

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111922\
 Data File : VU051955.D
 Acq On : 19 Nov 2022 15:14
 Operator : JC/MD
 Sample : N5693-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBN93

Quant Time: Nov 19 21:44:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 19 21:39:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	228789	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	233283	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	90728	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	104530	4.697	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.000%
7) Chloroethane-d5	1.912	69	83725	4.844	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.565	65	37541	4.706	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.200%
20) 2-Butanone-d5	4.620	46	208682	51.732	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.460%
24) Chloroform-d	5.063	84	158337	4.842	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	5.700	65	82319	4.984	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	5.726	84	337556	4.874	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
36) 1,2-Dichloropropane-d6	6.690	67	108620	5.068	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.400%
41) Toluene-d8	7.896	98	276653	4.415	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.400%
43) trans-1,3-Dichloroprop...	8.179	79	36190	4.633	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.600%
46) 2-Hexanone-d5	8.629	63	168757	50.984	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.960%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	89591	4.821	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	90772	5.226	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	30537	1.227	ug/L	86
8) Chloroethane	1.671	64	39751	2.569	ug/L #	59
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1440	0.086	ug/L #	20
12) 1,1-Dichloroethene	2.581	96	19302	1.163	ug/L #	19
13) Acetone	2.620	43	245791	89.729	ug/L	100
15) Methyl Acetate	3.051	43	4020	0.566	ug/L #	48
16) Methylene chloride	3.044	84	58870	2.622	ug/L	96
18) trans-1,2-Dichloroethene	3.353	96	120620	6.780	ug/L	99
19) 1,1-Dichloroethane	3.870	63	34390	1.073	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	11050482	591.830	ug/L	96
25) Chloroform	5.089	83	24633	0.758	ug/L	96
29) 1,1,1-Trichloroethane	5.314	97	222798	8.608	ug/L	99
31) Carbon tetrachloride	5.523	117	7419	0.337	ug/L	98
33) Benzene	5.774	78	14465	0.191	ug/L	100
35) Methylcyclohexane	6.690	83	25118	0.922	ug/L #	19
37) 1,2-Dichloropropane	6.690	63	11383	0.579	ug/L #	88
39) cis-1,3-Dichloropropene	7.565	75	2281	0.090	ug/L #	61
45) 1,1,2-Trichloroethane	8.401	97	3311	0.224	ug/L	99
47) Tetrachloroethene	8.552	164	627720	43.253	ug/L	99

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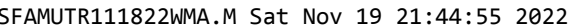
Instrument :
 MSVOA_U
 ClientSampleId :
 GBN93

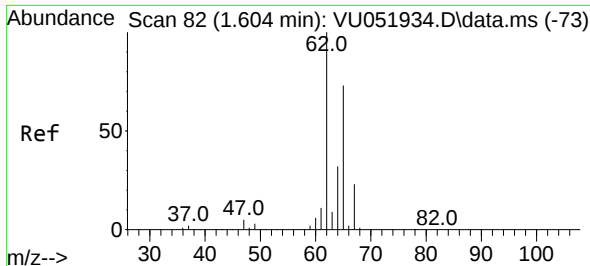
Quant Time: Nov 19 21:44:47 2022
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.552	129	599657	36.246	ug/L #	12
61) 1,2,3-Trichloropropane	11.809	75	10669	1.027	ug/L #	66
67) 1,2-Dichlorobenzene	12.208	146	3750	0.134	ug/L #	92

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

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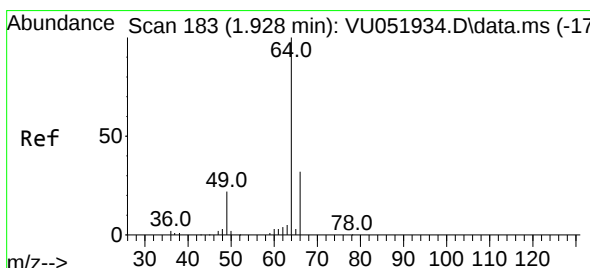
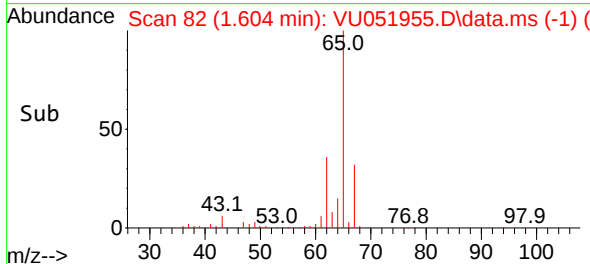
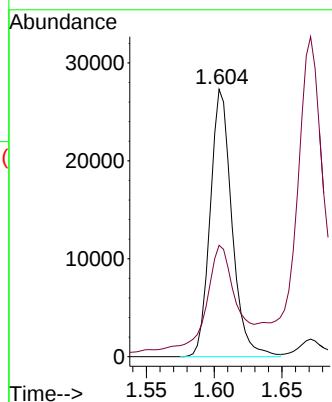
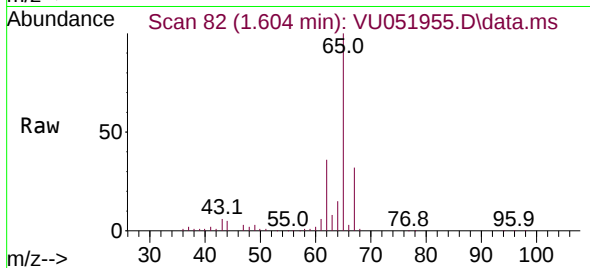




#5
 Vinyl chloride
 Concen: 1.227 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051955.D
 Acq: 19 Nov 2022 15:14

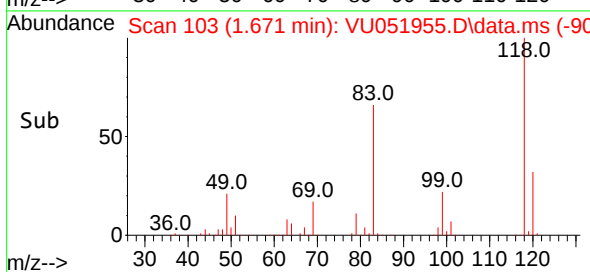
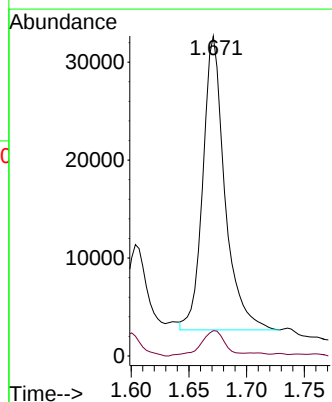
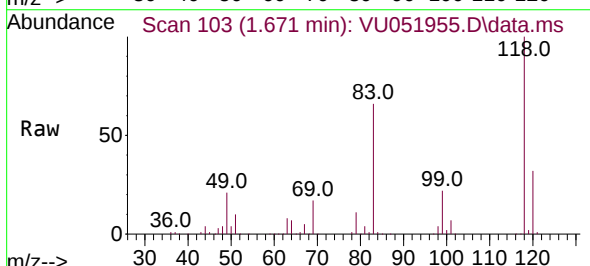
Instrument :
 MSVOA_U
 ClientSampleId :
 GBN93

