

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121923\
 Data File : VU057053.D
 Acq On : 19 Dec 2023 18:47
 Operator : MD/SY
 Sample : 05771-09MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 20 05:00:01 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	206659	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	202934	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	106757	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	68883	3.889	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.800%
7) Chloroethane-d5	1.907	69	52858	3.988	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.800%
11) 1,1-Dichloroethene-d2	2.560	65	30987	4.089	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.800%
20) 2-Butanone-d5	4.618	46	132580	37.899	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.800%
24) Chloroform-d	5.055	84	146707	4.374	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
26) 1,2-Dichloroethane-d4	5.695	65	70326	4.430	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.600%
32) Benzene-d6	5.721	84	264037	4.195	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.800%
36) 1,2-Dichloropropane-d6	6.685	67	79813	4.051	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.000%
41) Toluene-d8	7.891	98	242723	4.314	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
43) trans-1,3-Dichloroprop...	8.174	79	32464	4.249	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.000%
46) 2-Hexanone-d5	8.627	63	119384	41.430	ug/L	-0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.860%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	61485	4.313	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	84525	4.028	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	96618	4.462	ug/L	95
3) Chloromethane	1.515	50	105345	4.947	ug/L	99
5) Vinyl chloride	1.602	62	102970	4.870	ug/L	100
6) Bromomethane	1.853	94	50868	4.080	ug/L	96
8) Chloroethane	1.927	64	60520	4.886	ug/L	99
9) Trichlorofluoromethane	2.132	101	157079	5.271	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	84833	4.641	ug/L	99
12) 1,1-Dichloroethene	2.576	96	72443	4.318	ug/L	89
13) Acetone	2.624	43	98058	45.996	ug/L	94
14) Carbon disulfide	2.788	76	224959	3.864	ug/L	100
15) Methyl Acetate	2.946	43	23668	4.078	ug/L	100
16) Methylene chloride	3.039	84	81988	4.485	ug/L	99
17) Methyl tert-butyl Ether	3.351	73	169612	4.559	ug/L	94
18) trans-1,2-Dichloroethene	3.348	96	74663	4.389	ug/L	99
19) 1,1-Dichloroethane	3.859	63	152664	4.665	ug/L	99
21) 2-Butanone	4.698	43	148849	41.402	ug/L	96
22) cis-1,2-Dichloroethene	4.656	96	89087	4.814	ug/L	96
23) Bromochloromethane	4.968	128	34720	4.481	ug/L	97
25) Chloroform	5.081	83	178836	5.217	ug/L	98

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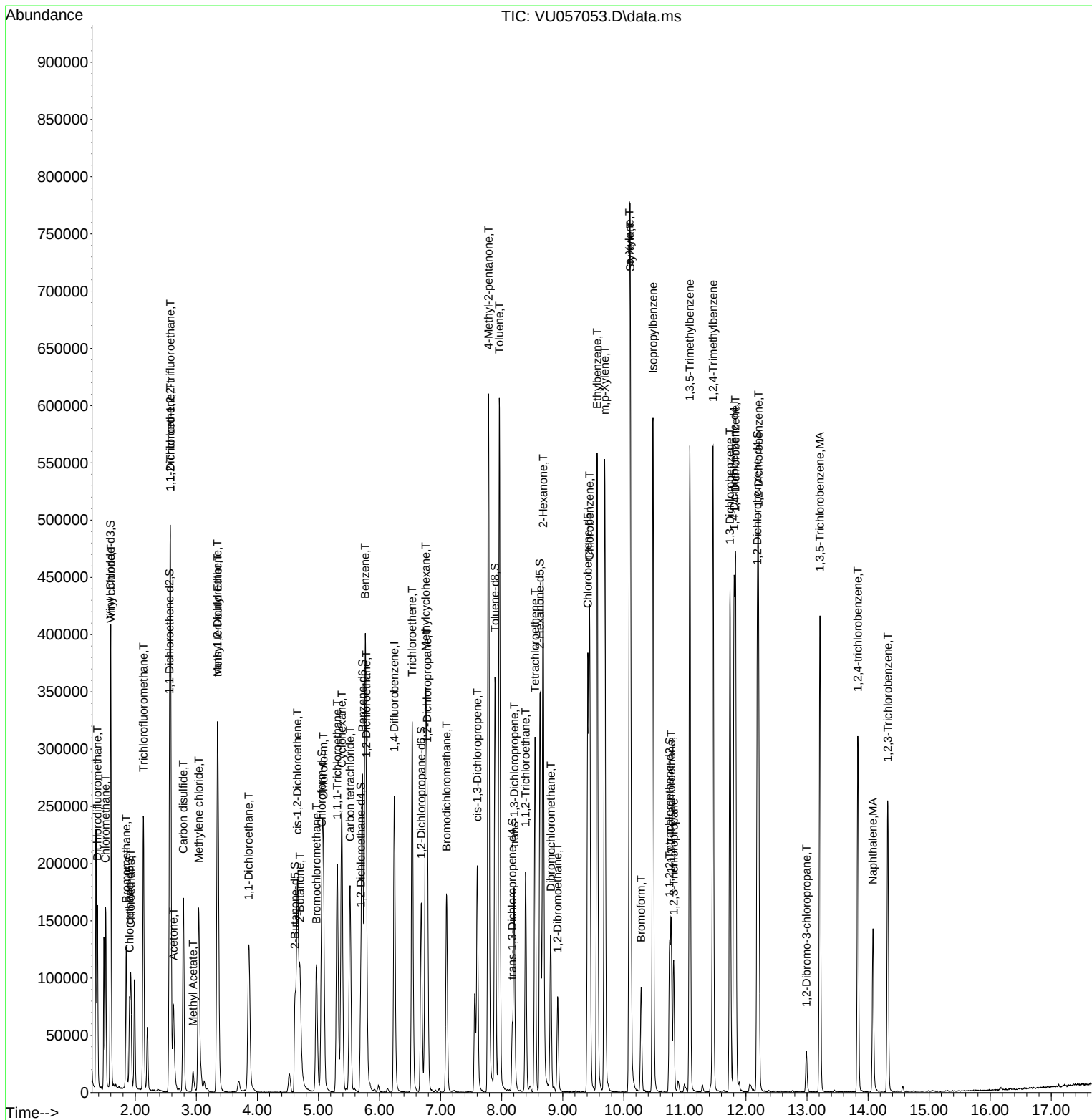
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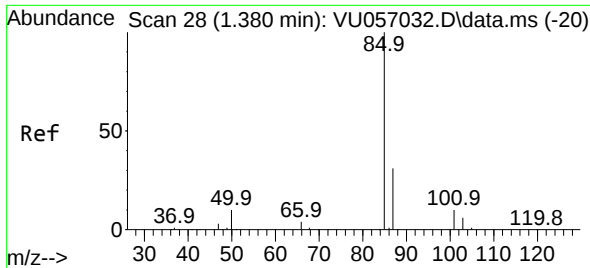
Quant Time: Dec 20 05:00:01 2023
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	97071	4.788	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	149395	5.093	ug/L	99
30) Cyclohexane	5.383	56	118545	4.306	ug/L	96
31) Carbon tetrachloride	5.518	117	128025	5.021	ug/L	99
33) Benzene	5.766	78	352496	4.942	ug/L	100
34) Trichloroethene	6.534	95	114841	5.870	ug/L	97
35) Methylcyclohexane	6.756	83	127842	4.428	ug/L	100
37) 1,2-Dichloropropane	6.782	63	83911	4.599	ug/L	100
38) Bromodichloromethane	7.100	83	117883	5.067	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	119919	4.510	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	385222	44.468	ug/L	97
42) Toluene	7.962	91	442441	5.996	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	104801	4.809	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	58521	4.745	ug/L	97
47) Tetrachloroethene	8.547	164	64067	4.679	ug/L	99
48) 2-Hexanone	8.679	43	275899	44.716	ug/L	97
49) Dibromochloromethane	8.804	129	71421	5.038	ug/L	100
50) 1,2-Dibromoethane	8.917	107	54813	4.788	ug/L	99
51) Chlorobenzene	9.441	112	220734	4.693	ug/L	97
52) Ethylbenzene	9.563	91	402626	4.946	ug/L	99
53) m,p-Xylene	9.688	106	155375	5.123	ug/L	95
54) o-Xylene	10.094	106	142191	4.921	ug/L	97
55) Styrene	10.110	104	239351	5.045	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	71652	4.809	ug/L #	98
59) Bromoform	10.283	173	40675	4.666	ug/L	98
60) Isopropylbenzene	10.479	105	382414	4.534	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	49528	4.321	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	310437	4.503	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	318425	4.651	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	176493	4.423	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	170866	4.349	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	158443	4.359	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	10776	4.709	ug/L	93
69) 1,3,5-Trichlorobenzene	13.212	180	125147	4.151	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	92064	3.856	ug/L	97
71) Naphthalene	14.081	128	115238	3.298	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	75457	3.723	ug/L	98

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

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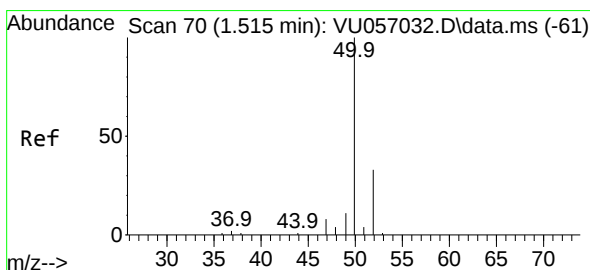
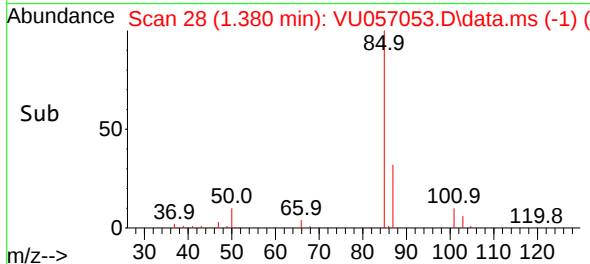
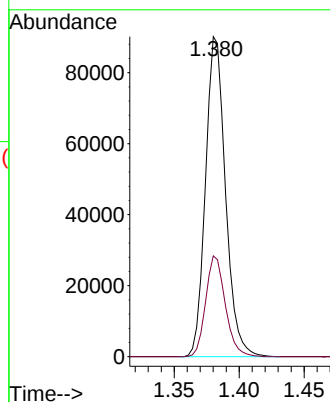
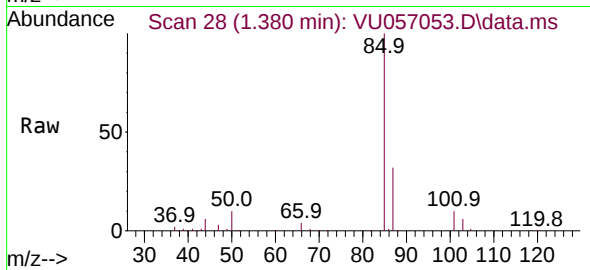




#2
 Dichlorodifluoromethane
 Concen: 4.462 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU057053.D
 Acq: 19 Dec 2023 18:47

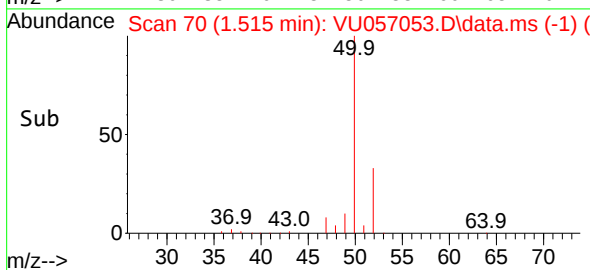
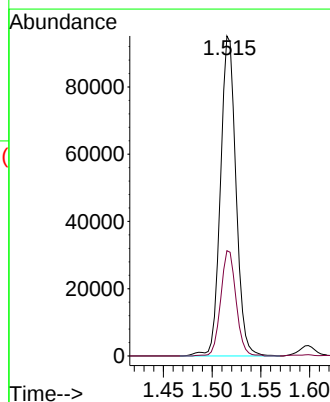
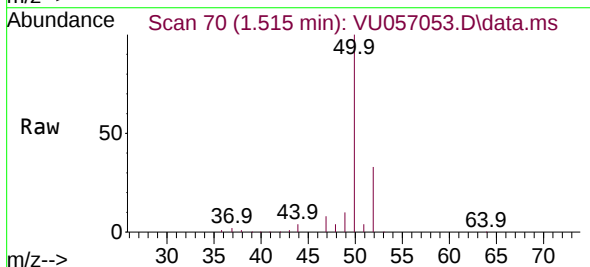
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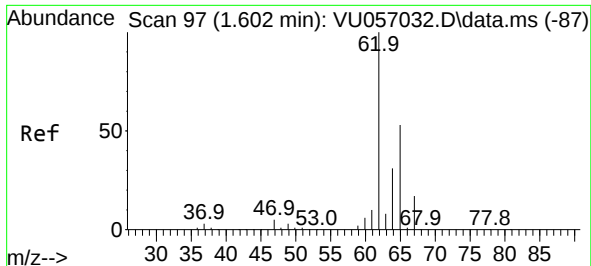
Tgt Ion: 85 Resp: 96618
 Ion Ratio Lower Upper
 85 100
 87 30.8 26.8 40.2



#3
 Chloromethane
 Concen: 4.947 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU057053.D
 Acq: 19 Dec 2023 18:47

Tgt Ion: 50 Resp: 105345
 Ion Ratio Lower Upper
 50 100
 52 32.9 22.5 41.7

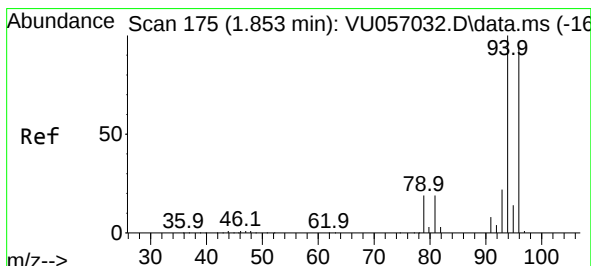
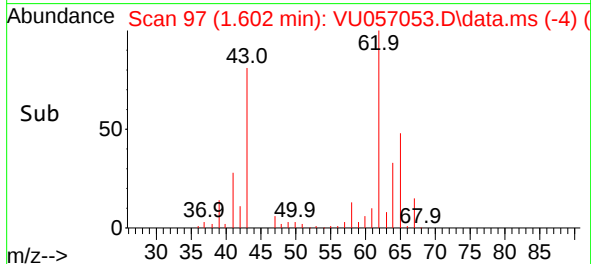
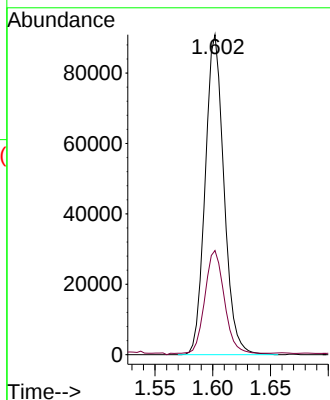
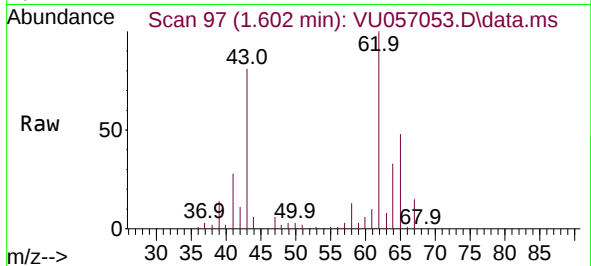




#5
 Vinyl chloride
 Concen: 4.870 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU057053.D
 Acq: 19 Dec 2023 18:47

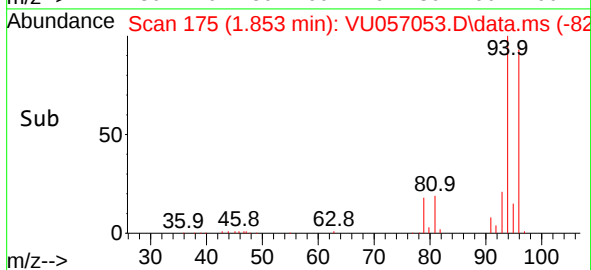
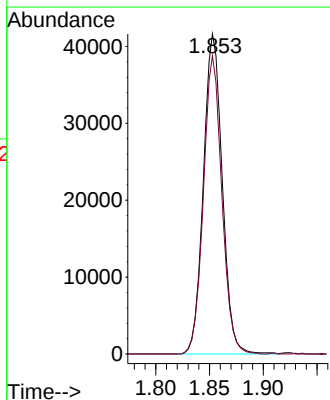
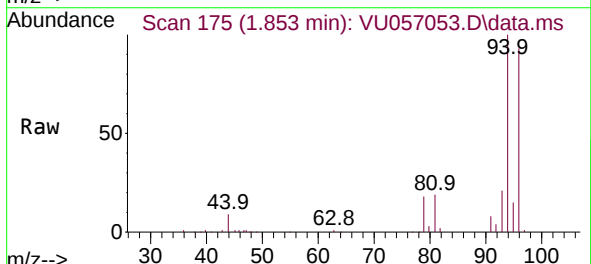
Instrument :
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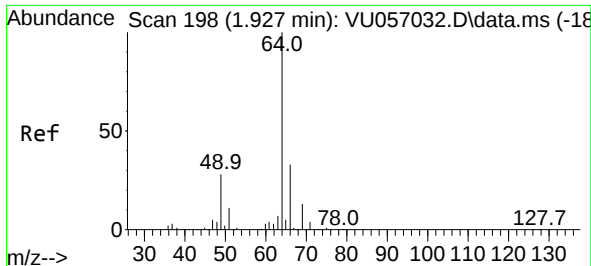
Tgt Ion: 62 Resp: 102970
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.8 42.4



