

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056799.D
 Acq On : 12 Dec 2023 20:34
 Operator : MD/SY
 Sample : 05683-03MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 13 00:37:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 00:30:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	256422	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	249814	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	130061	5.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	90374	4.112	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.200%
7) Chloroethane-d5	1.907	69	67705	4.116	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.400%
11) 1,1-Dichloroethene-d2	2.563	65	40323	4.288	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.800%
20) 2-Butanone-d5	4.615	46	224114	51.631	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.260%
24) Chloroform-d	5.055	84	230363	5.535	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.600%
26) 1,2-Dichloroethane-d4	5.692	65	97630	4.957	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	5.721	84	385140	4.970	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
36) 1,2-Dichloropropane-d6	6.682	67	121107	4.994	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.800%
41) Toluene-d8	7.894	98	337160	4.868	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.400%
43) trans-1,3-Dichloroprop...	8.174	79	46778	4.974	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.400%
46) 2-Hexanone-d5	8.627	63	203162	57.273	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.540%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	92945	5.297	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	130080	5.088	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	127408	4.742	ug/L	96
3) Chloromethane	1.515	50	128273	4.855	ug/L	98
5) Vinyl chloride	1.602	62	131072	4.996	ug/L	97
6) Bromomethane	1.853	94	69138	4.469	ug/L	95
8) Chloroethane	1.930	64	70286	4.573	ug/L	95
9) Trichlorofluoromethane	2.136	101	184216	4.982	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	110378	4.867	ug/L	99
12) 1,1-Dichloroethene	2.576	96	101651	4.883	ug/L	94
13) Acetone	2.627	43	127752	48.295	ug/L	99
14) Carbon disulfide	2.788	76	345470	4.783	ug/L	100
15) Methyl Acetate	2.946	43	32941	4.575	ug/L	98
16) Methylene chloride	3.039	84	110577	4.875	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	236138	5.116	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	106165	5.030	ug/L	98
19) 1,1-Dichloroethane	3.862	63	206131	5.077	ug/L	100
21) 2-Butanone	4.698	43	218464	48.973	ug/L	100
22) cis-1,2-Dichloroethene	4.660	96	125362	5.459	ug/L	99
23) Bromochloromethane	4.965	128	48161	5.010	ug/L	98
25) Chloroform	5.078	83	786366	18.488	ug/L	100

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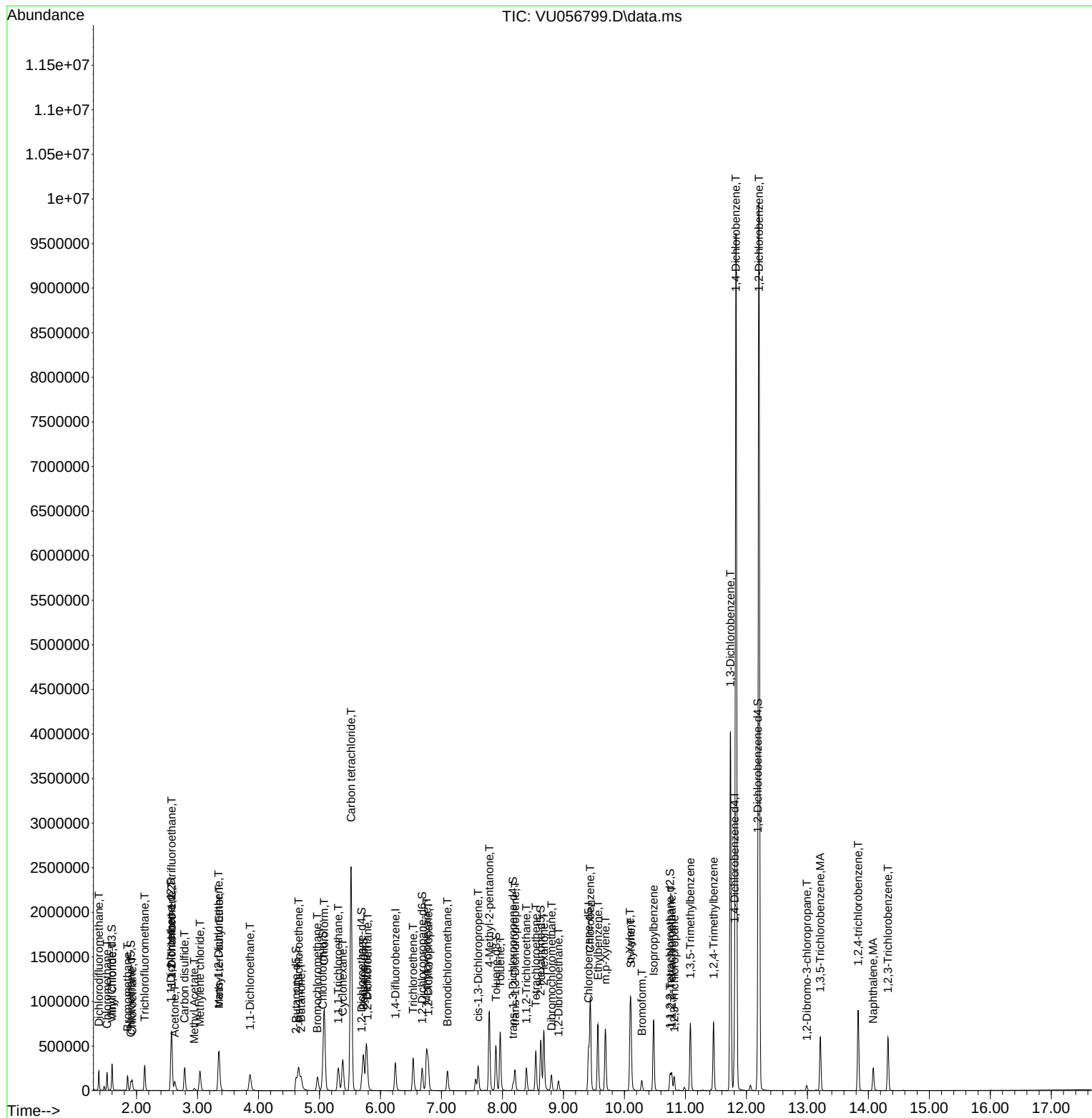
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	125073	4.972	ug/L	100
29) 1,1,1-Trichloroethane	5.309	97	190518	5.276	ug/L	99
30) Cyclohexane	5.383	56	171982	5.075	ug/L	96
31) Carbon tetrachloride	5.518	117	1768936	56.361	ug/L	100
33) Benzene	5.769	78	459753	5.237	ug/L	100
34) Trichloroethene	6.537	95	130828	5.432	ug/L	97
35) Methylcyclohexane	6.756	83	173477	4.881	ug/L	98
37) 1,2-Dichloropropane	6.785	63	119825	5.335	ug/L	100
38) Bromodichloromethane	7.100	83	148248	5.176	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	170394	5.206	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	559162	52.433	ug/L	98
42) Toluene	7.965	91	480383	5.288	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	139006	5.182	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	78601	5.177	ug/L	98
47) Tetrachloroethene	8.547	164	93829	5.567	ug/L	99
48) 2-Hexanone	8.679	43	418411	55.088	ug/L	99
49) Dibromochloromethane	8.804	129	87751	5.028	ug/L	95
50) 1,2-Dibromoethane	8.920	107	72880	5.172	ug/L	98
51) Chlorobenzene	9.441	112	548403	9.472	ug/L	99
52) Ethylbenzene	9.566	91	523906	5.228	ug/L	98
53) m,p-Xylene	9.688	106	199694	5.349	ug/L	96
54) o-Xylene	10.093	106	187619	5.275	ug/L	99
55) Styrene	10.110	104	319746	5.475	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	97583	5.320	ug/L	97
59) Bromoform	10.286	173	51540	4.853	ug/L	99
60) Isopropylbenzene	10.479	105	511508	4.978	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	66056	4.730	ug/L	96
62) 1,3,5-Trimethylbenzene	11.081	105	417090	4.966	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	417121	5.001	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	1568823	32.274	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	3738736	78.112	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	3830690	86.507	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	15859	5.688	ug/L	91
69) 1,3,5-Trichlorobenzene	13.212	180	180370	4.911	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	267158	9.185	ug/L	99
71) Naphthalene	14.080	128	209353	4.919	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	172334	6.979	ug/L	98

