

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121923\
 Data File : VU057054.D
 Acq On : 19 Dec 2023 19:11
 Operator : MD/SY
 Sample : 05771-10MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 20 05:00:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 20 04:54:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	212313	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	206171	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	105213	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	69411	3.814	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.200%
7) Chloroethane-d5	1.908	69	51471	3.779	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.600%
11) 1,1-Dichloroethene-d2	2.563	65	30224	3.882	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.600%
20) 2-Butanone-d5	4.618	46	135913	37.817	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.640%
24) Chloroform-d	5.055	84	146262	4.244	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.800%
26) 1,2-Dichloroethane-d4	5.695	65	70736	4.338	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.800%
32) Benzene-d6	5.721	84	261034	4.082	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.600%
36) 1,2-Dichloropropane-d6	6.682	67	79531	3.973	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.400%
41) Toluene-d8	7.891	98	241397	4.224	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
43) trans-1,3-Dichloroprop...	8.174	79	31286	4.031	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.600%
46) 2-Hexanone-d5	8.628	63	120092	41.021	ug/L	-0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.040%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	62482	4.315	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	84074	4.065	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	100596	4.522	ug/L	99
3) Chloromethane	1.515	50	106680	4.877	ug/L	99
5) Vinyl chloride	1.602	62	105667	4.864	ug/L	100
6) Bromomethane	1.853	94	53099	4.146	ug/L	100
8) Chloroethane	1.930	64	59820	4.701	ug/L	96
9) Trichlorofluoromethane	2.133	101	164408	5.370	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	87614	4.666	ug/L	97
12) 1,1-Dichloroethene	2.576	96	78031	4.527	ug/L	92
13) Acetone	2.628	43	104876	47.884	ug/L	95
14) Carbon disulfide	2.789	76	229505	3.838	ug/L	98
15) Methyl Acetate	2.949	43	24697	4.142	ug/L	94
16) Methylene chloride	3.039	84	85750	4.566	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	184275	4.821	ug/L	93
18) trans-1,2-Dichloroethene	3.345	96	79634	4.557	ug/L	96
19) 1,1-Dichloroethane	3.859	63	157480	4.684	ug/L	98
21) 2-Butanone	4.698	43	159773	43.257	ug/L	99
22) cis-1,2-Dichloroethene	4.657	96	96619	5.082	ug/L	99
23) Bromochloromethane	4.965	128	38498	4.837	ug/L	92
25) Chloroform	5.078	83	199586	5.667	ug/L	99

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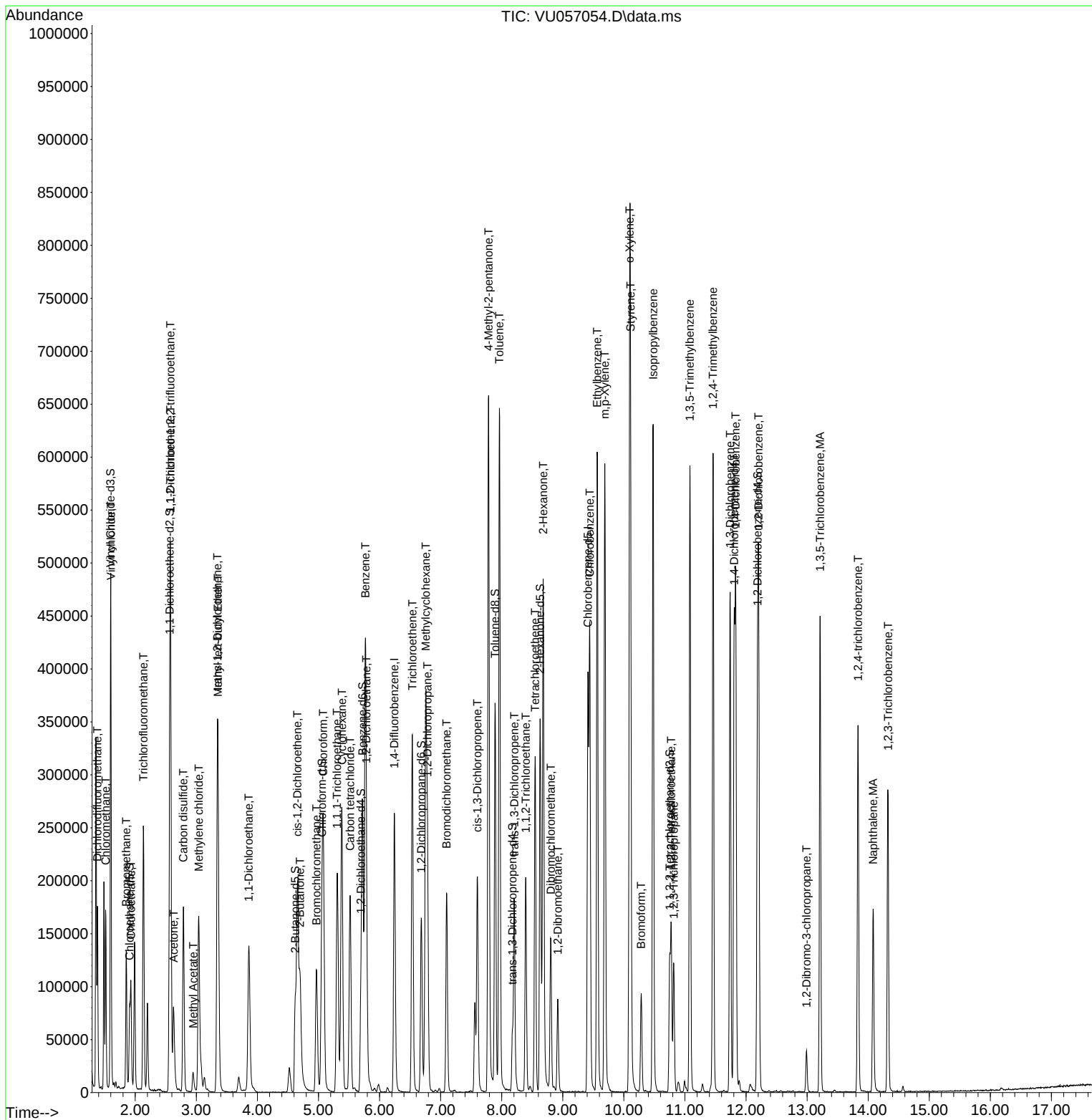
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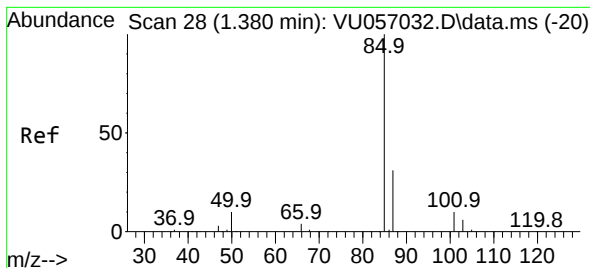
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	102016	4.898	ug/L	97
29) 1,1,1-Trichloroethane	5.306	97	158769	5.327	ug/L	97
30) Cyclohexane	5.383	56	130822	4.677	ug/L	98
31) Carbon tetrachloride	5.518	117	134511	5.193	ug/L	100
33) Benzene	5.766	78	386350	5.332	ug/L	100
34) Trichloroethene	6.538	95	123350	6.206	ug/L	95
35) Methylcyclohexane	6.756	83	138513	4.722	ug/L	98
37) 1,2-Dichloropropane	6.785	63	89211	4.813	ug/L	100
38) Bromodichloromethane	7.097	83	127809	5.407	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	127528	4.721	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	412075	46.820	ug/L	98
42) Toluene	7.962	91	475959	6.349	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	108366	4.894	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	64223	5.125	ug/L	96
47) Tetrachloroethene	8.547	164	67251	4.835	ug/L	97
48) 2-Hexanone	8.679	43	299460	47.773	ug/L	99
49) Dibromochloromethane	8.804	129	74917	5.201	ug/L	99
50) 1,2-Dibromoethane	8.917	107	56261	4.838	ug/L	99
51) Chlorobenzene	9.441	112	231288	4.840	ug/L	99
52) Ethylbenzene	9.563	91	430124	5.201	ug/L	98
53) m,p-Xylene	9.689	106	162123	5.262	ug/L	98
54) o-Xylene	10.094	106	151943	5.176	ug/L	99
55) Styrene	10.110	104	252605	5.240	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	73424	4.850	ug/L #	99
59) Bromoform	10.283	173	43029	5.009	ug/L	100
60) Isopropylbenzene	10.480	105	398453	4.793	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	51951	4.599	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	322789	4.751	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	333021	4.935	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	185119	4.708	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	178679	4.615	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	167589	4.678	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.988	75	11267	4.995	ug/L	94
69) 1,3,5-Trichlorobenzene	13.213	180	134250	4.518	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	102967	4.376	ug/L	99
71) Naphthalene	14.081	128	141046	4.096	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	84949	4.253	ug/L	99

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

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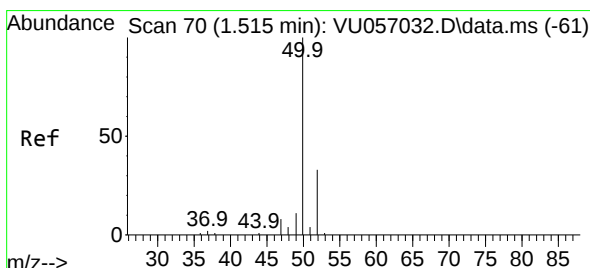
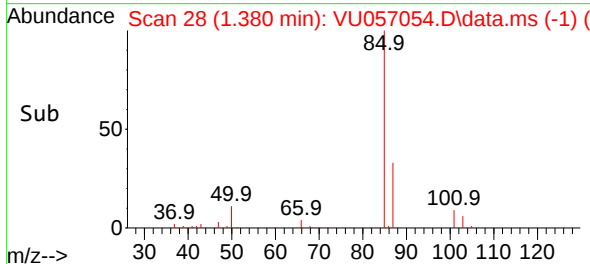
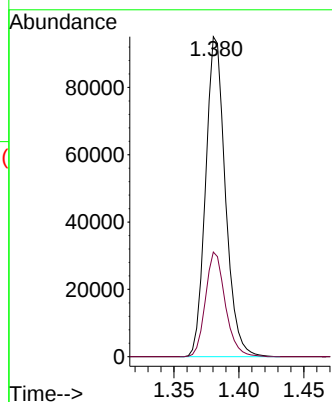
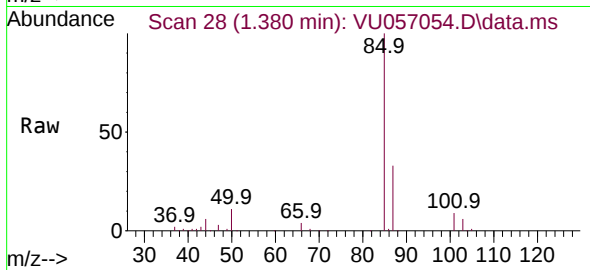




#2
 Dichlorodifluoromethane
 Concen: 4.522 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU057054.D
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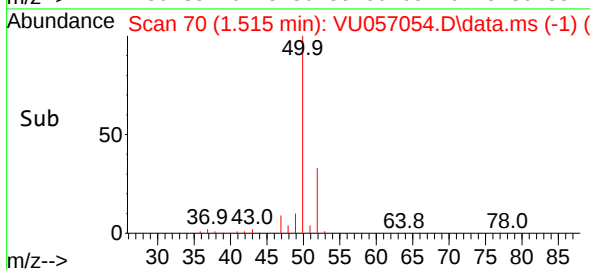
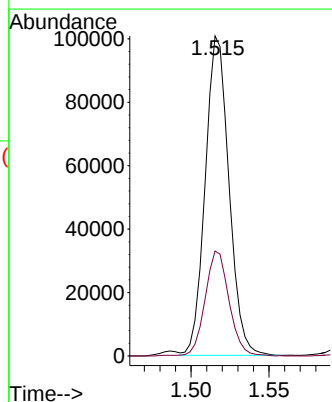
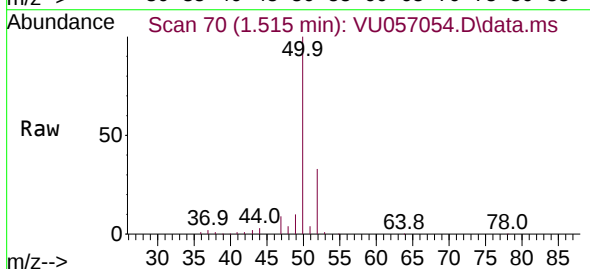
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 ClientSampleId :

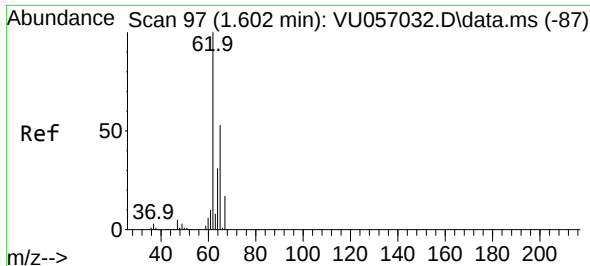
Tgt Ion: 85 Resp: 100596
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.8 40.2



#3
 Chloromethane
 Concen: 4.877 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU057054.D
 Acq: 19 Dec 2023 19:11

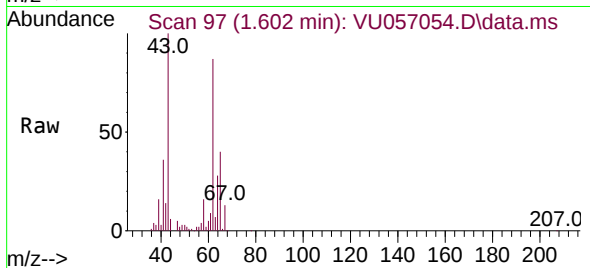
Tgt Ion: 50 Resp: 106680
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.5 41.7



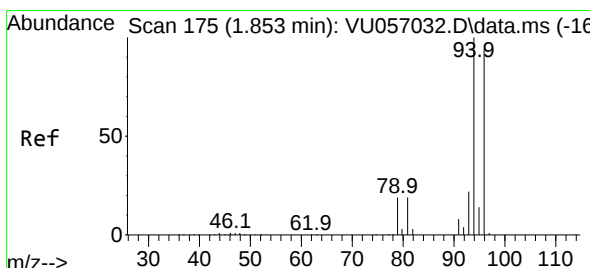
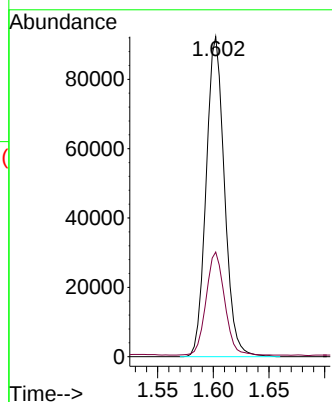
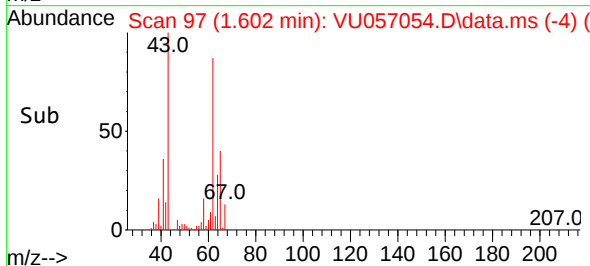


#5
 Vinyl chloride
 Concen: 4.864 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU057054.D
 Acq: 19 Dec 2023 19:11

Instrument :
 MSVOA_U
 ClientSampleId :

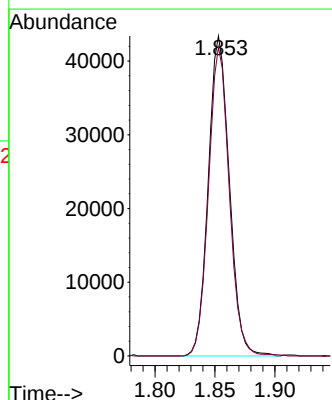
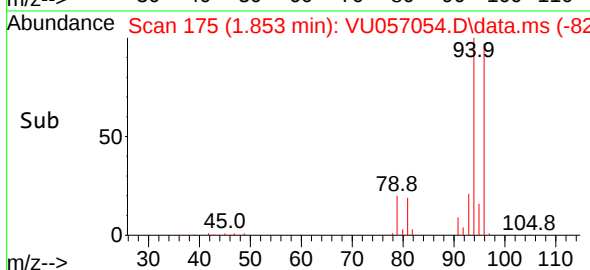
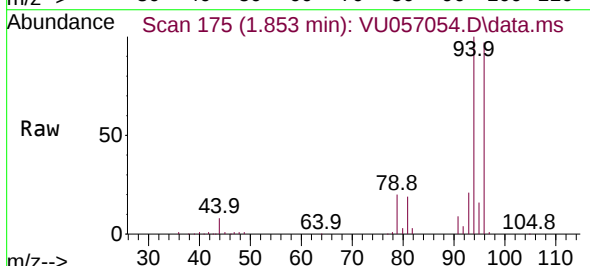


