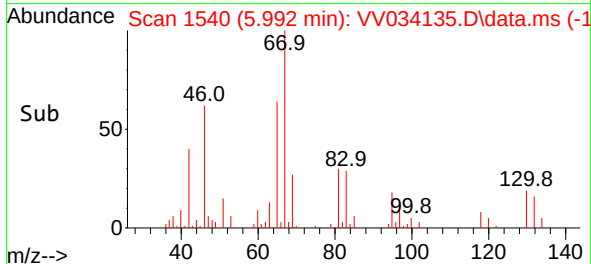
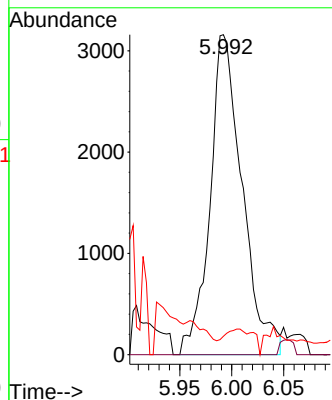
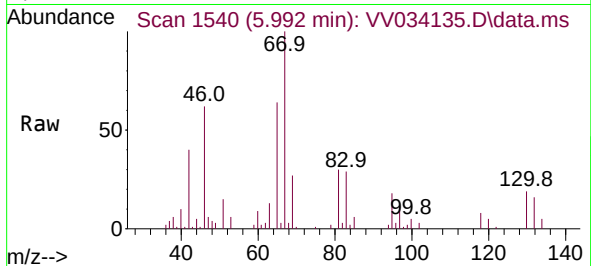




#35
Methylcyclohexane
Concen: 0.675 ug/L
RT: 5.992 min Scan# 1558
Delta R.T. -0.058 min
Lab File: VV034135.D
Acq: 12 Feb 2024 13:21

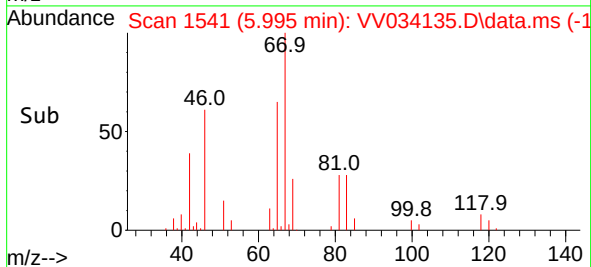
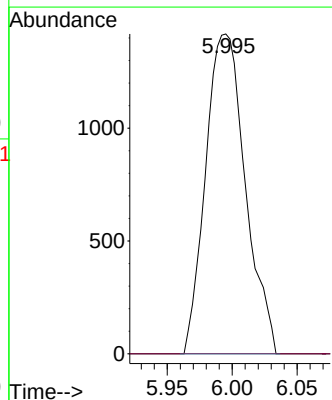
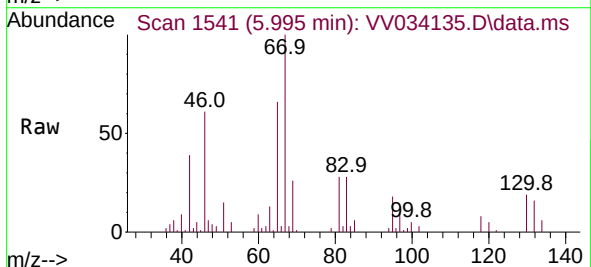
Instrument :
MSVOA_V
ClientSampleId :

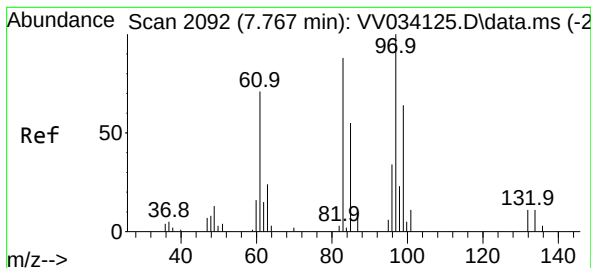
Tgt Ion: 83 Resp: 6822
Ion Ratio Lower Upper
83 100
55 1.9 63.5 95.3#
98 0.0 39.0 58.4#



#37
1,2-Dichloropropane
Concen: 0.560 ug/L
RT: 5.995 min Scan# 1541
Delta R.T. -0.096 min
Lab File: VV034135.D
Acq: 12 Feb 2024 13:21

