

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072622\
 Data File : VU049910.D
 Acq On : 26 Jul 2022 14:18
 Operator : SY/MD
 Sample : N3870-16DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJ15DL

Quant Time: Jul 27 03:56:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 27 03:55:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	95887	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	92268	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	41611	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	29359	3.782	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.600%
7) Chloroethane-d5	1.912	69	26420	4.067	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.400%
11) 1,1-Dichloroethene-d2	2.565	65	12902	3.724	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.400%
20) 2-Butanone-d5	4.633	46	131717	47.157	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.320%
24) Chloroform-d	5.063	84	70075	4.053	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.000%
26) 1,2-Dichloroethane-d4	5.703	65	40645	4.009	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.200%
32) Benzene-d6	5.726	84	124736	3.967	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.400%
36) 1,2-Dichloropropane-d6	6.694	67	46469	4.278	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.600%
41) Toluene-d8	7.899	98	99408	3.617	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.400%
43) trans-1,3-Dichloroprop...	8.179	79	14613	3.705	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.200%
46) 2-Hexanone-d5	8.636	63	63921	40.905	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.800%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	40195	4.407	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	37084	4.318	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.400%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	3917	0.626	ug/L	93
12) 1,1-Dichloroethene	2.575	96	1286	0.203	ug/L #	1
16) Methylene chloride	3.044	84	13206	0.924	ug/L	92
18) trans-1,2-Dichloroethene	3.356	96	838	0.114	ug/L #	66
19) 1,1-Dichloroethane	3.874	63	2188	0.138	ug/L #	87
22) cis-1,2-Dichloroethene	4.668	96	39580	4.666	ug/L	97
34) Trichloroethene	6.542	95	63721	7.849	ug/L	96
35) Methylcyclohexane	6.690	83	10333	1.032	ug/L #	17
37) 1,2-Dichloropropane	6.690	63	4952	0.519	ug/L #	89
47) Tetrachloroethene	8.555	164	22415	4.011	ug/L	93
48) 2-Hexanone	8.687	43	26004	5.235	ug/L #	91
49) Dibromochloromethane	8.552	129	23209	3.049	ug/L #	14
51) Chlorobenzene	9.449	112	1976	0.093	ug/L #	86
53) m,p-Xylene	9.697	106	1582	0.125	ug/L	74
55) Styrene	10.118	104	1436	0.068	ug/L	94
61) 1,2,3-Trichloropropane	11.812	75	6673	1.204	ug/L #	70
65) 1,4-Dichlorobenzene	11.838	146	2753	0.204	ug/L	95
67) 1,2-Dichlorobenzene	12.214	146	5492	0.408	ug/L	96
68) 1,2-Dibromo-3-chloropr...	13.224	75	603	0.486	ug/L #	8

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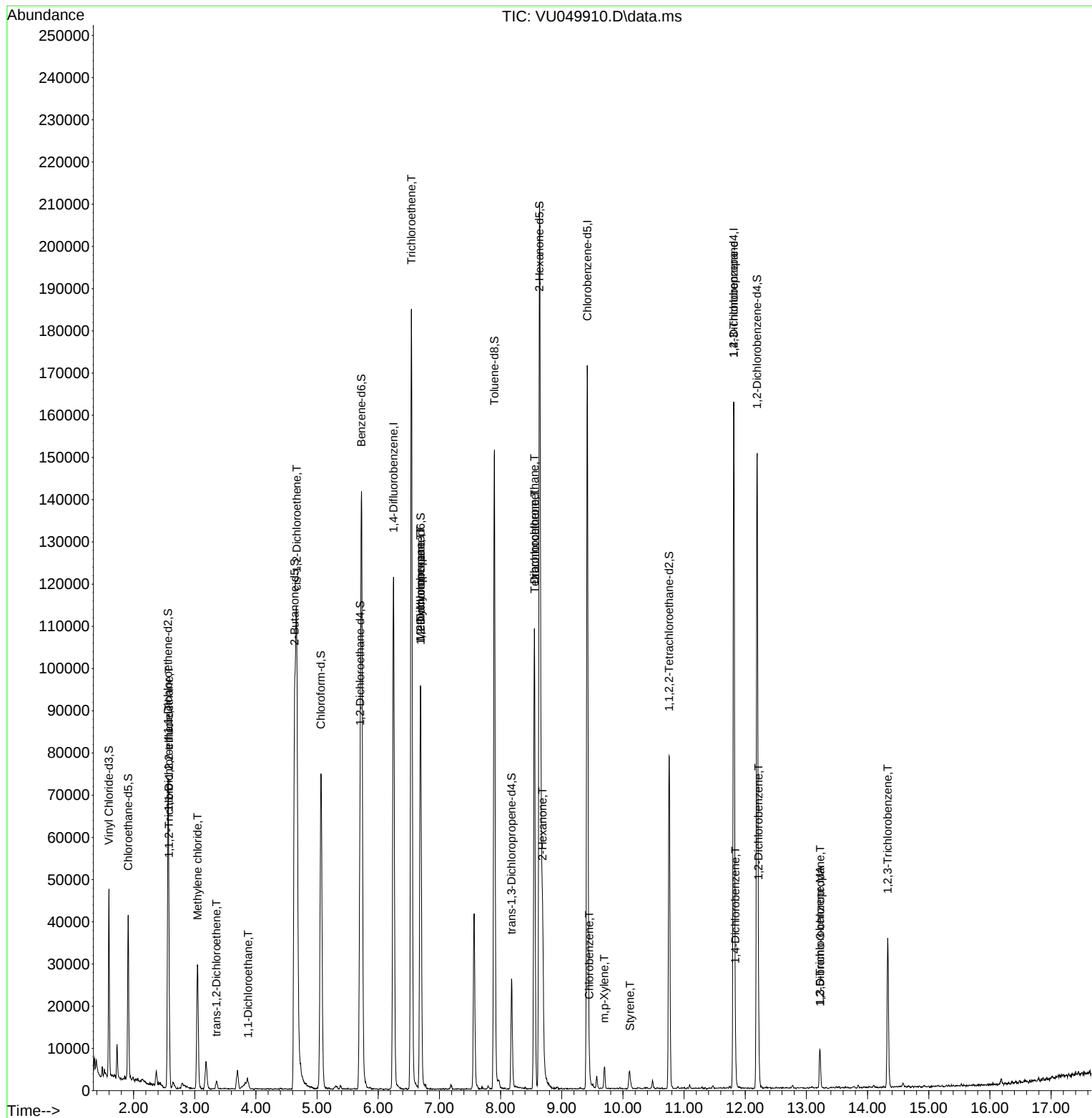
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) 1,3,5-Trichlorobenzene	13.221	180	3144	0.313	ug/L	87
72) 1,2,3-Trichlorobenzene	14.330	180	10473	1.292	ug/L	97

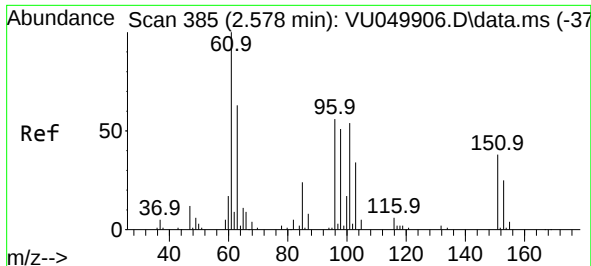
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.626 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU049910.D