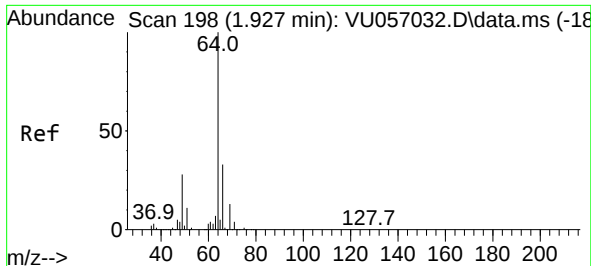
Tgt Ion: 62 Resp: 105667
 Ion Ratio Lower Upper
 62 100
 64 32.7 22.8 42.4



#6
 Bromomethane
 Concen: 4.146 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. 0.000 min
 Lab File: VU057054.D
 Acq: 19 Dec 2023 19:11

Tgt Ion: 94 Resp: 53099
 Ion Ratio Lower Upper
 94 100
 96 96.6 67.8 125.8

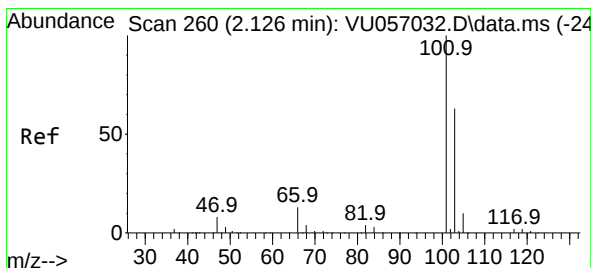
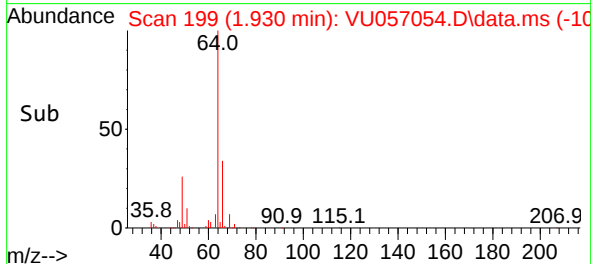
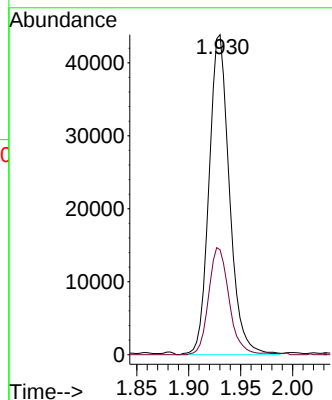
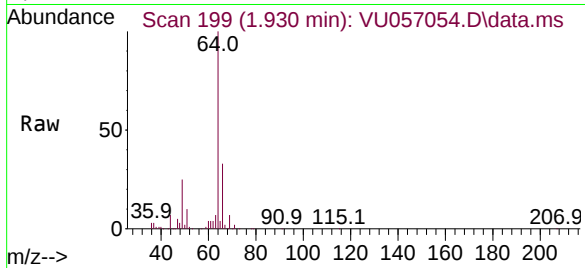




#8
Chloroethane
Concen: 4.701 ug/L
RT: 1.930 min Scan# 198
Delta R.T. 0.004 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

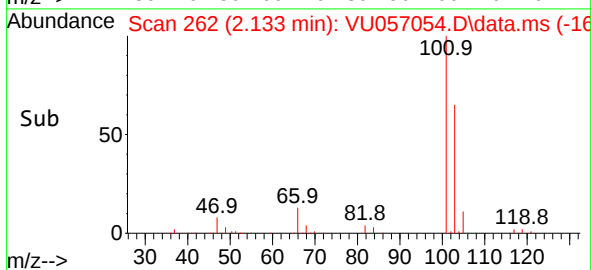
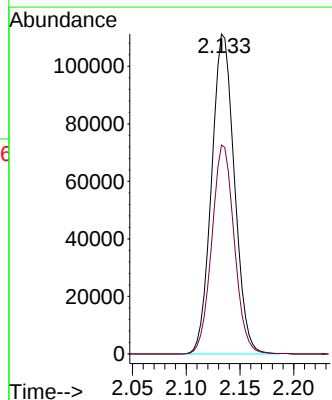
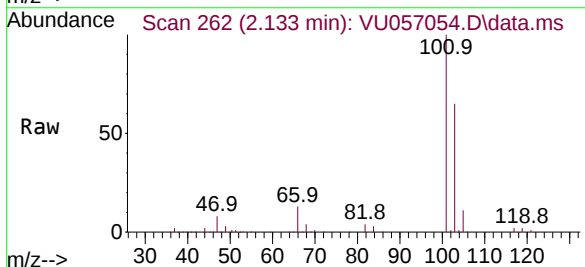
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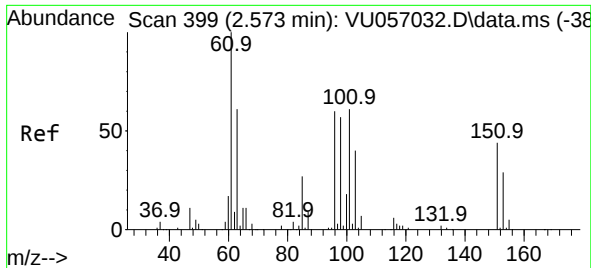
Tgt Ion: 64 Resp: 59820
Ion Ratio Lower Upper
64 100
66 32.8 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.370 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.007 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

Tgt Ion:101 Resp: 164408
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.2

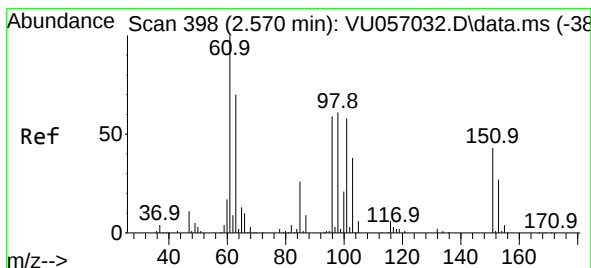
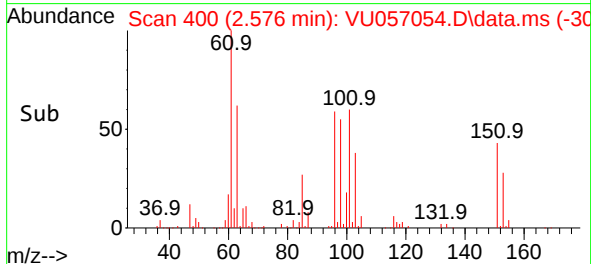
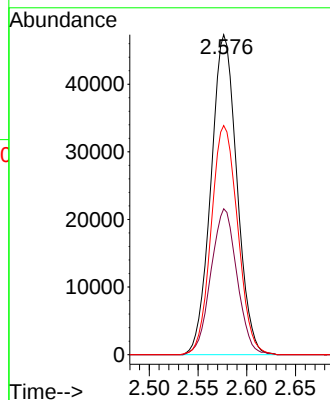
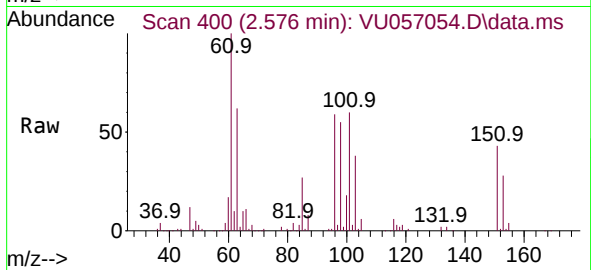




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.666 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.004 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

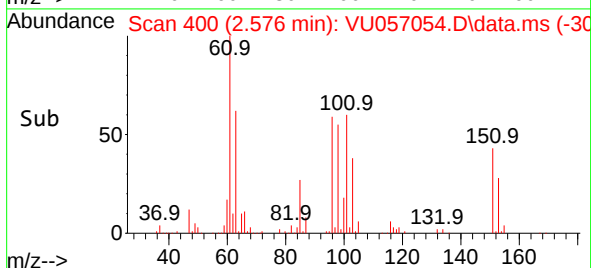
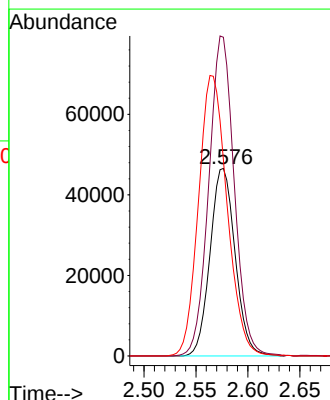
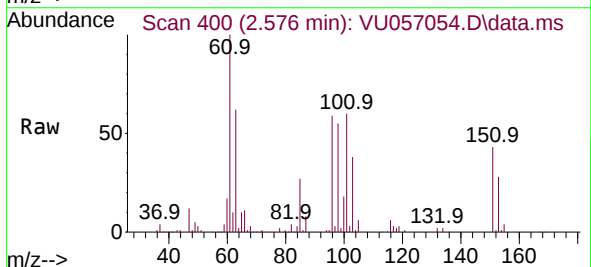
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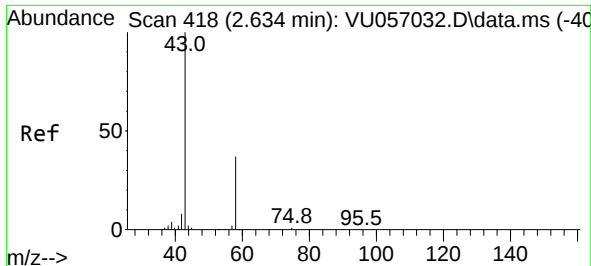
Tgt Ion:101 Resp: 87614
Ion Ratio Lower Upper
101 100
85 45.8 35.2 52.8
151 73.2 56.0 84.0



#12
1,1-Dichloroethene
Concen: 4.527 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.007 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

Tgt Ion: 96 Resp: 78031
Ion Ratio Lower Upper
96 100
61 170.0 119.0 221.0
63 104.7 88.7 164.7





#13

Acetone

Concen: 47.884 ug/L

RT: 2.628 min Scan# 41

Delta R.T. -0.006 min

Lab File: VU057054.D

Acq: 19 Dec 2023 19:11

Instrument :

MSVOA_U

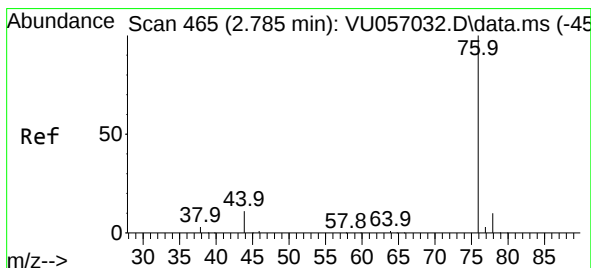
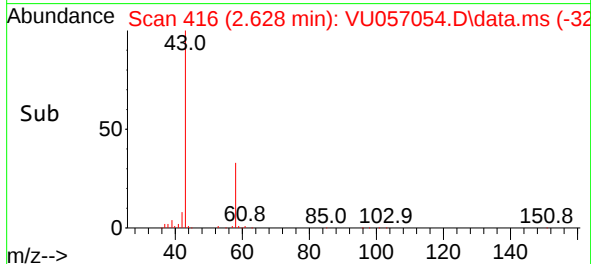
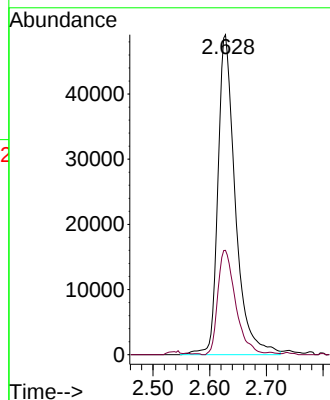
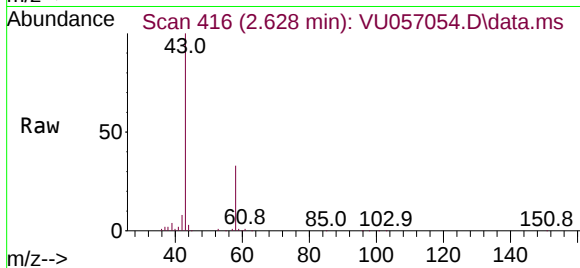
ClientSampleId :

Tgt Ion: 43 Resp: 104876

Ion Ratio Lower Upper

43 100

58 33.4 0.0 72.6



#14

Carbon disulfide

Concen: 3.838 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.003 min

Lab File: VU057054.D

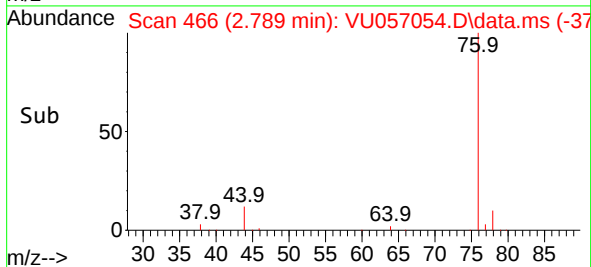
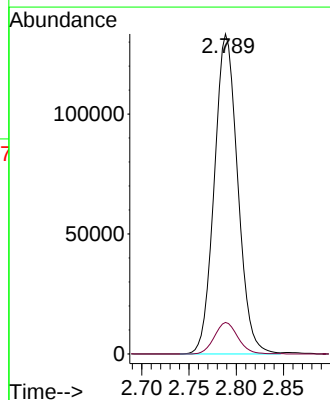
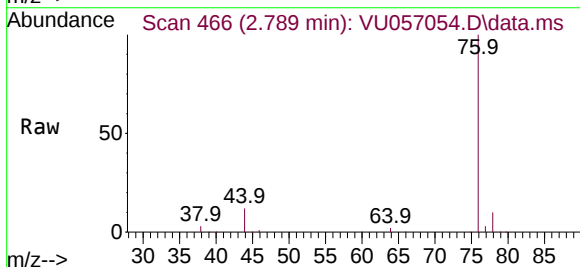
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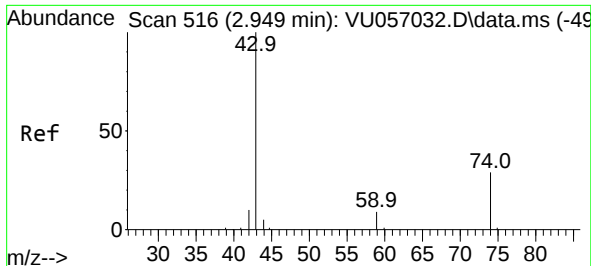
Tgt Ion: 76 Resp: 229505

Ion Ratio Lower Upper

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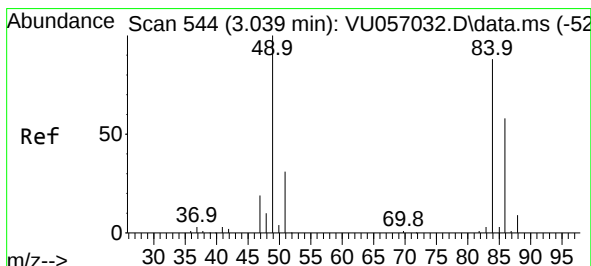
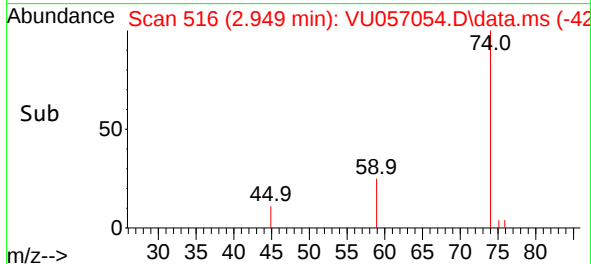
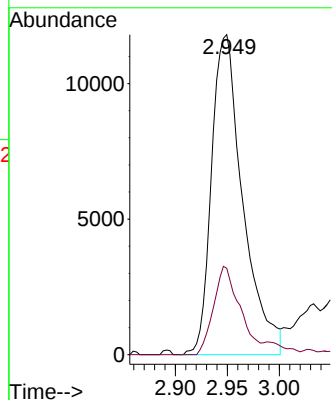
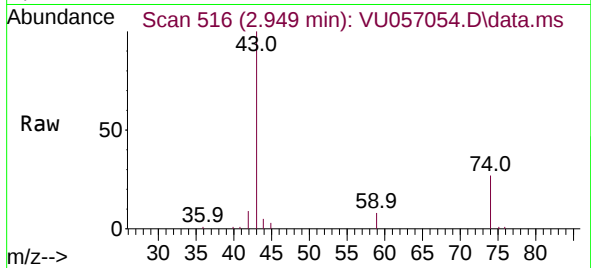




#15
Methyl Acetate
Concen: 4.142 ug/L
RT: 2.949 min Scan# 516
Delta R.T. 0.000 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

