

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010824\
 Data File : VU057376.D
 Acq On : 08 Jan 2024 11:34
 Operator : MD/SY
 Sample : VSTD005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 09 00:20:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 09 00:19:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	256827	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	251530	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	113796	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.602	65	9639	5.453	ug/L	0.00
7) Chloroethane-d5	1.914	69	7557	5.524	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.567	63	20284	5.414	ug/L	0.00
21) 2-Butanone-d5	4.657	46	5239	6.117	ug/L	0.03
24) Chloroform-d	5.062	84	22788	5.452	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	14283	5.172	ug/L	0.00
32) Benzene-d6	5.724	84	35053	5.192	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.689	67	10196	5.350	ug/L	0.00
41) Toluene-d8	7.898	98	31737	5.016	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	5304	4.663	ug/L	0.00
47) 2-Hexanone-d5	8.640	63	4892	7.853	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	15418	5.414	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	12669	5.692	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	15437	5.269	ug/L	97
3) Chloromethane	1.518	50	9945	5.409	ug/L	100
5) Vinyl chloride	1.605	62	10361	5.264	ug/L	97
6) Bromomethane	1.859	94	7074	5.430	ug/L	88
8) Chloroethane	1.936	64	6318	5.488	ug/L	99
9) Trichlorofluoromethane	2.136	101	22751	5.540	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	11011	5.583	ug/L	98
12) 1,1-Dichloroethene	2.576	96	9827	5.647	ug/L	90
13) Acetone	2.647	43	11217	10.620	ug/L	61
14) Carbon disulfide	2.792	76	29072	5.394	ug/L	98
15) Methyl Acetate	2.956	43	6918	5.084	ug/L	95
16) Methylene chloride	3.046	84	11182	5.651	ug/L	95
17) trans-1,2-Dichloroethene	3.354	96	9178	5.155	ug/L	97
18) Methyl tert-butyl Ether	3.358	73	27344	4.798	ug/L	97
19) 1,1-Dichloroethane	3.862	63	17593	5.338	ug/L	94
20) cis-1,2-Dichloroethene	4.666	96	9489	4.983	ug/L	92
22) 2-Butanone	4.727	43	9351	9.098	ug/L	92
23) Bromochloromethane	4.972	128	5988	5.478	ug/L #	95
25) Chloroform	5.084	83	21384	5.346	ug/L	95
27) 1,2-Dichloroethane	5.795	62	17661	5.242	ug/L	98
29) Cyclohexane	5.383	56	11079	4.656	ug/L #	90
30) 1,1,1-Trichloroethane	5.309	97	20455	5.286	ug/L	99
31) Carbon tetrachloride	5.521	117	17665	5.147	ug/L	96
33) Benzene	5.772	78	35881	5.076	ug/L	100
34) Trichloroethene	6.541	95	11173	5.414	ug/L	96
35) Methylcyclohexane	6.756	83	13365	4.760	ug/L	98
37) 1,2-Dichloropropane	6.788	63	9290	5.326	ug/L #	94
38) Bromodichloromethane	7.100	83	15818	5.353	ug/L	95
39) cis-1,3-Dichloropropene	7.605	75	14455	4.732	ug/L	93
40) 4-Methyl-2-pentanone	7.791	43	15189	8.546	ug/L	95
42) Toluene	7.965	91	36164	4.758	ug/L	100
44) trans-1,3-Dichloropropene	8.209	75	14337	4.675	ug/L	96

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 ClientSampleId :

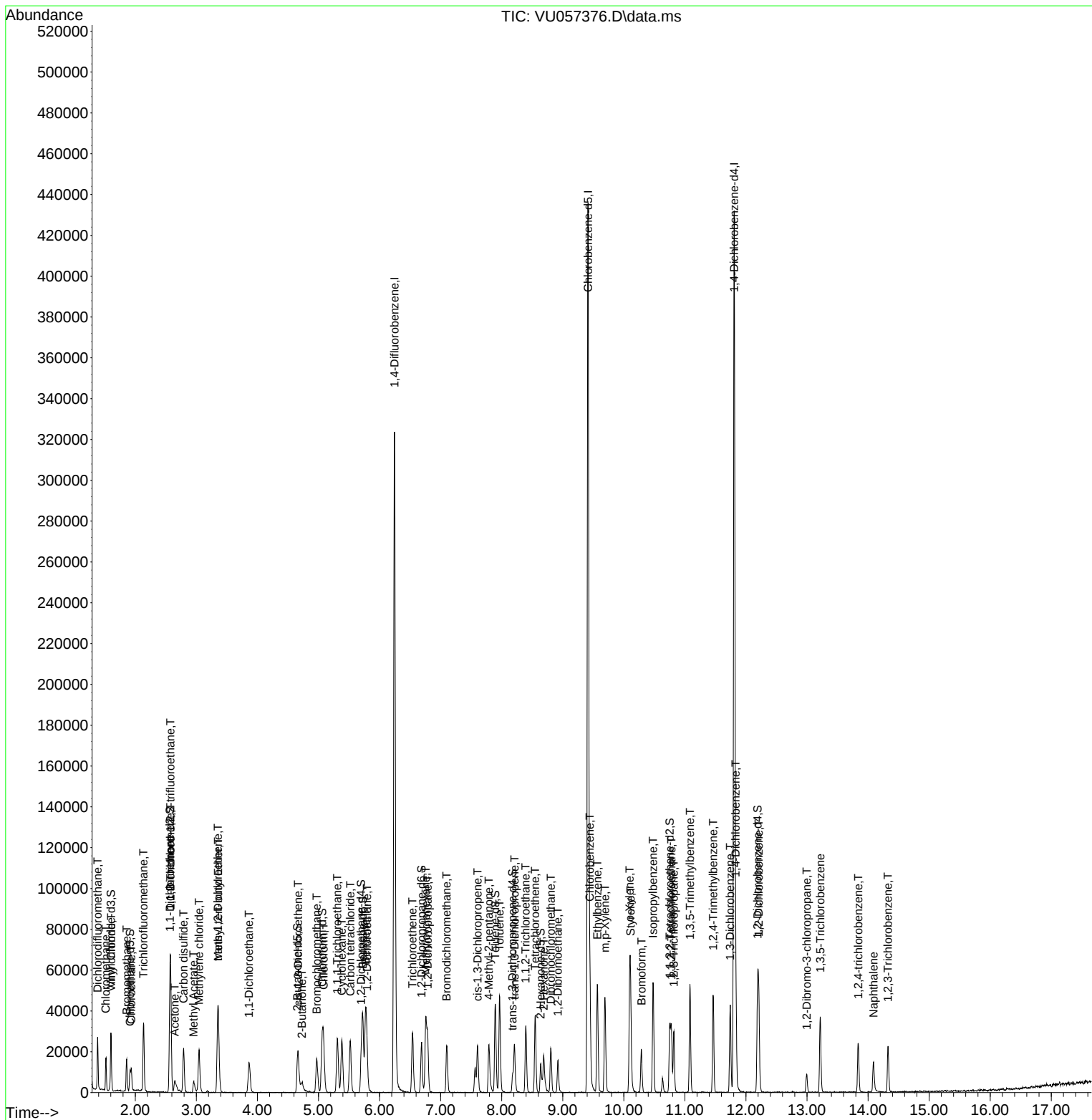
Quant Time: Jan 09 00:20:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 09 00:19:47 2024
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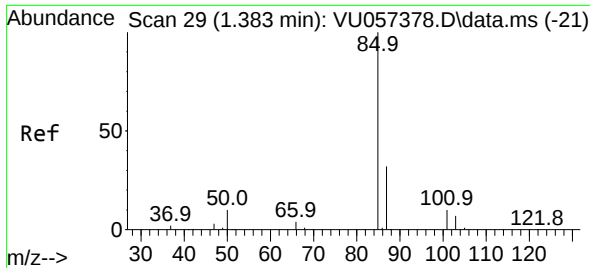
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.393	97	9971	5.195	ug/L	91
46) Tetrachloroethene	8.550	164	8049	5.156	ug/L	97
48) 2-Hexanone	8.688	43	11315	7.764	ug/L #	85
49) Dibromochloromethane	8.804	129	12288	5.254	ug/L	85
50) 1,2-Dibromoethane	8.920	107	9743	4.786	ug/L	87
51) Chlorobenzene	9.444	112	25815	5.055	ug/L	99
52) Ethylbenzene	9.566	91	37921	4.480	ug/L	99
53) m,p-Xylene	9.692	106	14312	4.523	ug/L	88
54) o-Xylene	10.097	106	13832	4.476	ug/L	75
55) Styrene	10.113	104	21682	4.144	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.778	83	14272	4.931	ug/L	98
59) Bromoform	10.290	173	9003	5.456	ug/L #	96
60) 1,2,3-Trichloropropane	10.820	75	11854	5.500	ug/L	96
61) Isopropylbenzene	10.479	105	33176	4.452	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	28765	4.513	ug/L	96
63) 1,2,4-Trimethylbenzene	11.463	105	26052	4.164	ug/L	96
64) 1,3-Dichlorobenzene	11.743	146	17004	4.842	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	18861	5.232	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	18339	5.181	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.997	75	2859	4.967	ug/L	95
69) 1,3,5-Trichlorobenzene	13.219	180	12601	5.012	ug/L	95
70) 1,2,4-trichlorobenzene	13.839	180	7885	4.120	ug/L	96
71) Naphthalene	14.090	128	14431	3.227	ug/L	97
72) 1,2,3-Trichlorobenzene	14.325	180	7358	4.065	ug/L	97

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

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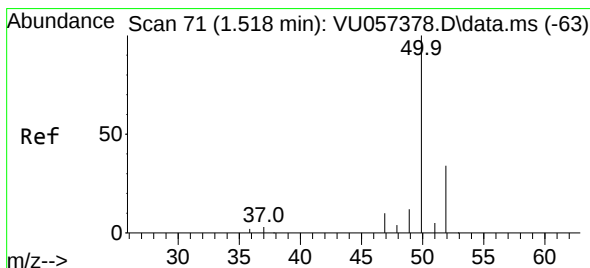
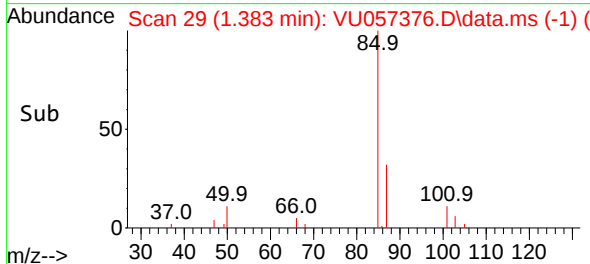
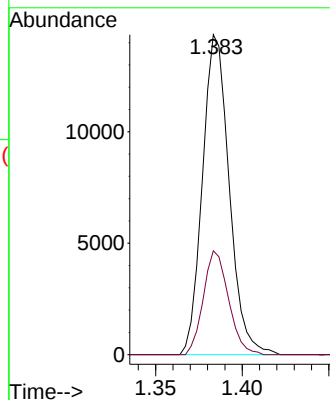
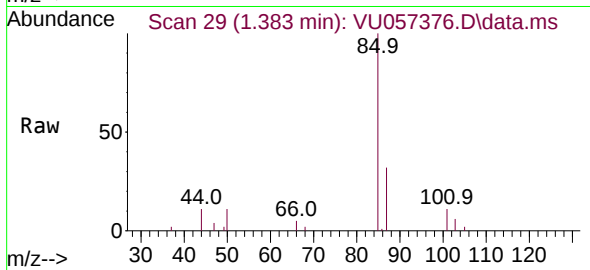




#2
 Dichlorodifluoromethane
 Concen: 5.269 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU057376.D
 Acq: 08 Jan 2024 11:34

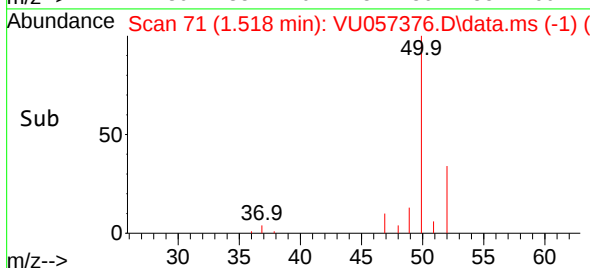
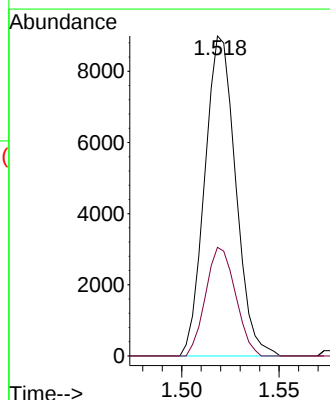
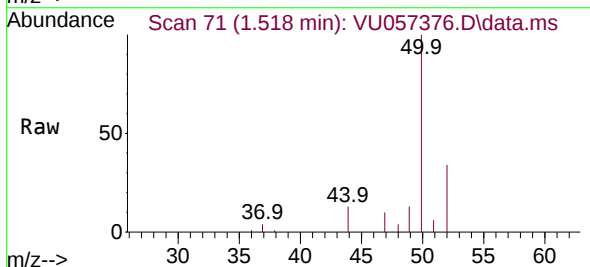
Instrument :
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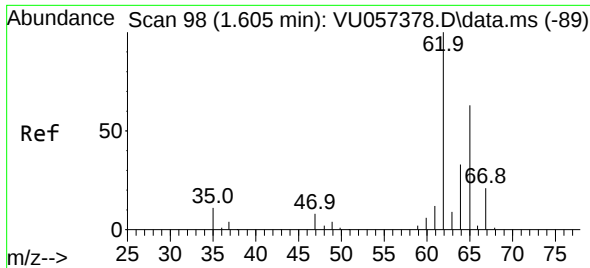
Tgt Ion: 85 Resp: 15437
 Ion Ratio Lower Upper
 85 100
 87 30.5 25.8 38.6



#3
 Chloromethane
 Concen: 5.409 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU057376.D
 Acq: 08 Jan 2024 11:34

Tgt Ion: 50 Resp: 9945
 Ion Ratio Lower Upper
 50 100
 52 33.9 23.7 43.9

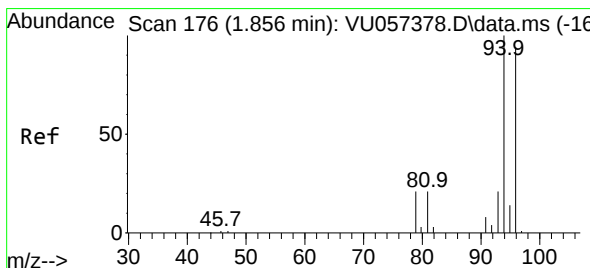
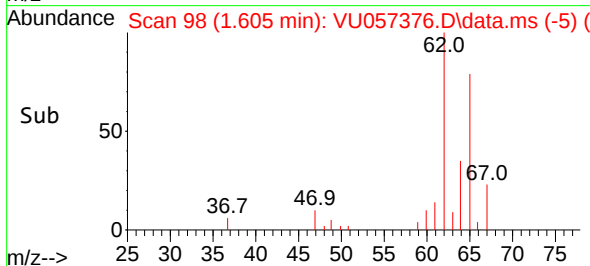
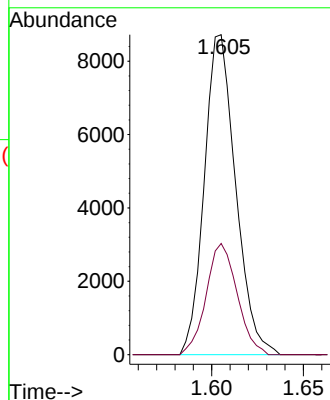
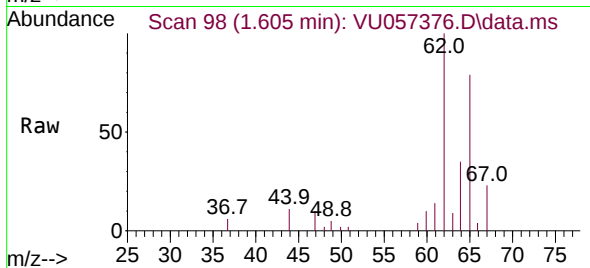




#5
Vinyl chloride
Concen: 5.264 ug/L
RT: 1.605 min Scan# 91
Delta R.T. -0.000 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