Acq: 26 Jul 2022 14:18

Instrument :

MSVOA_U

ClientSampleId :

GBJ15DL

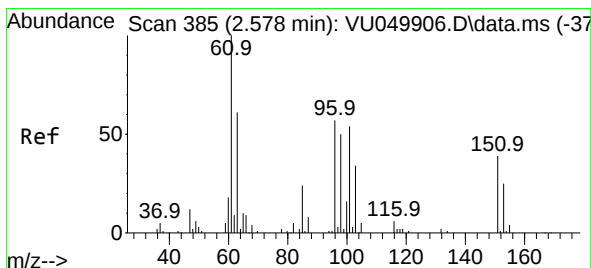
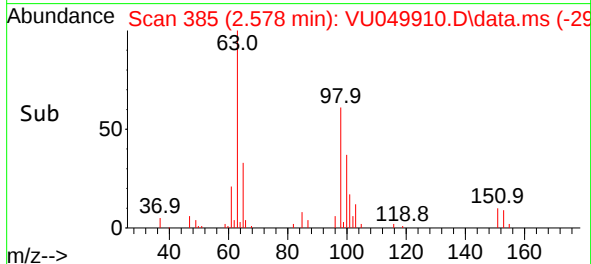
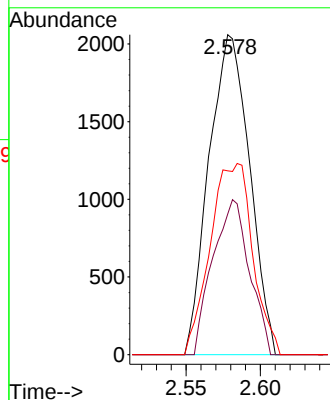
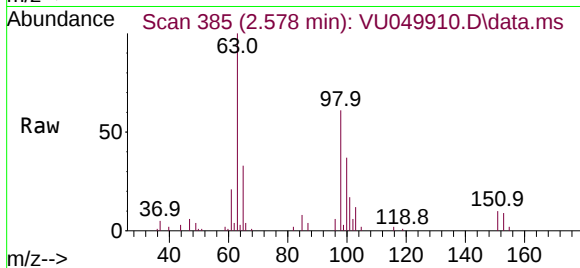
Tgt Ion:101 Resp: 3917

Ion Ratio Lower Upper

101 100

85 43.8 37.2 55.8

151 62.6 56.0 84.0



#12

1,1-Dichloroethene

Concen: 0.203 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU049910.D

Acq: 26 Jul 2022 14:18

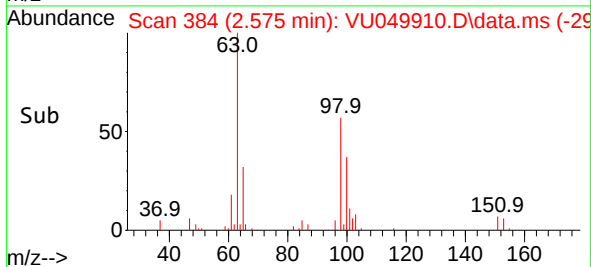
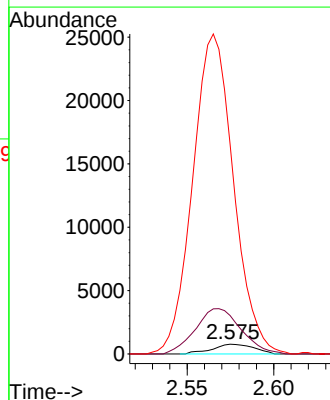
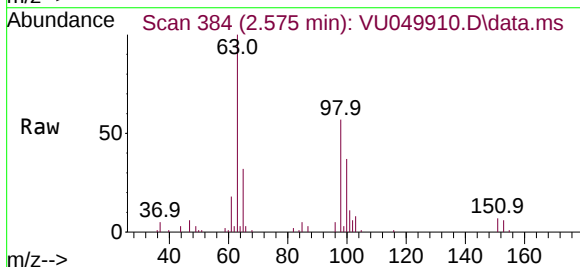
Tgt Ion: 96 Resp: 1286

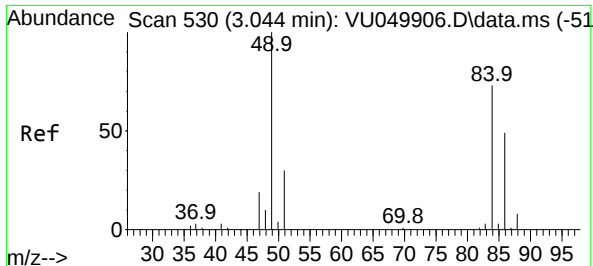
Ion Ratio Lower Upper

96 100

61 394.4 131.6 244.4#

63 2146.5 100.0 185.6#

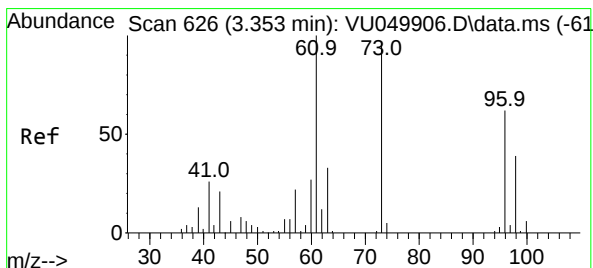
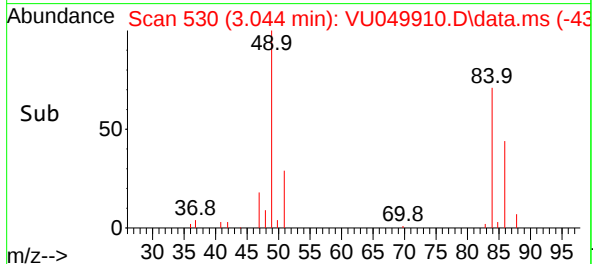
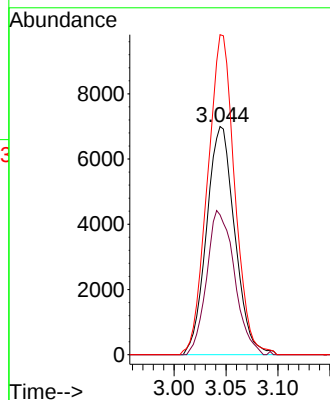
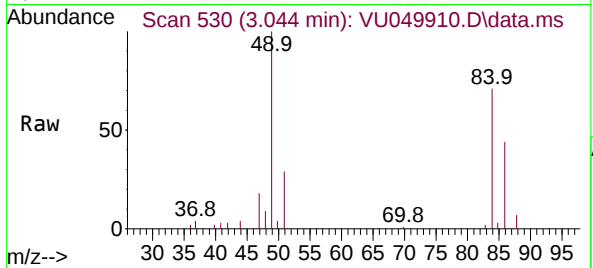