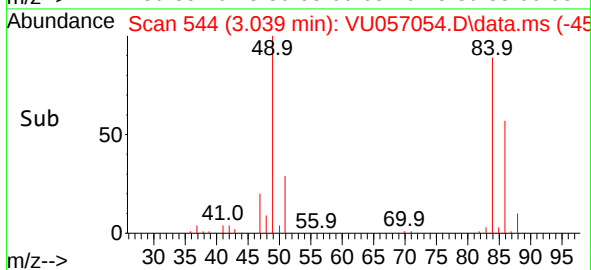
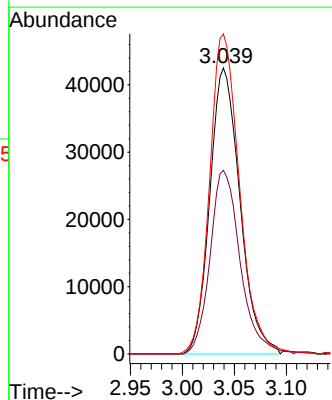
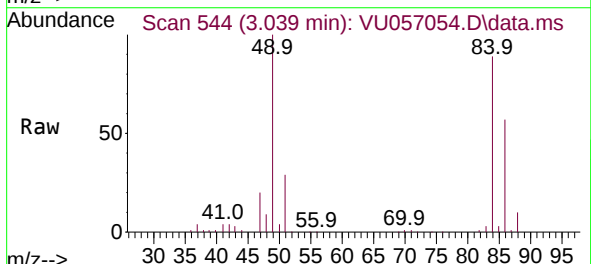
Instrument :
MSVOA_U
ClientSampleId :

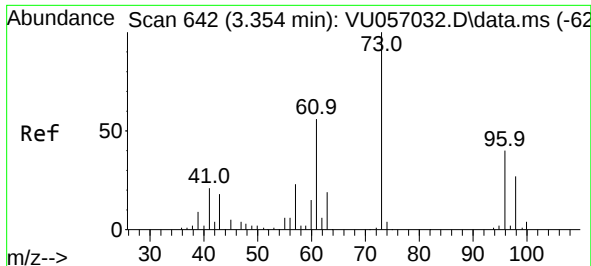
Tgt Ion: 43 Resp: 24697
Ion Ratio Lower Upper
43 100
74 23.5 21.0 31.6



#16
Methylene chloride
Concen: 4.566 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

Tgt Ion: 84 Resp: 85750
Ion Ratio Lower Upper
84 100
86 64.2 43.6 81.0
49 111.8 80.6 149.6





#17

Methyl tert-butyl Ether

Concen: 4.821 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.000 min

Lab File: VU057054.D

Acq: 19 Dec 2023 19:11

Instrument :

MSVOA_U

ClientSampleId :

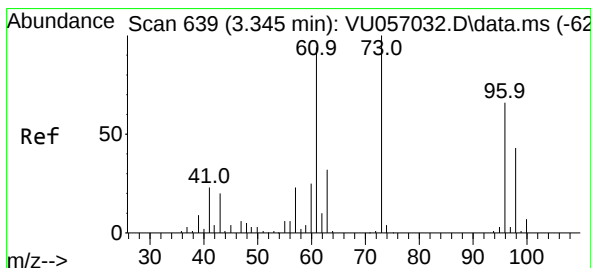
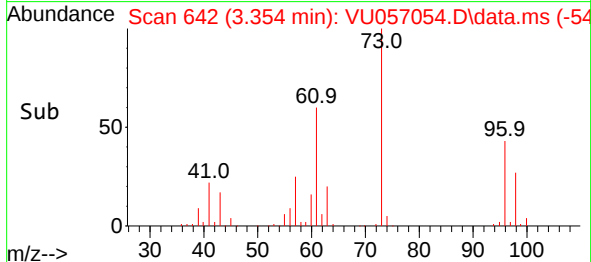
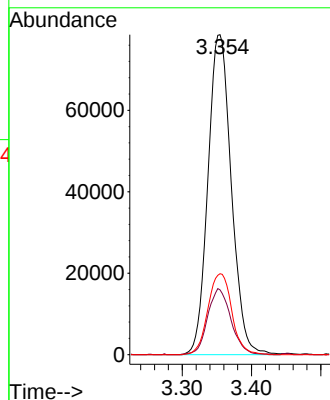
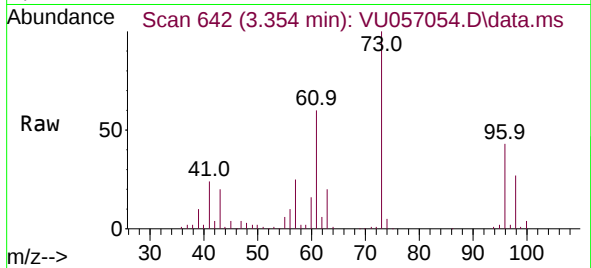
Tgt Ion: 73 Resp: 184275

Ion Ratio Lower Upper

73 100

43 20.6 14.4 21.6

57 25.8 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 4.557 ug/L

RT: 3.345 min Scan# 639

Delta R.T. 0.000 min

Lab File: VU057054.D

Acq: 19 Dec 2023 19:11

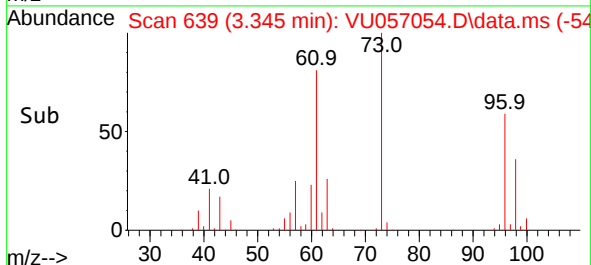
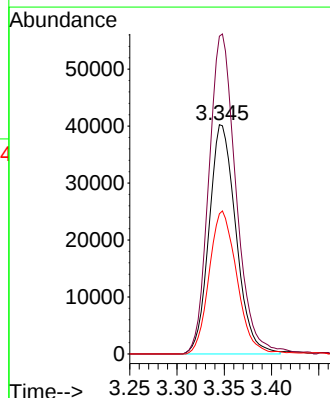
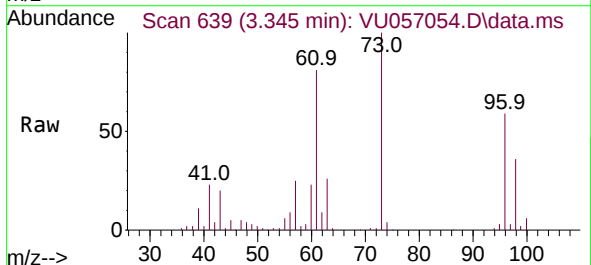
Tgt Ion: 96 Resp: 79634

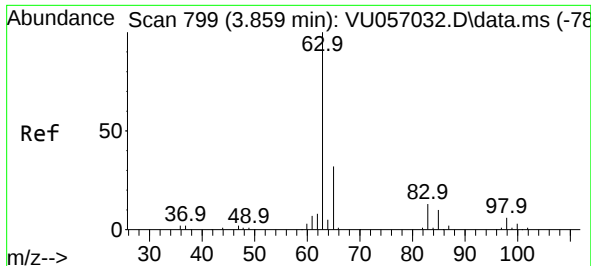
Ion Ratio Lower Upper

96 100

61 138.6 101.8 189.0

98 61.1 43.0 79.8

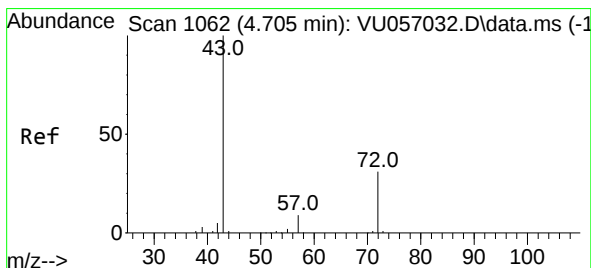
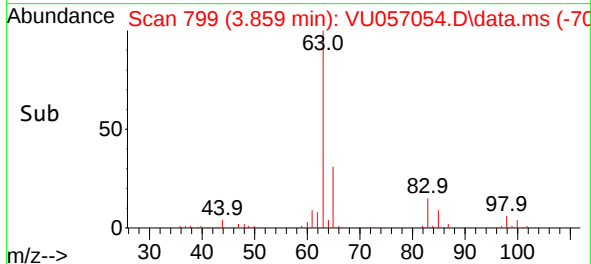
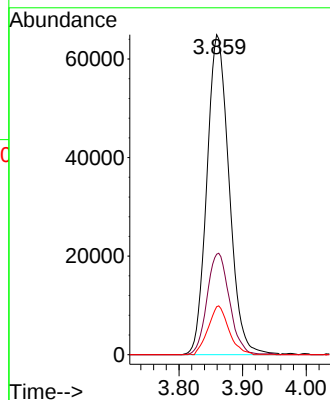
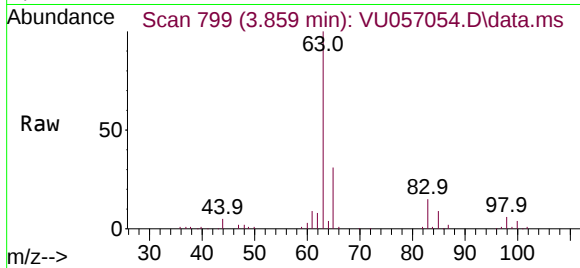




#19
1,1-Dichloroethane
Concen: 4.684 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

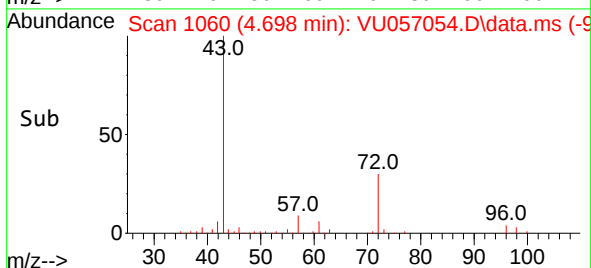
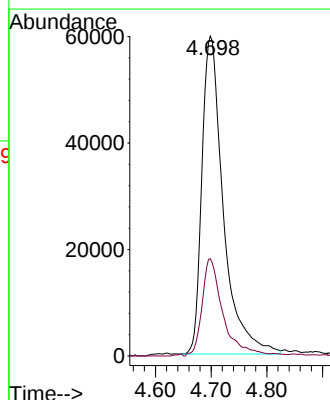
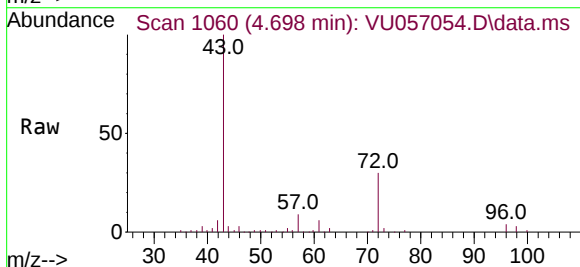
Instrument :
MSVOA_U
ClientSampleId :

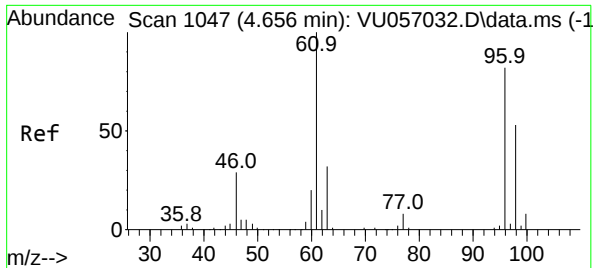
Tgt Ion: 63 Resp: 157480
Ion Ratio Lower Upper
63 100
65 31.4 22.9 42.5
83 15.0 10.1 18.9



#21
2-Butanone
Concen: 43.257 ug/L
RT: 4.698 min Scan# 1060
Delta R.T. -0.006 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

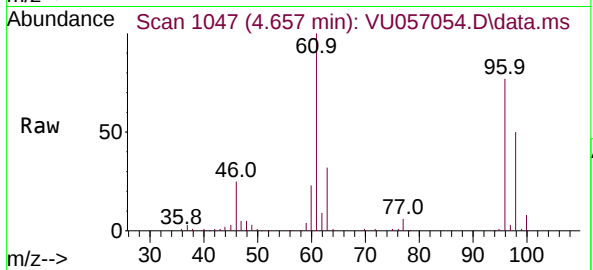
Tgt Ion: 43 Resp: 159773
Ion Ratio Lower Upper
43 100
72 29.7 14.6 43.8



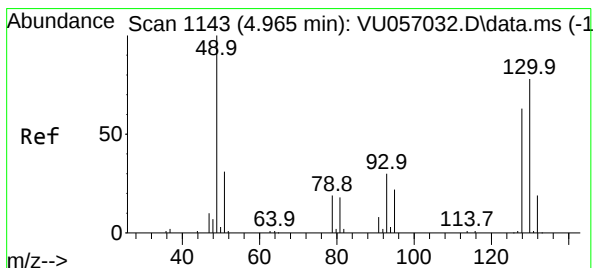
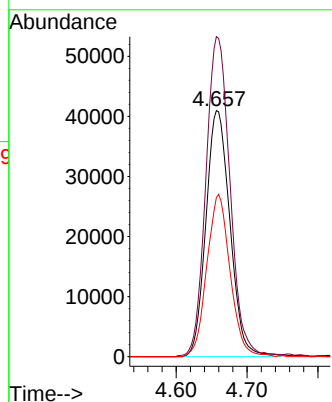
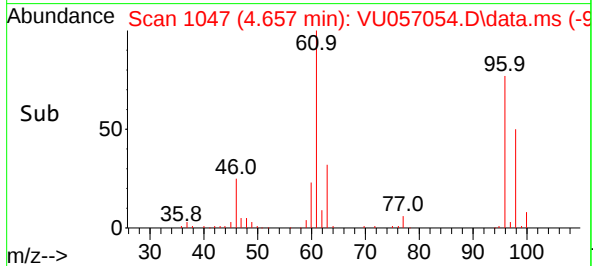


#22
 cis-1,2-Dichloroethene
 Concen: 5.082 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. 0.000 min
 Lab File: VU057054.D
 Acq: 19 Dec 2023 19:11

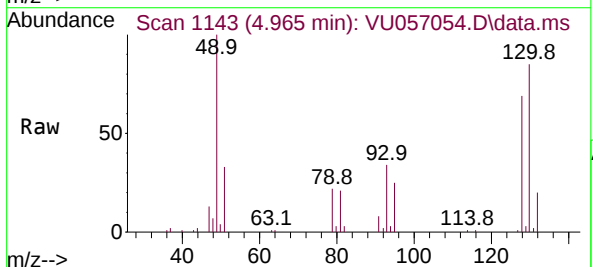
Instrument :
 MSVOA_U
 ClientSampleId :



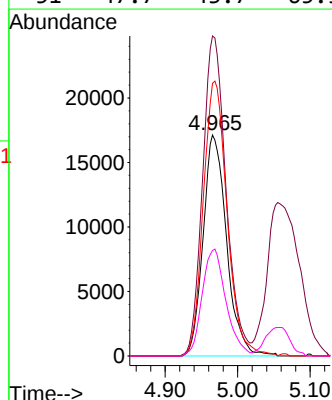
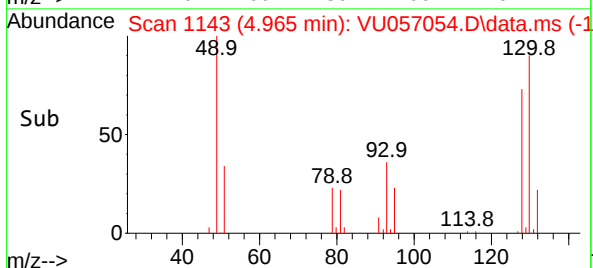
Tgt Ion:	96	Resp:	96619
Ion	Ratio	Lower	Upper
96	100		
61	130.0	91.3	169.6
98	64.6	44.2	82.0

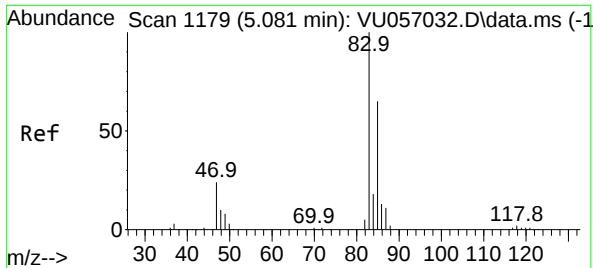


#23
 Bromochloromethane
 Concen: 4.837 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VU057054.D
 Acq: 19 Dec 2023 19:11



Tgt Ion:	128	Resp:	38498
Ion	Ratio	Lower	Upper
128	100		
49	149.9	113.8	211.3
130	123.3	90.6	168.3
51	47.7	43.7	65.5