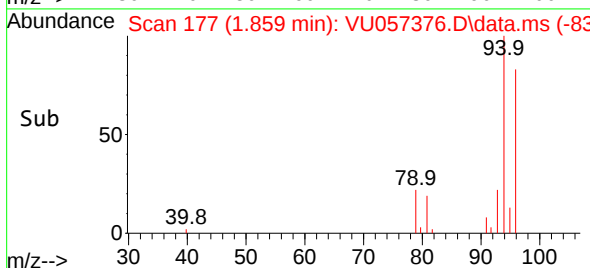
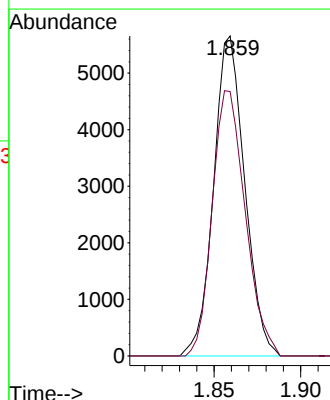
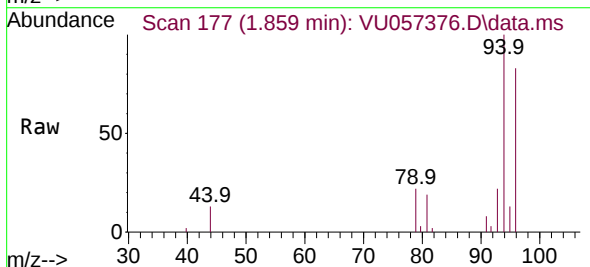
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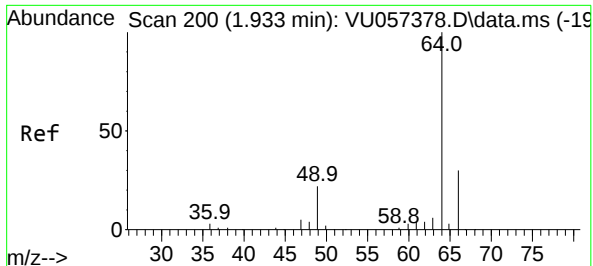
Tgt Ion	62	Resp	10361
Ion Ratio	100	Lower	Upper
62	100		
64	34.7	23.3	43.3



#6
Bromomethane
Concen: 5.430 ug/L
RT: 1.859 min Scan# 177
Delta R.T. 0.003 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

Tgt Ion	94	Resp	7074
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
94	100		
96	82.6	65.9	122.5

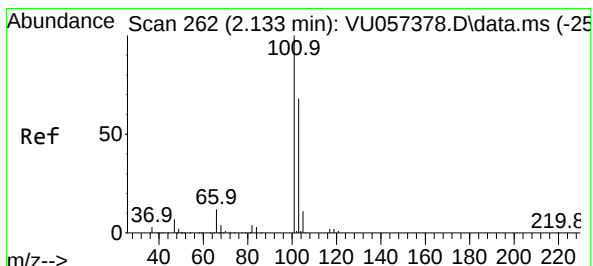
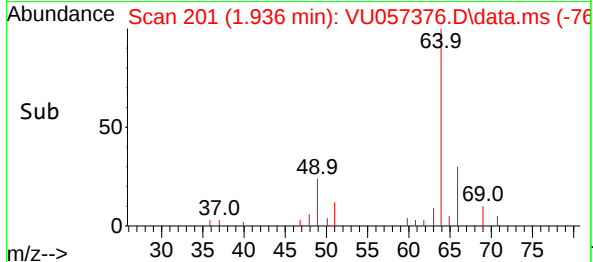
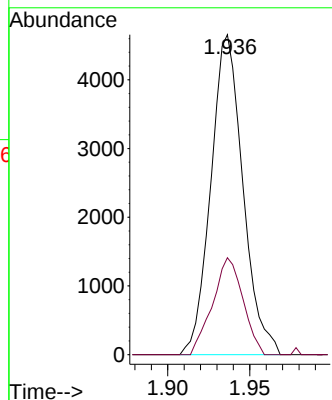
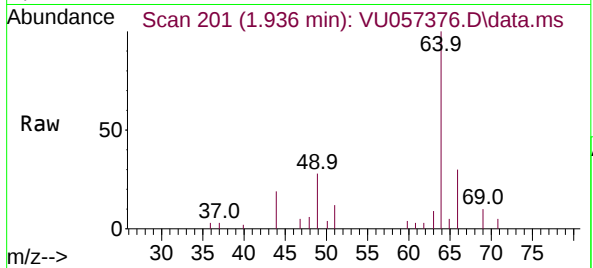




#8
Chloroethane
Concen: 5.488 ug/L
RT: 1.936 min Scan# 201
Delta R.T. 0.003 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

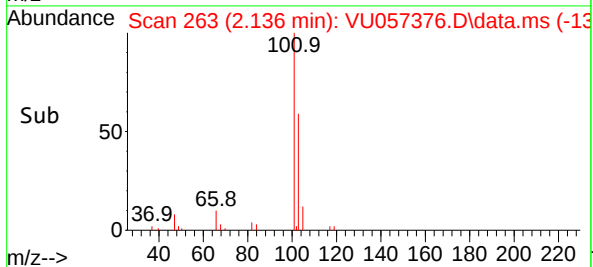
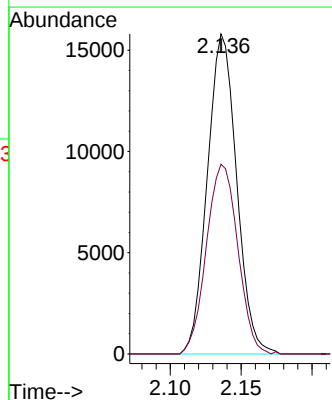
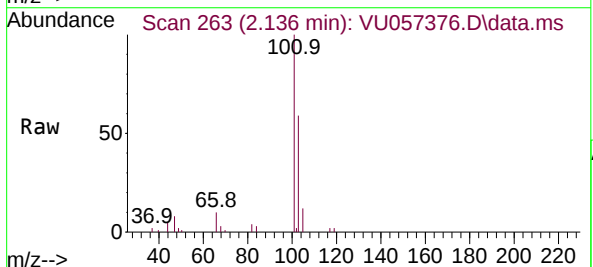
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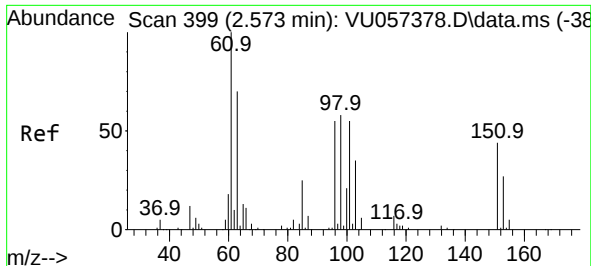
Tgt Ion: 64 Resp: 6318
Ion Ratio Lower Upper
64 100
66 30.3 20.9 38.9



#9
Trichlorofluoromethane
Concen: 5.540 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

Tgt Ion:101 Resp: 22751
Ion Ratio Lower Upper
101 100
103 63.4 53.4 80.0

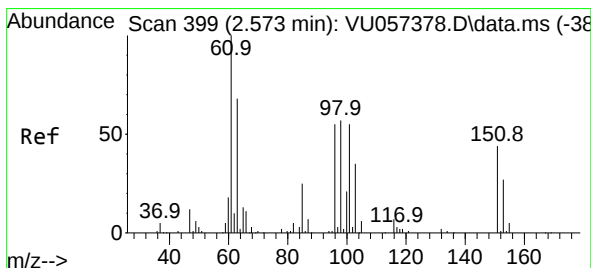
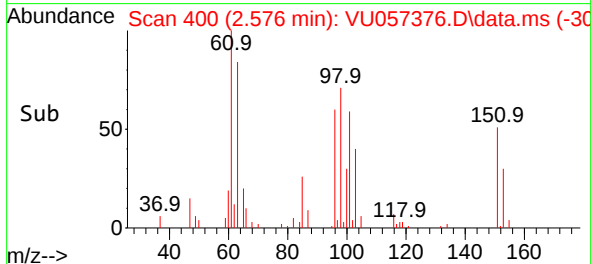
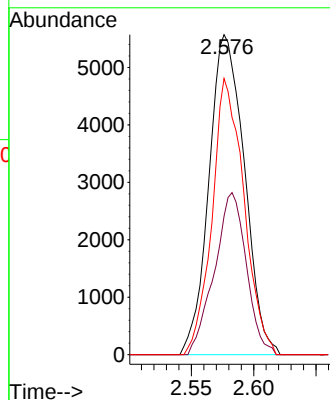
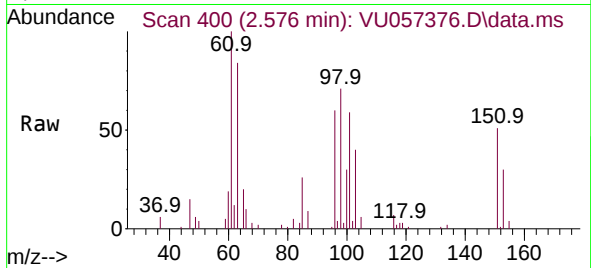




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.583 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

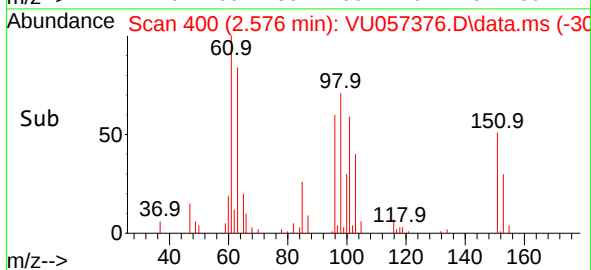
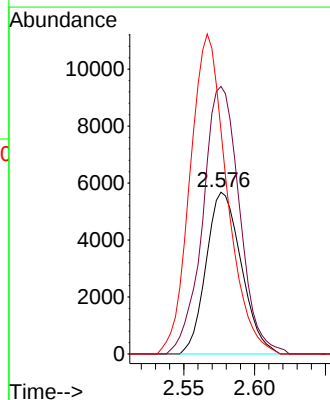
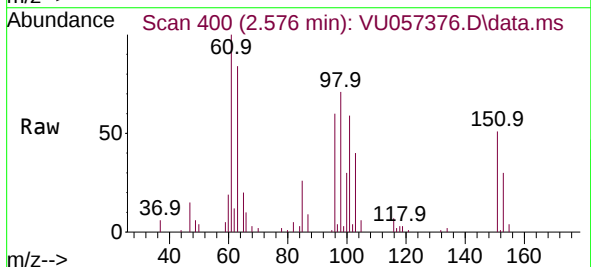
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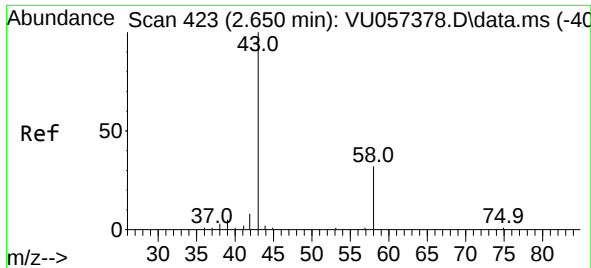
Tgt Ion:101 Resp: 11011
Ion Ratio Lower Upper
101 100
85 45.6 37.0 55.4
151 77.6 63.7 95.5



#12
1,1-Dichloroethene
Concen: 5.647 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

Tgt Ion: 96 Resp: 9827
Ion Ratio Lower Upper
96 100
61 165.5 128.3 238.3
63 138.2 90.4 168.0





#13

Acetone

Concen: 10.620 ug/L

RT: 2.647 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU057376.D

Acq: 08 Jan 2024 11:34

Instrument :

MSVOA_U

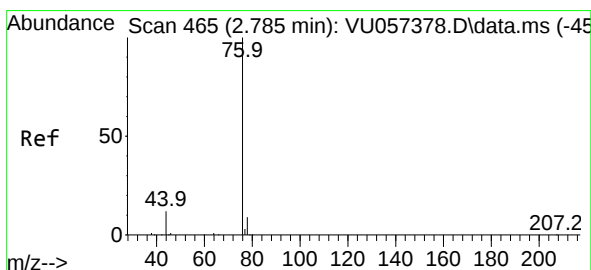
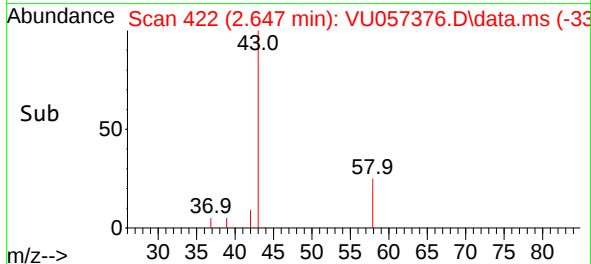
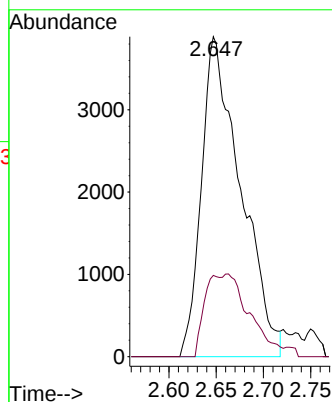
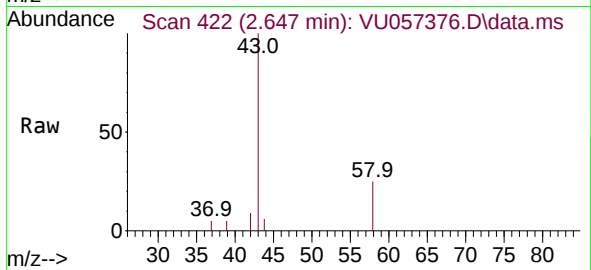
ClientSampleId :

Tgt Ion: 43 Resp: 11217

Ion Ratio Lower Upper

43 100

58 10.5 0.0 65.2



#14

Carbon disulfide

Concen: 5.394 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.006 min

Lab File: VU057376.D

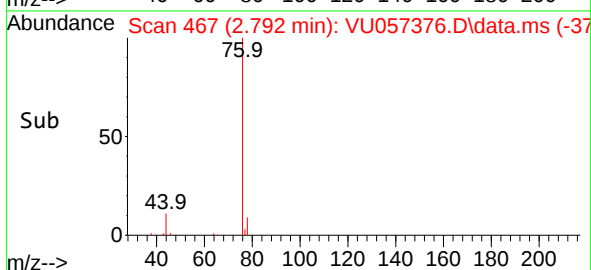
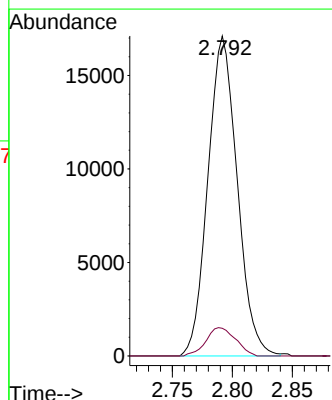
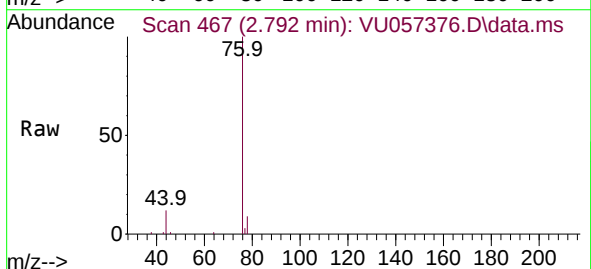
Acq: 08 Jan 2024 11:34

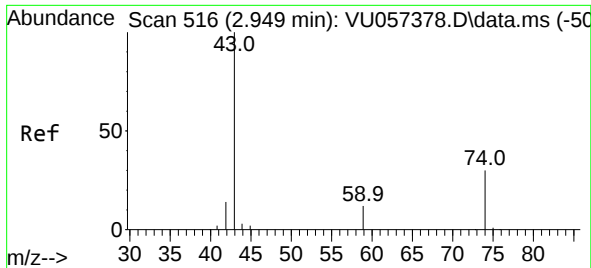
Tgt Ion: 76 Resp: 29072

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3

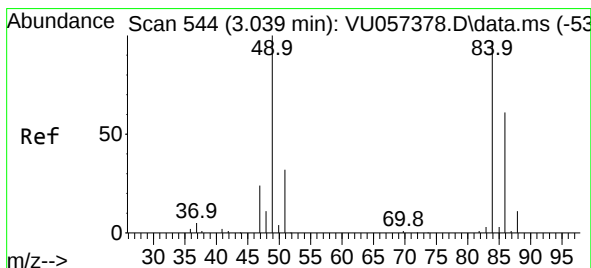
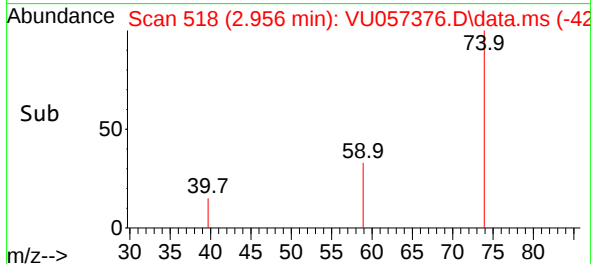
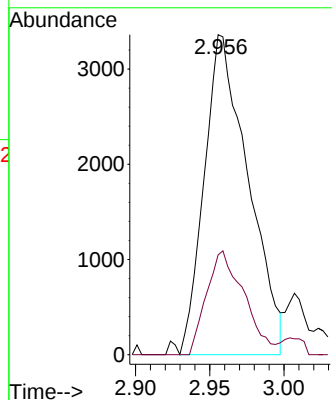
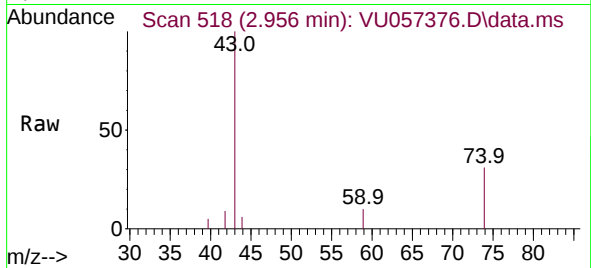




