

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021224\
 Data File : VW034134.D
 Acq On : 12 Feb 2024 12:57
 Operator : SY/MD
 Sample : P1455-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 13 00:46:18 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	79509	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	71790	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	37374	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	24740	4.018	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.400%
7) Chloroethane-d5	1.532	69	21457	3.978	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.600%
11) 1,1-Dichloroethene-d2	2.060	65	12539	4.222	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.400%
20) 2-Butanone-d5	3.793	46	42179	40.785	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.560%
24) Chloroform-d	4.252	84	47382	4.235	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
26) 1,2-Dichloroethane-d4	4.947	65	24199	4.628	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	4.963	84	89631	4.161	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
36) 1,2-Dichloropropane-d6	5.992	67	24408	4.054	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.000%
41) Toluene-d8	7.246	98	82078	4.146	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.000%
43) trans-1,3-Dichloroprop...	7.561	79	9849	4.332	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.600%
46) 2-Hexanone-d5	8.027	63	37063	45.668	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.340%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	16331	4.474	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.400%
66) 1,2-Dichlorobenzene-d4	11.561	152	30563	4.496	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.285	62	2547	0.335	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	8267	1.445	ug/L	97
12) 1,1-Dichloroethene	2.072	96	35479	6.388	ug/L	87
15) Methyl Acetate	2.121	43	1367	0.736	ug/L #	53
16) Methylene chloride	2.452	84	1425	0.267	ug/L	87
17) Methyl tert-butyl Ether	2.709	73	1407	0.123	ug/L #	86
18) trans-1,2-Dichloroethene	2.703	96	795	0.141	ug/L #	87
19) 1,1-Dichloroethane	3.121	63	11749	1.130	ug/L	94
22) cis-1,2-Dichloroethene	3.815	96	203493	31.704	ug/L	98
25) Chloroform	4.281	83	12271	1.168	ug/L	98
29) 1,1,1-Trichloroethane	4.522	97	5725	0.594	ug/L	95
31) Carbon tetrachloride	4.741	117	2153	0.255	ug/L	91
34) Trichloroethene	5.831	95	1687395	270.777	ug/L	98
35) Methylcyclohexane	5.992	83	7065	0.722	ug/L #	17
37) 1,2-Dichloropropane	5.989	63	3277	0.628	ug/L #	87
47) Tetrachloroethene	7.905	164	123932	24.476	ug/L	97
49) Dibromochloromethane	7.905	129	112571	29.413	ug/L #	11
61) 1,2,3-Trichloropropane	11.185	75	4434	1.726	ug/L #	61

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Feb 13 00:43:48 2024
Response via : Initial Calibration

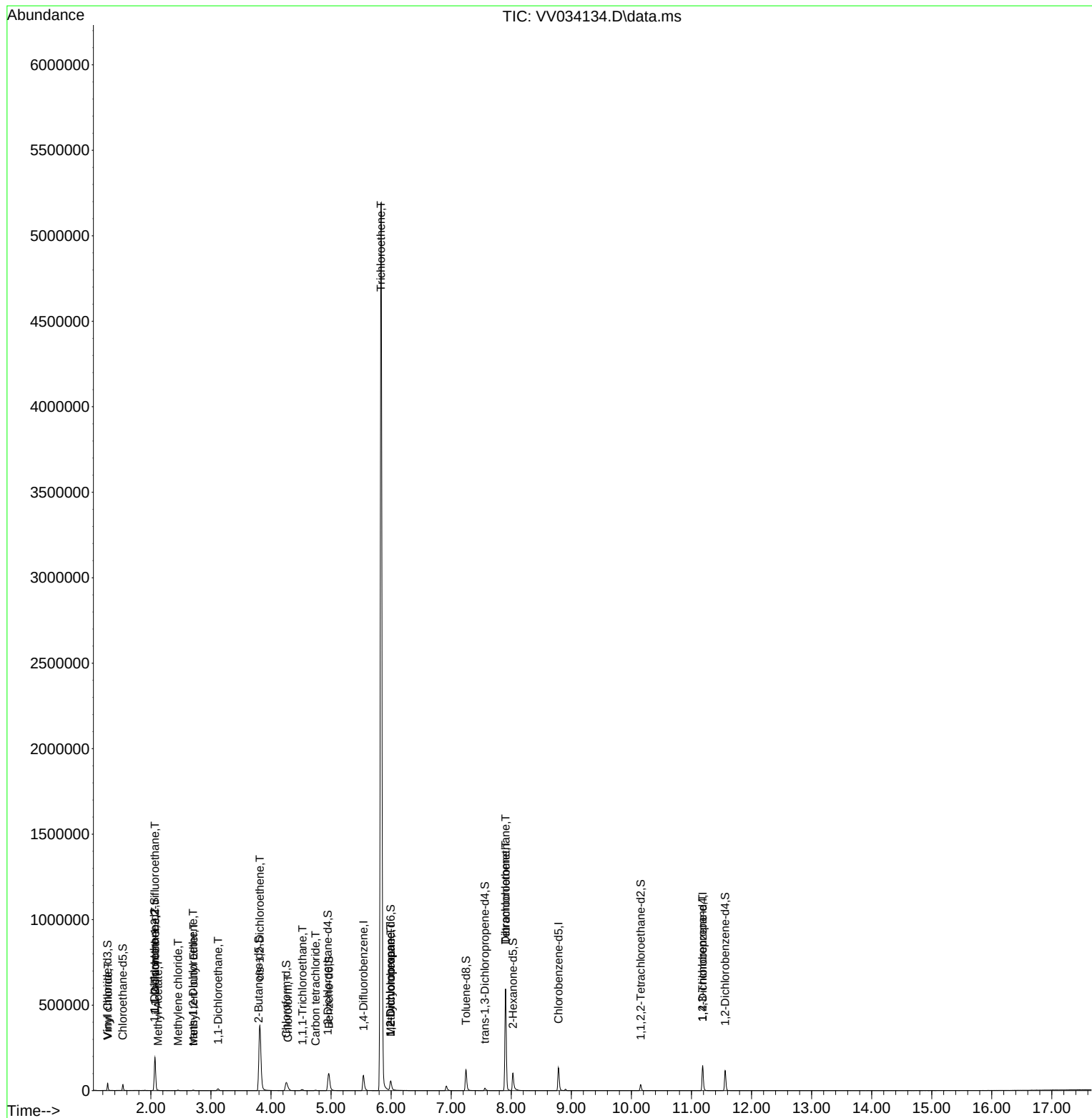
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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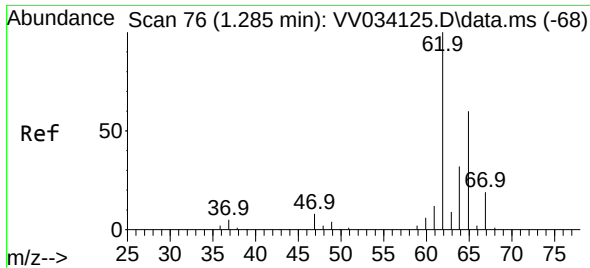
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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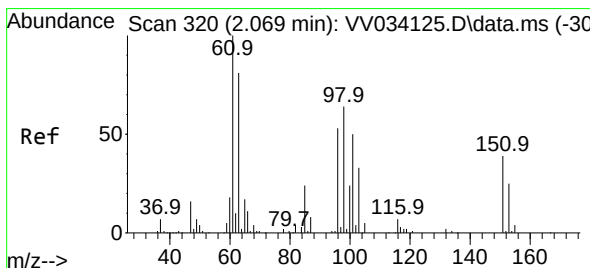
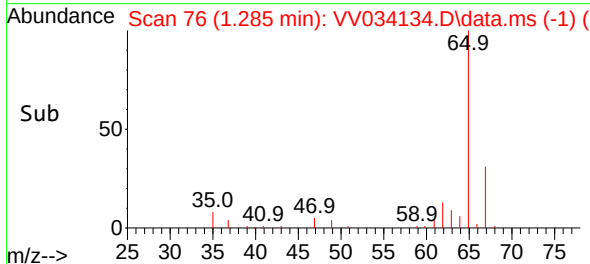
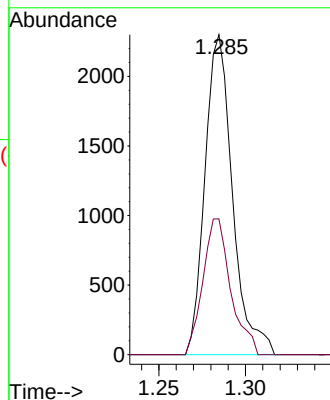
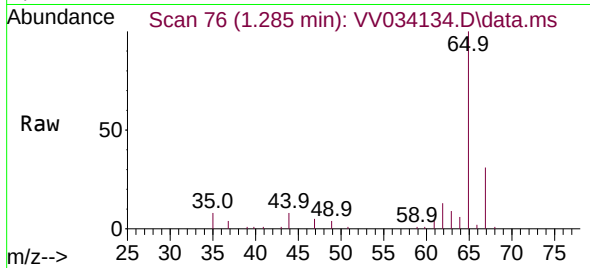