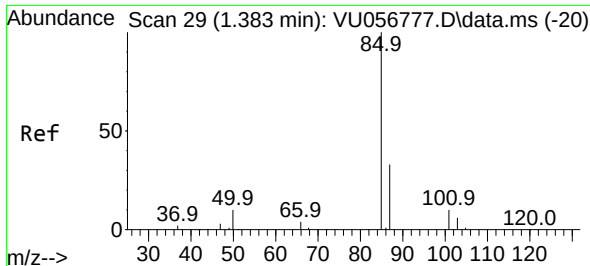
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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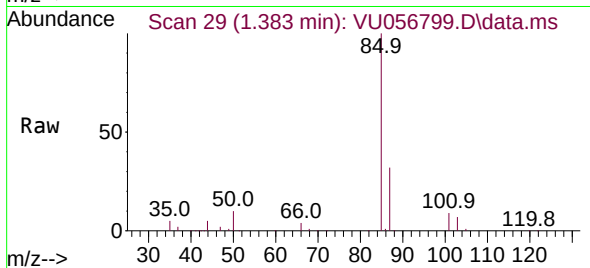
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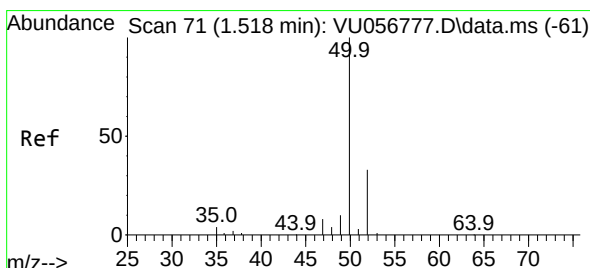
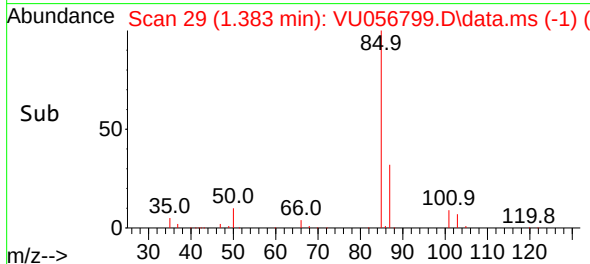
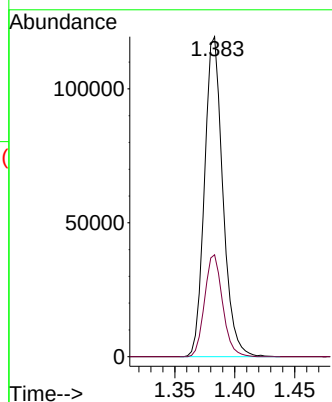


#2
Dichlorodifluoromethane
Concen: 4.742 ug/L
RT: 1.383 min Scan# 29
Delta R.T. -0.000 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

Instrument :
MSVOA_U
ClientSampleId :

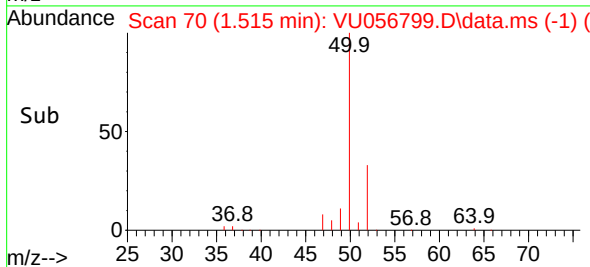
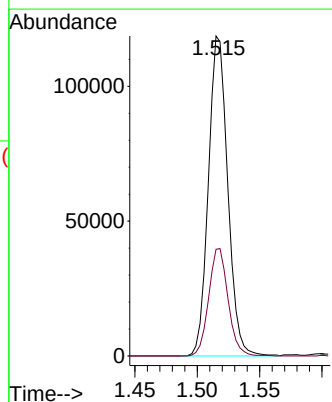
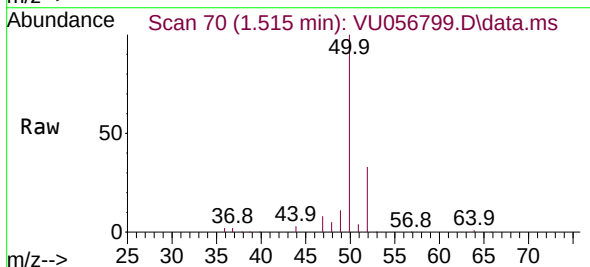


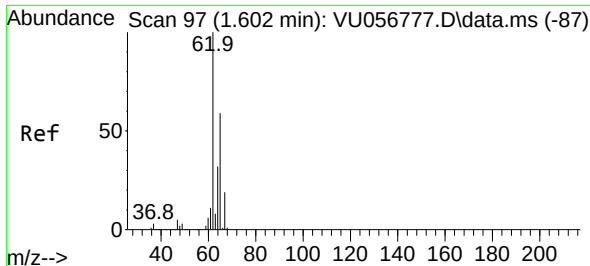
Tgt Ion: 85 Resp: 127408
Ion Ratio Lower Upper
85 100
87 31.2 26.8 40.2



#3
Chloromethane
Concen: 4.855 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

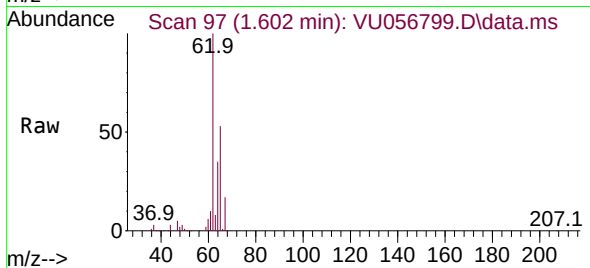
Tgt Ion: 50 Resp: 128273
Ion Ratio Lower Upper
50 100
52 33.4 22.5 41.7



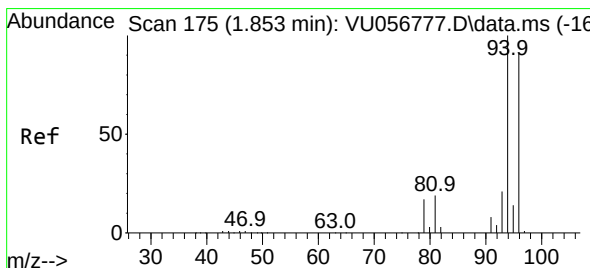
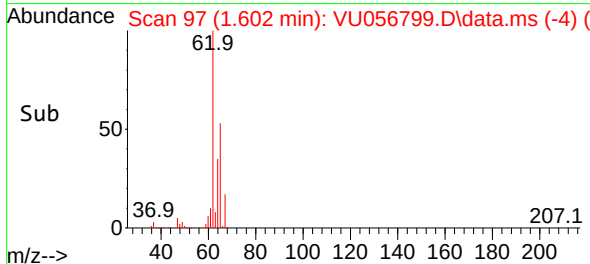
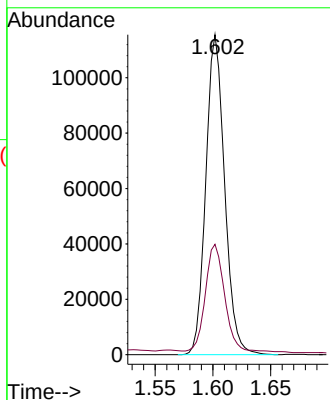


#5
 Vinyl chloride
 Concen: 4.996 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU056799.D
 Acq: 12 Dec 2023 20:34

Instrument :
 MSVOA_U
 ClientSampleId :

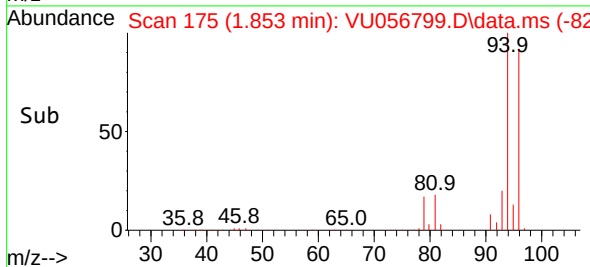
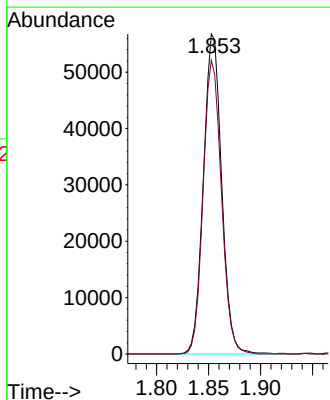
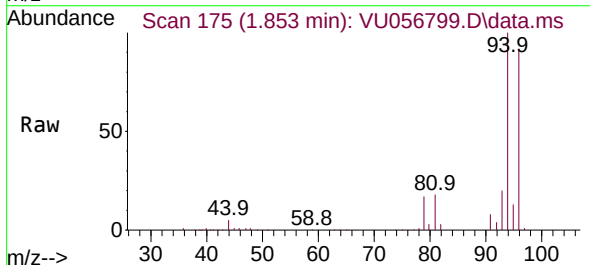