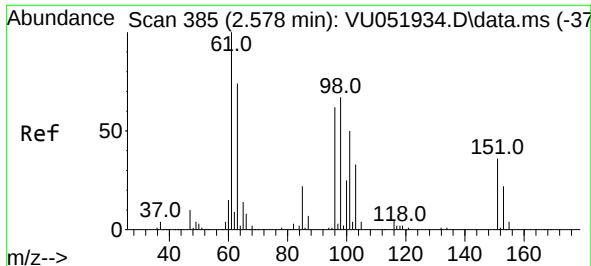
Tgt Ion: 62 Resp: 30537
 Ion Ratio Lower Upper
 62 100
 64 41.7 23.5 43.7



#8
 Chloroethane
 Concen: 2.569 ug/L
 RT: 1.671 min Scan# 103
 Delta R.T. -0.257 min
 Lab File: VU051955.D
 Acq: 19 Nov 2022 15:14

Tgt Ion: 64 Resp: 39751
 Ion Ratio Lower Upper
 64 100
 66 7.9 21.1 39.1#

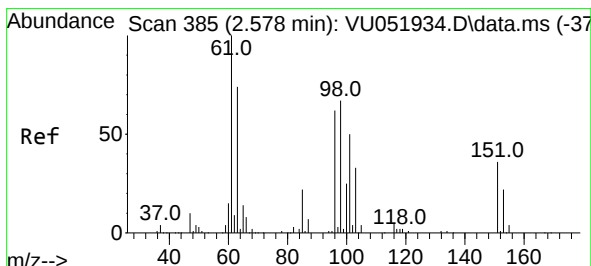
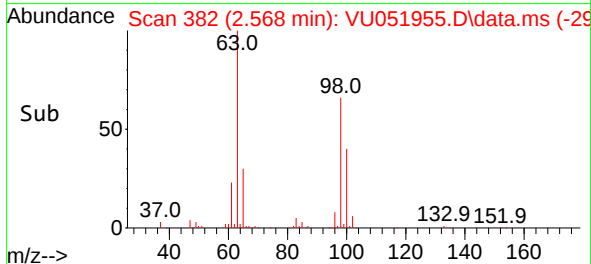
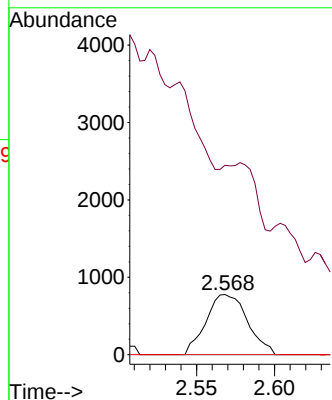
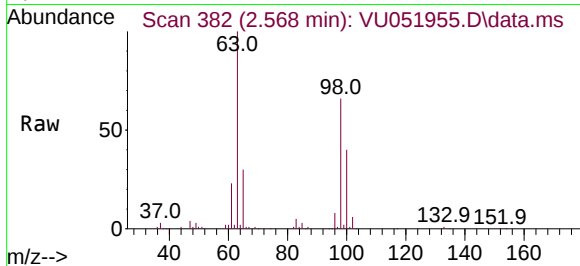




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.086 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.010 min
 Lab File: VU051955.D
 Acq: 19 Nov 2022 15:14

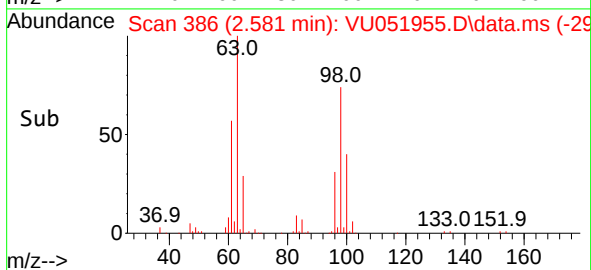
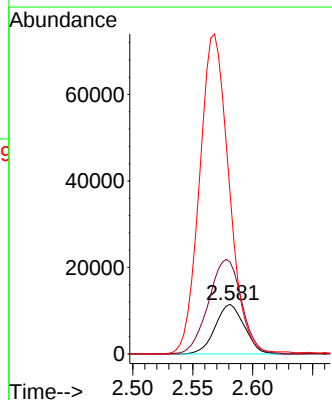
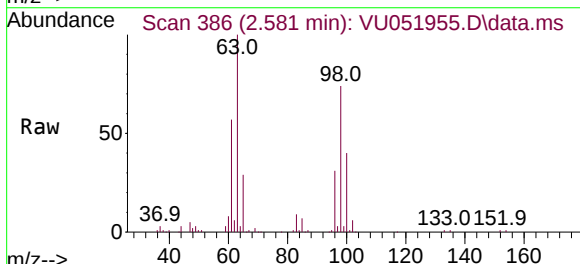
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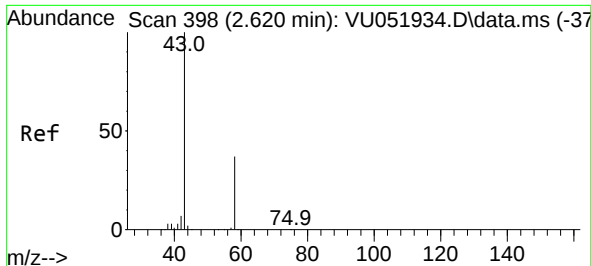
Tgt Ion:101 Resp: 1440
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.8 50.6#
 151 0.0 58.6 88.0#



#12
 1,1-Dichloroethene
 Concen: 1.163 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU051955.D
 Acq: 19 Nov 2022 15:14

Tgt Ion: 96 Resp: 19302
 Ion Ratio Lower Upper
 96 100
 61 185.4 114.8 213.2
 63 323.2 93.7 174.1#





#13

Acetone

Concen: 89.729 ug/L

RT: 2.620 min Scan# 398

Delta R.T. -0.000 min

Lab File: VU051955.D

Acq: 19 Nov 2022 15:14

Instrument :

MSVOA_U

ClientSampleId :