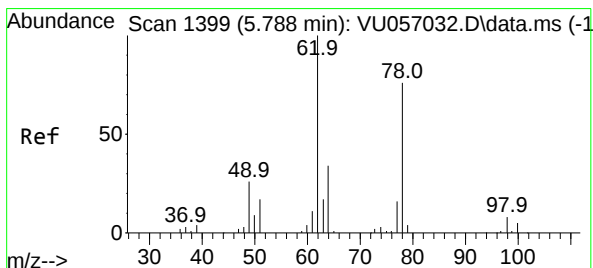
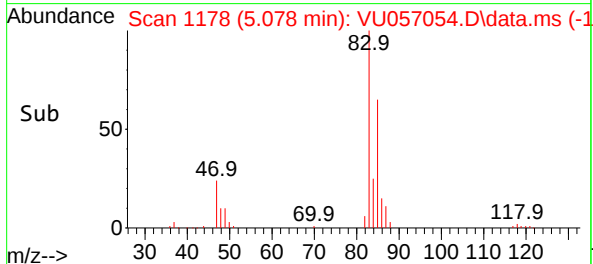
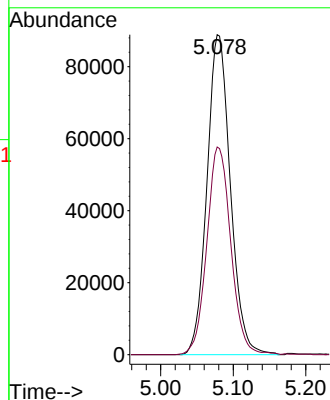
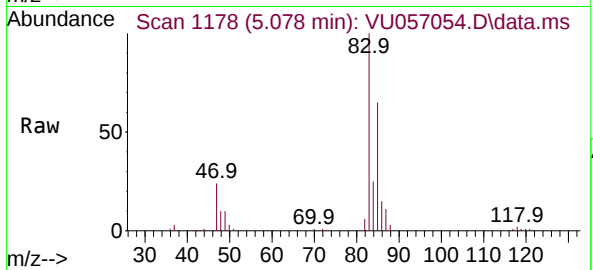




#25
Chloroform
Concen: 5.667 ug/L
RT: 5.078 min Scan# 1179
Delta R.T. -0.003 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

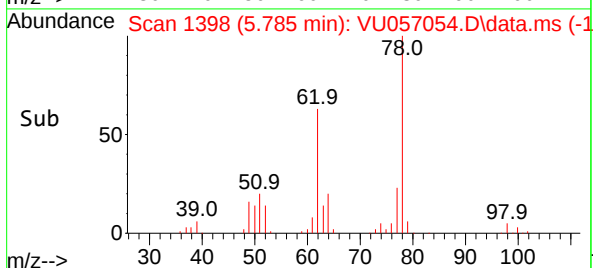
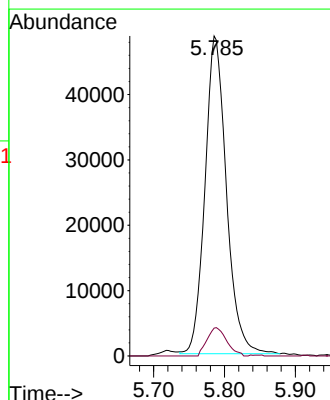
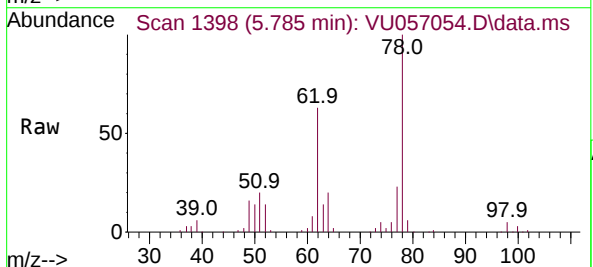
Instrument :
MSVOA_U
ClientSampleId :

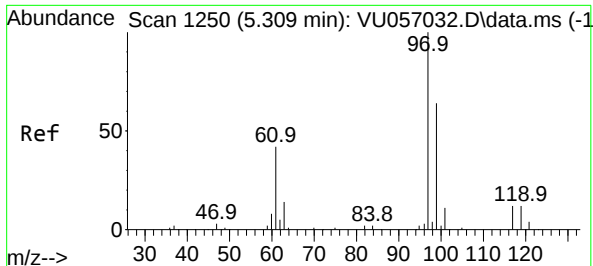
Tgt Ion: 83 Resp: 199586
Ion Ratio Lower Upper
83 100
85 64.9 45.8 85.0



#27
1,2-Dichloroethane
Concen: 4.898 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. -0.003 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

Tgt Ion: 62 Resp: 102016
Ion Ratio Lower Upper
62 100
98 8.7 7.8 11.6

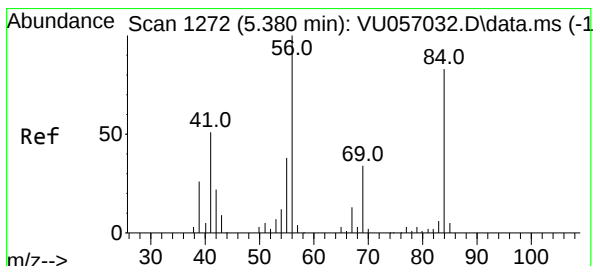
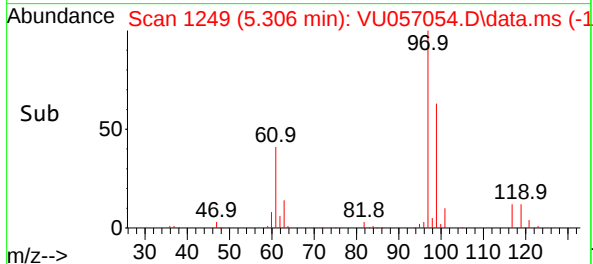
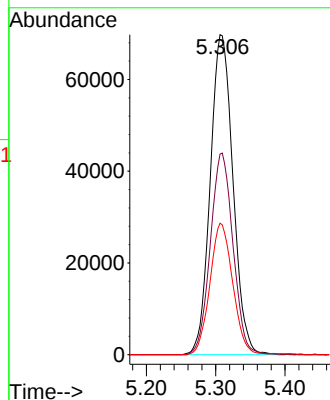
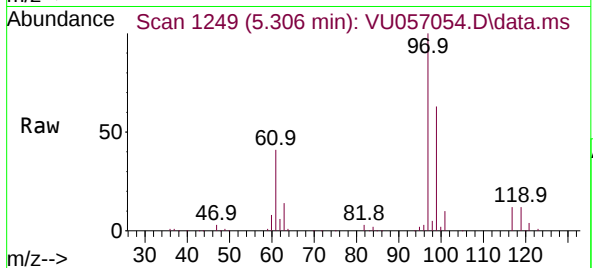




#29
1,1,1-Trichloroethane
Concen: 5.327 ug/L
RT: 5.306 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

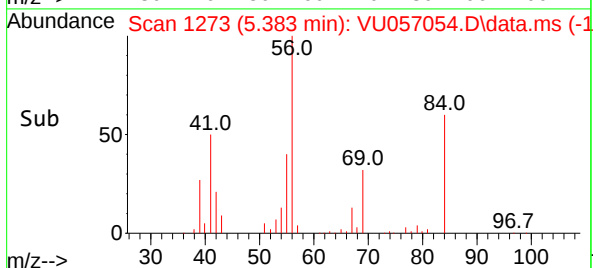
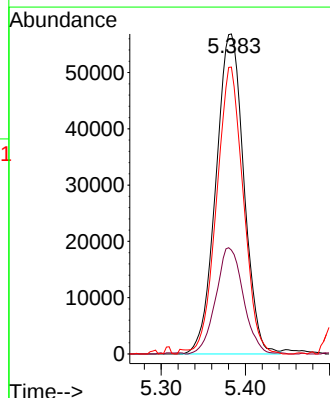
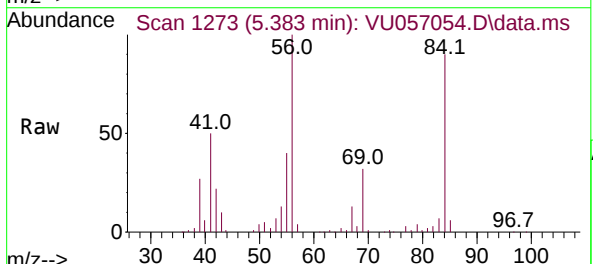
Instrument :
MSVOA_U
ClientSampleId :

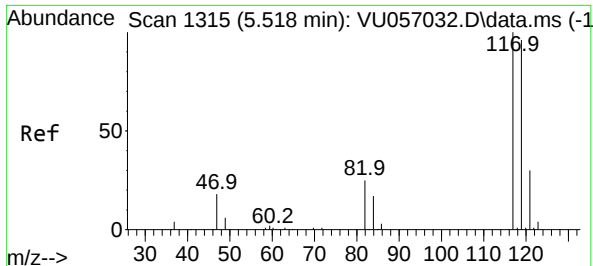
Tgt Ion: 97 Resp: 158769
Ion Ratio Lower Upper
97 100
99 62.9 52.5 78.7
61 41.2 34.2 51.2



#30
Cyclohexane
Concen: 4.677 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.004 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

Tgt Ion: 56 Resp: 130822
Ion Ratio Lower Upper
56 100
69 32.7 24.9 37.3
84 85.4 67.6 101.4

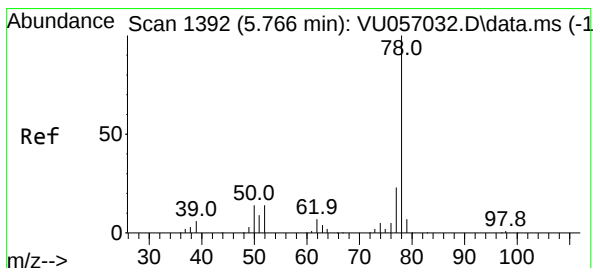
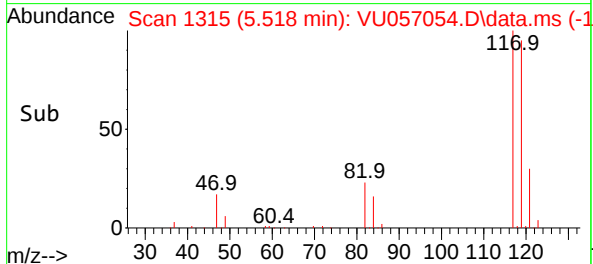
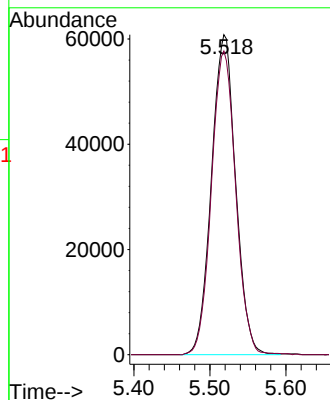
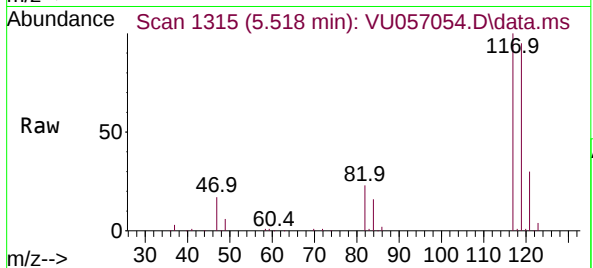




#31
Carbon tetrachloride
Concen: 5.193 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

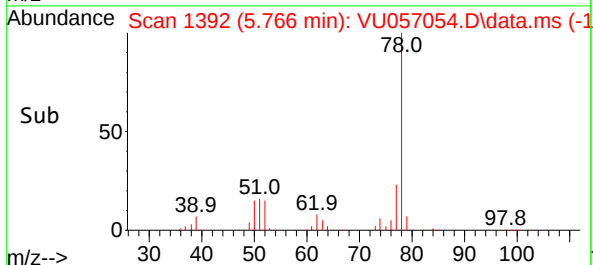
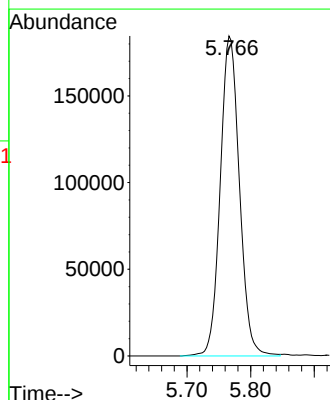
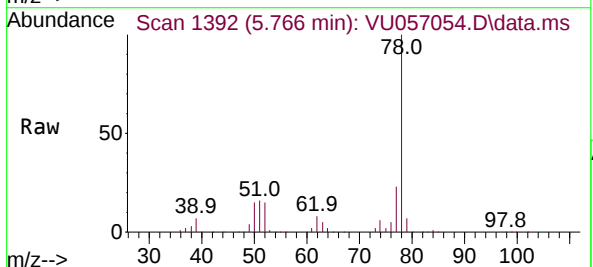
Instrument :
MSVOA_U
ClientSampleId :

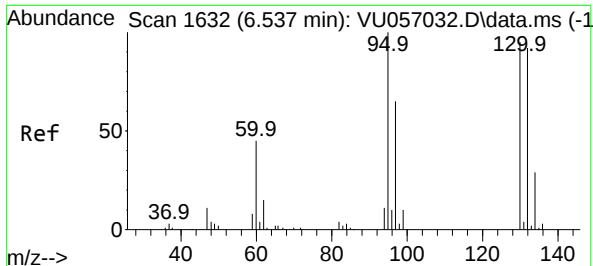
Tgt Ion:117 Resp: 134511
Ion Ratio Lower Upper
117 100
119 94.9 76.2 114.4



#33
Benzene
Concen: 5.332 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

Tgt Ion: 78 Resp: 386350

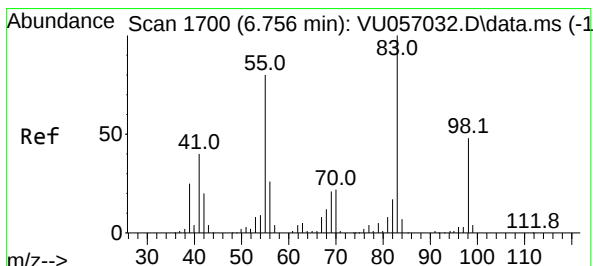
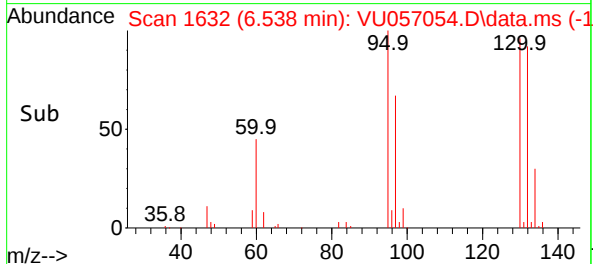
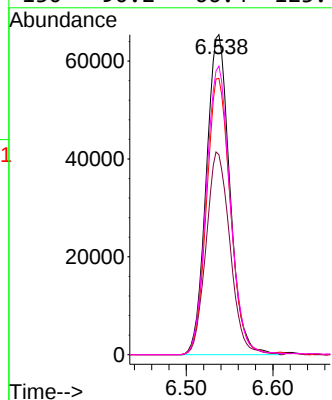
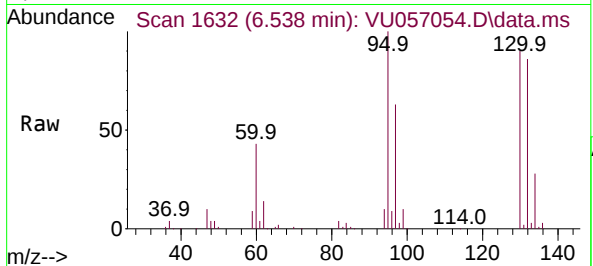




#34
Trichloroethene
Concen: 6.206 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

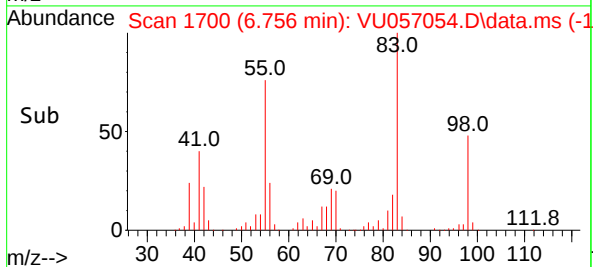
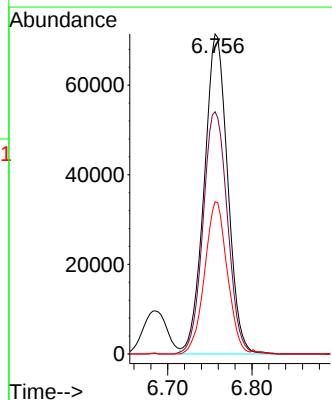
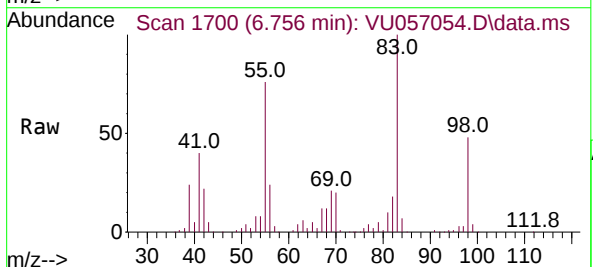
Instrument :
MSVOA_U
ClientSampleId :