#6
 Bromomethane
 Concen: 4.080 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. 0.000 min
 Lab File: VU057053.D
 Acq: 19 Dec 2023 18:47

Tgt Ion: 94 Resp: 50868
 Ion Ratio Lower Upper
 94 100
 96 93.2 67.8 125.8

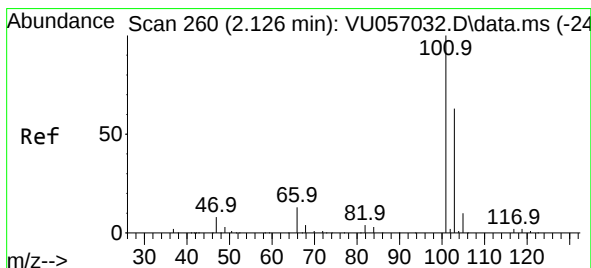
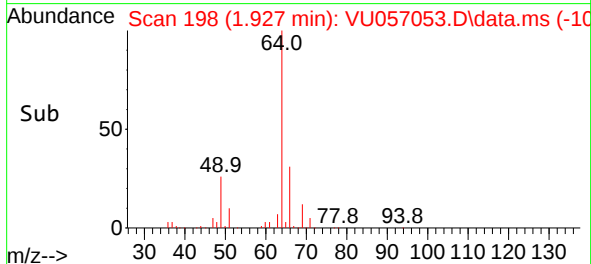
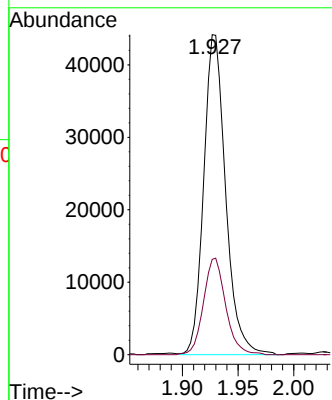
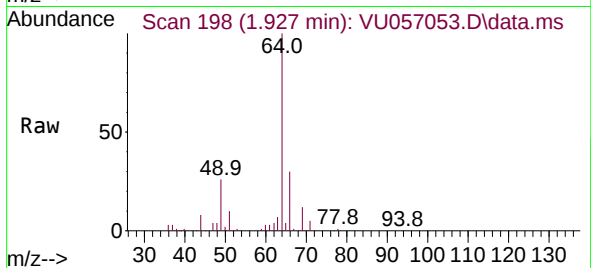




#8
Chloroethane
Concen: 4.886 ug/L
RT: 1.927 min Scan# 198
Delta R.T. 0.000 min
Lab File: VU057053.D
Acq: 19 Dec 2023 18:47

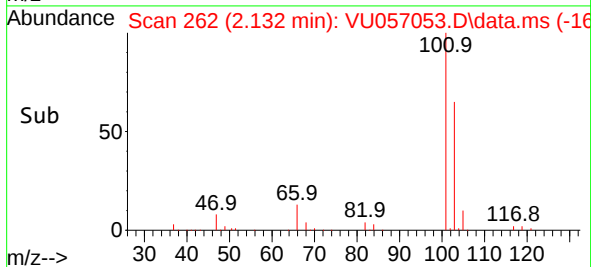
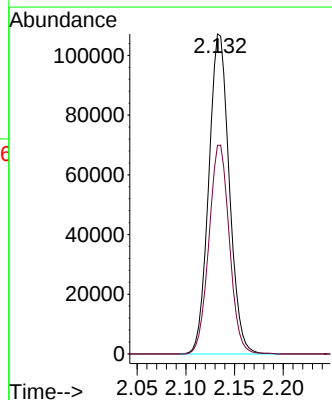
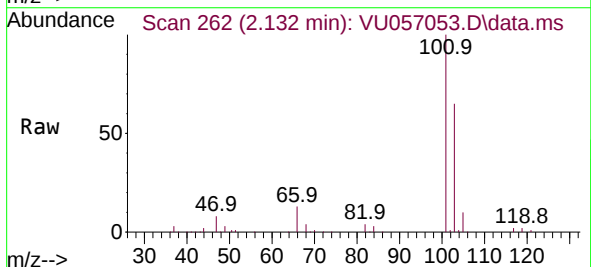
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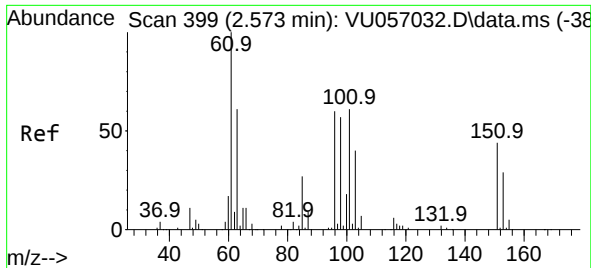
Tgt Ion: 64 Resp: 60520
Ion Ratio Lower Upper
64 100
66 29.8 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.271 ug/L
RT: 2.132 min Scan# 262
Delta R.T. 0.007 min
Lab File: VU057053.D
Acq: 19 Dec 2023 18:47

Tgt Ion:101 Resp: 157079
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.2

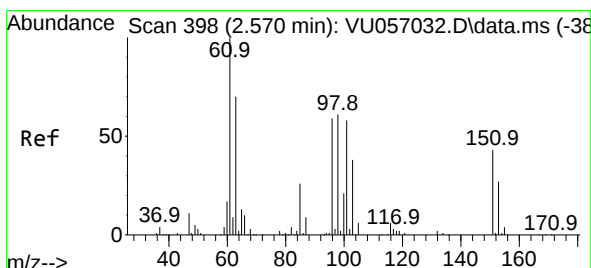
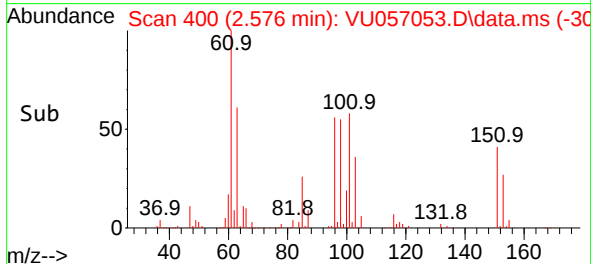
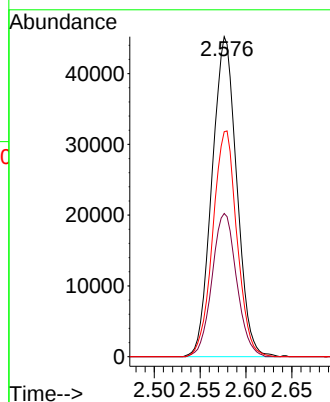
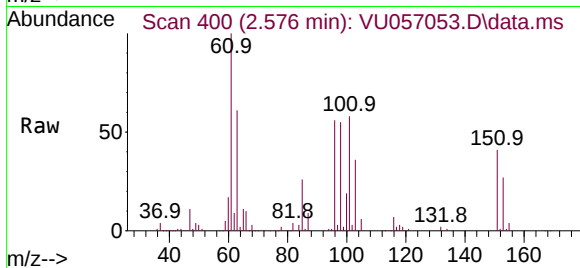




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.641 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU057053.D
 Acq: 19 Dec 2023 18:47

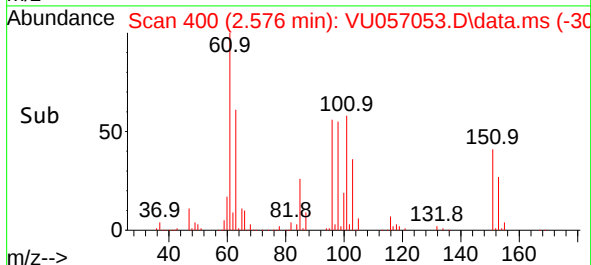
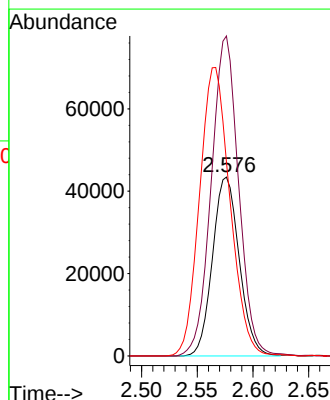
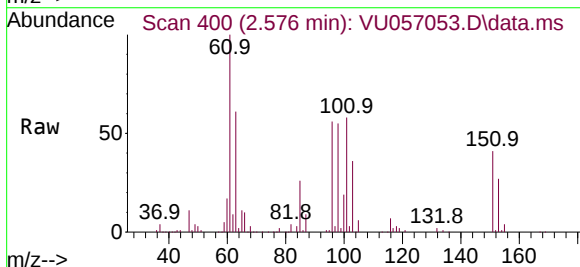
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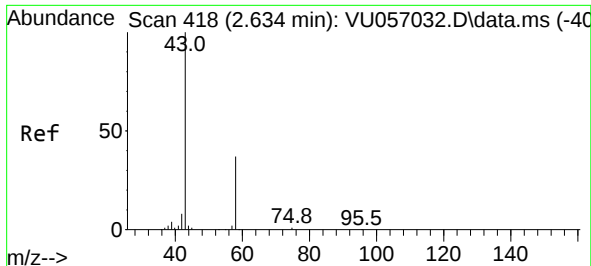
Tgt Ion:101 Resp: 84833
 Ion Ratio Lower Upper
 101 100
 85 44.5 35.2 52.8
 151 69.1 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 4.318 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.007 min
 Lab File: VU057053.D
 Acq: 19 Dec 2023 18:47

Tgt Ion: 96 Resp: 72443
 Ion Ratio Lower Upper
 96 100
 61 178.9 119.0 221.0
 63 108.4 88.7 164.7





#13

Acetone

Concen: 45.996 ug/L

RT: 2.624 min Scan# 415

Delta R.T. -0.010 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

Instrument :

MSVOA_U

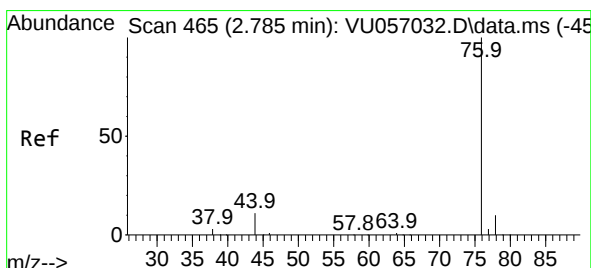
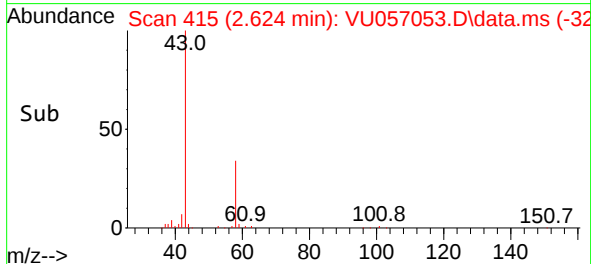
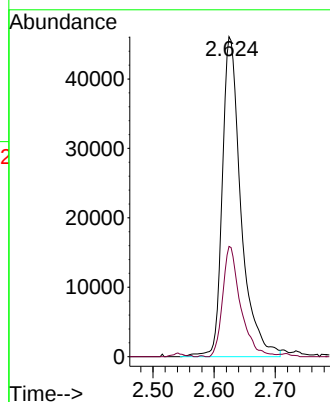
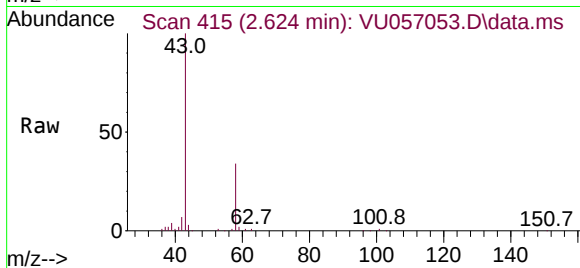
ClientSampleId :

Tgt Ion: 43 Resp: 98058

Ion Ratio Lower Upper

43 100

58 33.0 0.0 72.6



#14

Carbon disulfide

Concen: 3.864 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.003 min

Lab File: VU057053.D

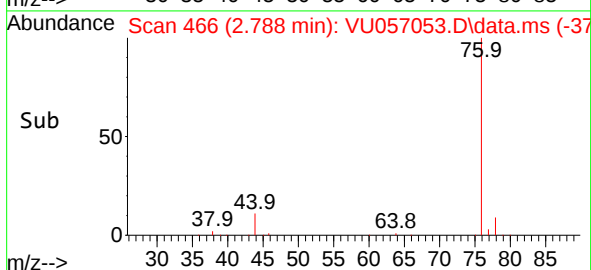
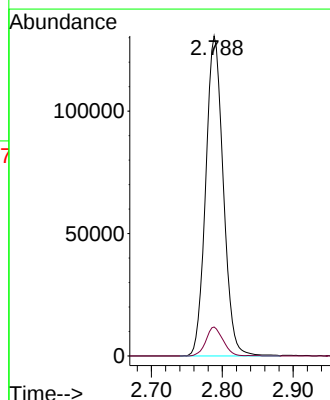
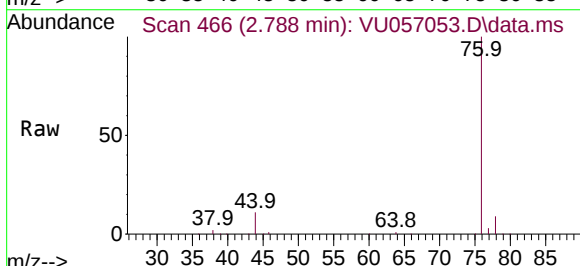
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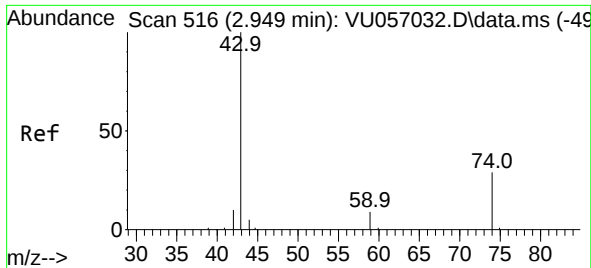
Tgt Ion: 76 Resp: 224959

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

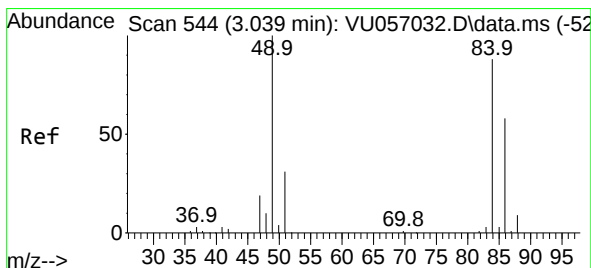
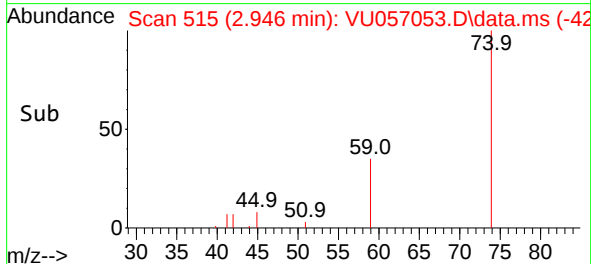
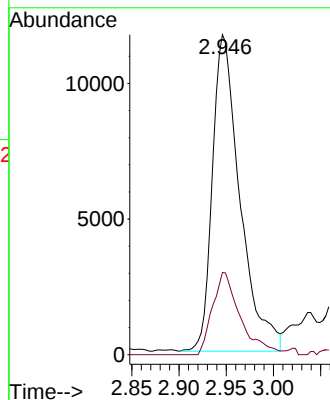
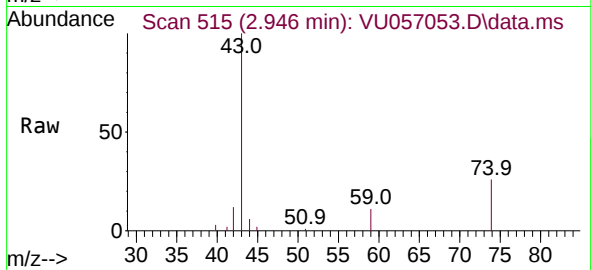




#15
Methyl Acetate
Concen: 4.078 ug/L
RT: 2.946 min Scan# 516
Delta R.T. -0.003 min
Lab File: VU057053.D
Acq: 19 Dec 2023 18:47

