

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020524\
 Data File : VW033995.D
 Acq On : 05 Feb 2024 18:02
 Operator : SY/MD
 Sample : P1289-15
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 06 05:17:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 06 05:11:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	37924	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	36670	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	19777	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	11381	3.875	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	77.400%	
7) Chloroethane-d5	1.523	69	10581	4.113	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	82.200%	
11) 1,1-Dichloroethene-d2	2.056	65	6389	4.511	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	90.200%	
20) 2-Butanone-d5	3.793	46	35475	71.916	ug/L	-0.05
Spiked Amount	50.000	Range 40 - 130	Recovery	=	143.840%#	
24) Chloroform-d	4.252	84	23554	4.413	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	88.200%	
26) 1,2-Dichloroethane-d4	4.950	65	13284	5.326	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	106.600%	
32) Benzene-d6	4.963	84	42455	3.859	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	77.200%	
36) 1,2-Dichloropropane-d6	5.992	67	12995	4.225	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	84.600%	
41) Toluene-d8	7.246	98	40648	4.020	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	80.400%	
43) trans-1,3-Dichloroprop...	7.564	79	5359	4.615	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	92.200%	
46) 2-Hexanone-d5	8.027	63	31233	75.343	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	150.680%#	
56) 1,1,2,2-Tetrachloroeth...	10.156	84	11856	6.359	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	127.200%#	
66) 1,2-Dichlorobenzene-d4	11.564	152	17362	4.827	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	96.600%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.214	50	1940	0.512	ug/L	91
5) Vinyl chloride	1.281	62	440	0.121	ug/L #	1
9) Trichlorofluoromethane	1.709	101	4892	0.937	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	737	0.270	ug/L #	24
12) 1,1-Dichloroethene	2.066	96	215333	81.278	ug/L #	70
13) Acetone	2.111	43	3554	9.497	ug/L #	60
15) Methyl Acetate	2.381	43	3416	3.857	ug/L	93
16) Methylene chloride	2.445	84	6978	2.745	ug/L	92
19) 1,1-Dichloroethane	3.111	63	230882	46.564	ug/L	96
27) 1,2-Dichloroethane	5.069	62	899	0.313	ug/L #	76
29) 1,1,1-Trichloroethane	4.516	97	9488360	1927.261	ug/L	98
31) Carbon tetrachloride	4.516	117	1178620	273.602	ug/L	99
34) Trichloroethene	5.838	95	12663	3.978	ug/L	99
35) Methylcyclohexane	5.992	83	2945	0.589	ug/L #	19
37) 1,2-Dichloropropane	5.992	63	1610	0.604	ug/L #	87
39) cis-1,3-Dichloropropene	6.918	75	252	0.062	ug/L #	24
49) Dibromochloromethane	7.915	129	138	0.071	ug/L #	11
61) 1,2,3-Trichloropropane	11.185	75	2708	1.992	ug/L #	62

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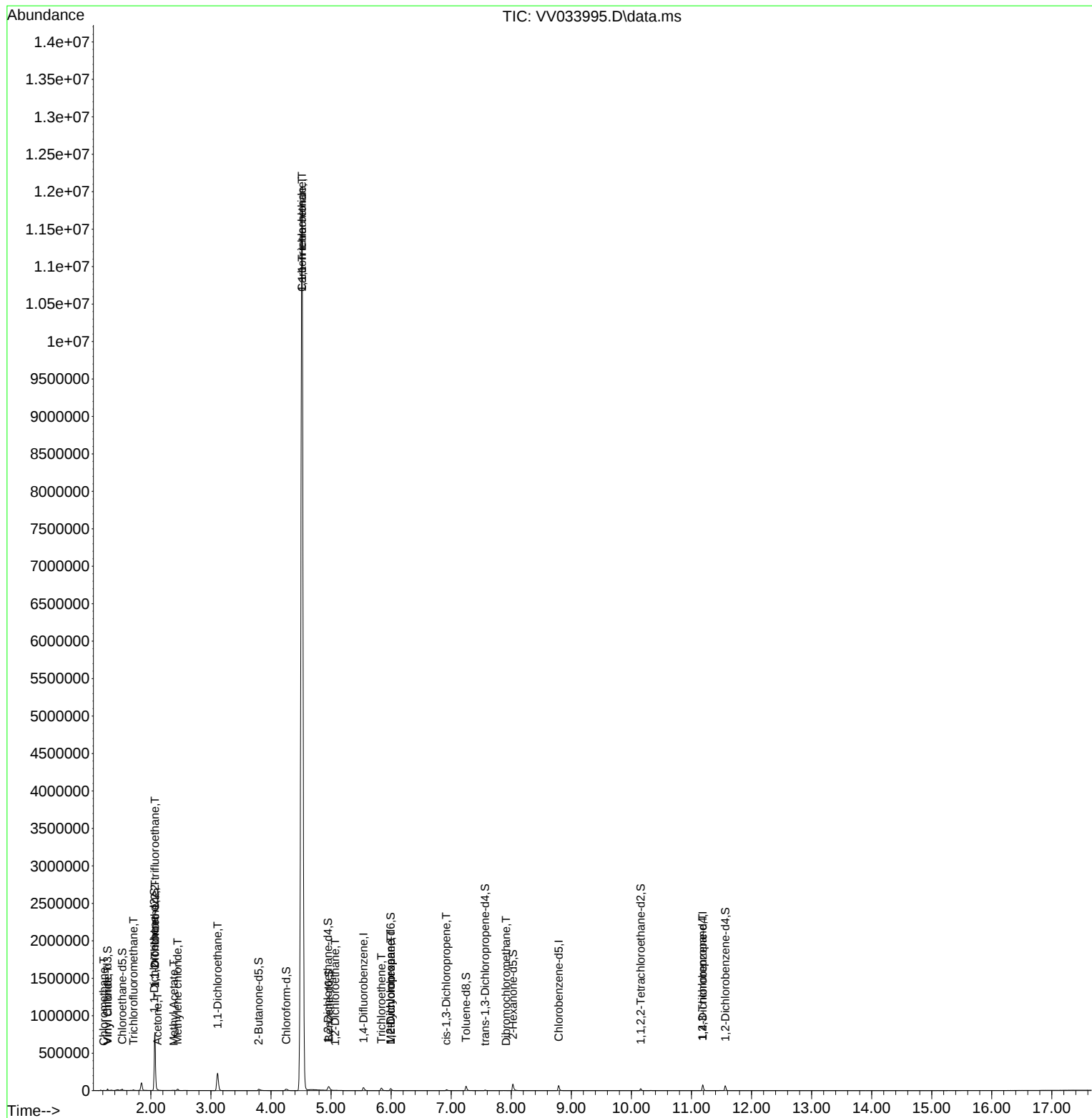
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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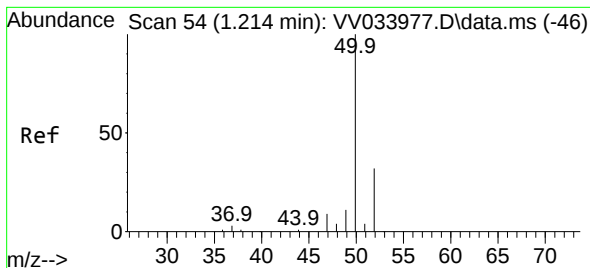
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.512 ug/L