#5
 Vinyl chloride
 Concen: 0.335 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV034134.D
 Acq: 12 Feb 2024 12:57

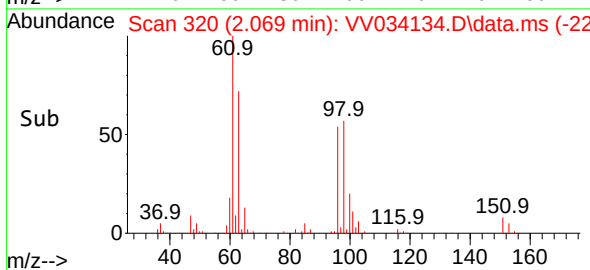
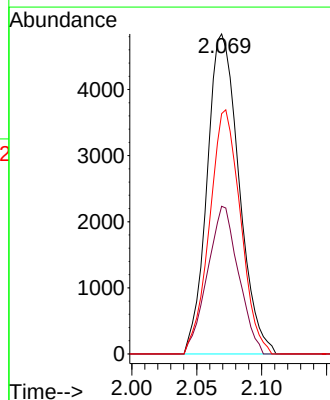
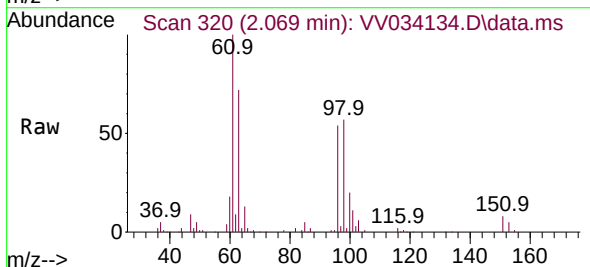
Instrument :
 MSVOA_V
 ClientSampleId :

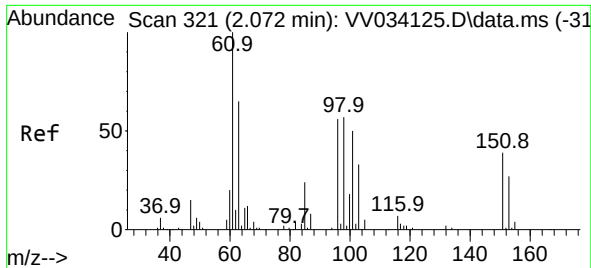
Tgt Ion: 62 Resp: 2547
 Ion Ratio Lower Upper
 62 100
 64 42.4 27.2 50.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.445 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV034134.D
 Acq: 12 Feb 2024 12:57

Tgt Ion: 101 Resp: 8267
 Ion Ratio Lower Upper
 101 100
 85 44.9 37.1 55.7
 151 74.1 61.7 92.5





#12

1,1-Dichloroethene

Concen: 6.388 ug/L

RT: 2.072 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV034134.D

Acq: 12 Feb 2024 12:57

Instrument :

MSVOA_V

ClientSampleId :