#16
Methylene chloride
Concen: 0.924 ug/L
RT: 3.044 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU049910.D
Acq: 26 Jul 2022 14:18

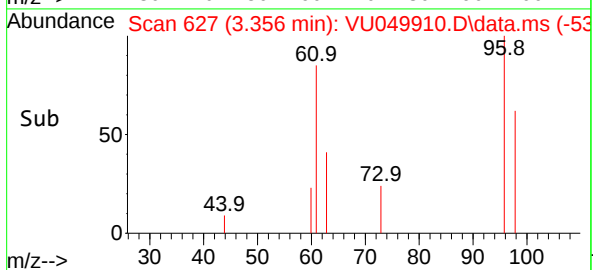
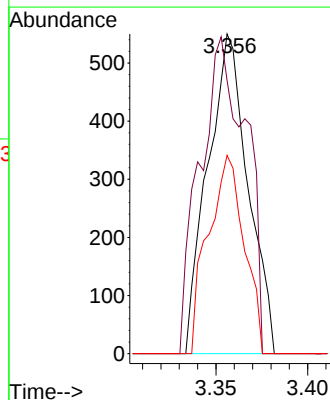
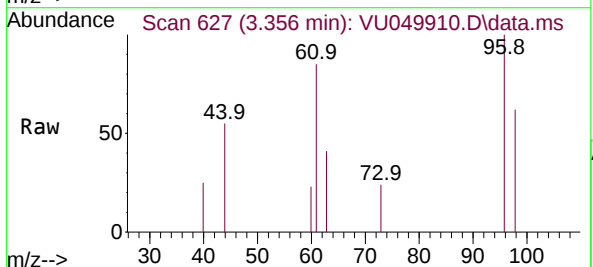
Instrument :
MSVOA_U
ClientSampleId :
GBJ15DL

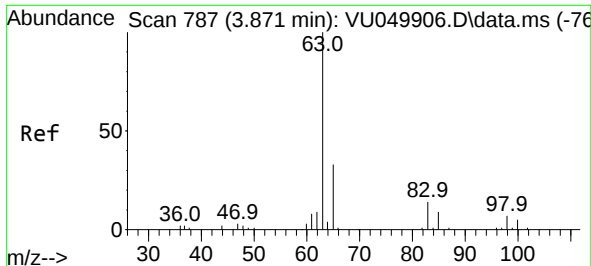
Tgt Ion: 84 Resp: 13206
Ion Ratio Lower Upper
84 100
86 61.3 45.5 84.5
49 145.9 94.1 174.8



#18
trans-1,2-Dichloroethene
Concen: 0.114 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.003 min
Lab File: VU049910.D
Acq: 26 Jul 2022 14:18

Tgt Ion: 96 Resp: 838
Ion Ratio Lower Upper
96 100
61 85.5 101.5 188.5#
98 62.0 42.5 78.9





#19

1,1-Dichloroethane

Concen: 0.138 ug/L

RT: 3.874 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU049910.D

Acq: 26 Jul 2022 14:18

Instrument :

MSVOA_U

ClientSampleId :

GBJ15DL

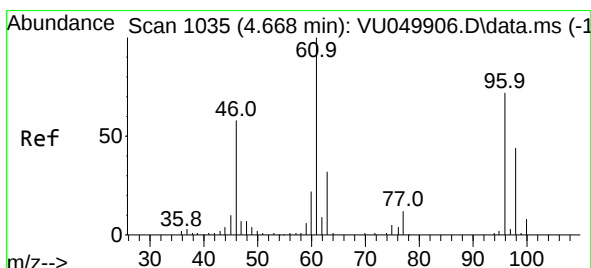
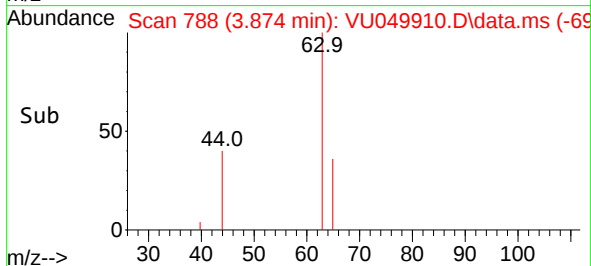
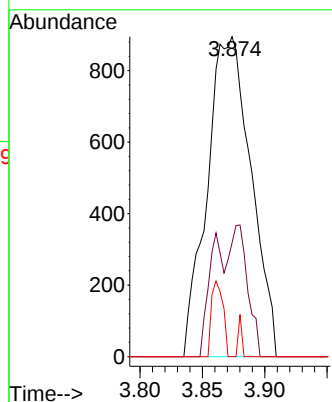
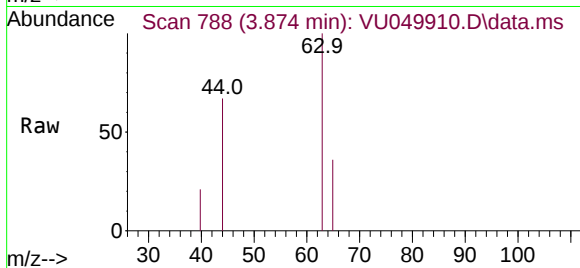
Tgt Ion: 63 Resp: 2188

Ion Ratio Lower Upper

63 100

65 35.5 22.5 41.9

83 0.0 8.3 15.5#



#22

cis-1,2-Dichloroethene

Concen: 4.666 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VU049910.D

Acq: 26 Jul 2022 14:18

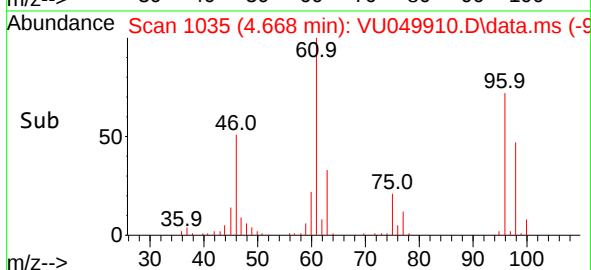
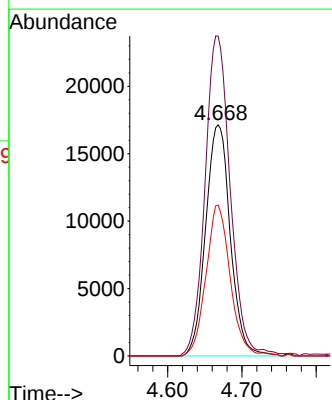
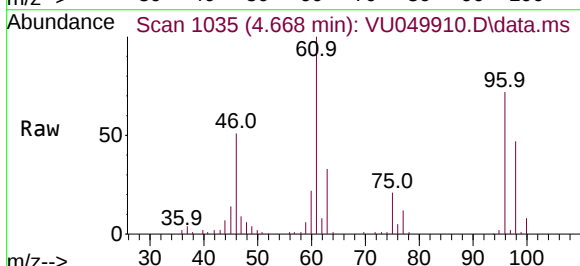
Tgt Ion: 96 Resp: 39580

