

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041624\
 Data File : VW035235.D
 Acq On : 16 Apr 2024 13:12
 Operator : SY/MD
 Sample : P2100-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 17 02:48:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR041524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 17 02:28:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	188799	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	187104	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	83054	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	78251	4.426	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.600%
7) Chloroethane-d5	1.532	69	64673	4.709	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.200%
11) 1,1-Dichloroethene-d2	2.059	65	33546	4.473	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.400%
20) 2-Butanone-d5	3.809	46	171001	57.188	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.380%
24) Chloroform-d	4.249	84	136419	4.935	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	4.944	65	65526	4.981	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	4.960	84	256765	4.831	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
36) 1,2-Dichloropropane-d6	5.989	67	83313	5.040	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.800%
41) Toluene-d8	7.243	98	204871	4.291	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
43) trans-1,3-Dichloroprop...	7.558	79	24540	4.160	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.200%
46) 2-Hexanone-d5	8.027	63	111124	45.224	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.440%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	60542	4.755	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.000%
66) 1,2-Dichlorobenzene-d4	11.561	152	73708	4.993	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.800%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	28463	1.903	ug/L	99
12) 1,1-Dichloroethene	2.069	96	78967	5.509	ug/L	91
15) Methyl Acetate	2.442	43	1919	0.362	ug/L #	60
16) Methylene chloride	2.445	84	240693	13.334	ug/L	98
19) 1,1-Dichloroethane	3.114	63	21474	0.729	ug/L	96
22) cis-1,2-Dichloroethene	3.812	96	408844	27.151	ug/L	99
25) Chloroform	4.275	83	78706	2.748	ug/L	97
29) 1,1,1-Trichloroethane	4.513	97	7267	0.309	ug/L	95
31) Carbon tetrachloride	4.738	117	5200	0.259	ug/L	97
34) Trichloroethene	5.831	95	7956339	514.283	ug/L	98
35) Methylcyclohexane	5.989	83	18416	0.790	ug/L #	17
37) 1,2-Dichloropropane	5.989	63	9366	0.602	ug/L #	90
38) Bromodichloromethane	6.442	83	3529	0.186	ug/L	87
42) Toluene	7.333	91	7487	0.123	ug/L	95
45) 1,1,2-Trichloroethane	7.783	97	1647	0.153	ug/L	95
47) Tetrachloroethene	7.902	164	175570	14.306	ug/L	96
49) Dibromochloromethane	7.902	129	156076	14.001	ug/L #	10
59) Bromoform	9.673	173	1074	0.217	ug/L #	89
61) 1,2,3-Trichloropropane	11.181	75	10498	1.259	ug/L #	67

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Response via : Initial Calibration

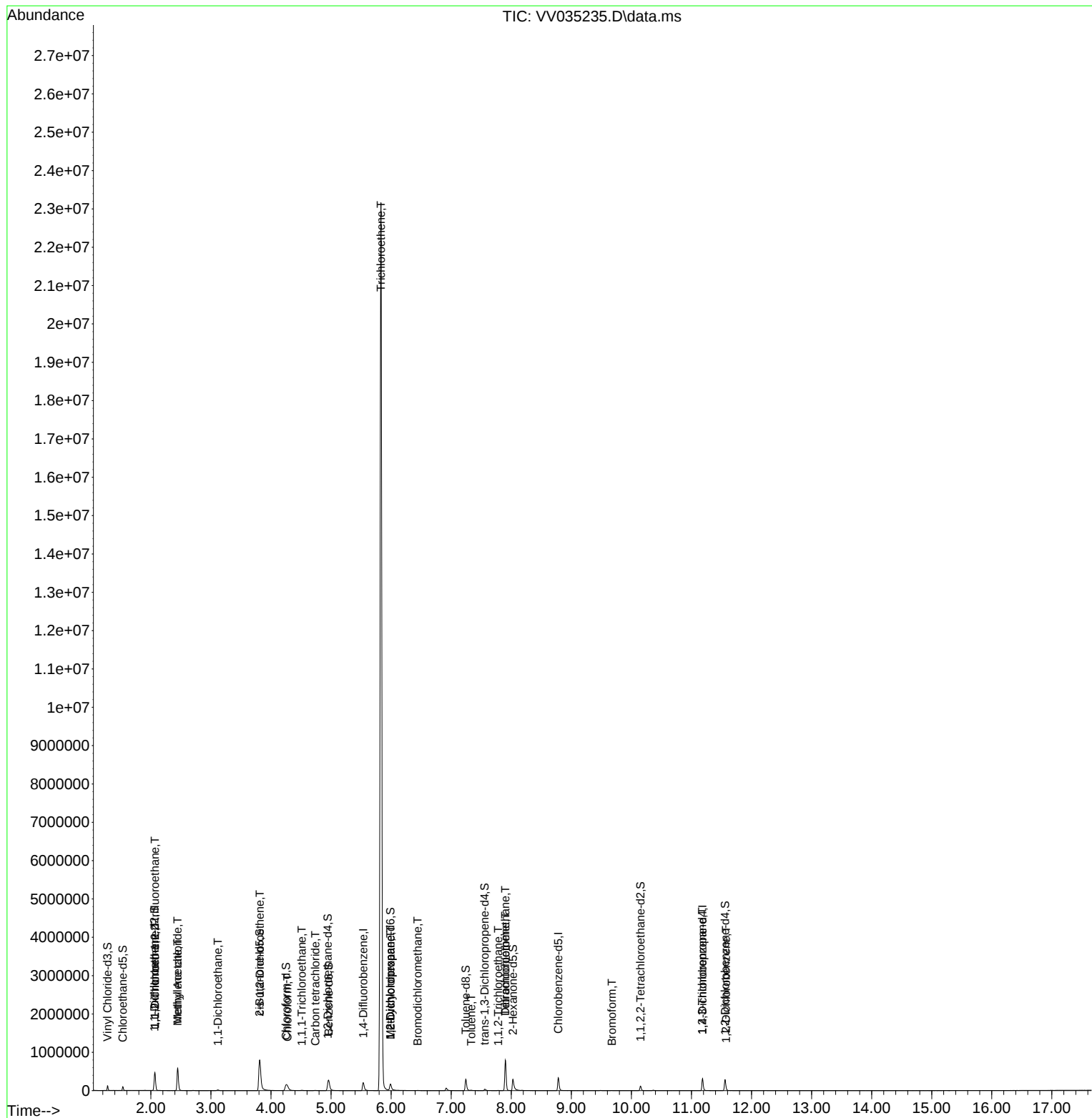
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.577	146	6768	0.271	ug/L	# 90