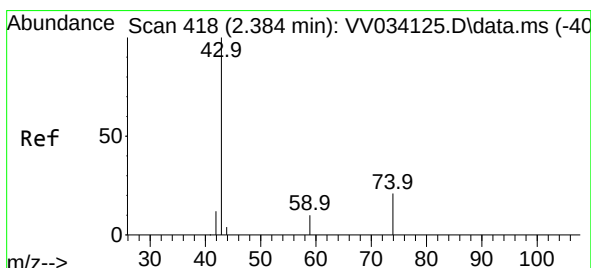
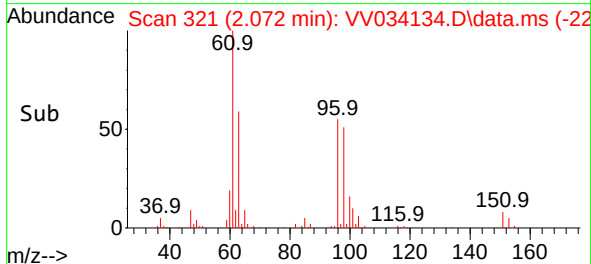
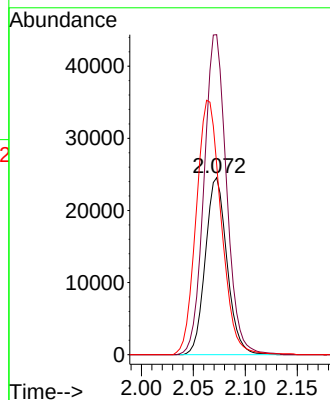
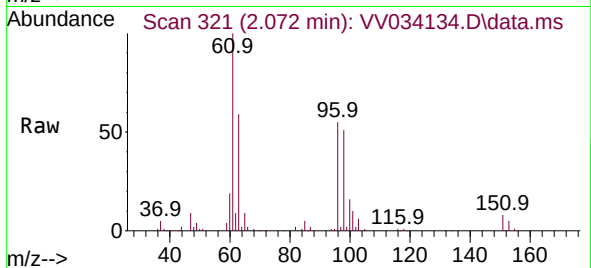
Tgt Ion: 96 Resp: 35479

Ion Ratio Lower Upper

96 100

61 180.9 128.8 239.2

63 107.5 97.9 181.9



#15

Methyl Acetate

Concen: 0.736 ug/L

RT: 2.121 min Scan# 336

Delta R.T. -0.264 min

Lab File: VV034134.D

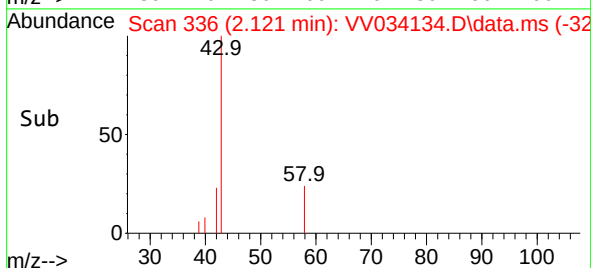
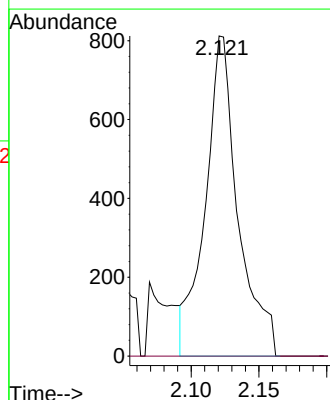
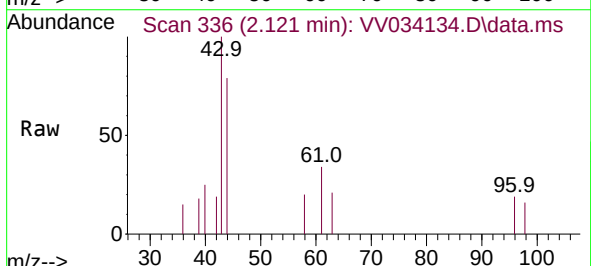
Acq: 12 Feb 2024 12:57

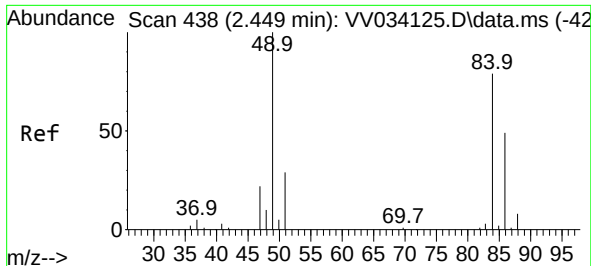
Tgt Ion: 43 Resp: 1367

Ion Ratio Lower Upper

43 100

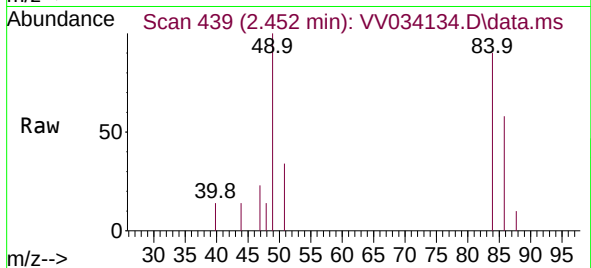
74 0.0 18.2 27.4#





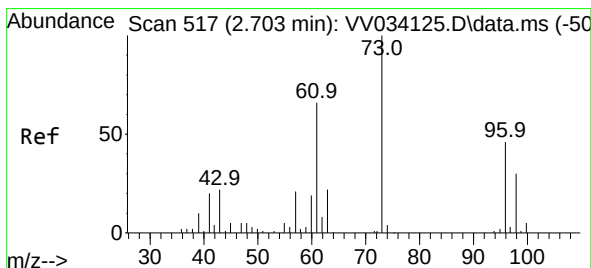
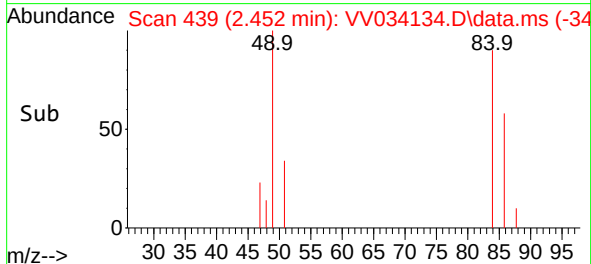
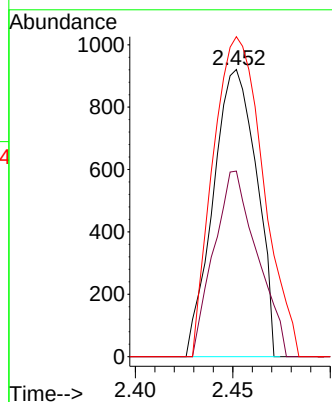
#16
Methylene chloride
Concen: 0.267 ug/L
RT: 2.452 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV034134.D
Acq: 12 Feb 2024 12:57