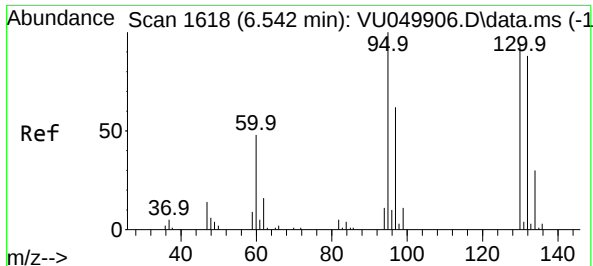
Ion Ratio Lower Upper

96 100

61 138.3 93.9 174.3

98 65.2 43.9 81.5

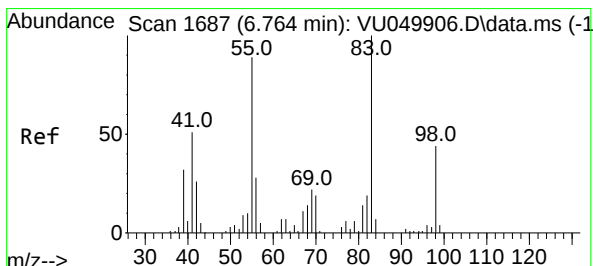
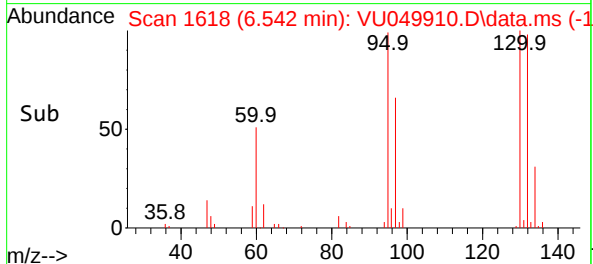
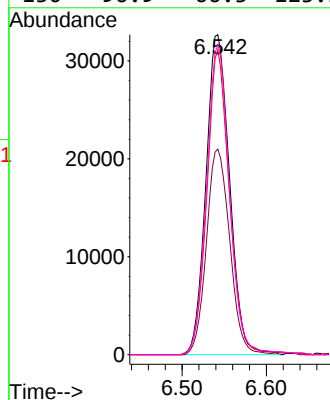
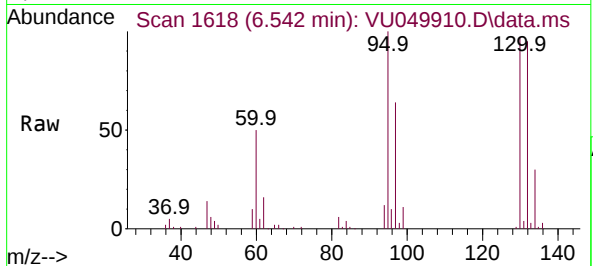




#34
Trichloroethene
Concen: 7.849 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU049910.D
Acq: 26 Jul 2022 14:18

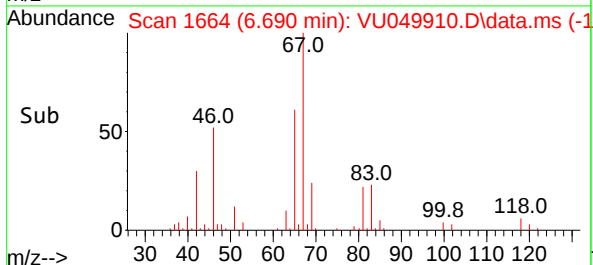
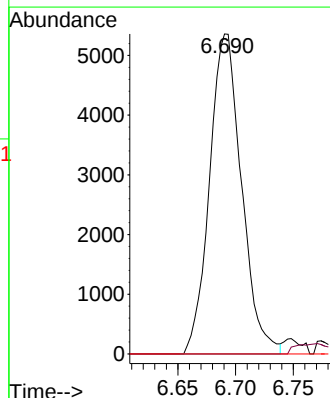
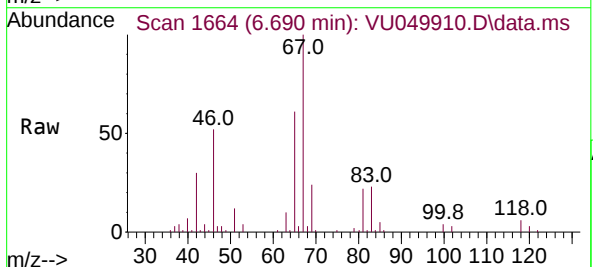
Instrument :
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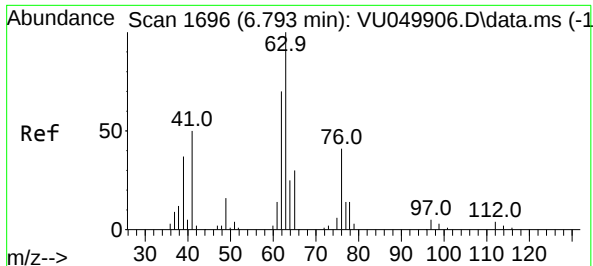
Tgt Ion: 95 Resp: 63721
Ion Ratio Lower Upper
95 100
97 64.3 46.8 86.8
132 95.2 61.8 114.8
130 96.9 66.3 123.1



#35
Methylcyclohexane
Concen: 1.032 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.074 min
Lab File: VU049910.D
Acq: 26 Jul 2022 14:18

Tgt Ion: 83 Resp: 10333
Ion Ratio Lower Upper
83 100
55 3.2 69.0 103.4#
98 0.0 36.4 54.6#





#37

1,2-Dichloropropane

Concen: 0.519 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU049910.D

Acq: 26 Jul 2022 14:18

Instrument :

MSVOA_U

ClientSampleId :

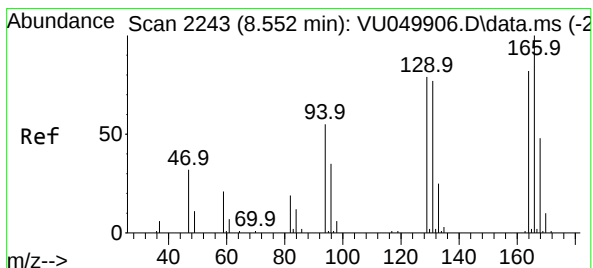
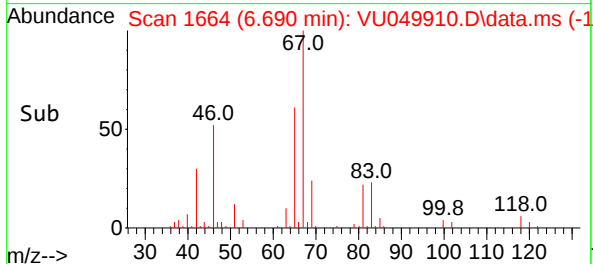
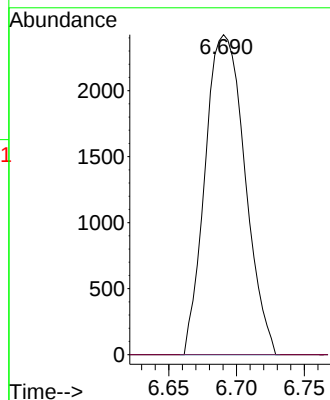
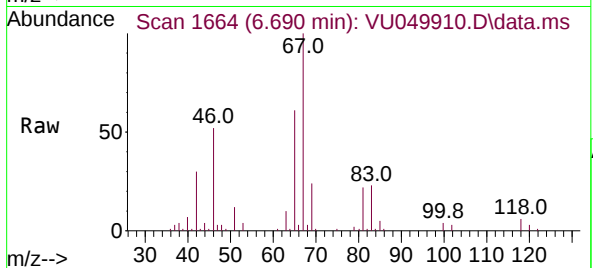
GBJ15DL

