

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032124\
 Data File : VU058179.D
 Acq On : 21 Mar 2024 12:07
 Operator : MD/SY
 Sample : VSTD0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 22 04:39:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 22 04:38:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	92366	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	85094	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	36993	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	3950	0.582	ug/L	0.00
7) Chloroethane-d5	1.911	69	3099	0.553	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.550	65	1500	0.516	ug/L	-0.01
20) 2-Butanone-d5	4.660	46	5492	4.842	ug/L	0.04
24) Chloroform-d	5.055	84	6468	0.510	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	2935	0.506	ug/L	0.00
32) Benzene-d6	5.721	84	13985	0.559	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	3978	0.526	ug/L	0.00
41) Toluene-d8	7.891	98	11597	0.514	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.180	79	1112	0.438	ug/L	0.00
46) 2-Hexanone-d5	8.643	63	4594	5.214	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.756	84	2619	0.566	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	3747	0.608	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	1763	0.340	ug/L	93
3) Chloromethane	1.518	50	2664	0.434	ug/L	96
5) Vinyl chloride	1.602	62	2674	0.407	ug/L	93
6) Bromomethane	1.856	94	1221	0.349	ug/L	90
8) Chloroethane	1.930	64	1652	0.394	ug/L	86
9) Trichlorofluoromethane	2.129	101	4623	0.481	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	2818	0.466	ug/L	96
12) 1,1-Dichloroethene	2.567	96	2365	0.448	ug/L	85
13) Acetone	2.653	43	4876	6.053	ug/L	96
14) Carbon disulfide	2.779	76	4919	0.312	ug/L	95
15) Methyl Acetate	2.959	43	852	0.476	ug/L #	66
16) Methylene chloride	3.033	84	4752	0.725	ug/L	94
17) Methyl tert-butyl Ether	3.354	73	6319	0.492	ug/L	96
18) trans-1,2-Dichloroethene	3.348	96	2226	0.386	ug/L	88
19) 1,1-Dichloroethane	3.862	63	5305	0.452	ug/L	94
21) 2-Butanone	4.740	43	4967	3.910	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	2786	0.431	ug/L	91
23) Bromochloromethane	4.965	128	910	0.378	ug/L #	87
25) Chloroform	5.078	83	5614	0.465	ug/L	84
27) 1,2-Dichloroethane	5.788	62	3280	0.491	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	4382	0.448	ug/L	96
30) Cyclohexane	5.377	56	3712	0.388	ug/L	95
31) Carbon tetrachloride	5.515	117	3822	0.454	ug/L	93
33) Benzene	5.766	78	10920	0.434	ug/L	100
34) Trichloroethene	6.541	95	2884	0.436	ug/L	89
35) Methylcyclohexane	6.753	83	3982	0.403	ug/L	97
37) 1,2-Dichloropropane	6.782	63	3106	0.475	ug/L #	90
38) Bromodichloromethane	7.100	83	3299	0.419	ug/L #	94
39) cis-1,3-Dichloropropene	7.605	75	3425	0.385	ug/L	94
40) 4-Methyl-2-pentanone	7.791	43	15754	5.202	ug/L	96
42) Toluene	7.965	91	11701	0.448	ug/L	96
44) trans-1,3-Dichloropropene	8.209	75	2520	0.355	ug/L	97

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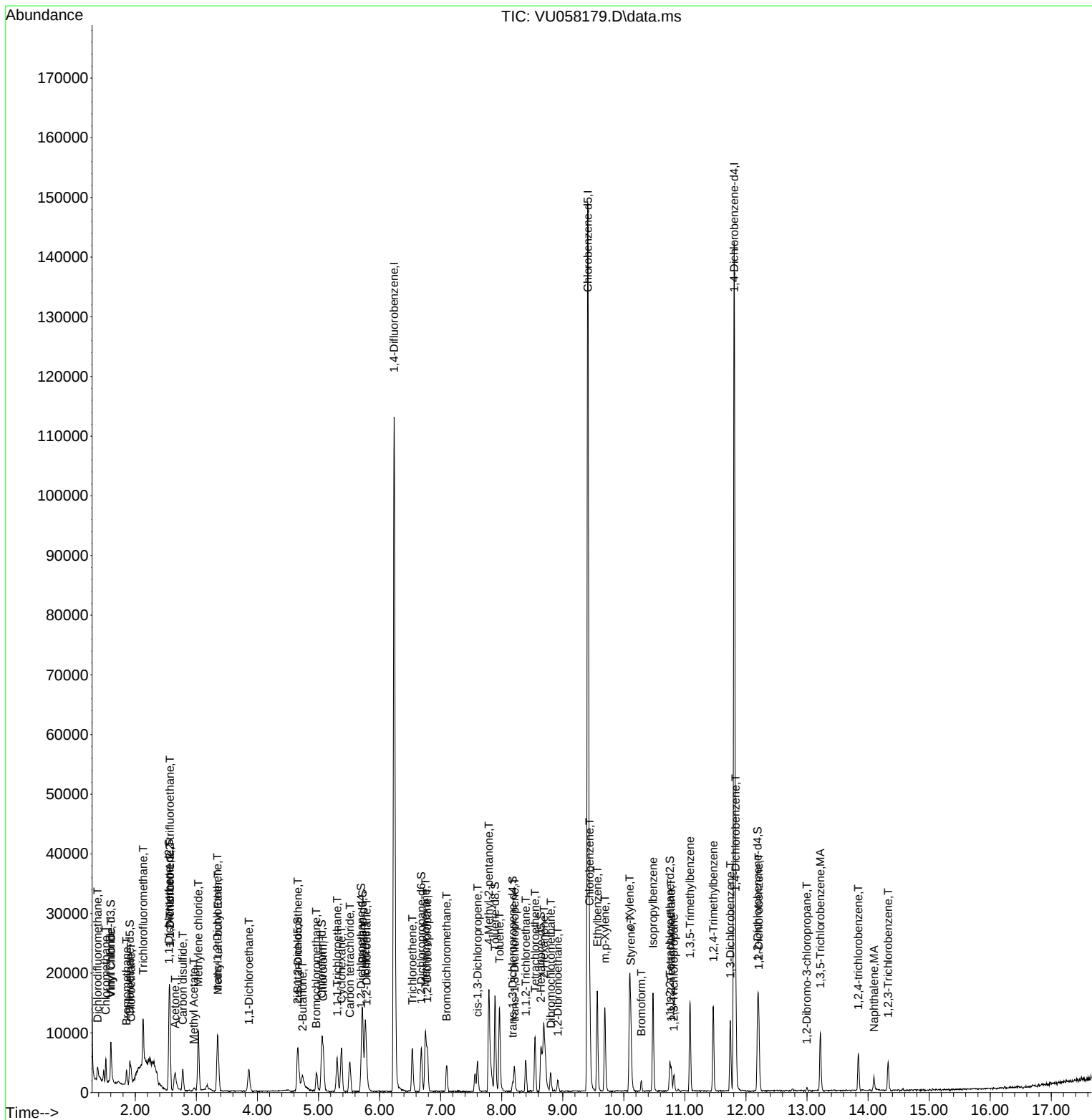
Quant Time: Mar 22 04:39:10 2024
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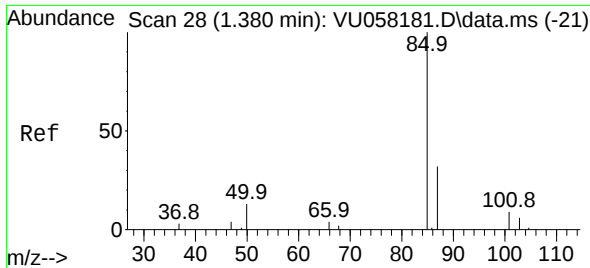
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.396	97	1974	0.504	ug/L	88
47) Tetrachloroethene	8.547	164	1844	0.403	ug/L	96
48) 2-Hexanone	8.692	43	11481	5.184	ug/L	91
49) Dibromochloromethane	8.804	129	1772	0.387	ug/L	93
50) 1,2-Dibromoethane	8.920	107	1582	0.458	ug/L #	91
51) Chlorobenzene	9.441	112	7453	0.451	ug/L	99
52) Ethylbenzene	9.566	91	12915	0.441	ug/L	99
53) m,p-Xylene	9.692	106	4318	0.414	ug/L	94
54) o-Xylene	10.097	106	4410	0.420	ug/L	98
55) Styrene	10.116	104	6525	0.399	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.775	83	2113	0.458	ug/L #	96
59) Bromoform	10.287	173	837	0.413	ug/L #	84
60) Isopropylbenzene	10.479	105	11116	0.463	ug/L	98
61) 1,2,3-Trichloropropane	10.817	75	1680	0.561	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	8977	0.444	ug/L	97
63) 1,2,4-Trimethylbenzene	11.467	105	9108	0.457	ug/L	95
64) 1,3-Dichlorobenzene	11.746	146	5247	0.478	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	5373	0.501	ug/L	96
67) 1,2-Dichlorobenzene	12.212	146	4990	0.518	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	111	0.188	ug/L #	78
69) 1,3,5-Trichlorobenzene	13.219	180	3547	0.450	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	2388	0.406	ug/L	95
71) Naphthalene	14.097	128	3141	0.391	ug/L #	92
72) 1,2,3-Trichlorobenzene	14.328	180	2041	0.434	ug/L	96

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

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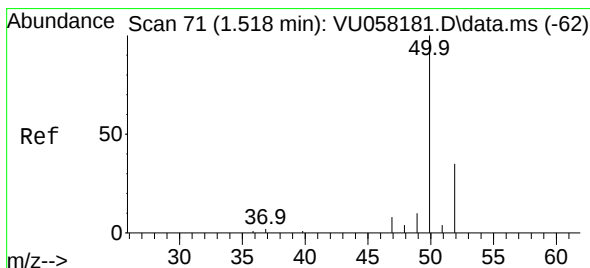
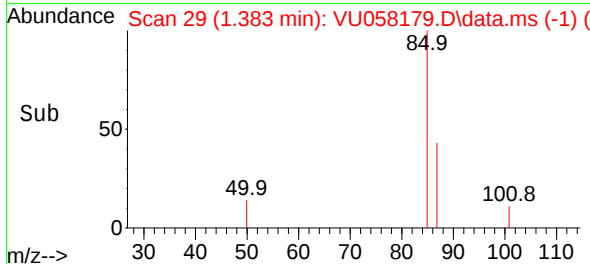
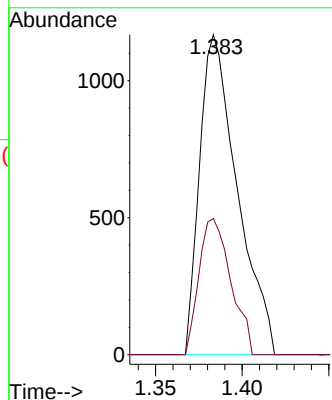
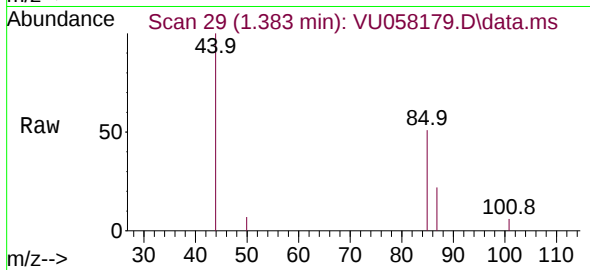




#2
 Dichlorodifluoromethane
 Concen: 0.340 ug/L
 RT: 1.383 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VU058179.D
 Acq: 21 Mar 2024 12:07

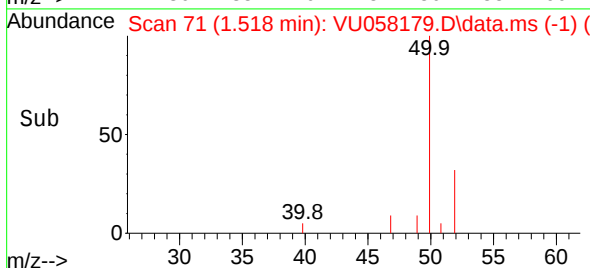
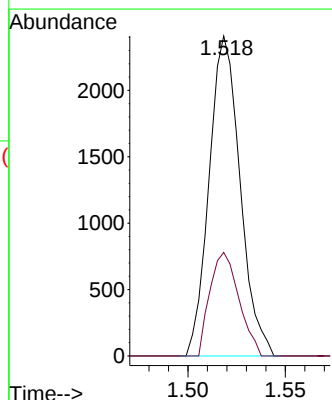
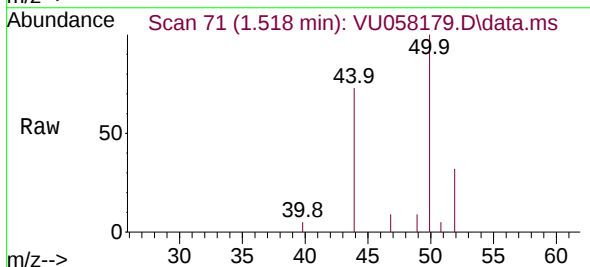
Instrument :
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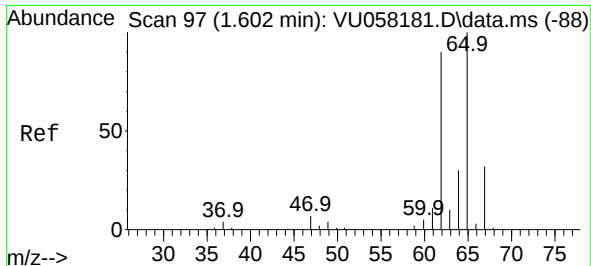
Tgt Ion: 85 Resp: 1763
 Ion Ratio Lower Upper
 85 100
 87 36.0 25.8 38.8



#3
 Chloromethane
 Concen: 0.434 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU058179.D
 Acq: 21 Mar 2024 12:07

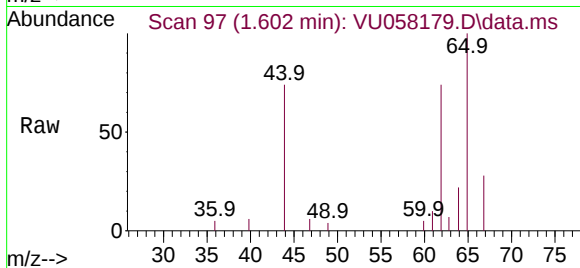
Tgt Ion: 50 Resp: 2664
 Ion Ratio Lower Upper
 50 100
 52 32.4 24.2 45.0



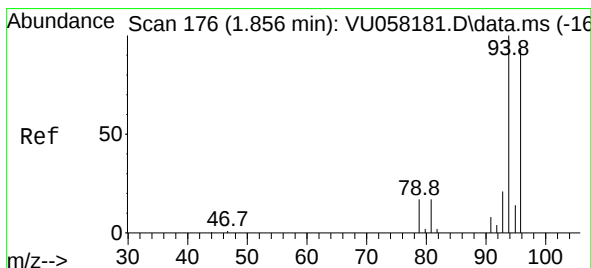
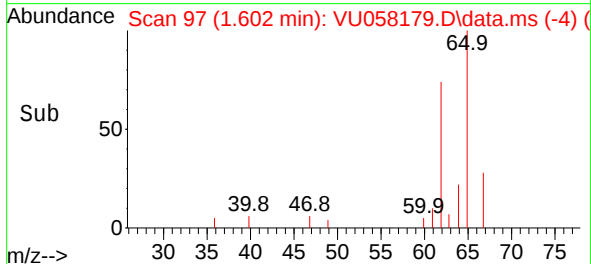
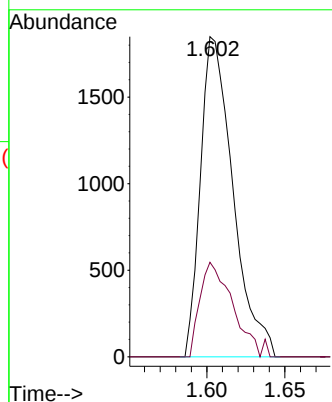


#5
 Vinyl chloride
 Concen: 0.407 ug/L
 RT: 1.602 min Scan# 97
 Delta R.T. -0.000 min
 Lab File: VU058179.D
 Acq: 21 Mar 2024 12:07

Instrument :
 MSVOA_U
 ClientSampleId :

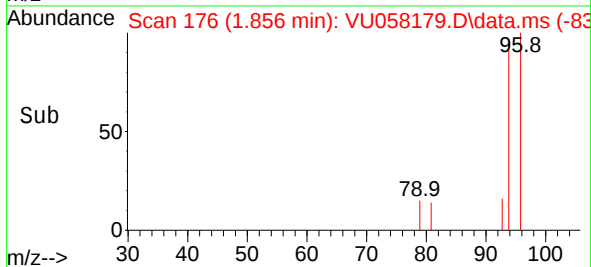
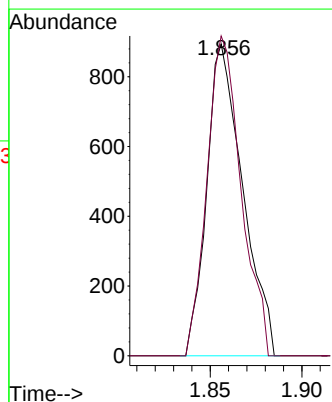
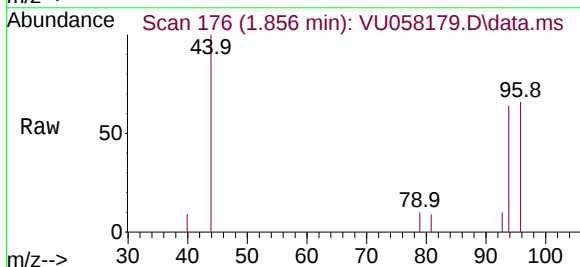