RT: 1.214 min Scan# 54

Delta R.T. -0.000 min

Lab File: VV033995.D

Acq: 05 Feb 2024 18:02

Instrument :

MSVOA_V

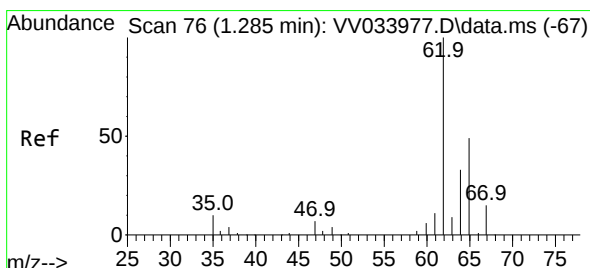
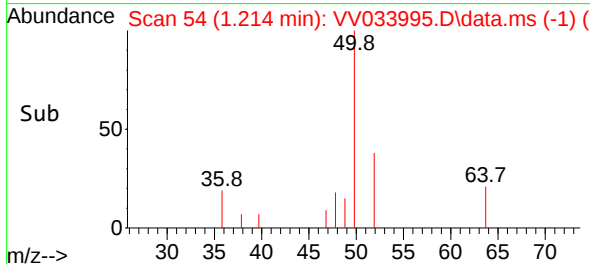
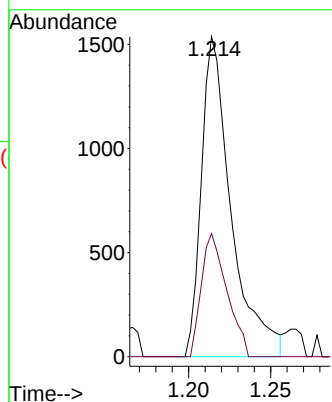
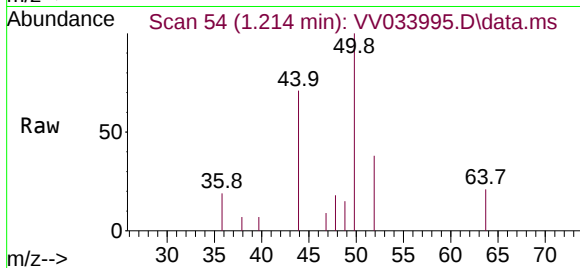
ClientSampleId :

Tgt Ion: 50 Resp: 1940

Ion Ratio Lower Upper

50 100

52 38.5 23.4 43.4



#5

Vinyl chloride

Concen: 0.121 ug/L

RT: 1.281 min Scan# 75

Delta R.T. -0.003 min

Lab File: VV033995.D

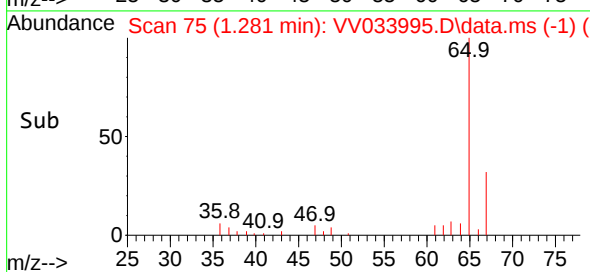
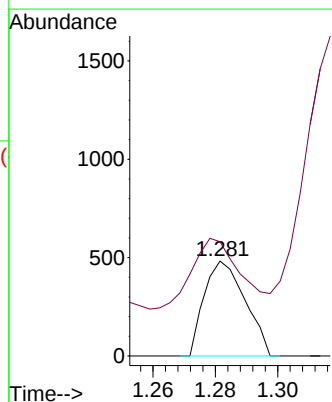
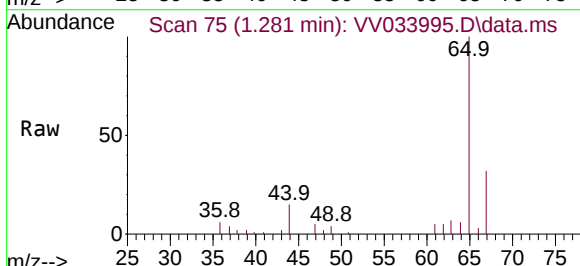
Acq: 05 Feb 2024 18:02