Tgt Ion: 63 Resp: 4952

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



#47

Tetrachloroethene

Concen: 4.011 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.003 min

Lab File: VU049910.D

Acq: 26 Jul 2022 14:18

Tgt Ion: 164 Resp: 22415

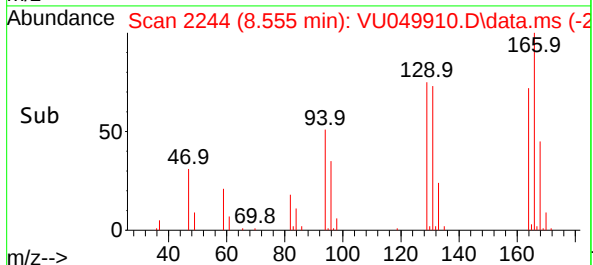
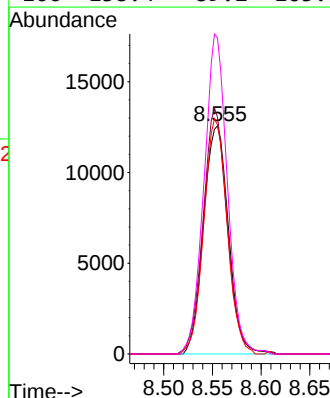
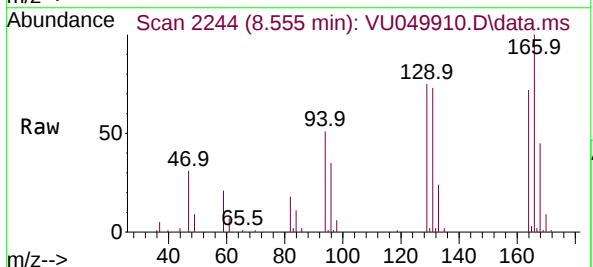
Ion Ratio Lower Upper

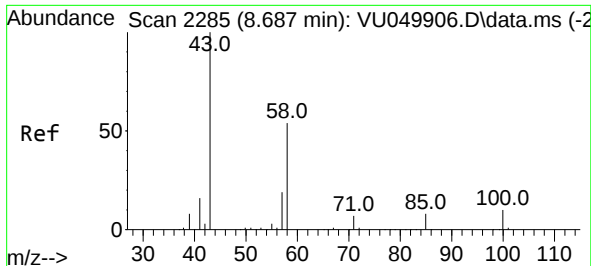
164 100

129 103.8 68.9 127.9

131 100.5 67.5 125.4

166 138.4 89.2 165.8

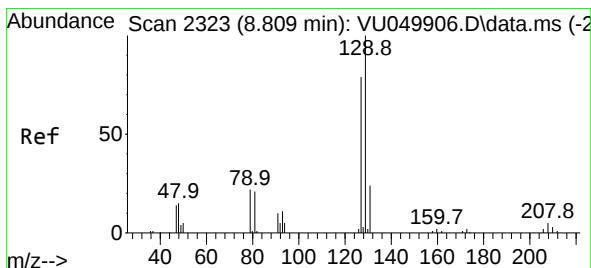
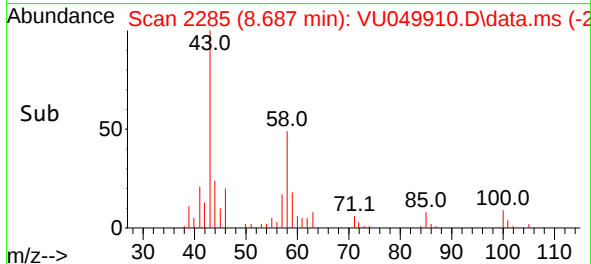
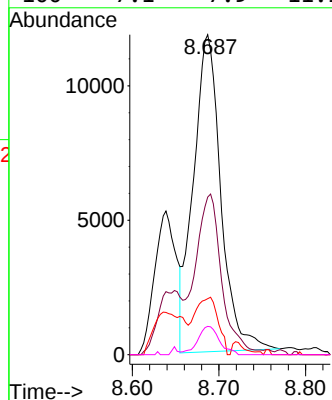
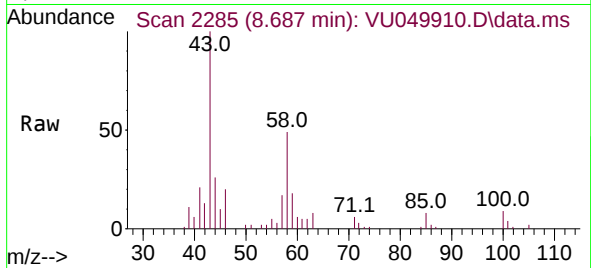




#48
2-Hexanone
Concen: 5.235 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049910.D
Acq: 26 Jul 2022 14:18

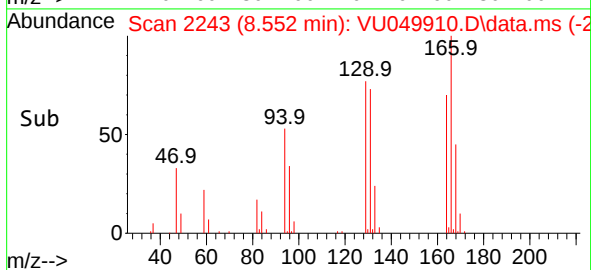
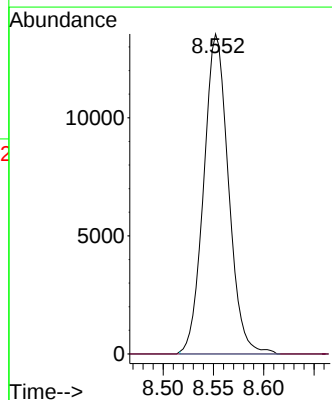
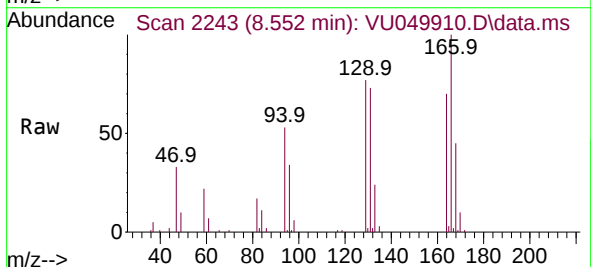
Instrument :
MSVOA_U
ClientSampleId :
GBJ15DL