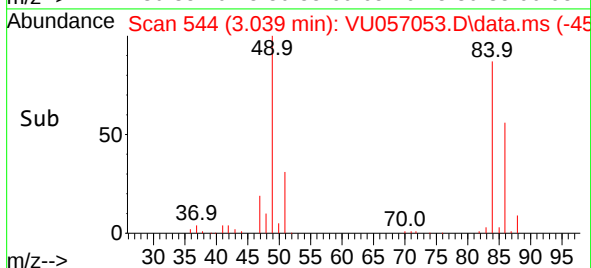
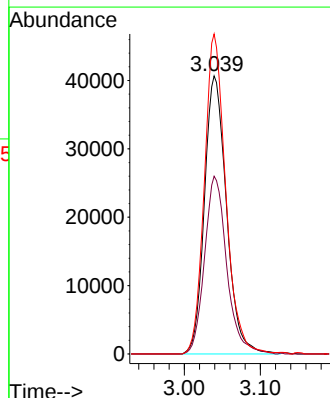
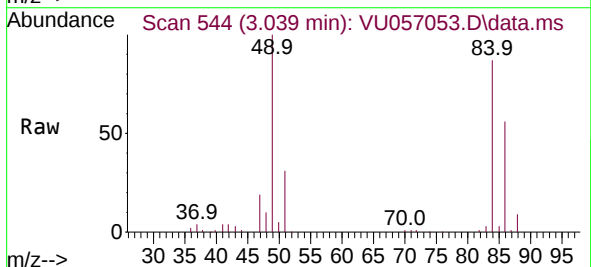
Instrument :
MSVOA_U
ClientSampleId :

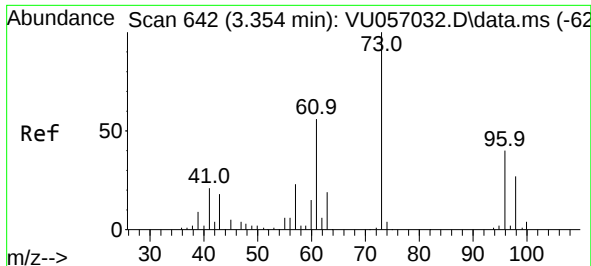
Tgt Ion: 43 Resp: 23668
Ion Ratio Lower Upper
43 100
74 26.2 21.0 31.6



#16
Methylene chloride
Concen: 4.485 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU057053.D
Acq: 19 Dec 2023 18:47

Tgt Ion: 84 Resp: 81988
Ion Ratio Lower Upper
84 100
86 63.9 43.6 81.0
49 115.1 80.6 149.6

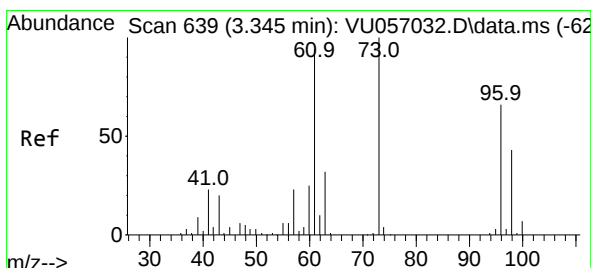
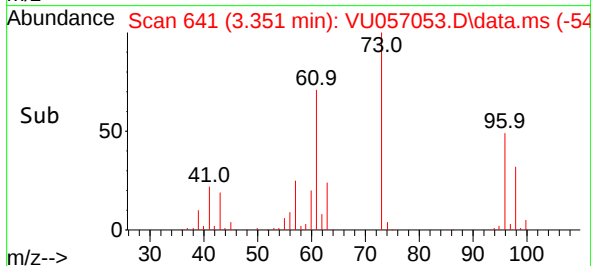
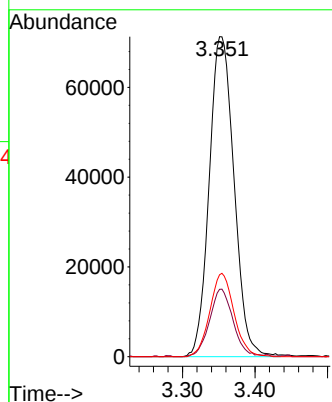
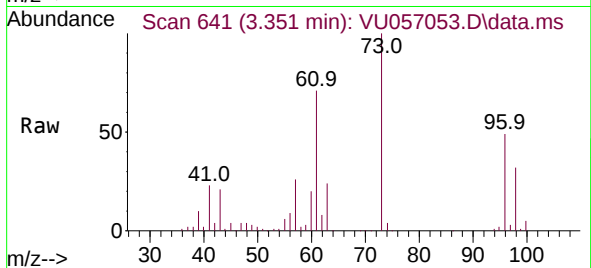




#17
Methyl tert-butyl Ether
Concen: 4.559 ug/L
RT: 3.351 min Scan# 64
Delta R.T. -0.003 min
Lab File: VU057053.D
Acq: 19 Dec 2023 18:47

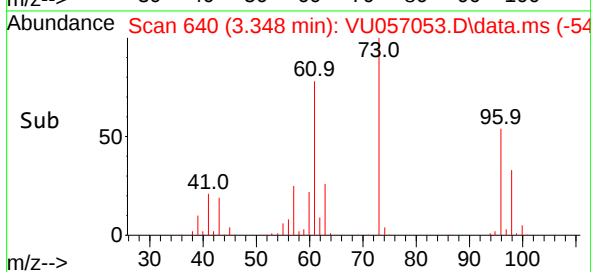
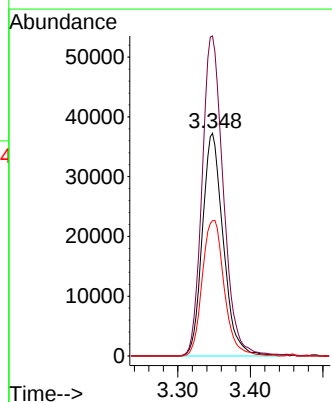
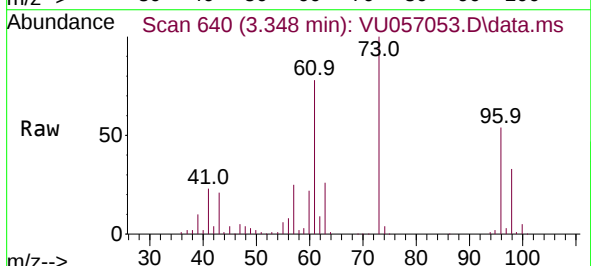
Instrument :
MSVOA_U
ClientSampleId :

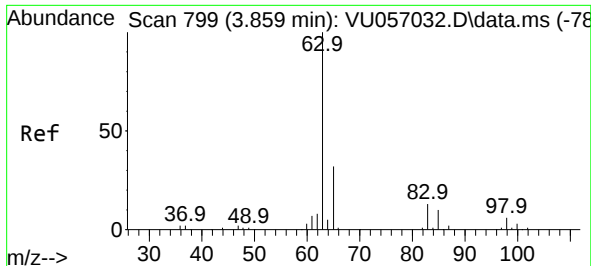
Tgt Ion: 73 Resp: 169612
Ion Ratio Lower Upper
73 100
43 20.0 14.4 21.6
57 25.4 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.389 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU057053.D
Acq: 19 Dec 2023 18:47

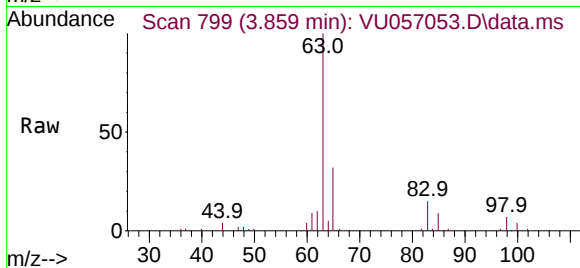
Tgt Ion: 96 Resp: 74663
Ion Ratio Lower Upper
96 100
61 143.7 101.8 189.0
98 60.7 43.0 79.8



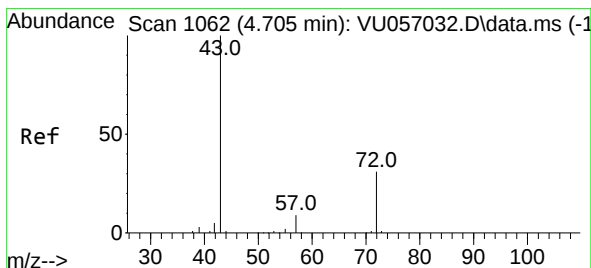
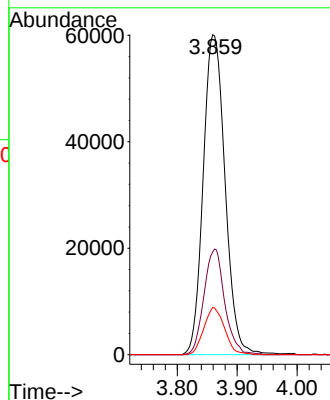
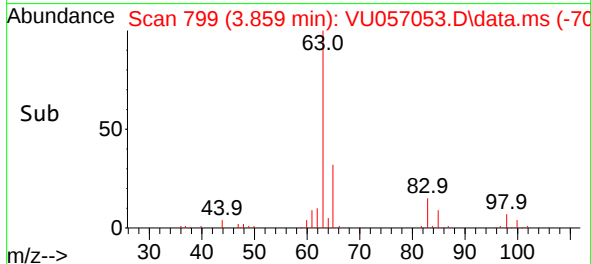


#19
1,1-Dichloroethane
Concen: 4.665 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU057053.D
Acq: 19 Dec 2023 18:47

Instrument :
MSVOA_U
ClientSampleId :

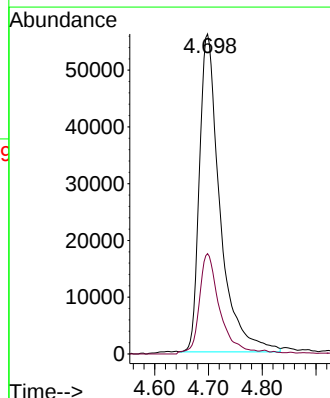
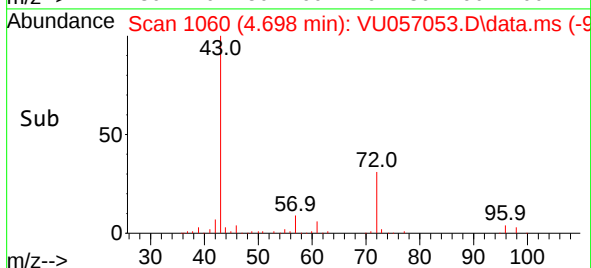
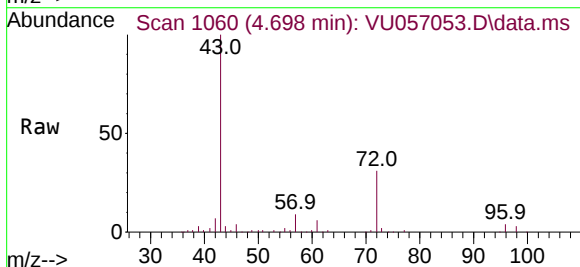


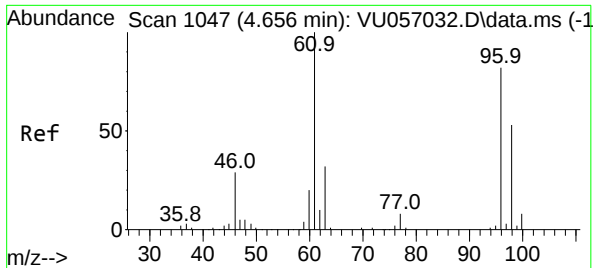
Tgt Ion: 63 Resp: 152664
Ion Ratio Lower Upper
63 100
65 32.1 22.9 42.5
83 14.8 10.1 18.9



#21
2-Butanone
Concen: 41.402 ug/L
RT: 4.698 min Scan# 1060
Delta R.T. -0.006 min
Lab File: VU057053.D
Acq: 19 Dec 2023 18:47

Tgt Ion: 43 Resp: 148849
Ion Ratio Lower Upper
43 100
72 31.1 14.6 43.8

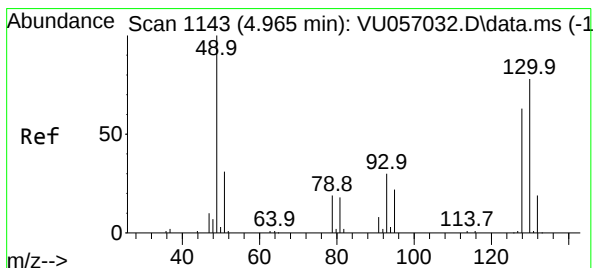
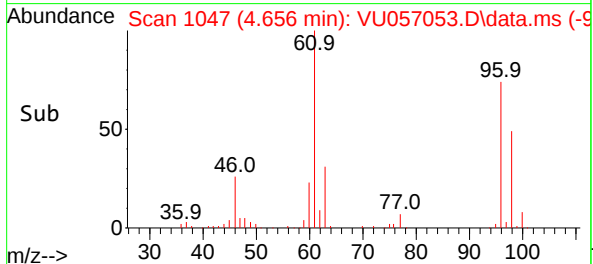
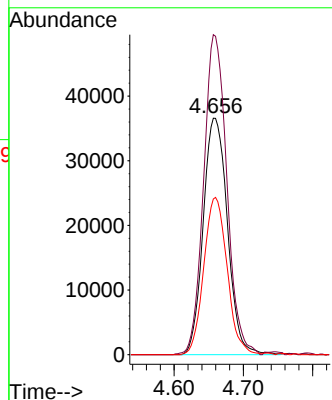
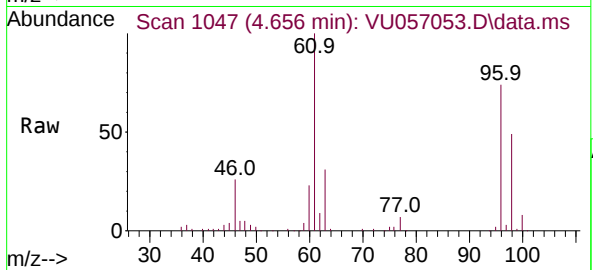




#22
 cis-1,2-Dichloroethene
 Concen: 4.814 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. 0.000 min
 Lab File: VU057053.D
 Acq: 19 Dec 2023 18:47

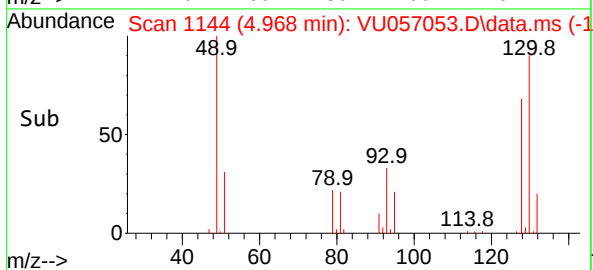
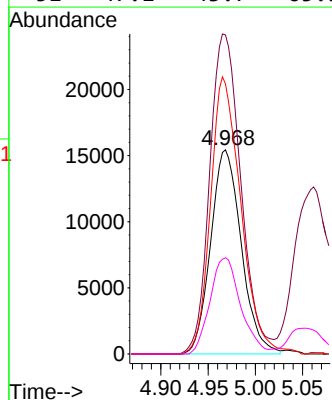
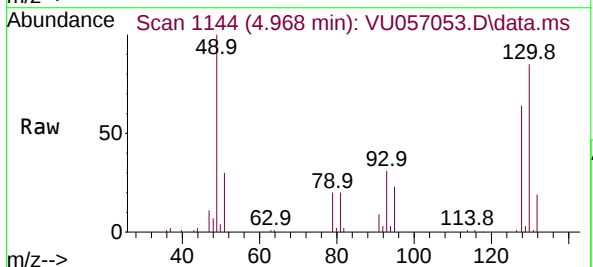
Instrument :
 MSVOA_U
 ClientSampleId :

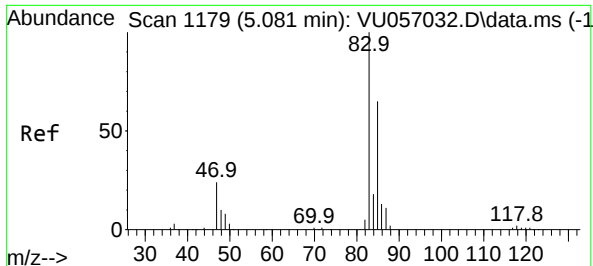
Tgt Ion:	96	Resp:	89087
Ion	Ratio	Lower	Upper
96	100		
61	135.3	91.3	169.6
98	65.8	44.2	82.0



#23
 Bromochloromethane
 Concen: 4.481 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.003 min
 Lab File: VU057053.D
 Acq: 19 Dec 2023 18:47

Tgt Ion:	128	Resp:	34720
Ion	Ratio	Lower	Upper
128	100		
49	162.6	113.8	211.3
130	132.3	90.6	168.3
51	47.1	43.7	65.5