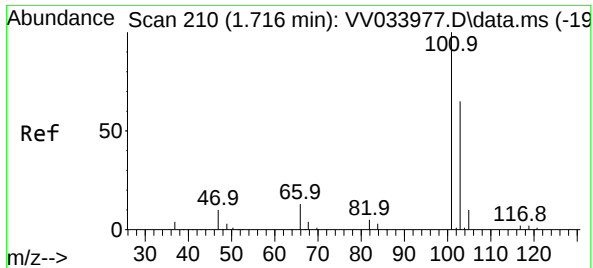
Tgt Ion: 62 Resp: 440

Ion Ratio Lower Upper

62 100

64 120.5 27.2 50.4#

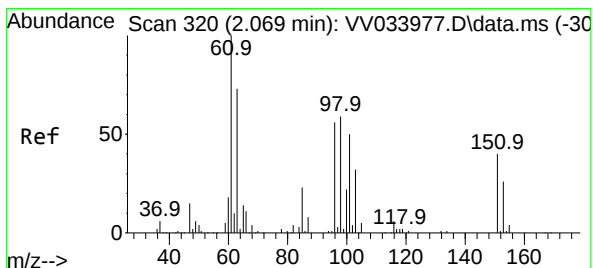
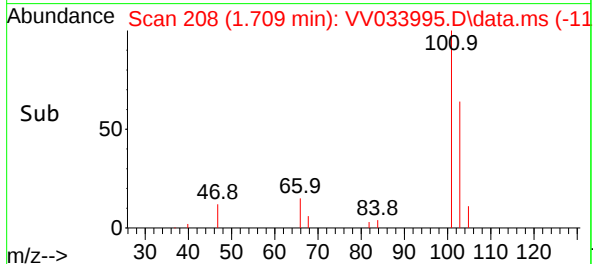
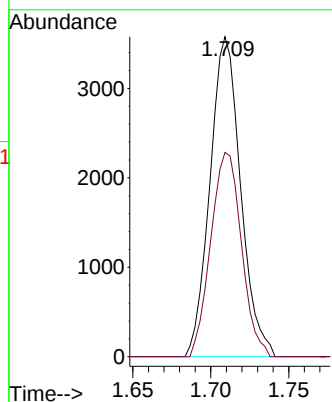
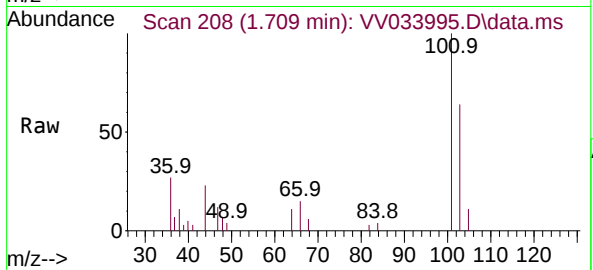




#9
 Trichlorofluoromethane
 Concen: 0.937 ug/L
 RT: 1.709 min Scan# 210
 Delta R.T. -0.006 min
 Lab File: VV033995.D
 Acq: 05 Feb 2024 18:02

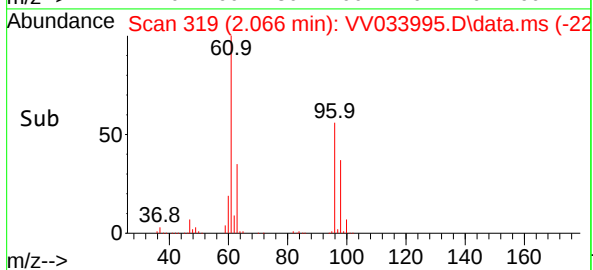
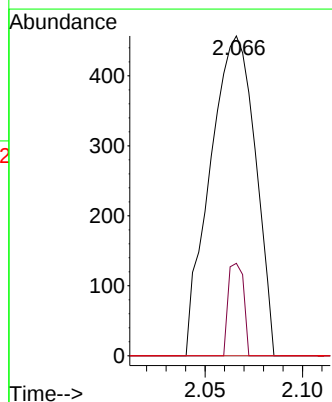
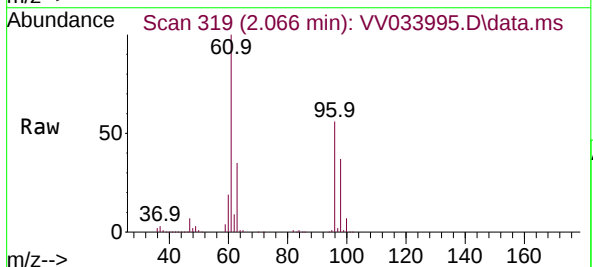
Instrument :
 MSVOA_V
 ClientSampleId :

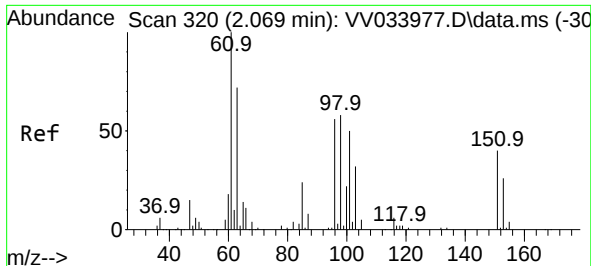
Tgt Ion:101 Resp: 4892
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.0 76.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.270 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.003 min
 Lab File: VV033995.D
 Acq: 05 Feb 2024 18:02

Tgt Ion:101 Resp: 737
 Ion Ratio Lower Upper
 101 100
 85 9.8 37.1 55.7#
 151 0.0 61.7 92.5#





#12

1,1-Dichloroethene

Concen: 81.278 ug/L

RT: 2.066 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033995.D

Acq: 05 Feb 2024 18:02

Instrument :

MSVOA_V

ClientSampleId :

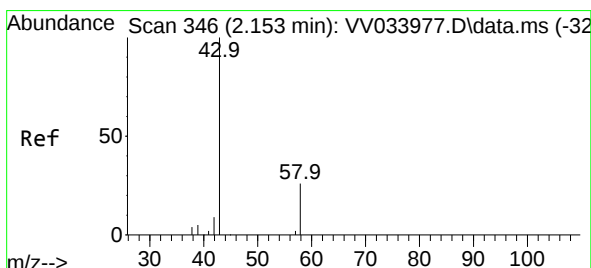
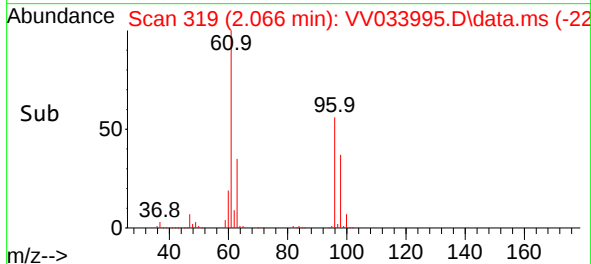
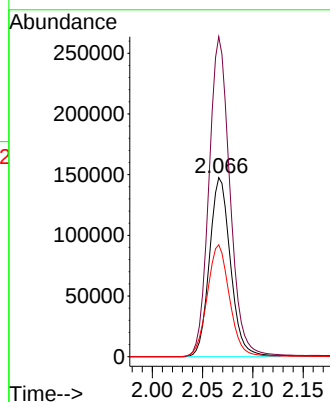
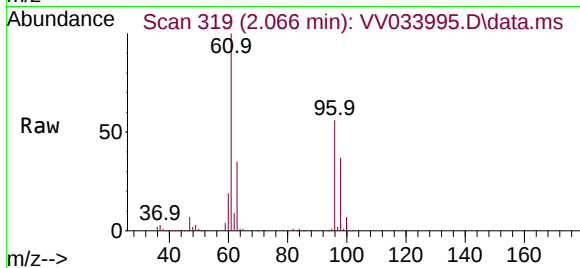
Tgt Ion: 96 Resp: 215333