#15
Methyl Acetate
Concen: 5.084 ug/L
RT: 2.956 min Scan# 516
Delta R.T. 0.006 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

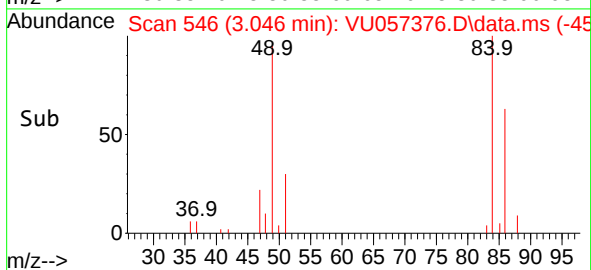
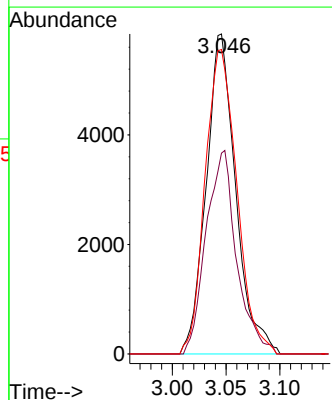
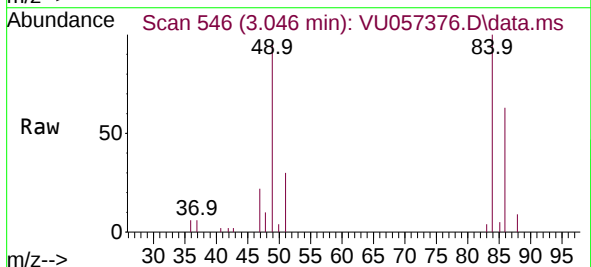
Instrument :
MSVOA_U
ClientSampleId :

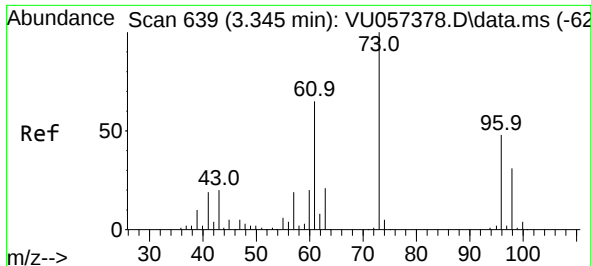
Tgt Ion: 43 Resp: 6918
Ion Ratio Lower Upper
43 100
74 27.8 24.6 36.8



#16
Methylene chloride
Concen: 5.651 ug/L
RT: 3.046 min Scan# 546
Delta R.T. 0.006 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

Tgt Ion: 84 Resp: 11182
Ion Ratio Lower Upper
84 100
86 62.7 44.3 82.3
49 95.2 72.2 134.2





#17

trans-1,2-Dichloroethene

Concen: 5.155 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.010 min

Lab File: VU057376.D

Acq: 08 Jan 2024 11:34

Instrument :

MSVOA_U

ClientSampleId :

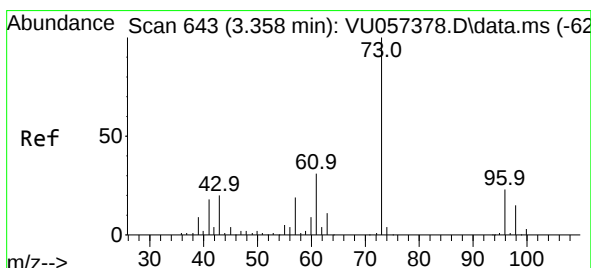
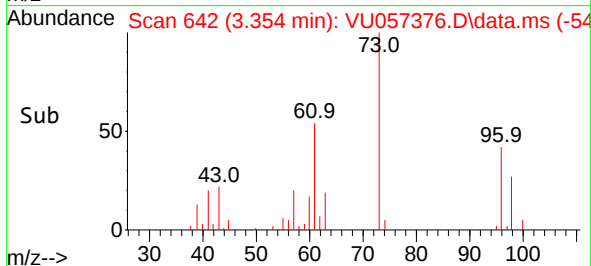
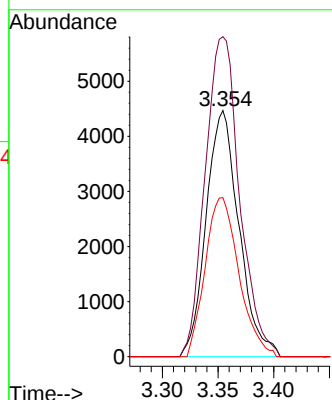
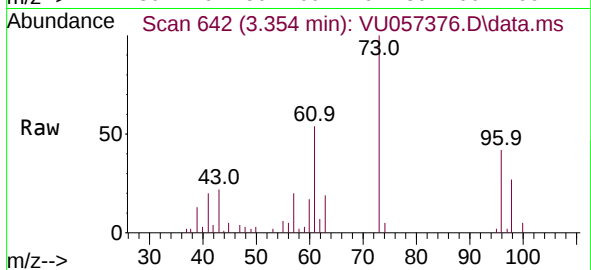
Tgt Ion: 96 Resp: 9178

Ion Ratio Lower Upper

96 100

61 130.1 93.9 174.5

98 64.6 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 4.798 ug/L

RT: 3.358 min Scan# 643

Delta R.T. -0.000 min

Lab File: VU057376.D

Acq: 08 Jan 2024 11:34

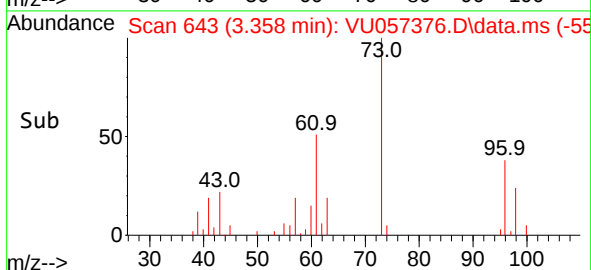
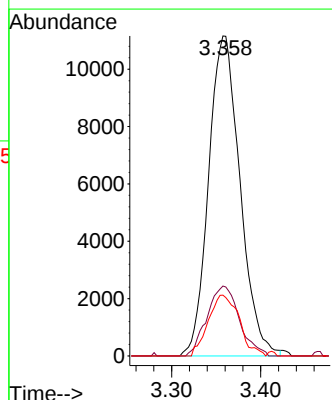
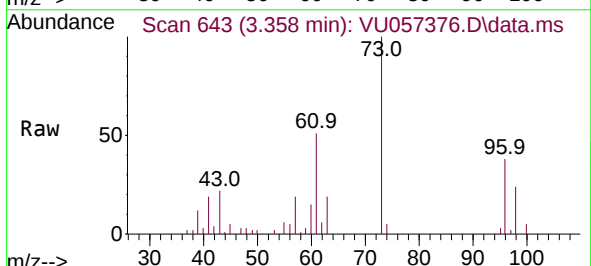
Tgt Ion: 73 Resp: 27344

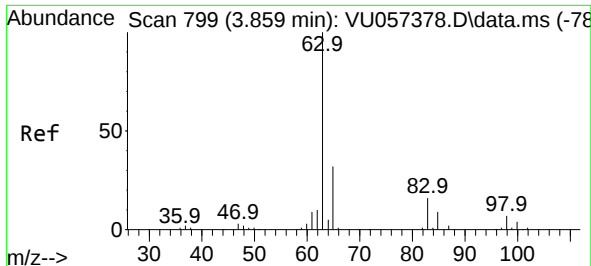
Ion Ratio Lower Upper

73 100

43 22.5 16.3 24.5

57 18.2 15.0 22.6





#19

1,1-Dichloroethane

Concen: 5.338 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU057376.D

Acq: 08 Jan 2024 11:34

Instrument :

MSVOA_U

ClientSampleId :

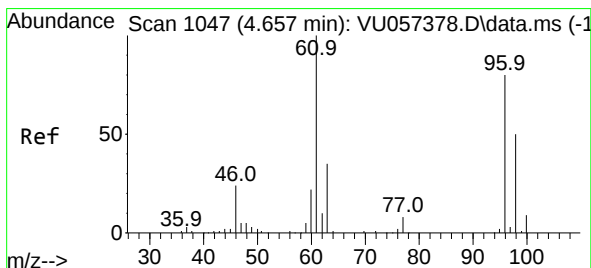
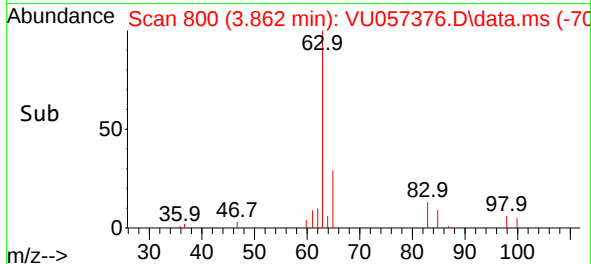
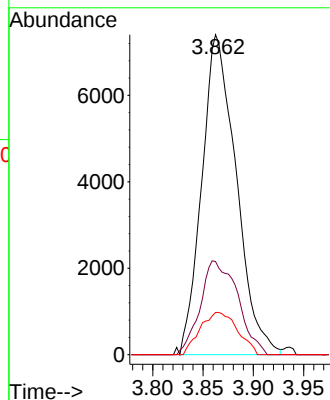
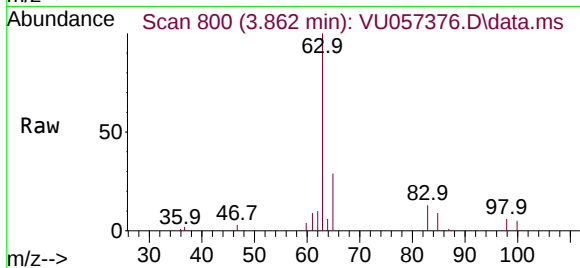
Tgt Ion: 63 Resp: 17593

Ion Ratio Lower Upper

63 100

65 29.1 22.4 41.6

83 13.2 11.3 21.1



#20

cis-1,2-Dichloroethene

Concen: 4.983 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.010 min

Lab File: VU057376.D

Acq: 08 Jan 2024 11:34

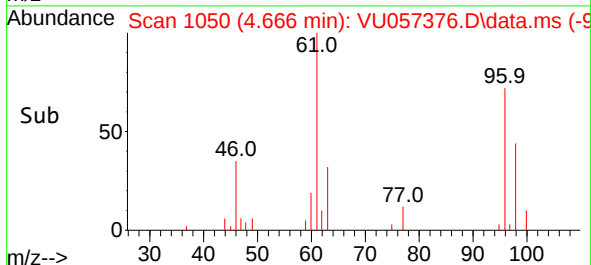
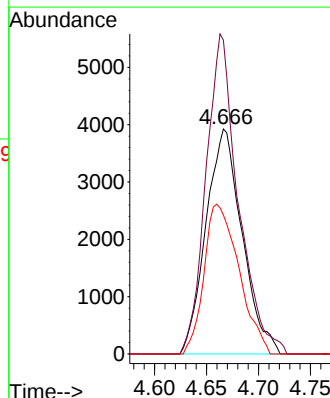
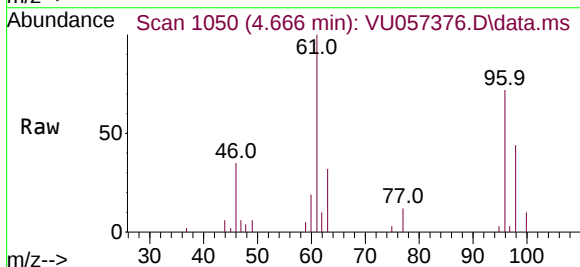
Tgt Ion: 96 Resp: 9489

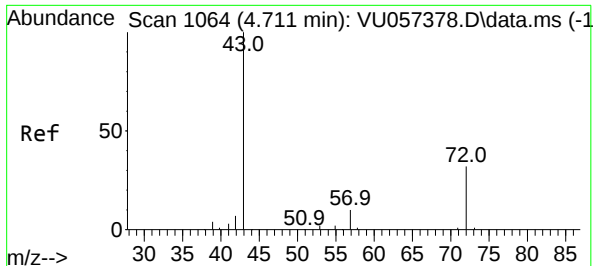
Ion Ratio Lower Upper

96 100

61 139.5 88.0 163.4

98 61.7 43.4 80.6





#22

2-Butanone

Concen: 9.098 ug/L

RT: 4.727 min Scan# 1069

Delta R.T. 0.016 min

Lab File: VU057376.D

Acq: 08 Jan 2024 11:34

Instrument :

MSVOA_U

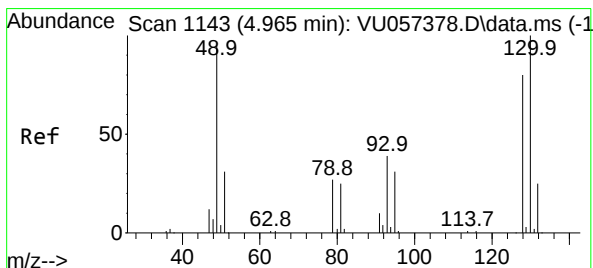
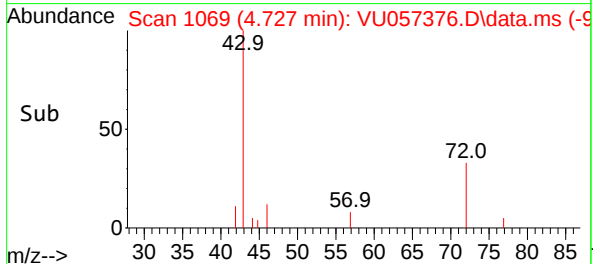
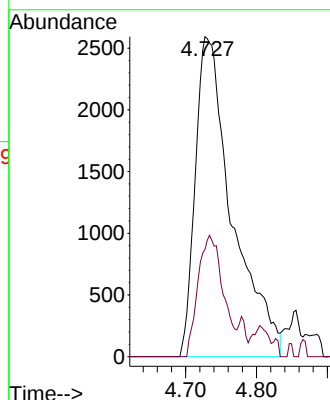
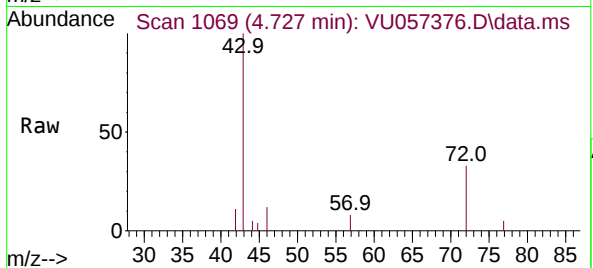
ClientSampleId :

Tgt Ion: 43 Resp: 9351

Ion Ratio Lower Upper

43 100

72 26.1 15.2 45.6



#23

Bromochloromethane

Concen: 5.478 ug/L

RT: 4.972 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VU057376.D

Acq: 08 Jan 2024 11:34

Tgt Ion: 128 Resp: 5988

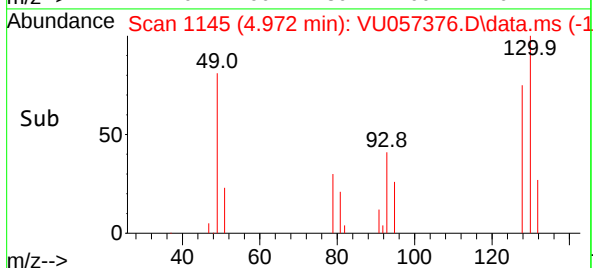
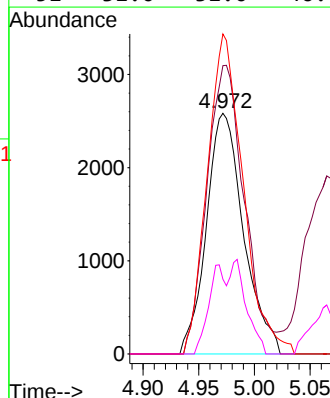
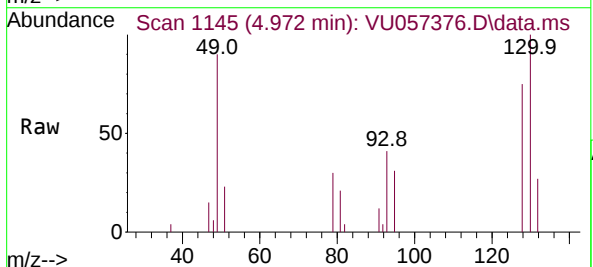
Ion Ratio Lower Upper

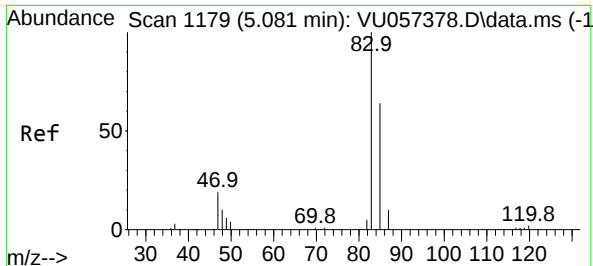
128 100

49 119.8 83.4 154.8

130 132.9 87.6 162.6

51 31.0 31.0 46.6#





#25

Chloroform

Concen: 5.346 ug/L

RT: 5.084 min Scan# 1179

Delta R.T. 0.003 min

Lab File: VU057376.D

Acq: 08 Jan 2024 11:34

Instrument :