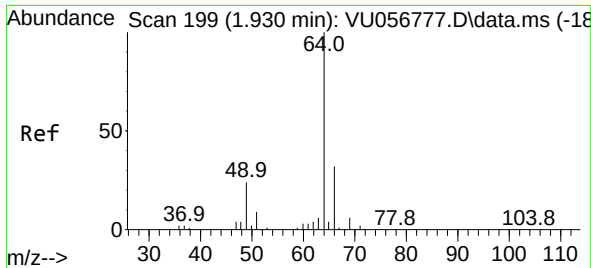
Tgt Ion: 62 Resp: 131072
 Ion Ratio Lower Upper
 62 100
 64 34.5 22.8 42.4



#6
 Bromomethane
 Concen: 4.469 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.000 min
 Lab File: VU056799.D
 Acq: 12 Dec 2023 20:34

Tgt Ion: 94 Resp: 69138
 Ion Ratio Lower Upper
 94 100
 96 91.8 67.8 125.8

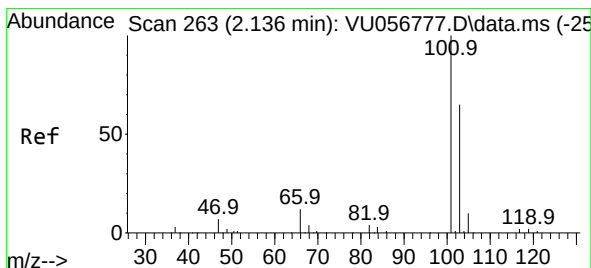
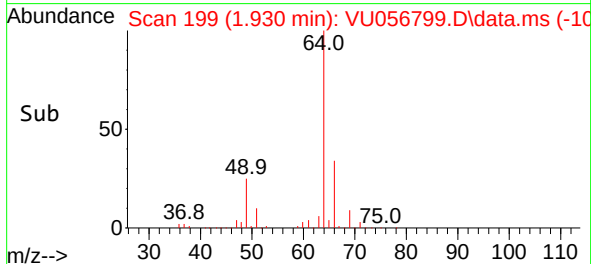
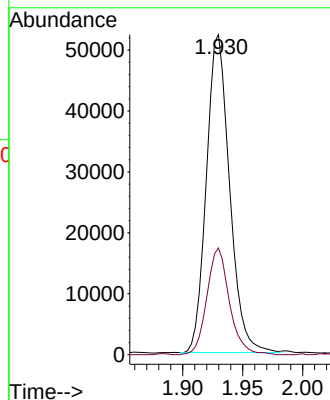
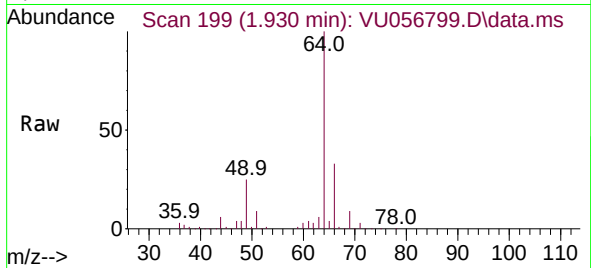




#8
Chloroethane
Concen: 4.573 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

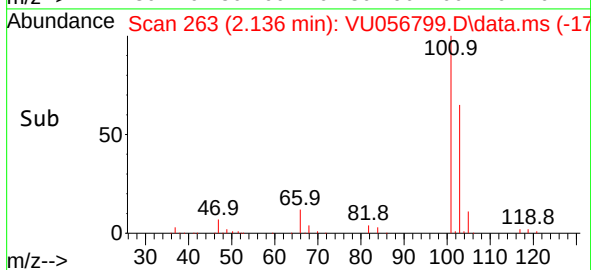
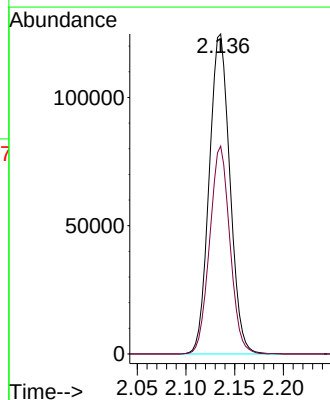
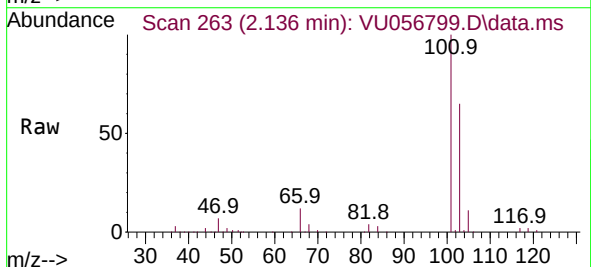
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MSVOA_U
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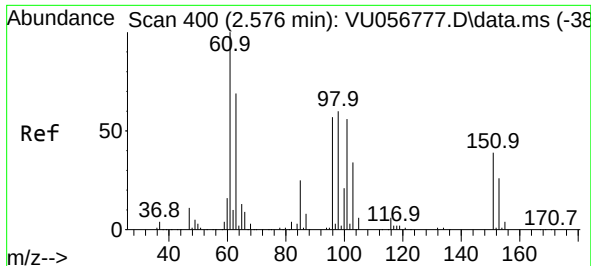
Tgt Ion: 64 Resp: 70286
Ion Ratio Lower Upper
64 100
66 33.3 21.4 39.8



#9
Trichlorofluoromethane
Concen: 4.982 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

Tgt Ion:101 Resp: 184216
Ion Ratio Lower Upper
101 100
103 63.5 51.4 77.2





#10

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

Concen: 4.867 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU056799.D

Acq: 12 Dec 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

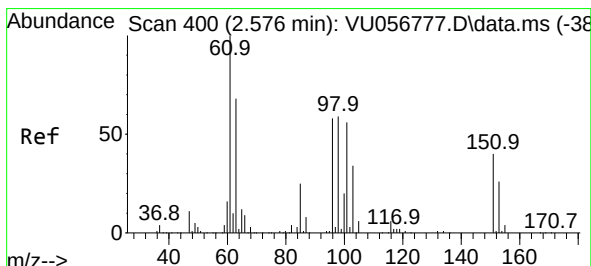
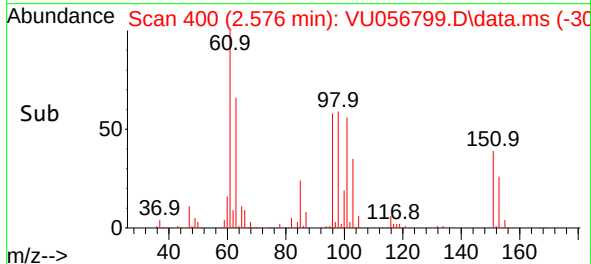
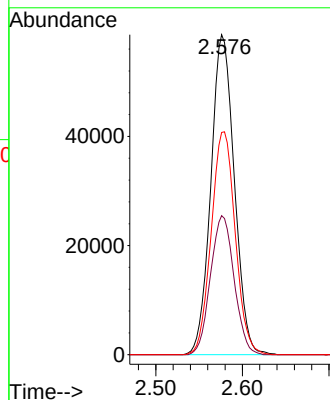
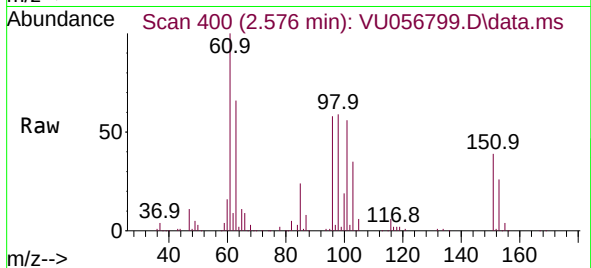
Tgt Ion:101 Resp: 110378

Ion Ratio Lower Upper

101 100

85 43.7 35.2 52.8

151 71.3 56.0 84.0



#12

1,1-Dichloroethene

Concen: 4.883 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU056799.D

Acq: 12 Dec 2023 20:34

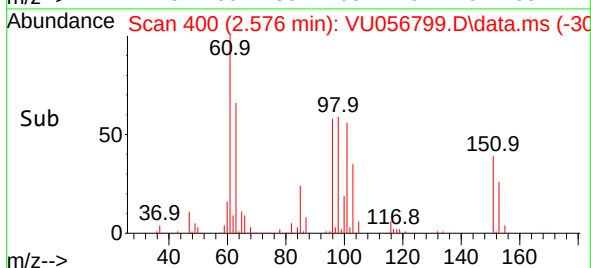
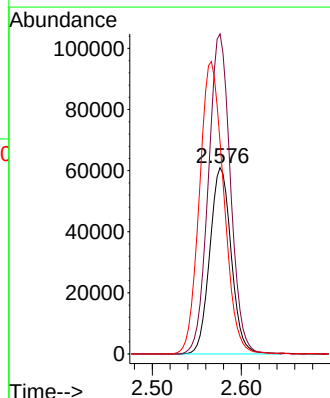
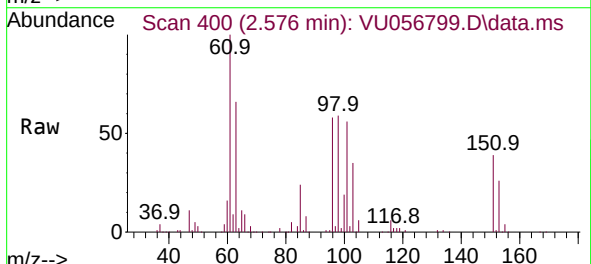
Tgt Ion: 96 Resp: 101651