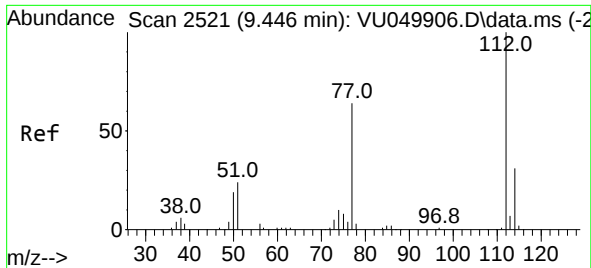
Tgt Ion: 43	Resp: 26004
Ion Ratio	Lower Upper
43 100	
58 45.2	42.1 63.1
57 15.3	14.3 21.5
100 7.1	7.9 11.9#



#49
Dibromochloromethane
Concen: 3.049 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.257 min
Lab File: VU049910.D
Acq: 26 Jul 2022 14:18

Tgt Ion: 129	Resp: 23209
Ion Ratio	Lower Upper
129 100	
127 0.0	50.5 93.7#

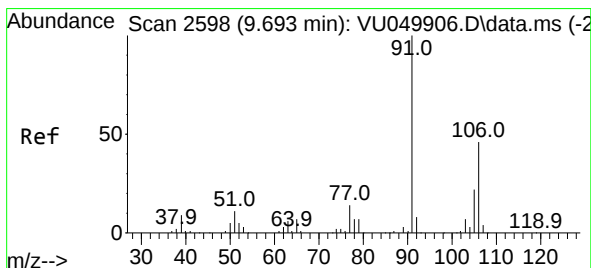
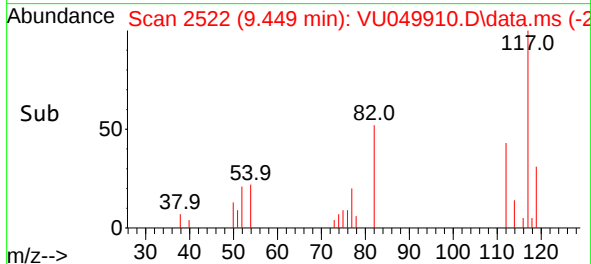
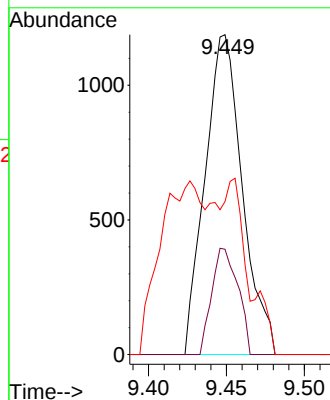
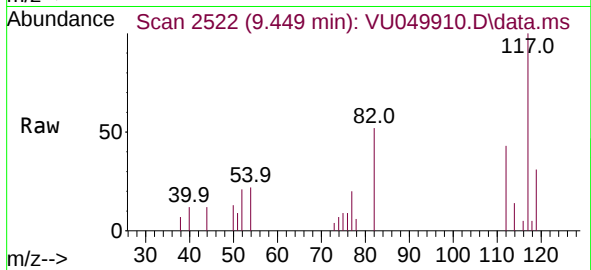




#51
Chlorobenzene
Concen: 0.093 ug/L
RT: 9.449 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049910.D
Acq: 26 Jul 2022 14:18

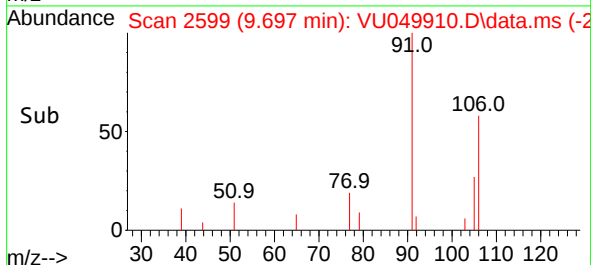
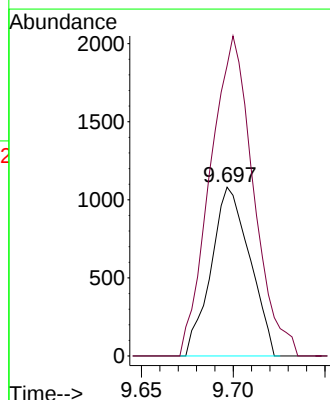
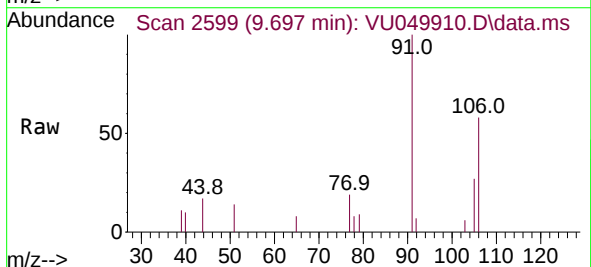
Instrument :
MSVOA_U
ClientSampleId :
GBJ15DL

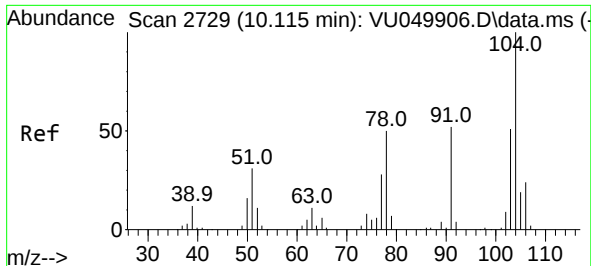
Tgt Ion:	112	Resp:	1976
Ion Ratio	Lower	Upper	
112	100		
114	32.9	22.4	41.6
77	47.8	51.2	76.8#



#53
m,p-Xylene
Concen: 0.125 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU049910.D
Acq: 26 Jul 2022 14:18

Tgt Ion:	106	Resp:	1582
Ion Ratio	Lower	Upper	
106	100		
91	172.0	149.7	277.9

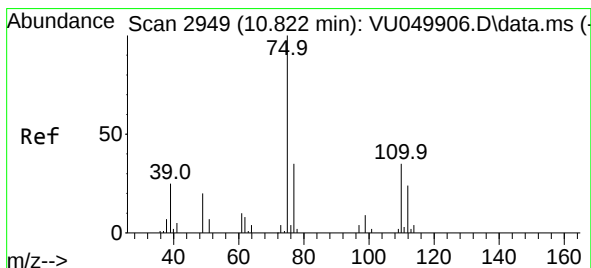
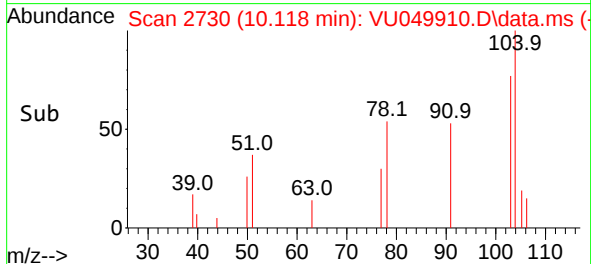
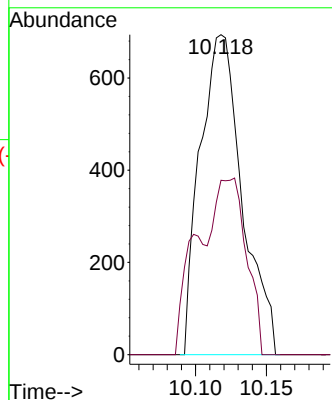
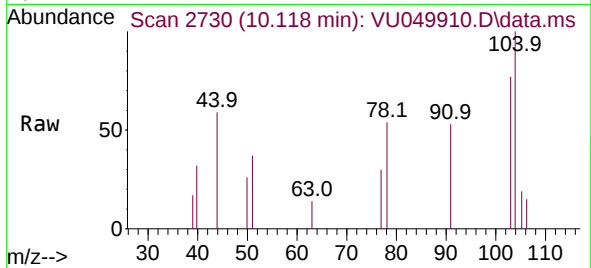