MSVOA_U

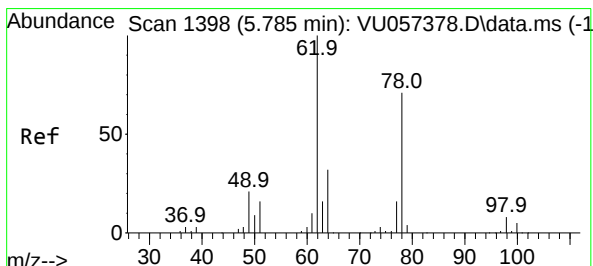
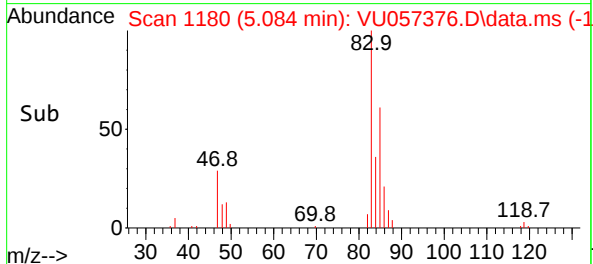
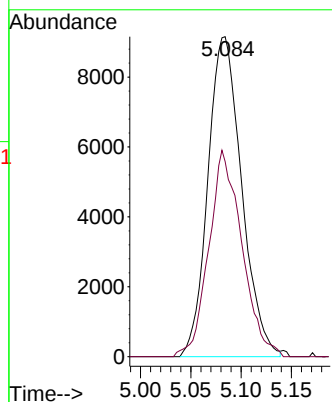
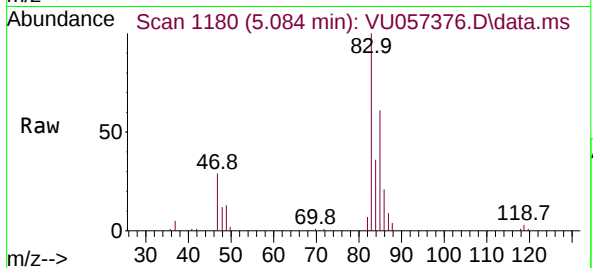
ClientSampleId :

Tgt Ion: 83 Resp: 21384

Ion Ratio Lower Upper

83 100

85 61.0 45.5 84.5



#27

1,2-Dichloroethane

Concen: 5.242 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.010 min

Lab File: VU057376.D

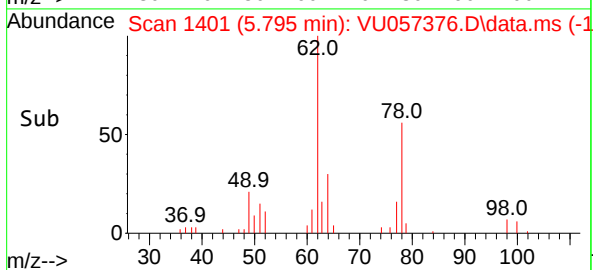
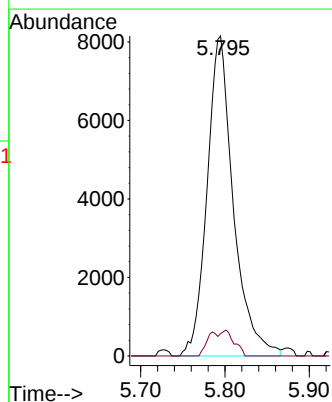
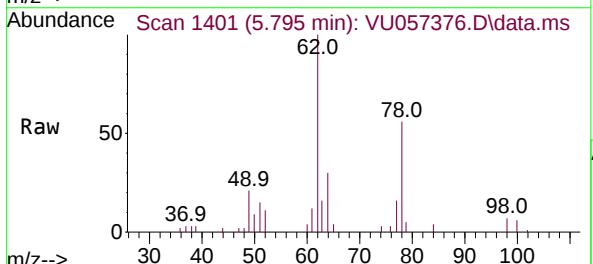
Acq: 08 Jan 2024 11:34

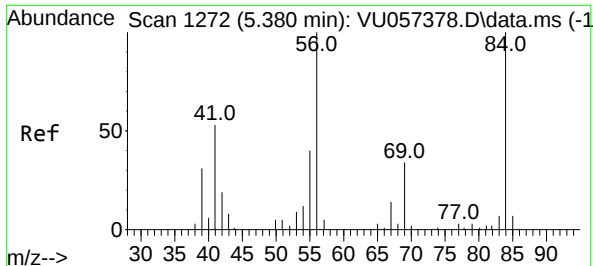
Tgt Ion: 62 Resp: 17661

Ion Ratio Lower Upper

62 100

98 6.9 6.1 9.1





#29

Cyclohexane

Concen: 4.656 ug/L

RT: 5.383 min Scan# 11

Delta R.T. 0.003 min

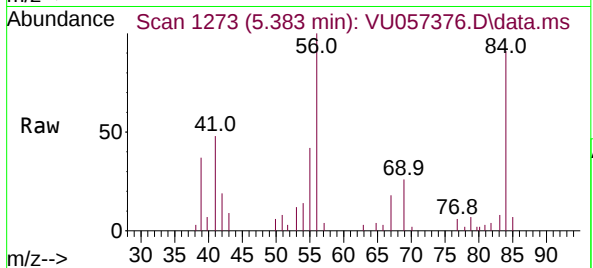
Lab File: VU057376.D

Acq: 08 Jan 2024 11:34

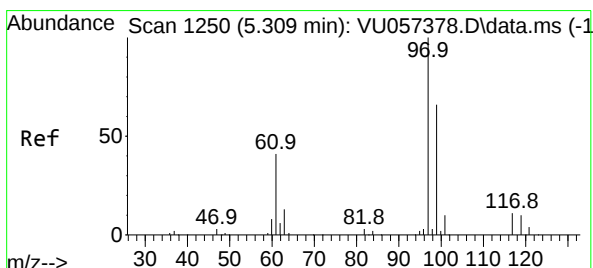
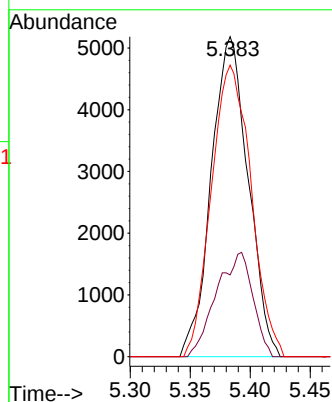
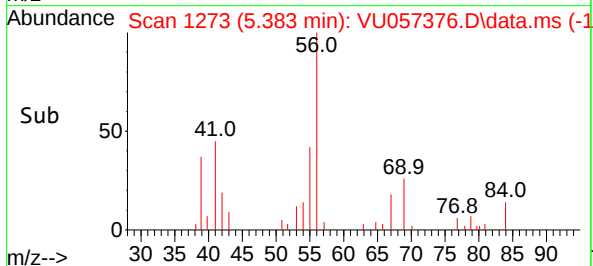
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	56	Resp:	11079
Ion	Ratio	Lower	Upper
56	100		
69	14.8	27.8	41.8#
84	97.9	79.3	118.9



#30

1,1,1-Trichloroethane

Concen: 5.286 ug/L

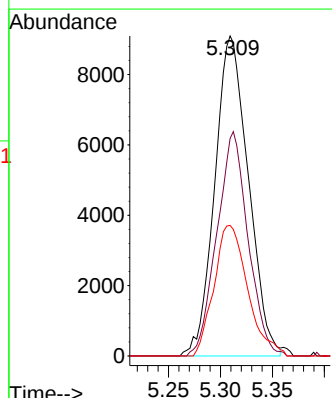
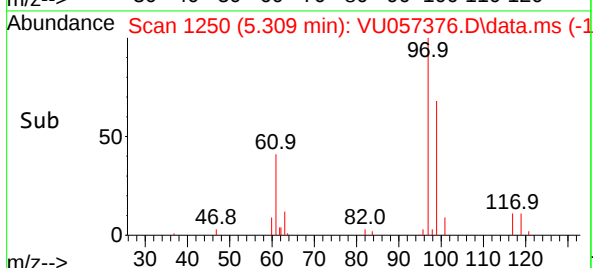
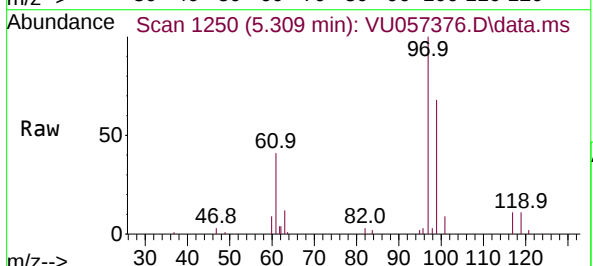
RT: 5.309 min Scan# 1250

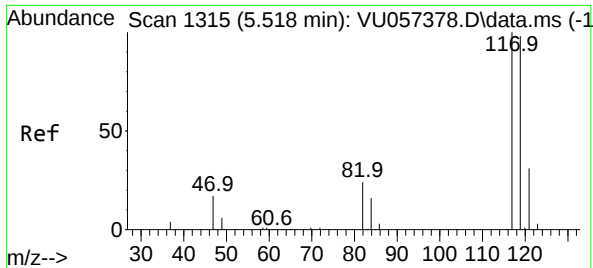
Delta R.T. -0.000 min

Lab File: VU057376.D

Acq: 08 Jan 2024 11:34

Tgt Ion:	97	Resp:	20455
Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.1	78.1
61	40.9	31.9	47.9

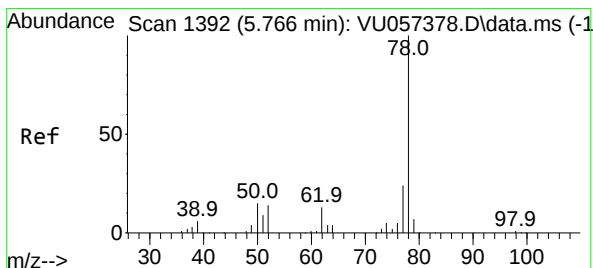
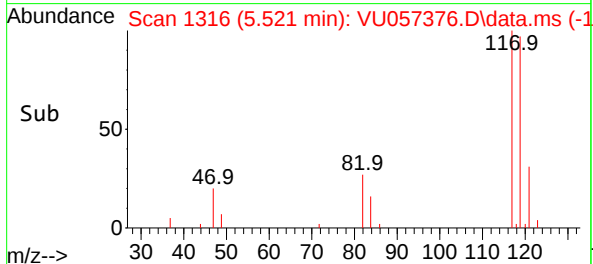
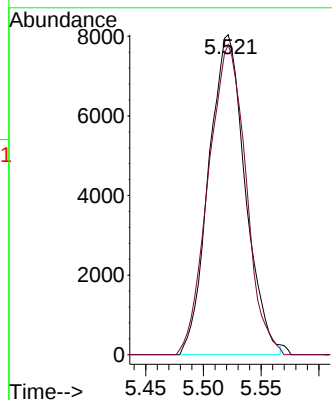
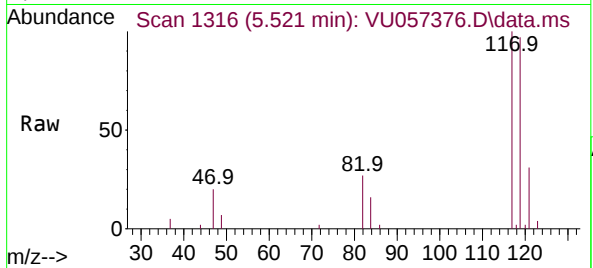




#31
Carbon tetrachloride
Concen: 5.147 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

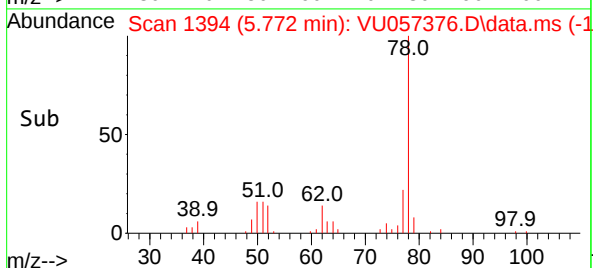
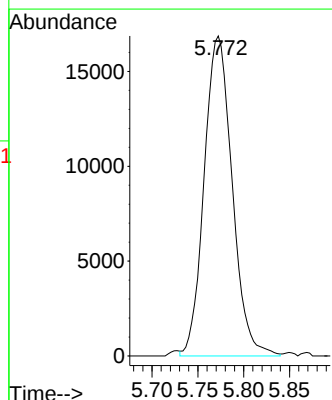
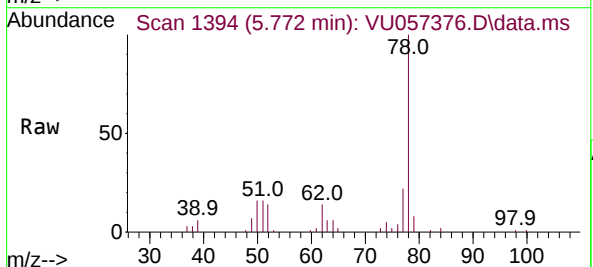
Instrument :
MSVOA_U
ClientSampleId :

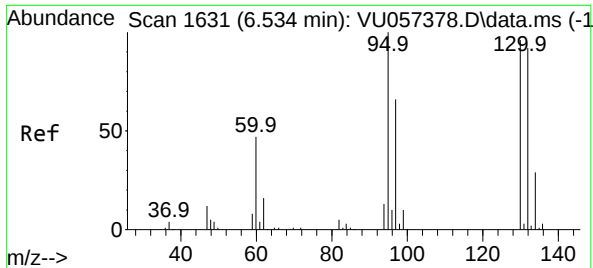
Tgt Ion:117 Resp: 17665
Ion Ratio Lower Upper
117 100
119 99.7 76.5 114.7



#33
Benzene
Concen: 5.076 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.006 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

Tgt Ion: 78 Resp: 35881



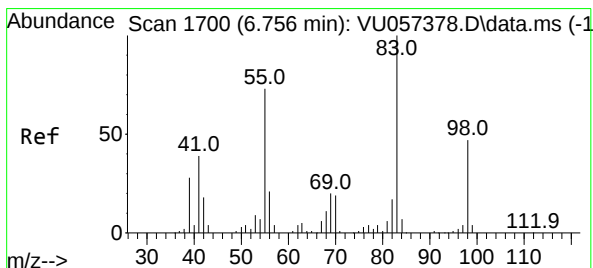
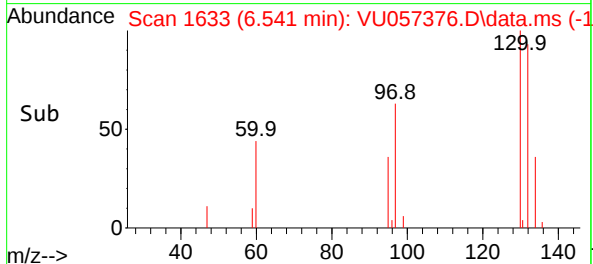
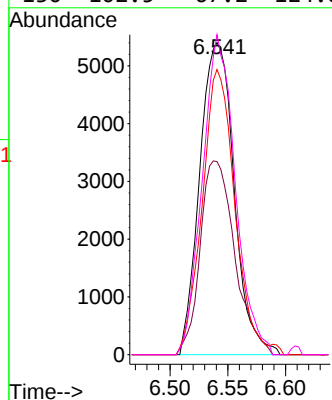
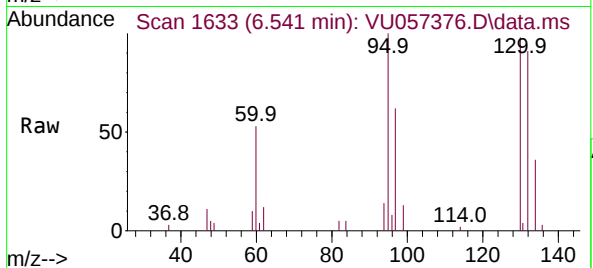


#34
Trichloroethene
Concen: 5.414 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.006 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 11173

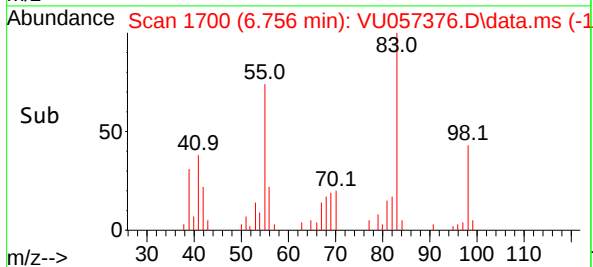
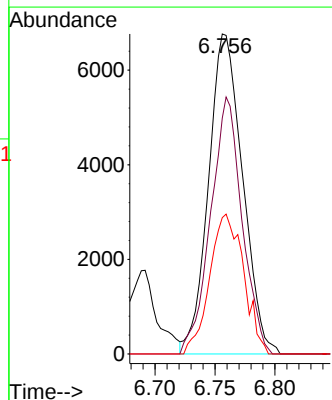
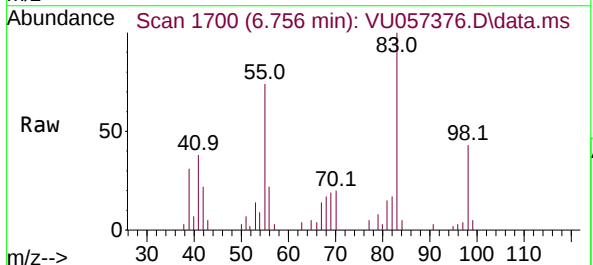
Ion	Ratio	Lower	Upper
95	100		
97	61.9	46.2	85.8
132	91.3	64.3	119.5
130	102.5	67.2	124.8