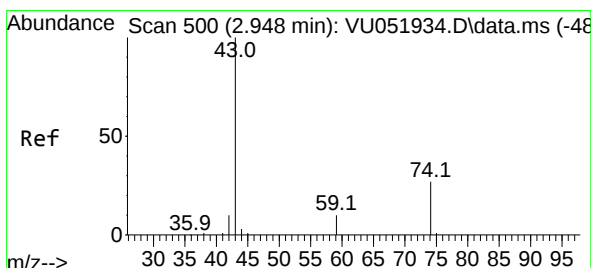
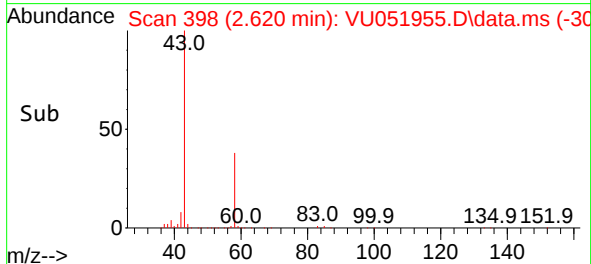
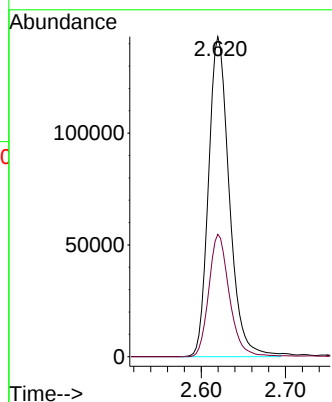
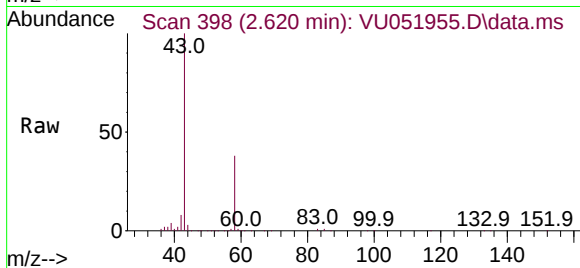
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Tgt Ion: 43 Resp: 245791

Ion Ratio Lower Upper

43 100

58 37.8 0.0 76.0



#15

Methyl Acetate

Concen: 0.566 ug/L

RT: 3.051 min Scan# 532

Delta R.T. 0.103 min

Lab File: VU051955.D

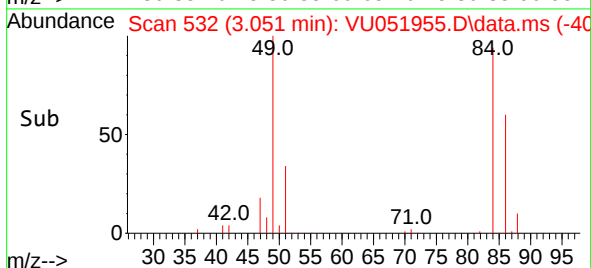
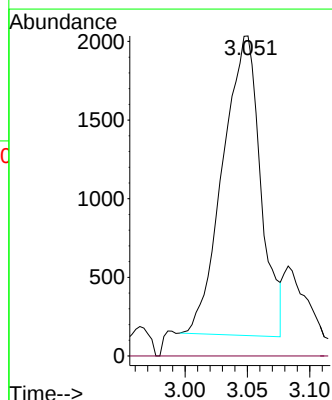
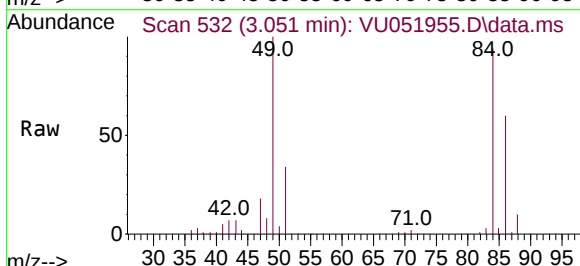
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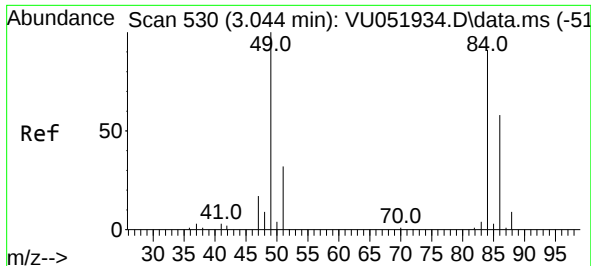
Tgt Ion: 43 Resp: 4020

Ion Ratio Lower Upper

43 100

74 0.0 21.3 31.9#

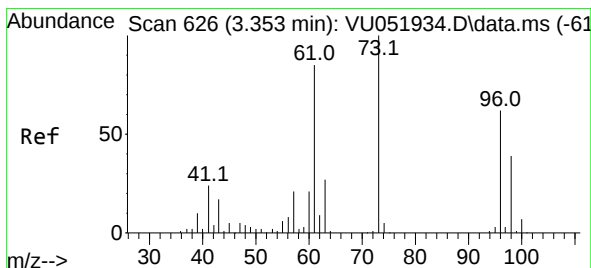
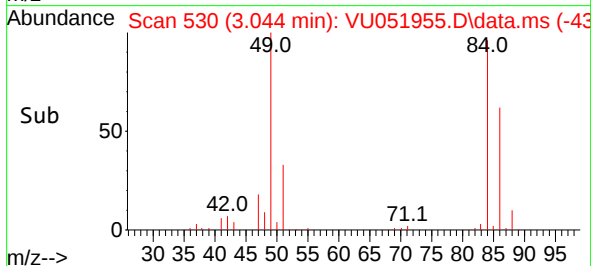
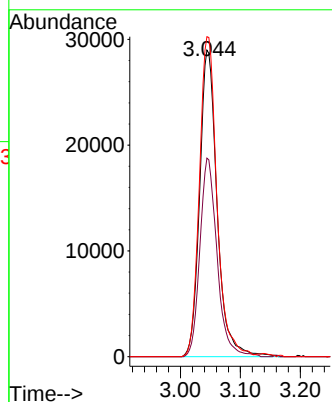
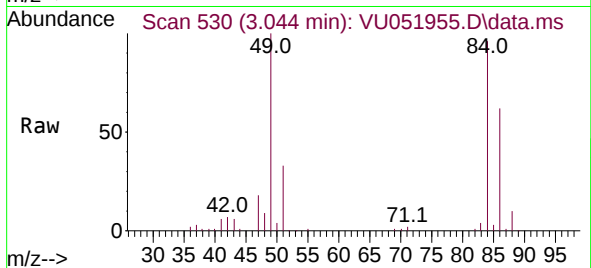




#16
Methylene chloride
Concen: 2.622 ug/L
RT: 3.044 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU051955.D
Acq: 19 Nov 2022 15:14