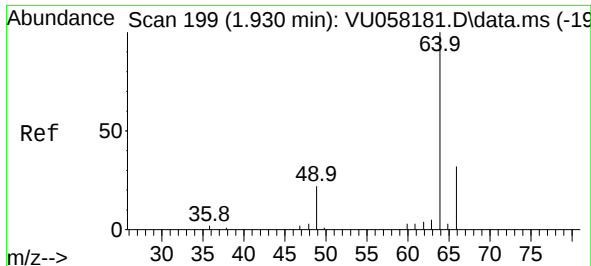
Tgt Ion: 62 Resp: 2674
 Ion Ratio Lower Upper
 62 100
 64 29.5 23.4 43.6



#6
 Bromomethane
 Concen: 0.349 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.000 min
 Lab File: VU058179.D
 Acq: 21 Mar 2024 12:07

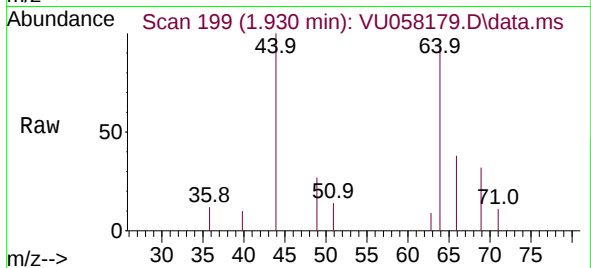
Tgt Ion: 94 Resp: 1221
 Ion Ratio Lower Upper
 94 100
 96 102.6 64.8 120.4



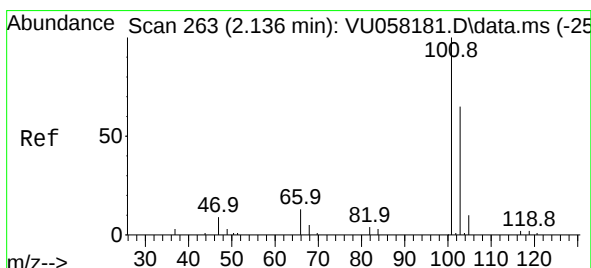
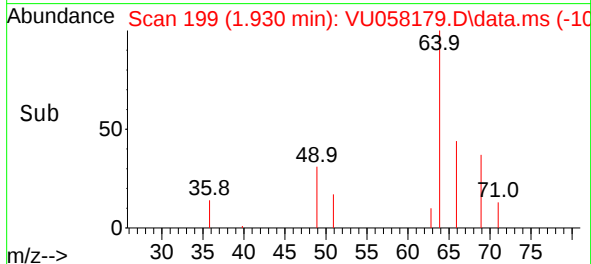
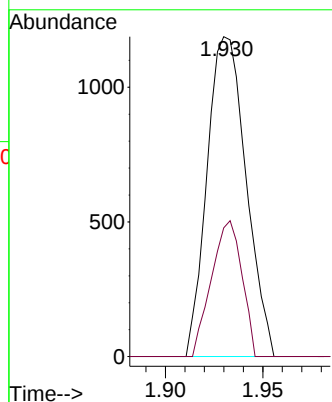


#8
Chloroethane
Concen: 0.394 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

Instrument :
MSVOA_U
ClientSampleId :

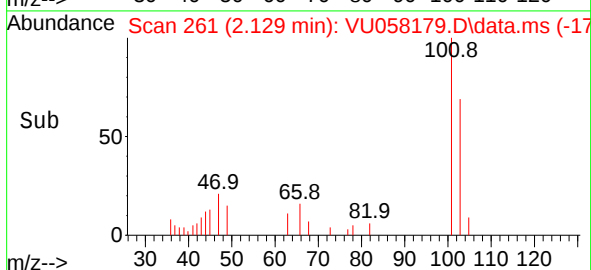
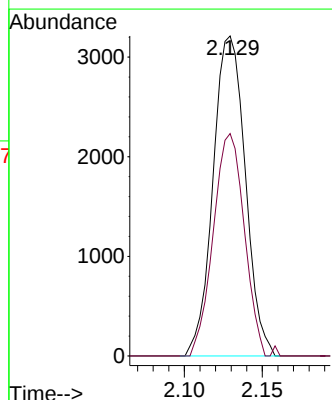
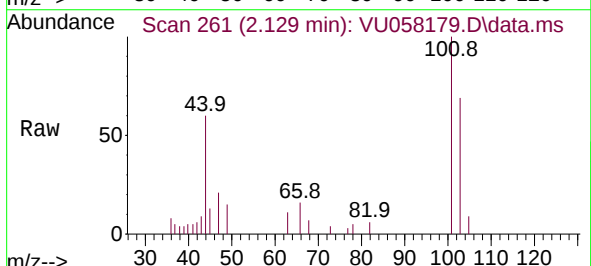


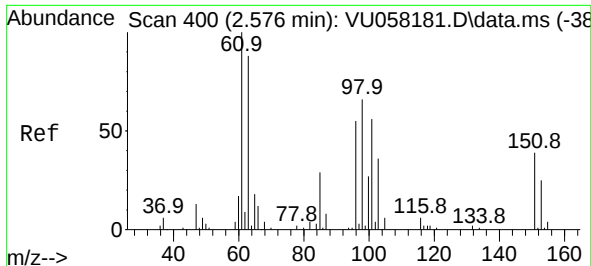
Tgt Ion: 64 Resp: 1652
Ion Ratio Lower Upper
64 100
66 40.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 0.481 ug/L
RT: 2.129 min Scan# 261
Delta R.T. -0.006 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

Tgt Ion:101 Resp: 4623
Ion Ratio Lower Upper
101 100
103 66.5 52.3 78.5

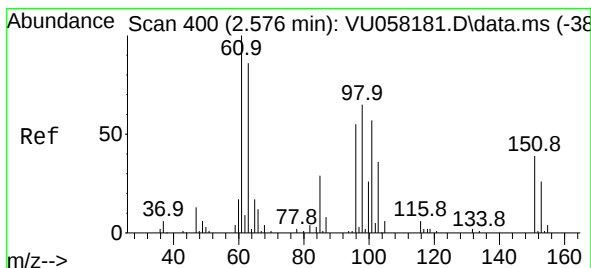
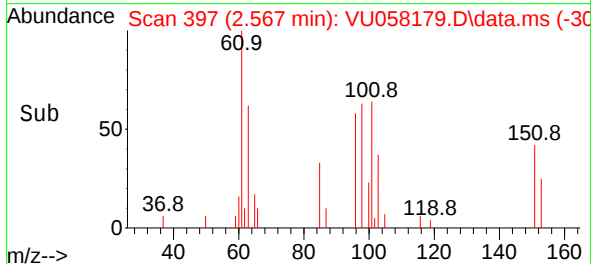
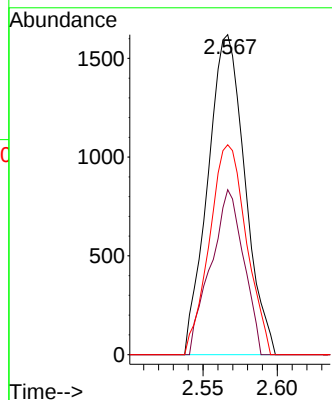
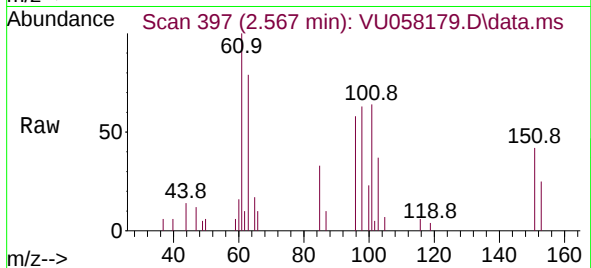




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.466 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.010 min
 Lab File: VU058179.D
 Acq: 21 Mar 2024 12:07

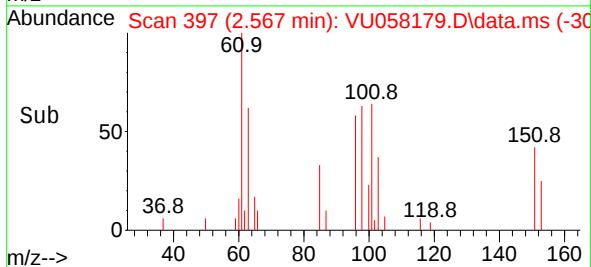
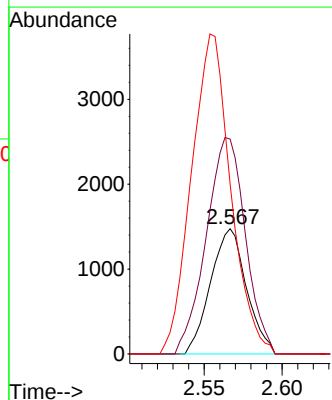
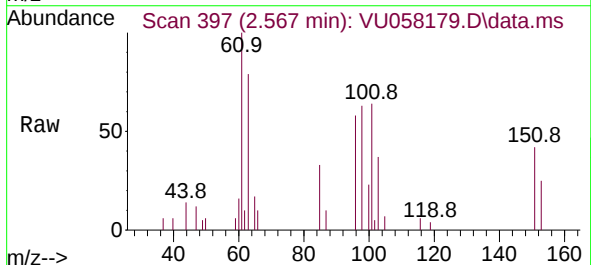
Instrument :
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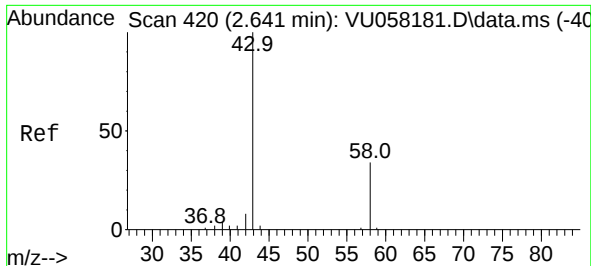
Tgt Ion:101 Resp: 2818
 Ion Ratio Lower Upper
 101 100
 85 45.5 37.9 56.9
 151 65.2 55.3 82.9



#12
 1,1-Dichloroethene
 Concen: 0.448 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.010 min
 Lab File: VU058179.D
 Acq: 21 Mar 2024 12:07

Tgt Ion: 96 Resp: 2365
 Ion Ratio Lower Upper
 96 100
 61 171.5 128.1 237.9
 63 135.6 116.8 217.0





#13

Acetone

Concen: 6.053 ug/L

RT: 2.653 min Scan# 41

Delta R.T. 0.013 min

Lab File: VU058179.D

Acq: 21 Mar 2024 12:07

Instrument :

MSVOA_U

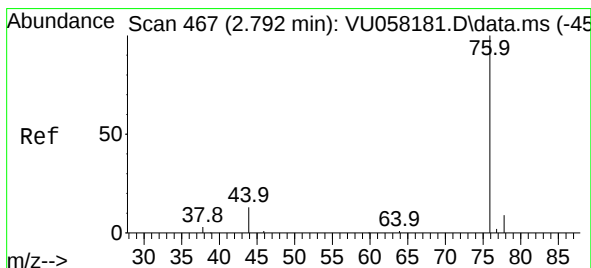
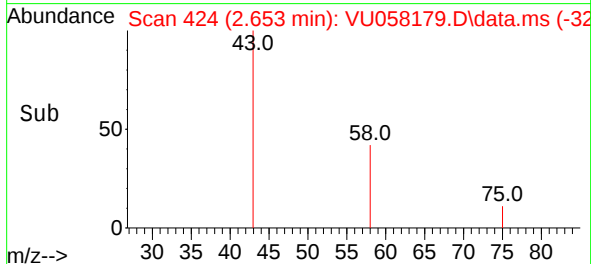
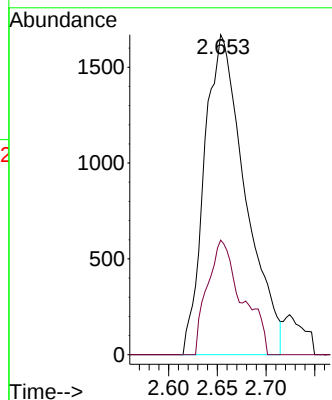
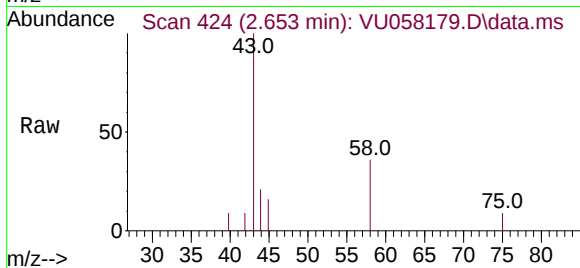
ClientSampleId :

Tgt Ion: 43 Resp: 4876

Ion Ratio Lower Upper

43 100

58 30.2 0.0 64.6



#14

Carbon disulfide

Concen: 0.312 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.013 min

Lab File: VU058179.D

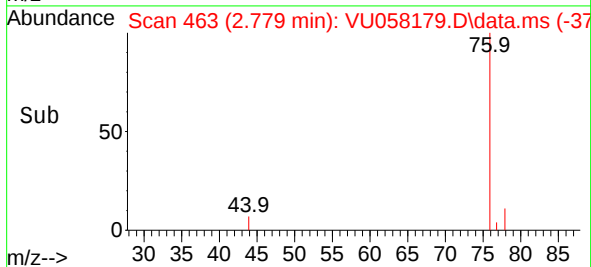
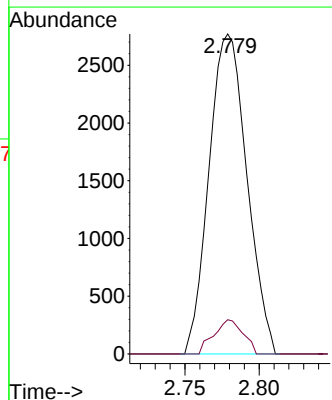
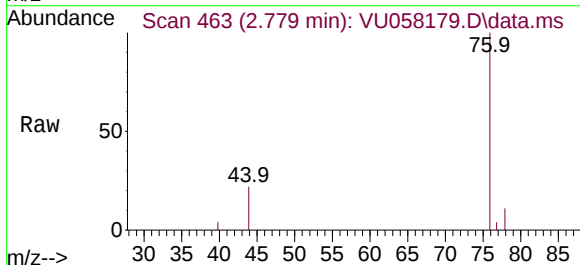
Acq: 21 Mar 2024 12:07

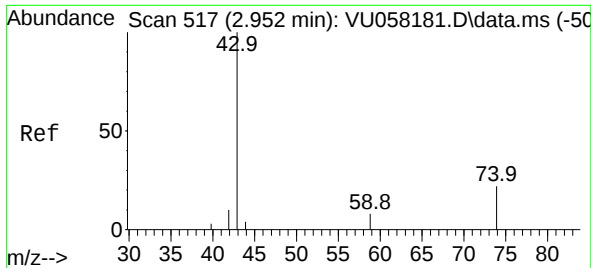
Tgt Ion: 76 Resp: 4919

Ion Ratio Lower Upper

76 100

78 10.7 7.2 10.8





#15

Methyl Acetate

Concen: 0.476 ug/L

RT: 2.959 min Scan# 51

Delta R.T. 0.006 min

Lab File: VU058179.D

Acq: 21 Mar 2024 12:07

Instrument :

MSVOA_U

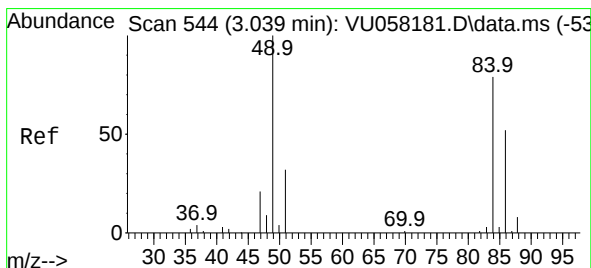
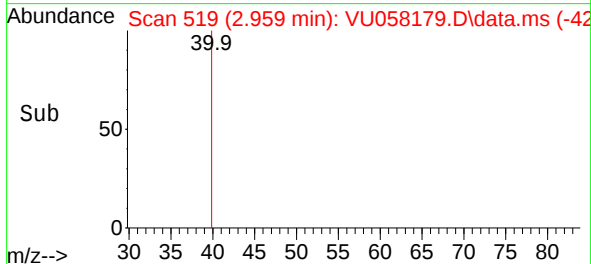
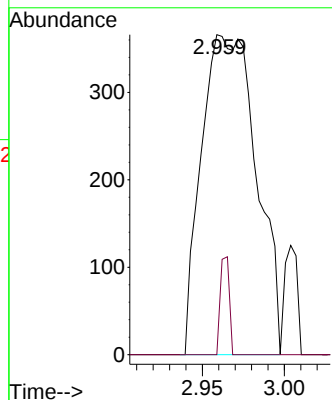
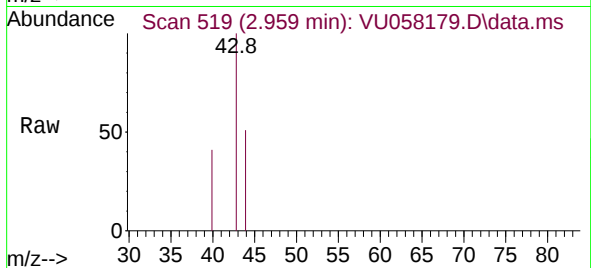
ClientSampleId :