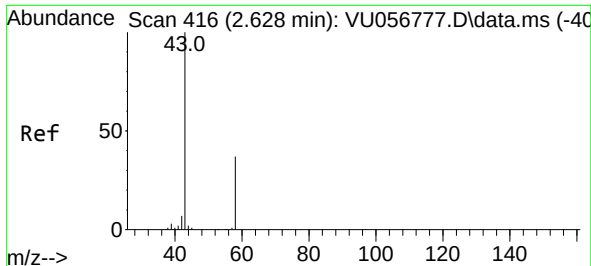
Ion Ratio Lower Upper

96 100

61 171.8 119.0 221.0

63 113.9 88.7 164.7





#13

Acetone

Concen: 48.295 ug/L

RT: 2.627 min Scan# 416

Delta R.T. -0.000 min

Lab File: VU056799.D

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MSVOA_U

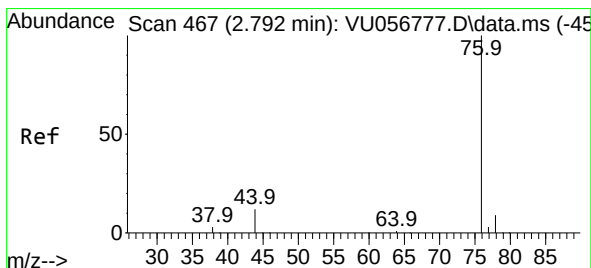
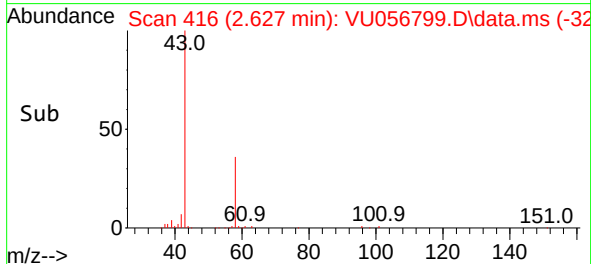
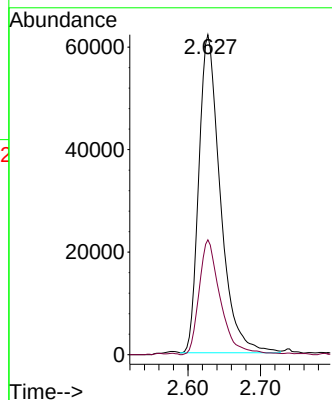
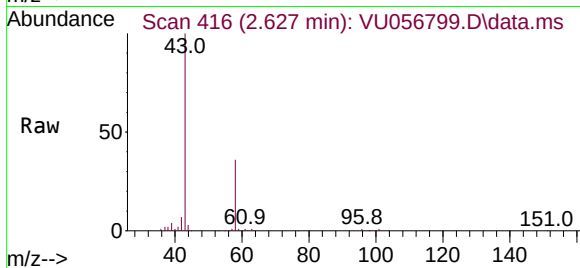
ClientSampleId :

Tgt Ion: 43 Resp: 127752

Ion Ratio Lower Upper

43 100

58 36.0 0.0 72.6



#14

Carbon disulfide

Concen: 4.783 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.003 min

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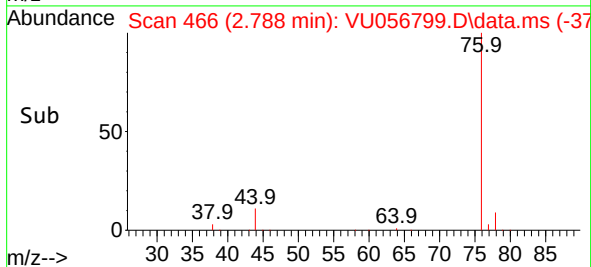
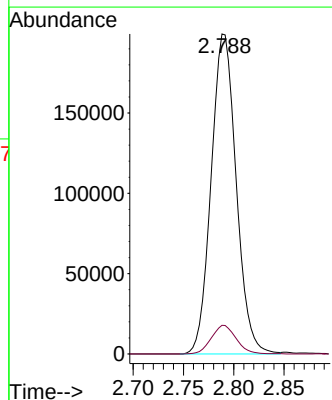
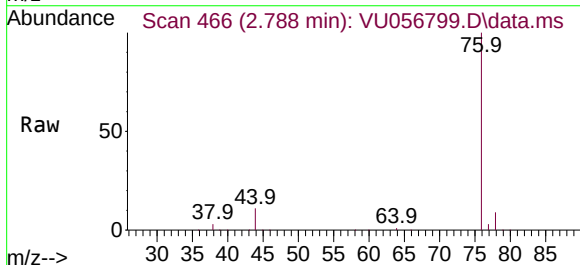
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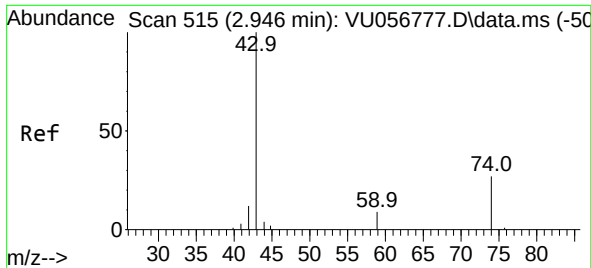
Tgt Ion: 76 Resp: 345470

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

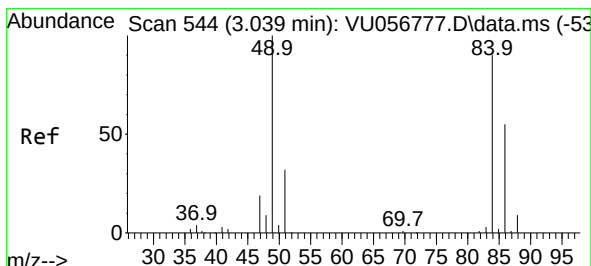
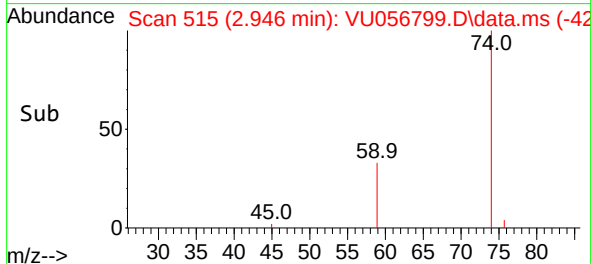
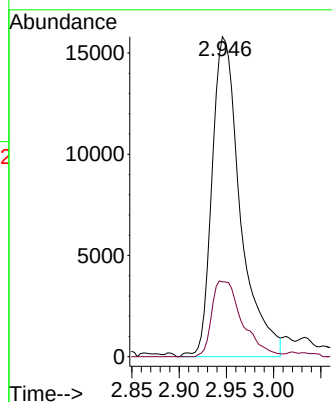
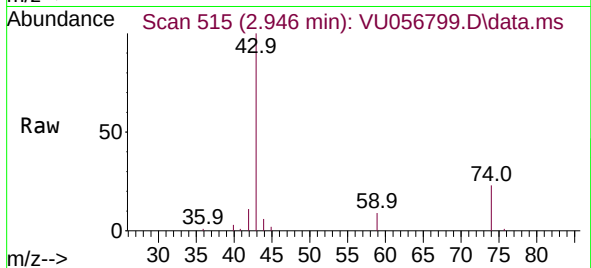




#15
Methyl Acetate
Concen: 4.575 ug/L
RT: 2.946 min Scan# 515
Delta R.T. -0.000 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