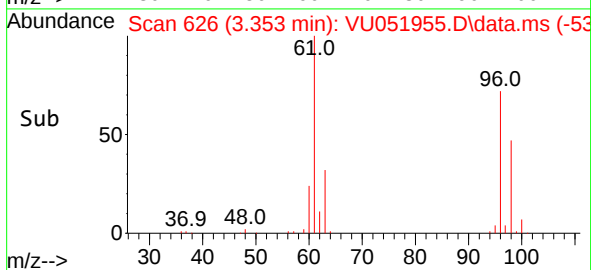
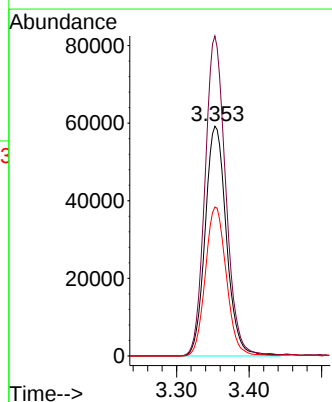
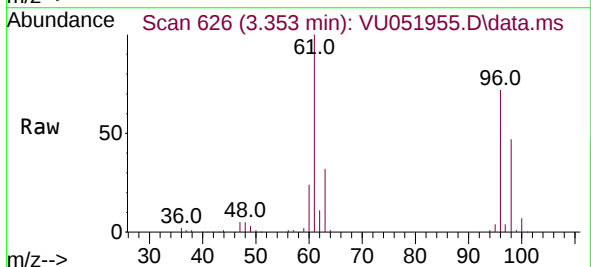
Instrument :
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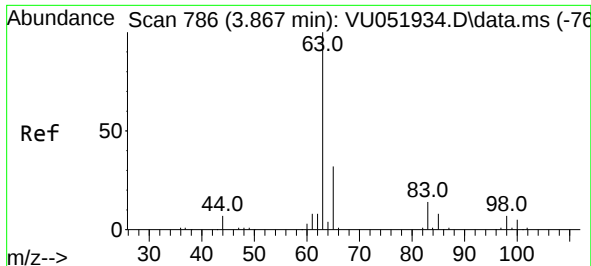
Tgt Ion: 84 Resp: 58870
Ion Ratio Lower Upper
84 100
86 64.8 43.8 81.4
49 104.4 75.9 141.1



#18
trans-1,2-Dichloroethene
Concen: 6.780 ug/L
RT: 3.353 min Scan# 626
Delta R.T. -0.000 min
Lab File: VU051955.D
Acq: 19 Nov 2022 15:14

Tgt Ion: 96 Resp: 120620
Ion Ratio Lower Upper
96 100
61 139.2 97.9 181.7
98 64.8 43.8 81.3





#19

1,1-Dichloroethane

Concen: 1.073 ug/L

RT: 3.870 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU051955.D

Acq: 19 Nov 2022 15:14

Instrument :

MSVOA_U

ClientSampleId :

GBN93

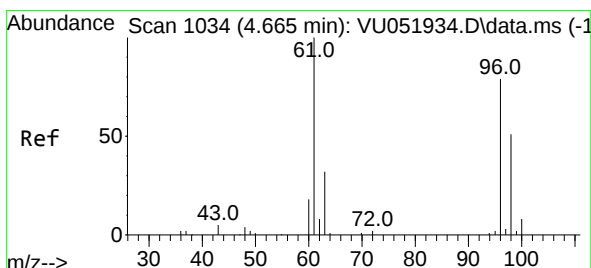
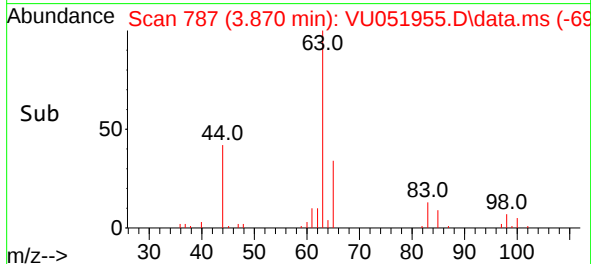
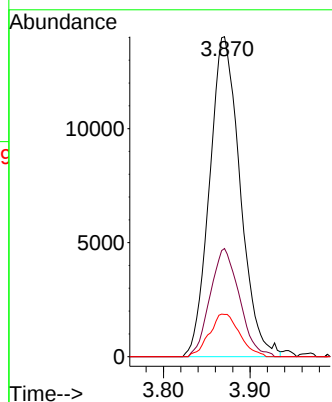
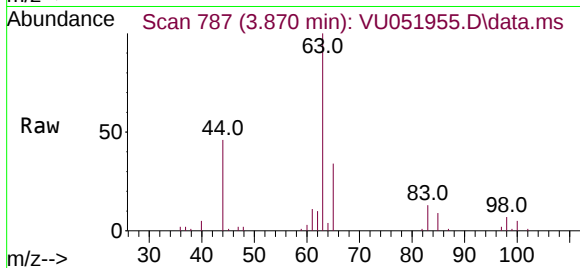
Tgt Ion: 63 Resp: 34390

Ion Ratio Lower Upper

63 100

65 33.8 22.2 41.2

83 13.2 9.2 17.0



#22

cis-1,2-Dichloroethene

Concen: 591.830 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU051955.D

Acq: 19 Nov 2022 15:14

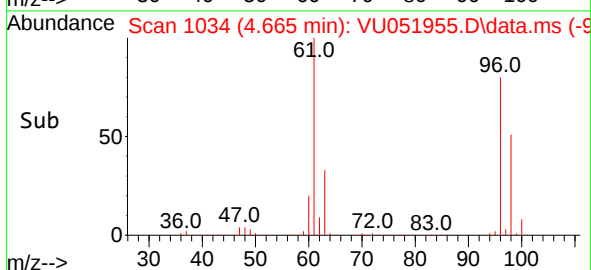
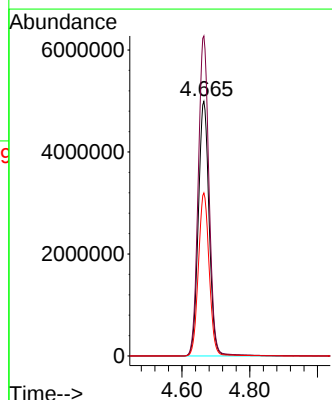
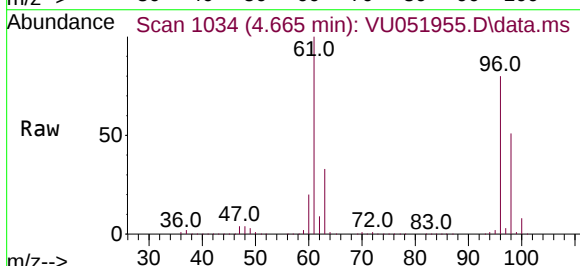
Tgt Ion: 96 Resp:11050482