Ion Ratio Lower Upper

96 100

61 178.7 128.8 239.2

63 62.5 97.9 181.9#



#13

Acetone

Concen: 9.497 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.042 min

Lab File: VV033995.D

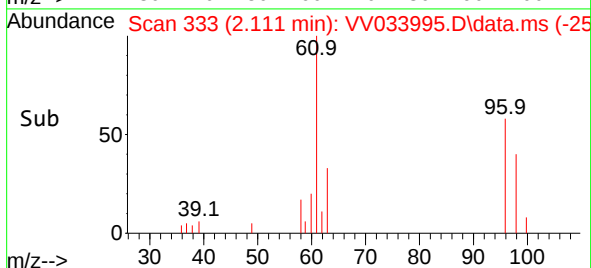
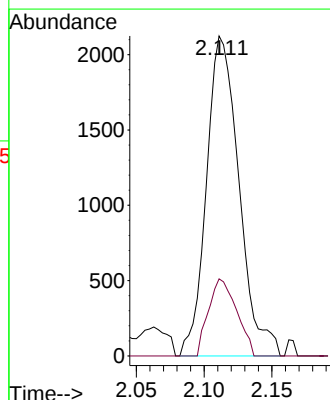
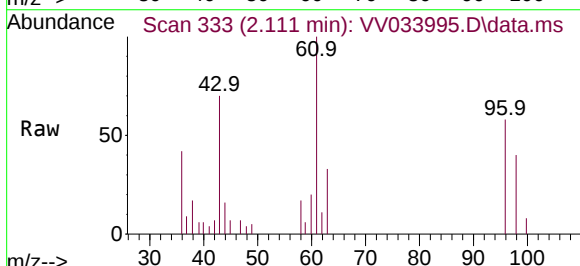
Acq: 05 Feb 2024 18:02

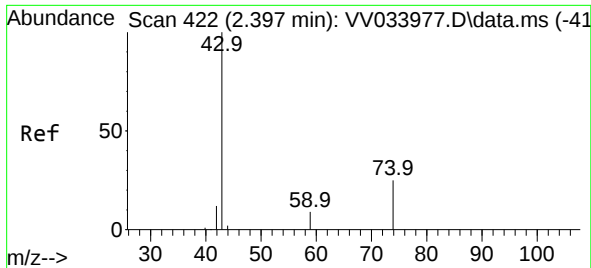
Tgt Ion: 43 Resp: 3554

Ion Ratio Lower Upper

43 100

58 20.7 0.0 13.8#

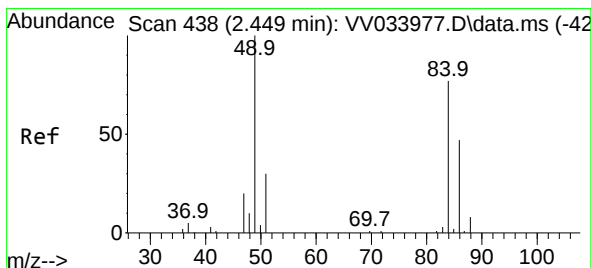
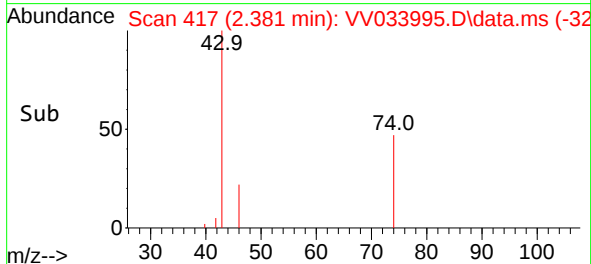
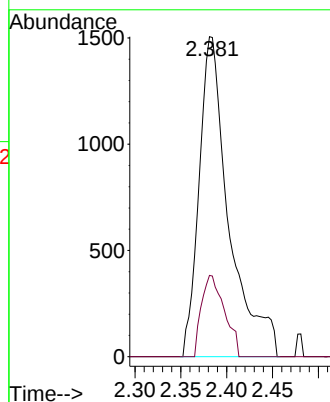
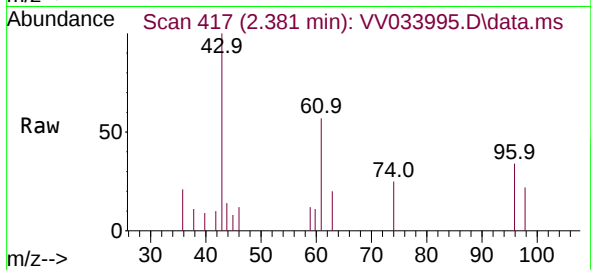




#15
Methyl Acetate
Concen: 3.857 ug/L
RT: 2.381 min Scan# 417
Delta R.T. -0.016 min
Lab File: VV033995.D
Acq: 05 Feb 2024 18:02