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 84 Resp: 1425

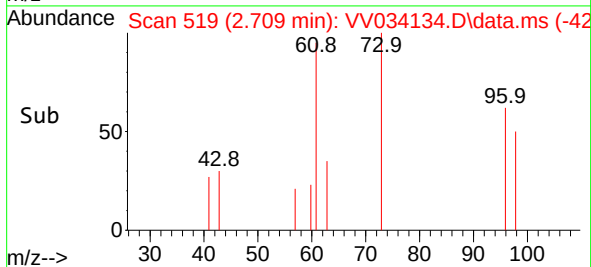
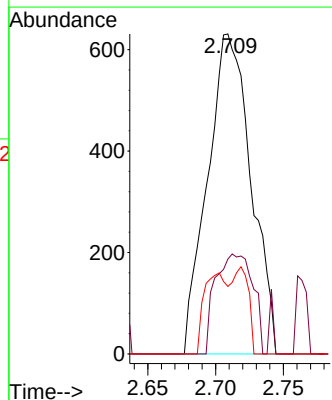
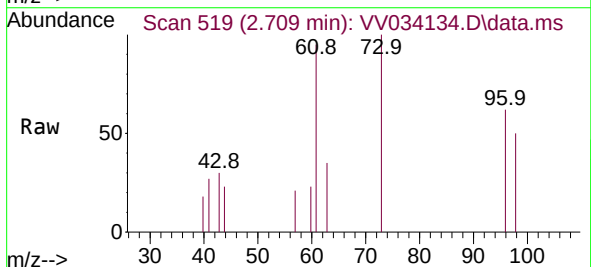
Ion	Ratio	Lower	Upper
84	100		
86	64.6	44.7	83.1
49	111.4	93.7	173.9

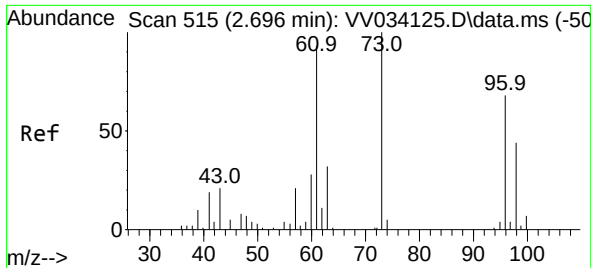


#17
Methyl tert-butyl Ether
Concen: 0.123 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.006 min
Lab File: VV034134.D
Acq: 12 Feb 2024 12:57

Tgt Ion: 73 Resp: 1407

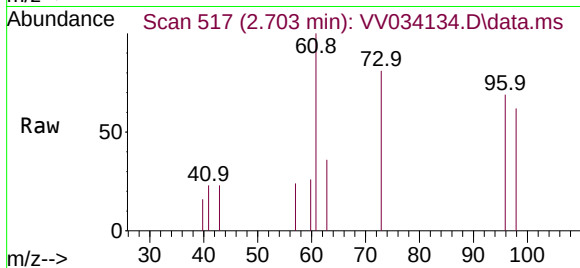
Ion	Ratio	Lower	Upper
73	100		
43	26.7	17.7	26.5#
57	13.4	17.9	26.9#





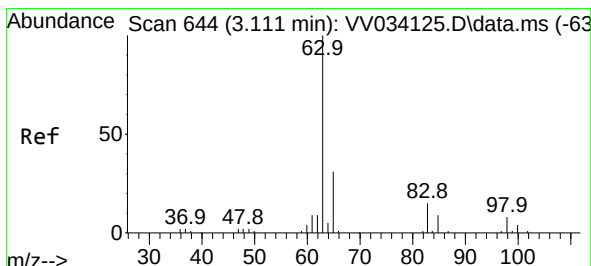
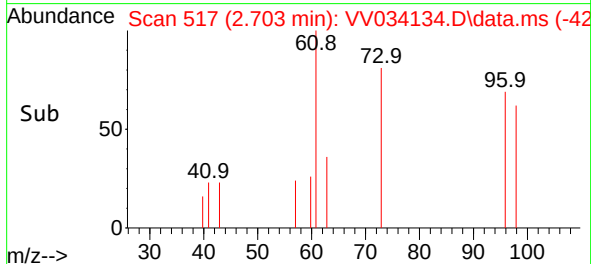
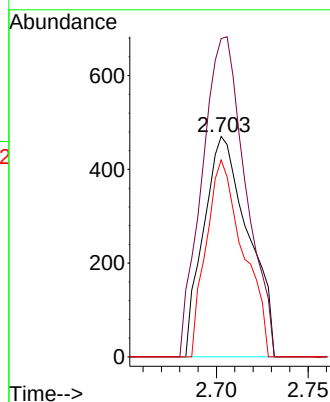
#18
 trans-1,2-Dichloroethene
 Concen: 0.141 ug/L
 RT: 2.703 min Scan# 517
 Delta R.T. 0.006 min
 Lab File: VV034134.D
 Acq: 12 Feb 2024 12:57