Tgt Ion: 63 Resp: 3021
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#





#45

1,1,2-Trichloroethane

Concen: 0.312 ug/L

RT: 7.776 min Scan# 2092

Delta R.T. 0.010 min

Lab File: VV034135.D

Acq: 12 Feb 2024 13:21

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 1037

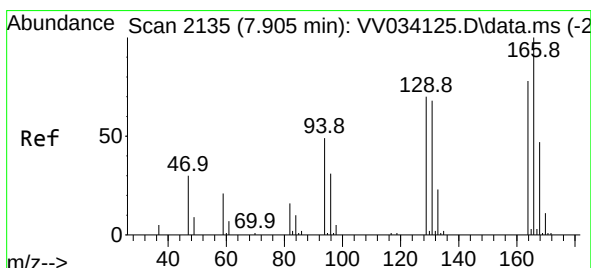
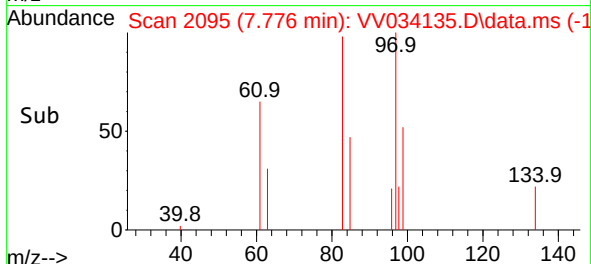
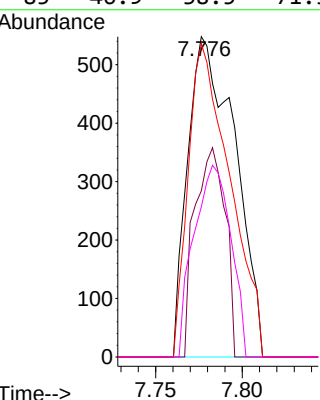
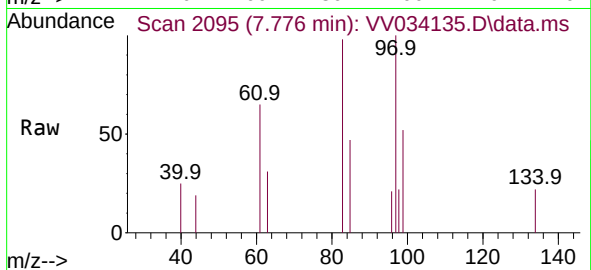
Ion Ratio Lower Upper

97 100

99 51.8 45.6 84.6

83 97.8 62.3 115.7

85 46.9 38.5 71.5



#47

Tetrachloroethene

Concen: 24.171 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VV034135.D

Acq: 12 Feb 2024 13:21

Tgt Ion:164 Resp: 126488

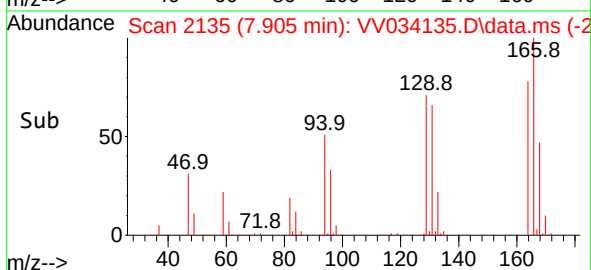
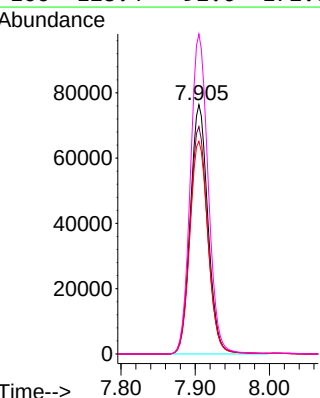
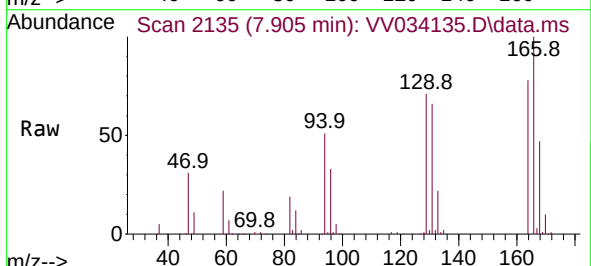
Ion Ratio Lower Upper

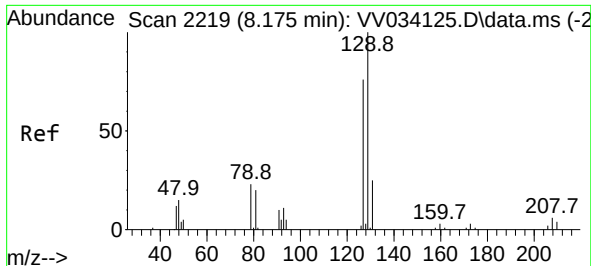
164 100

129 91.2 67.8 125.8

131 85.3 63.0 117.0

166 128.4 92.6 172.0





#49

Dibromochloromethane

Concen: 28.323 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.270 min

Lab File: VV034135.D

Acq: 12 Feb 2024 13:21

Instrument :