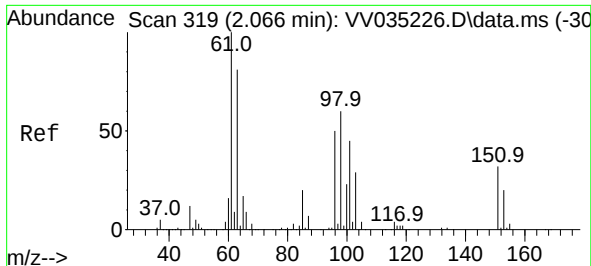
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 1.903 ug/L

RT: 2.069 min Scan# 319

Delta R.T. 0.003 min

Lab File: VV035235.D

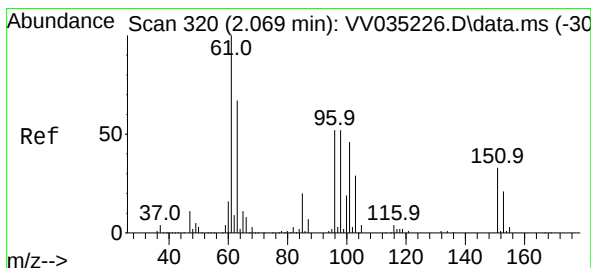
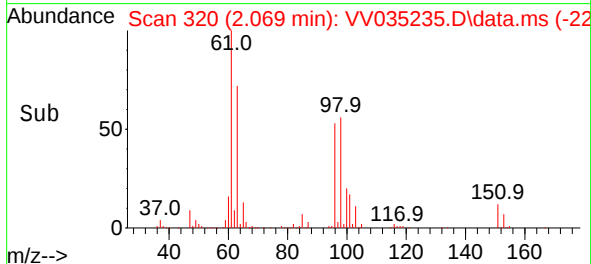
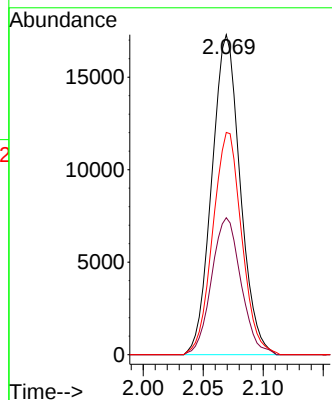
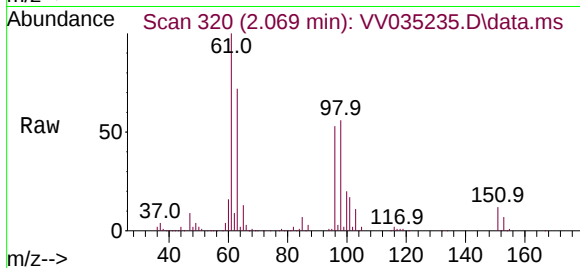
Acq: 16 Apr 2024 13:12

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	101	Resp:	28463
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.8	53.6
151	70.8	56.2	84.2



#12

1,1-Dichloroethene

Concen: 5.509 ug/L

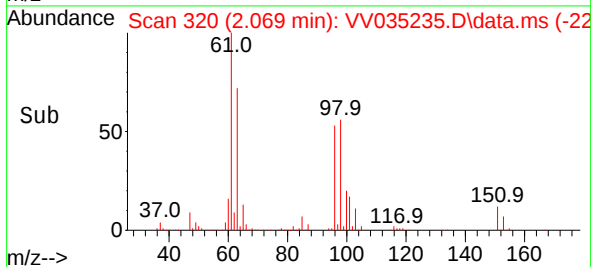
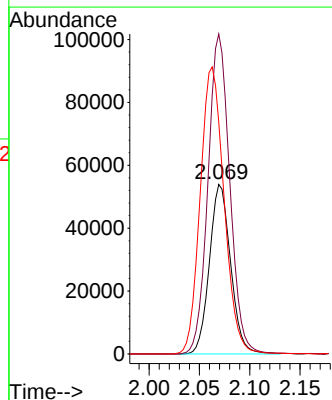
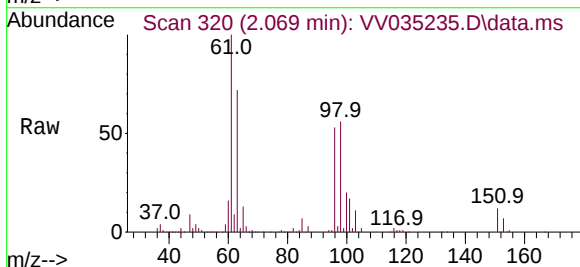
RT: 2.069 min Scan# 320

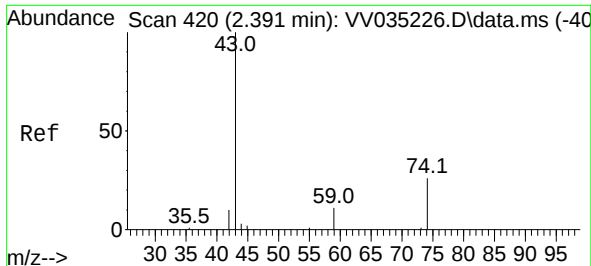
Delta R.T. -0.000 min

Lab File: VV035235.D

Acq: 16 Apr 2024 13:12

Tgt Ion:	96	Resp:	78967
Ion Ratio	Lower	Upper	
96	100		
61	188.6	133.5	247.9
63	136.6	112.5	208.9





#15

Methyl Acetate

Concen: 0.362 ug/L

RT: 2.442 min Scan# 41

Delta R.T. 0.051 min

Lab File: VV035235.D

Acq: 16 Apr 2024 13:12

Instrument :

MSVOA_V

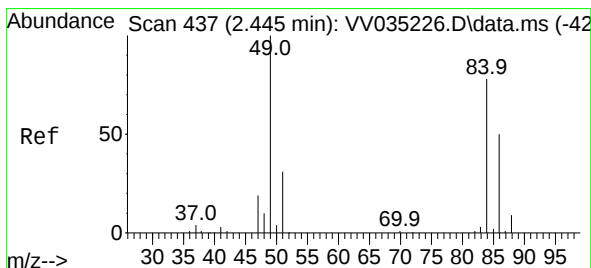
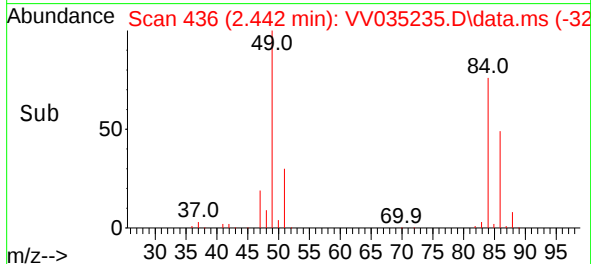
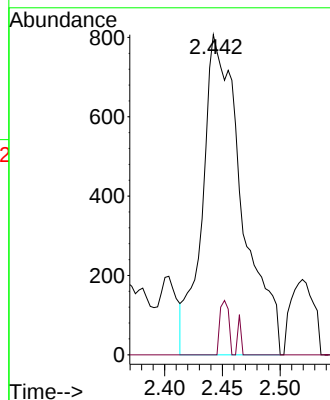
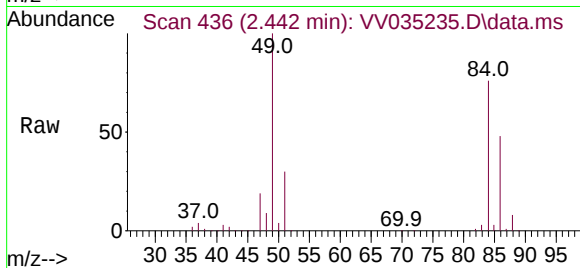
ClientSampleId :