Tgt Ion: 43 Resp: 852

Ion Ratio Lower Upper

43 100

74 5.0 16.8 25.2#



#16

Methylene chloride

Concen: 0.725 ug/L

RT: 3.033 min Scan# 542

Delta R.T. -0.006 min

Lab File: VU058179.D

Acq: 21 Mar 2024 12:07

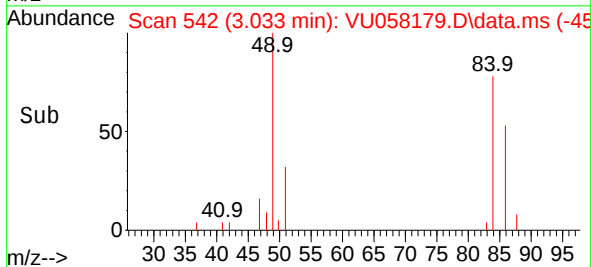
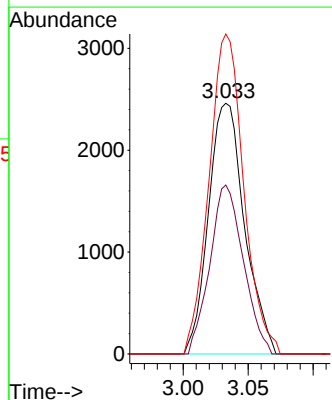
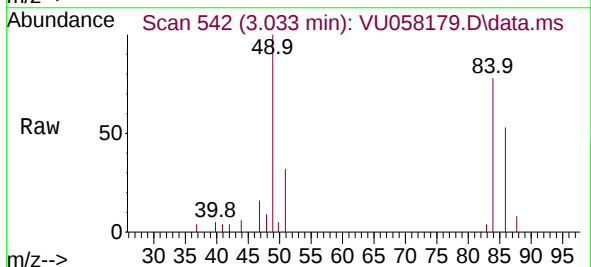
Tgt Ion: 84 Resp: 4752

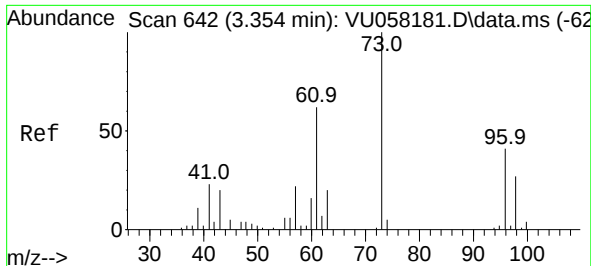
Ion Ratio Lower Upper

84 100

86 67.4 45.6 84.6

49 134.2 88.3 163.9

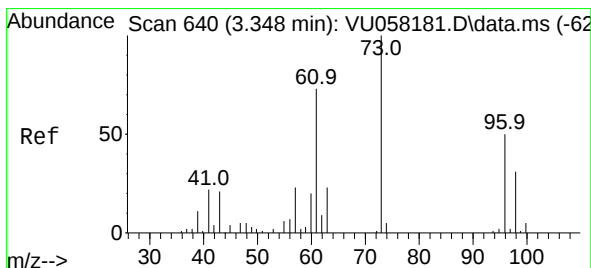
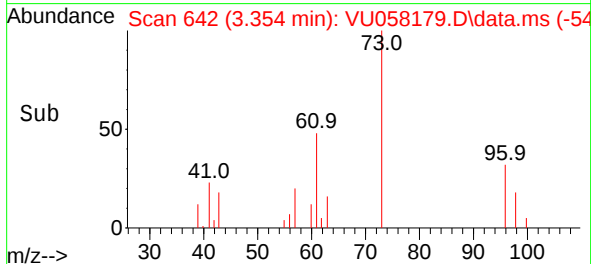
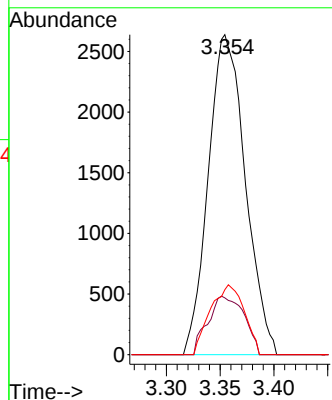
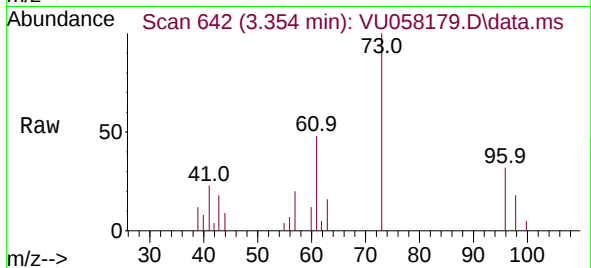




#17
Methyl tert-butyl Ether
Concen: 0.492 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

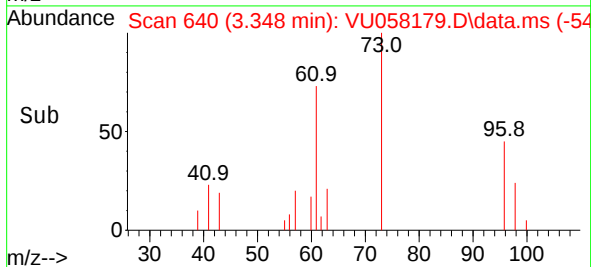
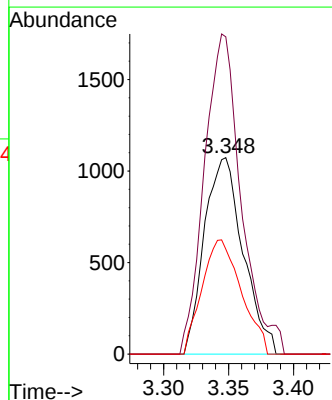
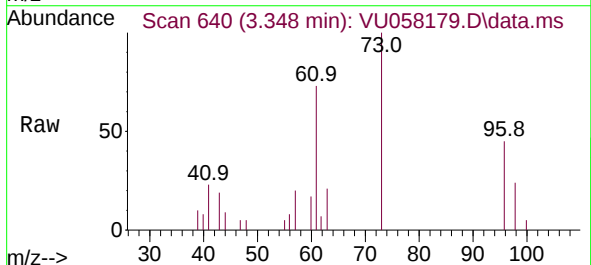
Instrument :
MSVOA_U
ClientSampleId :

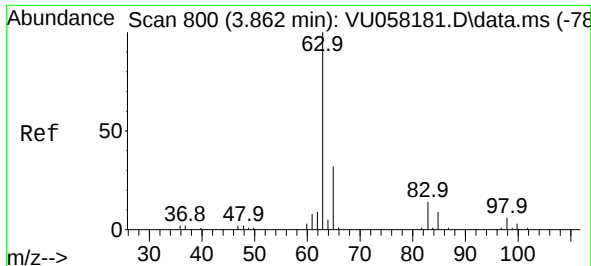
Tgt Ion: 73	Resp: 6319
Ion Ratio	Lower Upper
73 100	
43 17.8	15.5 23.3
57 20.1	18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 0.386 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

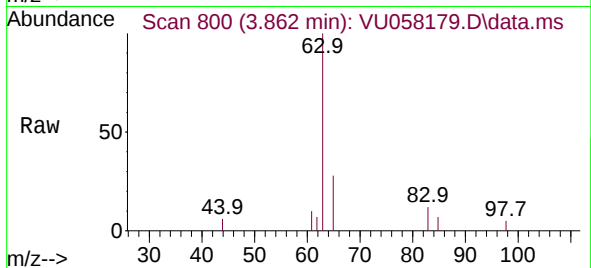
Tgt Ion: 96	Resp: 2226
Ion Ratio	Lower Upper
96 100	
61 161.5	102.5 190.3
98 53.4	44.0 81.8



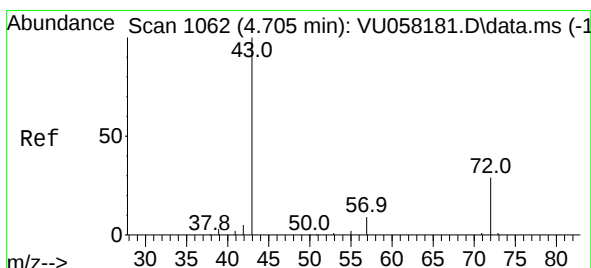
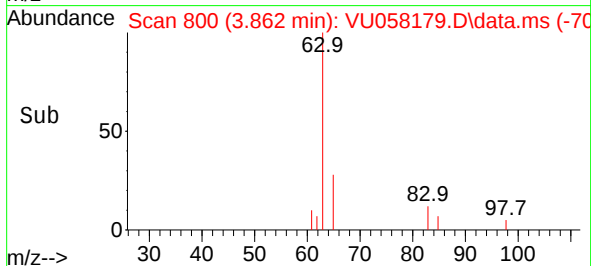
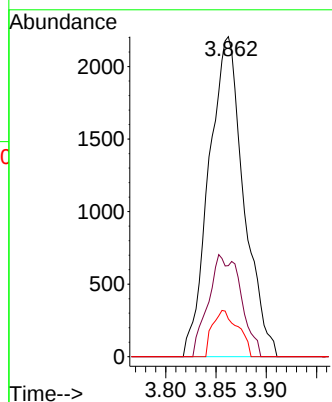


#19
1,1-Dichloroethane
Concen: 0.452 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.000 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

Instrument :
MSVOA_U
ClientSampleId :

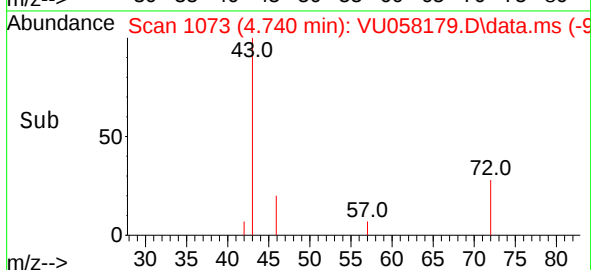
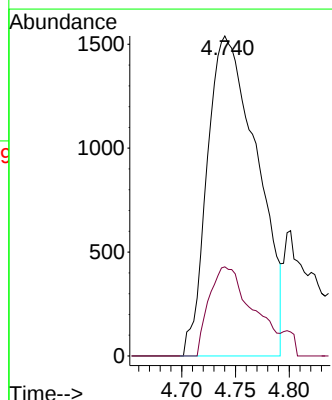
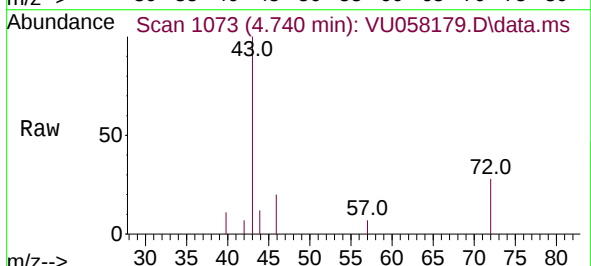


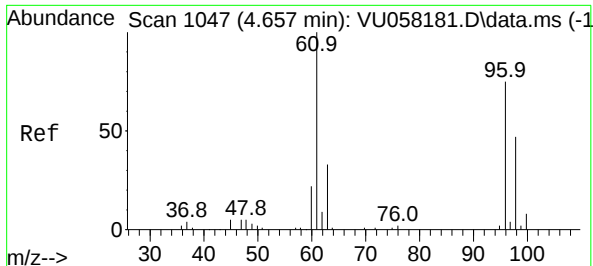
Tgt Ion: 63	Resp: 5305
Ion Ratio	Lower Upper
63	100
65	28.5 22.3 41.5
83	11.8 10.0 18.6



#21
2-Butanone
Concen: 3.910 ug/L
RT: 4.740 min Scan# 1073
Delta R.T. 0.035 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

Tgt Ion: 43	Resp: 4967
Ion Ratio	Lower Upper
43	100
72	24.5 14.0 41.9

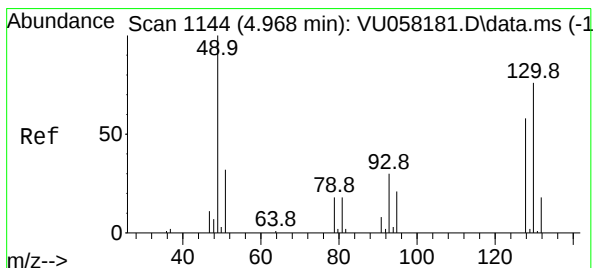
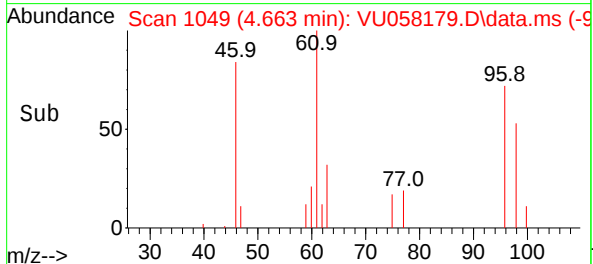
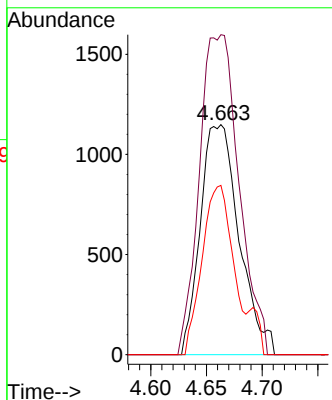
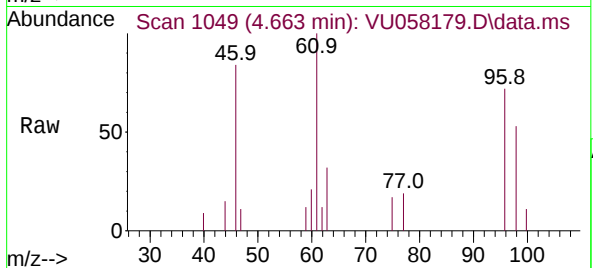




#22
 cis-1,2-Dichloroethene
 Concen: 0.431 ug/L
 RT: 4.663 min Scan# 1104
 Delta R.T. 0.006 min
 Lab File: VU058179.D
 Acq: 21 Mar 2024 12:07

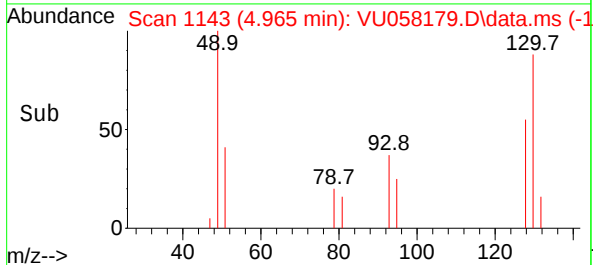
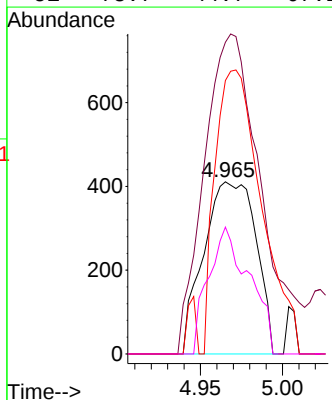
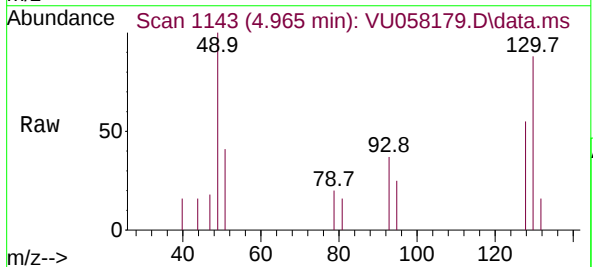
Instrument :
 MSVOA_U
 ClientSampleId :

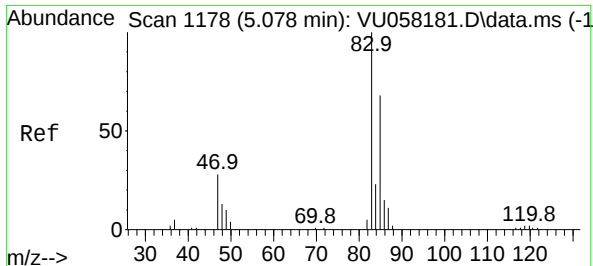
Tgt Ion:	96	Resp:	2786
Ion	Ratio	Lower	Upper
96	100		
61	139.1	92.8	172.4
98	73.5	43.2	80.2



#23
 Bromochloromethane
 Concen: 0.378 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. -0.003 min
 Lab File: VU058179.D
 Acq: 21 Mar 2024 12:07

Tgt Ion:	128	Resp:	910
Ion	Ratio	Lower	Upper
128	100		
49	181.0	125.0	232.2
130	158.9	92.3	171.5
51	73.7	44.7	67.1





#25

Chloroform

Concen: 0.465 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU058179.D

Acq: 21 Mar 2024 12:07

Instrument :