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 795

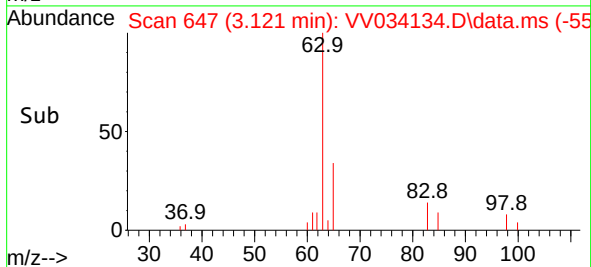
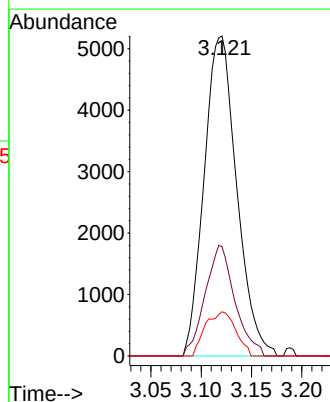
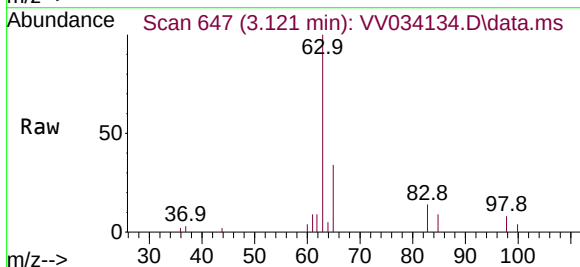
Ion	Ratio	Lower	Upper
96	100		
61	144.5	97.6	181.4
98	89.4	44.4	82.5

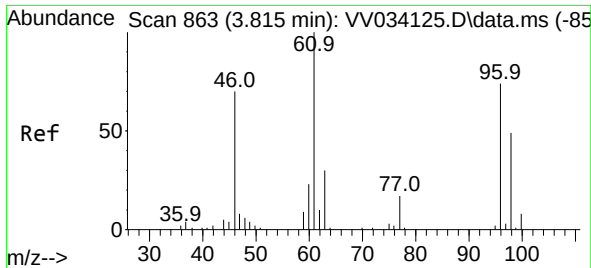


#19
 1,1-Dichloroethane
 Concen: 1.130 ug/L
 RT: 3.121 min Scan# 647
 Delta R.T. 0.010 min
 Lab File: VV034134.D
 Acq: 12 Feb 2024 12:57

Tgt Ion: 63 Resp: 11749

Ion	Ratio	Lower	Upper
63	100		
65	34.2	20.8	38.6
83	13.8	9.4	17.4





#22

cis-1,2-Dichloroethene

Concen: 31.704 ug/L

RT: 3.815 min Scan# 80

Delta R.T. -0.000 min

Lab File: VV034134.D

Acq: 12 Feb 2024 12:57

Instrument :

MSVOA_V

ClientSampleId :

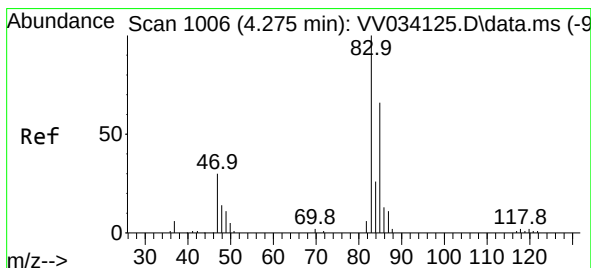
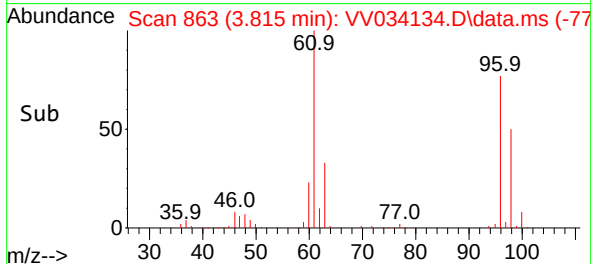
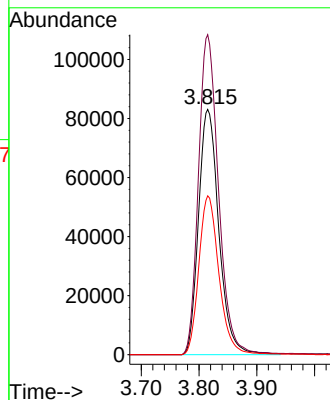
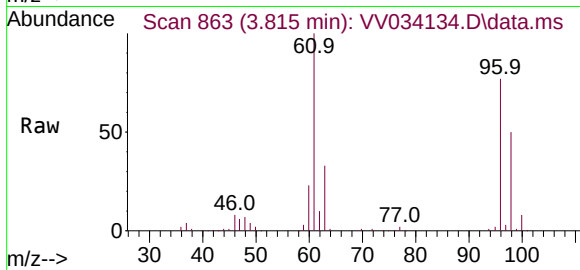
Tgt Ion: 96 Resp: 203493

Ion Ratio Lower Upper

96 100

61 130.4 90.3 167.7

98 64.7 43.2 80.2



#25

Chloroform

Concen: 1.168 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. 0.006 min

Lab File: VV034134.D

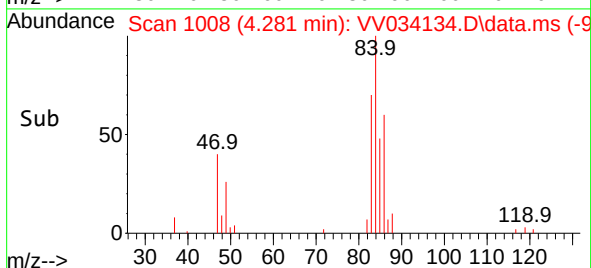
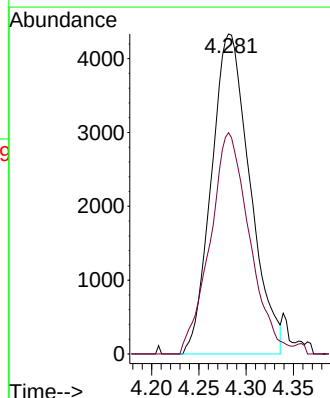
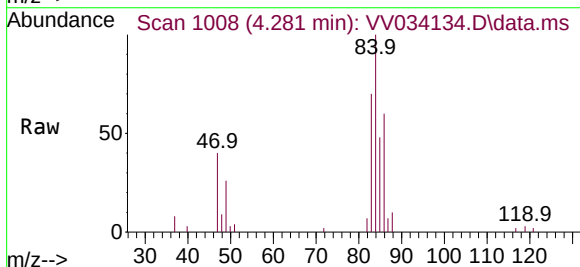
Acq: 12 Feb 2024 12:57