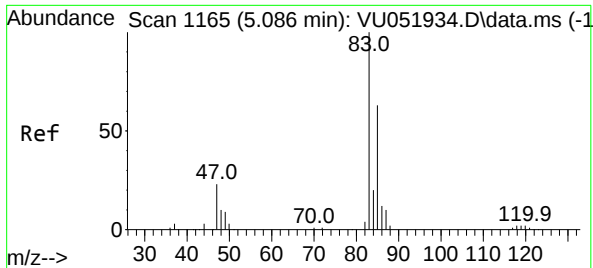
Ion Ratio Lower Upper

96 100

61 125.7 85.1 158.1

98 64.0 42.8 79.6





#25

Chloroform

Concen: 0.758 ug/L

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU051955.D

Acq: 19 Nov 2022 15:14

Instrument :

MSVOA_U

ClientSampleId :

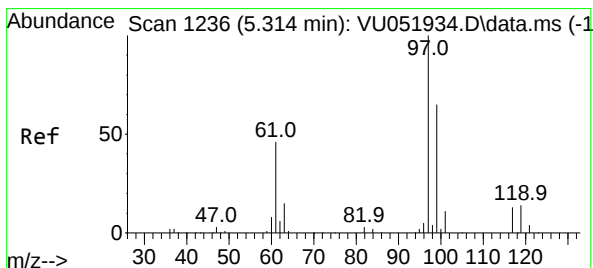
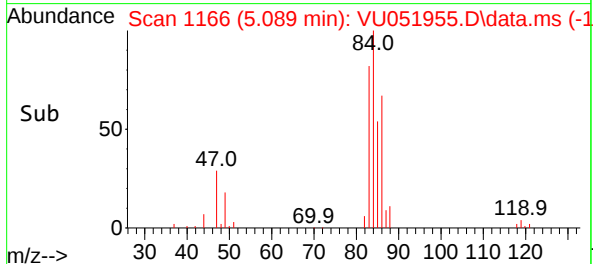
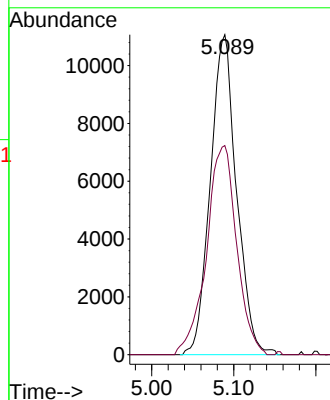
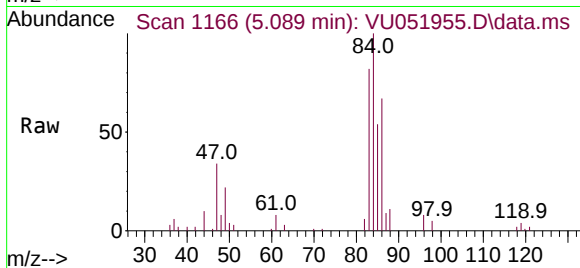
GBN93

Tgt Ion: 83 Resp: 24633

Ion Ratio Lower Upper

83 100

85 65.4 43.8 81.4



#29

1,1,1-Trichloroethane

Concen: 8.608 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU051955.D

Acq: 19 Nov 2022 15:14

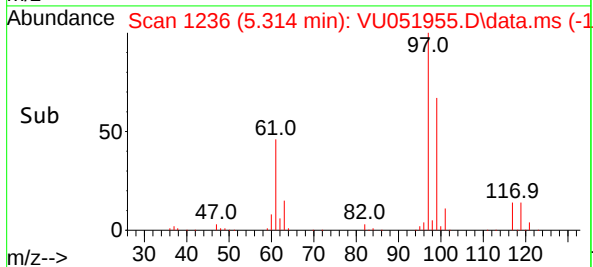
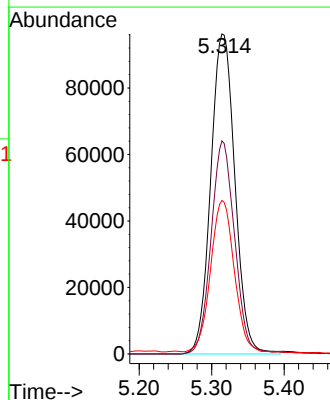
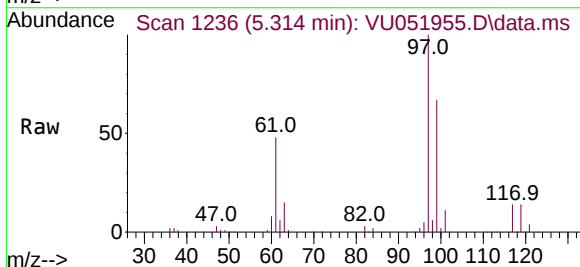
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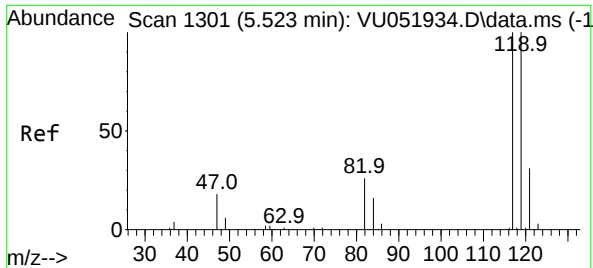
Ion Ratio Lower Upper

97 100

99 64.9 51.0 76.6

61 46.2 36.9 55.3

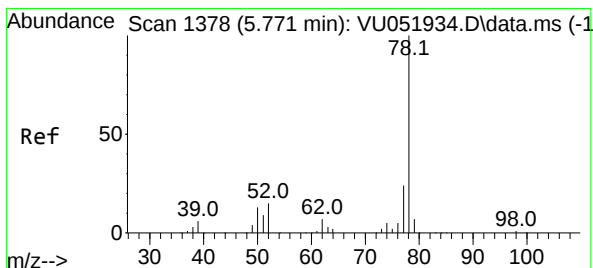
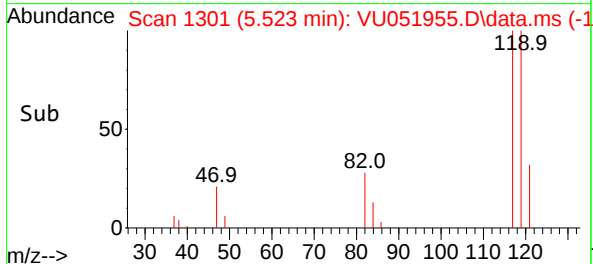
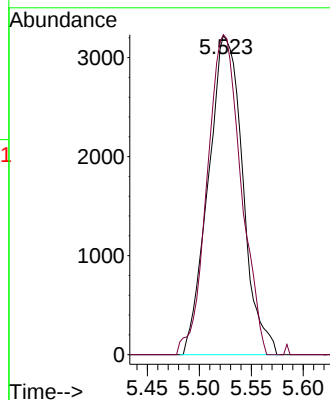
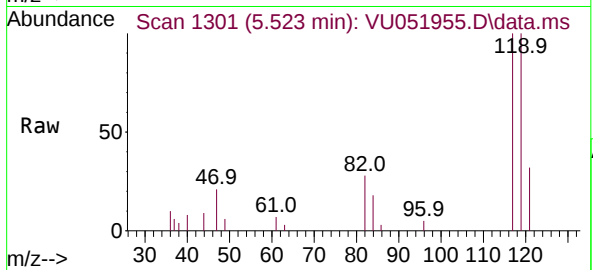