MSVOA_U

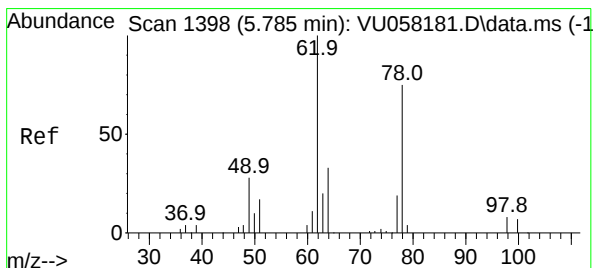
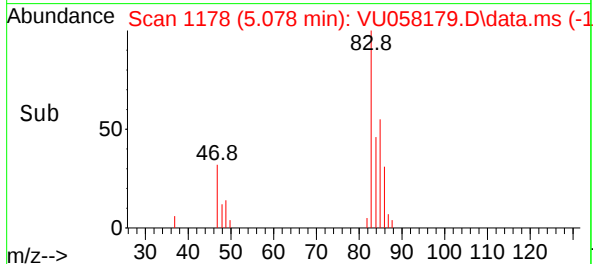
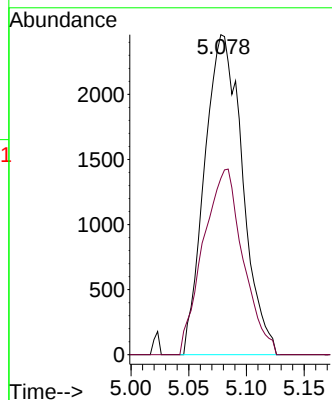
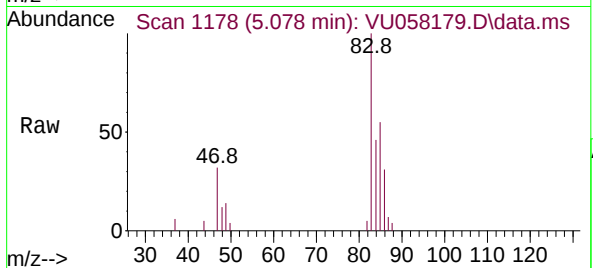
ClientSampleId :

Tgt Ion: 83 Resp: 5614

Ion Ratio Lower Upper

83 100

85 55.1 47.9 88.9



#27

1,2-Dichloroethane

Concen: 0.491 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.003 min

Lab File: VU058179.D

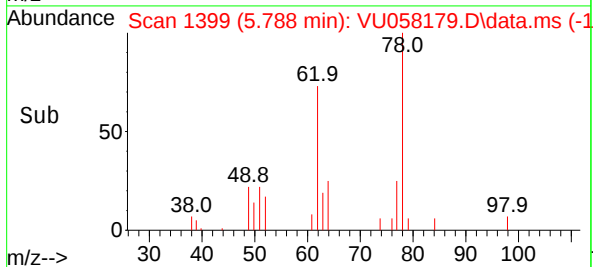
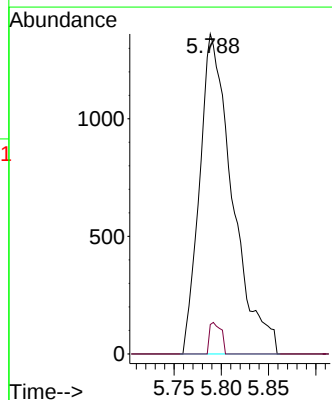
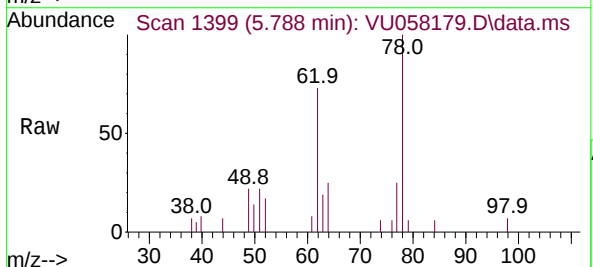
Acq: 21 Mar 2024 12:07

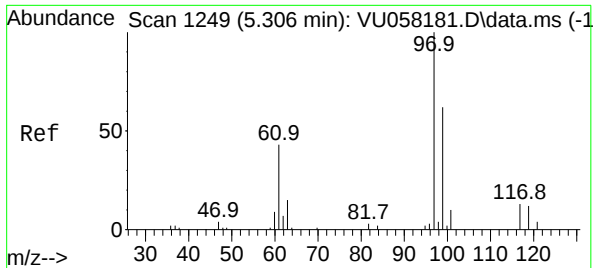
Tgt Ion: 62 Resp: 3280

Ion Ratio Lower Upper

62 100

98 9.2 6.6 10.0

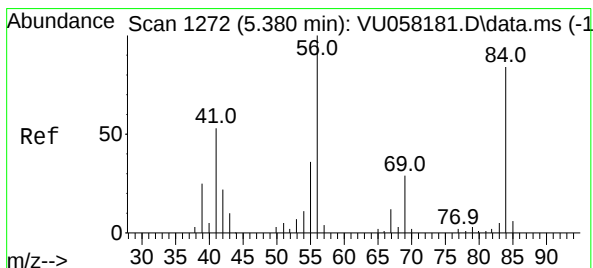
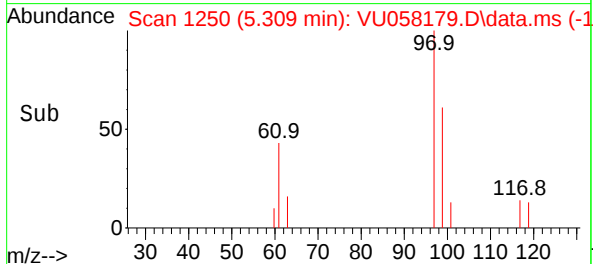
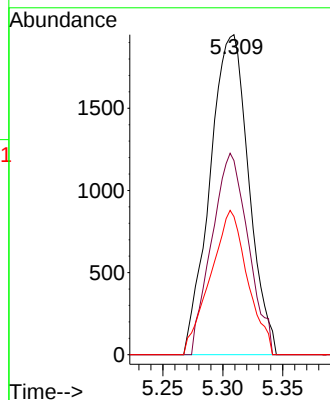
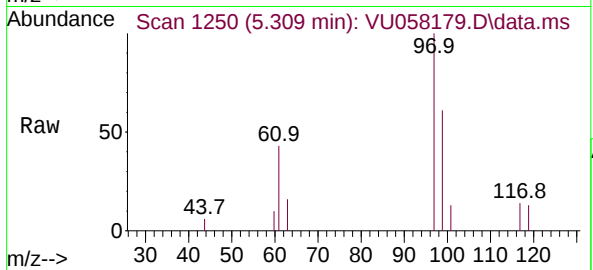




#29
1,1,1-Trichloroethane
Concen: 0.448 ug/L
RT: 5.309 min Scan# 1249
Delta R.T. 0.003 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

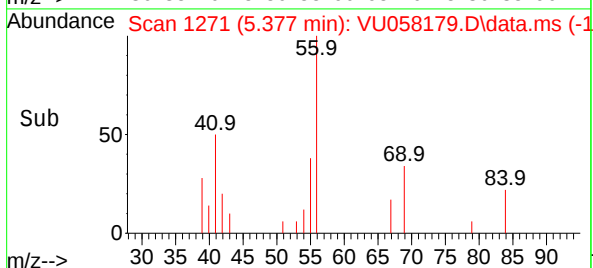
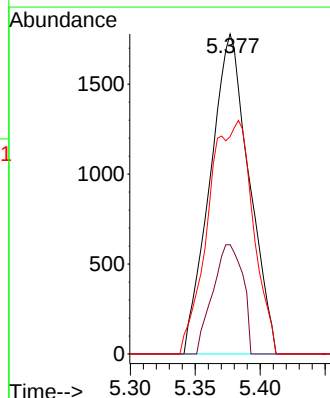
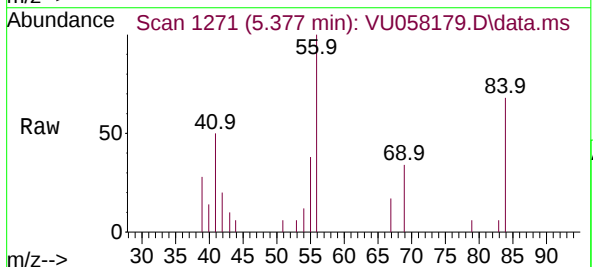
Instrument :
MSVOA_U
ClientSampleId :

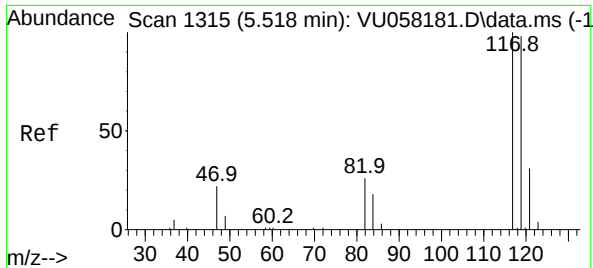
Tgt Ion: 97	Resp: 4382
Ion Ratio	Lower Upper
97	100
99	59.3 50.5 75.7
61	43.1 36.3 54.5



#30
Cyclohexane
Concen: 0.388 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. -0.003 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

Tgt Ion: 56	Resp: 3712
Ion Ratio	Lower Upper
56	100
69	26.1 24.2 36.2
84	83.9 69.7 104.5

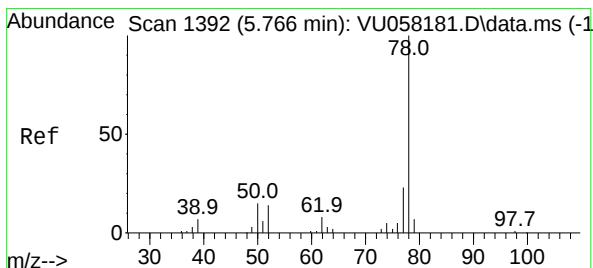
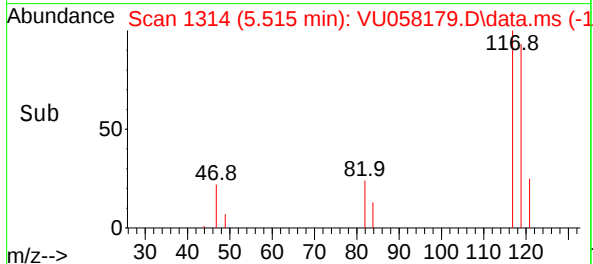
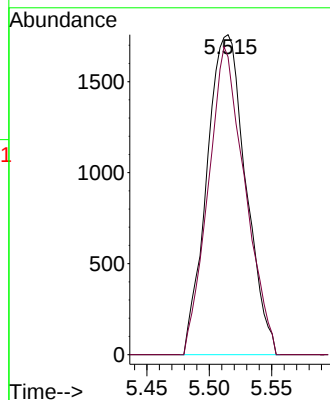
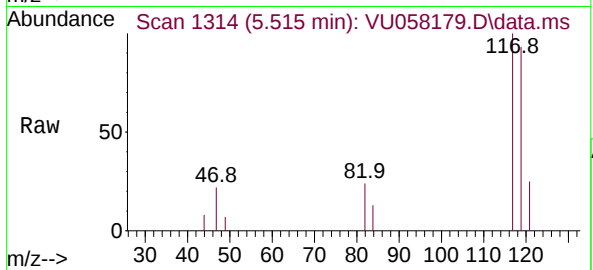




#31
Carbon tetrachloride
Concen: 0.454 ug/L
RT: 5.515 min Scan# 1315
Delta R.T. -0.003 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

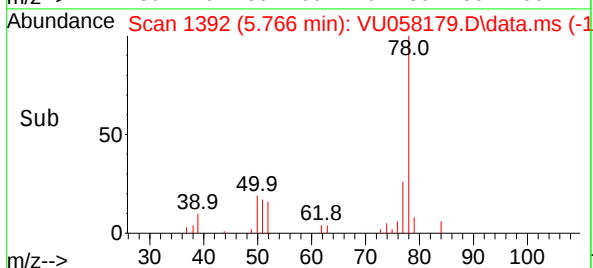
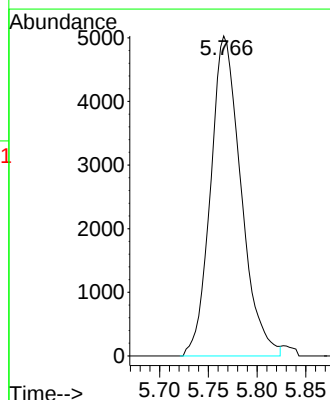
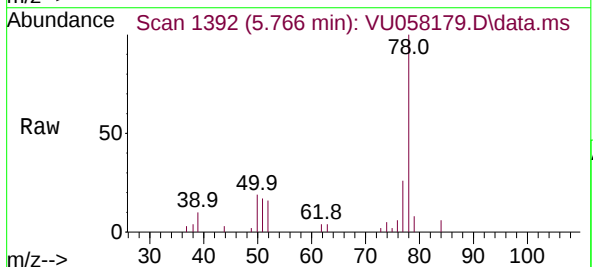
Instrument :
MSVOA_U
ClientSampleId :

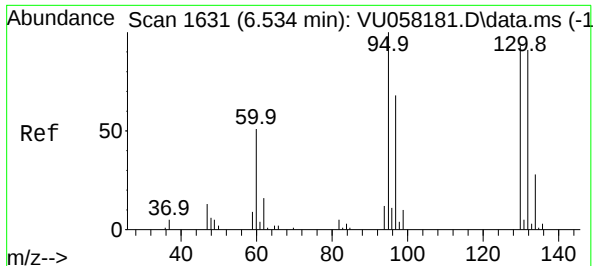
Tgt Ion:117 Resp: 3822
Ion Ratio Lower Upper
117 100
119 90.8 78.1 117.1



#33
Benzene
Concen: 0.434 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

Tgt Ion: 78 Resp: 10920





#34

Trichloroethene

Concen: 0.436 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU058179.D

Acq: 21 Mar 2024 12:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 2884

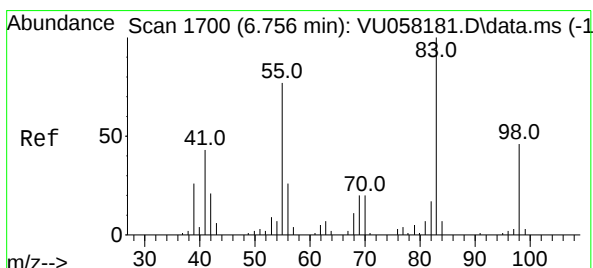
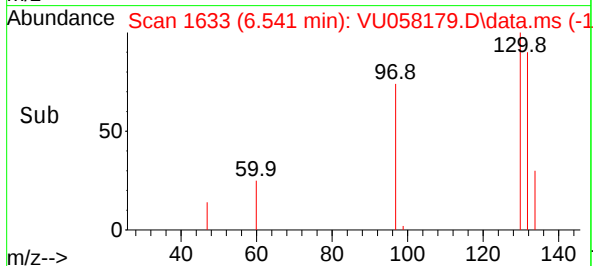
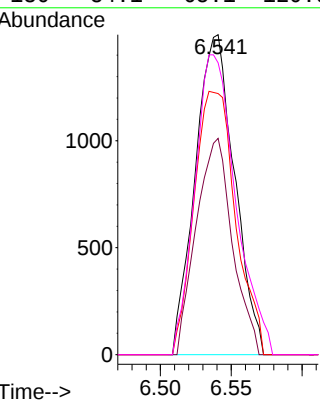
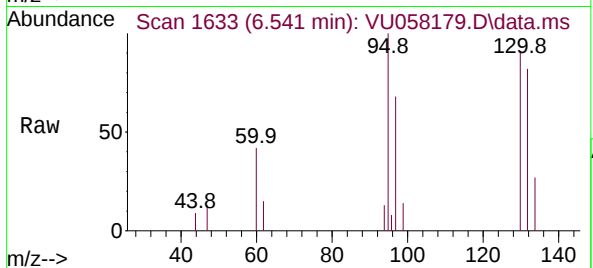
Ion Ratio Lower Upper

95 100

97 62.3 47.7 88.7

132 75.3 63.6 118.2

130 84.1 65.1 120.9



#35

Methylcyclohexane

Concen: 0.403 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VU058179.D

Acq: 21 Mar 2024 12:07

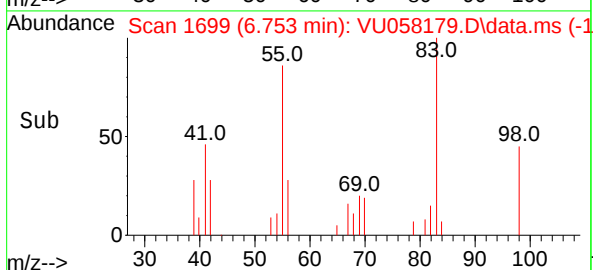
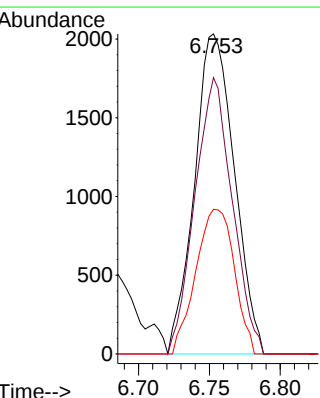
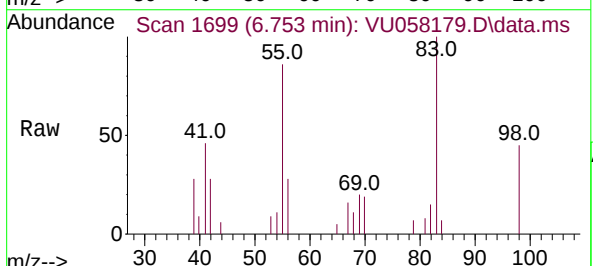
Tgt Ion: 83 Resp: 3982