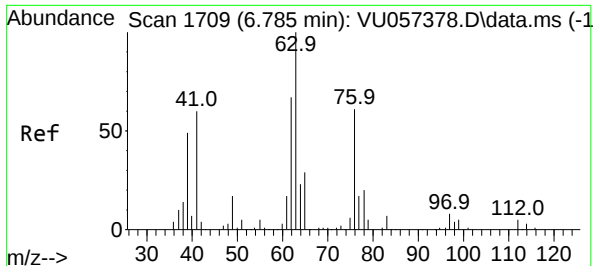


#35
Methylcyclohexane
Concen: 4.760 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

Tgt Ion: 83 Resp: 13365

Ion	Ratio	Lower	Upper
83	100		
55	74.1	58.0	87.0
98	43.6	36.6	55.0





#37

1,2-Dichloropropane

Concen: 5.326 ug/L

RT: 6.788 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU057376.D

Acq: 08 Jan 2024 11:34

Instrument :

MSVOA_U

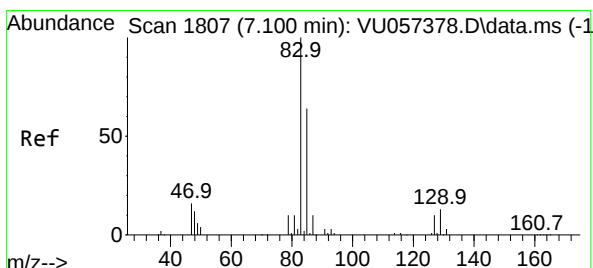
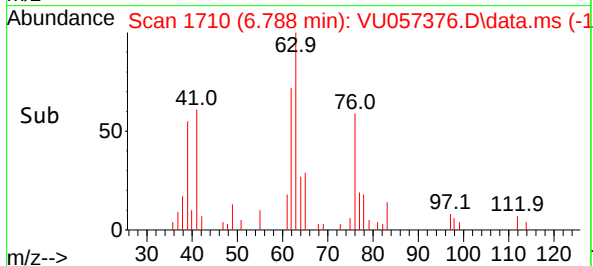
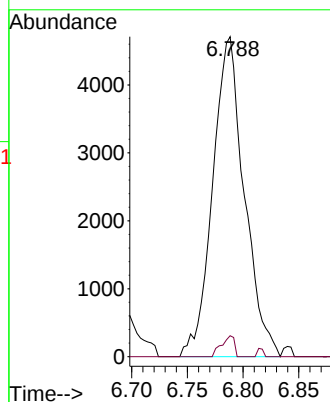
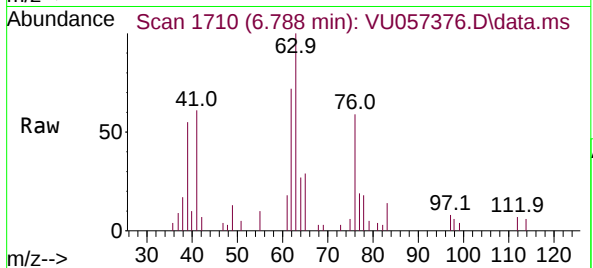
ClientSampleId :

Tgt Ion: 63 Resp: 9290

Ion Ratio Lower Upper

63 100

112 2.7 3.8 5.8#



#38

Bromodichloromethane

Concen: 5.353 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU057376.D

Acq: 08 Jan 2024 11:34

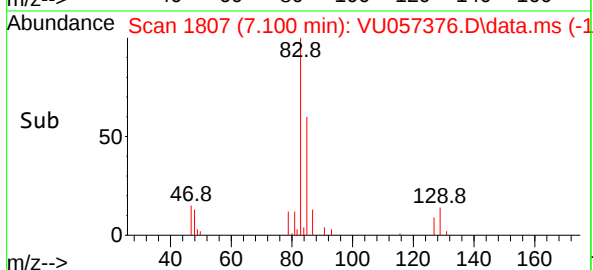
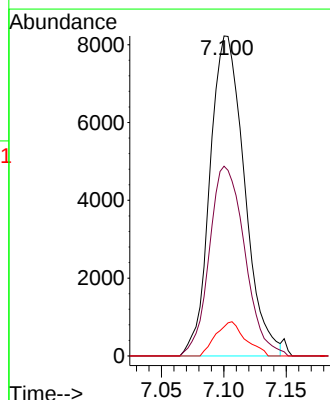
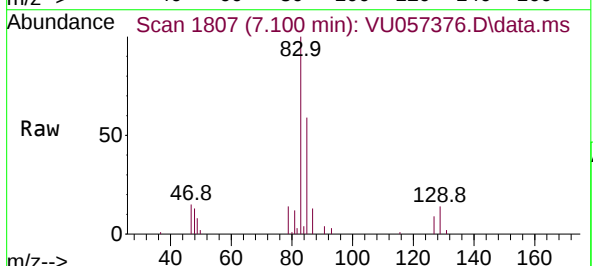
Tgt Ion: 83 Resp: 15818

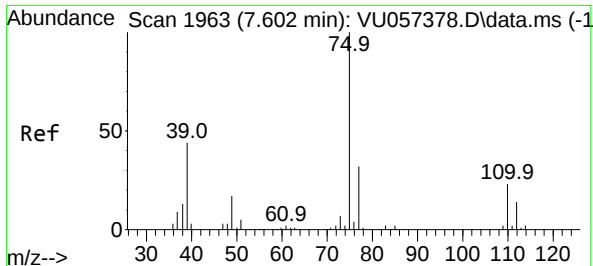
Ion Ratio Lower Upper

83 100

85 59.3 44.7 83.1

127 9.1 7.7 11.5





#39

cis-1,3-Dichloropropene

Concen: 4.732 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU057376.D

Acq: 08 Jan 2024 11:34

Instrument :

MSVOA_U

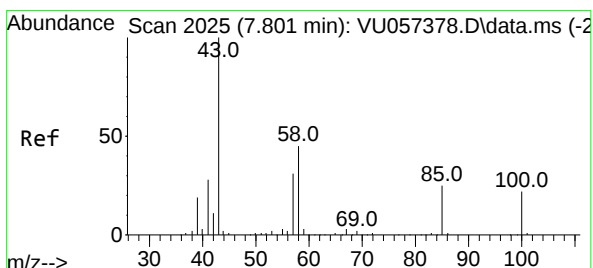
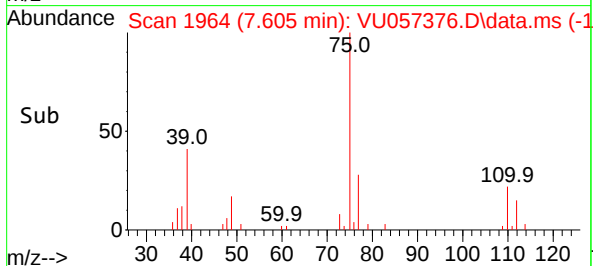
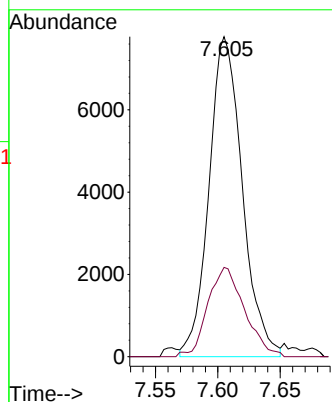
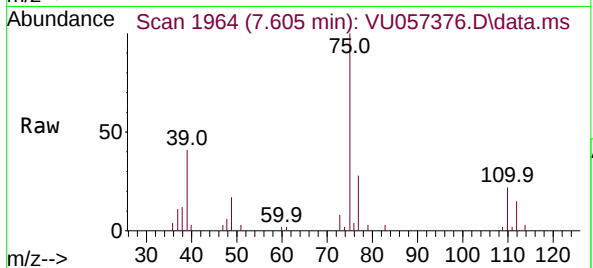
ClientSampleId :

Tgt Ion: 75 Resp: 14455

Ion Ratio Lower Upper

75 100

77 27.9 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 8.546 ug/L

RT: 7.791 min Scan# 2022

Delta R.T. -0.010 min

Lab File: VU057376.D

Acq: 08 Jan 2024 11:34

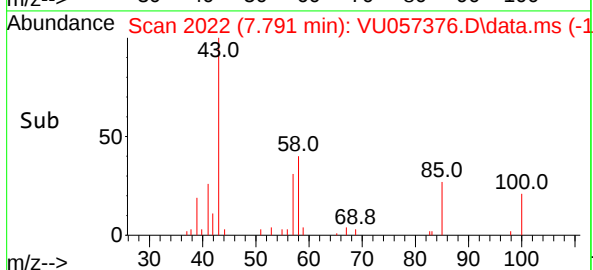
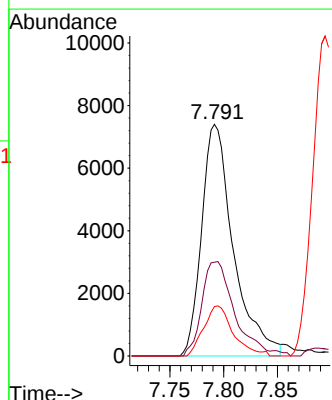
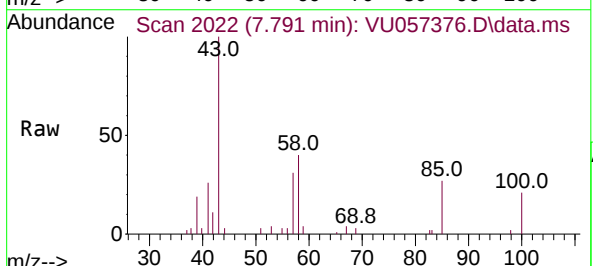
Tgt Ion: 43 Resp: 15189

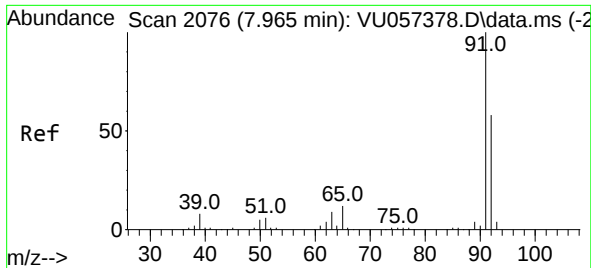
Ion Ratio Lower Upper

43 100

58 41.3 36.2 54.4

100 19.7 16.6 24.8





#42

Toluene

Concen: 4.758 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU057376.D

Acq: 08 Jan 2024 11:34

Instrument :

MSVOA_U

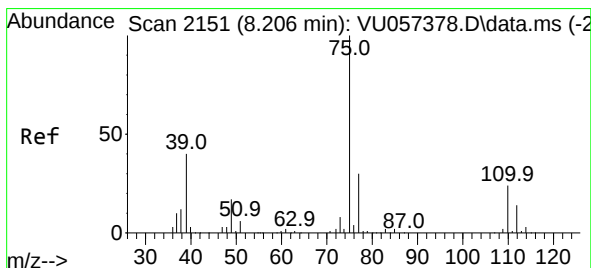
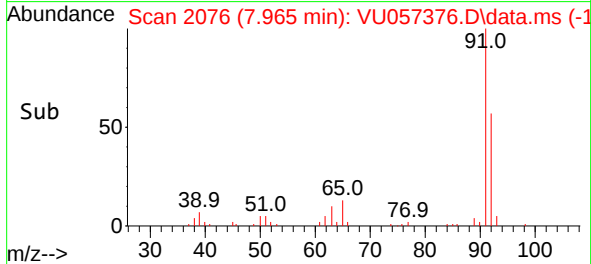
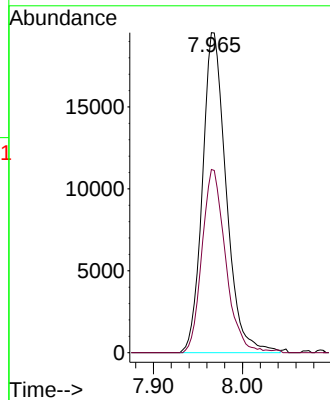
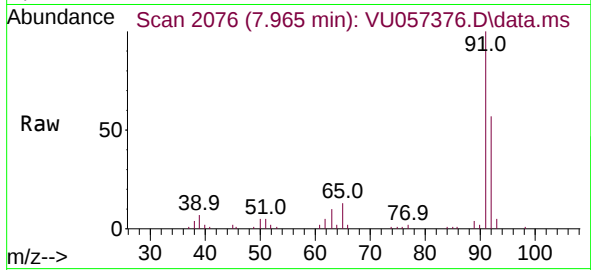
ClientSampleId :

Tgt Ion: 91 Resp: 36164

Ion Ratio Lower Upper

91 100

92 57.2 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 4.675 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU057376.D

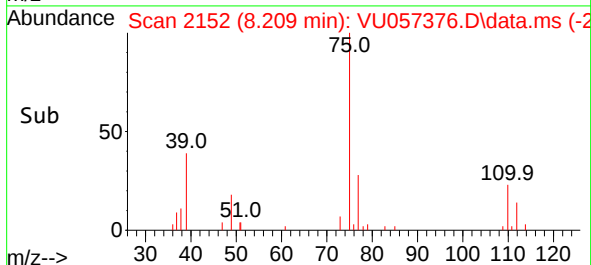
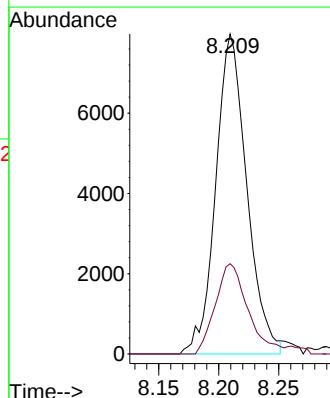
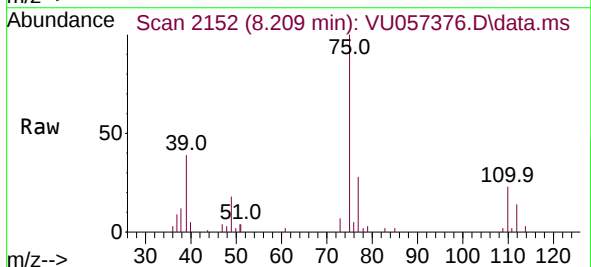
Acq: 08 Jan 2024 11:34

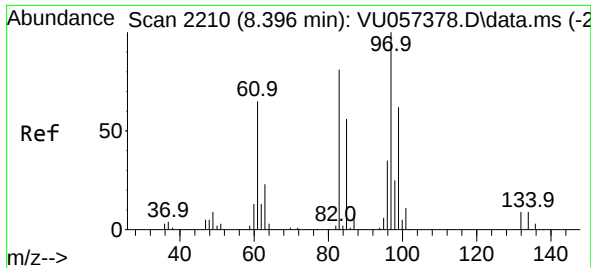
Tgt Ion: 75 Resp: 14337

Ion Ratio Lower Upper

75 100

77 28.2 21.3 39.5

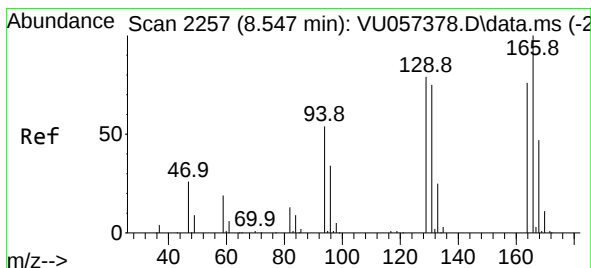
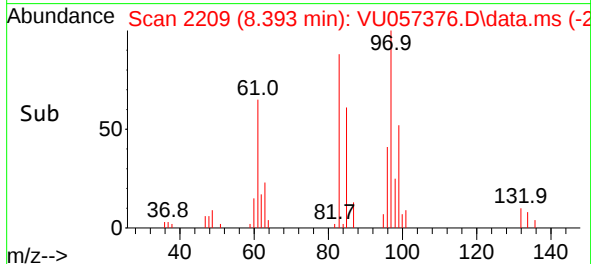
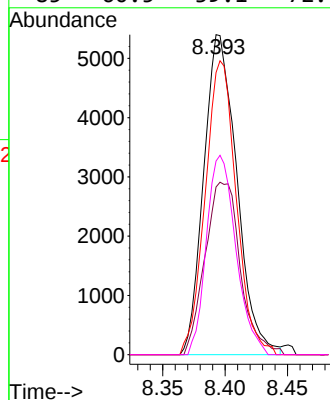
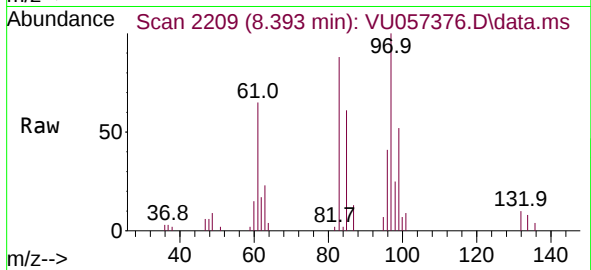