#31
Carbon tetrachloride
Concen: 0.337 ug/L
RT: 5.523 min Scan# 111
Delta R.T. -0.000 min
Lab File: VU051955.D
Acq: 19 Nov 2022 15:14

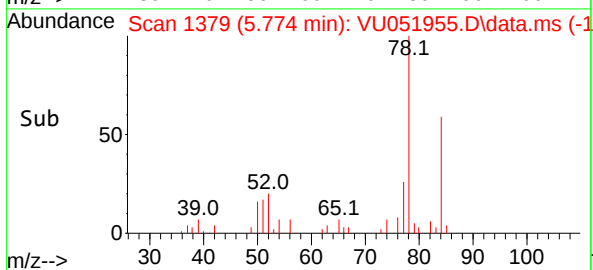
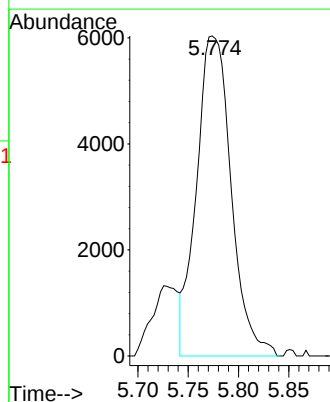
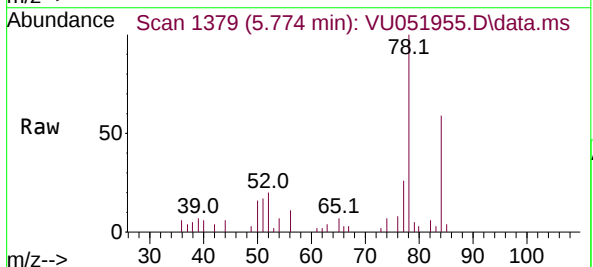
Instrument :
MSVOA_U
ClientSampleId :
GBN93

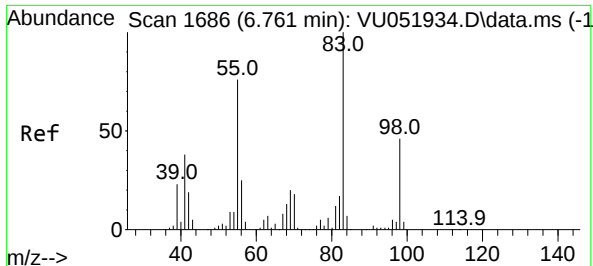
Tgt Ion:117 Resp: 7419
Ion Ratio Lower Upper
117 100
119 98.4 77.2 115.8



#33
Benzene
Concen: 0.191 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU051955.D
Acq: 19 Nov 2022 15:14

Tgt Ion: 78 Resp: 14465





#35

Methylcyclohexane

Concen: 0.922 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU051955.D

Acq: 19 Nov 2022 15:14

Instrument :

MSVOA_U

ClientSampleId :

GBN93

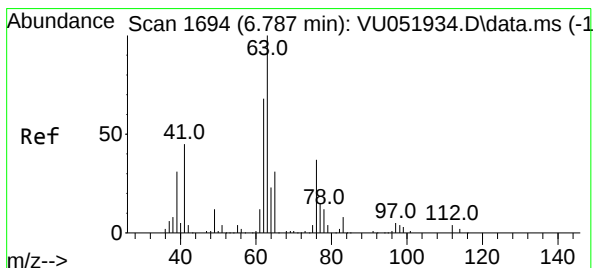
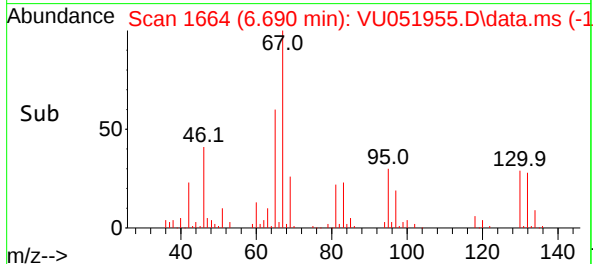
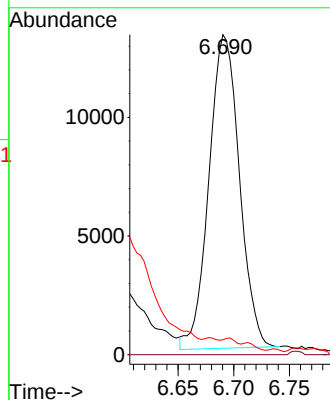
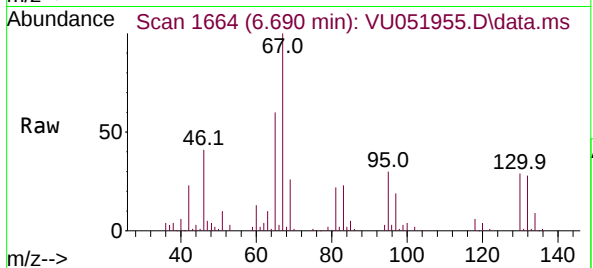
Tgt Ion: 83 Resp: 25118

Ion Ratio Lower Upper

83 100

55 0.4 60.8 91.2#

98 0.0 35.1 52.7#



#37

1,2-Dichloropropane

Concen: 0.579 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.097 min

Lab File: VU051955.D

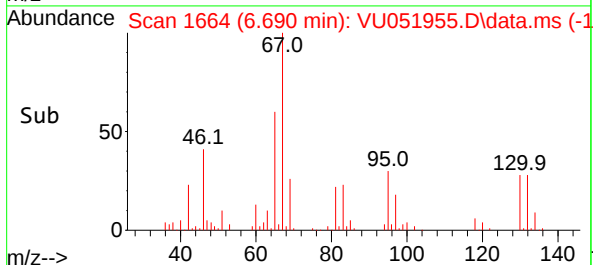
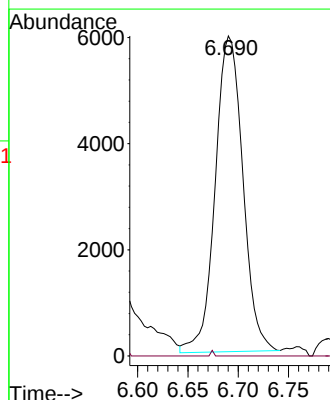
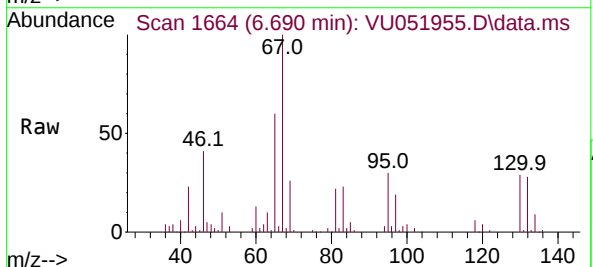
Acq: 19 Nov 2022 15:14