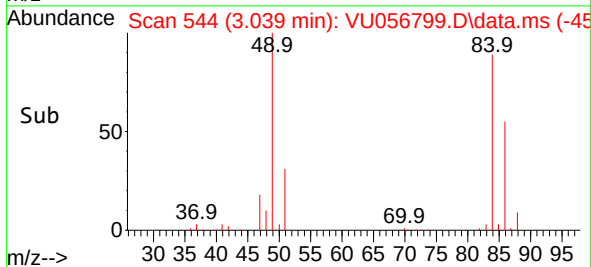
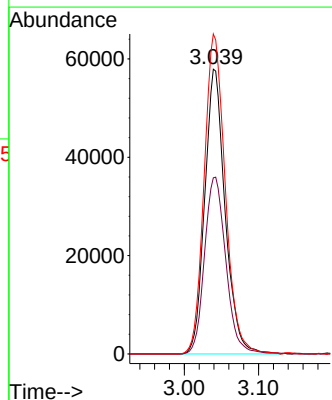
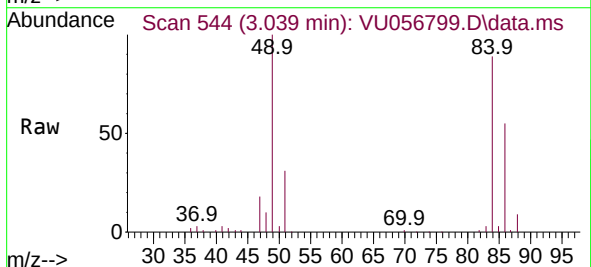
Instrument :
MSVOA_U
ClientSampleId :

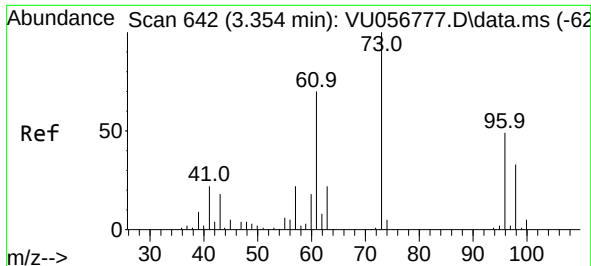
Tgt Ion: 43 Resp: 32941
Ion Ratio Lower Upper
43 100
74 25.4 21.0 31.6



#16
Methylene chloride
Concen: 4.875 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

Tgt Ion: 84 Resp: 110577
Ion Ratio Lower Upper
84 100
86 61.8 43.6 81.0
49 112.4 80.6 149.6

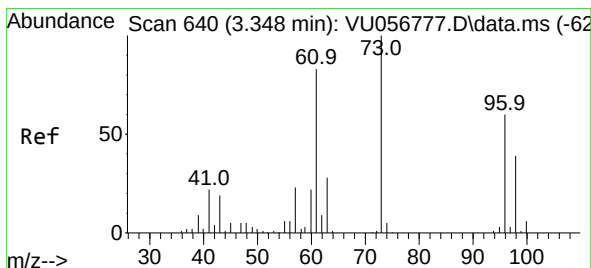
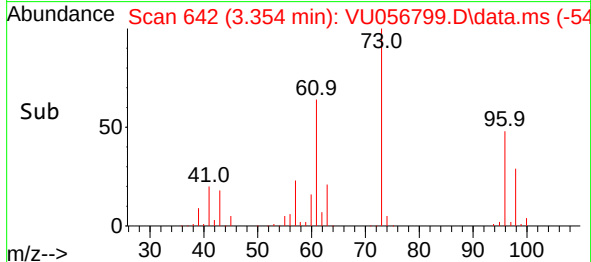
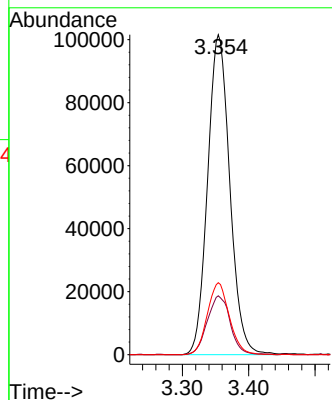
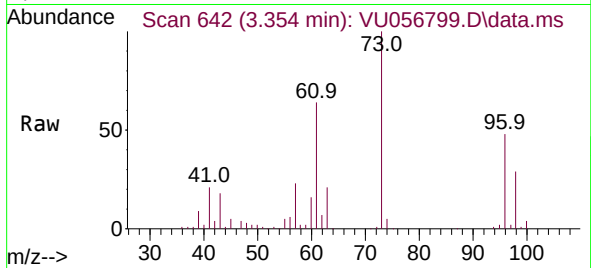




#17
Methyl tert-butyl Ether
Concen: 5.116 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

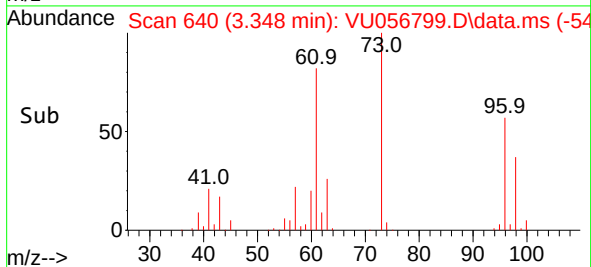
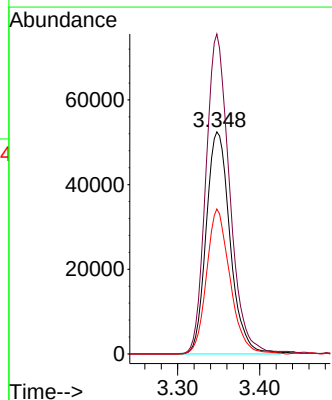
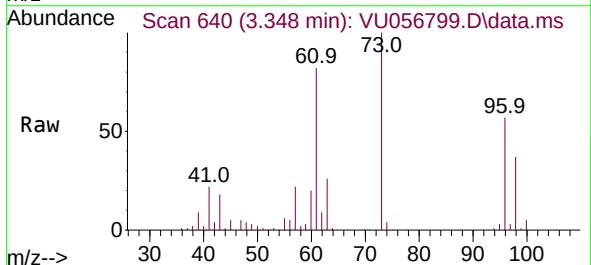
Instrument :
MSVOA_U
ClientSampleId :

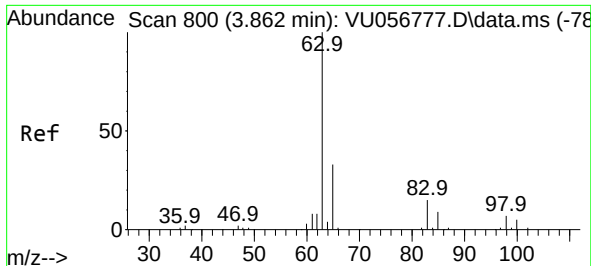
Tgt Ion: 73 Resp: 236138
Ion Ratio Lower Upper
73 100
43 18.9 14.4 21.6
57 22.3 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.030 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

Tgt Ion: 96 Resp: 106165
Ion Ratio Lower Upper
96 100
61 144.1 101.8 189.0
98 65.3 43.0 79.8





#19

1,1-Dichloroethane

Concen: 5.077 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056799.D

Acq: 12 Dec 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

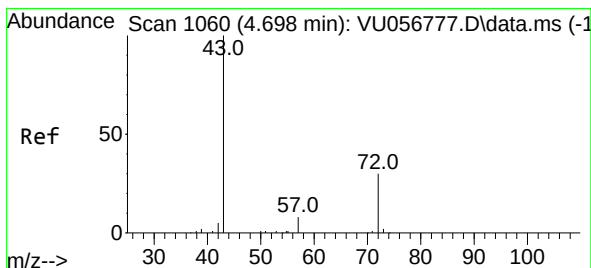
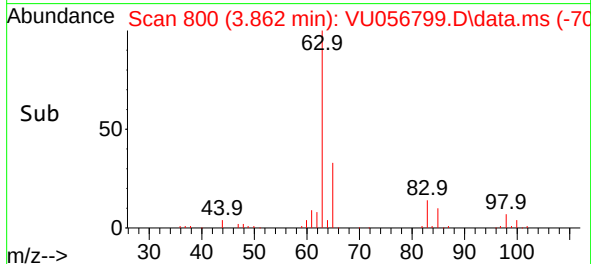
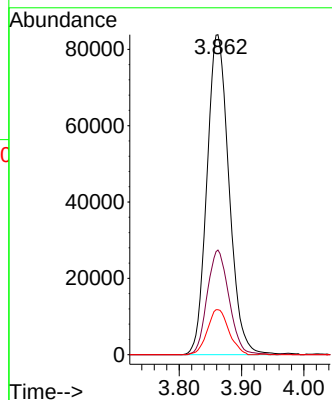
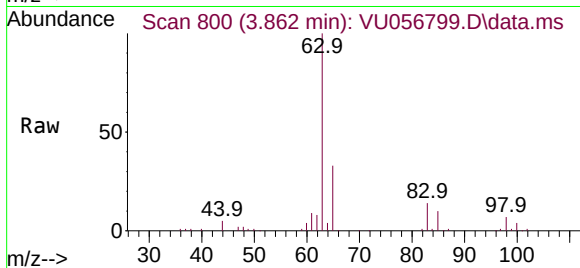
Tgt Ion: 63 Resp: 206131