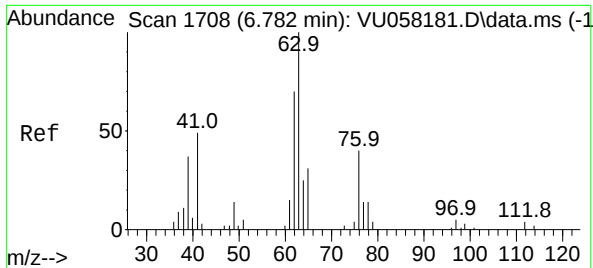
Ion Ratio Lower Upper

83 100

55 80.9 62.7 94.1

98 43.6 37.3 55.9

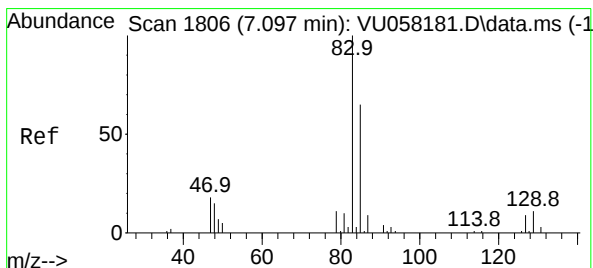
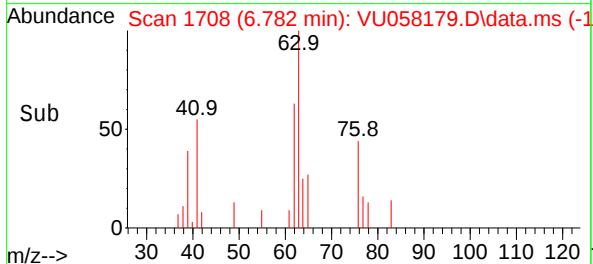
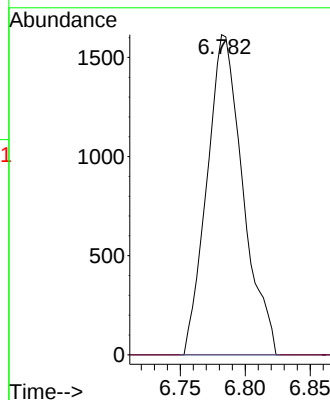
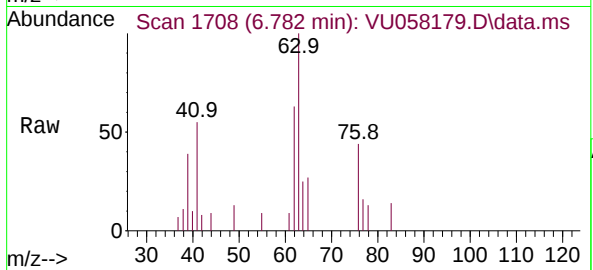




#37
1,2-Dichloropropane
Concen: 0.475 ug/L
RT: 6.782 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

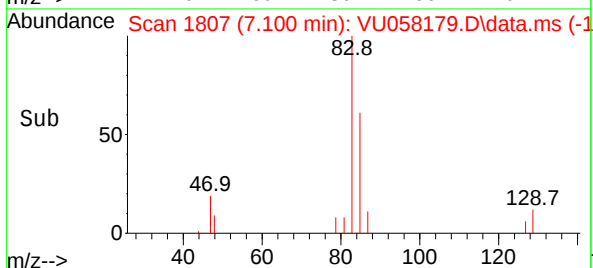
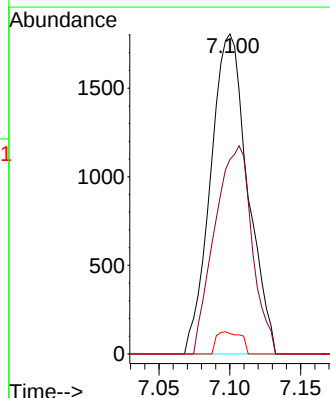
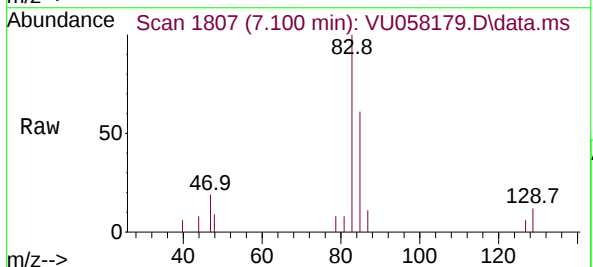
Instrument :
MSVOA_U
ClientSampleId :

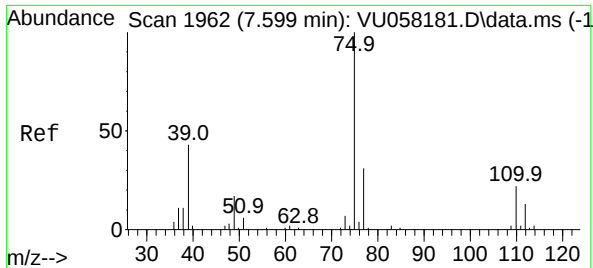
Tgt Ion: 63 Resp: 3106
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#



#38
Bromodichloromethane
Concen: 0.419 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

Tgt Ion: 83 Resp: 3299
Ion Ratio Lower Upper
83 100
85 60.8 45.6 84.8
127 6.4 7.1 10.7#

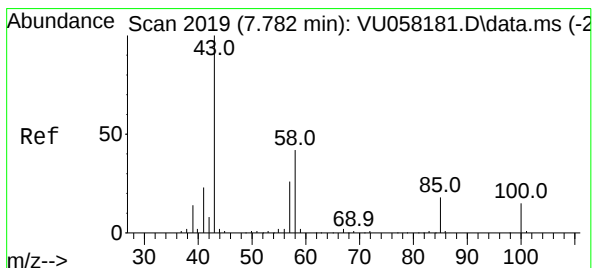
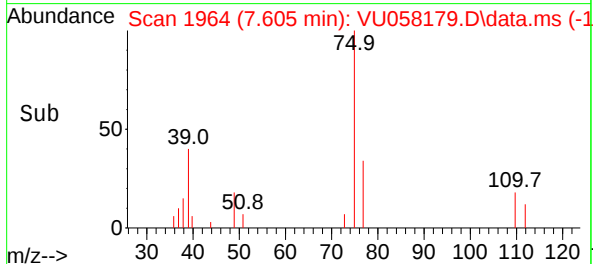
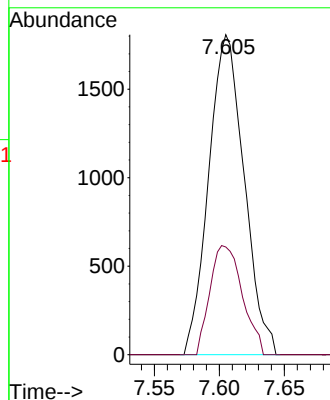
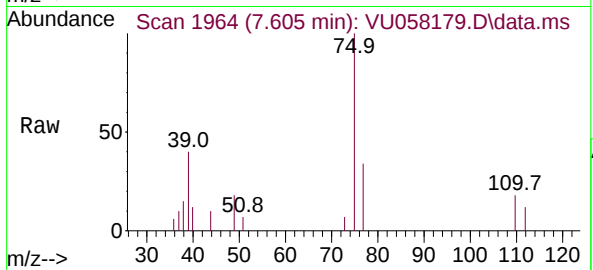




#39
 cis-1,3-Dichloropropene
 Concen: 0.385 ug/L
 RT: 7.605 min Scan# 1962
 Delta R.T. 0.006 min
 Lab File: VU058179.D
 Acq: 21 Mar 2024 12:07

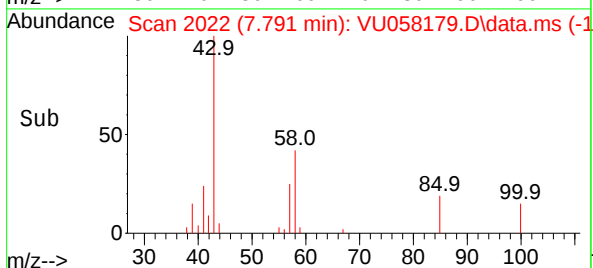
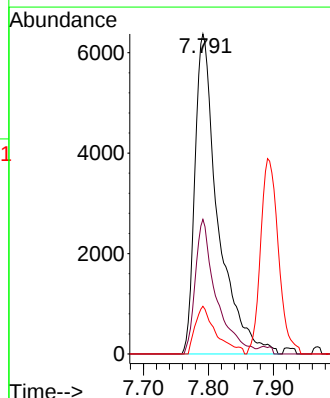
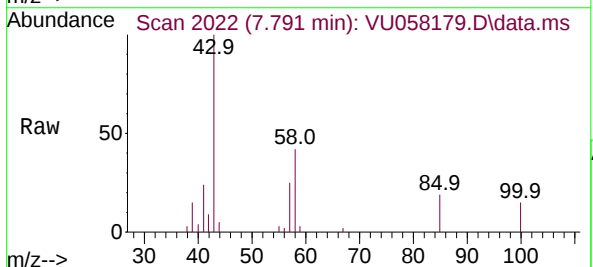
Instrument :
 MSVOA_U
 ClientSampleId :

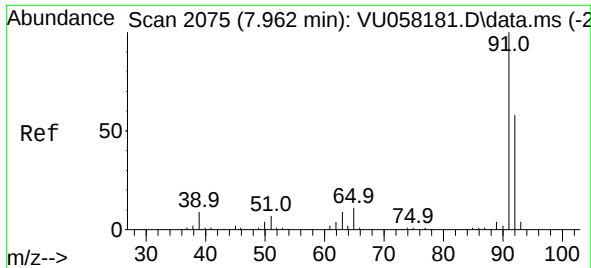
Tgt Ion: 75 Resp: 3425
 Ion Ratio Lower Upper
 75 100
 77 33.7 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 5.202 ug/L
 RT: 7.791 min Scan# 2022
 Delta R.T. 0.010 min
 Lab File: VU058179.D
 Acq: 21 Mar 2024 12:07

Tgt Ion: 43 Resp: 15754
 Ion Ratio Lower Upper
 43 100
 58 38.2 33.2 49.8
 100 13.4 11.5 17.3





#42

Toluene

Concen: 0.448 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU058179.D

Acq: 21 Mar 2024 12:07

Instrument :

MSVOA_U

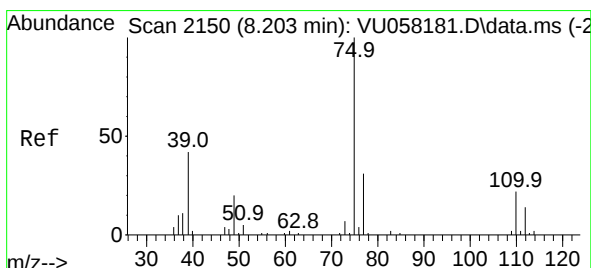
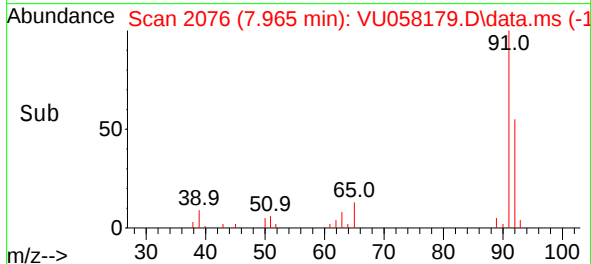
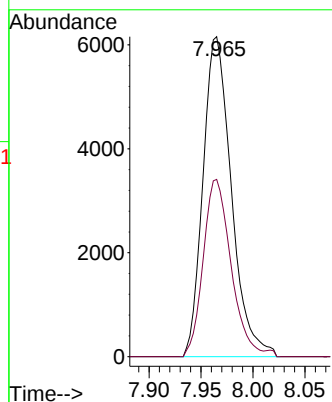
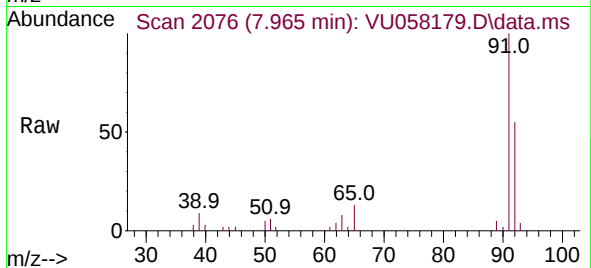
ClientSampleId :

Tgt Ion: 91 Resp: 11701

Ion Ratio Lower Upper

91 100

92 55.4 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 0.355 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.006 min

Lab File: VU058179.D

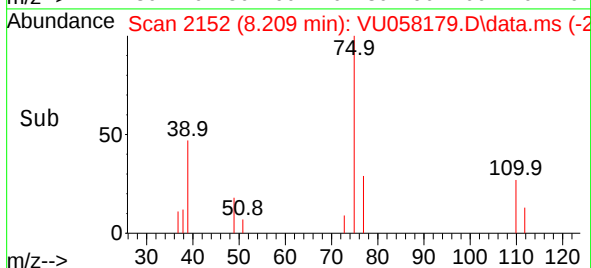
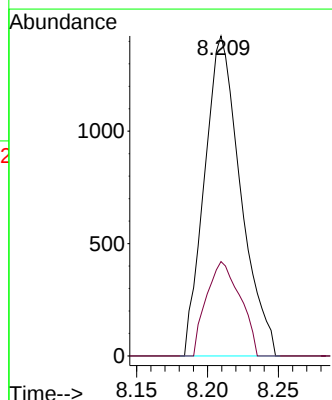
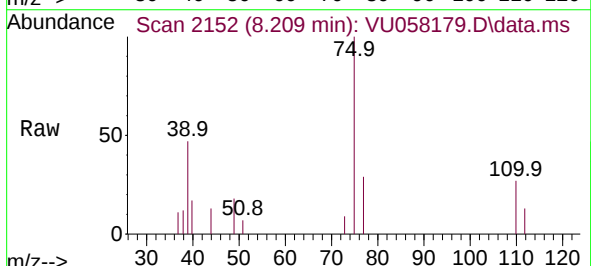
Acq: 21 Mar 2024 12:07

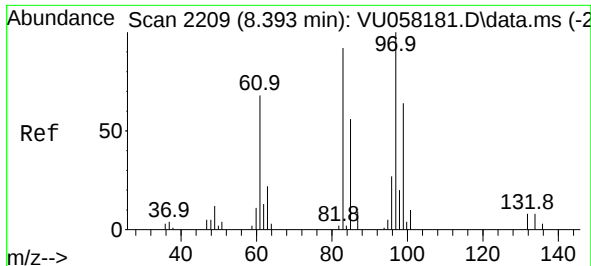
Tgt Ion: 75 Resp: 2520

Ion Ratio Lower Upper

75 100

77 29.5 21.7 40.3

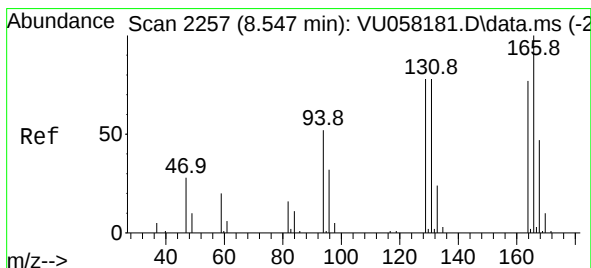
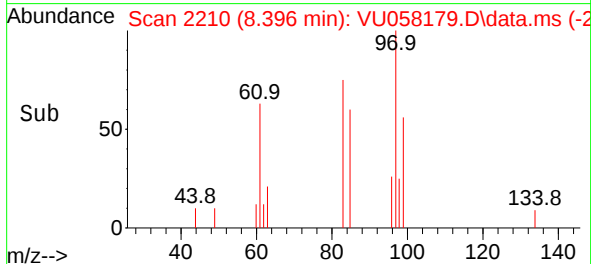
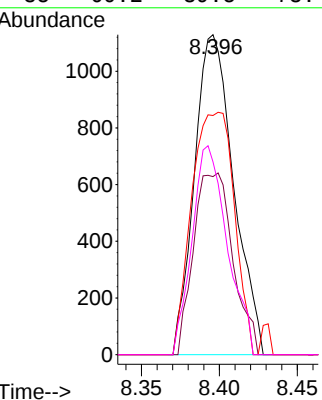
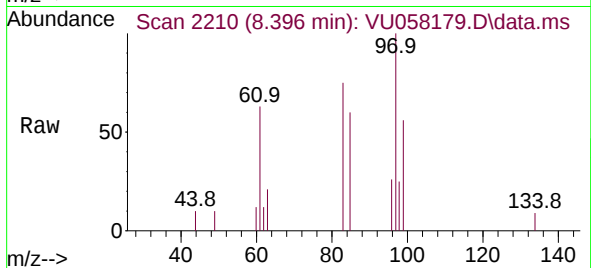




#45
1,1,2-Trichloroethane
Concen: 0.504 ug/L
RT: 8.396 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