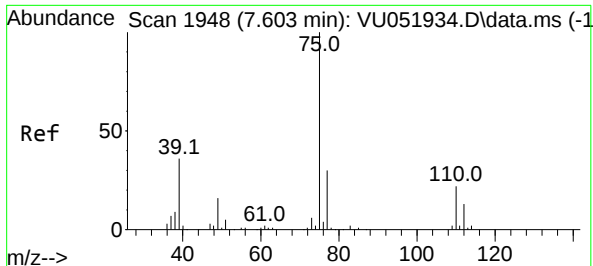
Tgt Ion: 63 Resp: 11383

Ion Ratio Lower Upper

63 100

112 0.2 3.3 4.9#





#39

cis-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.039 min

Lab File: VU051955.D

Acq: 19 Nov 2022 15:14

Instrument :

MSVOA_U

ClientSampleId :

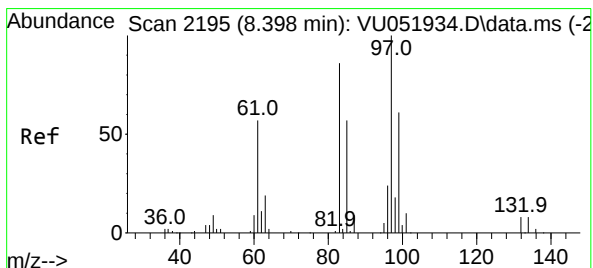
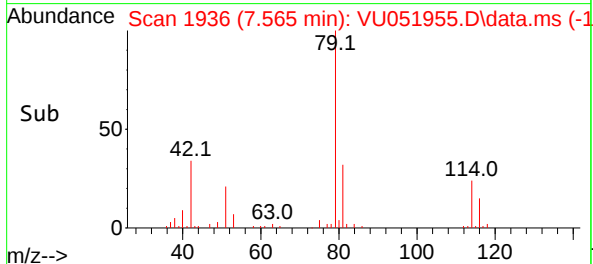
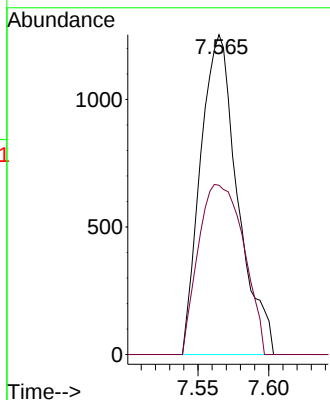
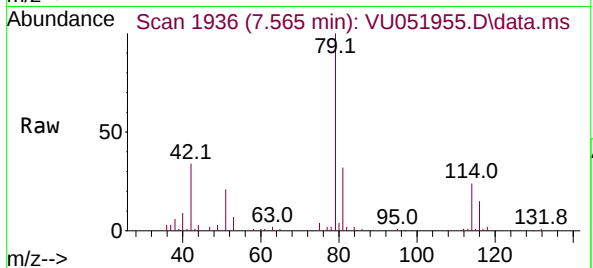
GBN93

Tgt Ion: 75 Resp: 2281

Ion Ratio Lower Upper

75 100

77 53.0 22.0 40.8#



#45

1,1,2-Trichloroethane

Concen: 0.224 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. 0.003 min

Lab File: VU051955.D

Acq: 19 Nov 2022 15:14

Tgt Ion: 97 Resp: 3311

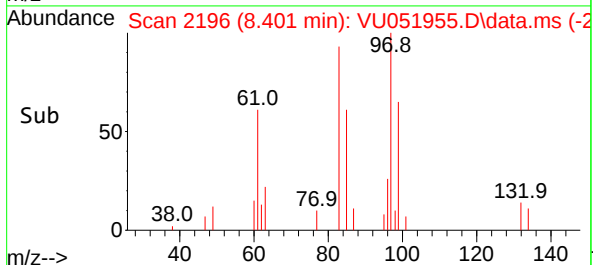
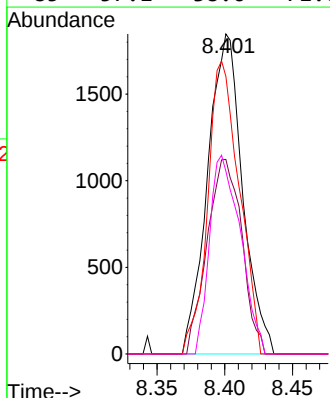
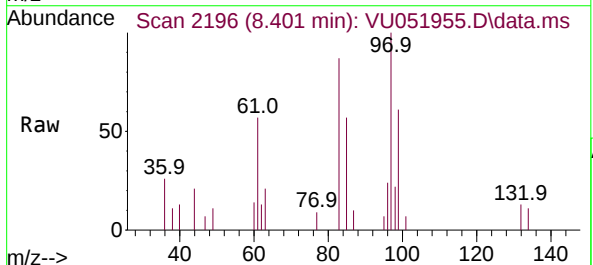
Ion Ratio Lower Upper

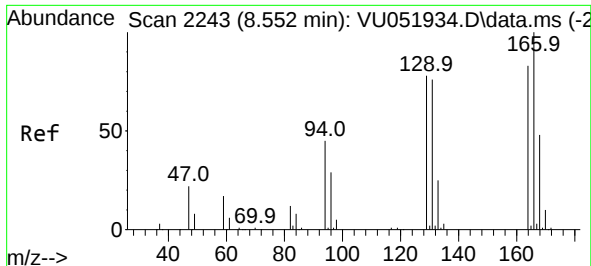
97 100

99 60.8 42.6 79.2

83 86.7 60.7 112.7

85 57.1 38.6 71.6





#47

Tetrachloroethene

Concen: 43.253 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU051955.D

Acq: 19 Nov 2022 15:14

Instrument :

MSVOA_U

ClientSampleId :