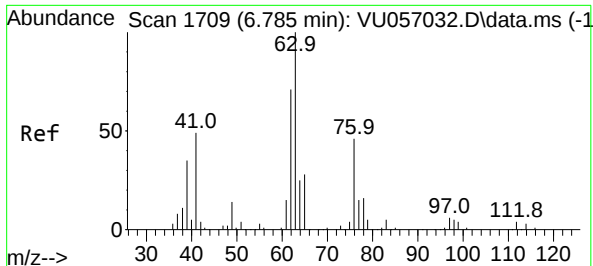
Tgt Ion: 95 Resp: 123350
Ion Ratio Lower Upper
95 100
97 62.5 46.1 85.5
132 86.4 63.6 118.0
130 90.2 66.4 123.4



#35
Methylcyclohexane
Concen: 4.722 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

Tgt Ion: 83 Resp: 138513
Ion Ratio Lower Upper
83 100
55 78.8 64.6 97.0
98 45.9 36.1 54.1

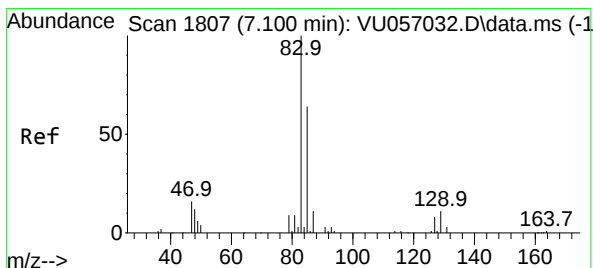
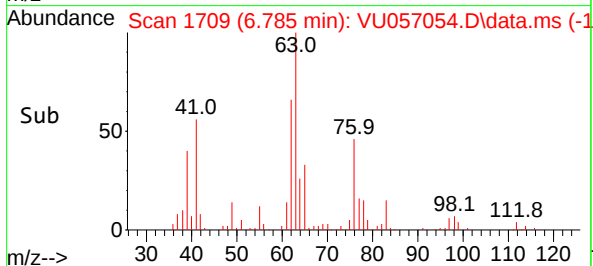
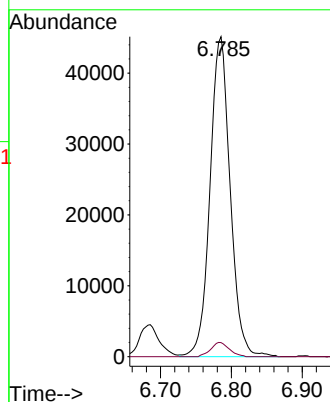
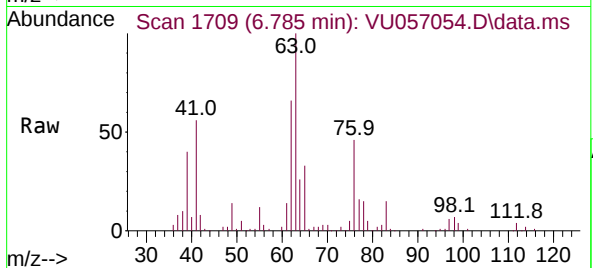




#37
1,2-Dichloropropane
Concen: 4.813 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

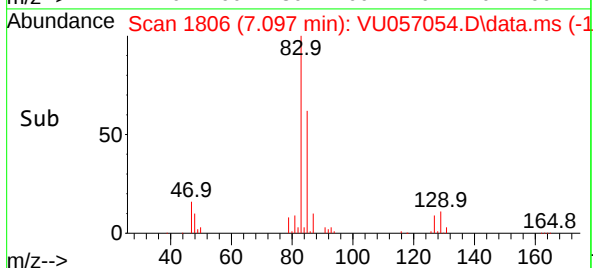
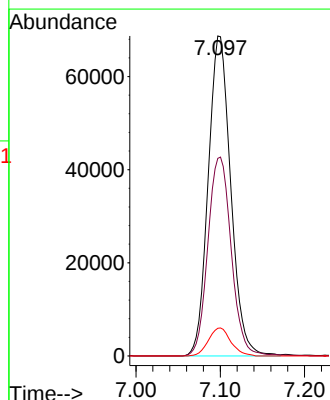
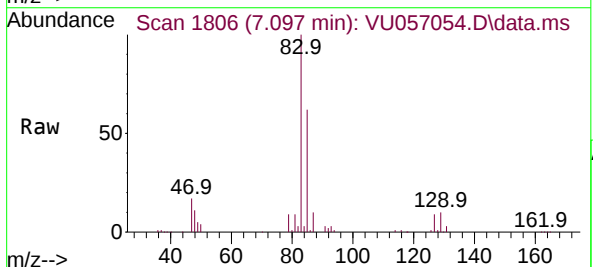
Instrument :
MSVOA_U
ClientSampleId :

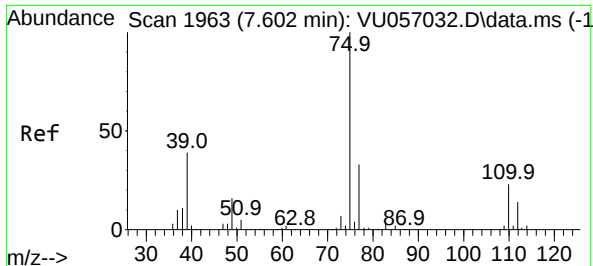
Tgt Ion: 63 Resp: 89211
Ion Ratio Lower Upper
63 100
112 4.1 3.3 4.9



#38
Bromodichloromethane
Concen: 5.407 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

Tgt Ion: 83 Resp: 127809
Ion Ratio Lower Upper
83 100
85 61.8 45.0 83.6
127 8.7 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.721 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU057054.D

Acq: 19 Dec 2023 19:11

Instrument :

MSVOA_U

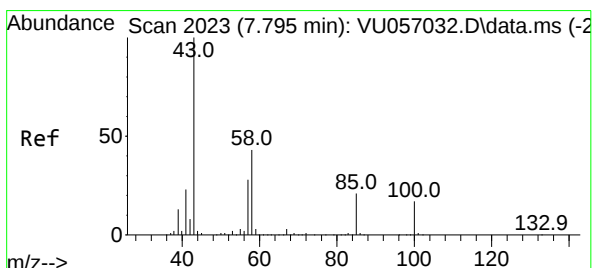
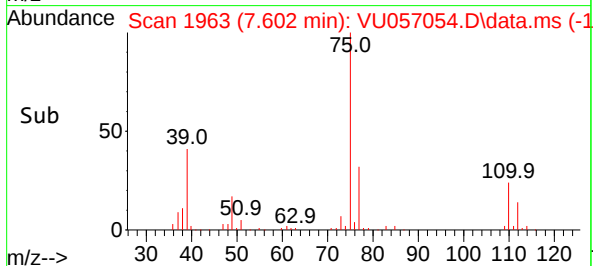
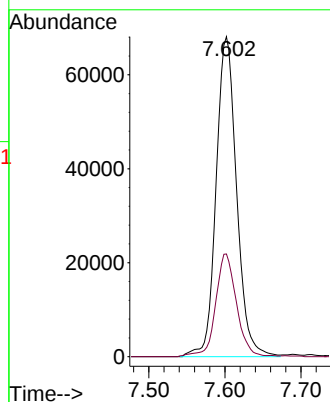
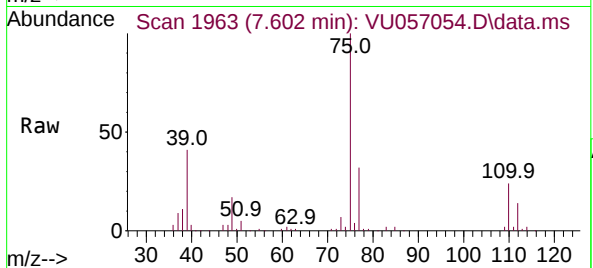
ClientSampleId :

Tgt Ion: 75 Resp: 127528

Ion Ratio Lower Upper

75 100

77 32.1 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 46.820 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.009 min

Lab File: VU057054.D

Acq: 19 Dec 2023 19:11

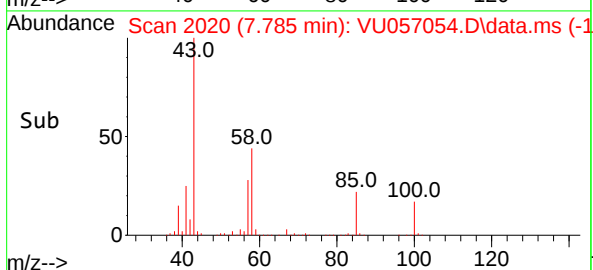
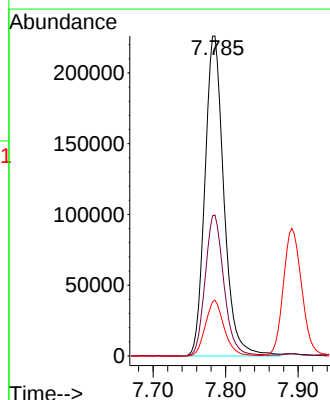
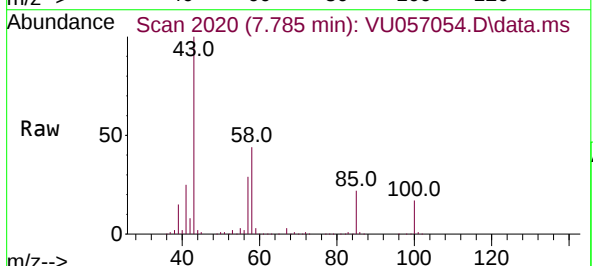
Tgt Ion: 43 Resp: 412075

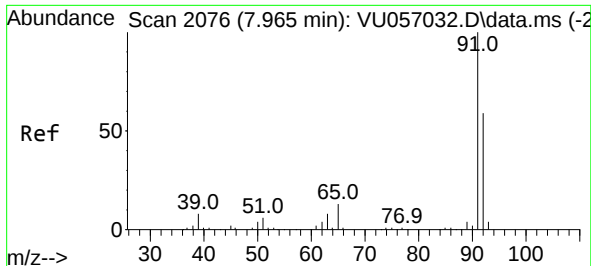
Ion Ratio Lower Upper

43 100

58 43.7 33.7 50.5

100 17.2 13.0 19.4





#42

Toluene

Concen: 6.349 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU057054.D

Acq: 19 Dec 2023 19:11

Instrument :

MSVOA_U

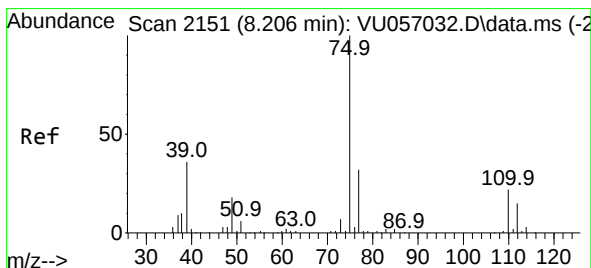
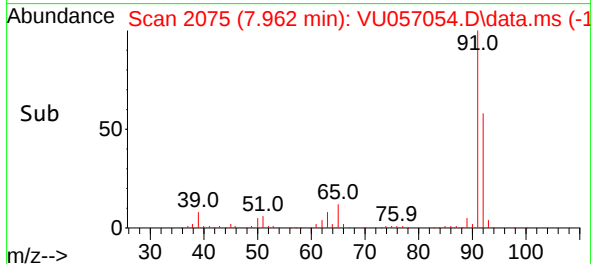
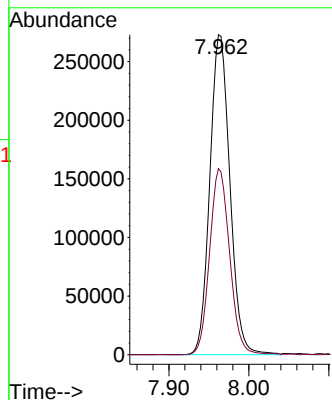
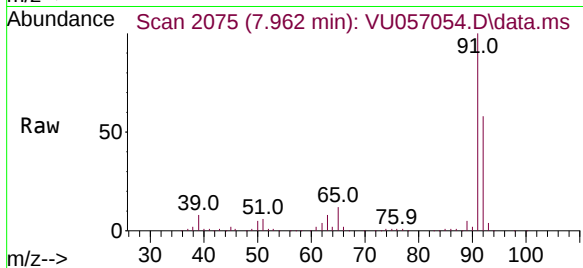
ClientSampleId :

Tgt Ion: 91 Resp: 475959

Ion Ratio Lower Upper

91 100

92 58.2 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.894 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU057054.D

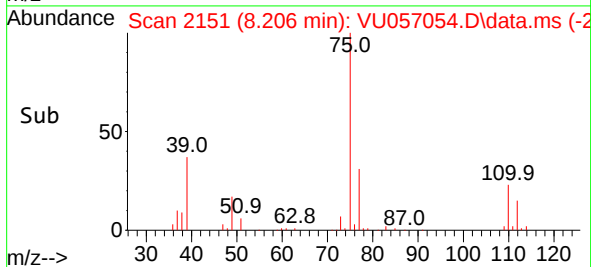
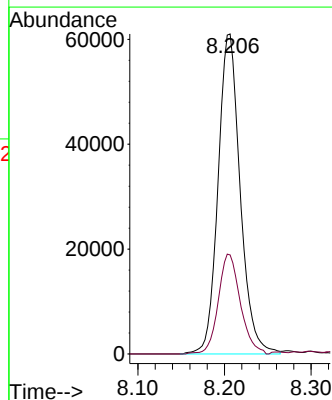
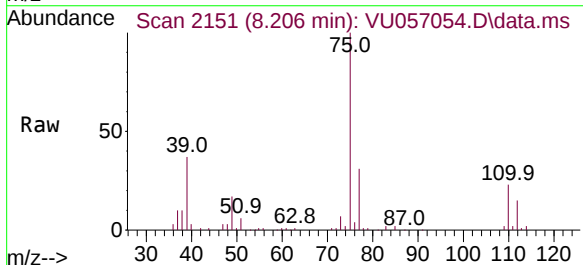
Acq: 19 Dec 2023 19:11

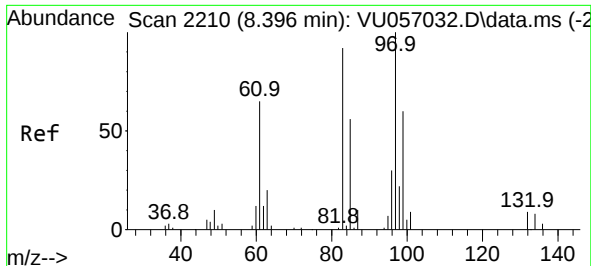
Tgt Ion: 75 Resp: 108366

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.4



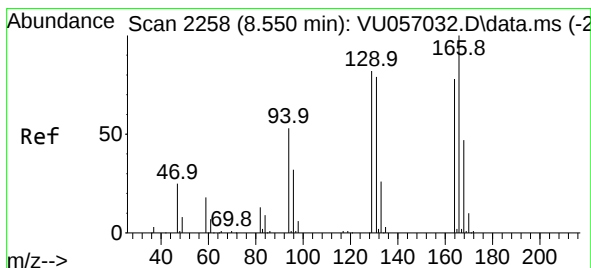
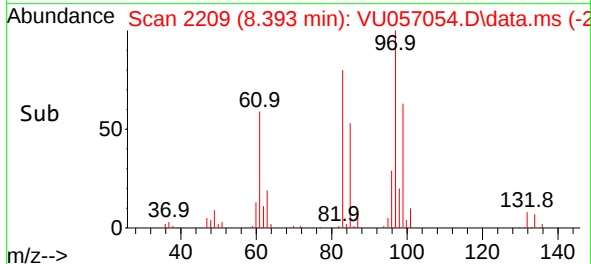
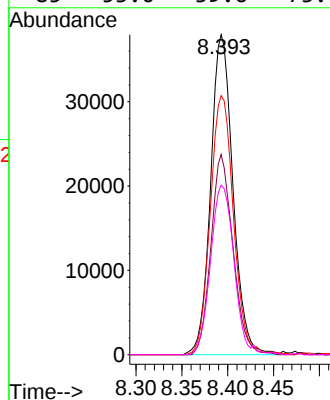
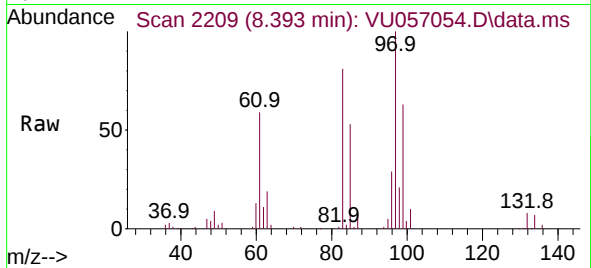


#45
1,1,2-Trichloroethane
Concen: 5.125 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 64223