Ion Ratio Lower Upper

63 100

65 32.7 22.9 42.5

83 14.1 10.1 18.9



#21

2-Butanone

Concen: 48.973 ug/L

RT: 4.698 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VU056799.D

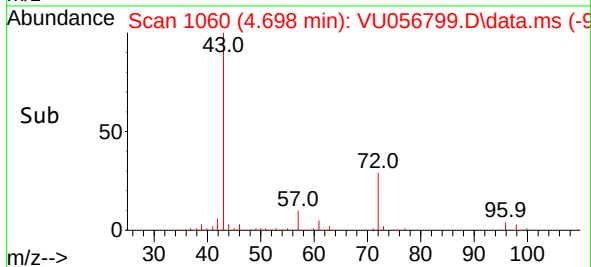
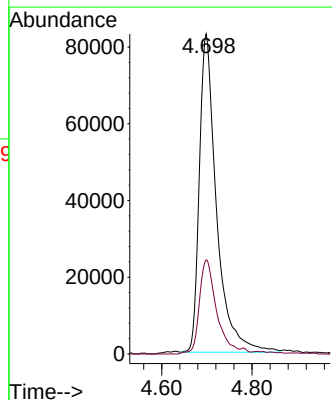
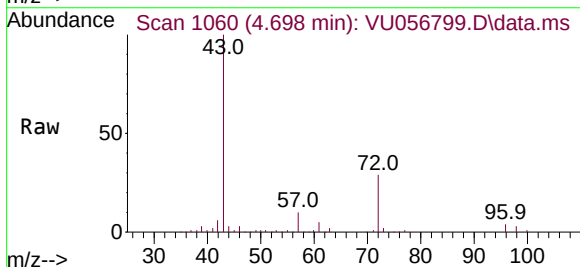
Acq: 12 Dec 2023 20:34

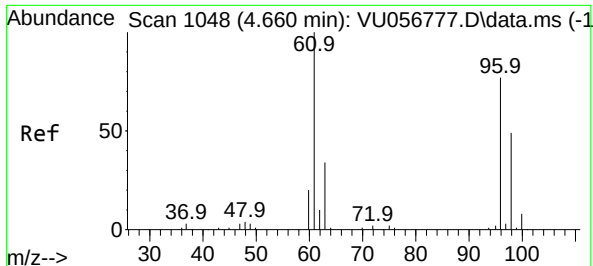
Tgt Ion: 43 Resp: 218464

Ion Ratio Lower Upper

43 100

72 29.4 14.6 43.8

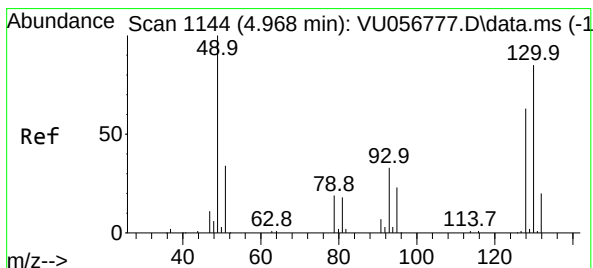
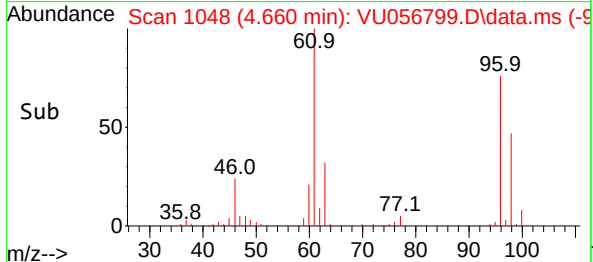
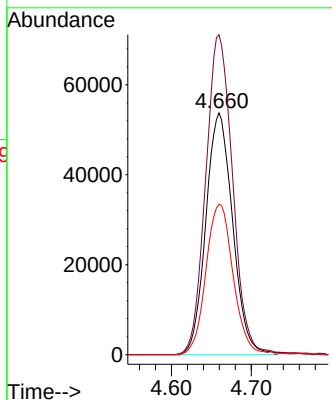
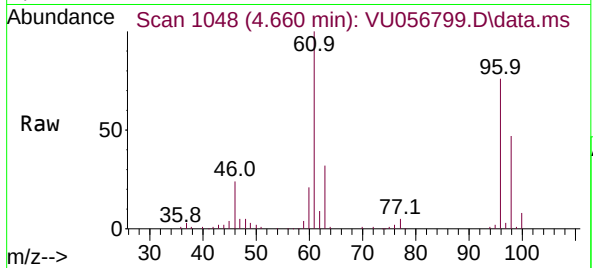




#22
 cis-1,2-Dichloroethene
 Concen: 5.459 ug/L
 RT: 4.660 min Scan# 1104
 Delta R.T. -0.000 min
 Lab File: VU056799.D
 Acq: 12 Dec 2023 20:34

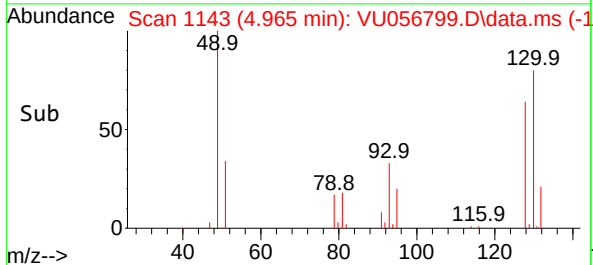
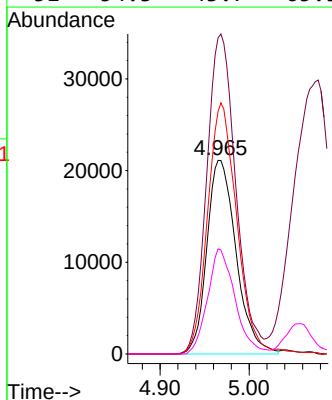
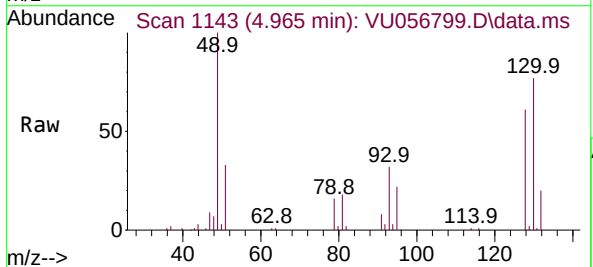
Instrument :
 MSVOA_U
 ClientSampleId :

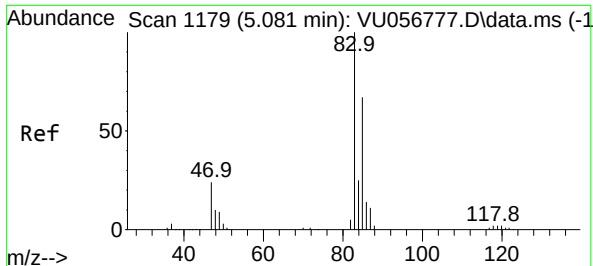
Tgt Ion: 96 Resp: 125362
 Ion Ratio Lower Upper
 96 100
 61 132.4 91.3 169.6
 98 62.2 44.2 82.0



#23
 Bromochloromethane
 Concen: 5.010 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. -0.003 min
 Lab File: VU056799.D
 Acq: 12 Dec 2023 20:34

Tgt Ion: 128 Resp: 48161
 Ion Ratio Lower Upper
 128 100
 49 163.3 113.8 211.3
 130 125.2 90.6 168.3
 51 54.3 43.7 65.5





#25

Chloroform

Concen: 18.488 ug/L

RT: 5.078 min Scan# 1179

Delta R.T. -0.003 min

Lab File: VU056799.D

Acq: 12 Dec 2023 20:34

Instrument :