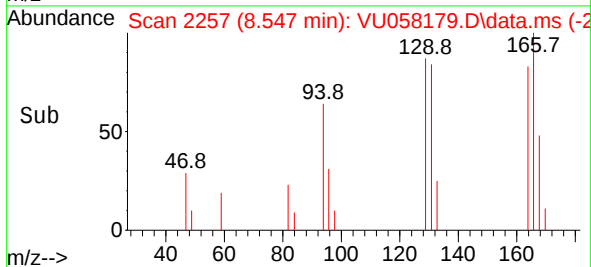
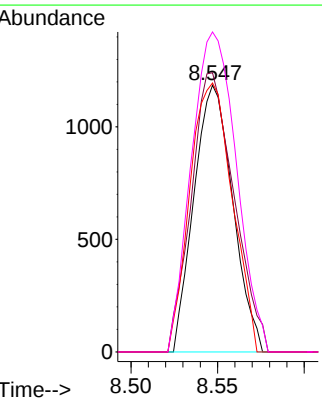
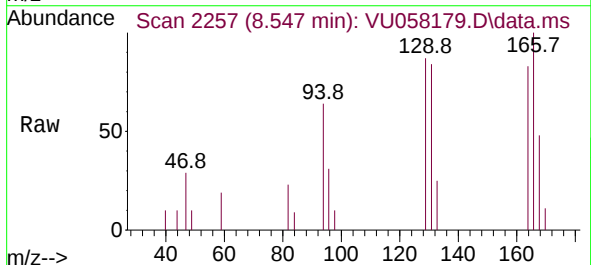
Instrument :
MSVOA_U
ClientSampleId :

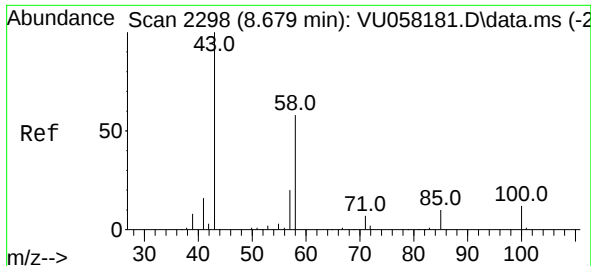
Tgt Ion: 97	Resp: 1974
Ion Ratio	Lower Upper
97 100	
99 55.6	44.5 82.7
83 74.8	64.1 119.1
85 60.2	39.5 73.4



#47
Tetrachloroethene
Concen: 0.403 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

Tgt Ion	164	Resp:	1844
	Ratio	Lower	Upper
164	100		
129	104.7	71.3	132.3
131	100.8	70.8	131.4
166	120.0	90.9	168.9





#48

2-Hexanone

Concen: 5.184 ug/L

RT: 8.692 min Scan# 21

Delta R.T. 0.013 min

Lab File: VU058179.D

Acq: 21 Mar 2024 12:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 11481

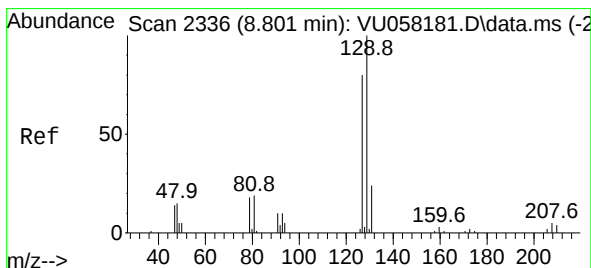
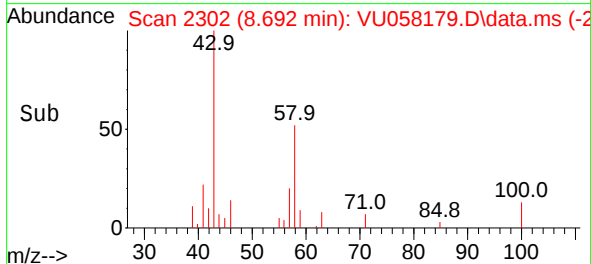
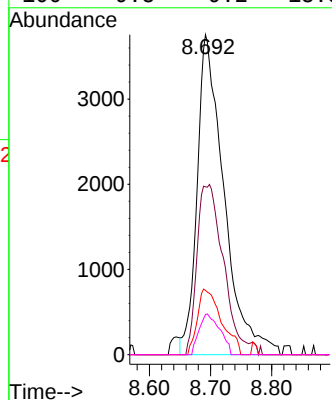
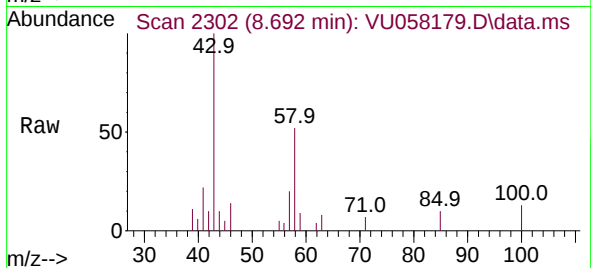
Ion Ratio Lower Upper

43 100

58 51.6 48.3 72.5

57 18.4 16.3 24.5

100 9.8 9.2 13.8



#49

Dibromochloromethane

Concen: 0.387 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. 0.003 min

Lab File: VU058179.D

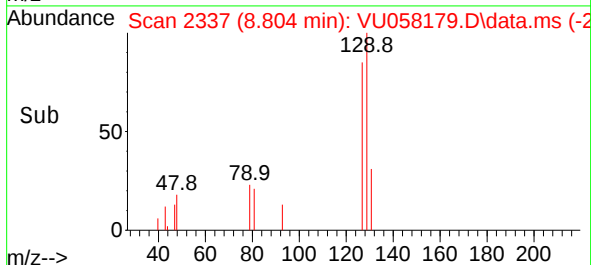
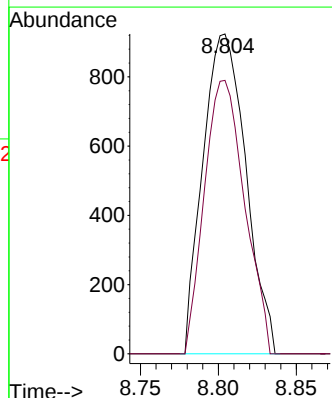
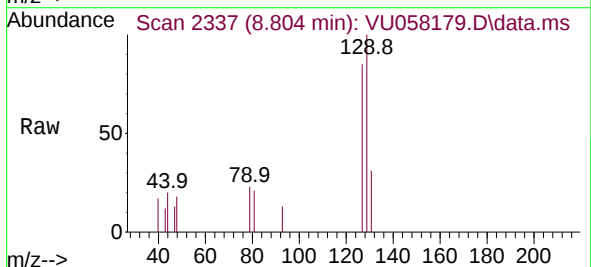
Acq: 21 Mar 2024 12:07

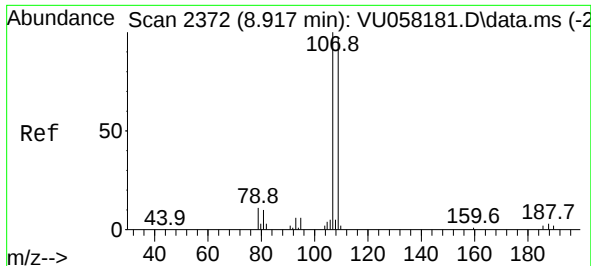
Tgt Ion: 129 Resp: 1772

Ion Ratio Lower Upper

129 100

127 85.5 55.7 103.5

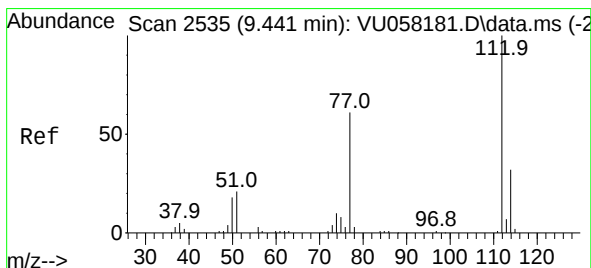
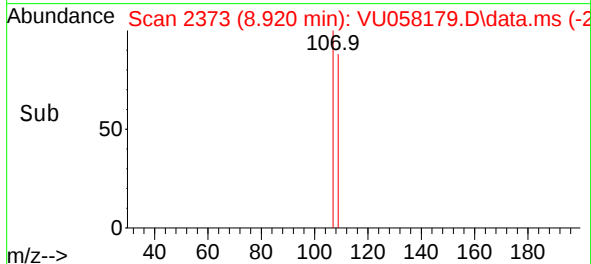
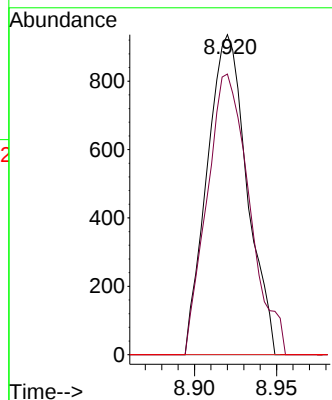
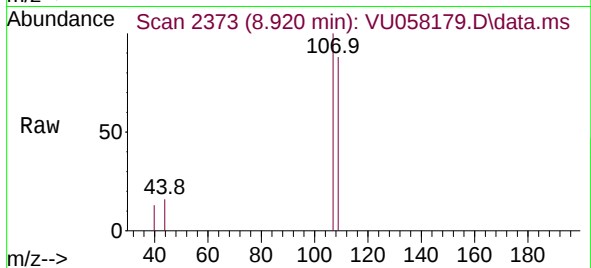




#50
1,2-Dibromoethane
Concen: 0.458 ug/L
RT: 8.920 min Scan# 24
Delta R.T. 0.003 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

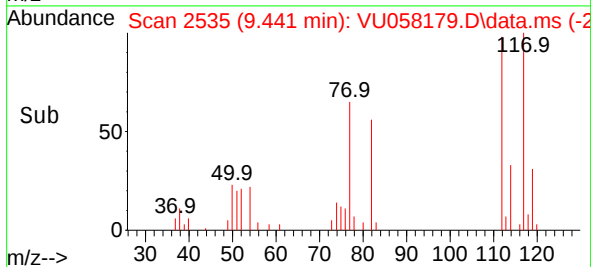
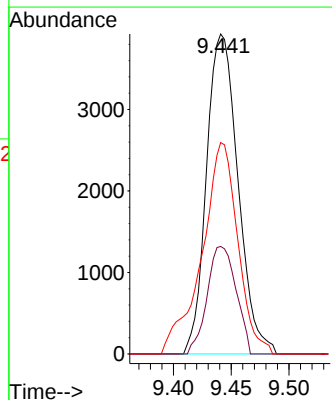
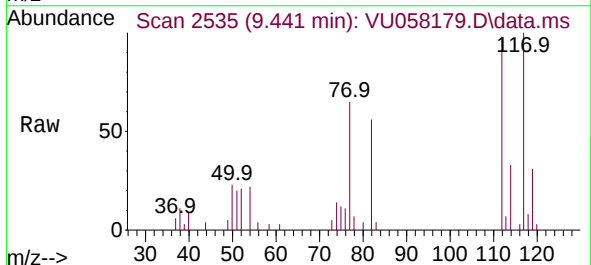
Instrument :
MSVOA_U
ClientSampleId :

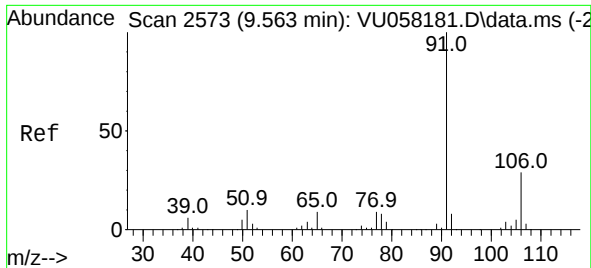
Tgt Ion:107 Resp: 1582
Ion Ratio Lower Upper
107 100
109 87.7 67.8 125.8
188 0.0 2.5 3.7#



#51
Chlorobenzene
Concen: 0.451 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

Tgt Ion:112 Resp: 7453
Ion Ratio Lower Upper
112 100
114 31.4 22.7 42.3
77 61.8 48.9 73.3





#52

Ethylbenzene

Concen: 0.441 ug/L

RT: 9.566 min Scan# 2573

Delta R.T. 0.003 min

Lab File: VU058179.D

Acq: 21 Mar 2024 12:07

Instrument :

MSVOA_U

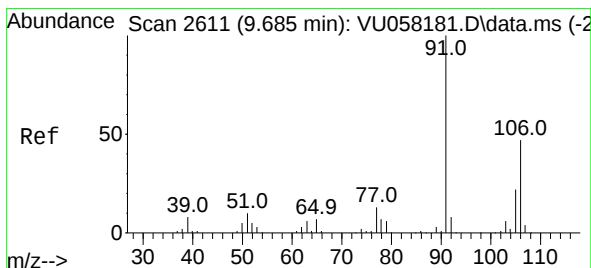
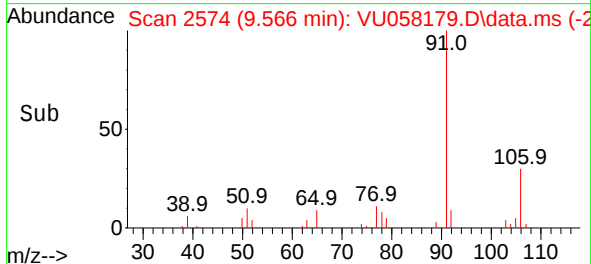
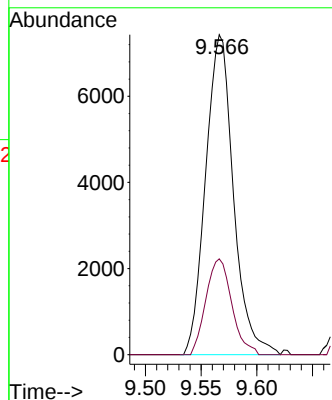
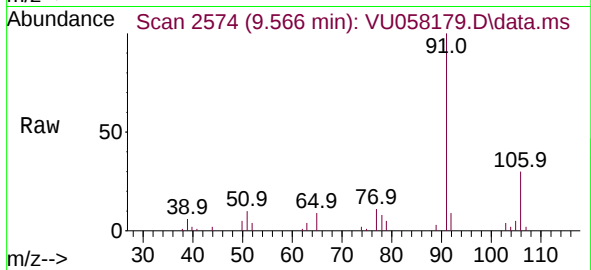
ClientSampleId :

Tgt Ion: 91 Resp: 12915

Ion Ratio Lower Upper

91 100

106 30.0 20.6 38.2



#53

m,p-Xylene

Concen: 0.414 ug/L

RT: 9.692 min Scan# 2613

Delta R.T. 0.006 min

Lab File: VU058179.D

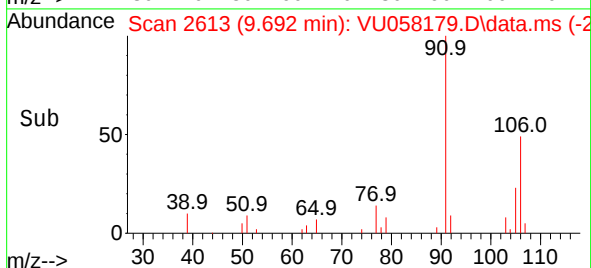
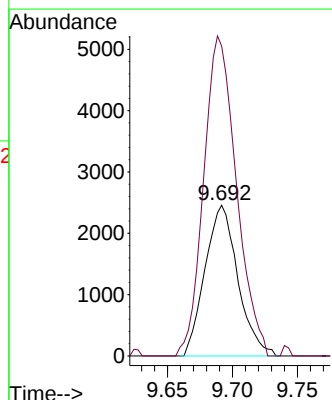
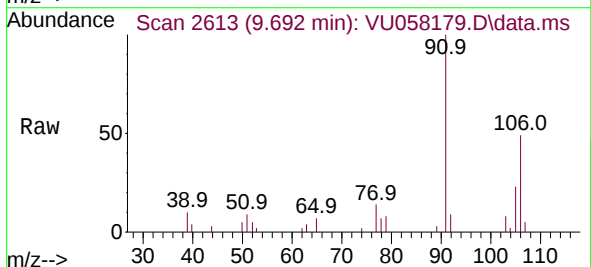
Acq: 21 Mar 2024 12:07

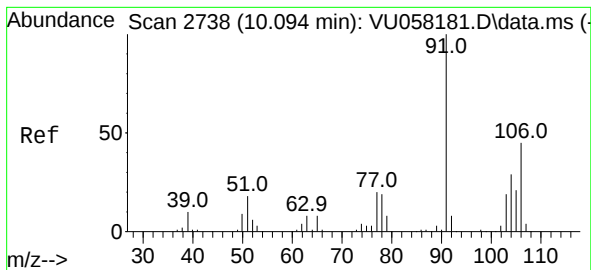
Tgt Ion:106 Resp: 4318

Ion Ratio Lower Upper

106 100

91 205.7 151.0 280.4





#54

o-Xylene

Concen: 0.420 ug/L

RT: 10.097 min Scan# 2738

Delta R.T. 0.003 min

Lab File: VU058179.D

Acq: 21 Mar 2024 12:07

Instrument :