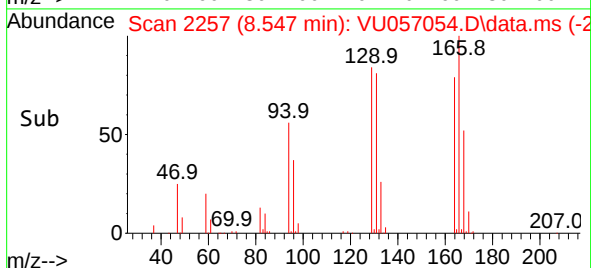
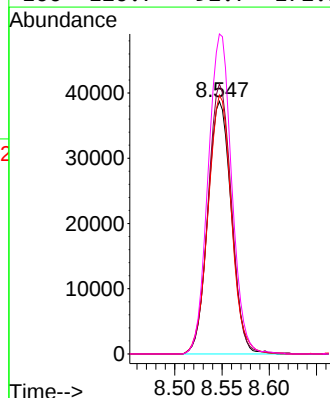
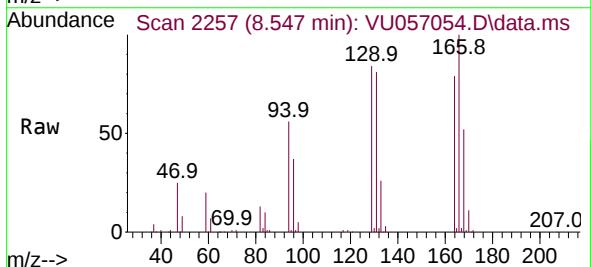
Ion	Ratio	Lower	Upper
97	100		
99	62.5	41.9	77.9
83	80.9	59.1	109.7
85	53.0	39.6	73.6

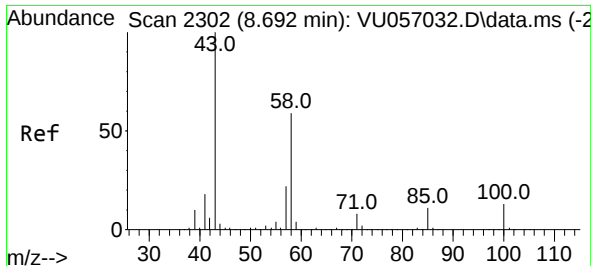


#47
Tetrachloroethene
Concen: 4.835 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

Tgt Ion: 164 Resp: 67251

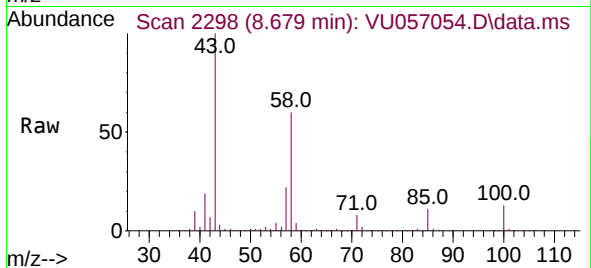
Ion	Ratio	Lower	Upper
164	100		
129	106.9	73.4	136.4
131	102.5	71.5	132.9
166	126.7	92.7	172.1



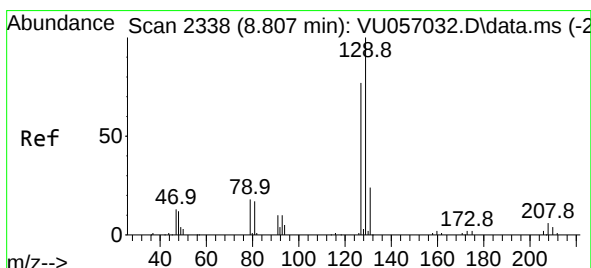
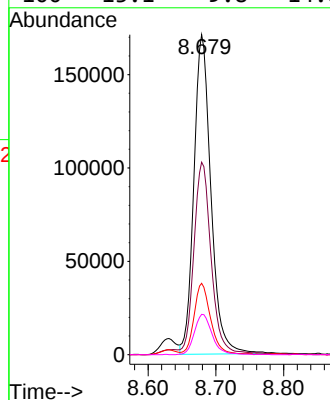
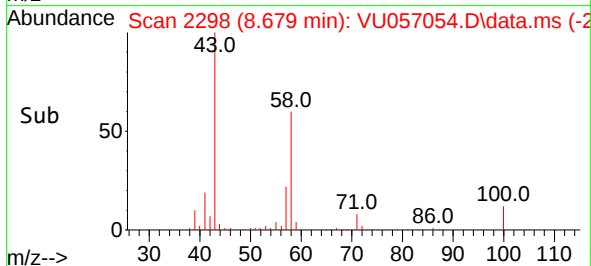


#48
2-Hexanone
Concen: 47.773 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.013 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

Instrument :
MSVOA_U
ClientSampleId :

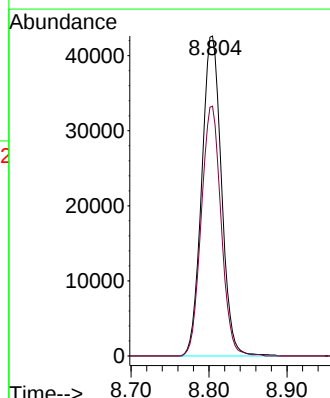
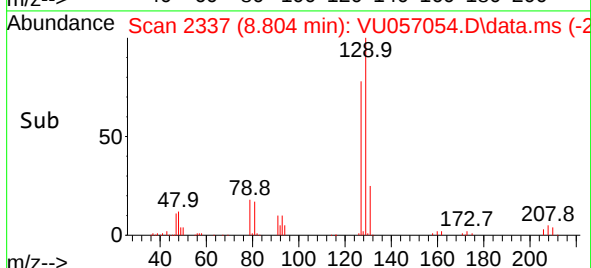
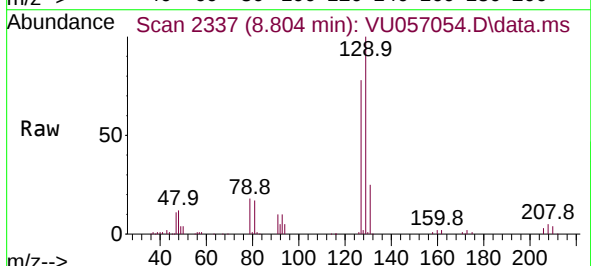


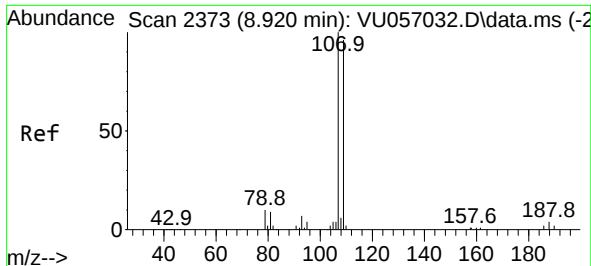
Tgt Ion: 43 Resp: 299460
Ion Ratio Lower Upper
43 100
58 60.5 47.5 71.3
57 21.0 17.0 25.4
100 13.1 9.8 14.8



#49
Dibromochloromethane
Concen: 5.201 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

Tgt Ion:129 Resp: 74917
Ion Ratio Lower Upper
129 100
127 78.1 53.9 100.1





#50

1,2-Dibromoethane

Concen: 4.838 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU057054.D

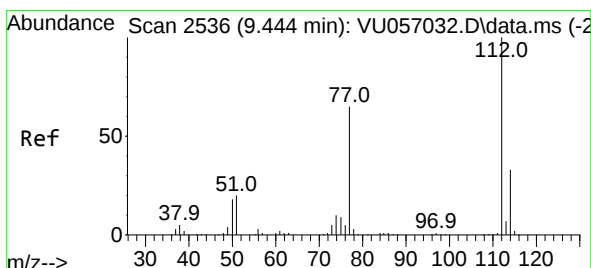
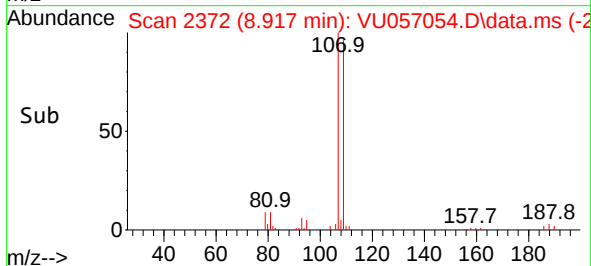
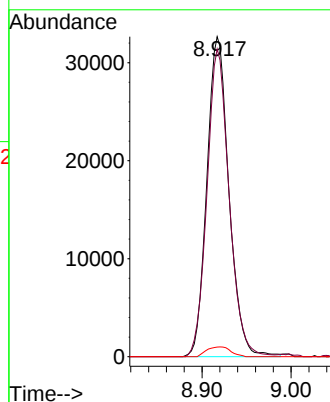
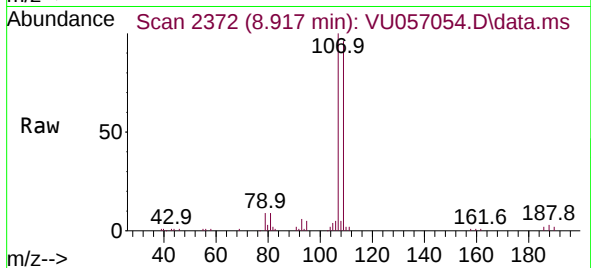
Acq: 19 Dec 2023 19:11

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:107	Resp:	56261
Ion Ratio	Lower	Upper
107	100	
109	96.2	66.5 123.5
188	3.0	2.9 4.3



#51

Chlorobenzene

Concen: 4.840 ug/L

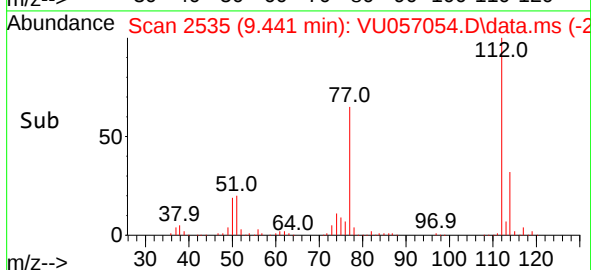
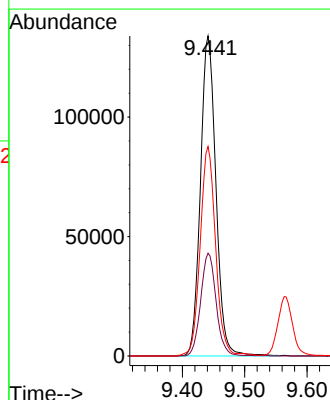
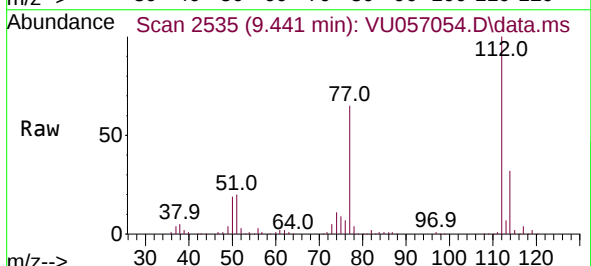
RT: 9.441 min Scan# 2535

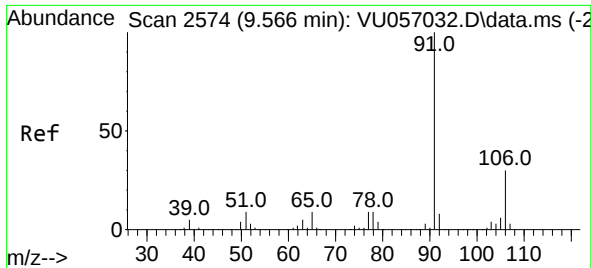
Delta R.T. -0.003 min

Lab File: VU057054.D

Acq: 19 Dec 2023 19:11

Tgt Ion:112	Resp:	231288
Ion Ratio	Lower	Upper
112	100	
114	32.1	21.9 40.7
77	65.5	51.6 77.4

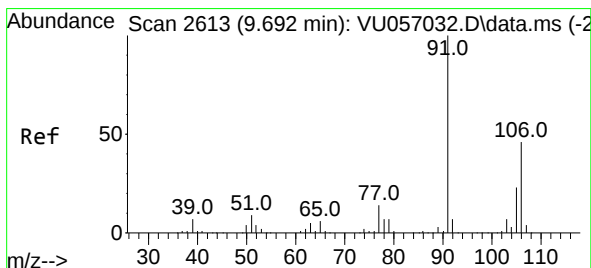
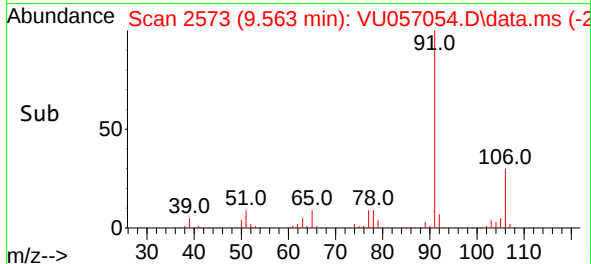
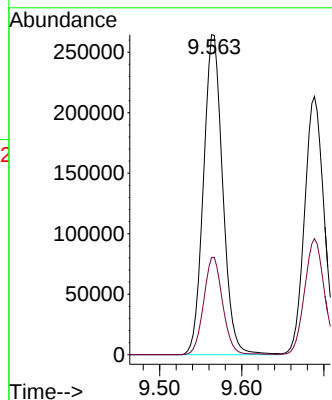
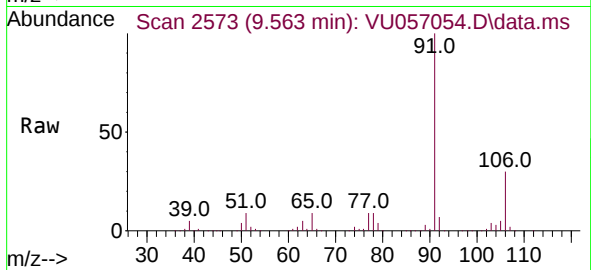




#52
Ethylbenzene
Concen: 5.201 ug/L
RT: 9.563 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

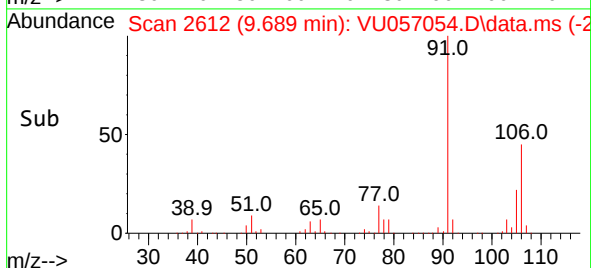
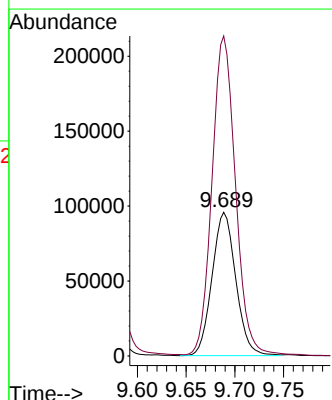
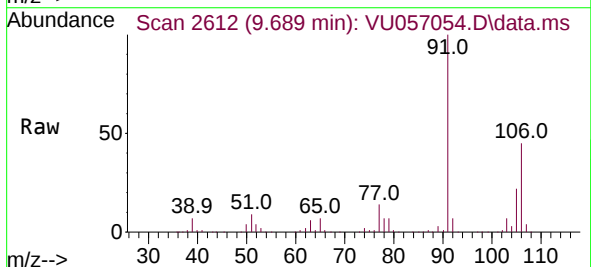
Instrument :
MSVOA_U
ClientSampleId :

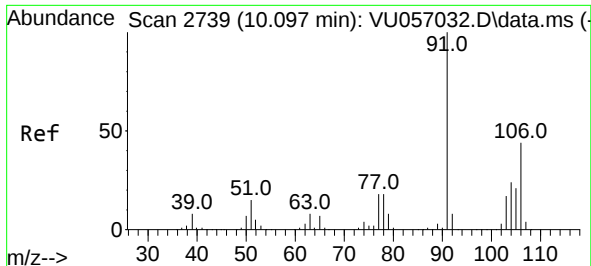
Tgt Ion: 91 Resp: 430124
Ion Ratio Lower Upper
91 100
106 30.4 20.6 38.4



#53
m,p-Xylene
Concen: 5.262 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