#45
1,1,2-Trichloroethane
Concen: 5.195 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

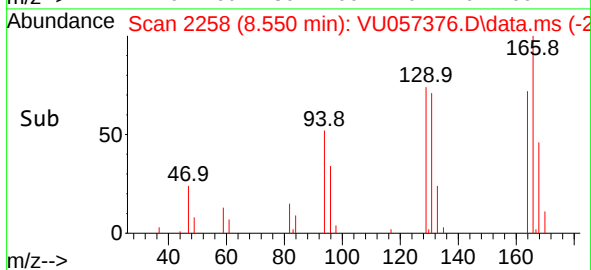
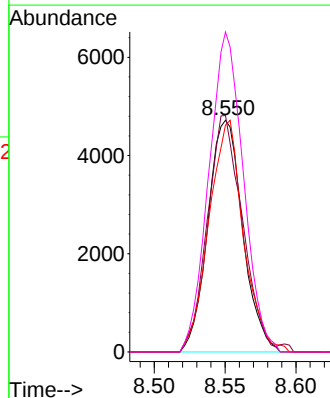
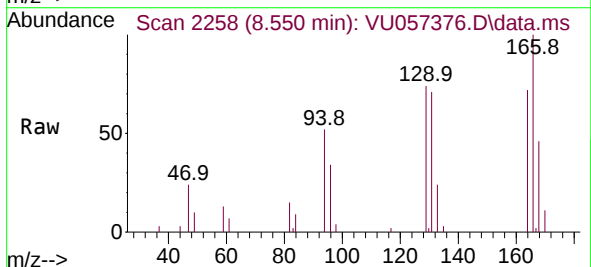
Instrument :
MSVOA_U
ClientSampleId :

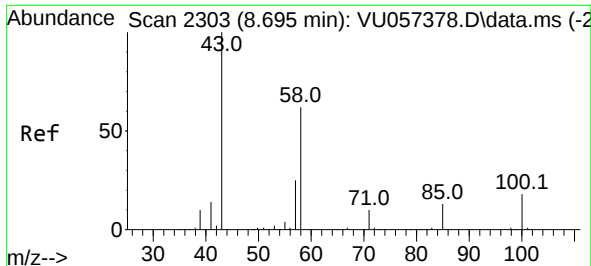
Tgt Ion: 97	Resp: 9971
Ion Ratio	Lower Upper
97 100	
99 52.4	43.3 80.5
83 88.2	56.9 105.7
85 60.5	39.1 72.7



#46
Tetrachloroethene
Concen: 5.156 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

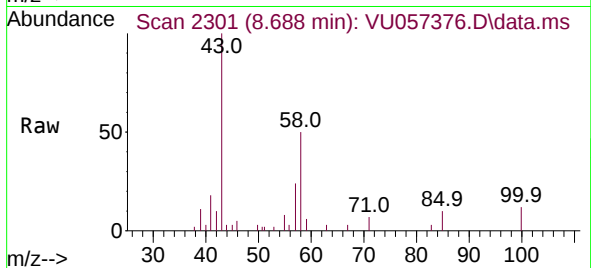
Tgt Ion:164	Resp: 8049
Ion Ratio	Lower Upper
164 100	
129 102.1	72.3 134.3
131 98.0	68.8 127.8
166 138.2	91.8 170.4



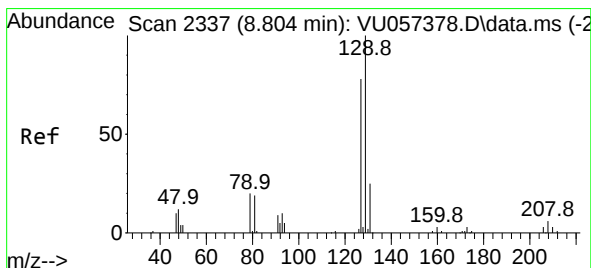
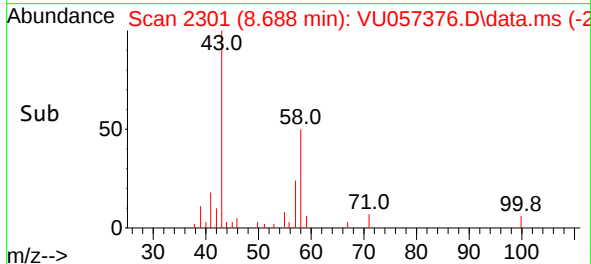
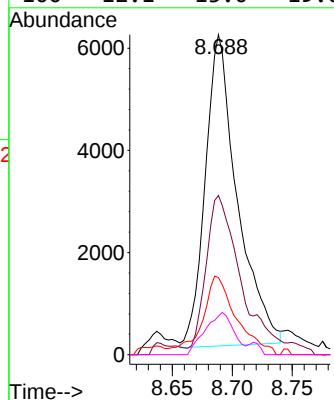


#48
2-Hexanone
Concen: 7.764 ug/L
RT: 8.688 min Scan# 21315
Delta R.T. -0.006 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

Instrument :
MSVOA_U
ClientSampleId :

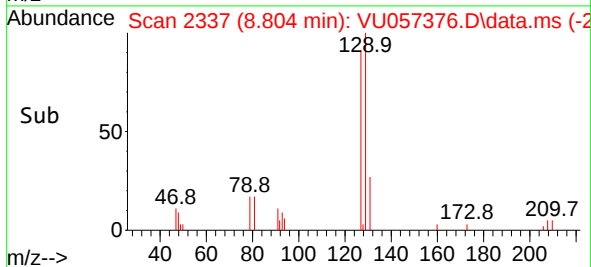
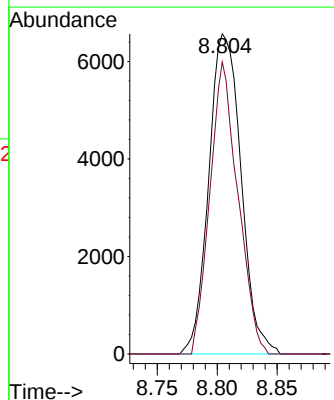
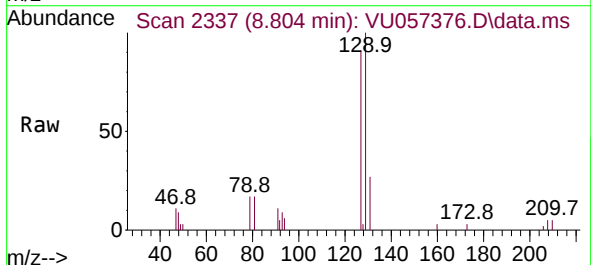


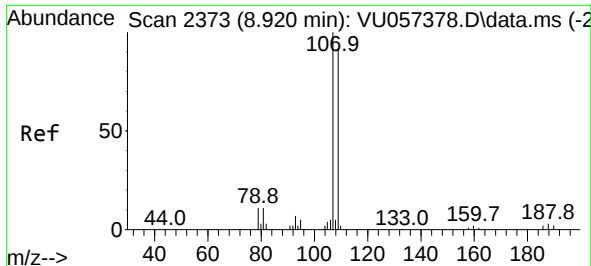
Tgt Ion:	43	58	57	100	Resp:	11315
Ion Ratio	100	45.7	24.8	12.1	Lower	Upper
		49.4	19.1	13.0		
				19.6#		



#49
Dibromochloromethane
Concen: 5.254 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

Tgt Ion:	129	127	Resp:	12288
Ion Ratio	100	91.3	Lower	Upper
		54.5		101.1





#50

1,2-Dibromoethane

Concen: 4.786 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU057376.D

Acq: 08 Jan 2024 11:34

Instrument :

MSVOA_U

ClientSampleId :

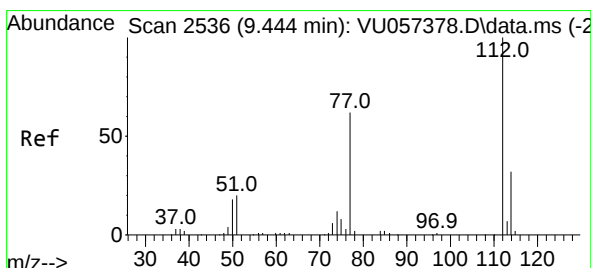
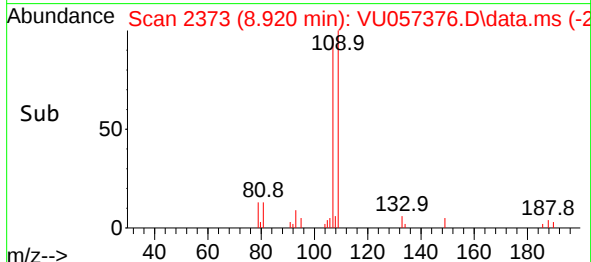
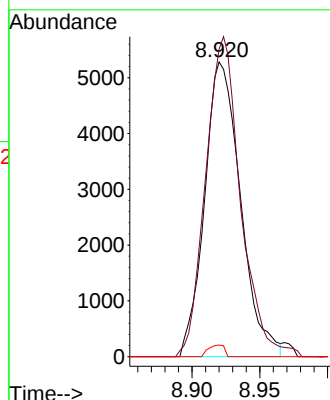
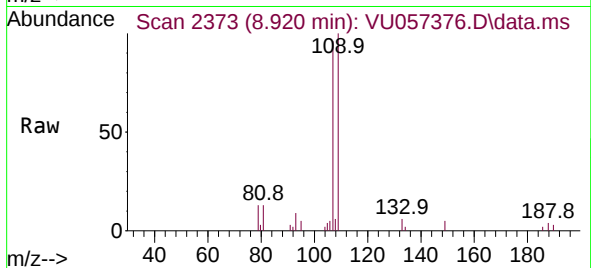
Tgt Ion:107 Resp: 9743

Ion Ratio Lower Upper

107 100

109 104.3 64.4 119.6

188 4.0 2.8 4.2



#51

Chlorobenzene

Concen: 5.055 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU057376.D

Acq: 08 Jan 2024 11:34

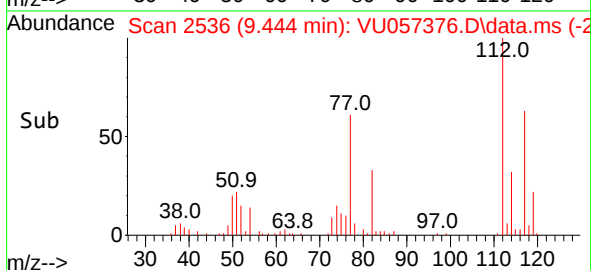
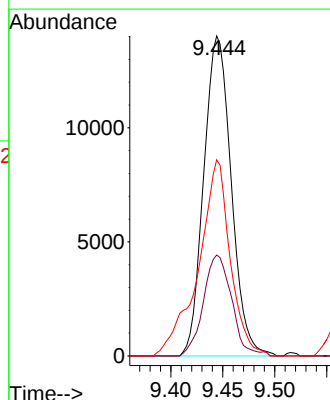
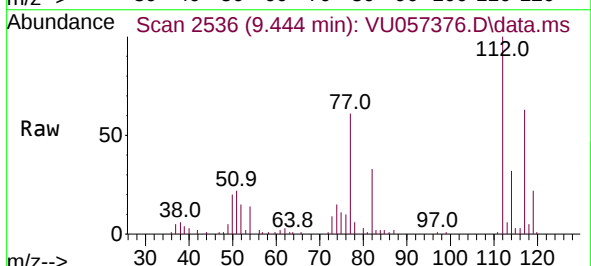
Tgt Ion:112 Resp: 25815

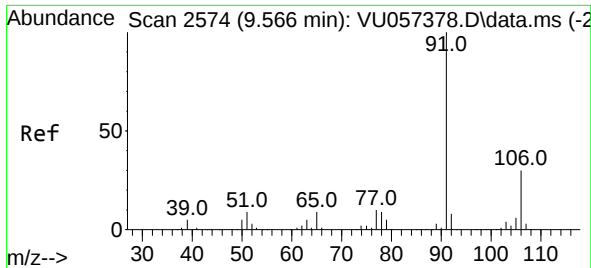
Ion Ratio Lower Upper

112 100

114 31.6 22.5 41.7

77 61.3 50.1 75.1

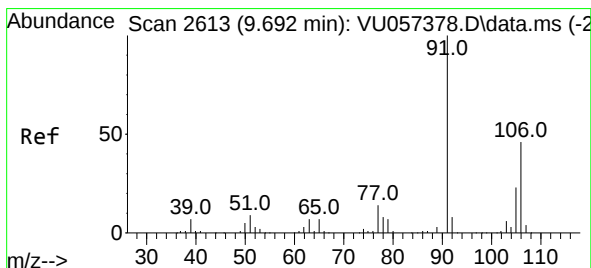
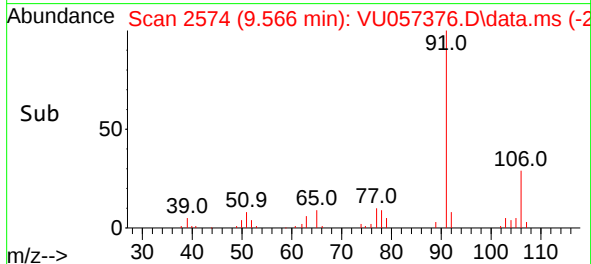
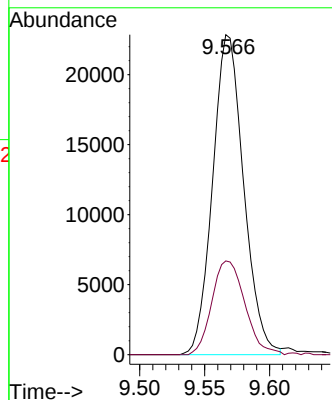
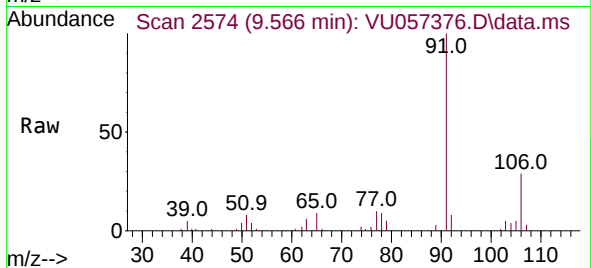




#52
Ethylbenzene
Concen: 4.480 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. -0.000 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

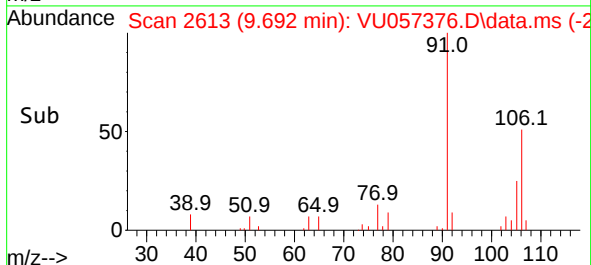
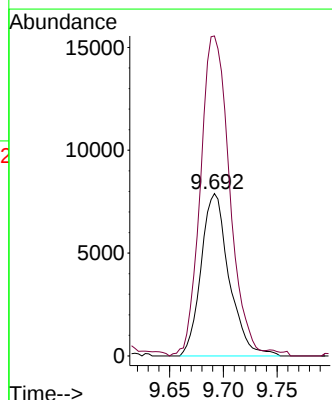
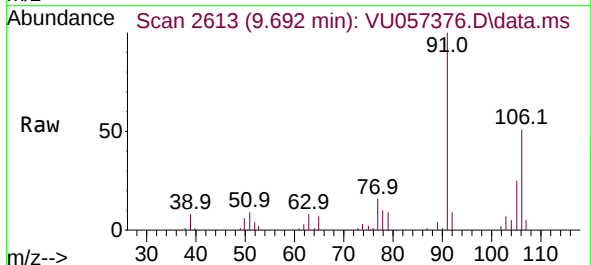
Instrument :
MSVOA_U
ClientSampleId :

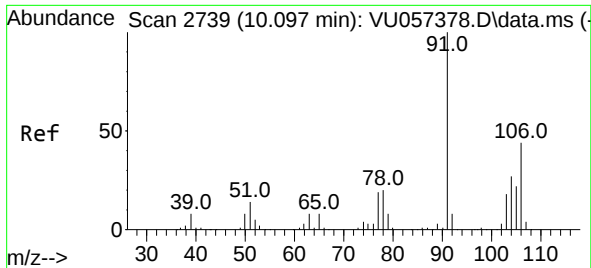
Tgt Ion: 91 Resp: 37921
Ion Ratio Lower Upper
91 100
106 29.3 21.0 39.0



#53
m,p-Xylene
Concen: 4.523 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