GBN93

Tgt Ion:164 Resp: 627720

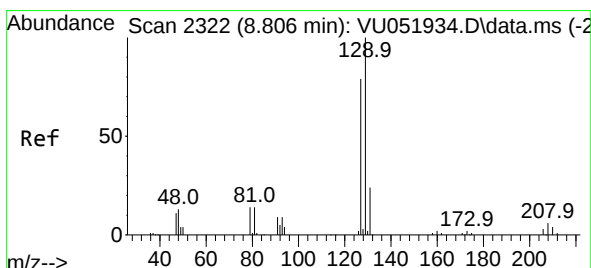
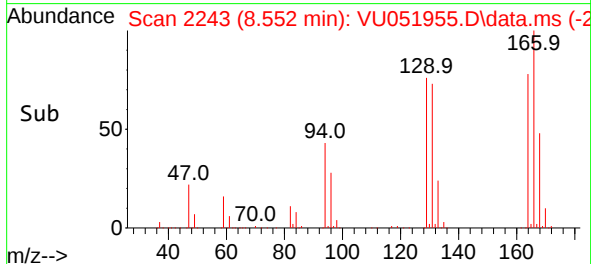
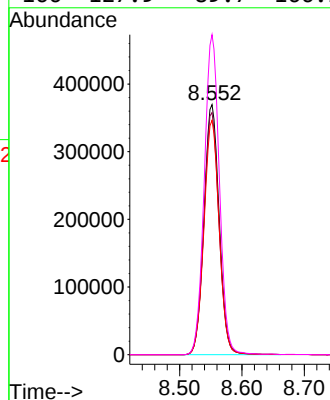
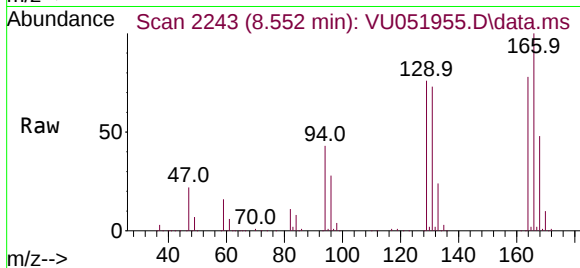
Ion Ratio Lower Upper

164 100

129 96.8 67.4 125.2

131 93.7 67.1 124.7

166 127.9 89.7 166.5



#49

Dibromochloromethane

Concen: 36.246 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.254 min

Lab File: VU051955.D

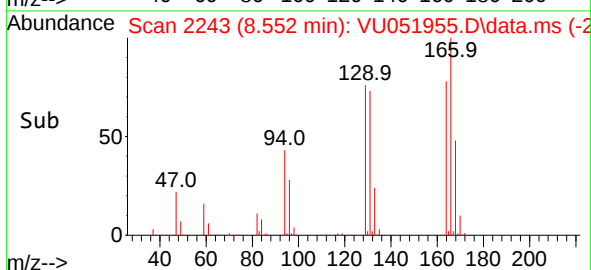
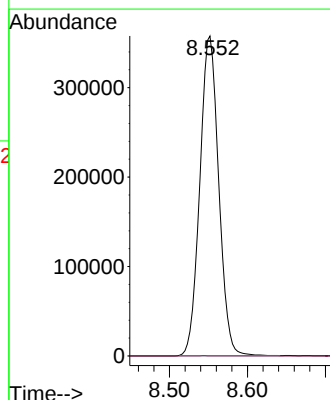
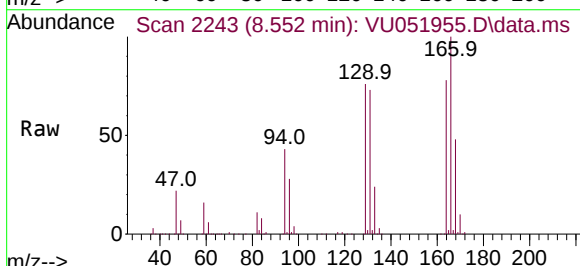
Acq: 19 Nov 2022 15:14

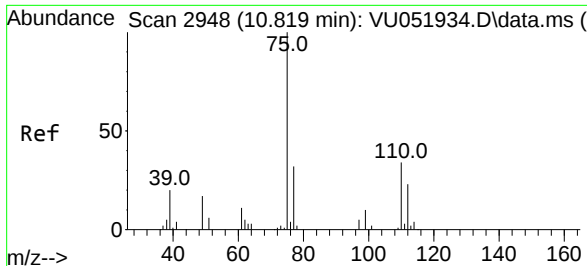
Tgt Ion:129 Resp: 599657

Ion Ratio Lower Upper

129 100

127 0.0 52.8 98.2#

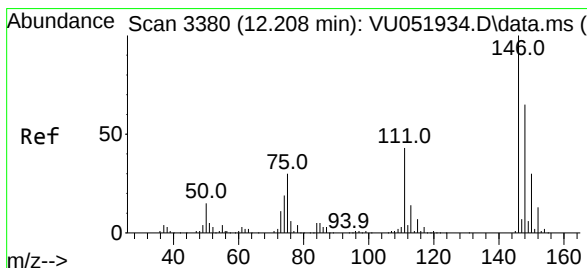
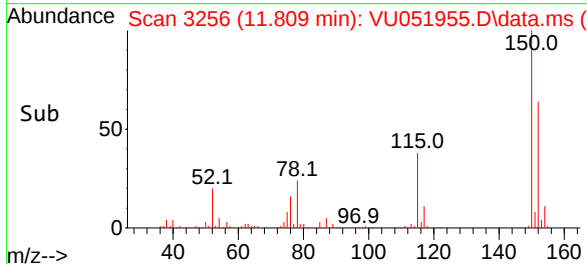
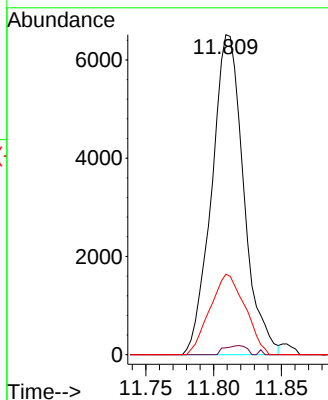
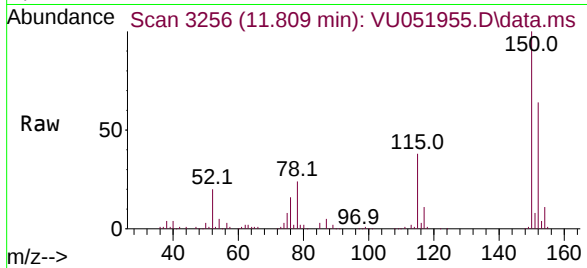




#61
1,2,3-Trichloropropane
Concen: 1.027 ug/L
RT: 11.809 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU051955.D
Acq: 19 Nov 2022 15:14

Instrument :
MSVOA_U
ClientSampleId :
GBN93

Tgt Ion: 75 Resp: 10669
Ion Ratio Lower Upper
75 100
110 2.0 28.3 42.5#
77 27.7 26.2 39.2



#67
1,2-Dichlorobenzene
Concen: 0.134 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU051955.D
Acq: 19 Nov 2022 15:14

Tgt Ion:146 Resp: 3750
Ion Ratio Lower Upper
146 100
111 54.1 32.7 49.1#
148 63.2 50.6 75.8