Tgt Ion:106 Resp: 162123
Ion Ratio Lower Upper
106 100
91 222.7 154.0 286.0

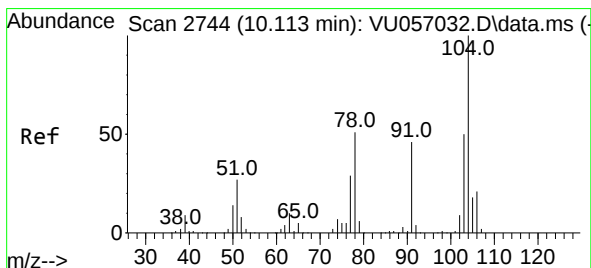
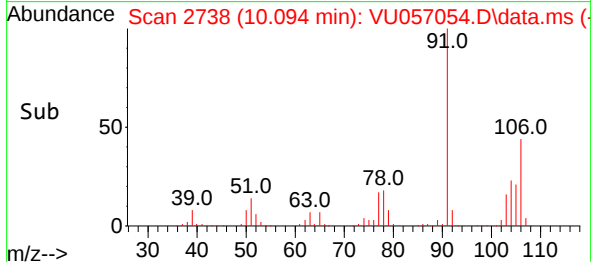
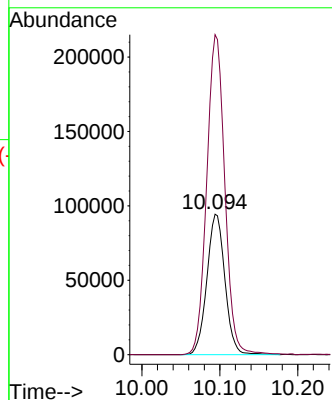
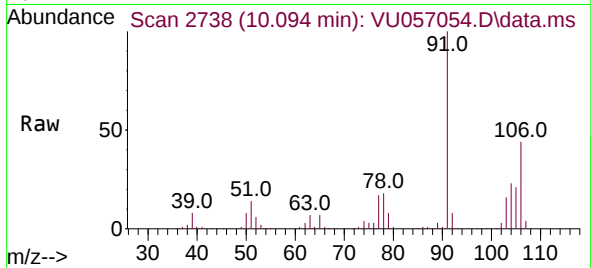




#54
o-Xylene
Concen: 5.176 ug/L
RT: 10.094 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

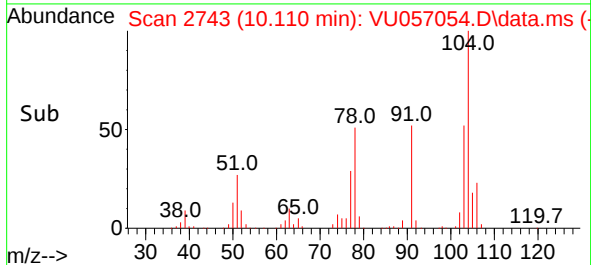
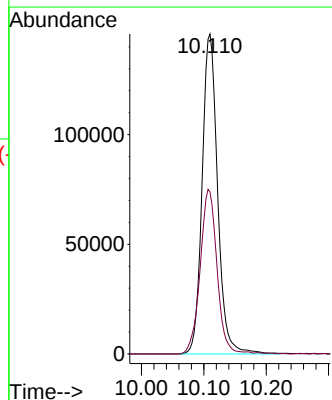
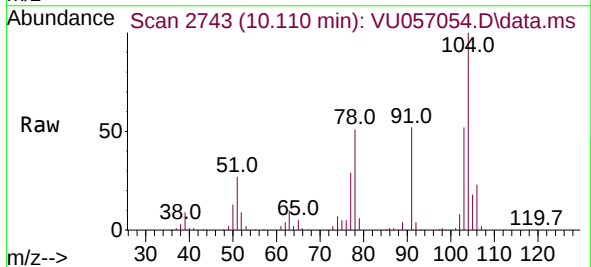
Instrument :
MSVOA_U
ClientSampleId :

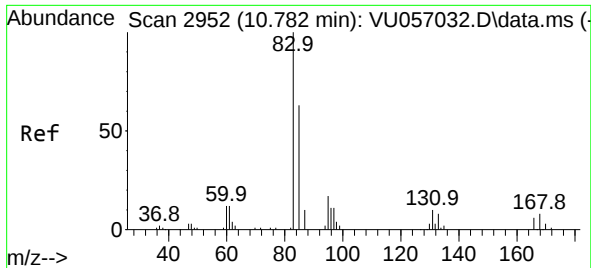
Tgt Ion:106 Resp: 151943
Ion Ratio Lower Upper
106 100
91 227.7 160.2 297.6



#55
Styrene
Concen: 5.240 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

Tgt Ion:104 Resp: 252605
Ion Ratio Lower Upper
104 100
78 50.7 35.6 66.2

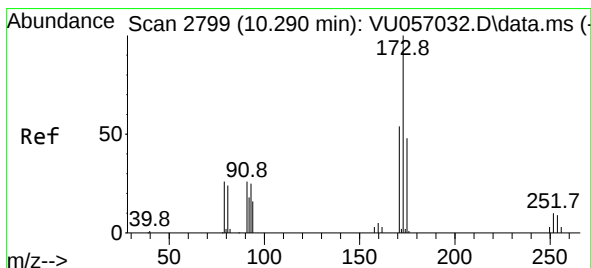
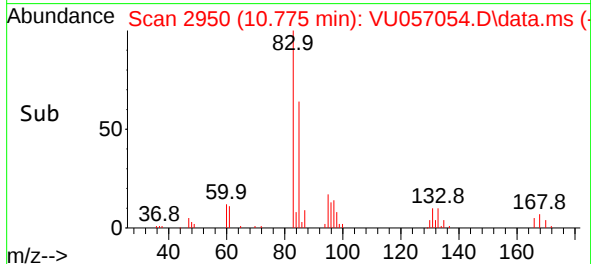
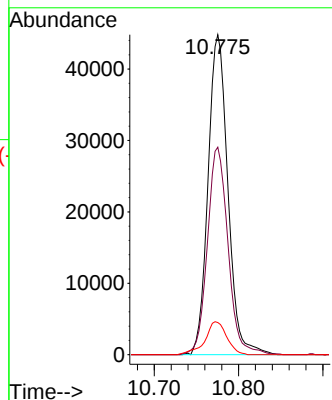
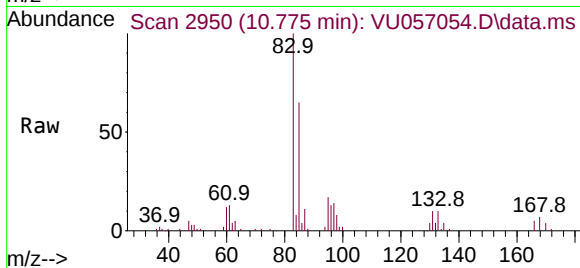




#57
1,1,2,2-Tetrachloroethane
Concen: 4.850 ug/L
RT: 10.775 min Scan# 2952
Delta R.T. -0.006 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

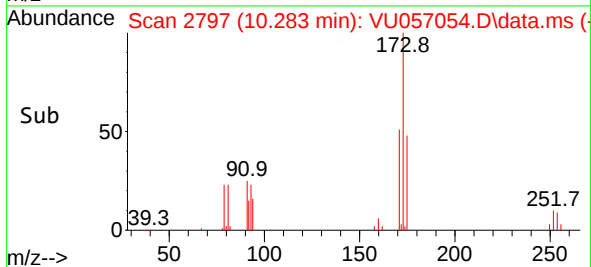
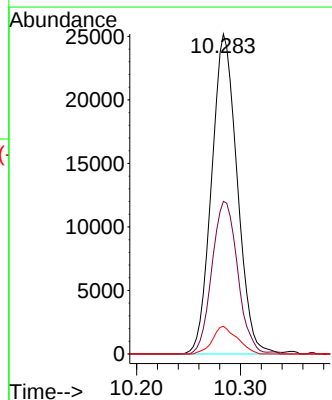
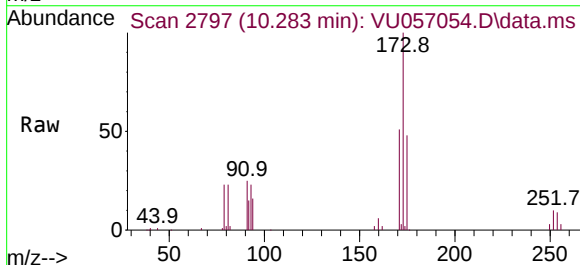
Instrument :
MSVOA_U
ClientSampleId :

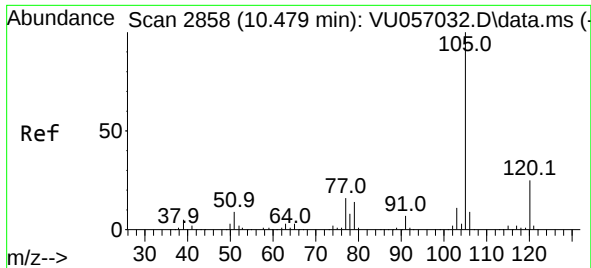
Tgt Ion: 83 Resp: 73424
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4
131 10.1 6.6 9.8#



#59
Bromoform
Concen: 5.009 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. -0.006 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

Tgt Ion:173 Resp: 43029
Ion Ratio Lower Upper
173 100
175 47.9 38.2 57.2
254 8.3 7.0 10.4

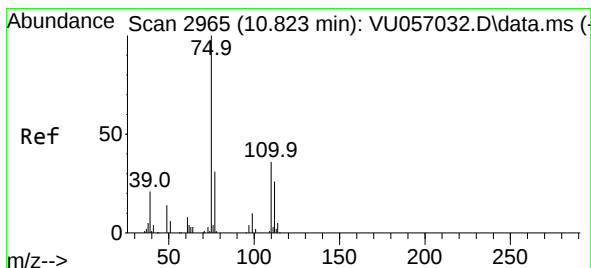
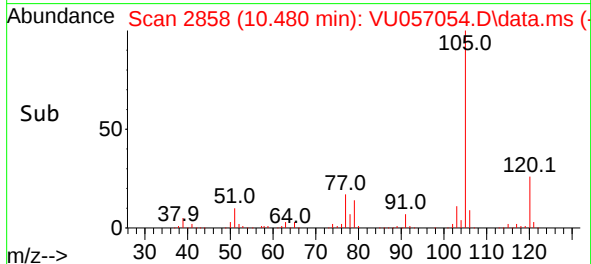
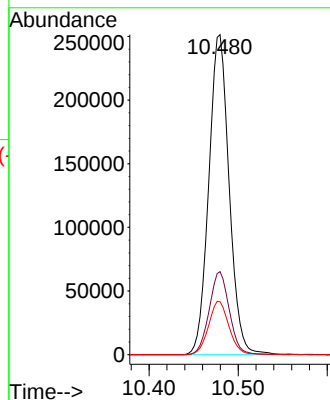
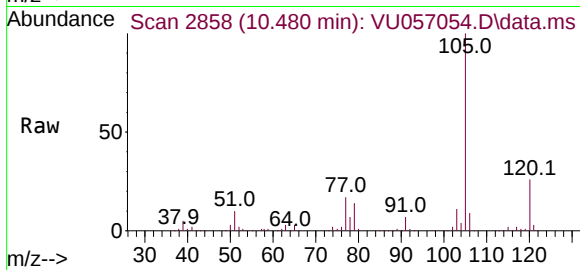




#60
Isopropylbenzene
Concen: 4.793 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

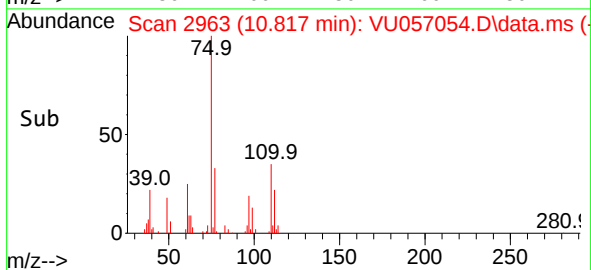
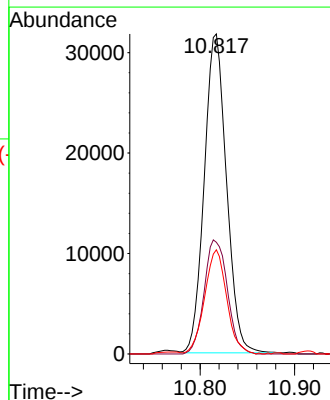
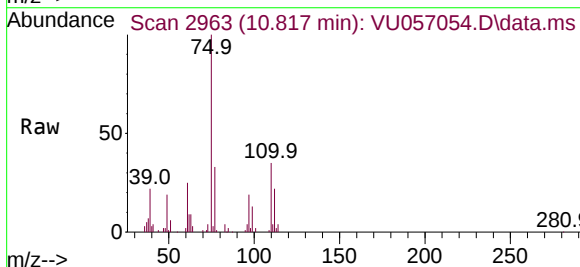
Instrument :
MSVOA_U
ClientSampleId :

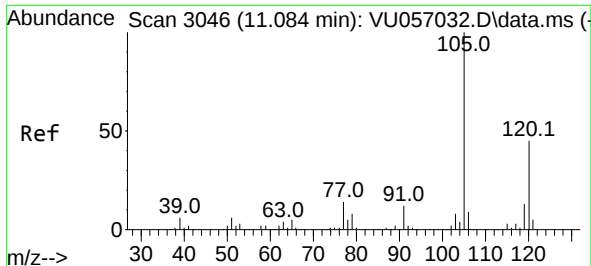
Tgt Ion:105 Resp: 398453
Ion Ratio Lower Upper
105 100
120 25.6 20.1 30.1
77 16.8 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.599 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.006 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

Tgt Ion: 75 Resp: 51951
Ion Ratio Lower Upper
75 100
110 37.3 28.4 42.6
77 32.6 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 4.751 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU057054.D

Acq: 19 Dec 2023 19:11

Instrument :

MSVOA_U

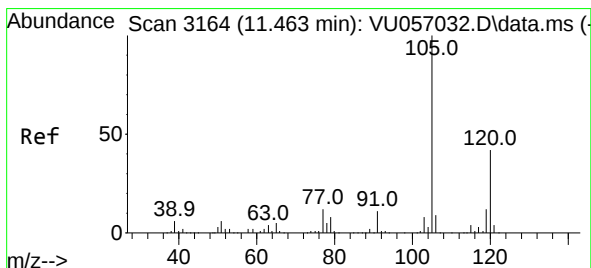
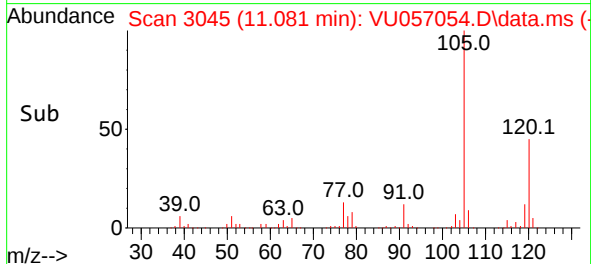
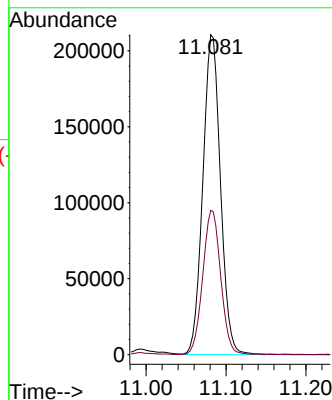
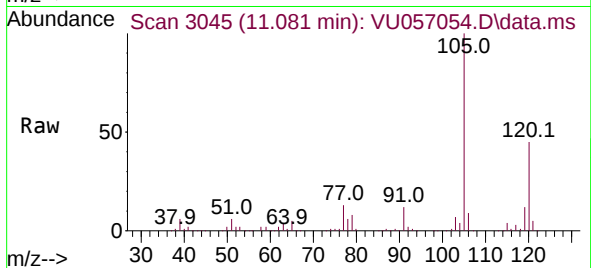
ClientSampleId :

Tgt Ion:105 Resp: 322789

Ion Ratio Lower Upper

105 100

120 46.1 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 4.935 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.003 min

Lab File: VU057054.D

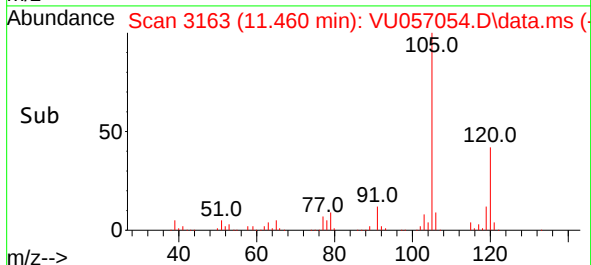
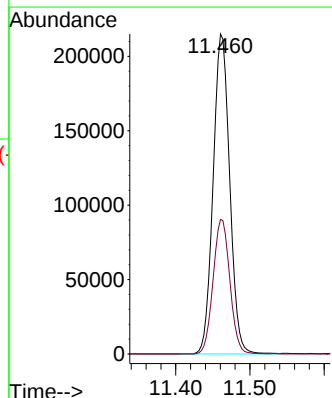
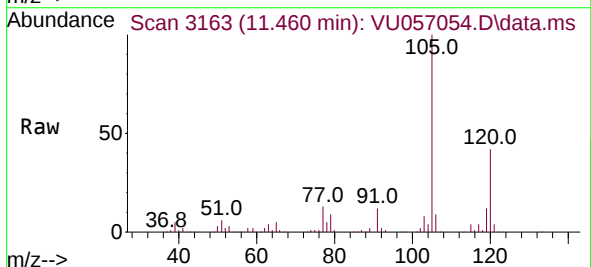
Acq: 19 Dec 2023 19:11