MSVOA_V

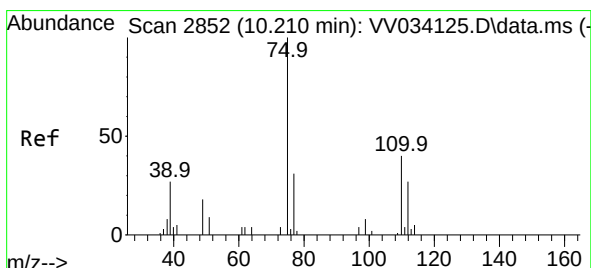
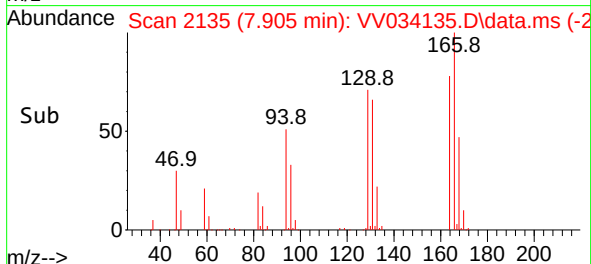
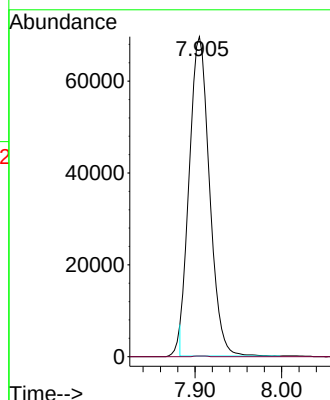
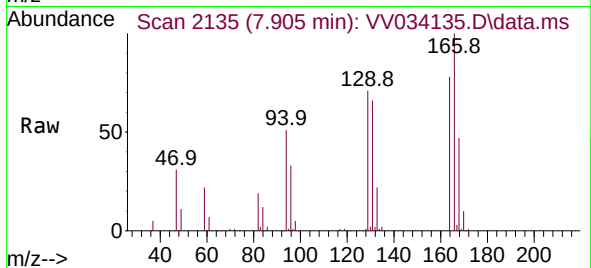
ClientSampleId :

Tgt Ion:129 Resp: 112031

Ion Ratio Lower Upper

129 100

127 0.2 53.5 99.5#



#61

1,2,3-Trichloropropane

Concen: 2.613 ug/L

RT: 11.188 min Scan# 3156

Delta R.T. 0.977 min

Lab File: VV034135.D

Acq: 12 Feb 2024 13:21

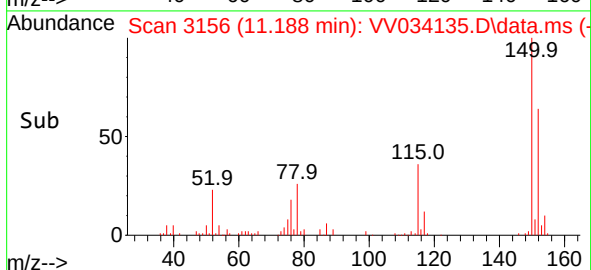
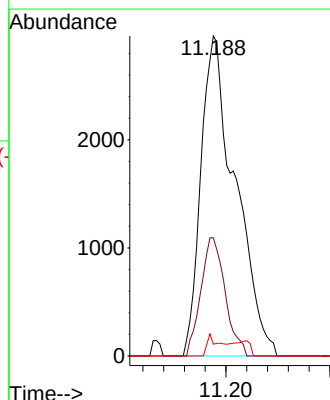
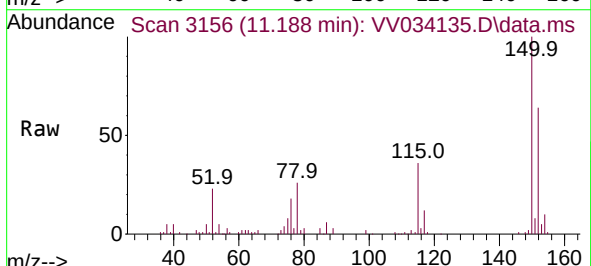
Tgt Ion: 75 Resp: 6811

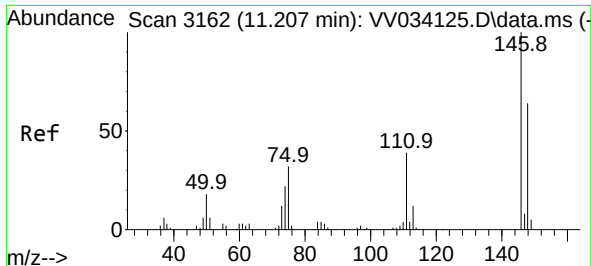
Ion Ratio Lower Upper

75 100

77 26.0 26.9 40.3#

110 1.5 33.3 49.9#





#65

1,4-Dichlorobenzene

Concen: 0.598 ug/L

RT: 11.214 min Scan# 31

Delta R.T. 0.006 min

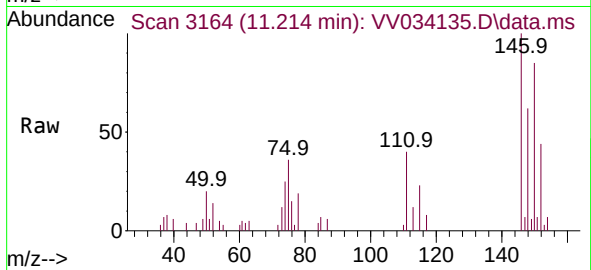
Lab File: VV034135.D

Acq: 12 Feb 2024 13:21

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:146 Resp: 7248

Ion Ratio Lower Upper

146 100

111 40.1 27.6 51.4

148 62.2 44.8 83.2