#25

Chloroform

Concen: 5.217 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

Instrument :

MSVOA_U

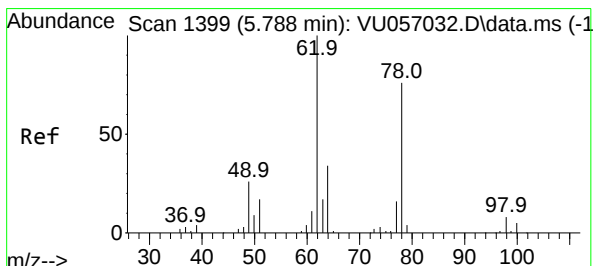
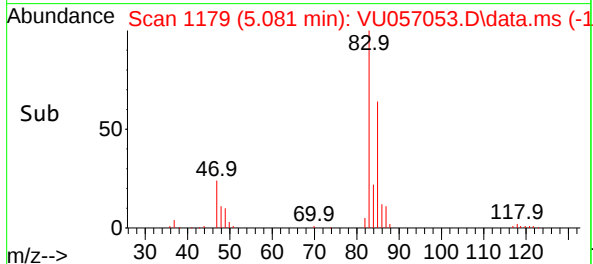
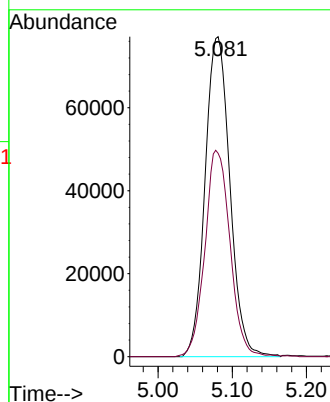
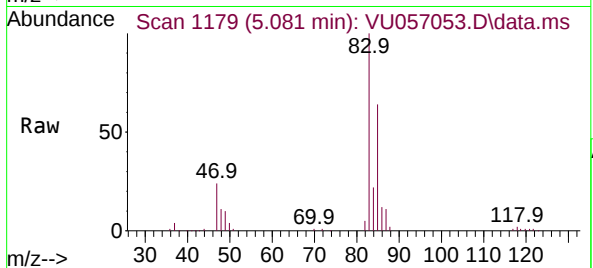
ClientSampleId :

Tgt Ion: 83 Resp: 178836

Ion Ratio Lower Upper

83 100

85 63.5 45.8 85.0



#27

1,2-Dichloroethane

Concen: 4.788 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU057053.D

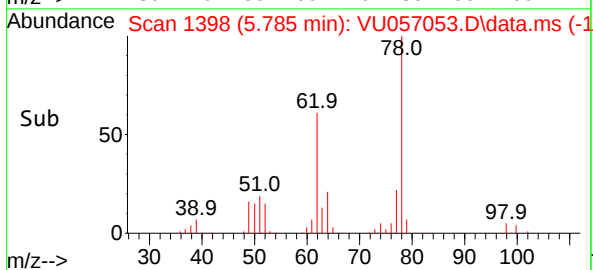
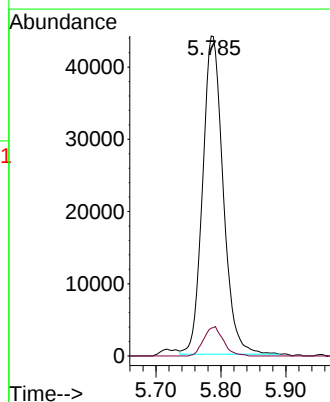
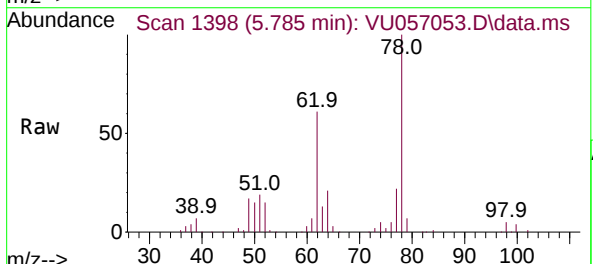
Acq: 19 Dec 2023 18:47

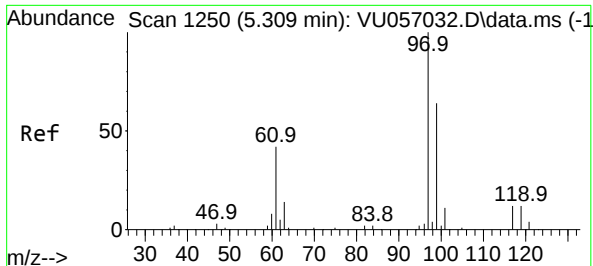
Tgt Ion: 62 Resp: 97071

Ion Ratio Lower Upper

62 100

98 8.7 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 5.093 ug/L

RT: 5.309 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

Instrument :

MSVOA_U

ClientSampleId :

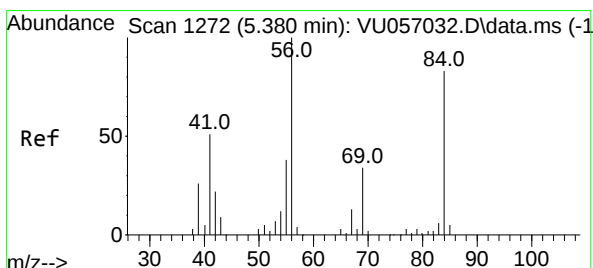
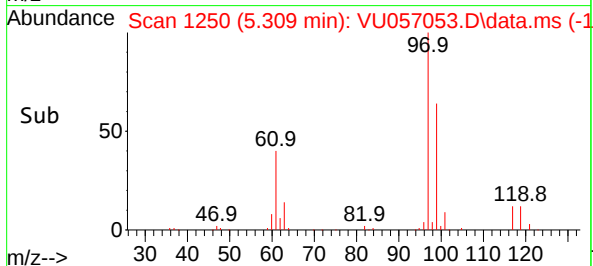
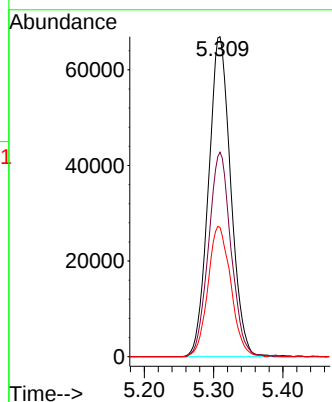
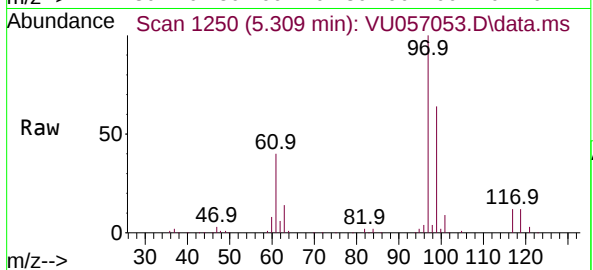
Tgt Ion: 97 Resp: 149395

Ion Ratio Lower Upper

97 100

99 64.6 52.5 78.7

61 41.8 34.2 51.2



#30

Cyclohexane

Concen: 4.306 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.003 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

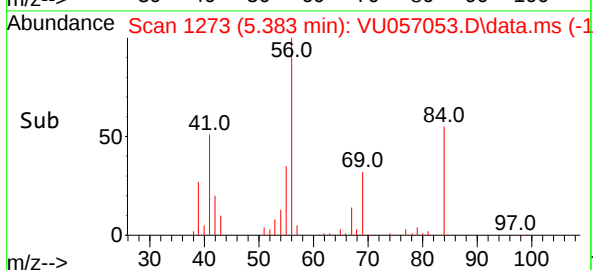
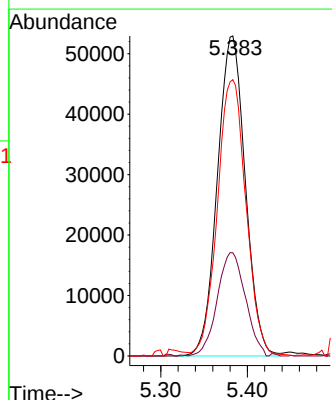
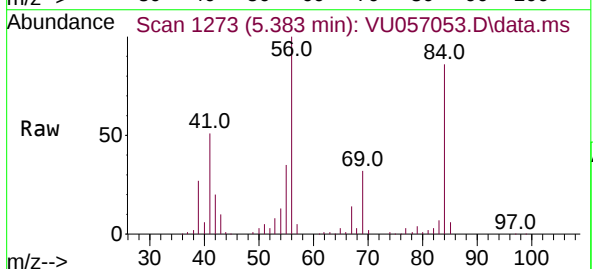
Tgt Ion: 56 Resp: 118545

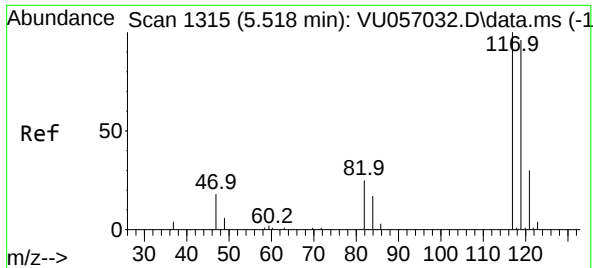
Ion Ratio Lower Upper

56 100

69 32.5 24.9 37.3

84 88.5 67.6 101.4

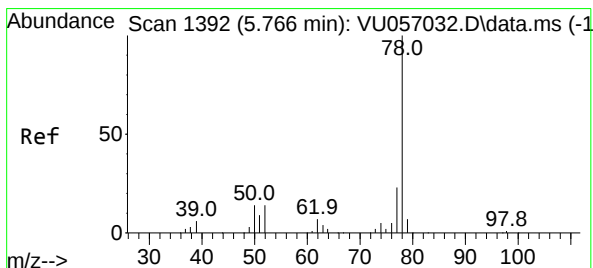
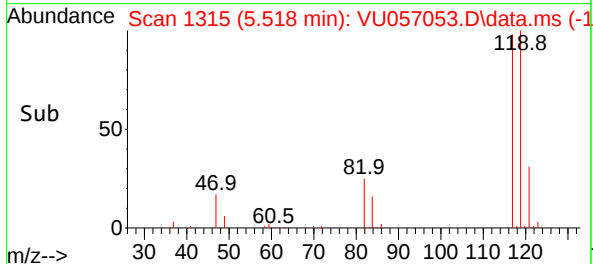
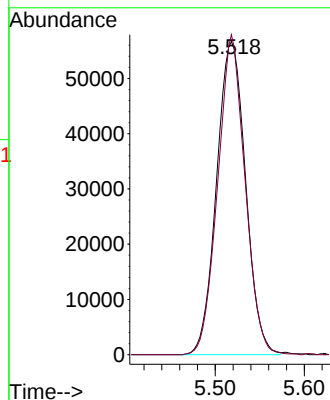
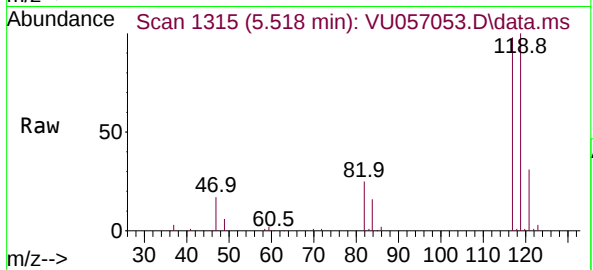




#31
Carbon tetrachloride
Concen: 5.021 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU057053.D
Acq: 19 Dec 2023 18:47

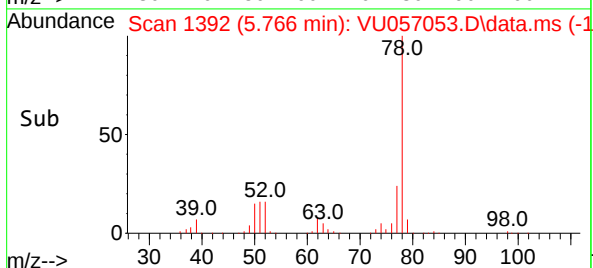
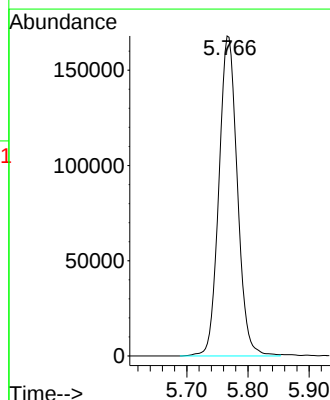
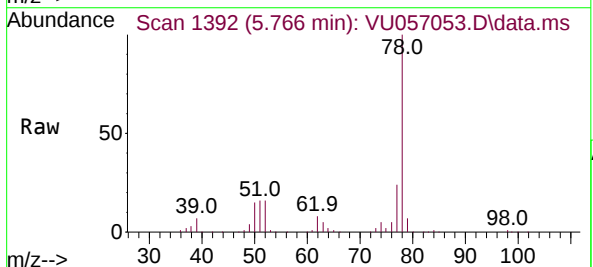
Instrument :
MSVOA_U
ClientSampleId :

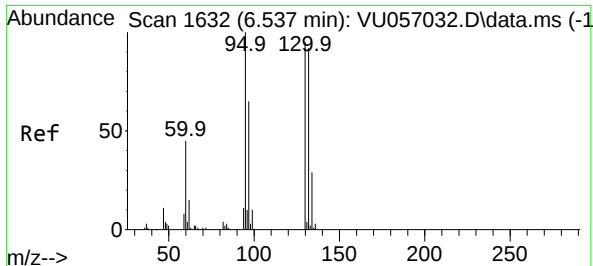
Tgt Ion:117 Resp: 128025
Ion Ratio Lower Upper
117 100
119 96.1 76.2 114.4



#33
Benzene
Concen: 4.942 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU057053.D
Acq: 19 Dec 2023 18:47

Tgt Ion: 78 Resp: 352496





#34

Trichloroethene

Concen: 5.870 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.003 min

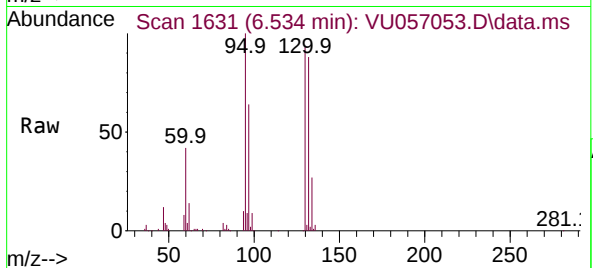
Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 114841

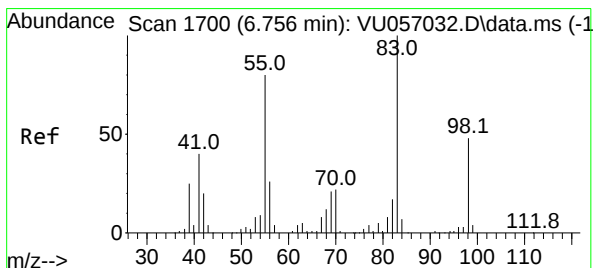
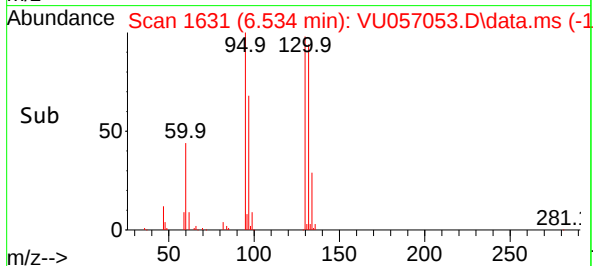
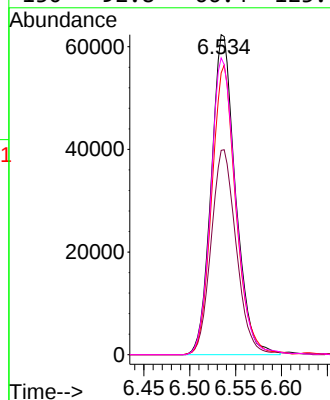
Ion Ratio Lower Upper

95 100

97 63.8 46.1 85.5

132 88.1 63.6 118.0

130 92.8 66.4 123.4



#35

Methylcyclohexane

Concen: 4.428 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

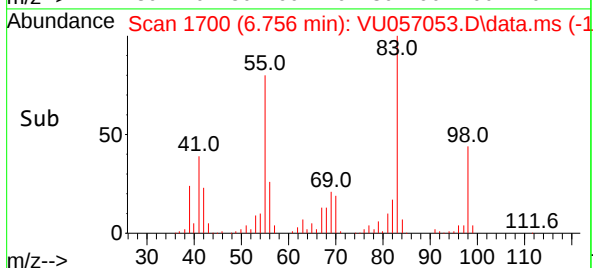
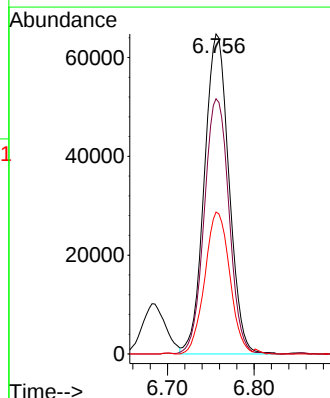
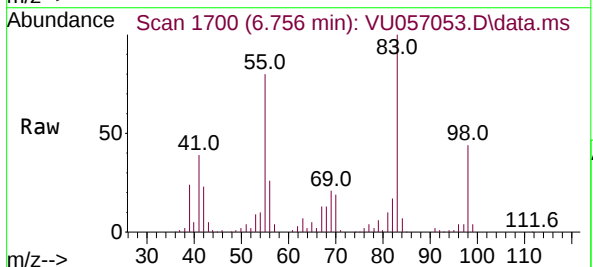
Tgt Ion: 83 Resp: 127842