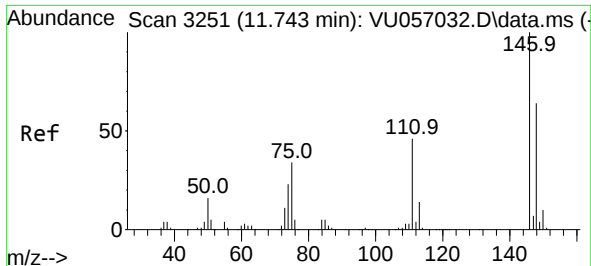
Tgt Ion:105 Resp: 333021

Ion Ratio Lower Upper

105 100

120 42.5 34.2 51.4

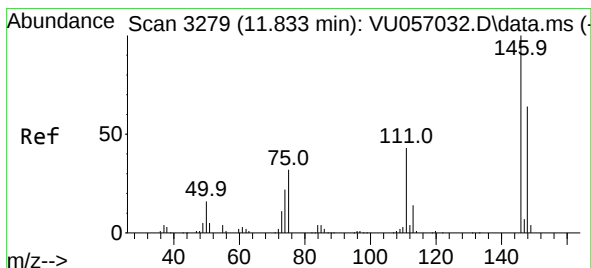
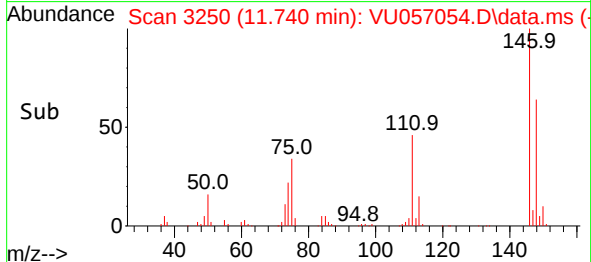
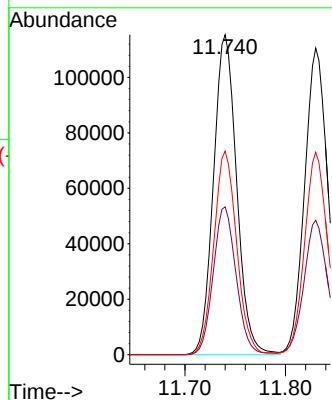
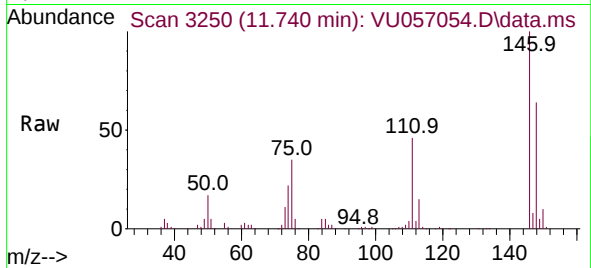




#64
1,3-Dichlorobenzene
Concen: 4.708 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

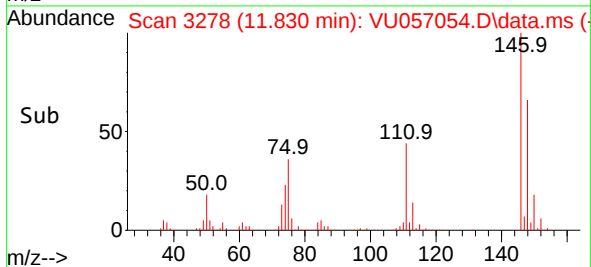
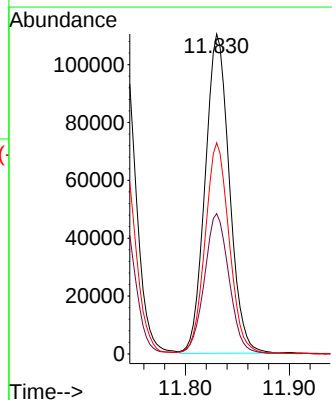
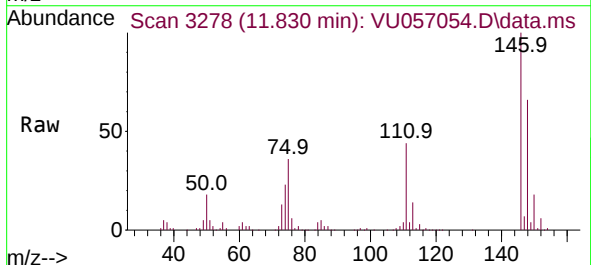
Instrument :
MSVOA_U
ClientSampleId :

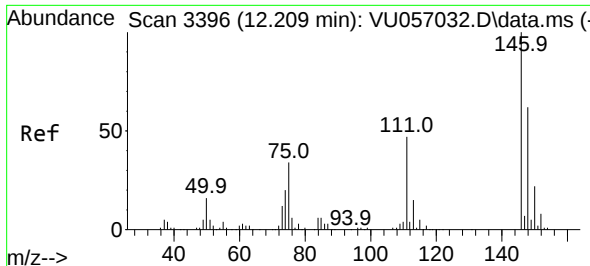
Tgt Ion:146 Resp: 185119
Ion Ratio Lower Upper
146 100
111 46.2 31.7 58.9
148 63.6 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.615 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

Tgt Ion:146 Resp: 178679
Ion Ratio Lower Upper
146 100
111 43.8 31.2 58.0
148 66.0 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 4.678 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU057054.D

Acq: 19 Dec 2023 19:11

Instrument :

MSVOA_U

ClientSampleId :

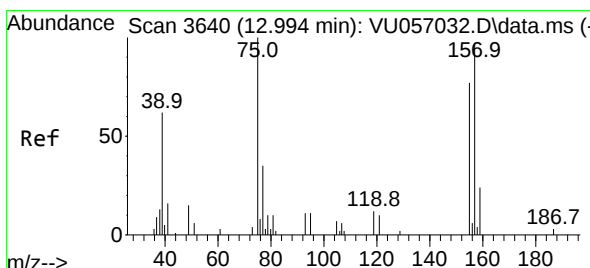
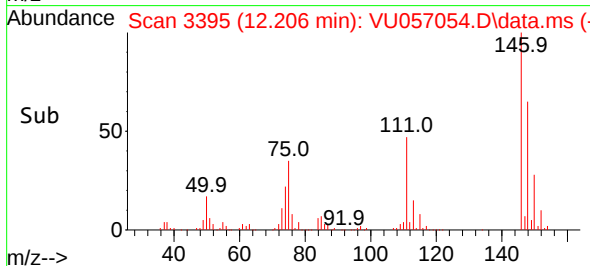
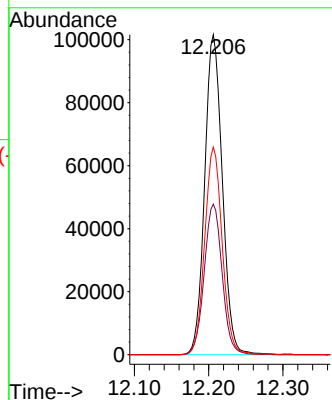
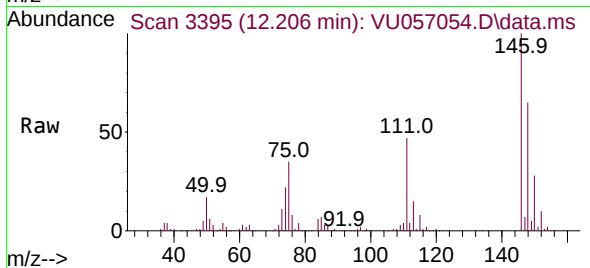
Tgt Ion:146 Resp: 167589

Ion Ratio Lower Upper

146 100

111 47.1 36.9 55.3

148 64.8 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.995 ug/L

RT: 12.988 min Scan# 3638

Delta R.T. -0.006 min

Lab File: VU057054.D

Acq: 19 Dec 2023 19:11

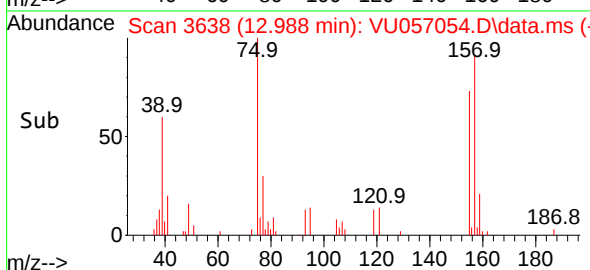
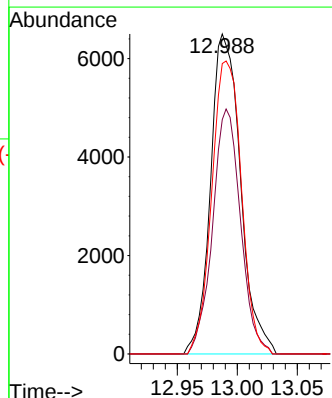
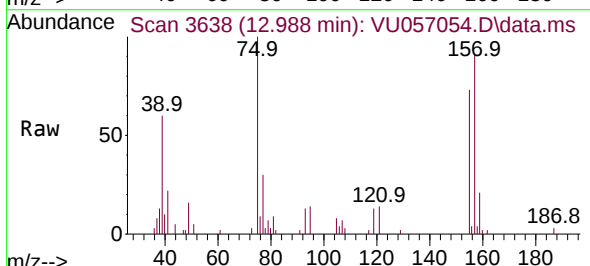
Tgt Ion: 75 Resp: 11267

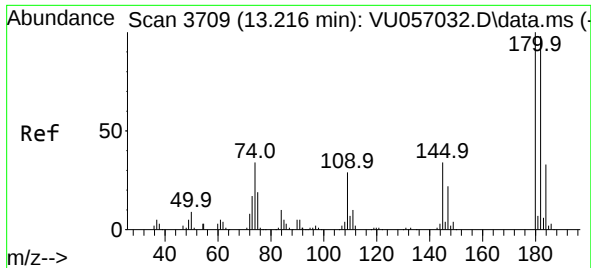
Ion Ratio Lower Upper

75 100

155 73.3 55.4 83.2

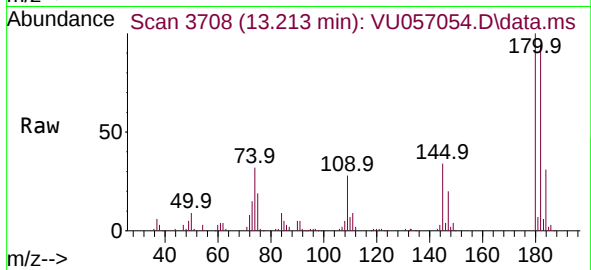
157 90.7 77.3 115.9



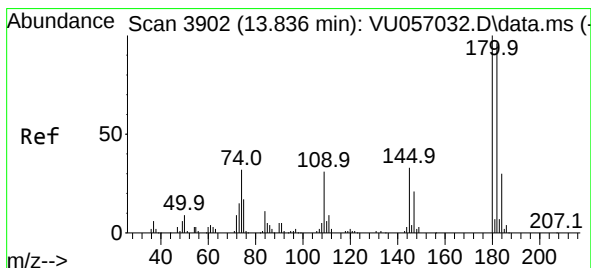
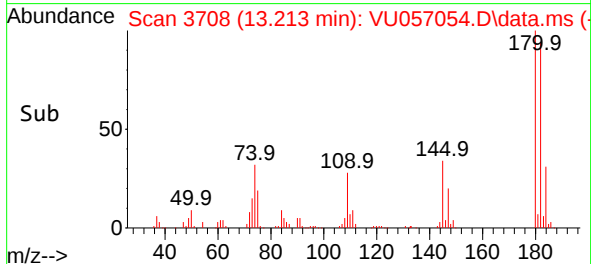
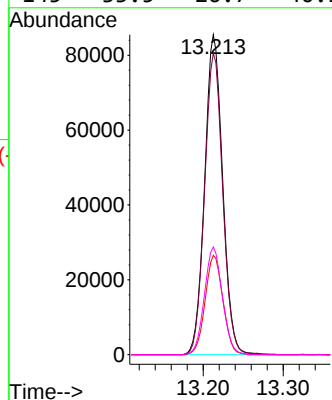


#69
 1,3,5-Trichlorobenzene
 Concen: 4.518 ug/L
 RT: 13.213 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU057054.D
 Acq: 19 Dec 2023 19:11

Instrument :
 MSVOA_U
 ClientSampleId :

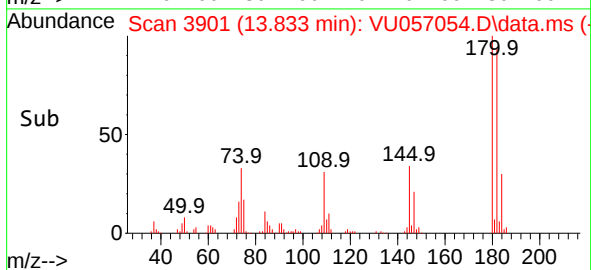
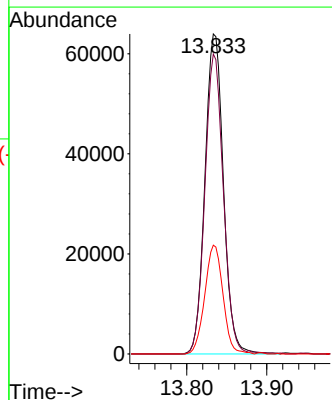
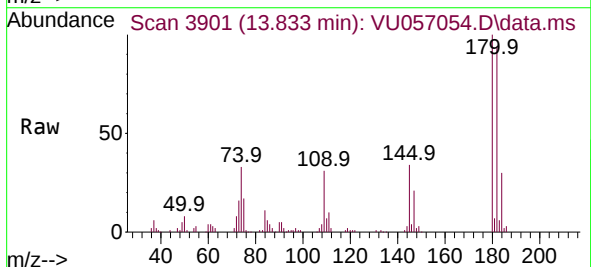


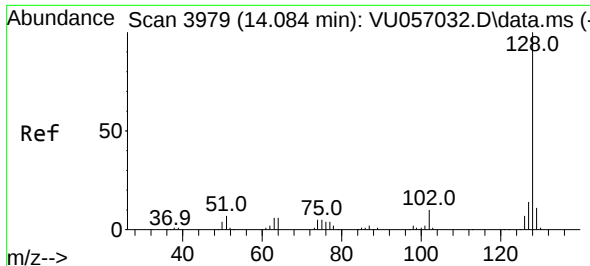
Tgt Ion:180 Resp: 134250
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.2 114.4
 184 30.7 24.6 37.0
 145 33.5 26.7 40.1



#70
 1,2,4-trichlorobenzene
 Concen: 4.376 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.003 min
 Lab File: VU057054.D
 Acq: 19 Dec 2023 19:11

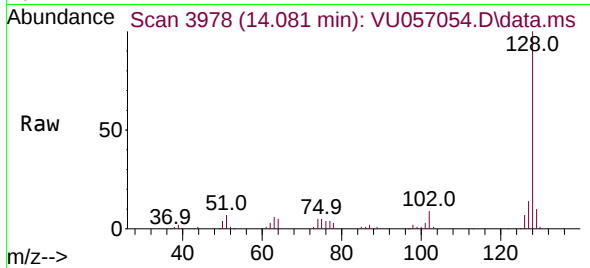
Tgt Ion:180 Resp: 102967
 Ion Ratio Lower Upper
 180 100
 182 93.8 74.3 111.5
 145 33.5 26.7 40.1



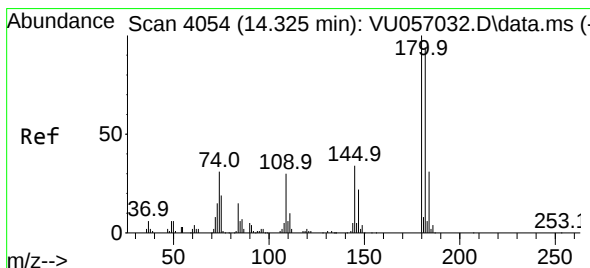
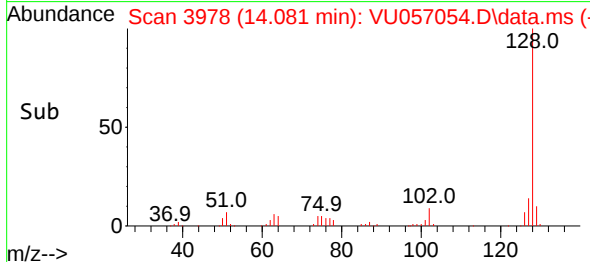
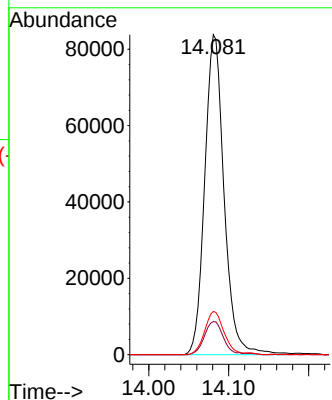


#71
Naphthalene
Concen: 4.096 ug/L
RT: 14.081 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 141046
Ion Ratio Lower Upper
128 100
129 10.4 8.6 12.8
127 13.5 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.253 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU057054.D
Acq: 19 Dec 2023 19:11

Tgt Ion:180 Resp: 84949
Ion Ratio Lower Upper
180 100
182 95.3 75.0 112.6
145 36.2 28.6 42.8