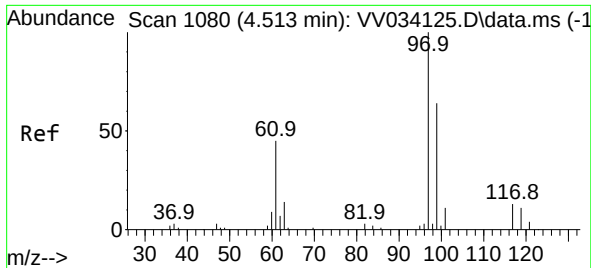
Tgt Ion: 83 Resp: 12271

Ion Ratio Lower Upper

83 100

85 69.1 47.5 88.1





#29

1,1,1-Trichloroethane

Concen: 0.594 ug/L

RT: 4.522 min Scan# 1105

Delta R.T. 0.010 min

Lab File: VV034134.D

Acq: 12 Feb 2024 12:57

Instrument :

MSVOA_V

ClientSampleId :

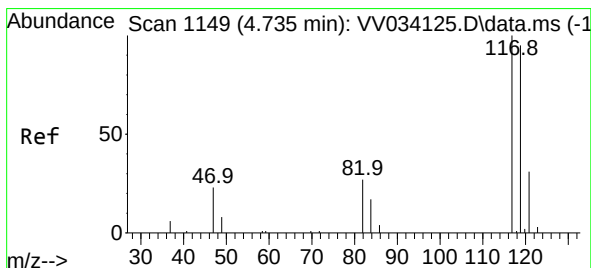
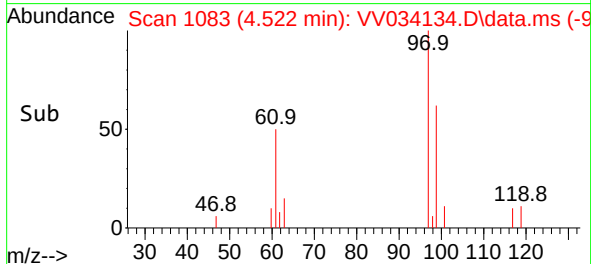
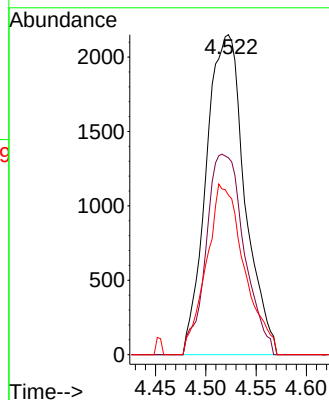
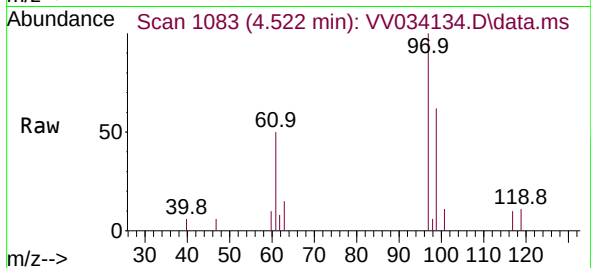
Tgt Ion: 97 Resp: 5725

Ion Ratio Lower Upper

97 100

99 61.8 50.6 75.8

61 52.3 36.8 55.2



#31

Carbon tetrachloride

Concen: 0.255 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. 0.006 min

Lab File: VV034134.D

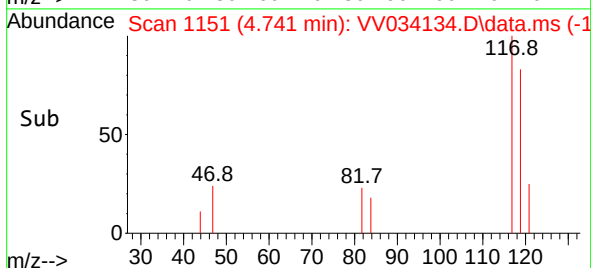
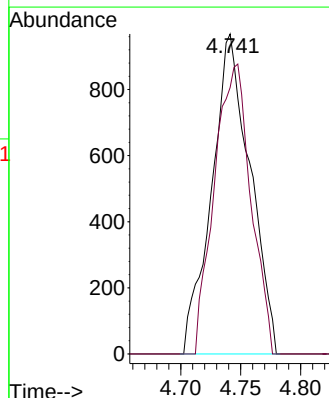
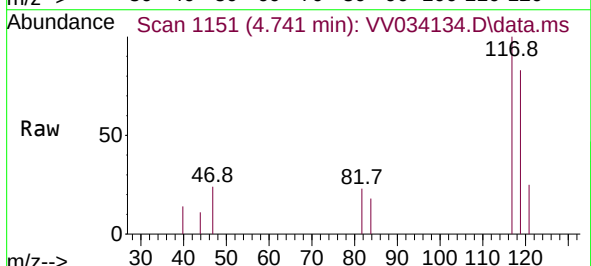
Acq: 12 Feb 2024 12:57