Tgt Ion: 43 Resp: 1919

Ion Ratio Lower Upper

43 100

74 3.8 18.3 27.5#



#16

Methylene chloride

Concen: 13.334 ug/L

RT: 2.445 min Scan# 437

Delta R.T. -0.000 min

Lab File: VV035235.D

Acq: 16 Apr 2024 13:12

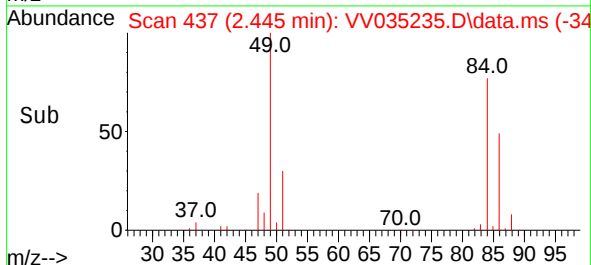
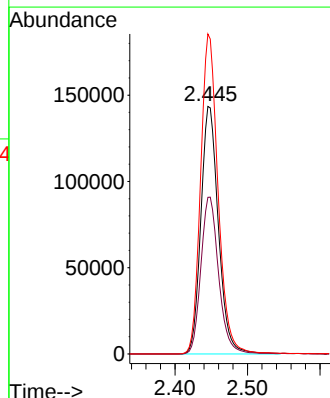
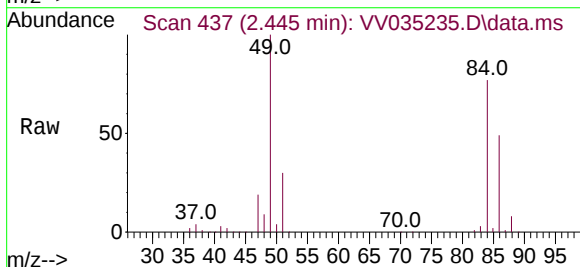
Tgt Ion: 84 Resp: 240693

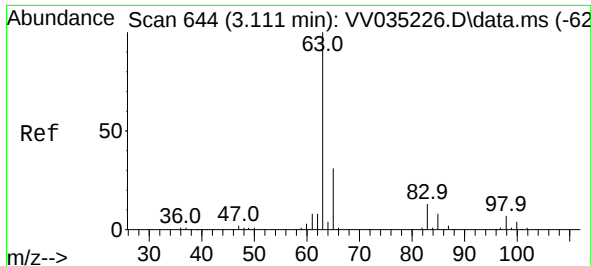
Ion Ratio Lower Upper

84 100

86 63.3 45.6 84.6

49 129.3 89.5 166.1

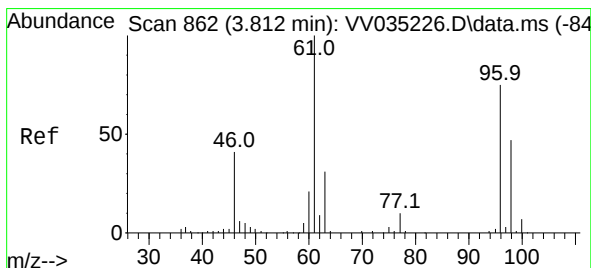
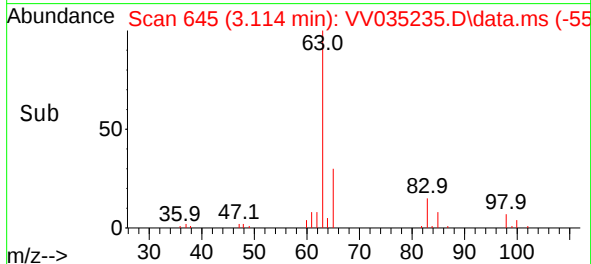
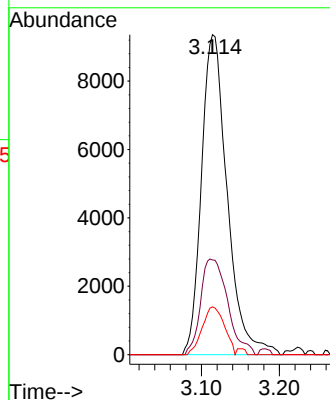
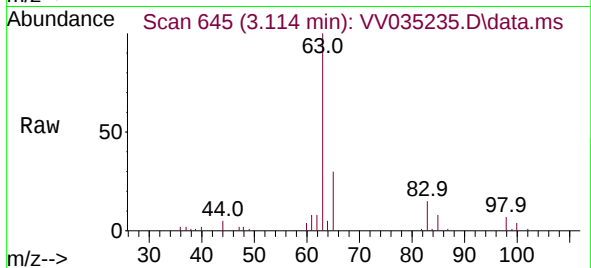




#19
1,1-Dichloroethane
Concen: 0.729 ug/L
RT: 3.114 min Scan# 644
Delta R.T. 0.003 min
Lab File: VV035235.D
Acq: 16 Apr 2024 13:12

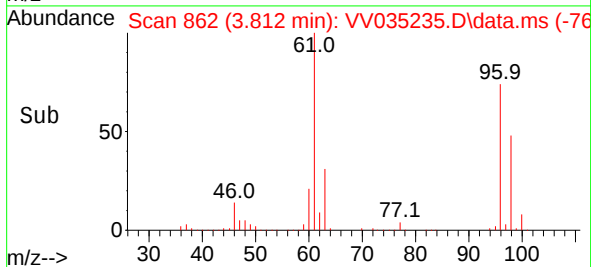
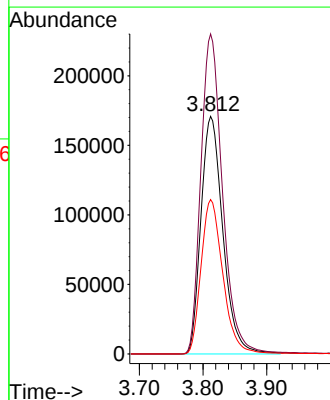
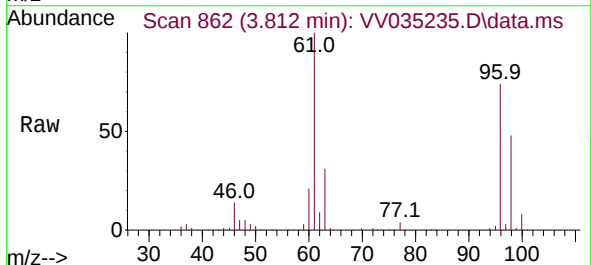
Instrument :
MSVOA_V
ClientSampleId :