MSVOA_U

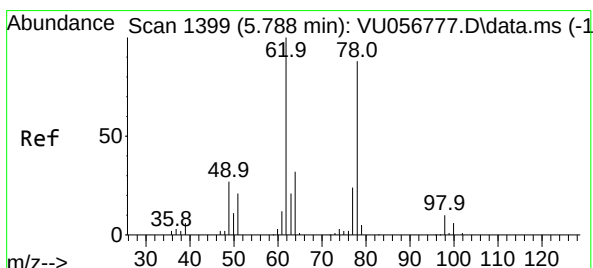
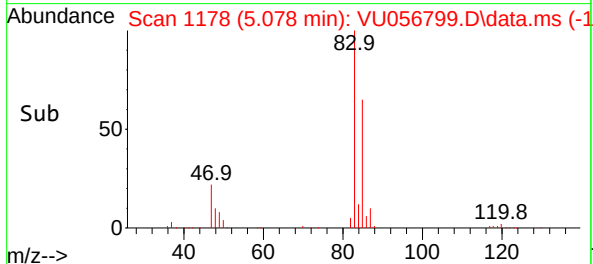
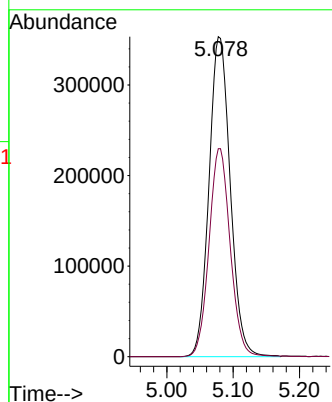
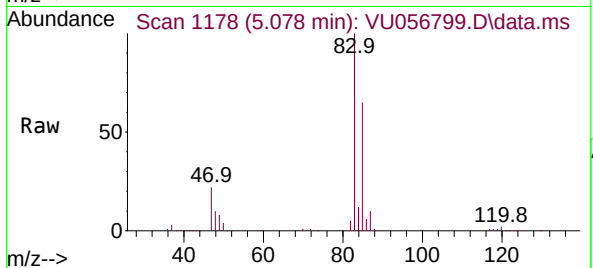
ClientSampleId :

Tgt Ion: 83 Resp: 786366

Ion Ratio Lower Upper

83 100

85 65.0 45.8 85.0



#27

1,2-Dichloroethane

Concen: 4.972 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU056799.D

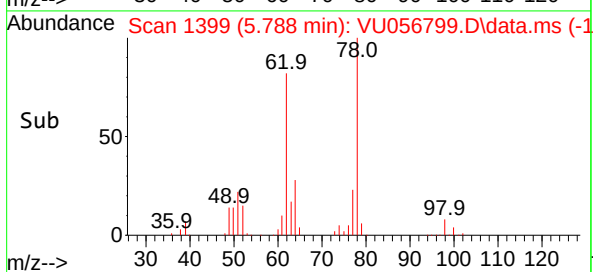
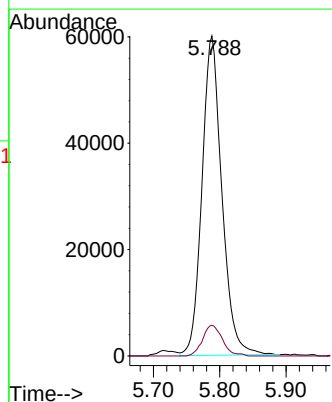
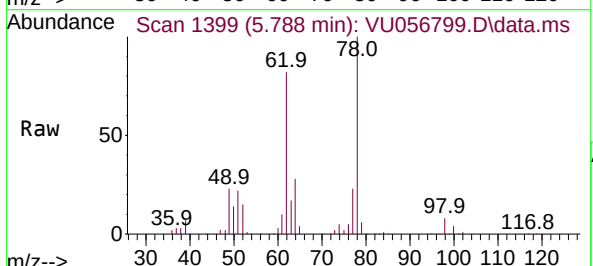
Acq: 12 Dec 2023 20:34

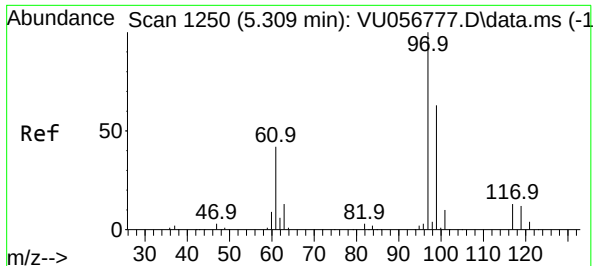
Tgt Ion: 62 Resp: 125073

Ion Ratio Lower Upper

62 100

98 9.6 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 5.276 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU056799.D

Acq: 12 Dec 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

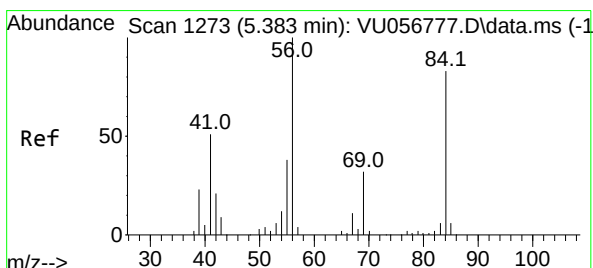
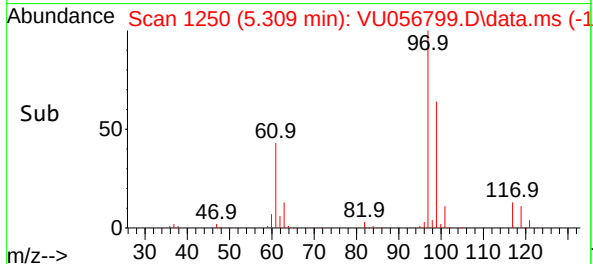
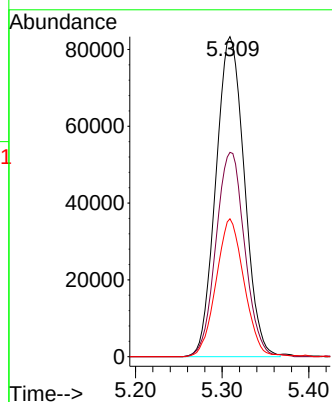
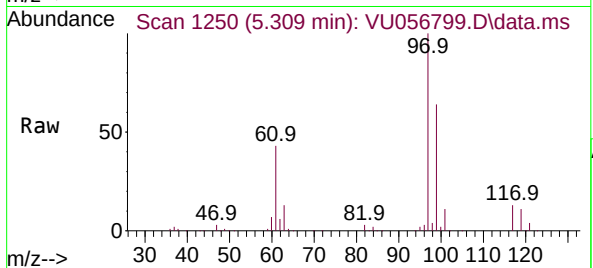
Tgt Ion: 97 Resp: 190518

Ion Ratio Lower Upper

97 100

99 64.6 52.5 78.7

61 42.4 34.2 51.2



#30

Cyclohexane

Concen: 5.075 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU056799.D

Acq: 12 Dec 2023 20:34

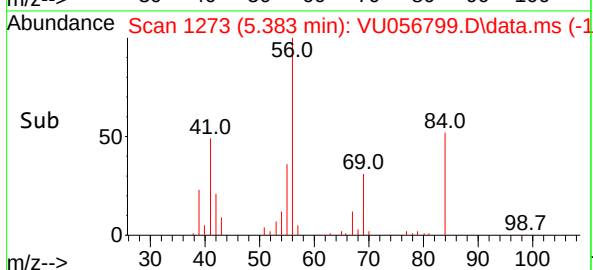
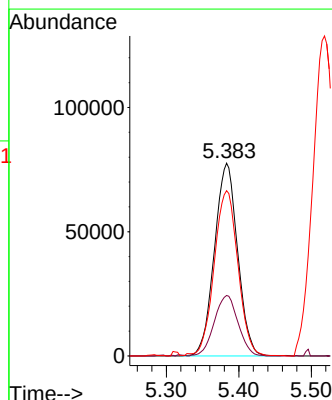
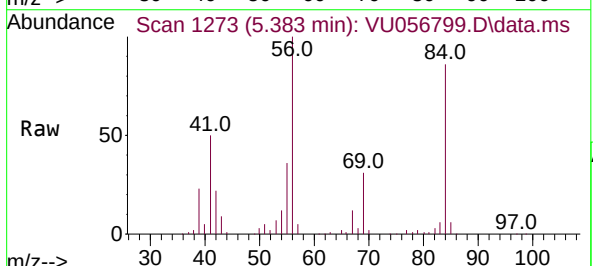
Tgt Ion: 56 Resp: 171982