Tgt Ion: 106 Resp: 14312
Ion Ratio Lower Upper
106 100
91 197.1 151.8 281.8

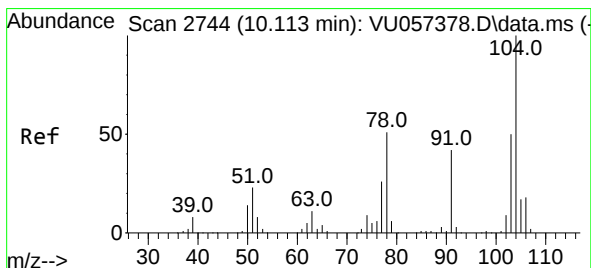
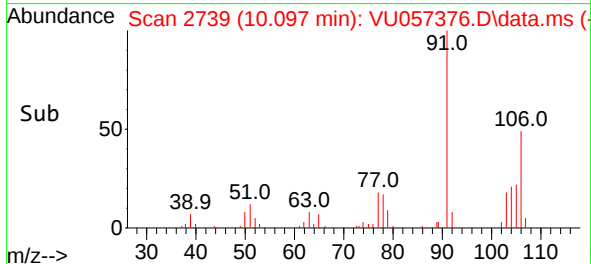
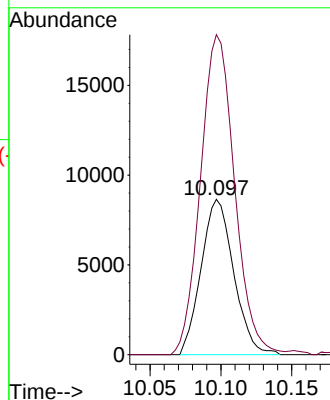
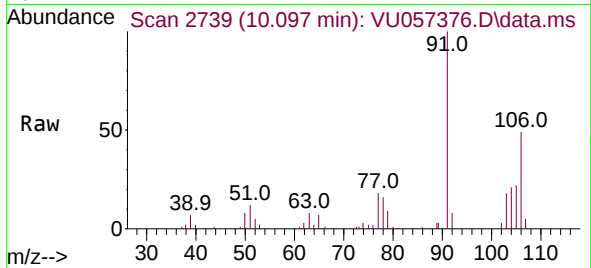




#54
o-Xylene
Concen: 4.476 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

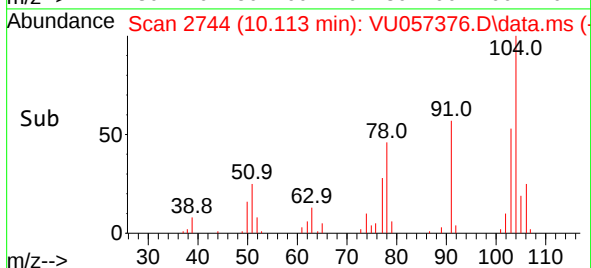
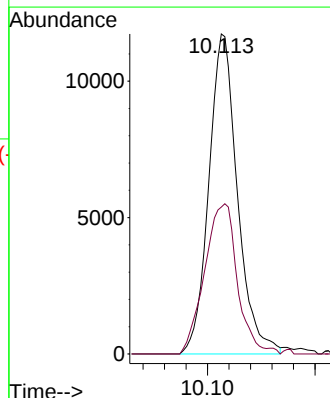
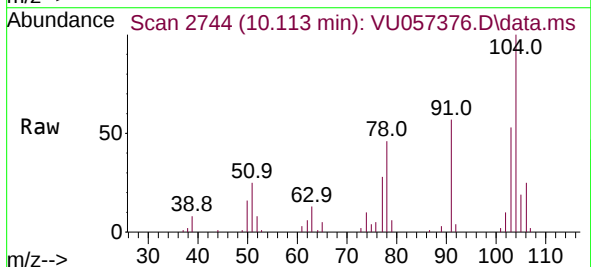
Instrument :
MSVOA_U
ClientSampleId :

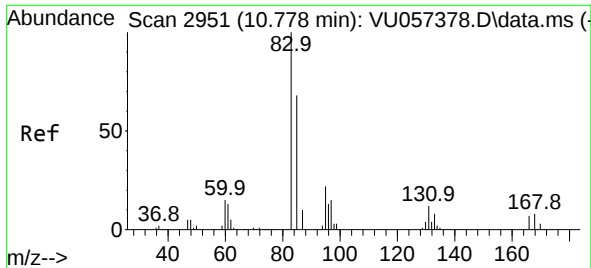
Tgt Ion:106 Resp: 13832
Ion Ratio Lower Upper
106 100
91 187.9 160.4 297.8



#55
Styrene
Concen: 4.144 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

Tgt Ion:104 Resp: 21682
Ion Ratio Lower Upper
104 100
78 45.9 35.8 66.6

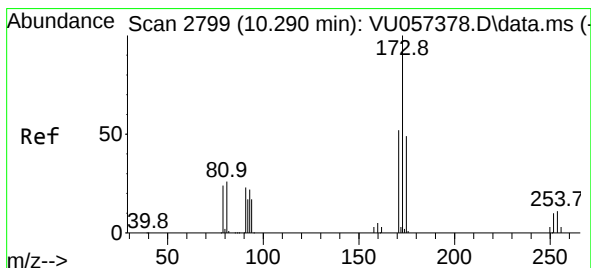
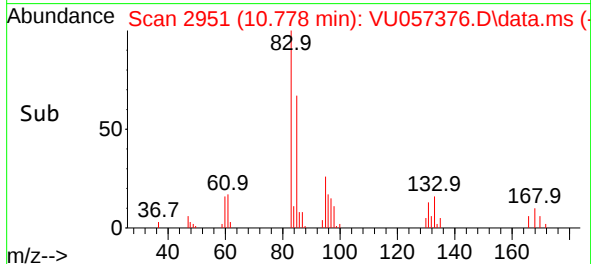
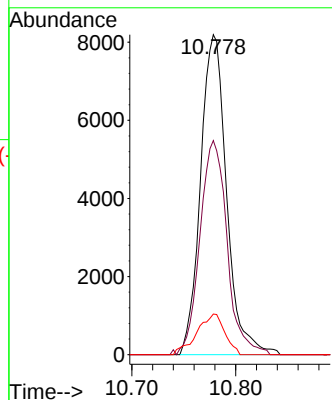
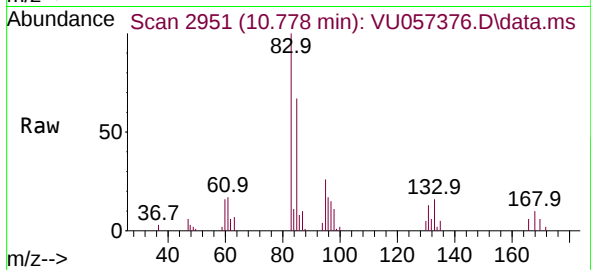




#57
1,1,2,2-Tetrachloroethane
Concen: 4.931 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

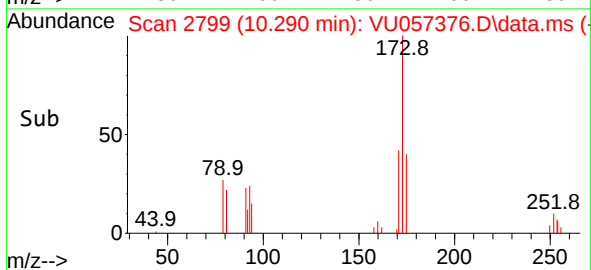
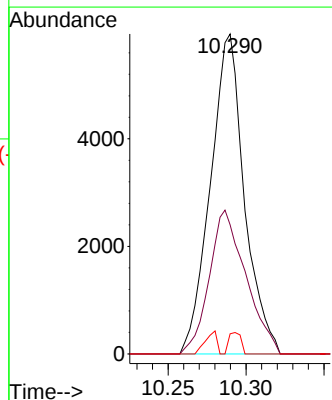
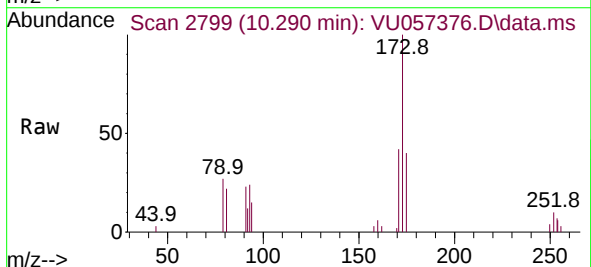
Instrument :
MSVOA_U
ClientSampleId :

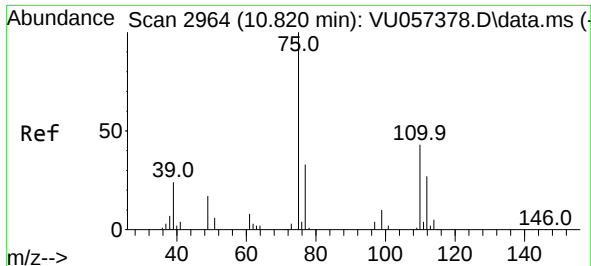
Tgt Ion: 83 Resp: 14272
Ion Ratio Lower Upper
83 100
85 66.9 47.9 88.9
131 12.7 9.8 14.8



#59
Bromoform
Concen: 5.456 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. -0.000 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

Tgt Ion:173 Resp: 9003
Ion Ratio Lower Upper
173 100
175 48.5 38.4 57.6
254 2.4 7.9 11.9#

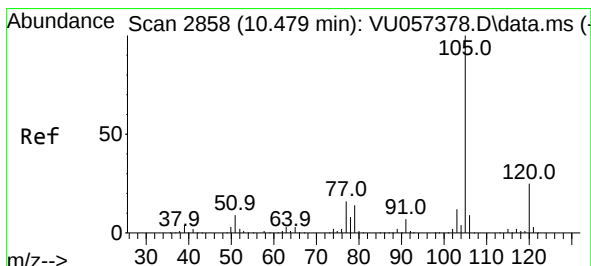
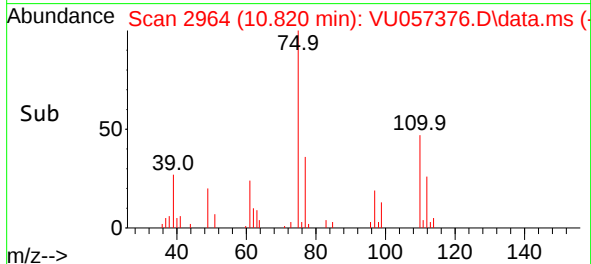
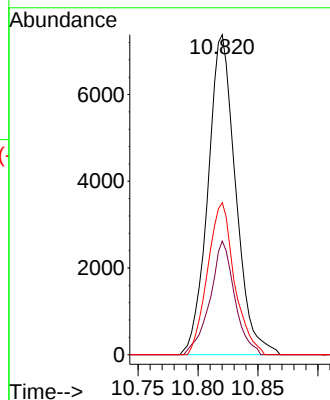
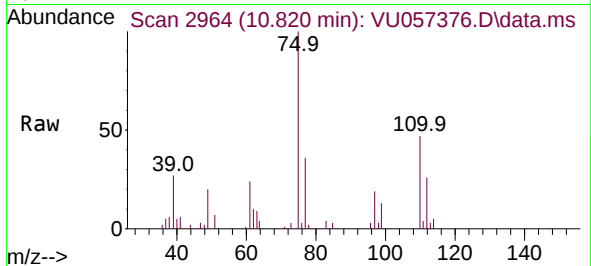




#60
1,2,3-Trichloropropane
Concen: 5.500 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. -0.000 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

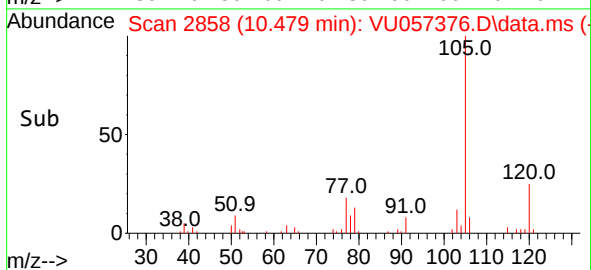
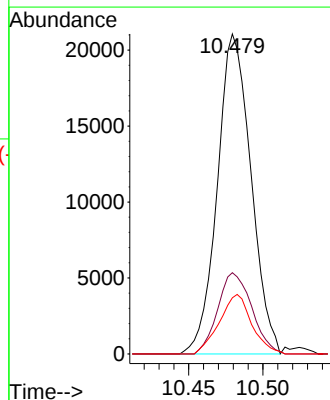
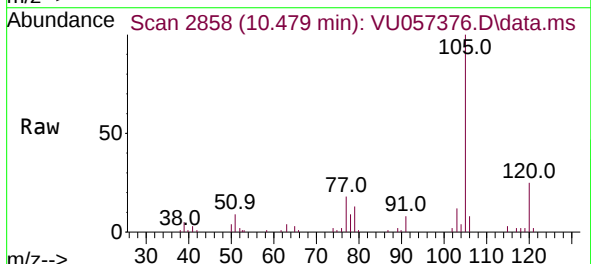
Instrument :
MSVOA_U
ClientSampleId :

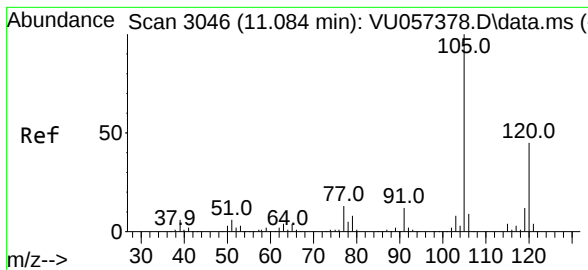
Tgt Ion:	75	Resp:	11854
Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.0	39.0
110	45.9	33.6	50.4



#61
Isopropylbenzene
Concen: 4.452 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

Tgt Ion:	105	Resp:	33176
Ion	Ratio	Lower	Upper
105	100		
120	25.7	19.9	29.9
77	17.9	13.3	19.9

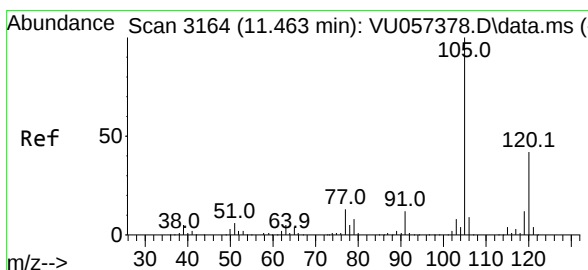
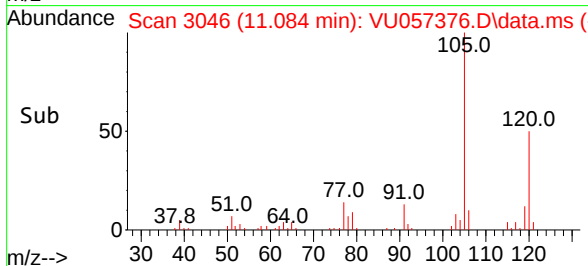
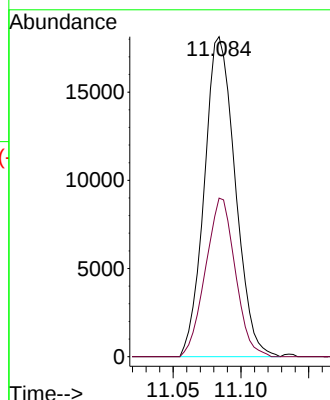
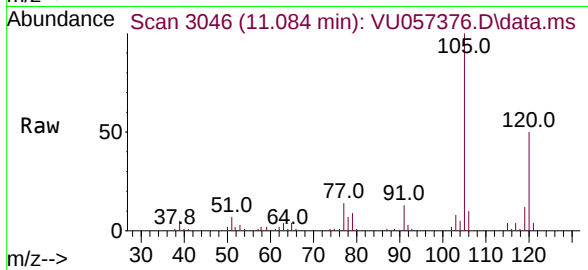




#62
1,3,5-Trimethylbenzene
Concen: 4.513 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

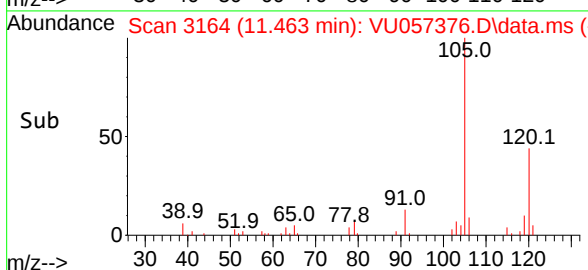
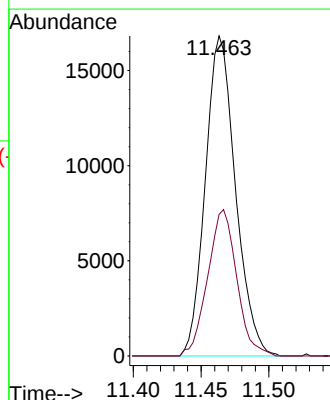
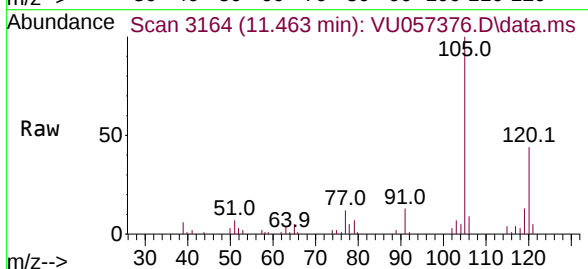
Instrument :
MSVOA_U
ClientSampleId :