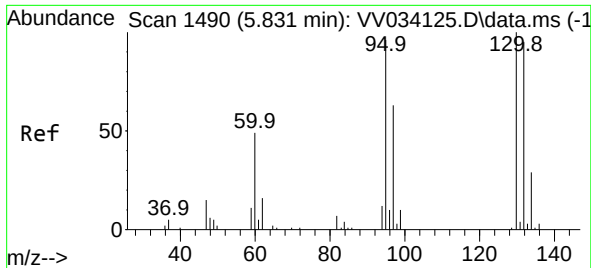
Tgt Ion: 117 Resp: 2153

Ion Ratio Lower Upper

117 100

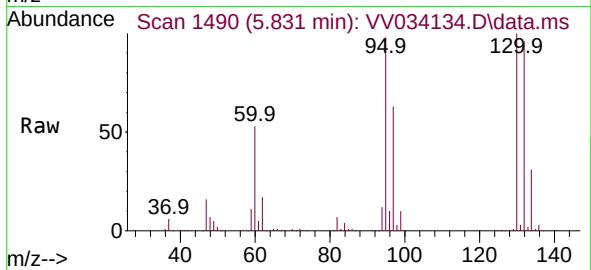
119 86.0 76.1 114.1





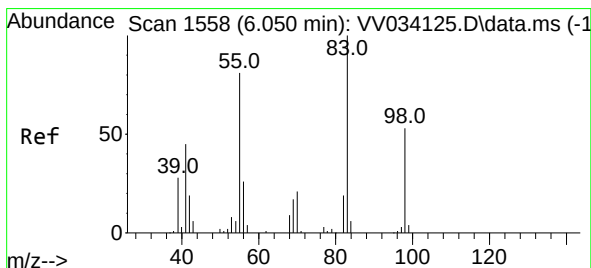
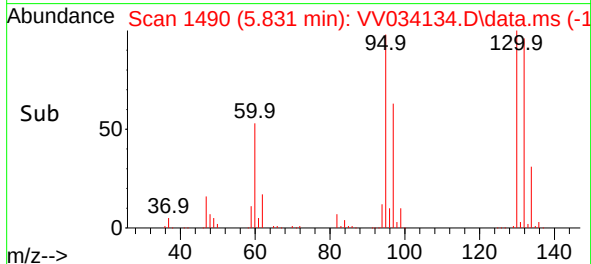
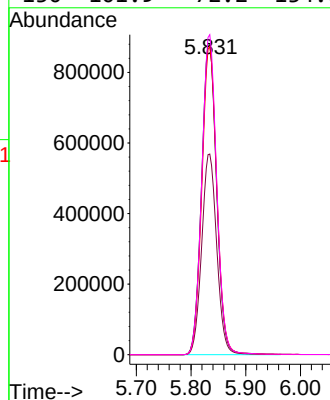
#34
Trichloroethene
Concen: 270.777 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VV034134.D
Acq: 12 Feb 2024 12:57

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 95 Resp: 1687395

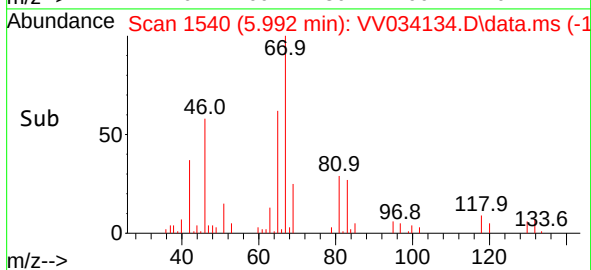
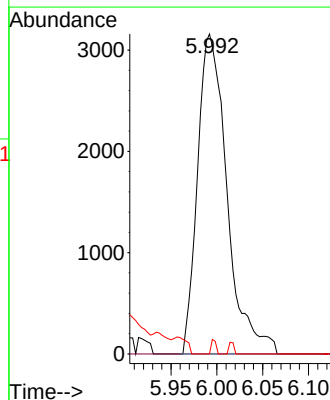
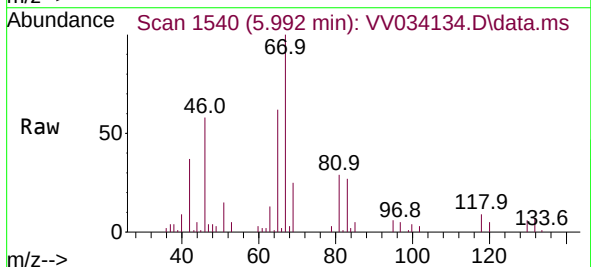
Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.1	83.7
132	98.1	66.0	122.6
130	101.9	72.2	134.0

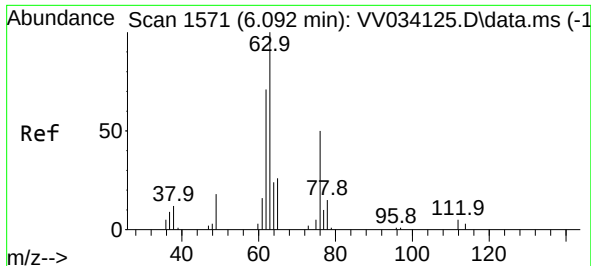


#35
Methylcyclohexane
Concen: 0.722 ug/L
RT: 5.992 min Scan# 1540
Delta R.T. -0.058 min
Lab File: VV034134.D
Acq: 12 Feb 2024 12:57

Tgt Ion: 83 Resp: 7065

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: 0.628 ug/L

RT: 5.989 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV034134.D

Acq: 12 Feb 2024 12:57

Instrument :

MSVOA_V

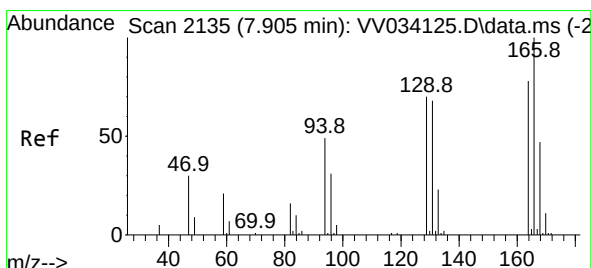
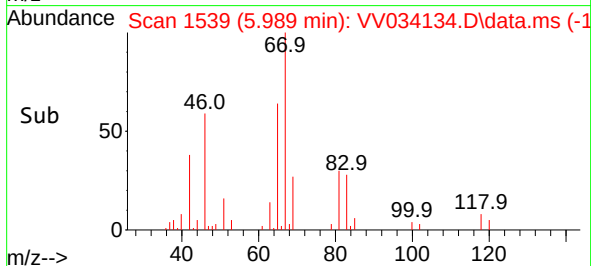
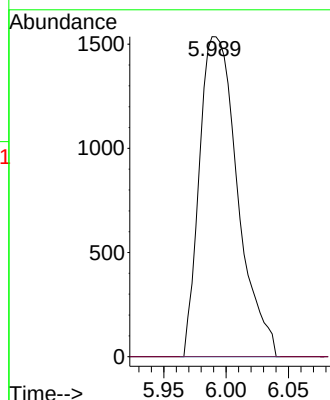
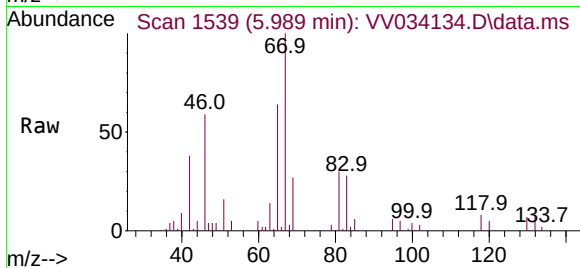
ClientSampleId :