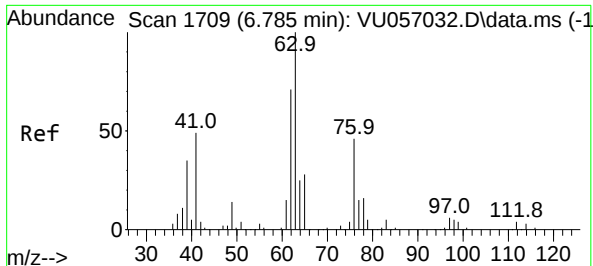
Ion Ratio Lower Upper

83 100

55 80.4 64.6 97.0

98 44.9 36.1 54.1





#37

1,2-Dichloropropane

Concen: 4.599 ug/L

RT: 6.782 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

Instrument :

MSVOA_U

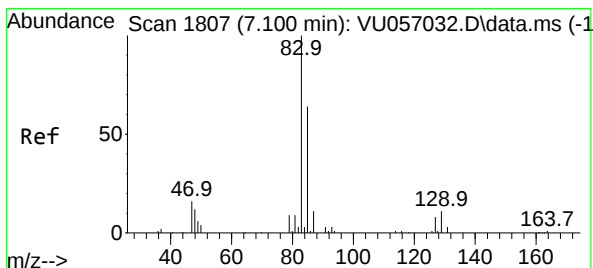
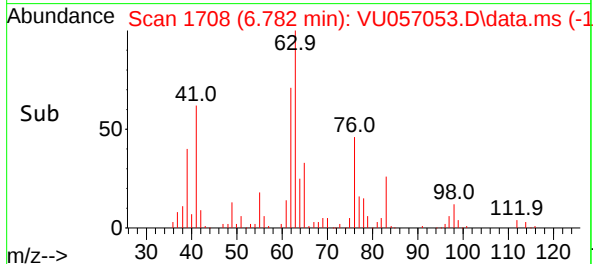
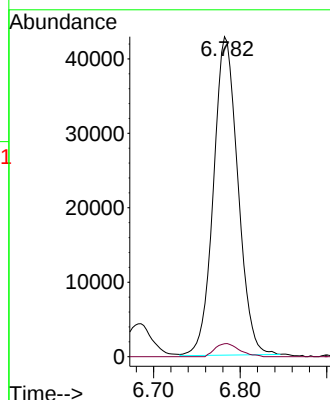
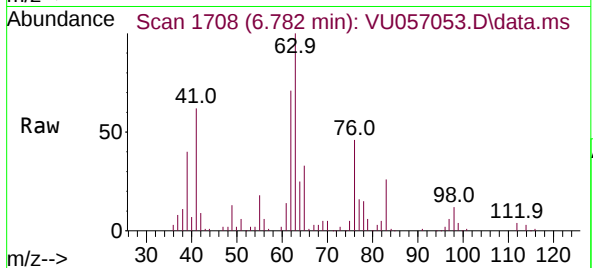
ClientSampleId :

Tgt Ion: 63 Resp: 83911

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 5.067 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

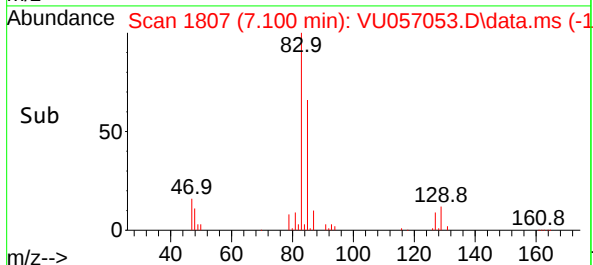
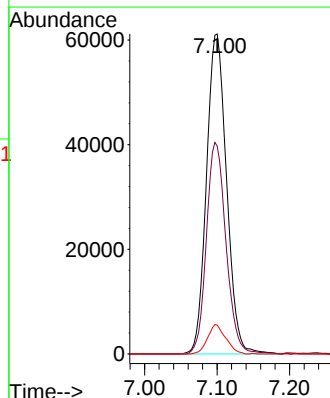
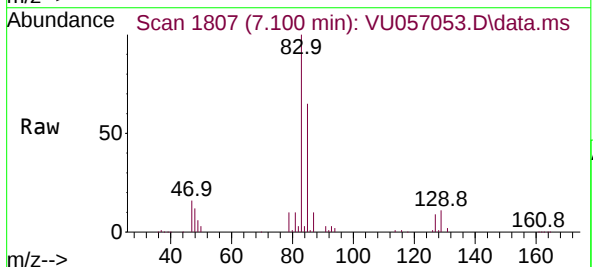
Tgt Ion: 83 Resp: 117883

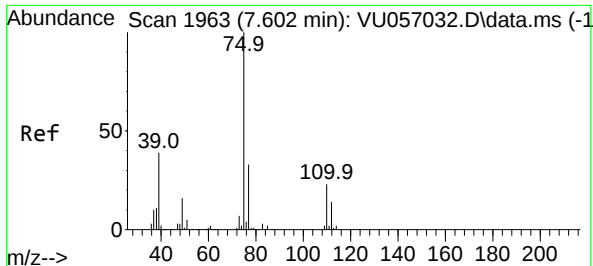
Ion Ratio Lower Upper

83 100

85 65.0 45.0 83.6

127 9.1 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.510 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

Instrument :

MSVOA_U

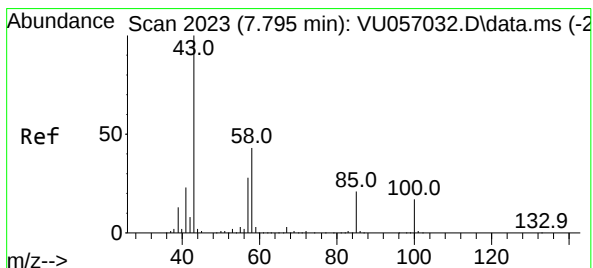
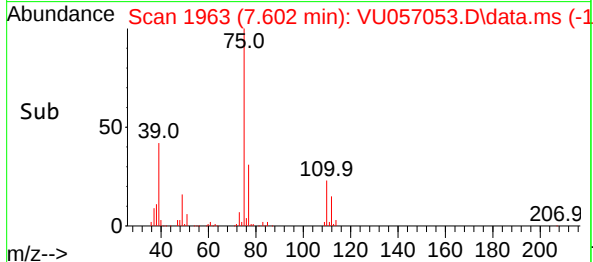
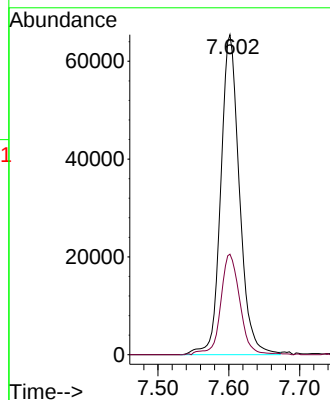
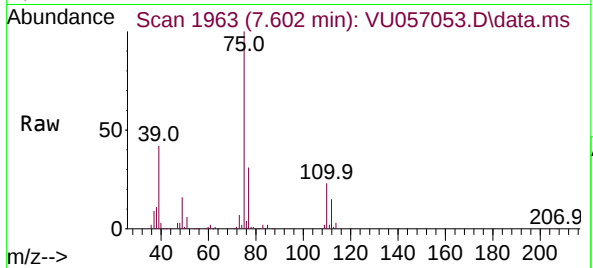
ClientSampleId :

Tgt Ion: 75 Resp: 119919

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 44.468 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.010 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

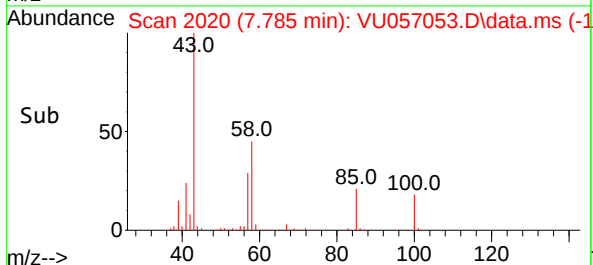
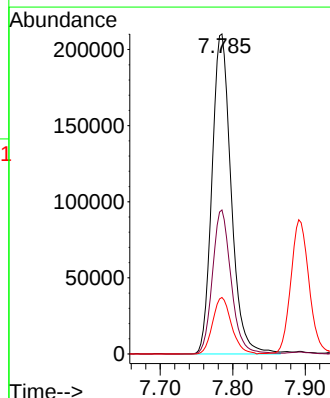
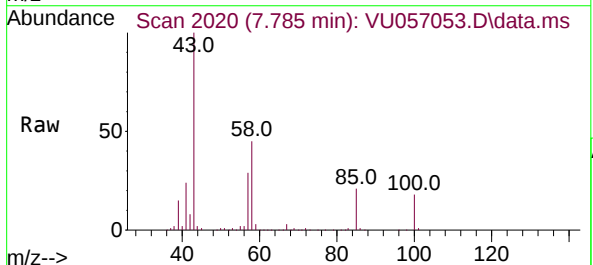
Tgt Ion: 43 Resp: 385222

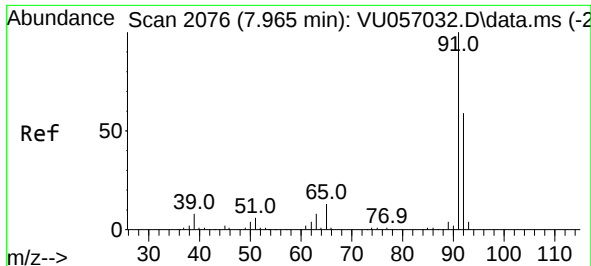
Ion Ratio Lower Upper

43 100

58 44.2 33.7 50.5

100 17.4 13.0 19.4





#42

Toluene

Concen: 5.996 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

Instrument :

MSVOA_U

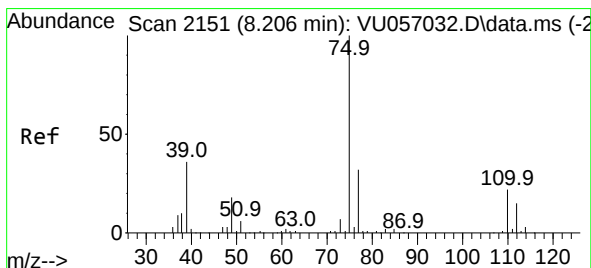
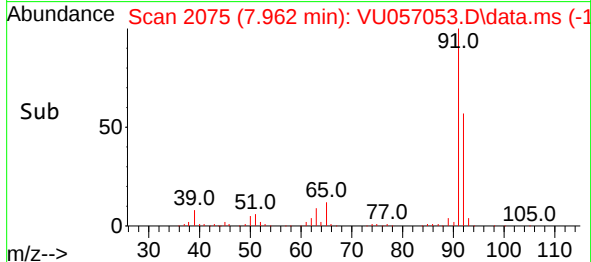
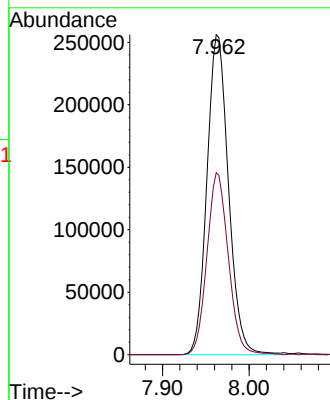
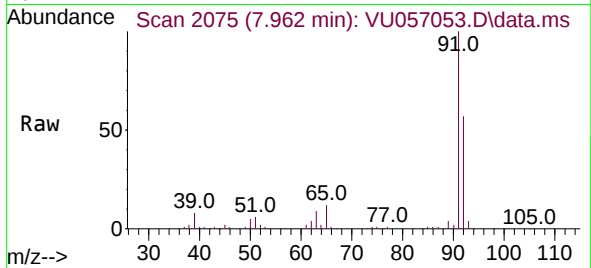
ClientSampleId :

Tgt Ion: 91 Resp: 442441

Ion Ratio Lower Upper

91 100

92 56.9 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.809 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU057053.D

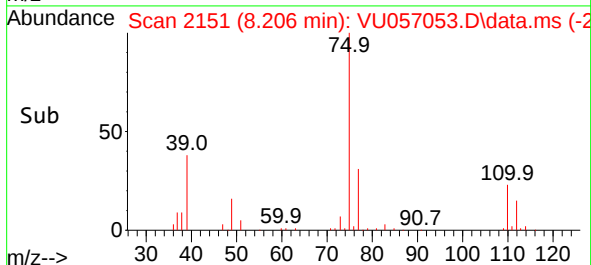
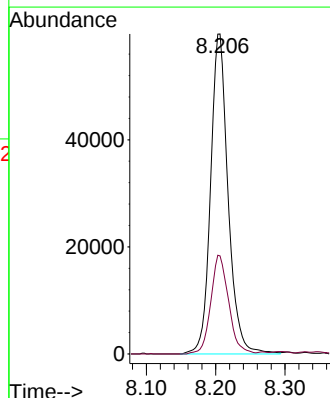
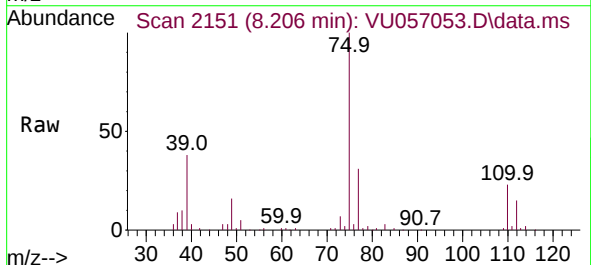
Acq: 19 Dec 2023 18:47

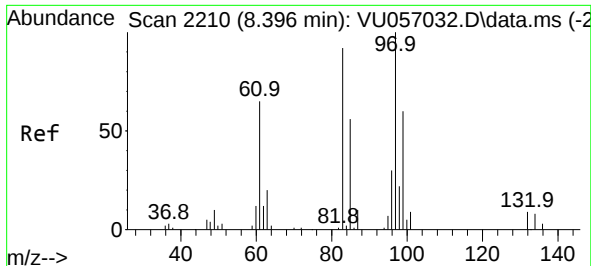
Tgt Ion: 75 Resp: 104801

Ion Ratio Lower Upper

75 100

77 30.7 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 4.745 ug/L

RT: 8.393 min Scan# 2210

Delta R.T. -0.003 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 58521

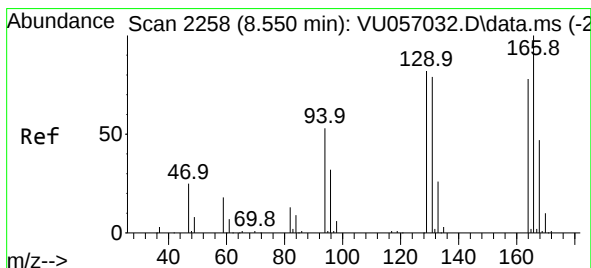
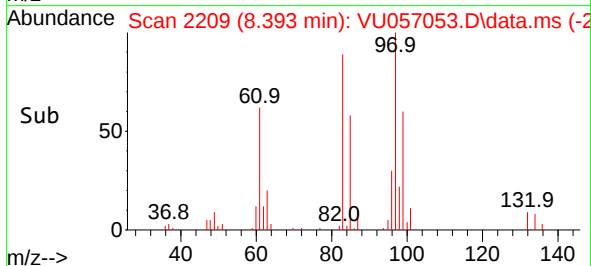
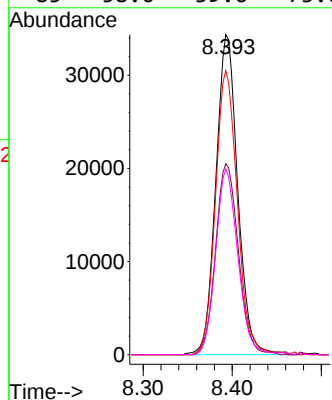
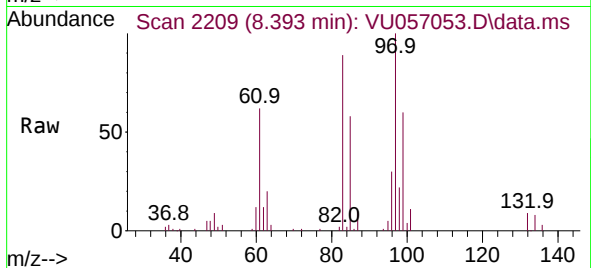
Ion Ratio Lower Upper