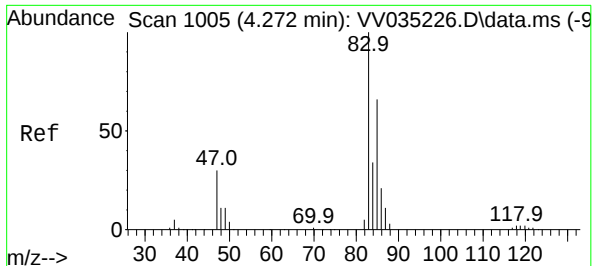
Tgt Ion: 63 Resp: 21474
Ion Ratio Lower Upper
63 100
65 29.6 22.2 41.2
83 15.0 9.4 17.4



#22
cis-1,2-Dichloroethene
Concen: 27.151 ug/L
RT: 3.812 min Scan# 862
Delta R.T. -0.000 min
Lab File: VV035235.D
Acq: 16 Apr 2024 13:12

Tgt Ion: 96 Resp: 408844
Ion Ratio Lower Upper
96 100
61 134.6 92.8 172.4
98 65.0 45.5 84.5





#25

Chloroform

Concen: 2.748 ug/L

RT: 4.275 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV035235.D

Acq: 16 Apr 2024 13:12

Instrument :

MSVOA_V

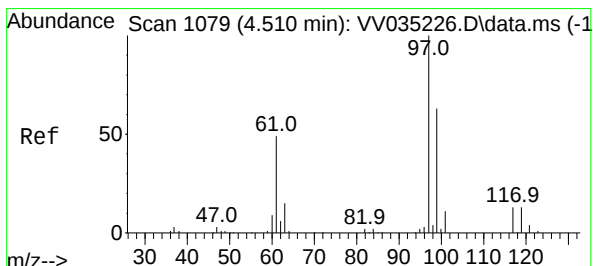
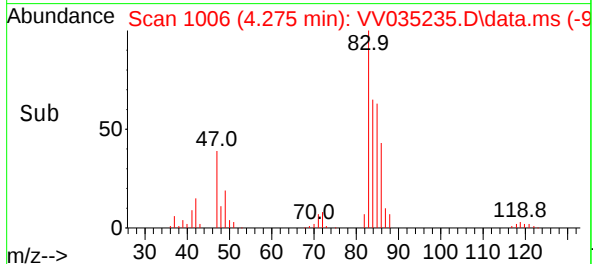
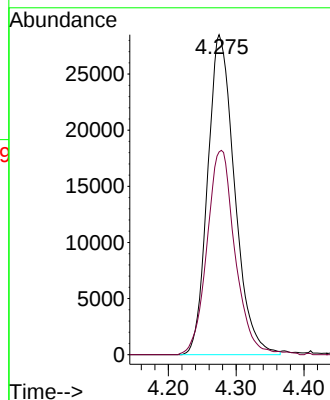
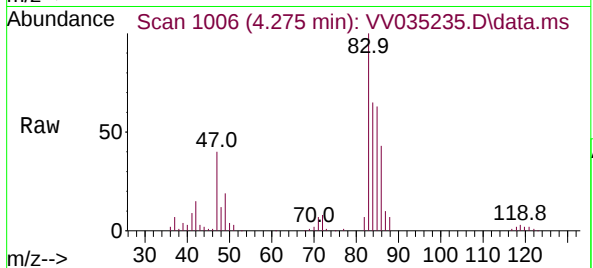
ClientSampleId :

Tgt Ion: 83 Resp: 78706

Ion Ratio Lower Upper

83 100

85 63.3 46.0 85.4



#29

1,1,1-Trichloroethane

Concen: 0.309 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV035235.D

Acq: 16 Apr 2024 13:12

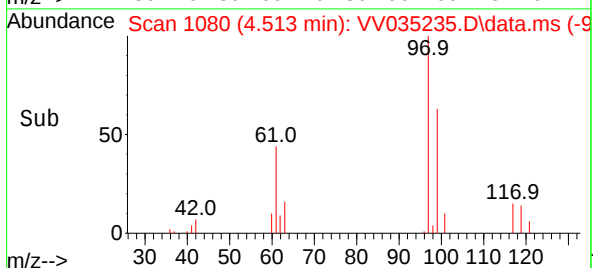
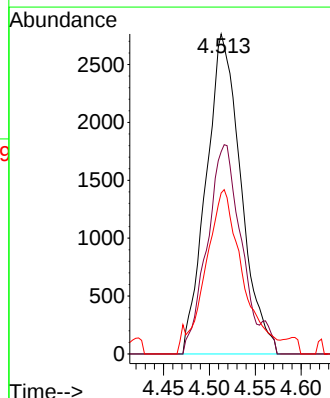
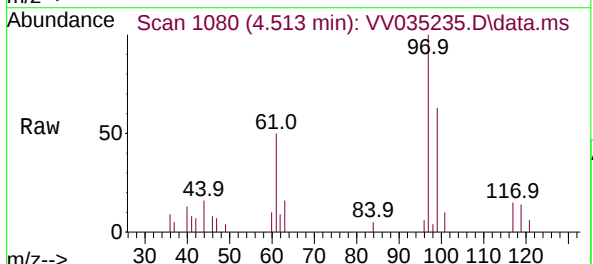
Tgt Ion: 97 Resp: 7267