MSVOA_U

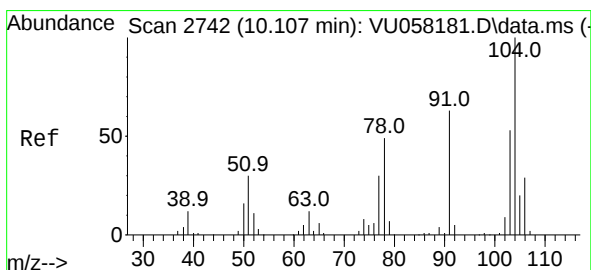
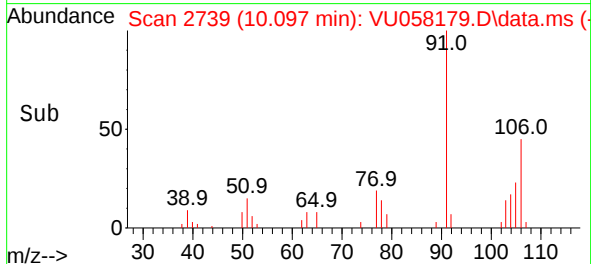
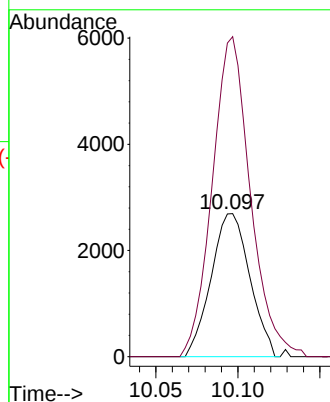
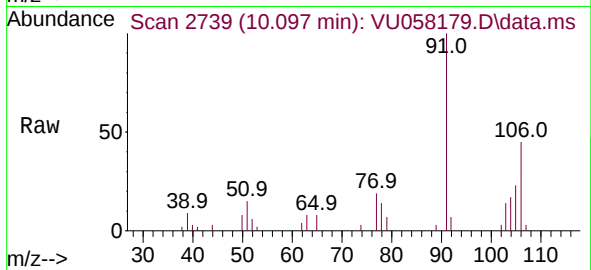
ClientSampleId :

Tgt Ion:106 Resp: 4410

Ion Ratio Lower Upper

106 100

91 223.8 154.3 286.7



#55

Styrene

Concen: 0.399 ug/L

RT: 10.116 min Scan# 2745

Delta R.T. 0.010 min

Lab File: VU058179.D

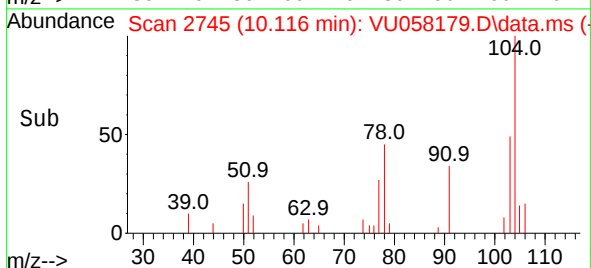
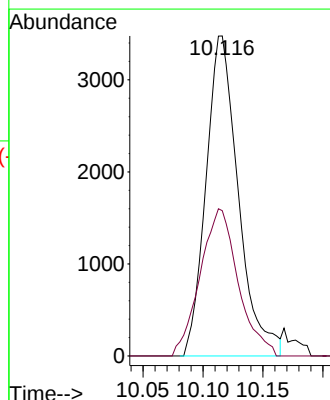
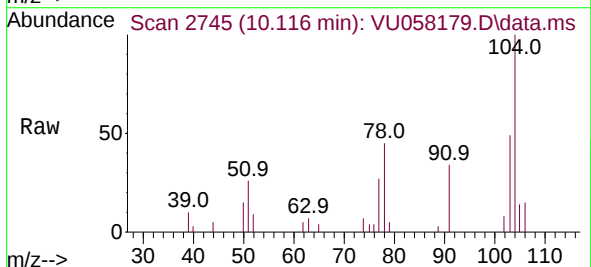
Acq: 21 Mar 2024 12:07

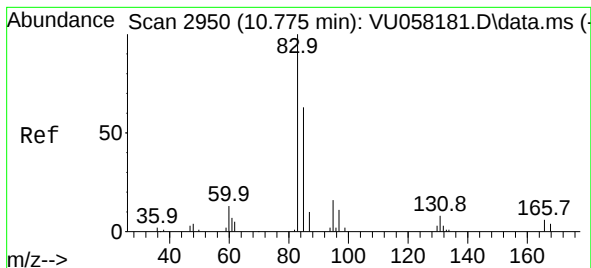
Tgt Ion:104 Resp: 6525

Ion Ratio Lower Upper

104 100

78 45.4 34.5 64.1

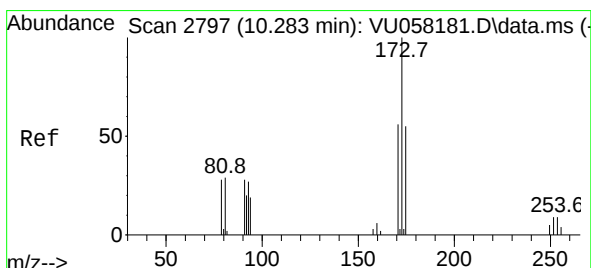
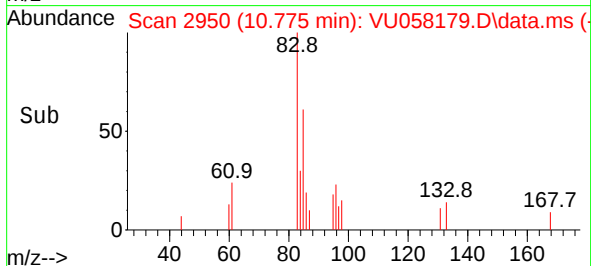
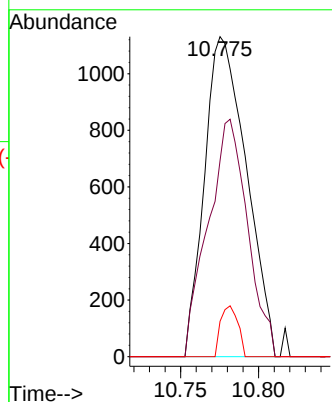
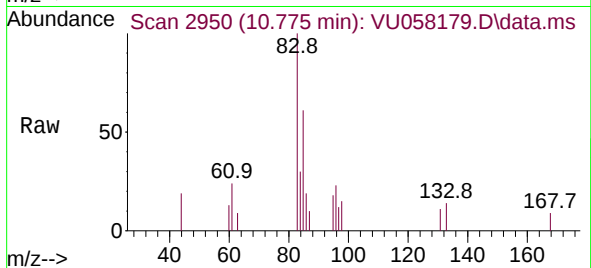




#57
1,1,2,2-Tetrachloroethane
Concen: 0.458 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

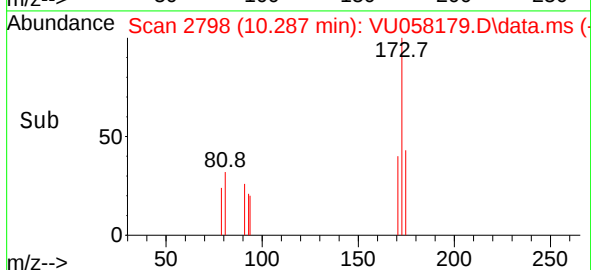
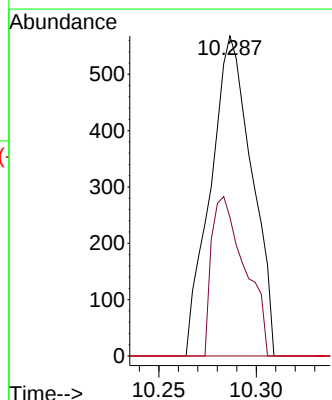
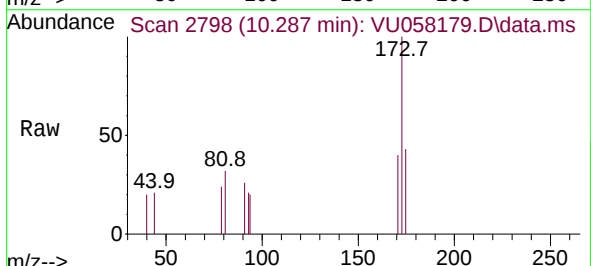
Instrument :
MSVOA_U
ClientSampleId :

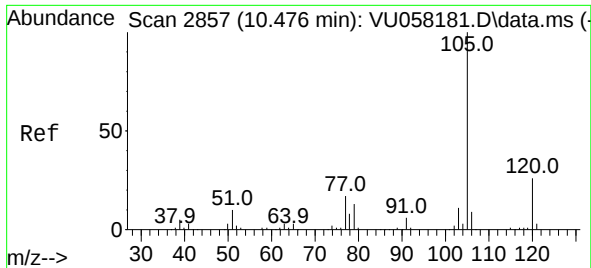
Tgt Ion: 83 Resp: 2113
Ion Ratio Lower Upper
83 100
85 61.3 44.7 82.9
131 11.1 7.0 10.6#



#59
Bromoform
Concen: 0.413 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.003 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

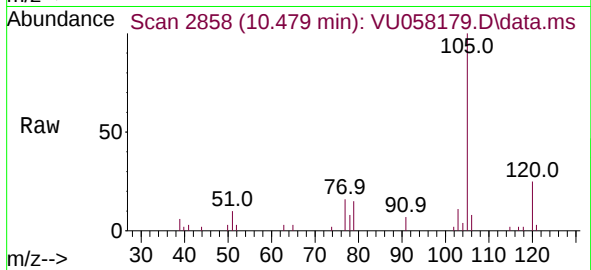
Tgt Ion:173 Resp: 837
Ion Ratio Lower Upper
173 100
175 40.3 40.9 61.3#
254 0.0 5.8 8.8#



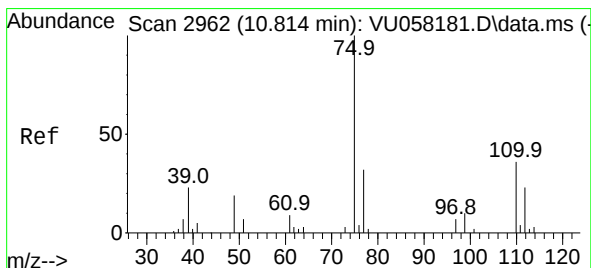
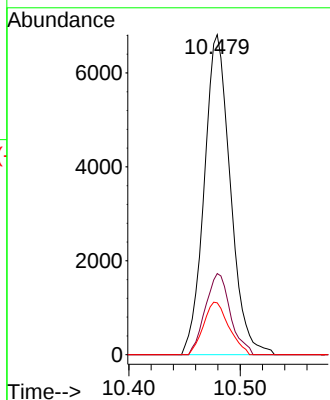
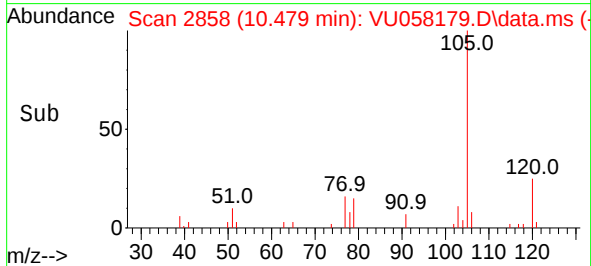


#60
Isopropylbenzene
Concen: 0.463 ug/L
RT: 10.479 min Scan# 2857
Delta R.T. 0.003 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

Instrument :
MSVOA_U
ClientSampleId :

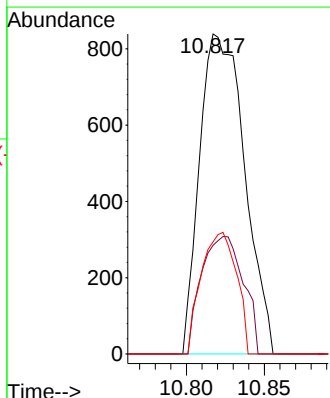
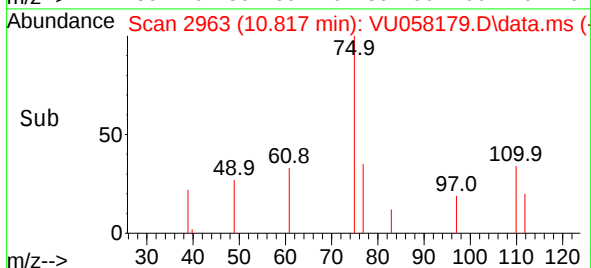
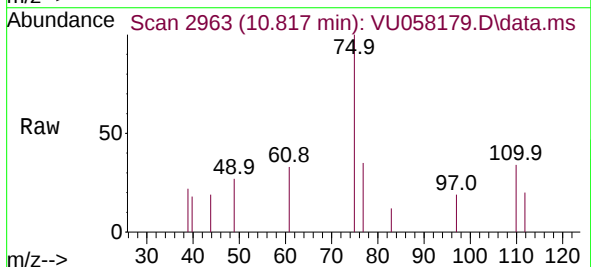


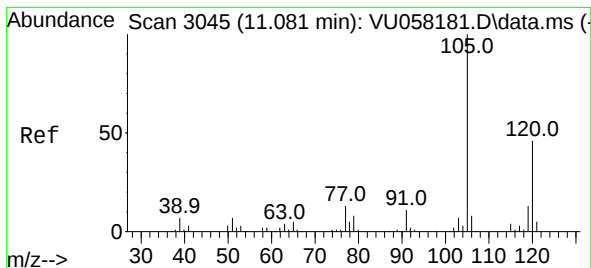
Tgt Ion:105 Resp: 11116
Ion Ratio Lower Upper
105 100
120 24.3 20.5 30.7
77 15.9 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 0.561 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.003 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

Tgt Ion: 75 Resp: 1680
Ion Ratio Lower Upper
75 100
110 34.2 28.1 42.1
77 29.8 25.1 37.7





#62

1,3,5-Trimethylbenzene

Concen: 0.444 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU058179.D

Acq: 21 Mar 2024 12:07

Instrument :

MSVOA_U

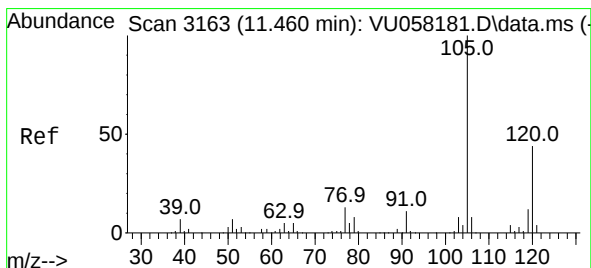
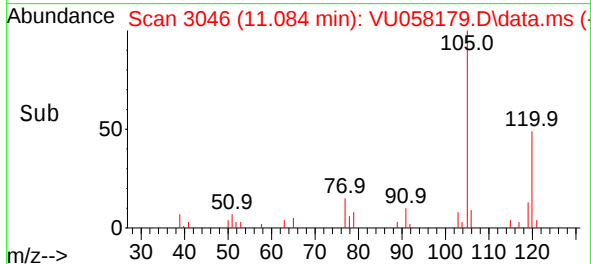
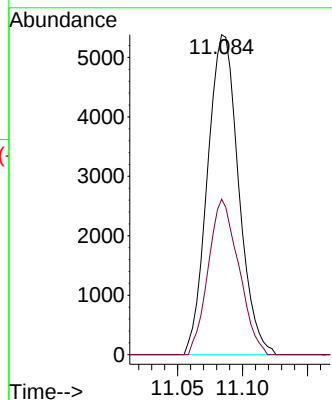
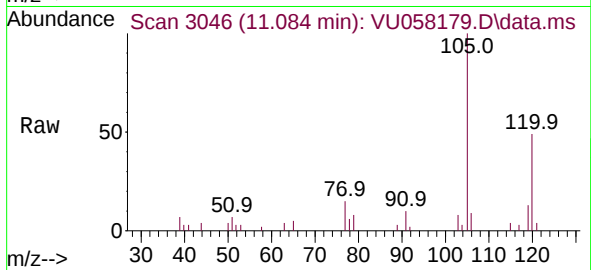
ClientSampleId :

Tgt Ion:105 Resp: 8977

Ion Ratio Lower Upper

105 100

120 47.6 36.7 55.1



#63

1,2,4-Trimethylbenzene

Concen: 0.457 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.006 min

Lab File: VU058179.D

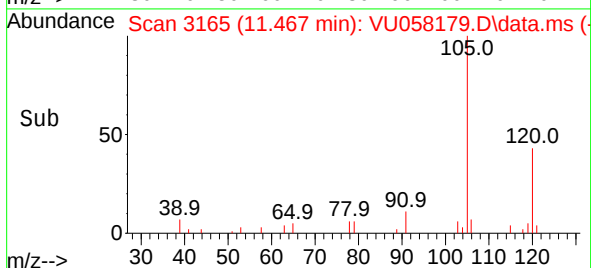
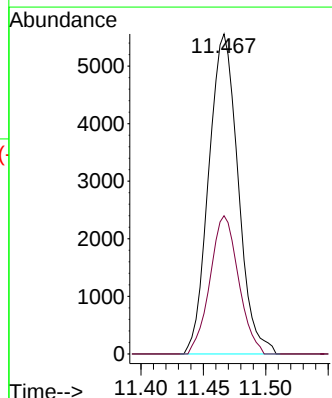
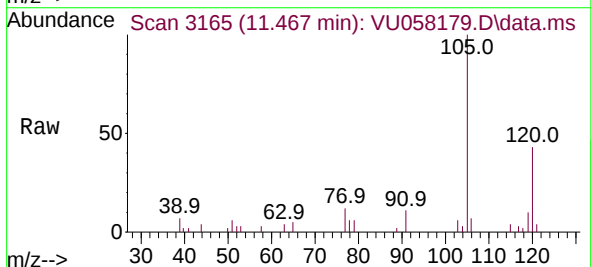
Acq: 21 Mar 2024 12:07