97 100

99 59.7 41.9 77.9

83 88.8 59.1 109.7

85 58.0 39.6 73.6



#47

Tetrachloroethene

Concen: 4.679 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.003 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

Tgt Ion: 164 Resp: 64067

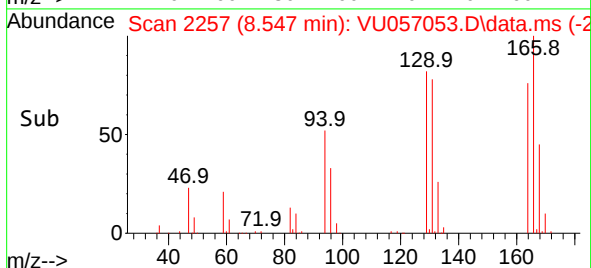
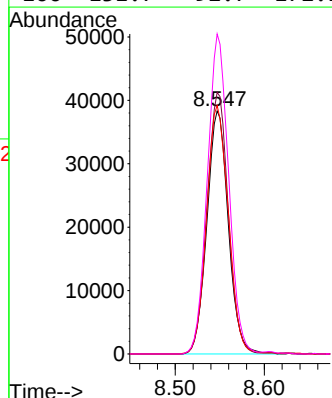
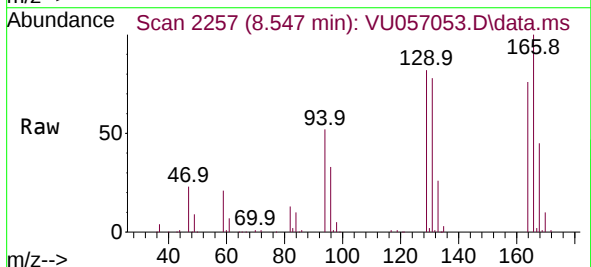
Ion Ratio Lower Upper

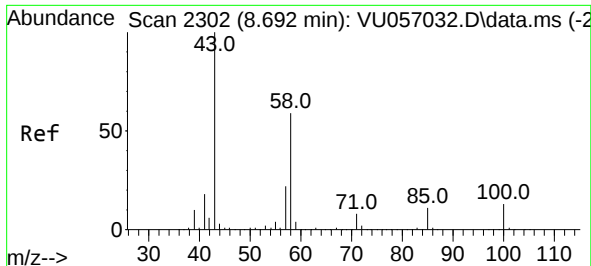
164 100

129 107.7 73.4 136.4

131 102.3 71.5 132.9

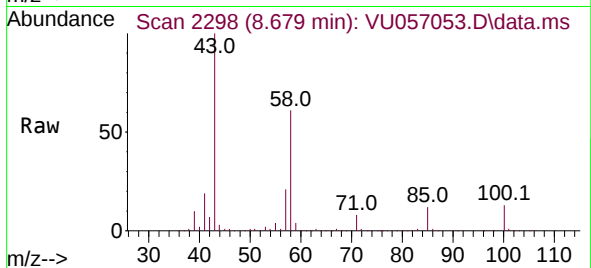
166 131.7 92.7 172.1



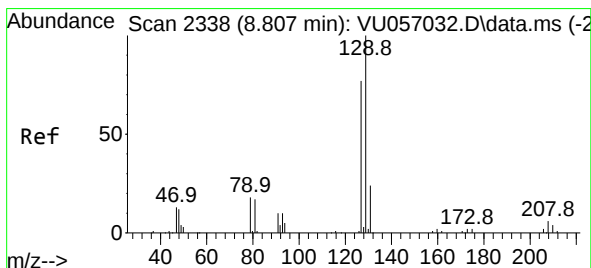
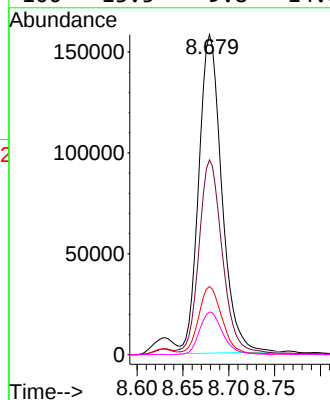
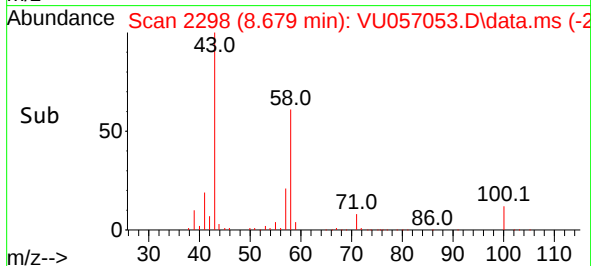


#48
2-Hexanone
Concen: 44.716 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.013 min
Lab File: VU057053.D
Acq: 19 Dec 2023 18:47

Instrument :
MSVOA_U
ClientSampleId :

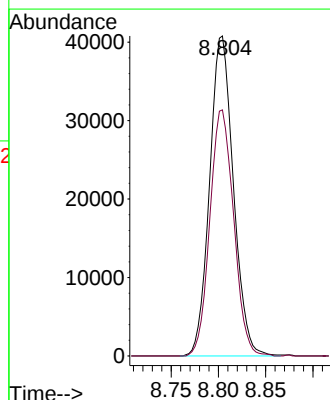
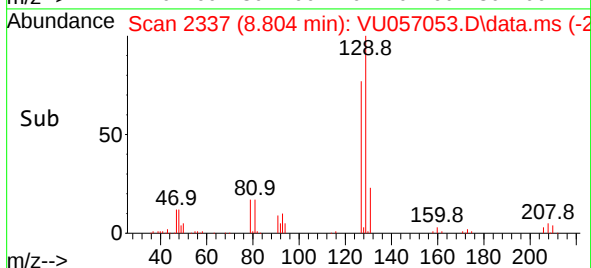
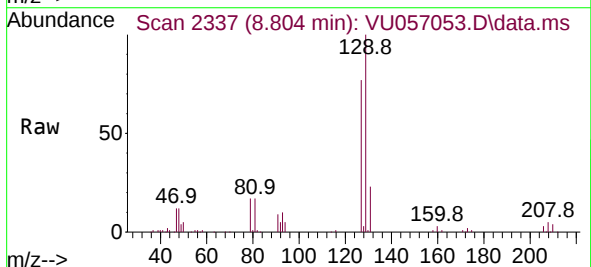


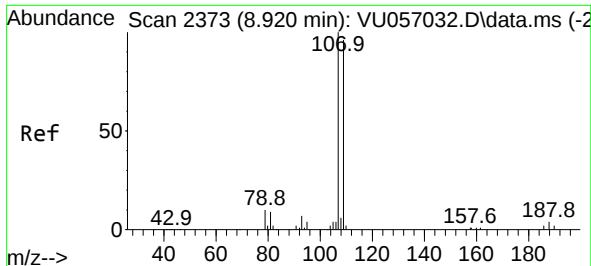
Tgt Ion: 43 Resp: 275899
Ion Ratio Lower Upper
43 100
58 61.8 47.5 71.3
57 21.8 17.0 25.4
100 13.5 9.8 14.8



#49
Dibromochloromethane
Concen: 5.038 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU057053.D
Acq: 19 Dec 2023 18:47

Tgt Ion:129 Resp: 71421
Ion Ratio Lower Upper
129 100
127 76.9 53.9 100.1





#50

1,2-Dibromoethane

Concen: 4.788 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

Instrument :

MSVOA_U

ClientSampleId :

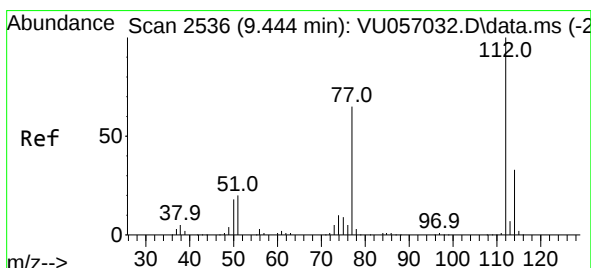
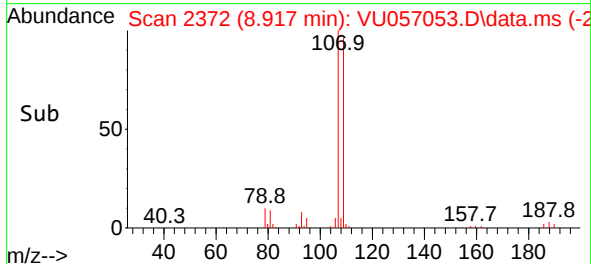
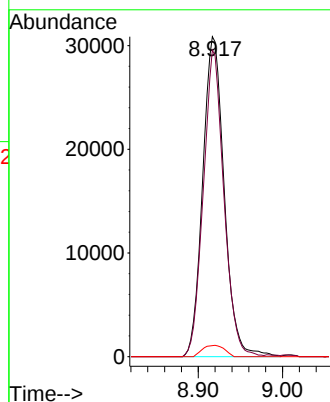
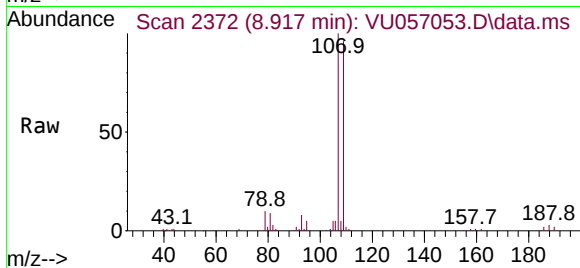
Tgt Ion:107 Resp: 54813

Ion Ratio Lower Upper

107 100

109 95.8 66.5 123.5

188 3.4 2.9 4.3



#51

Chlorobenzene

Concen: 4.693 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

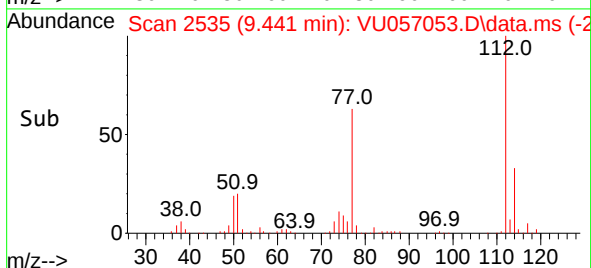
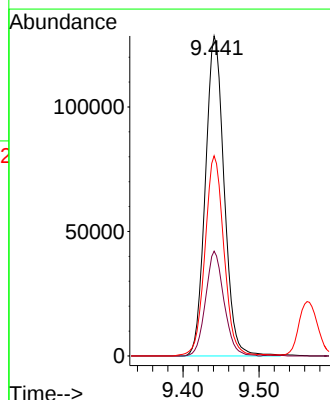
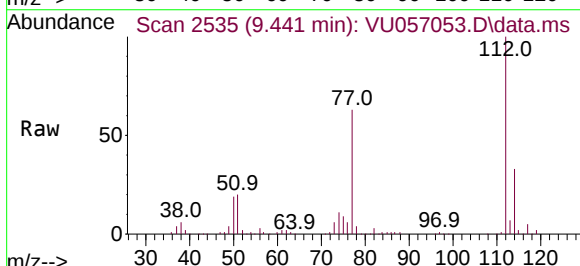
Tgt Ion:112 Resp: 220734

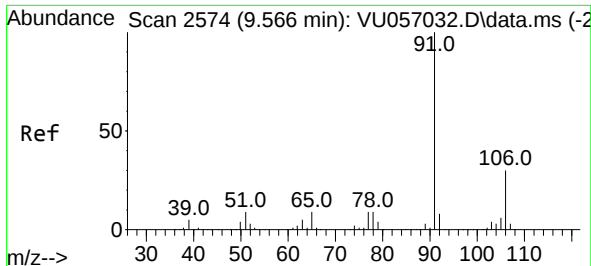
Ion Ratio Lower Upper

112 100

114 32.8 21.9 40.7

77 62.5 51.6 77.4

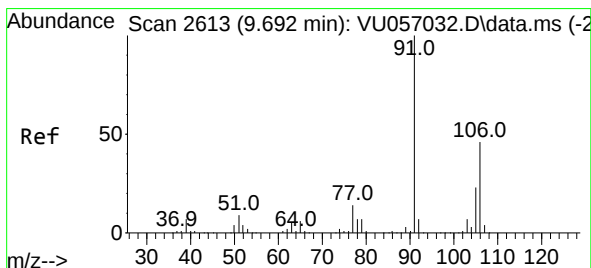
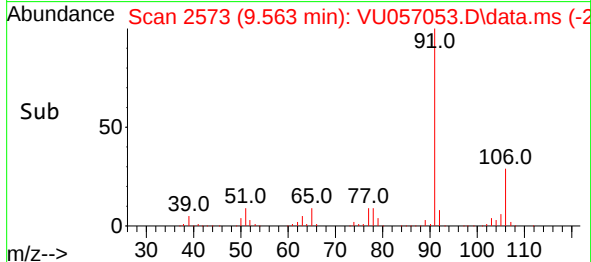
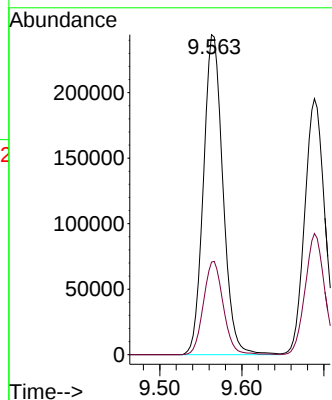
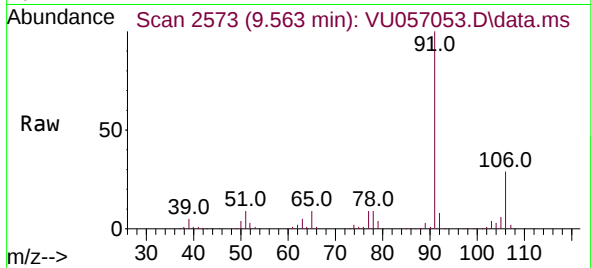




#52
Ethylbenzene
Concen: 4.946 ug/L
RT: 9.563 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057053.D
Acq: 19 Dec 2023 18:47

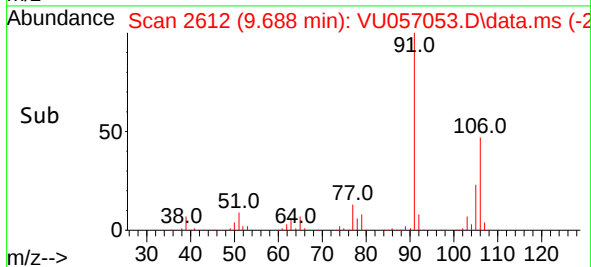
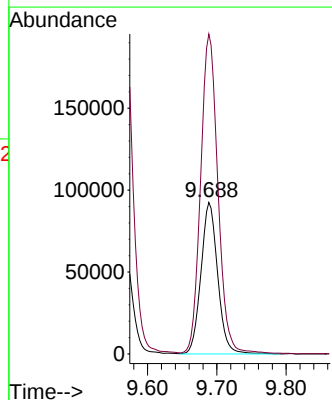
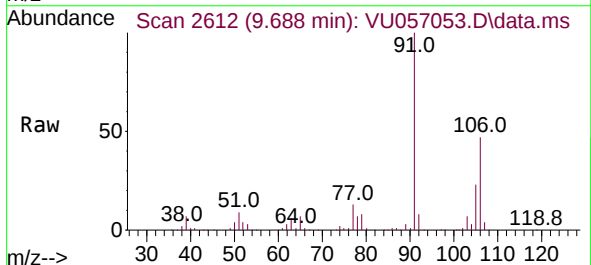
Instrument :
MSVOA_U
ClientSampleId :

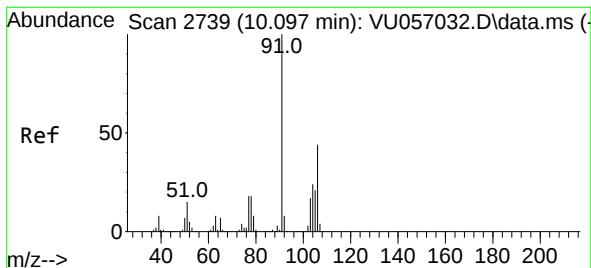
Tgt Ion: 91 Resp: 402626
Ion Ratio Lower Upper
91 100
106 28.9 20.6 38.4



#53
m,p-Xylene
Concen: 5.123 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU057053.D
Acq: 19 Dec 2023 18:47

Tgt Ion: 106 Resp: 155375
Ion Ratio Lower Upper
106 100
91 211.2 154.0 286.0





#54

o-Xylene

Concen: 4.921 ug/L

RT: 10.094 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

Instrument :