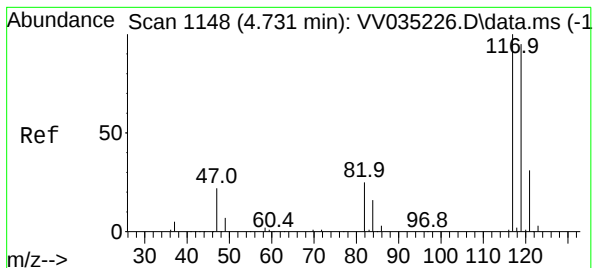
Ion Ratio Lower Upper

97 100

99 62.8 51.4 77.2

61 54.7 38.3 57.5





#31

Carbon tetrachloride

Concen: 0.259 ug/L

RT: 4.738 min Scan# 1148

Delta R.T. 0.006 min

Lab File: VV035235.D

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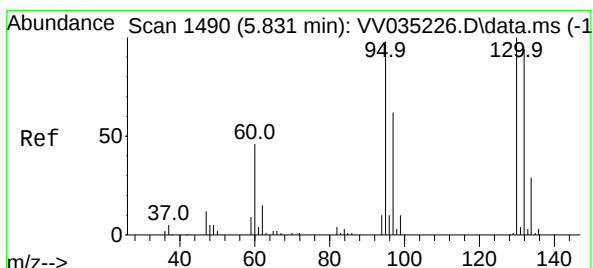
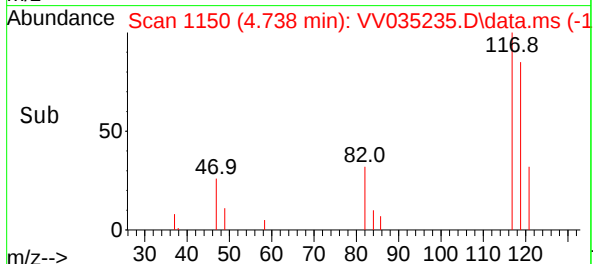
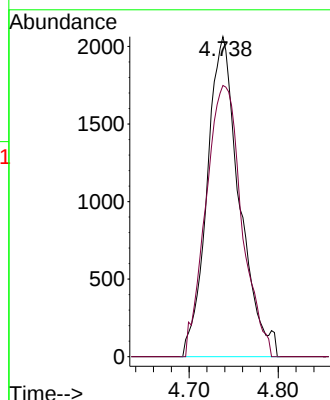
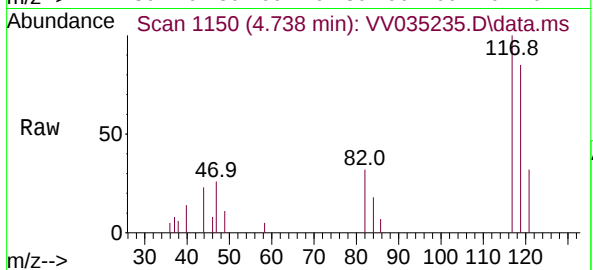
ClientSampleId :

Tgt Ion:117 Resp: 5200

Ion Ratio Lower Upper

117 100

119 93.8 77.0 115.6



#34

Trichloroethene

Concen: 514.283 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VV035235.D

Acq: 16 Apr 2024 13:12

Tgt Ion: 95 Resp: 7956339

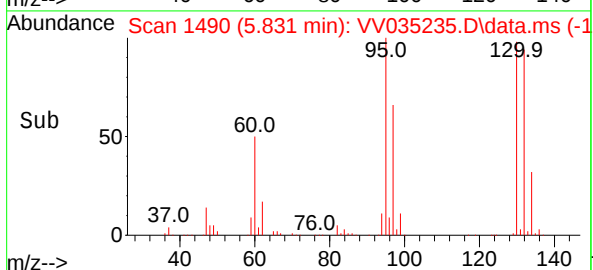
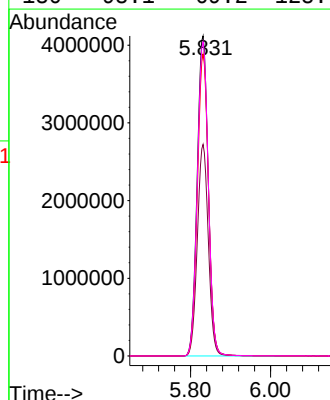
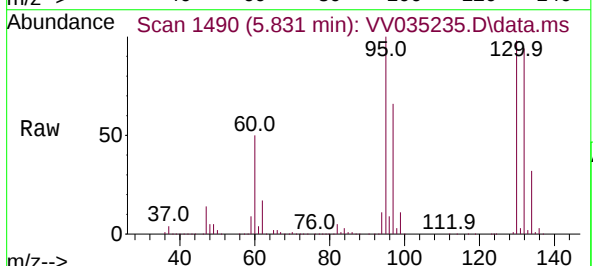
Ion Ratio Lower Upper

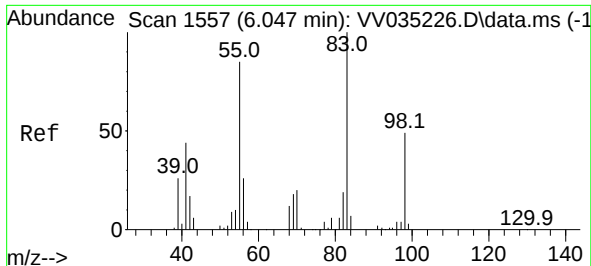
95 100

97 66.1 44.7 82.9

132 94.4 64.8 120.3

130 98.1 69.2 128.4





#35

Methylcyclohexane

Concen: 0.790 ug/L

RT: 5.989 min Scan# 1539

Delta R.T. -0.058 min

Lab File: VV035235.D

Acq: 16 Apr 2024 13:12

Instrument :

MSVOA_V

ClientSampleId :

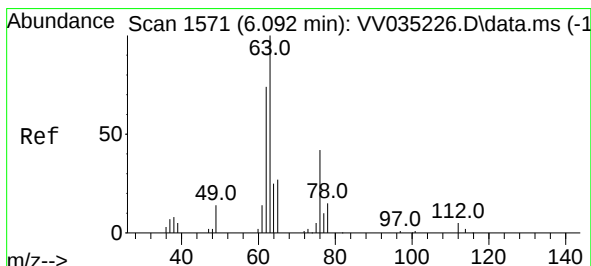
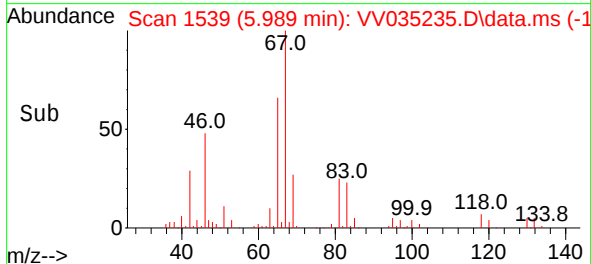
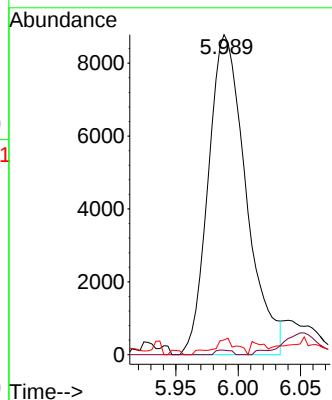
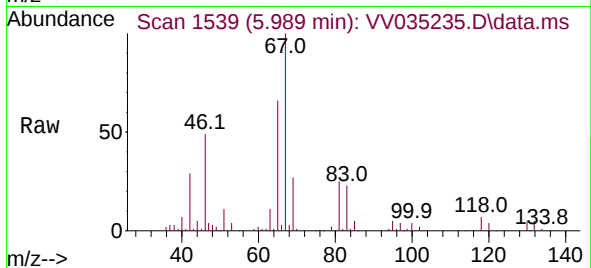
Tgt Ion: 83 Resp: 18416