#55
Styrene
Concen: 0.068 ug/L
RT: 10.118 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049910.D
Acq: 26 Jul 2022 14:18

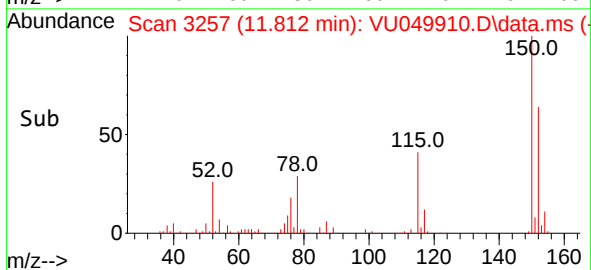
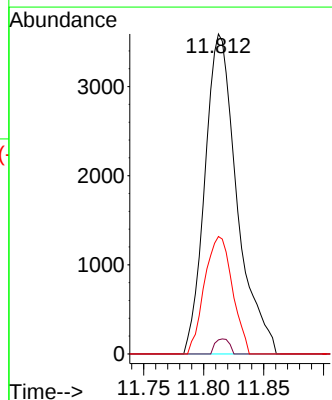
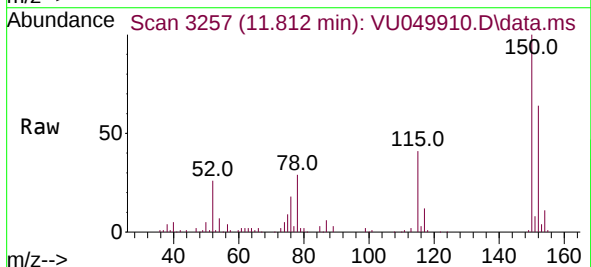
Instrument :
MSVOA_U
ClientSampleId :
GBJ15DL

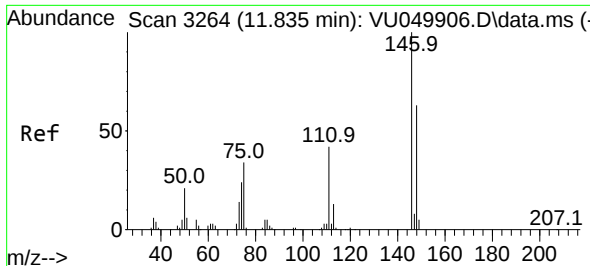
Tgt Ion:104 Resp: 1436
Ion Ratio Lower Upper
104 100
78 54.5 35.1 65.3



#61
1,2,3-Trichloropropane
Concen: 1.204 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.990 min
Lab File: VU049910.D
Acq: 26 Jul 2022 14:18

Tgt Ion: 75 Resp: 6673
Ion Ratio Lower Upper
75 100
110 2.1 28.0 42.0#
77 31.9 25.4 38.2

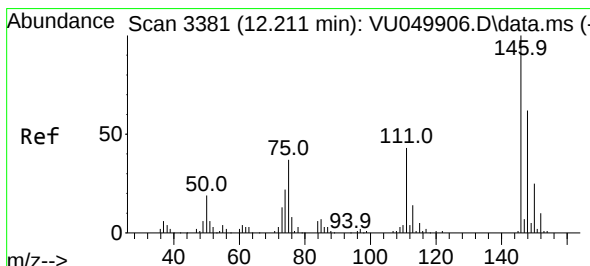
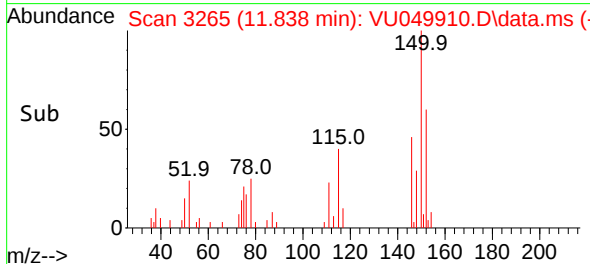
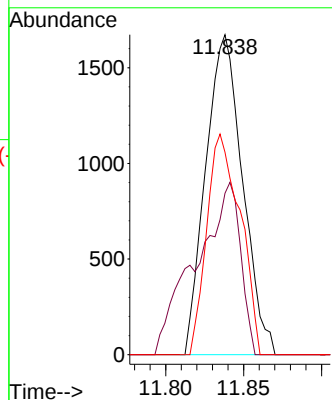
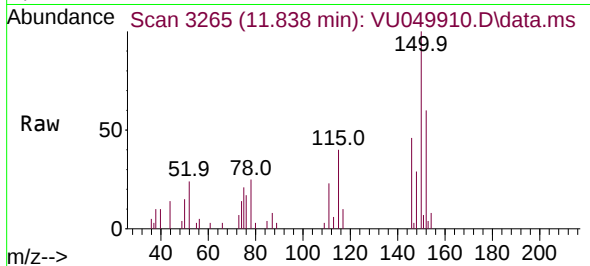




#65
1,4-Dichlorobenzene
Concen: 0.204 ug/L
RT: 11.838 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU049910.D
Acq: 26 Jul 2022 14:18

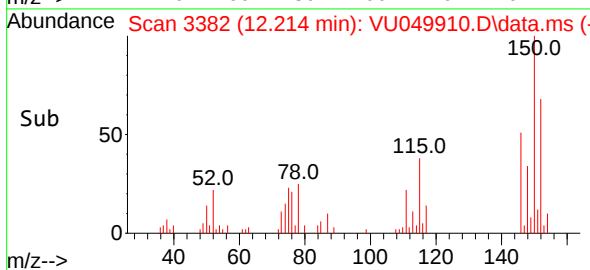
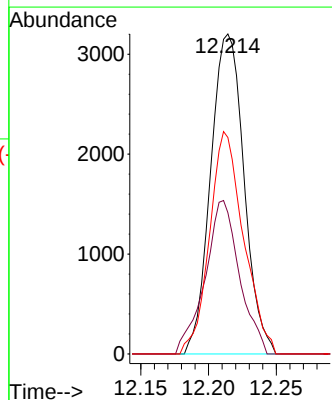
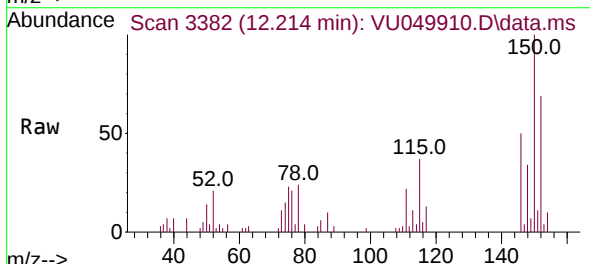
Instrument :
MSVOA_U
ClientSampleId :
GBJ15DL