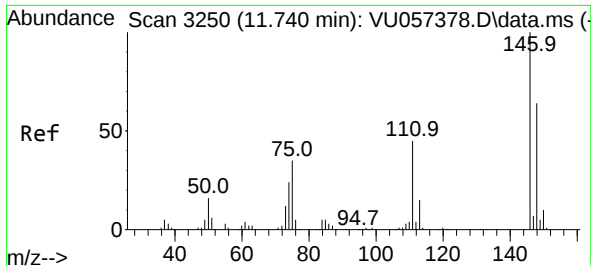
Tgt Ion:105 Resp: 28765
Ion Ratio Lower Upper
105 100
120 47.7 36.1 54.1



#63
1,2,4-Trimethylbenzene
Concen: 4.164 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

Tgt Ion:105 Resp: 26052
Ion Ratio Lower Upper
105 100
120 44.0 33.4 50.2

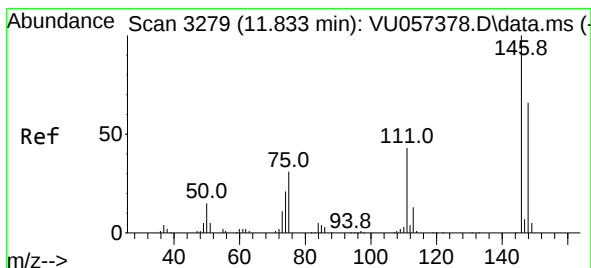
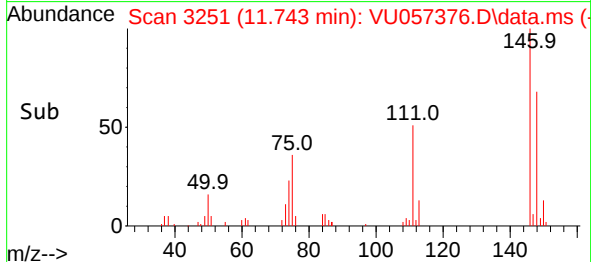
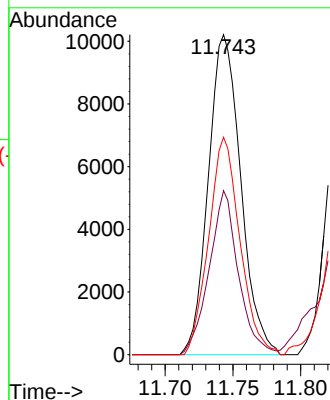
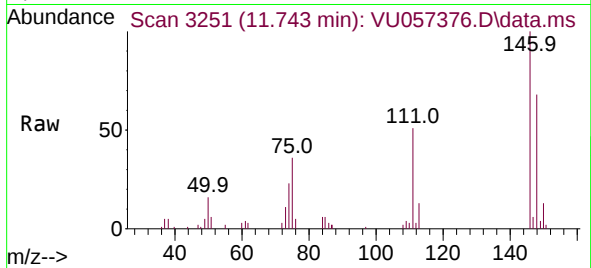




#64
1,3-Dichlorobenzene
Concen: 4.842 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

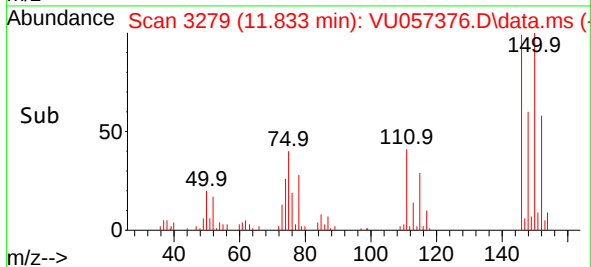
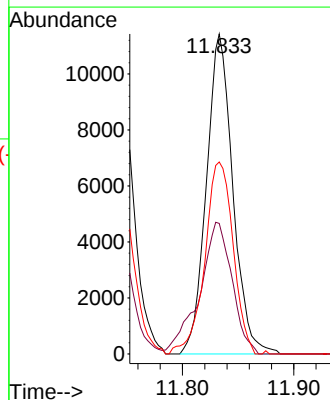
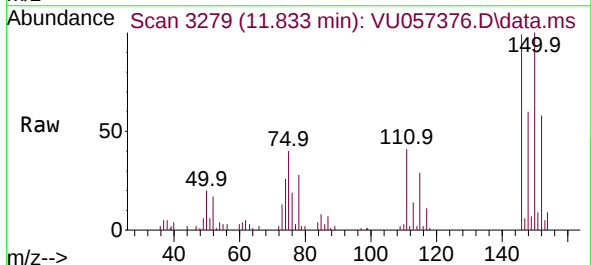
Instrument :
MSVOA_U
ClientSampleId :

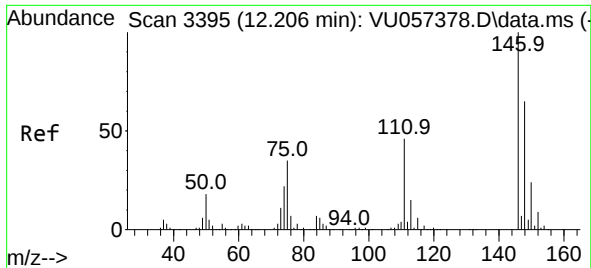
Tgt Ion:146 Resp: 17004
Ion Ratio Lower Upper
146 100
111 48.2 31.6 58.8
148 63.8 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 5.232 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

Tgt Ion:146 Resp: 18861
Ion Ratio Lower Upper
146 100
111 43.3 30.3 56.3
148 60.0 45.9 85.3





#67

1,2-Dichlorobenzene

Concen: 5.181 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU057376.D

Acq: 08 Jan 2024 11:34

Instrument :

MSVOA_U

ClientSampleId :

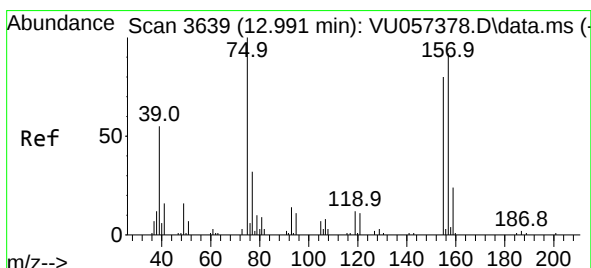
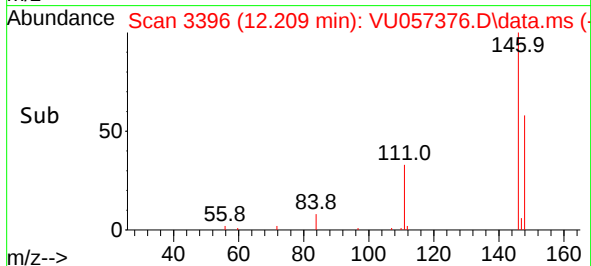
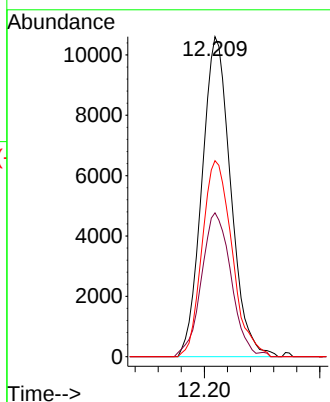
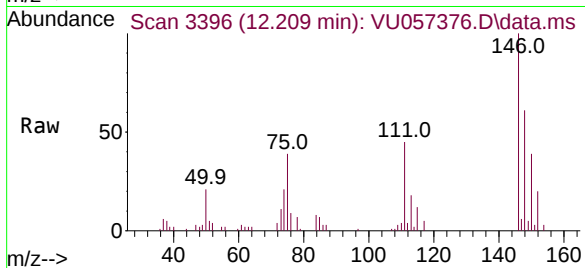
Tgt Ion:146 Resp: 18339

Ion Ratio Lower Upper

146 100

111 45.0 36.9 55.3

148 61.3 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.967 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. 0.006 min

Lab File: VU057376.D

Acq: 08 Jan 2024 11:34

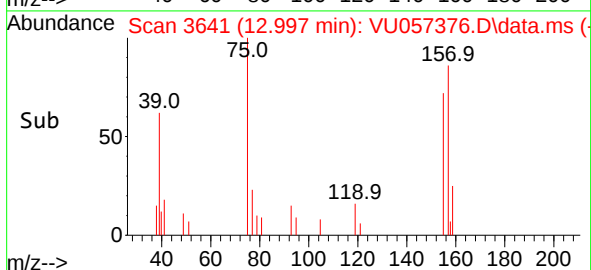
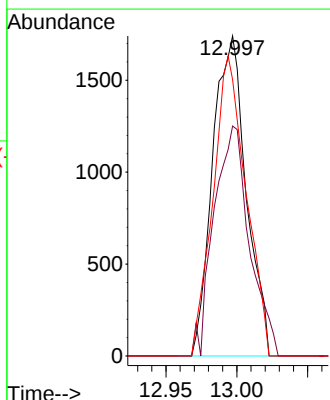
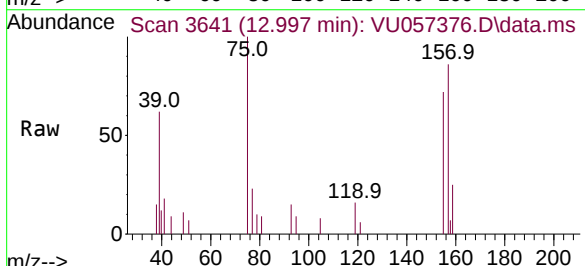
Tgt Ion: 75 Resp: 2859

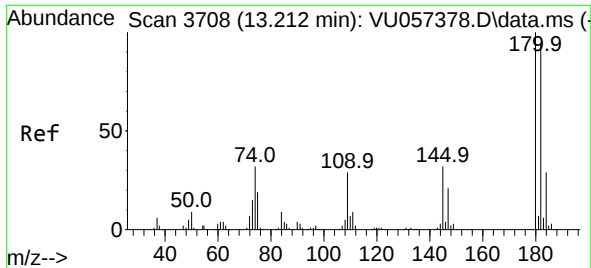
Ion Ratio Lower Upper

75 100

155 71.9 64.3 96.5

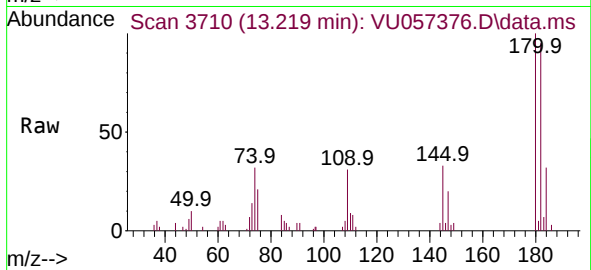
157 93.5 73.8 110.6



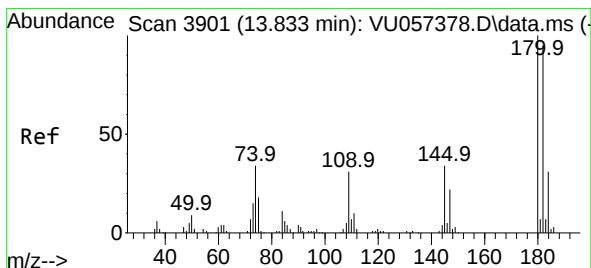
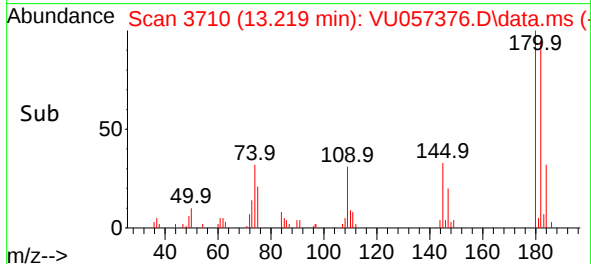
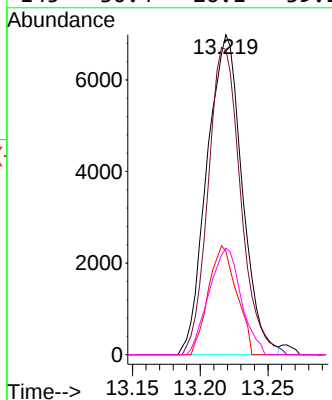


#69
1,3,5-Trichlorobenzene
Concen: 5.012 ug/L
RT: 13.219 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

Instrument :
MSVOA_U
ClientSampleId :

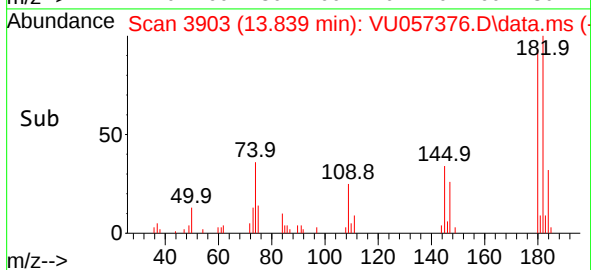
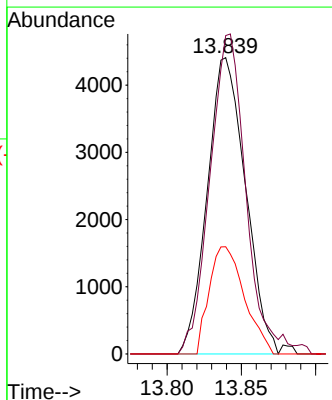
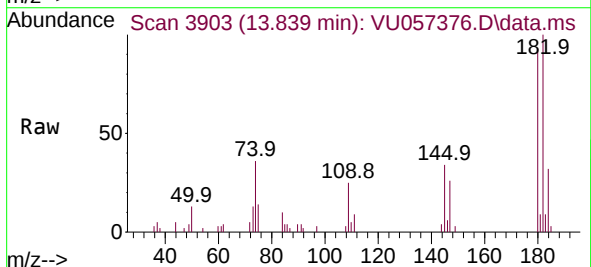


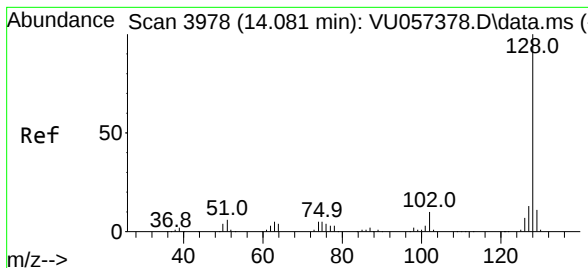
Tgt Ion:180 Resp: 12601
Ion Ratio Lower Upper
180 100
182 88.5 75.6 113.4
184 27.3 23.9 35.9
145 30.4 26.1 39.1



#70
1,2,4-trichlorobenzene
Concen: 4.120 ug/L
RT: 13.839 min Scan# 3903
Delta R.T. 0.006 min
Lab File: VU057376.D
Acq: 08 Jan 2024 11:34

Tgt Ion:180 Resp: 7885
Ion Ratio Lower Upper
180 100
182 99.8 75.8 113.8
145 33.3 27.4 41.0





#71

Naphthalene

Concen: 3.227 ug/L

RT: 14.090 min Scan# 3978

Delta R.T. 0.010 min

Lab File: VU057376.D

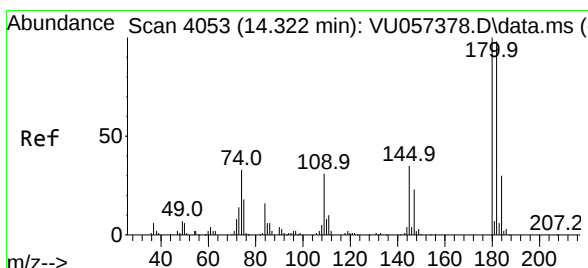
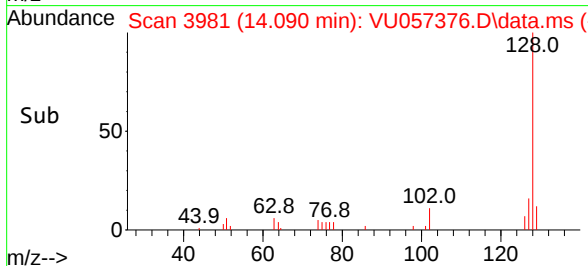
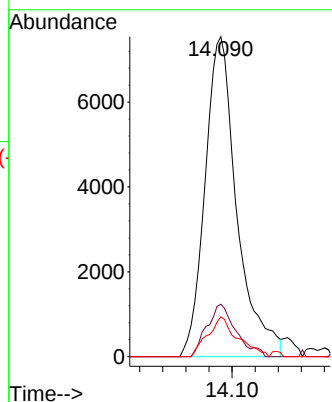
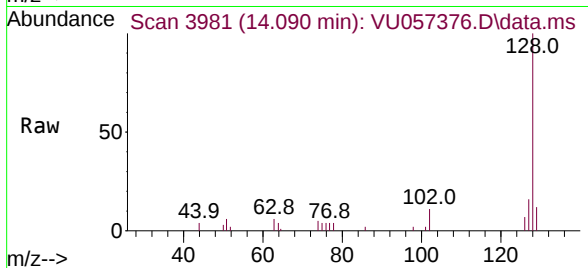
Acq: 08 Jan 2024 11:34

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:128	Resp:	14431
Ion Ratio	Lower	Upper
128	100	
127	14.1	10.2 15.2
129	11.6	8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 4.065 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU057376.D

Acq: 08 Jan 2024 11:34

Tgt Ion:180	Resp:	7358
Ion Ratio	Lower	Upper
180	100	
182	94.9	77.5 116.3
145	32.5	28.2 42.4