Ion Ratio Lower Upper

83 100

55 0.6 63.8 95.6#

98 0.0 37.4 56.2#



#37

1,2-Dichloropropane

Concen: 0.602 ug/L

RT: 5.989 min Scan# 1539

Delta R.T. -0.103 min

Lab File: VV035235.D

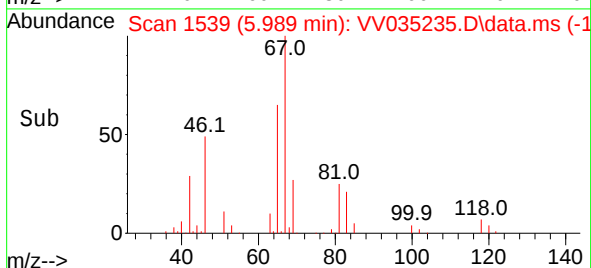
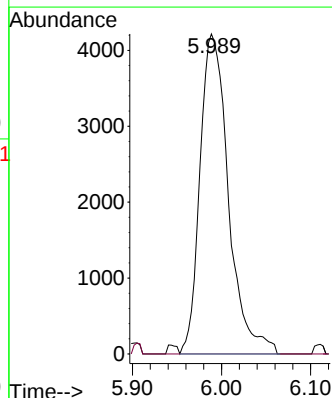
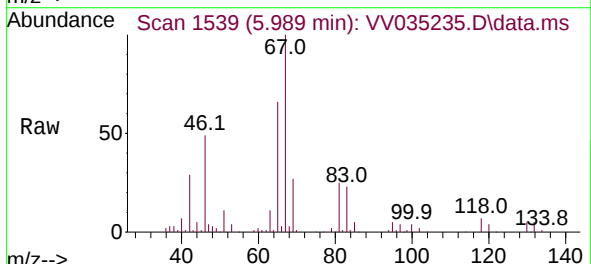
Acq: 16 Apr 2024 13:12

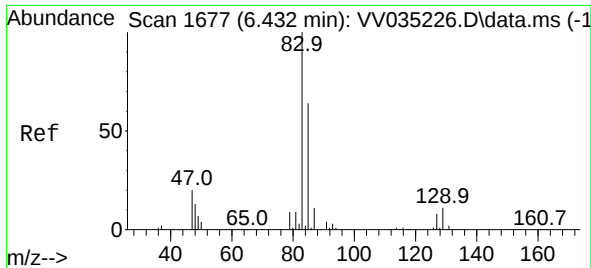
Tgt Ion: 63 Resp: 9366

Ion Ratio Lower Upper

63 100

112 0.8 3.3 4.9#





#38

Bromodichloromethane

Concen: 0.186 ug/L

RT: 6.442 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV035235.D

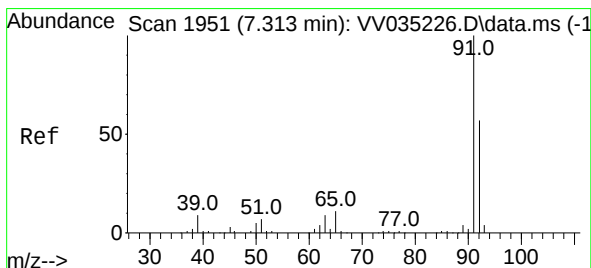
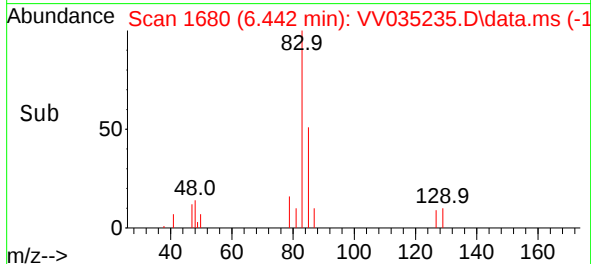
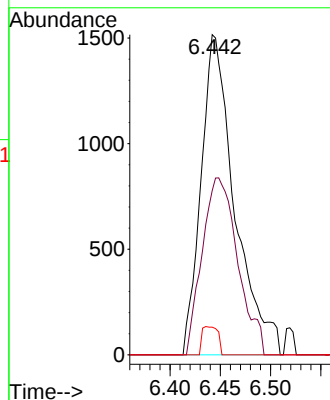
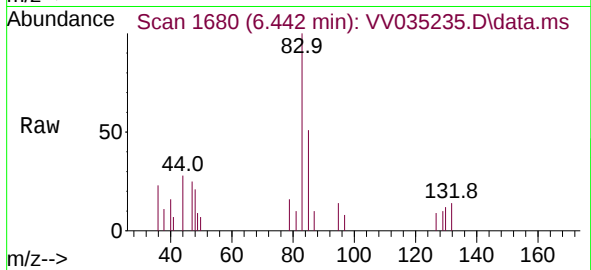
Acq: 16 Apr 2024 13:12

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp:	3529
Ion Ratio	Lower	Upper
83	100	
85	51.3	43.8 81.4
127	8.6	6.3 9.5



#42

Toluene

Concen: 0.123 ug/L

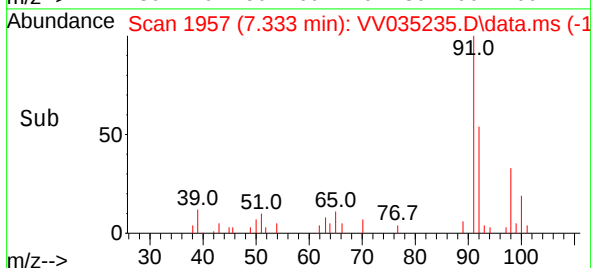
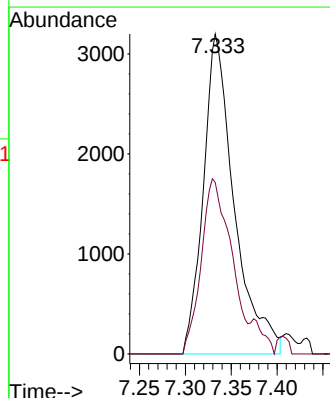
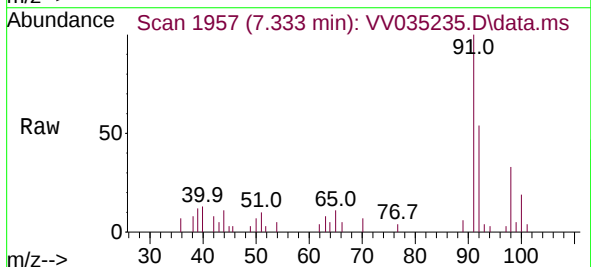
RT: 7.333 min Scan# 1957