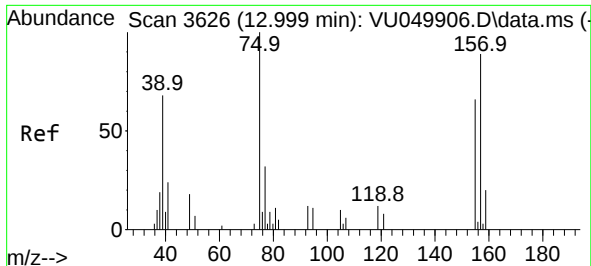
Tgt Ion:146 Resp: 2753
Ion Ratio Lower Upper
146 100
111 50.4 29.5 54.7
148 63.2 44.1 81.9



#67
1,2-Dichlorobenzene
Concen: 0.408 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU049910.D
Acq: 26 Jul 2022 14:18

Tgt Ion:146 Resp: 5492
Ion Ratio Lower Upper
146 100
111 44.2 35.8 53.8
148 67.7 50.3 75.5





#68

1,2-Dibromo-3-chloropropane

Concen: 0.486 ug/L

RT: 13.224 min Scan# 3696

Delta R.T. 0.225 min

Lab File: VU049910.D

Acq: 26 Jul 2022 14:18

Instrument :

MSVOA_U

ClientSampleId :

GBJ15DL

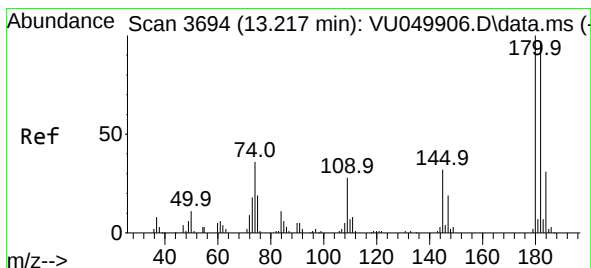
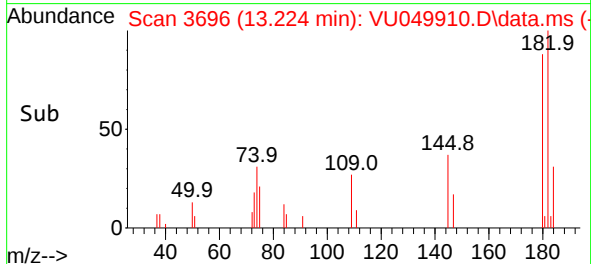
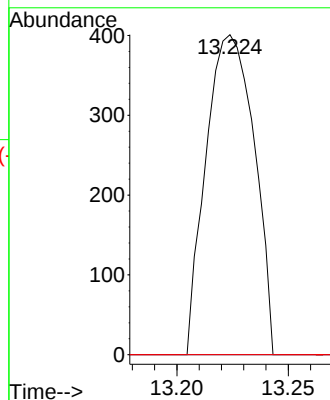
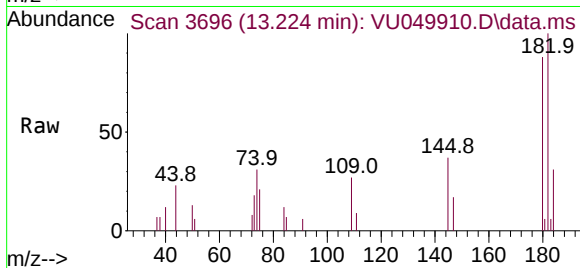
Tgt Ion: 75 Resp: 603

Ion Ratio Lower Upper

75 100

155 0.0 60.4 90.6#

157 0.0 70.0 105.0#



#69

1,3,5-Trichlorobenzene

Concen: 0.313 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. 0.003 min

Lab File: VU049910.D

Acq: 26 Jul 2022 14:18

Tgt Ion:180 Resp: 3144

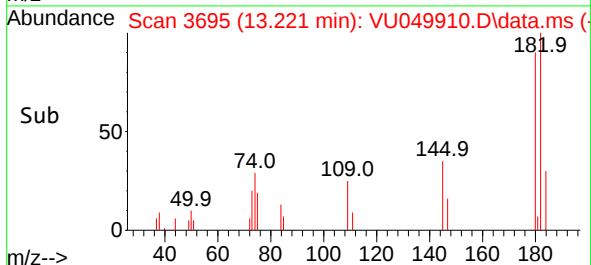
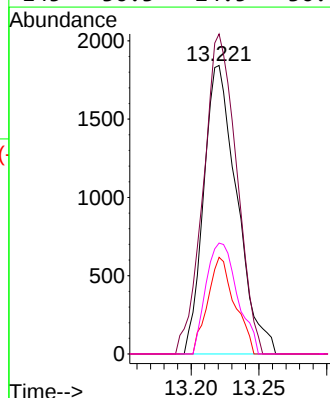
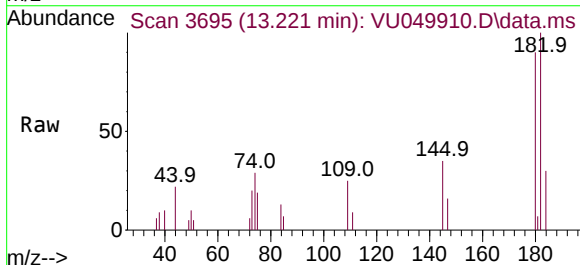
Ion Ratio Lower Upper

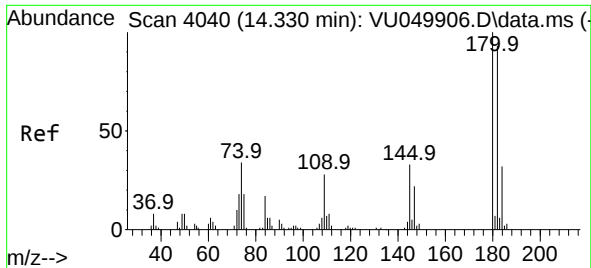
180 100

182 111.0 77.2 115.8

184 27.2 25.3 37.9

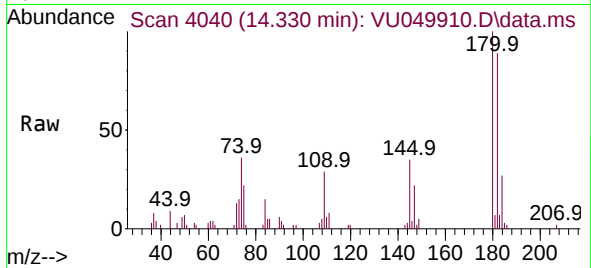
145 36.3 24.5 36.7





#72
 1,2,3-Trichlorobenzene
 Concen: 1.292 ug/L
 RT: 14.330 min Scan# 40
 Delta R.T. -0.000 min
 Lab File: VU049910.D
 Acq: 26 Jul 2022 14:18

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJ15DL



Tgt Ion:	180	Resp:	10473
Ion	Ratio	Lower	Upper
180	100		
182	95.5	73.9	110.9
145	34.3	27.8	41.6