Tgt Ion: 63 Resp: 3277

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#



#47

Tetrachloroethene

Concen: 24.476 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VV034134.D

Acq: 12 Feb 2024 12:57

Tgt Ion:164 Resp: 123932

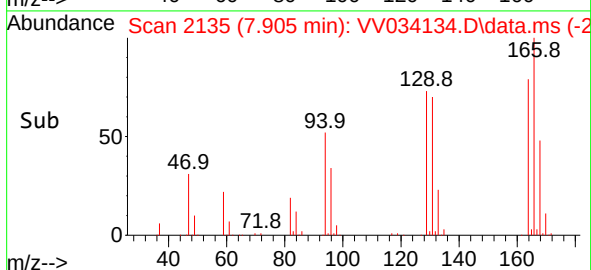
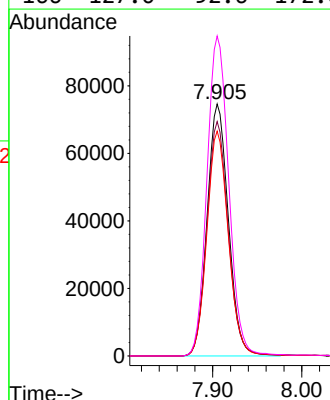
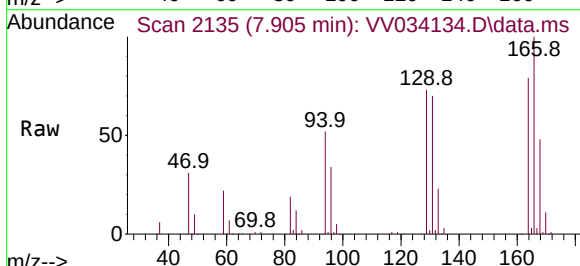
Ion Ratio Lower Upper

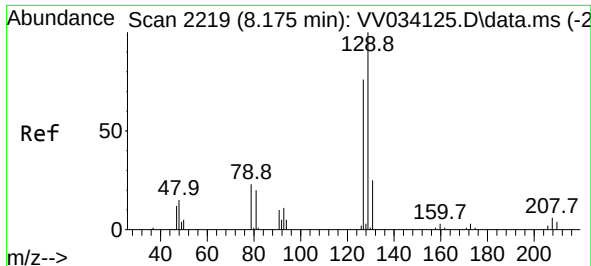
164 100

129 93.0 67.8 125.8

131 89.2 63.0 117.0

166 127.0 92.6 172.0





#49

Dibromochloromethane

Concen: 29.413 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.270 min

Lab File: VV034134.D

Acq: 12 Feb 2024 12:57

Instrument :

MSVOA_V

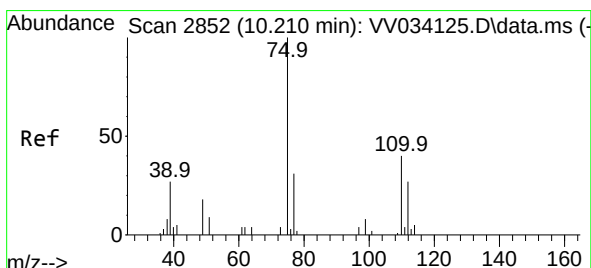
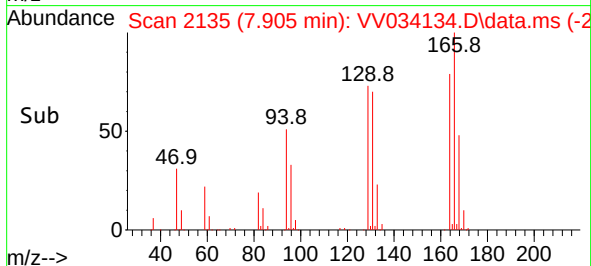
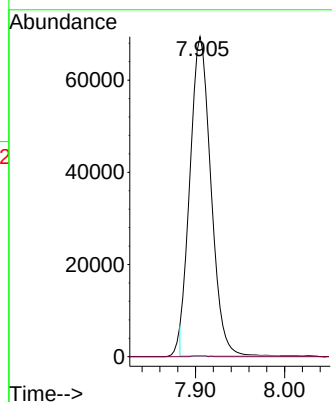
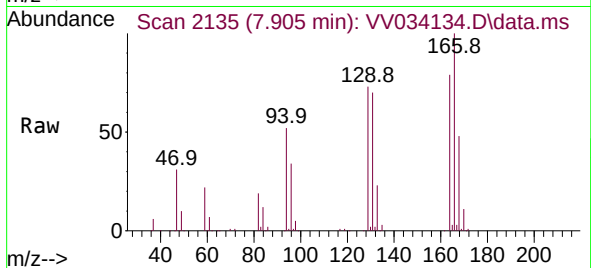
ClientSampleId :

Tgt Ion:129 Resp: 112571

Ion Ratio Lower Upper

129 100

127 0.2 53.5 99.5#



#61

1,2,3-Trichloropropane

Concen: 1.726 ug/L

RT: 11.185 min Scan# 3155

Delta R.T. 0.974 min

Lab File: VV034134.D

Acq: 12 Feb 2024 12:57

Tgt Ion: 75 Resp: 4434

Ion Ratio Lower Upper

75 100

77 39.1 26.9 40.3

110 1.8 33.3 49.9#