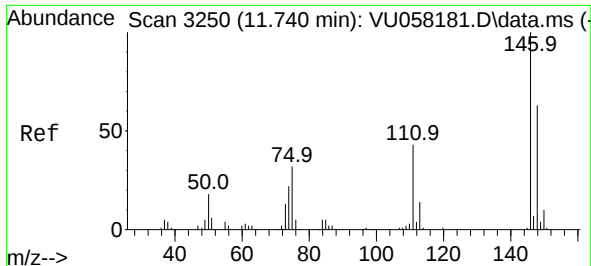
Tgt Ion:105 Resp: 9108

Ion Ratio Lower Upper

105 100

120 41.9 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 0.478 ug/L

RT: 11.746 min Scan# 3250

Delta R.T. 0.006 min

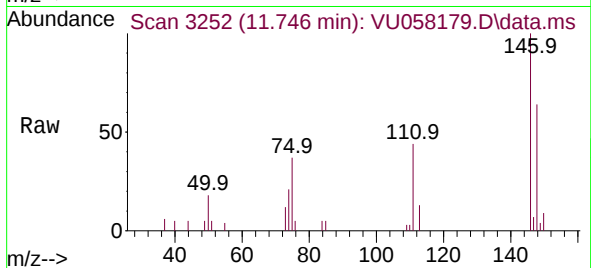
Lab File: VU058179.D

Acq: 21 Mar 2024 12:07

Instrument :

MSVOA_U

ClientSampleId :



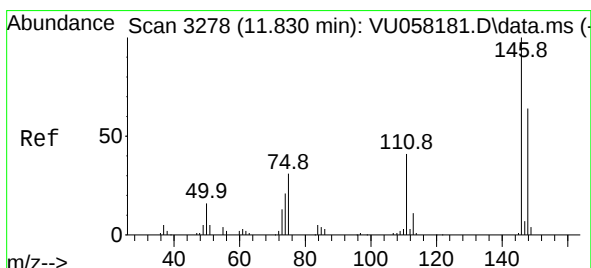
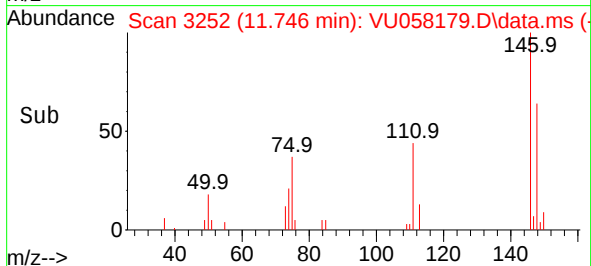
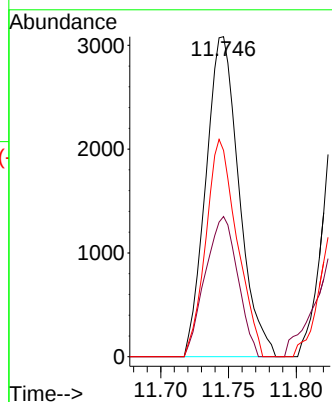
Tgt Ion:146 Resp: 5247

Ion Ratio Lower Upper

146 100

111 43.8 29.9 55.5

148 64.5 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 0.501 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU058179.D

Acq: 21 Mar 2024 12:07

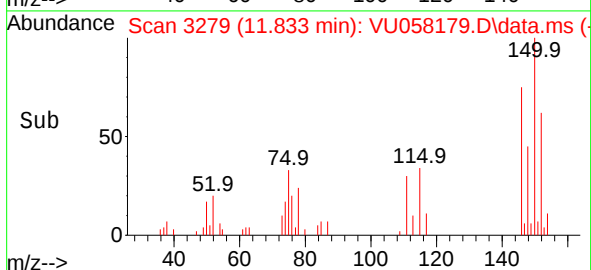
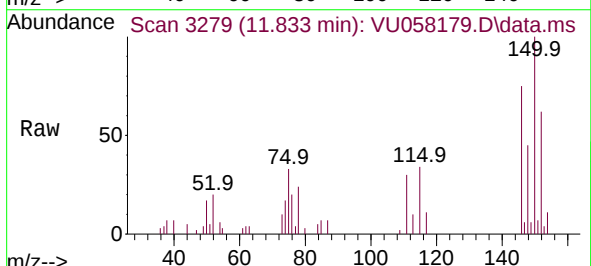
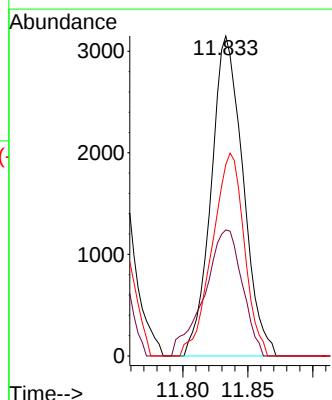
Tgt Ion:146 Resp: 5373

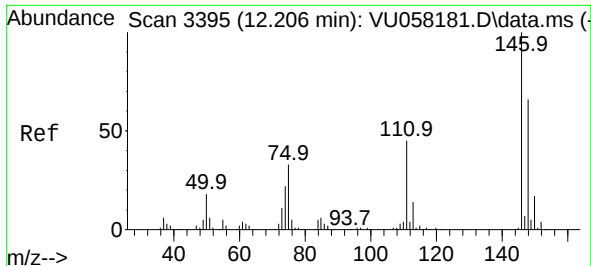
Ion Ratio Lower Upper

146 100

111 39.4 29.0 53.8

148 59.9 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 0.518 ug/L

RT: 12.212 min Scan# 3400

Delta R.T. 0.006 min

Lab File: VU058179.D

Acq: 21 Mar 2024 12:07

Instrument :

MSVOA_U

ClientSampleId :

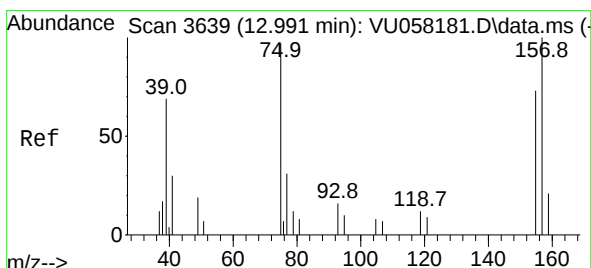
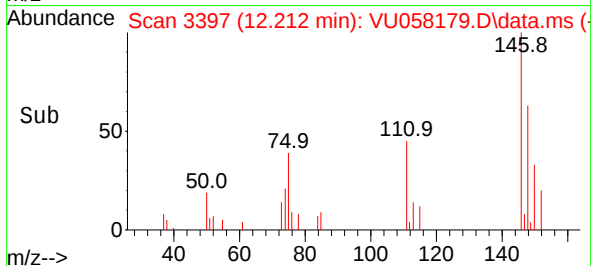
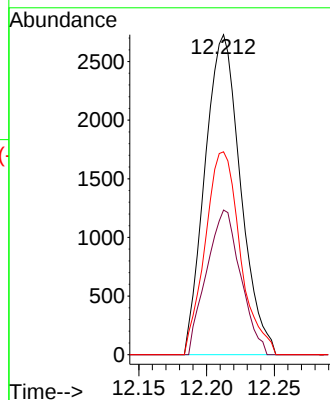
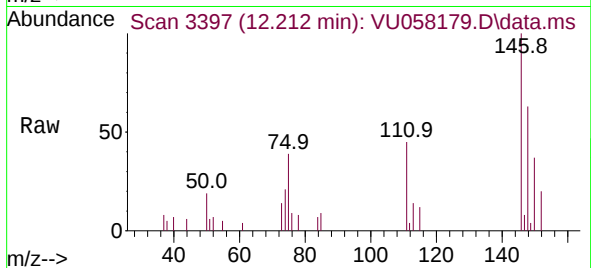
Tgt Ion:146 Resp: 4990

Ion Ratio Lower Upper

146 100

111 45.2 35.9 53.9

148 67.6 52.4 78.6



#68

1,2-Dibromo-3-chloropropane

Concen: 0.188 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU058179.D

Acq: 21 Mar 2024 12:07

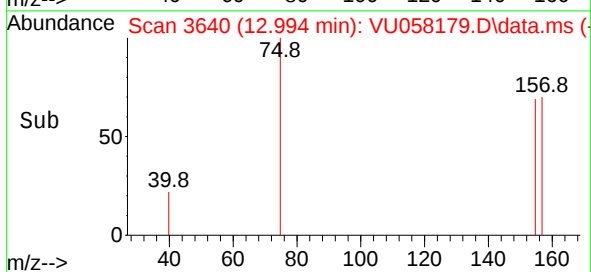
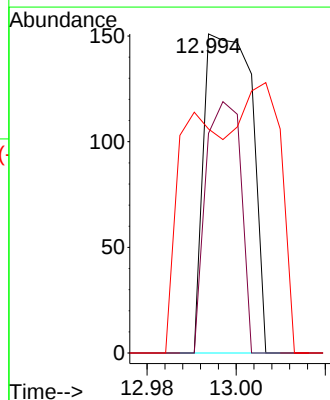
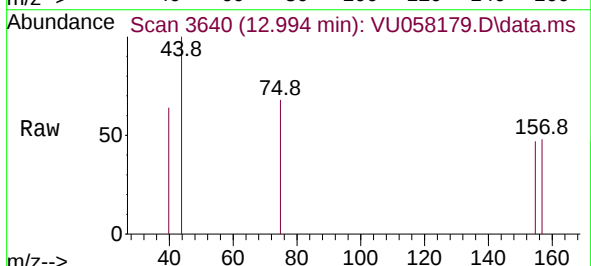
Tgt Ion: 75 Resp: 111

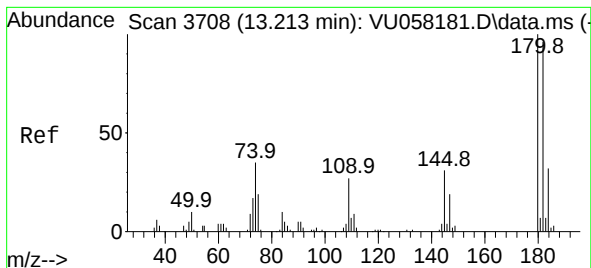
Ion Ratio Lower Upper

75 100

155 68.9 60.2 90.2

157 70.2 82.6 123.8#





#69

1,3,5-Trichlorobenzene

Concen: 0.450 ug/L

RT: 13.219 min Scan# 31

Delta R.T. 0.006 min

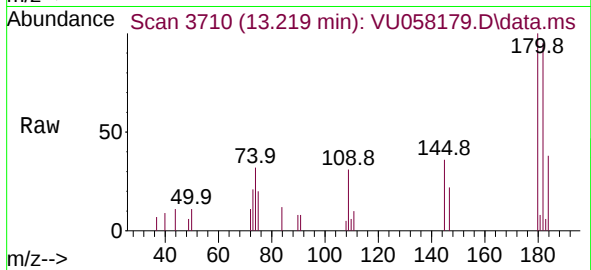
Lab File: VU058179.D

Acq: 21 Mar 2024 12:07

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 3547

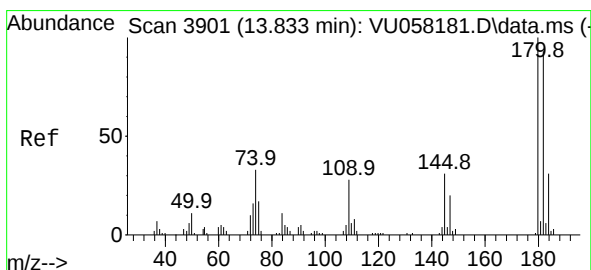
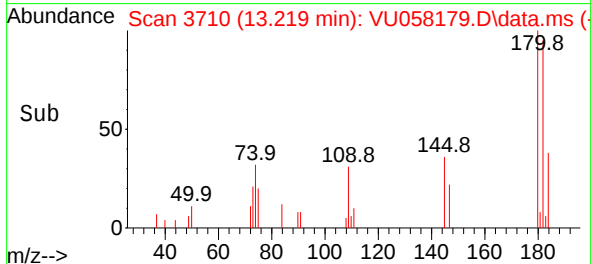
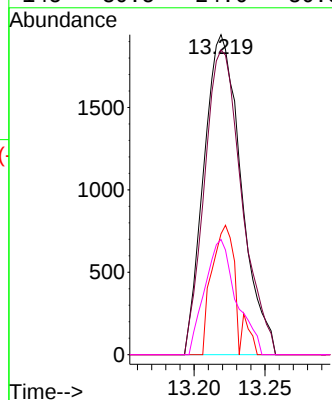
Ion Ratio Lower Upper

180 100

182 95.2 75.4 113.0

184 26.4 24.8 37.2

145 30.5 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 0.406 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.006 min

Lab File: VU058179.D

Acq: 21 Mar 2024 12:07

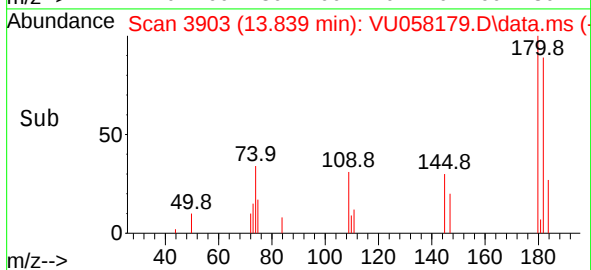
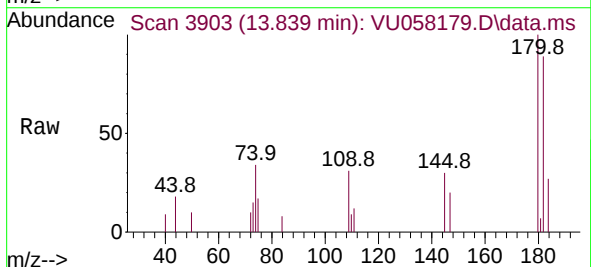
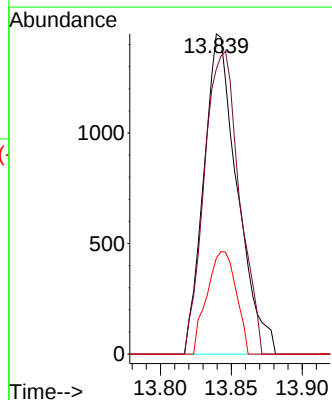
Tgt Ion:180 Resp: 2388

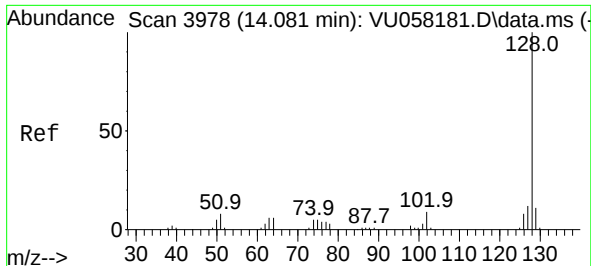
Ion Ratio Lower Upper

180 100

182 98.4 74.5 111.7

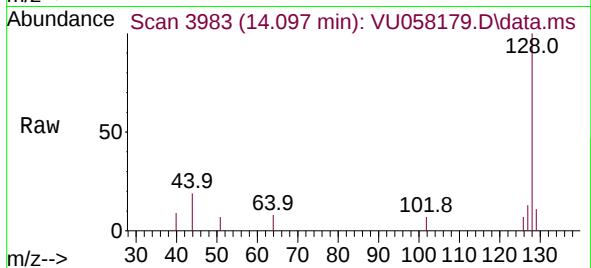
145 27.7 24.5 36.7



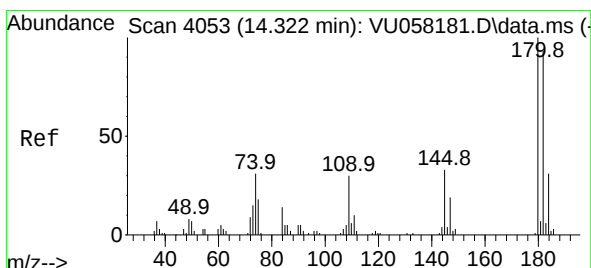
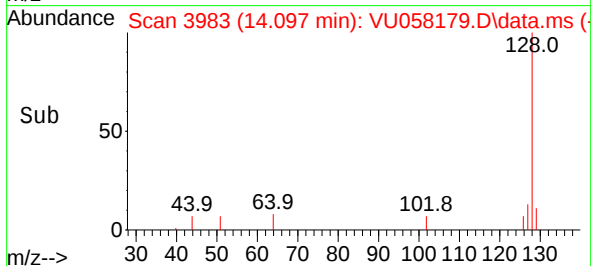
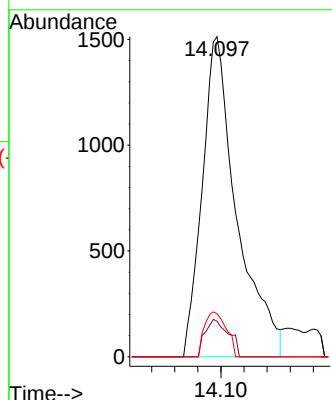


#71
Naphthalene
Concen: 0.391 ug/L
RT: 14.097 min Scan# 3978
Delta R.T. 0.016 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 3141
Ion Ratio Lower Upper
128 100
129 7.9 8.1 12.1#
127 8.8 10.2 15.4#



#72
1,2,3-Trichlorobenzene
Concen: 0.434 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.006 min
Lab File: VU058179.D
Acq: 21 Mar 2024 12:07

Tgt Ion:180 Resp: 2041
Ion Ratio Lower Upper
180 100
182 88.8 74.4 111.6
145 30.3 26.3 39.5