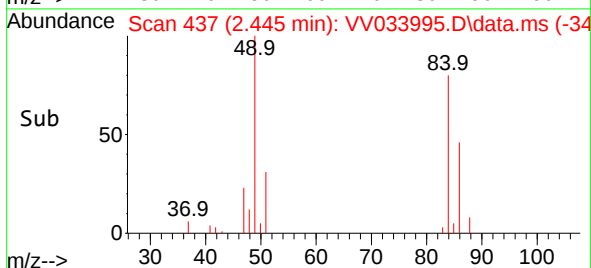
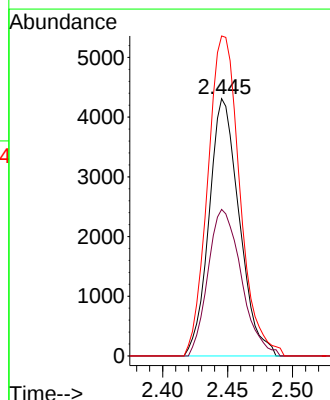
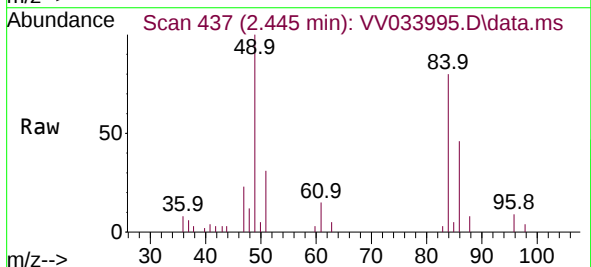
Instrument :
MSVOA_V
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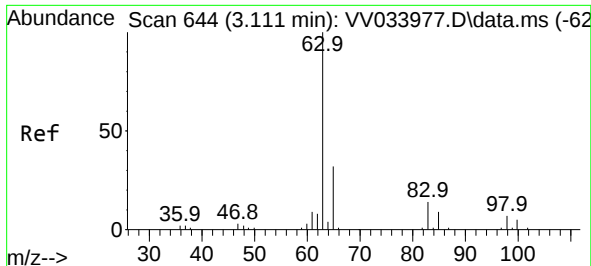
Tgt Ion: 43 Resp: 3416
Ion Ratio Lower Upper
43 100
74 19.4 18.2 27.4



#16
Methylene chloride
Concen: 2.745 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV033995.D
Acq: 05 Feb 2024 18:02

Tgt Ion: 84 Resp: 6978
Ion Ratio Lower Upper
84 100
86 56.9 44.7 83.1
49 124.4 93.7 173.9





#19

1,1-Dichloroethane

Concen: 46.564 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV033995.D

Acq: 05 Feb 2024 18:02

Instrument :

MSVOA_V

ClientSampleId :

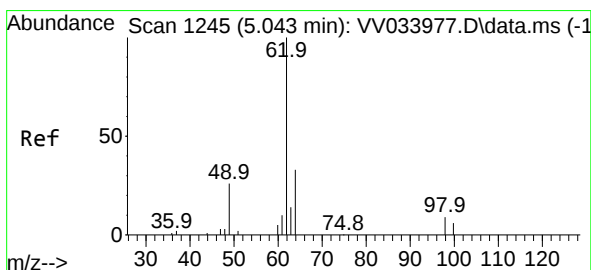
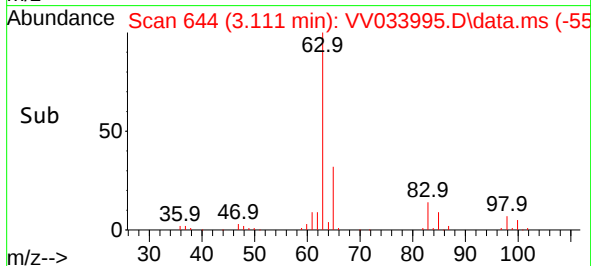
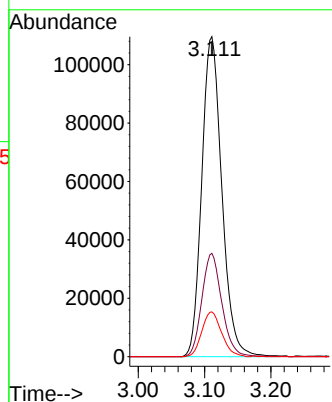
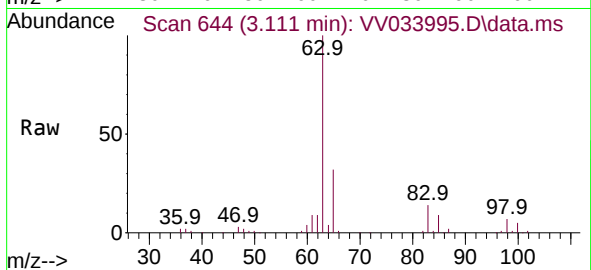
Tgt Ion: 63 Resp: 230882

Ion Ratio Lower Upper

63 100

65 32.3 20.8 38.6

83 14.0 9.4 17.4



#27

1,2-Dichloroethane

Concen: 0.313 ug/L

RT: 5.069 min Scan# 1253

Delta R.T. 0.026 min

Lab File: VV033995.D

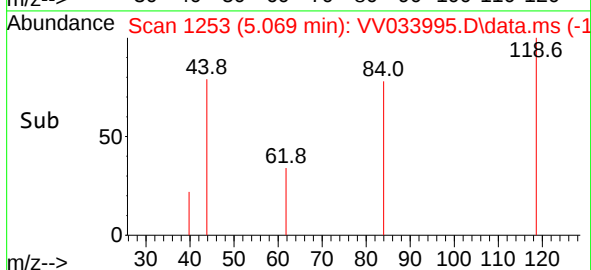
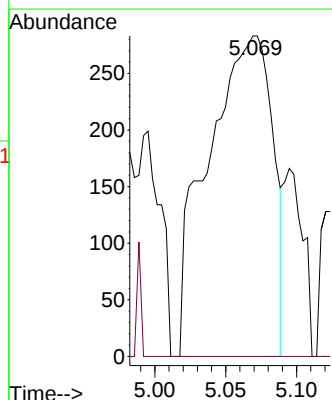
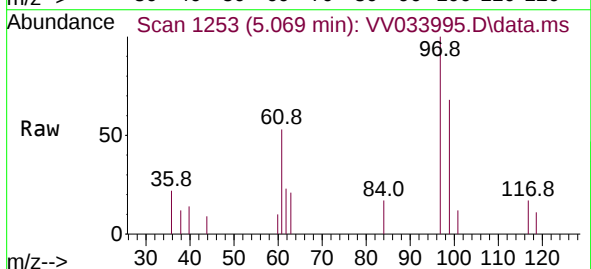
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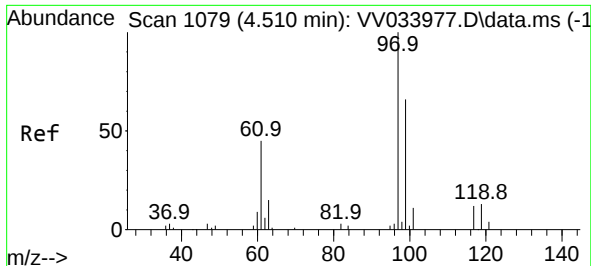
Tgt Ion: 62 Resp: 899