MSVOA_U

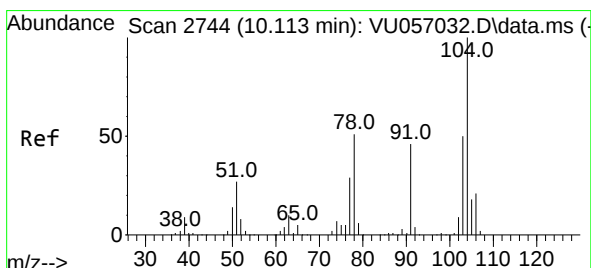
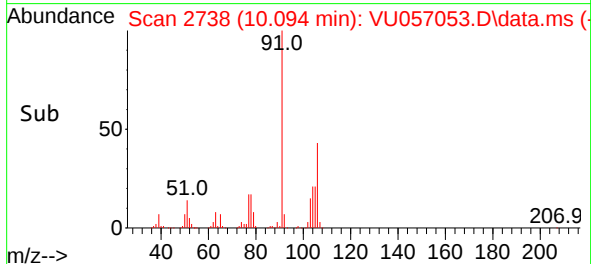
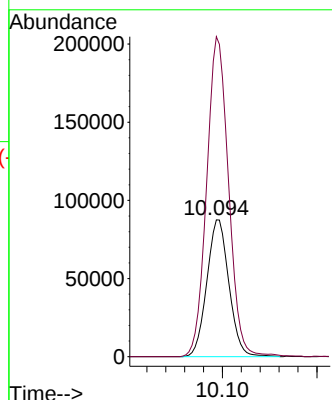
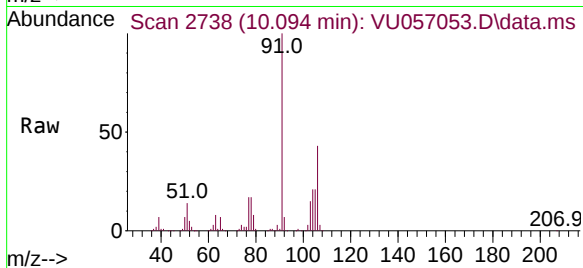
ClientSampleId :

Tgt Ion:106 Resp: 142191

Ion Ratio Lower Upper

106 100

91 234.0 160.2 297.6



#55

Styrene

Concen: 5.045 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.003 min

Lab File: VU057053.D

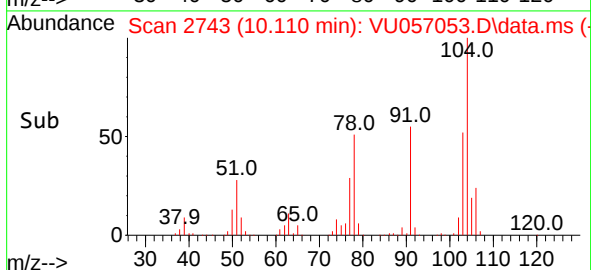
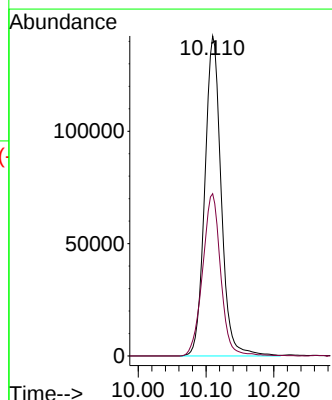
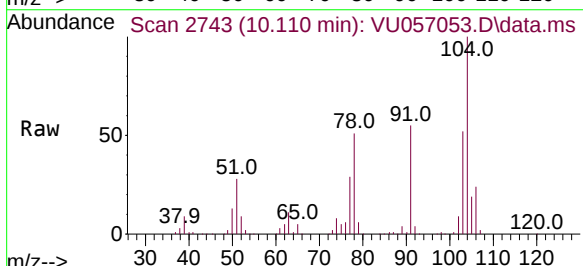
Acq: 19 Dec 2023 18:47

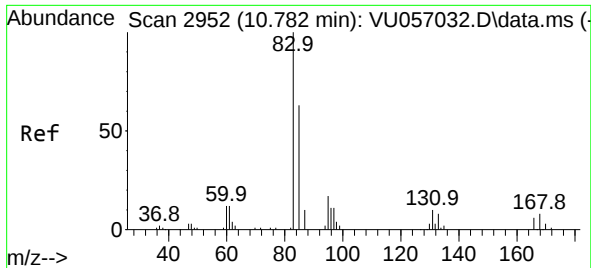
Tgt Ion:104 Resp: 239351

Ion Ratio Lower Upper

104 100

78 50.7 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 4.809 ug/L

RT: 10.775 min Scan# 2952

Delta R.T. -0.006 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

Instrument :

MSVOA_U

ClientSampleId :

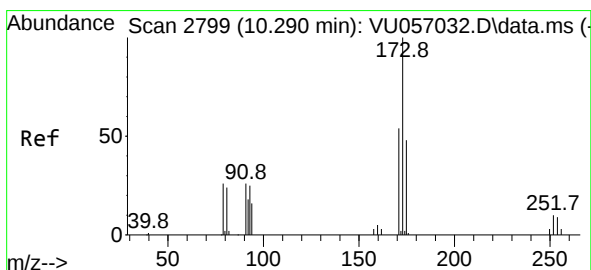
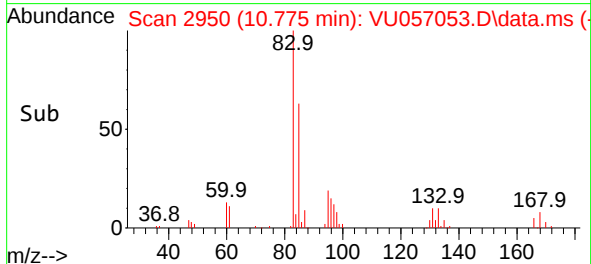
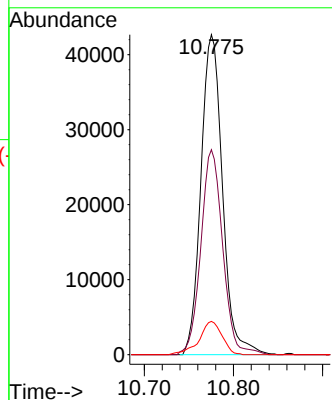
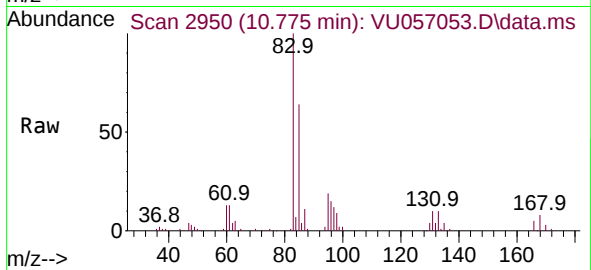
Tgt Ion: 83 Resp: 71652

Ion Ratio Lower Upper

83 100

85 64.1 45.4 84.4

131 10.4 6.6 9.8#



#59

Bromoform

Concen: 4.666 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.006 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

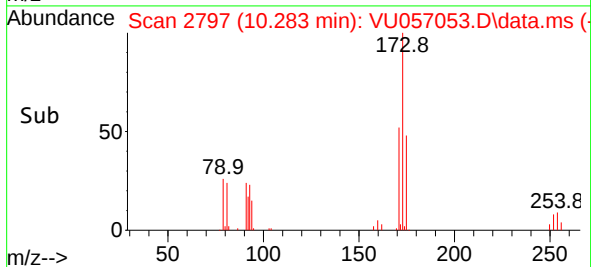
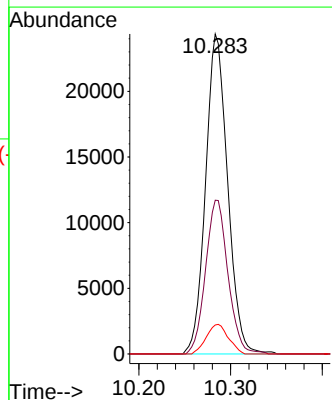
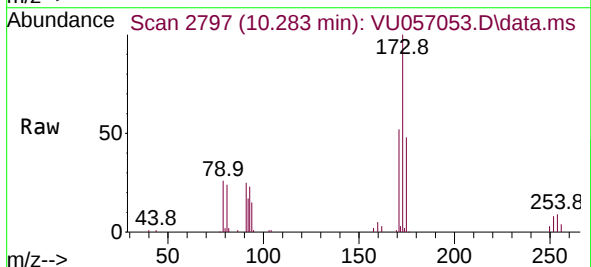
Tgt Ion:173 Resp: 40675

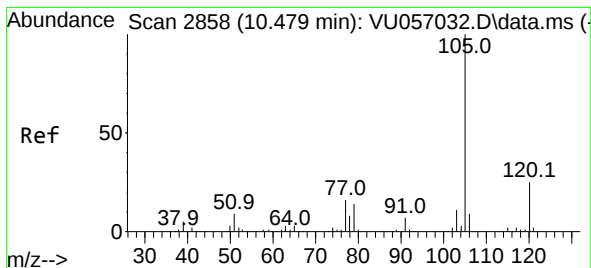
Ion Ratio Lower Upper

173 100

175 48.8 38.2 57.2

254 9.3 7.0 10.4





#60

Isopropylbenzene

Concen: 4.534 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU057053.D

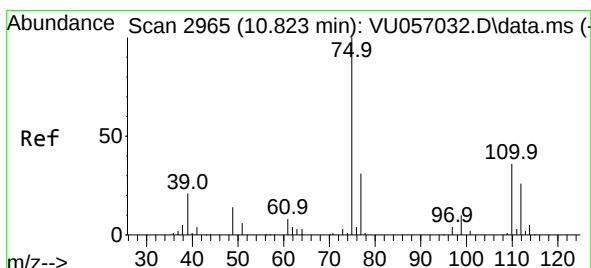
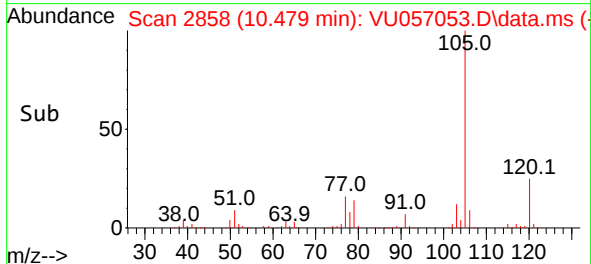
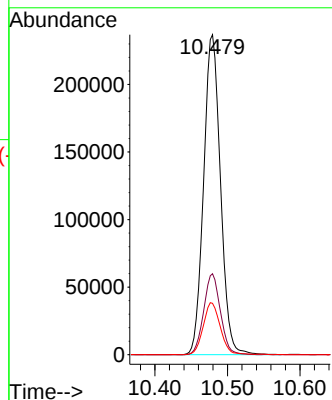
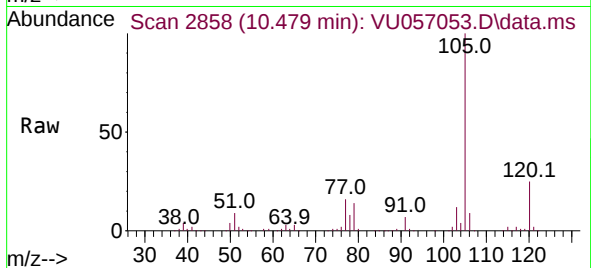
Acq: 19 Dec 2023 18:47

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	382414
Ion Ratio	Lower	Upper	
105	100		
120	25.1	20.1	30.1
77	16.4	13.2	19.8



#61

1,2,3-Trichloropropane

Concen: 4.321 ug/L

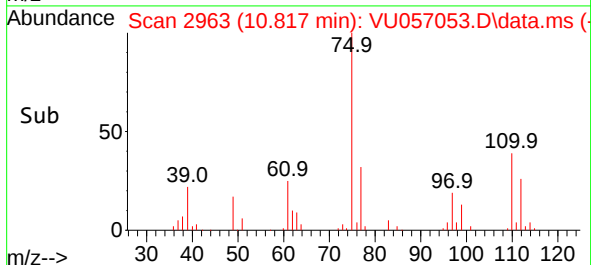
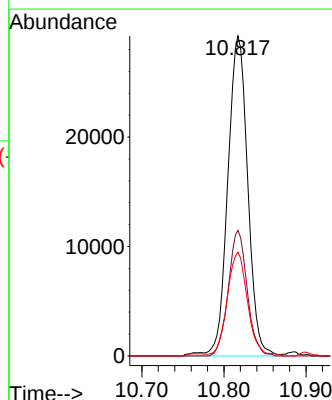
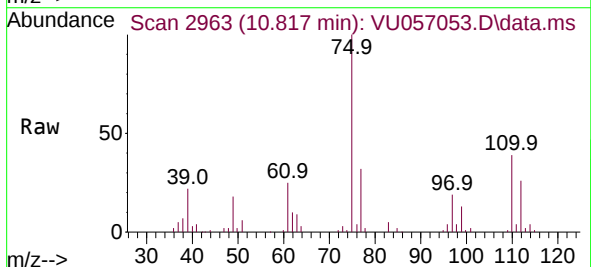
RT: 10.817 min Scan# 2963

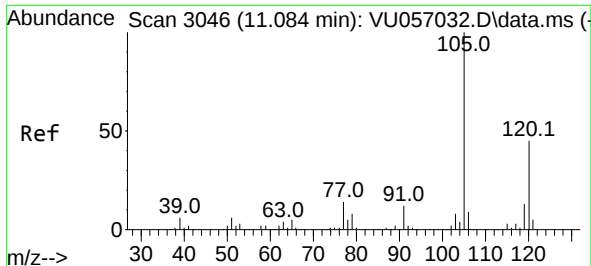
Delta R.T. -0.006 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

Tgt Ion:	75	Resp:	49528
Ion Ratio	Lower	Upper	
75	100		
110	37.0	28.4	42.6
77	33.0	26.3	39.5





#62

1,3,5-Trimethylbenzene

Concen: 4.503 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

Instrument :

MSVOA_U

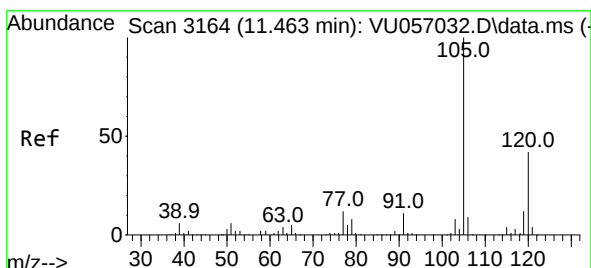
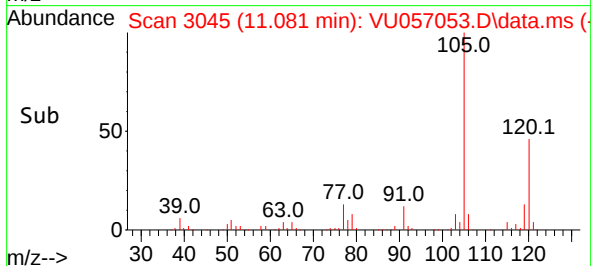
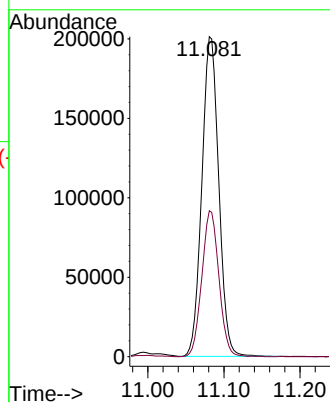
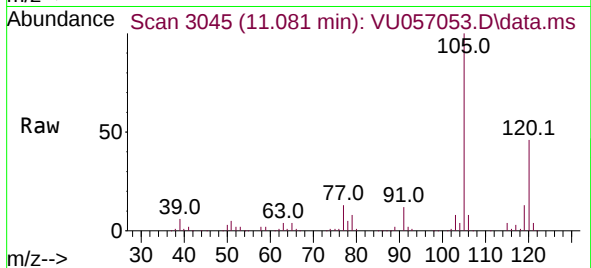
ClientSampleId :

Tgt Ion:105 Resp: 310437

Ion Ratio Lower Upper

105 100

120 46.1 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 4.651 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU057053.D

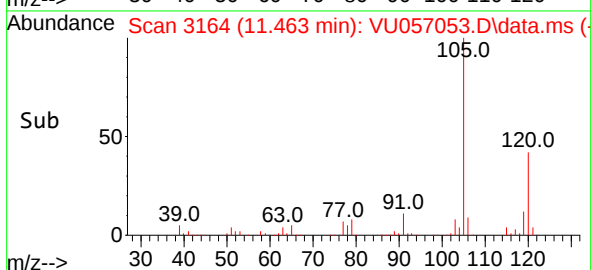
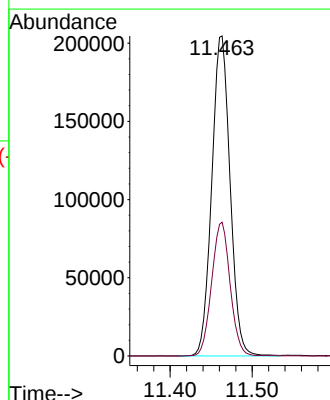
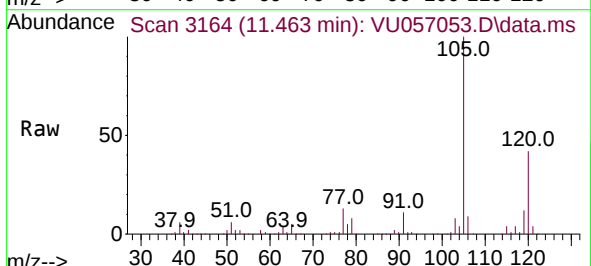
Acq: 19 Dec 2023 18:47