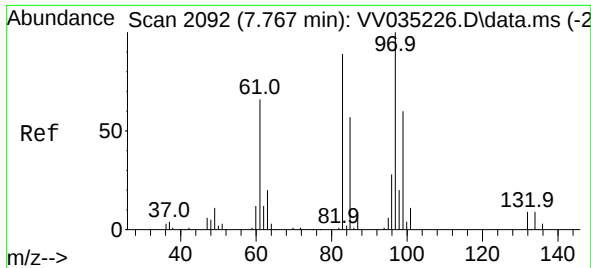
Delta R.T. 0.019 min

Lab File: VV035235.D

Acq: 16 Apr 2024 13:12

Tgt Ion: 91	Resp:	7487
Ion Ratio	Lower	Upper
91	100	
92	53.6	40.2 74.6



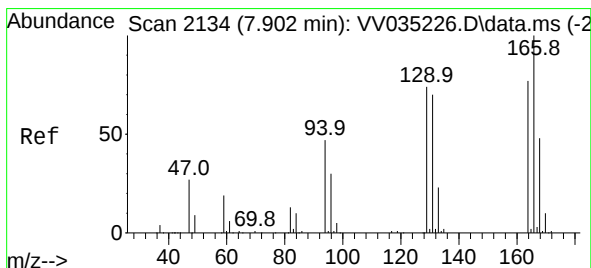
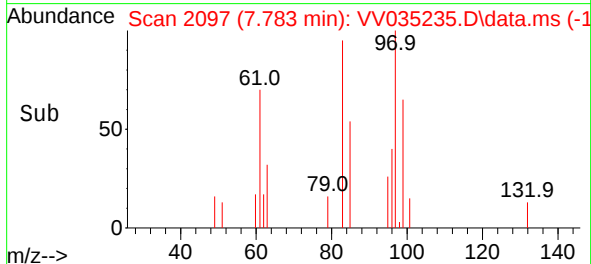
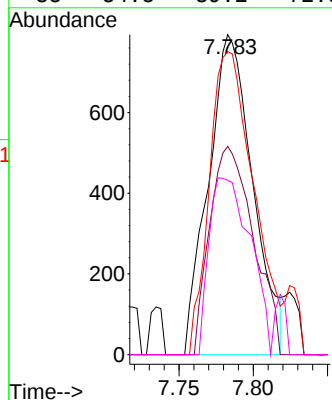
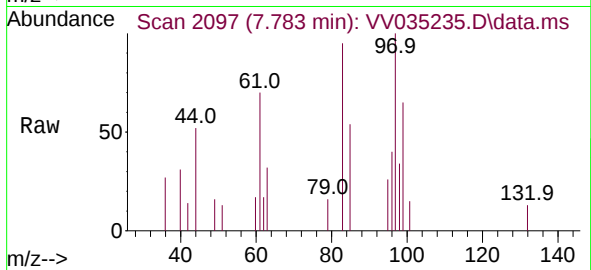


#45
1,1,2-Trichloroethane
Concen: 0.153 ug/L
RT: 7.783 min Scan# 2092
Delta R.T. 0.016 min
Lab File: VV035235.D
Acq: 16 Apr 2024 13:12

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 1647

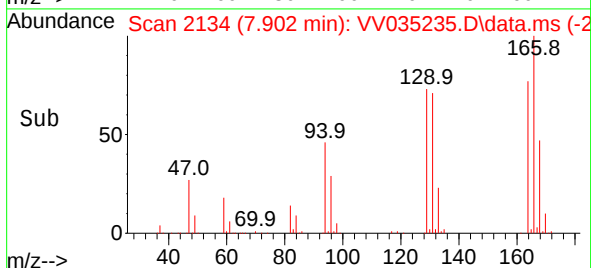
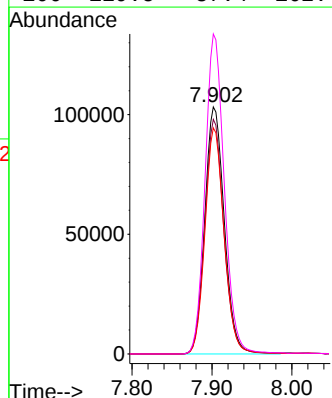
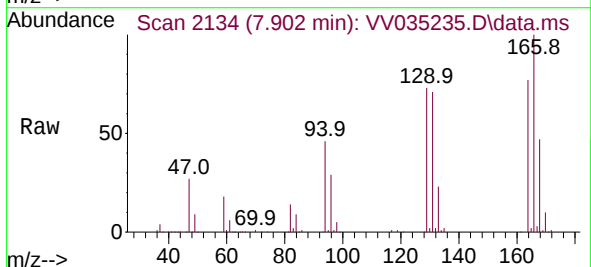
Ion	Ratio	Lower	Upper
97	100		
99	65.1	44.2	82.2
83	94.7	60.2	111.8
85	54.5	39.2	72.8

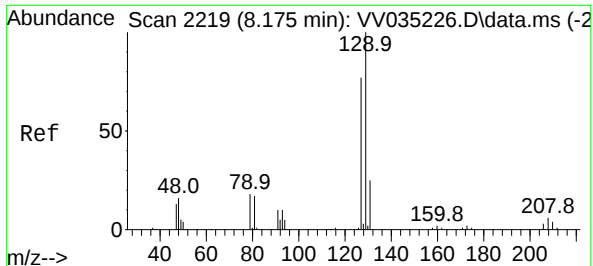


#47
Tetrachloroethene
Concen: 14.306 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. -0.000 min
Lab File: VV035235.D
Acq: 16 Apr 2024 13:12

Tgt Ion: 164 Resp: 175570

Ion	Ratio	Lower	Upper
164	100		
129	95.0	65.3	121.3
131	91.5	60.9	113.1
166	129.5	87.4	162.4





#49

Dibromochloromethane

Concen: 14.001 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. -0.273 min

Lab File: VV035235.D

Acq: 16 Apr 2024 13:12

Instrument :