Ion Ratio Lower Upper

62 100

98 0.0 6.9 10.3#





#29

1,1,1-Trichloroethane

Concen: 1927.261 ug/L

RT: 4.516 min Scan# 1079

Delta R.T. 0.006 min

Lab File: VV033995.D

Acq: 05 Feb 2024 18:02

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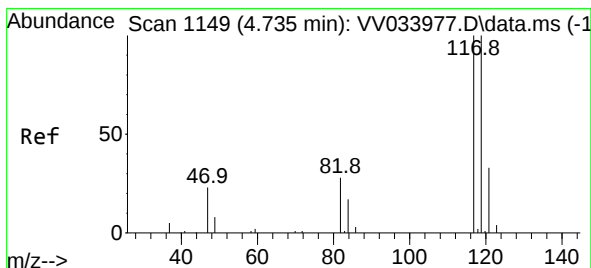
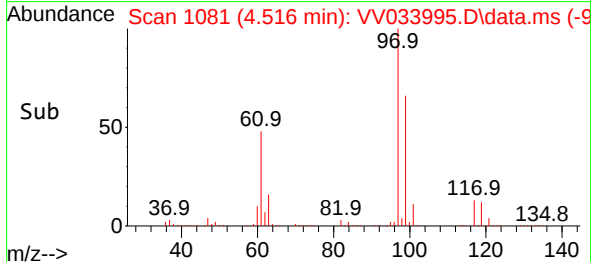
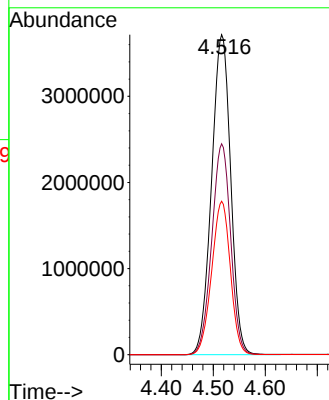
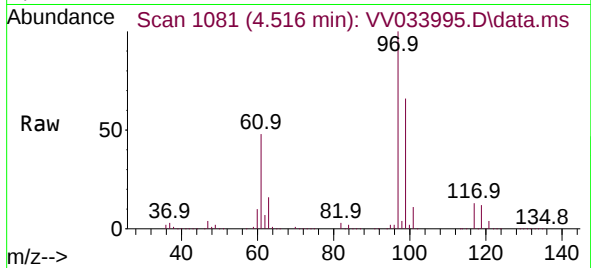
Tgt Ion: 97 Resp: 9488360

Ion Ratio Lower Upper

97 100

99 65.3 50.6 75.8

61 47.0 36.8 55.2



#31

Carbon tetrachloride

Concen: 273.602 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. -0.219 min

Lab File: VV033995.D

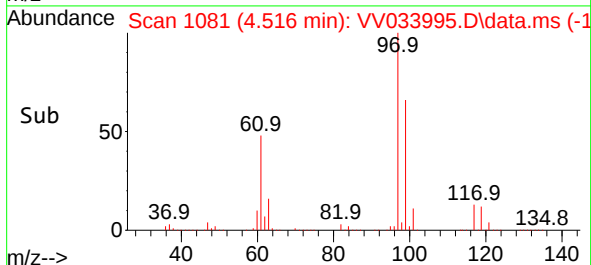
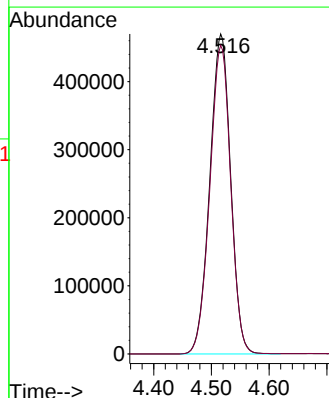
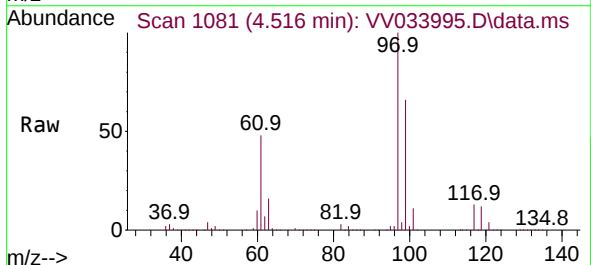
Acq: 05 Feb 2024 18:02

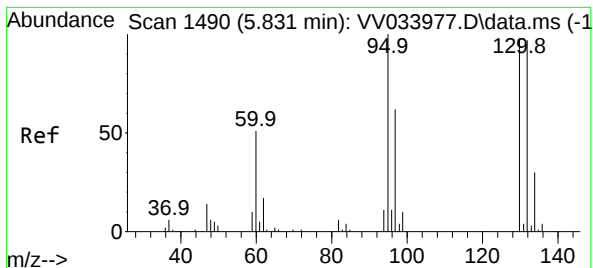
Tgt Ion: 117 Resp: 1178620

Ion Ratio Lower Upper

117 100

119 96.5 76.1 114.1





#34

Trichloroethene

Concen: 3.978 ug/L

RT: 5.838 min Scan# 14

Delta R.T. 0.006 min

Lab File: VV033995.D

Acq: 05 Feb 2024 18:02

Instrument :