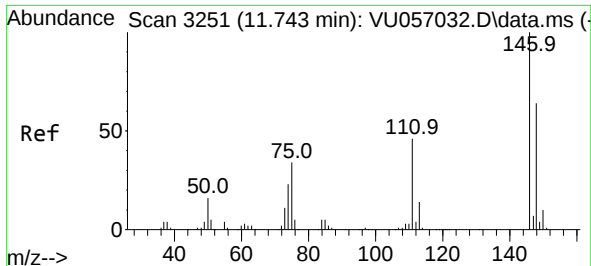
Tgt Ion:105 Resp: 318425

Ion Ratio Lower Upper

105 100

120 42.2 34.2 51.4

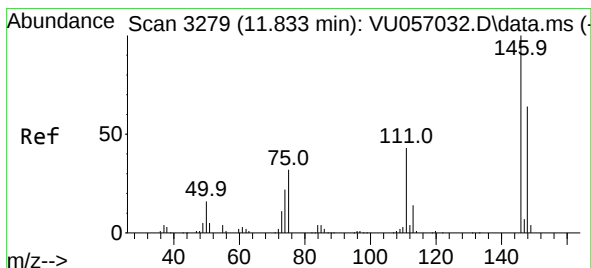
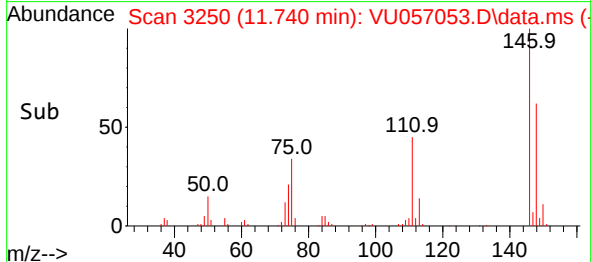
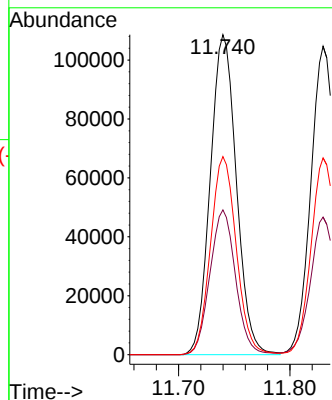
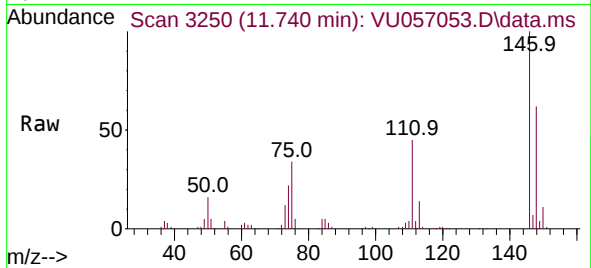




#64
1,3-Dichlorobenzene
Concen: 4.423 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU057053.D
Acq: 19 Dec 2023 18:47

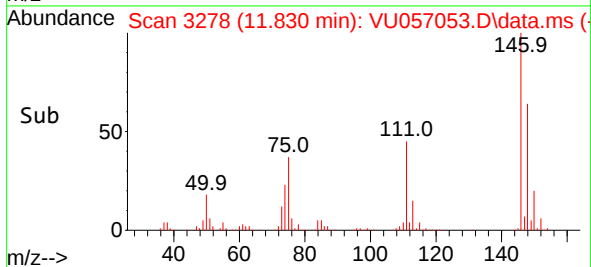
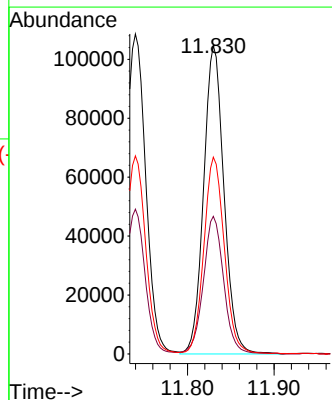
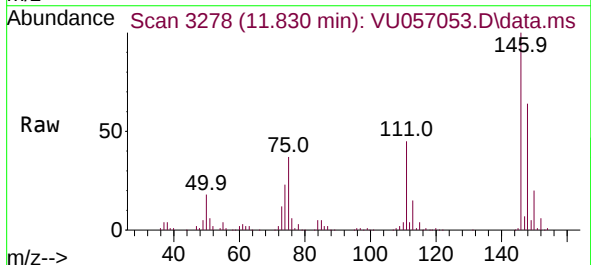
Instrument :
MSVOA_U
ClientSampleId :

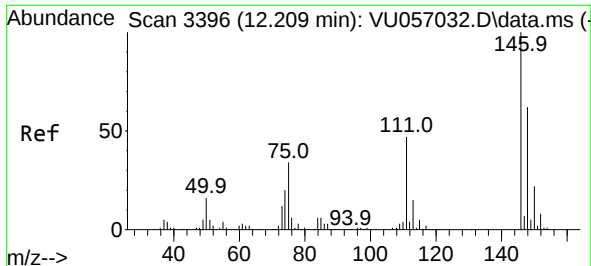
Tgt Ion:146 Resp: 176493
Ion Ratio Lower Upper
146 100
111 45.3 31.7 58.9
148 61.9 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.349 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU057053.D
Acq: 19 Dec 2023 18:47

Tgt Ion:146 Resp: 170866
Ion Ratio Lower Upper
146 100
111 44.6 31.2 58.0
148 63.8 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 4.359 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

Instrument :

MSVOA_U

ClientSampleId :

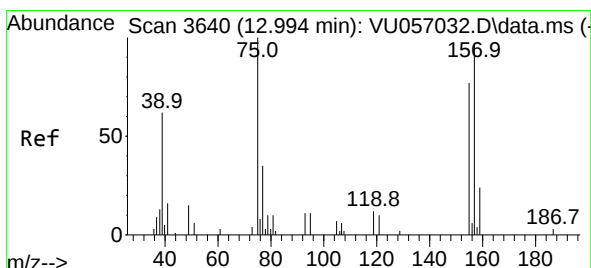
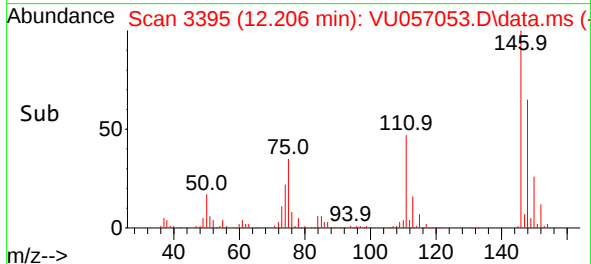
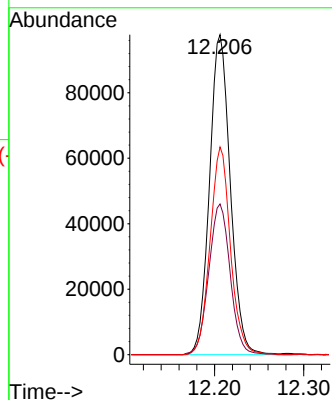
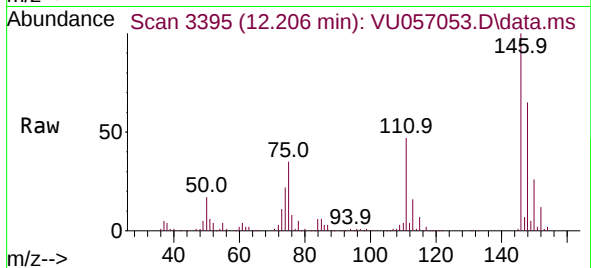
Tgt Ion:146 Resp: 158443

Ion Ratio Lower Upper

146 100

111 47.1 36.9 55.3

148 64.9 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.709 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

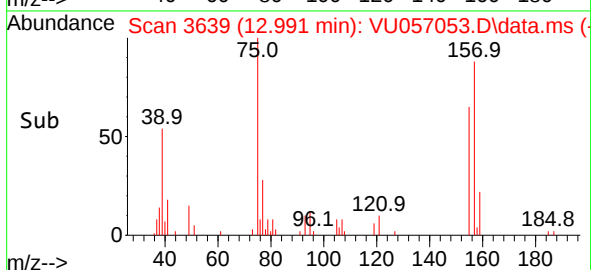
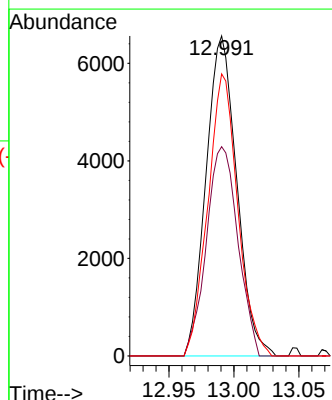
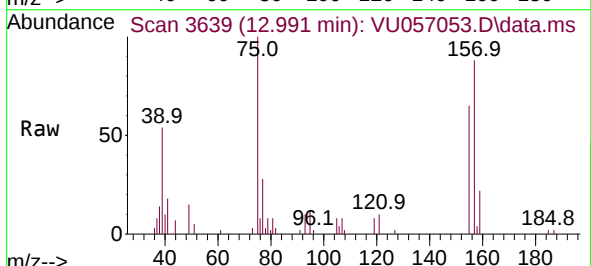
Tgt Ion: 75 Resp: 10776

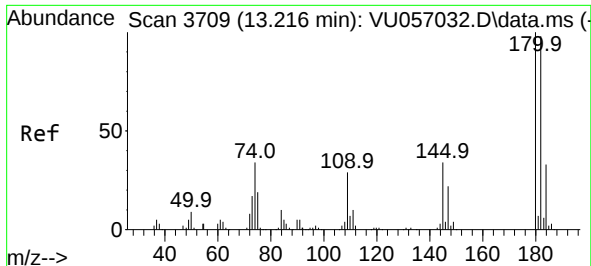
Ion Ratio Lower Upper

75 100

155 65.4 55.4 83.2

157 88.1 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 4.151 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.003 min

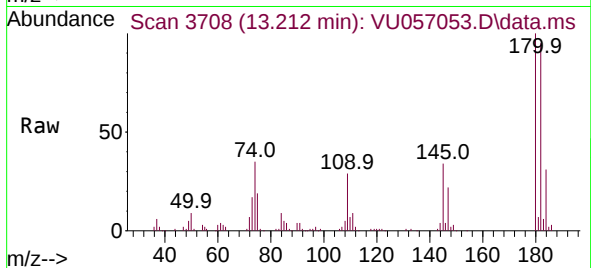
Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 125147

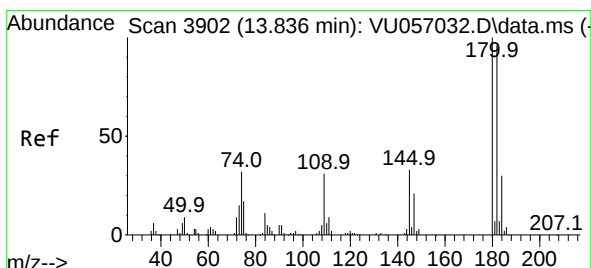
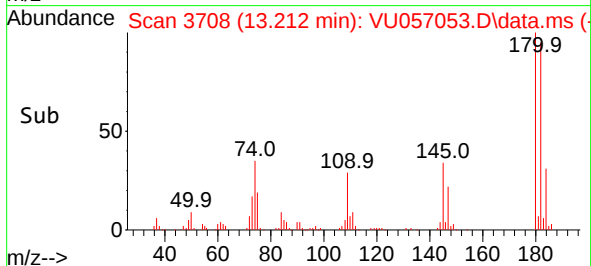
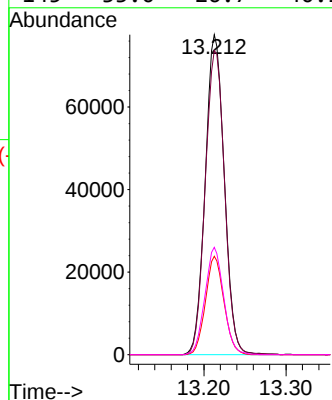
Ion Ratio Lower Upper

180 100

182 96.6 76.2 114.4

184 29.7 24.6 37.0

145 33.0 26.7 40.1



#70

1,2,4-trichlorobenzene

Concen: 3.856 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

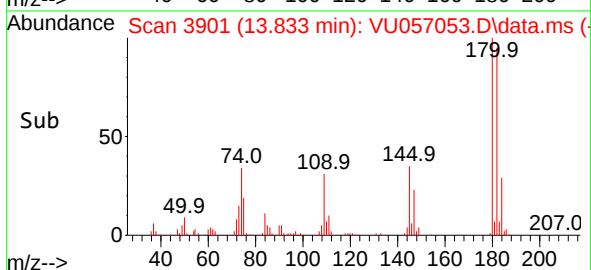
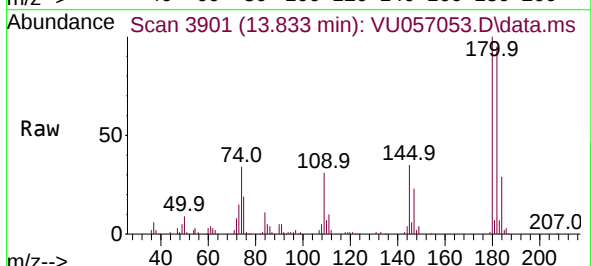
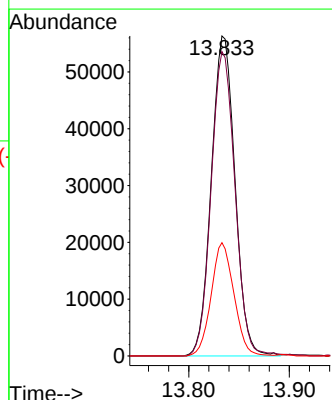
Tgt Ion:180 Resp: 92064

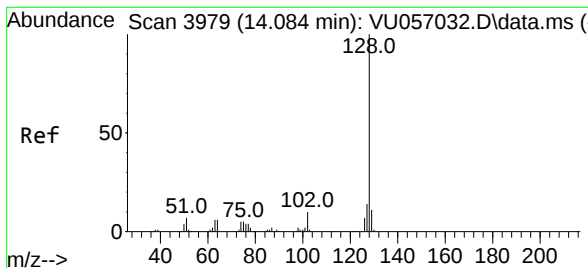
Ion Ratio Lower Upper

180 100

182 96.0 74.3 111.5

145 34.1 26.7 40.1





#71

Naphthalene

Concen: 3.298 ug/L

RT: 14.081 min Scan# 3979

Delta R.T. -0.003 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

Instrument :

MSVOA_U

ClientSampleId :

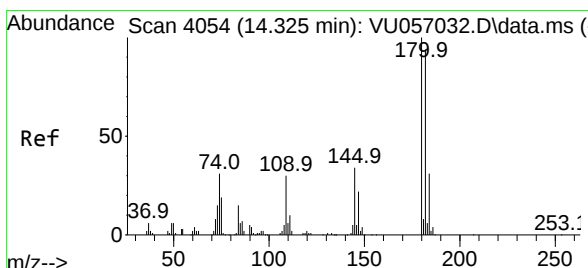
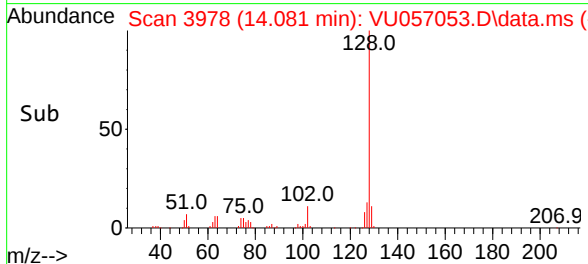
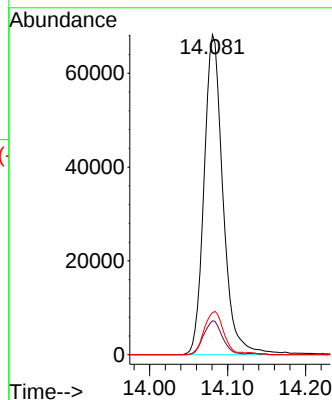
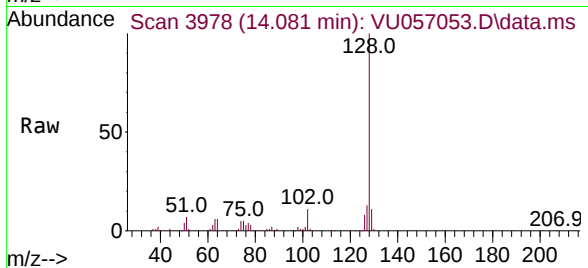
Tgt Ion:128 Resp: 115238

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

127 13.8 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 3.723 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU057053.D

Acq: 19 Dec 2023 18:47

Tgt Ion:180 Resp: 75457

Ion Ratio Lower Upper

180 100

182 95.8 75.0 112.6

145 36.1 28.6 42.8