MSVOA_V

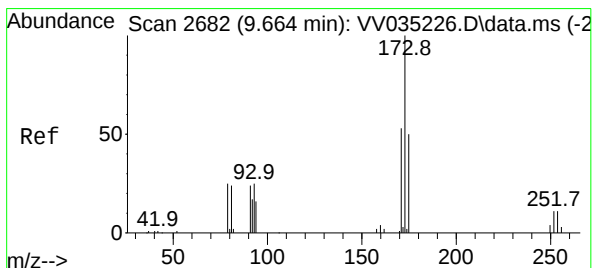
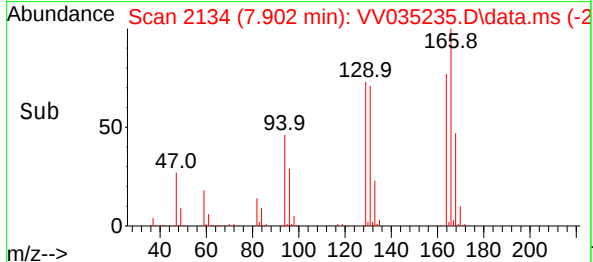
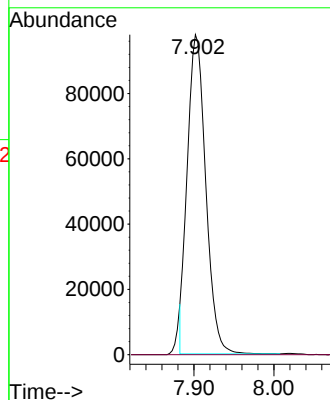
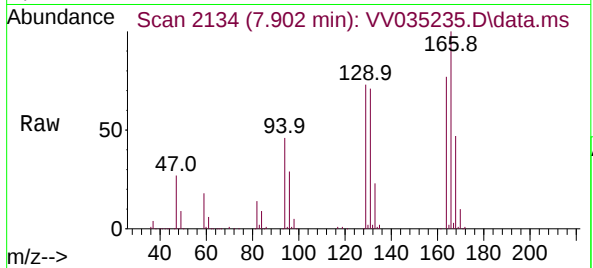
ClientSampleId :

Tgt Ion:129 Resp: 156076

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#



#59

Bromoform

Concen: 0.217 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. 0.010 min

Lab File: VV035235.D

Acq: 16 Apr 2024 13:12

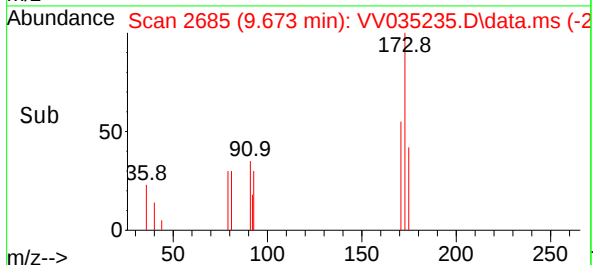
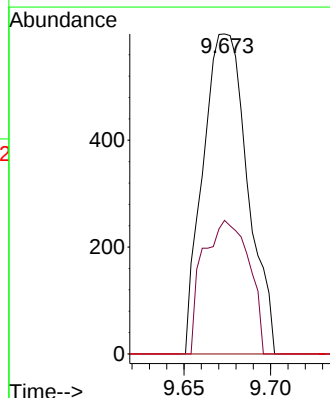
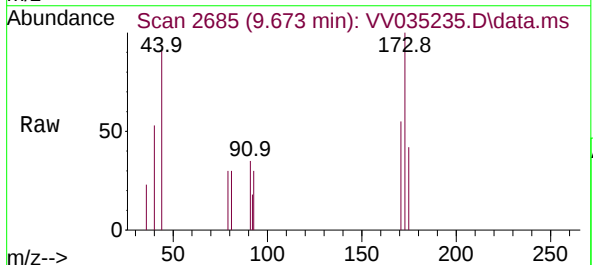
Tgt Ion:173 Resp: 1074

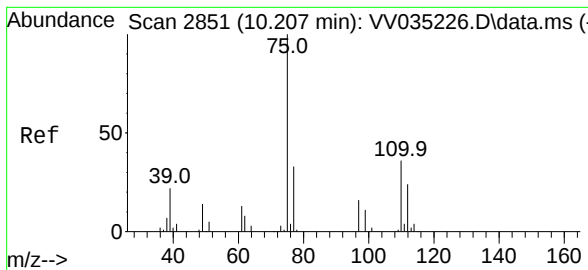
Ion Ratio Lower Upper

173 100

175 42.8 38.6 57.8

254 0.0 8.2 12.2#

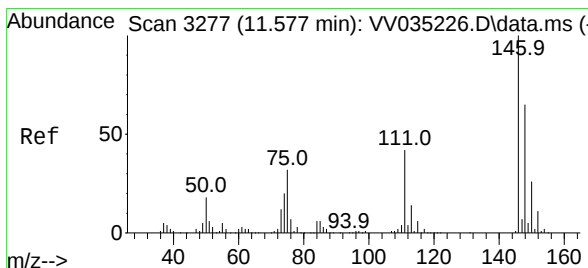
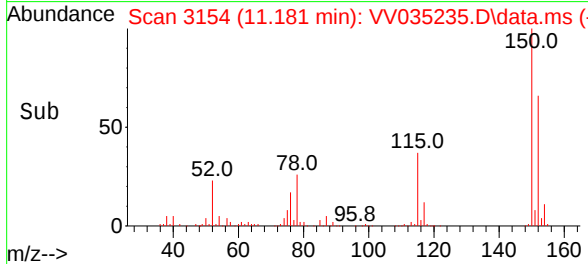
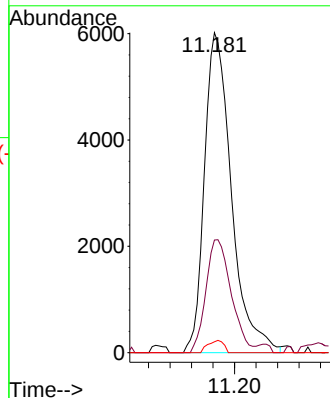
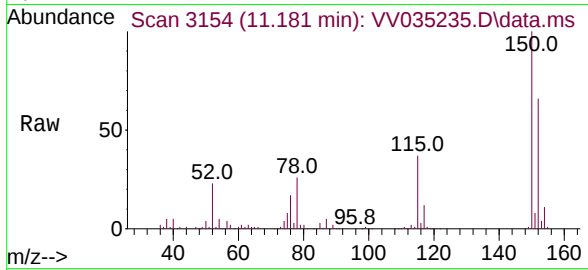




#61
1,2,3-Trichloropropane
Concen: 1.259 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.974 min
Lab File: VV035235.D
Acq: 16 Apr 2024 13:12

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 10498
Ion Ratio Lower Upper
75 100
77 32.9 25.3 37.9
110 2.2 29.6 44.4#



#67
1,2-Dichlorobenzene
Concen: 0.271 ug/L
RT: 11.577 min Scan# 3277
Delta R.T. -0.000 min
Lab File: VV035235.D
Acq: 16 Apr 2024 13:12

Tgt Ion: 146 Resp: 6768
Ion Ratio Lower Upper
146 100
111 52.0 33.7 50.5#
148 67.5 50.2 75.2