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Tgt Ion: 95 Resp: 12663

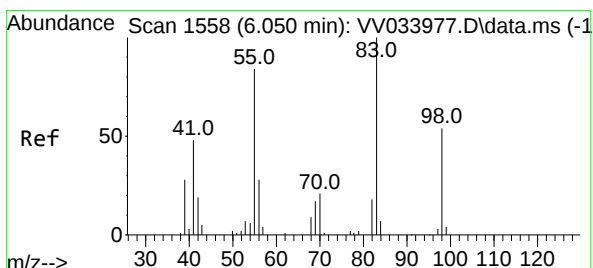
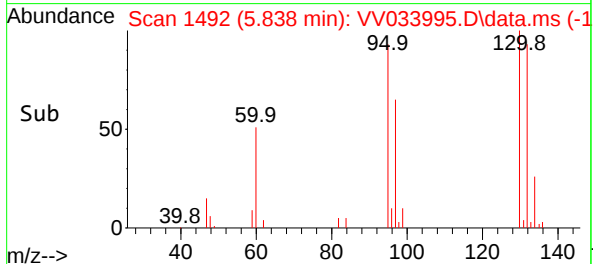
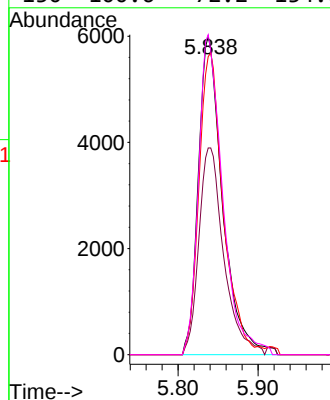
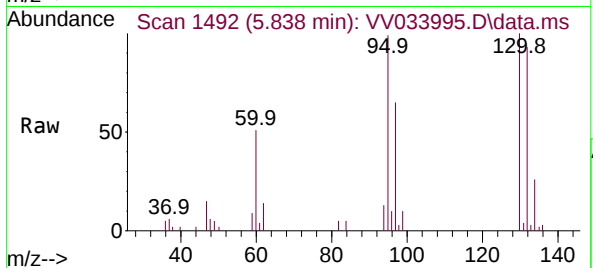
Ion Ratio Lower Upper

95 100

97 65.0 45.1 83.7

132 93.7 66.0 122.6

130 100.6 72.2 134.0



#35

Methylcyclohexane

Concen: 0.589 ug/L

RT: 5.992 min Scan# 1540

Delta R.T. -0.058 min

Lab File: VV033995.D

Acq: 05 Feb 2024 18:02

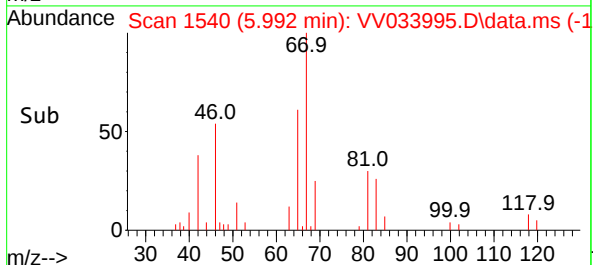
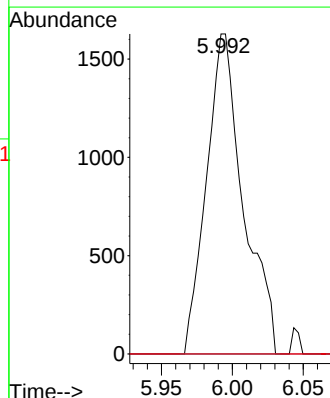
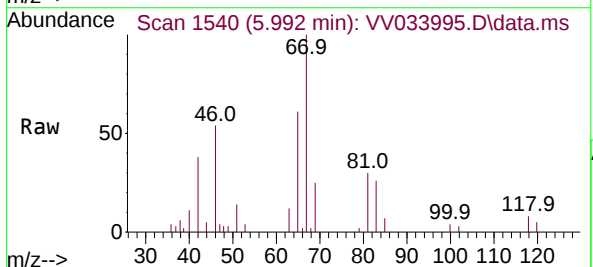
Tgt Ion: 83 Resp: 2945

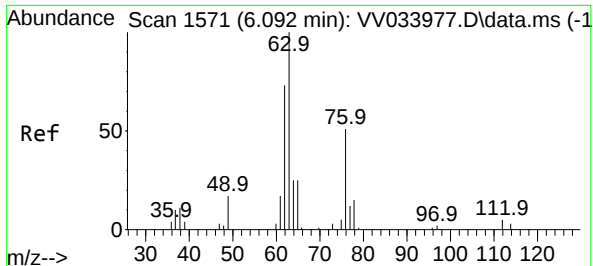
Ion Ratio Lower Upper

83 100

55 0.0 63.5 95.3#

98 3.4 39.0 58.4#





#37

1,2-Dichloropropane

Concen: 0.604 ug/L

RT: 5.992 min Scan# 1

Delta R.T. -0.100 min

Lab File: VV033995.D

Acq: 05 Feb 2024 18:02

Instrument :

MSVOA_V

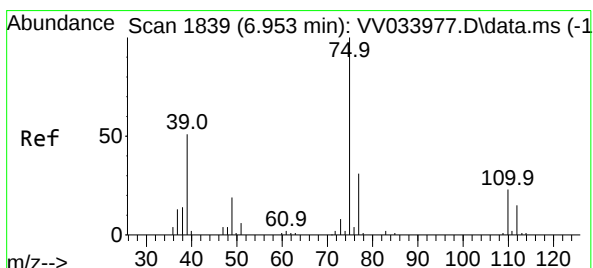
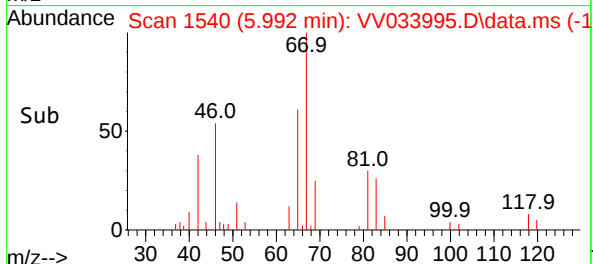
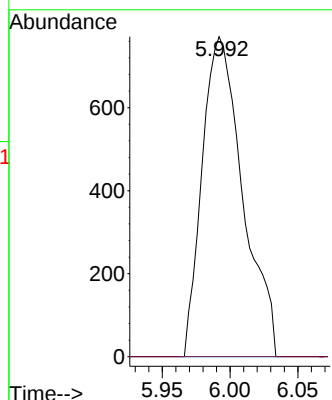
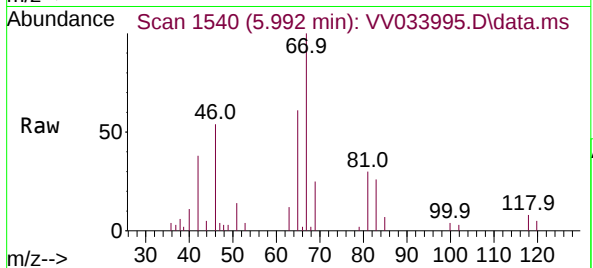
ClientSampleId :

Tgt Ion: 63 Resp: 1610

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#



#39

cis-1,3-Dichloropropene

Concen: 0.062 ug/L

RT: 6.918 min Scan# 1828

Delta R.T. -0.035 min

Lab File: VV033995.D

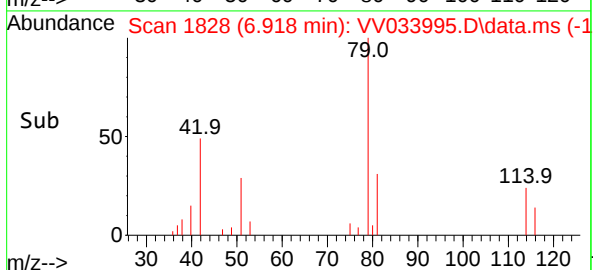
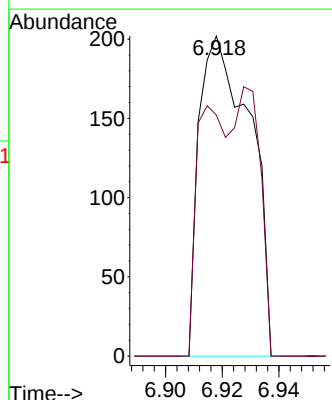
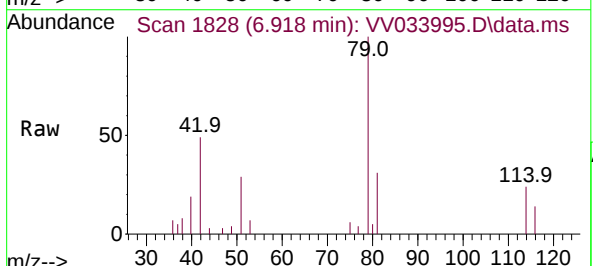
Acq: 05 Feb 2024 18:02

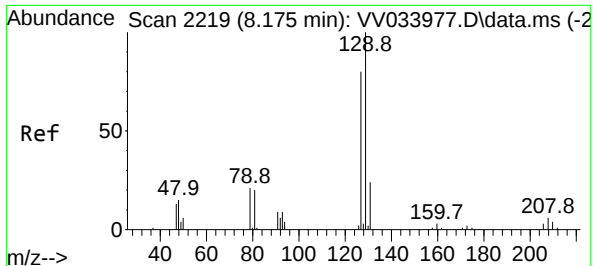
Tgt Ion: 75 Resp: 252

Ion Ratio Lower Upper

75 100

77 75.2 22.9 42.5#





#49

Dibromochloromethane

Concen: 0.071 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. -0.261 min

Lab File: VV033995.D

Acq: 05 Feb 2024 18:02

Instrument :

MSVOA_V

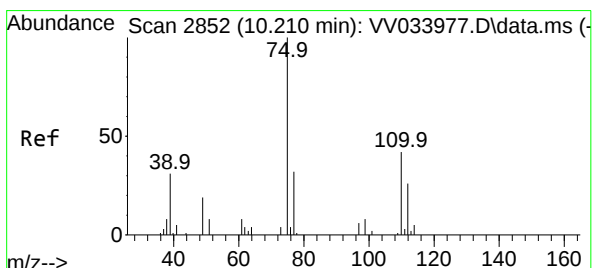
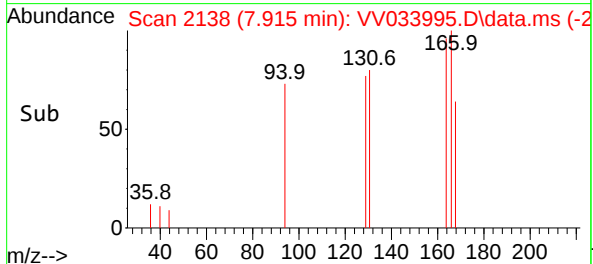
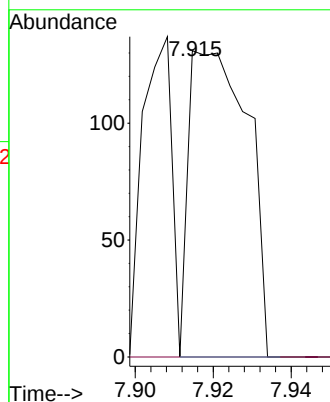
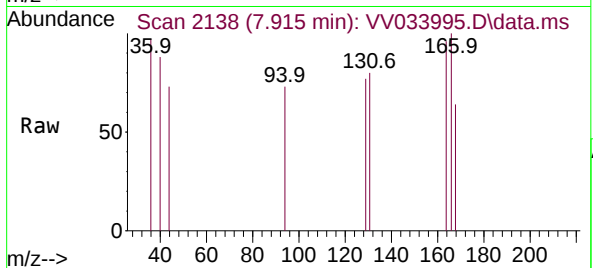
ClientSampleId :

Tgt Ion:129 Resp: 138

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#



#61

1,2,3-Trichloropropane

Concen: 1.992 ug/L

RT: 11.185 min Scan# 3155

Delta R.T. 0.974 min

Lab File: VV033995.D

Acq: 05 Feb 2024 18:02

Tgt Ion: 75 Resp: 2708

Ion Ratio Lower Upper

75 100

77 35.7 26.9 40.3

110 0.0 33.3 49.9#