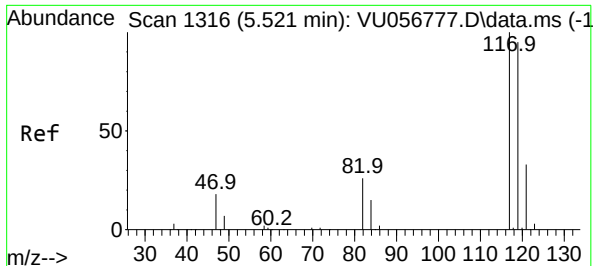
Ion Ratio Lower Upper

56 100

69 32.3 24.9 37.3

84 88.3 67.6 101.4

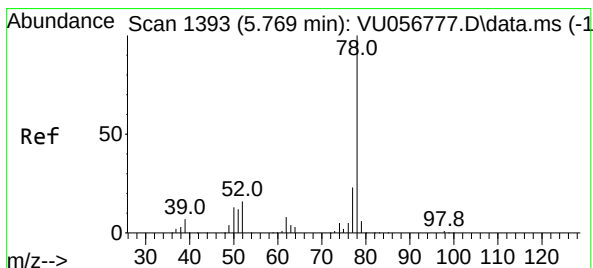
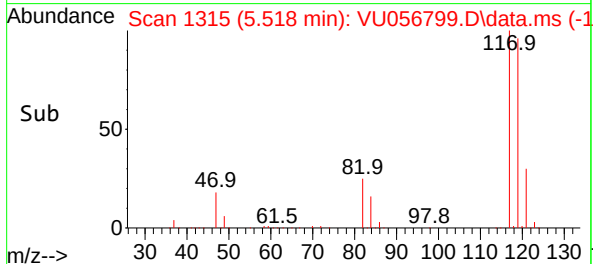
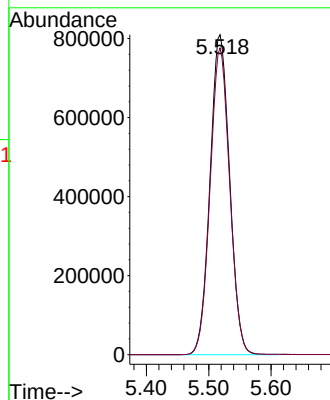
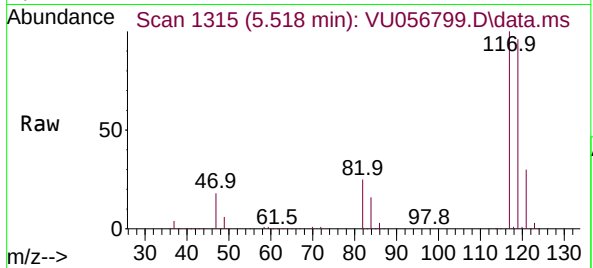




#31
Carbon tetrachloride
Concen: 56.361 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

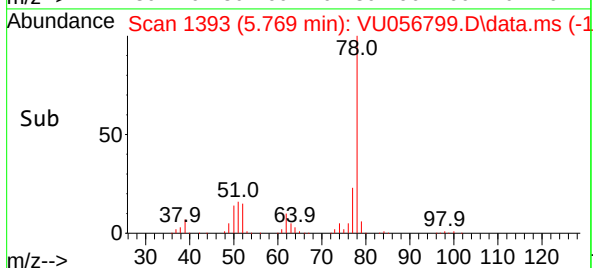
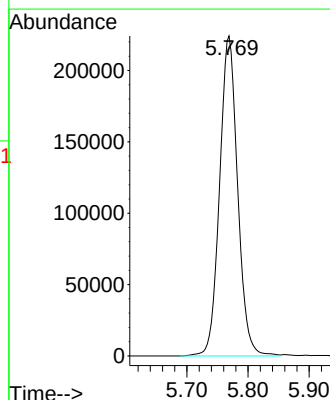
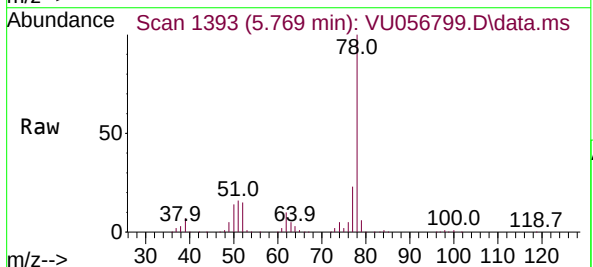
Instrument :
MSVOA_U
ClientSampleId :

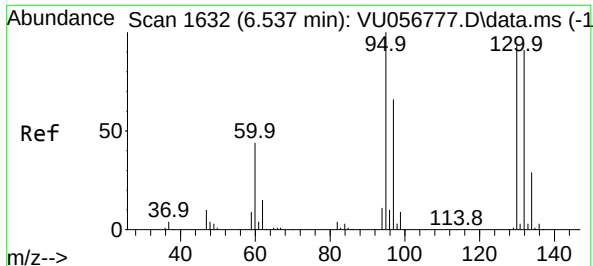
Tgt Ion:117 Resp: 1768936
Ion Ratio Lower Upper
117 100
119 95.7 76.2 114.4



#33
Benzene
Concen: 5.237 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

Tgt Ion: 78 Resp: 459753

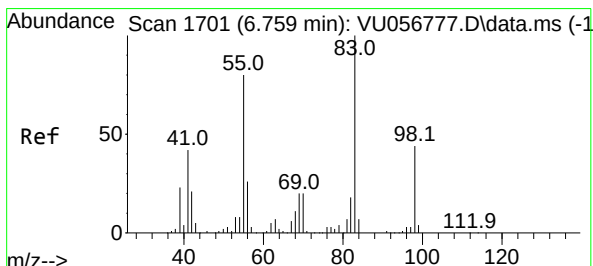
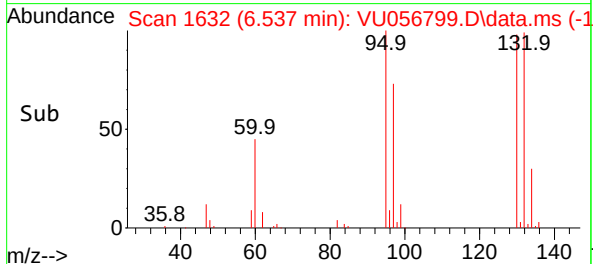
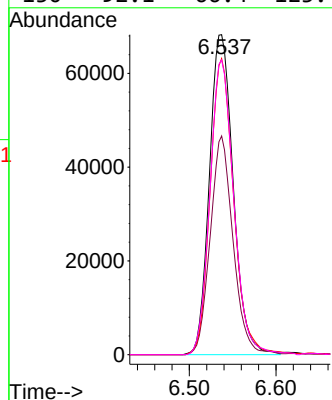
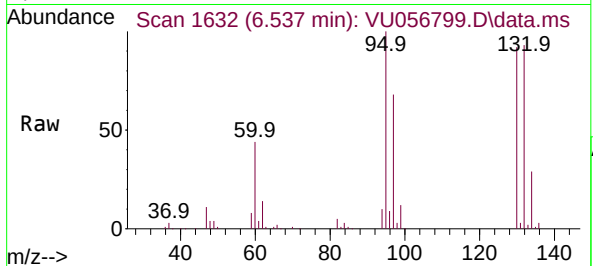




#34
Trichloroethene
Concen: 5.432 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

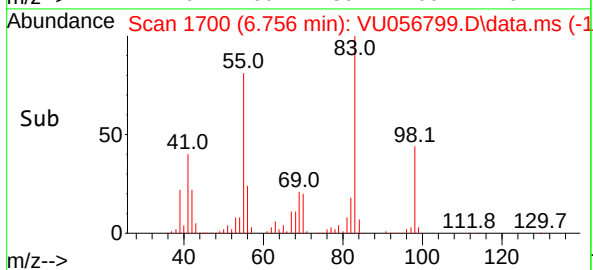
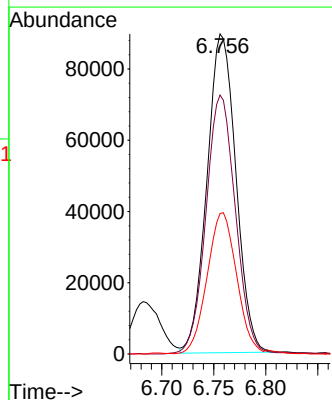
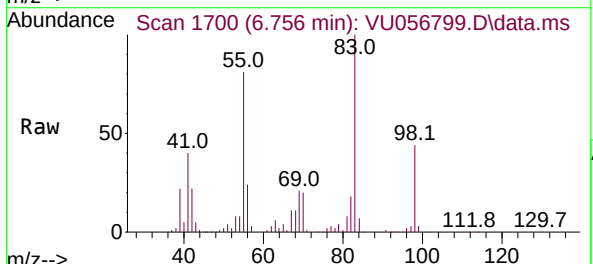
Instrument :
MSVOA_U
ClientSampleId :

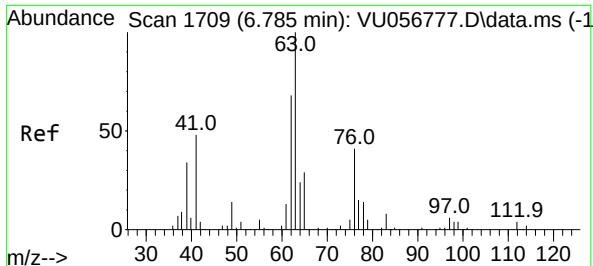
Tgt Ion: 95 Resp: 130828
Ion Ratio Lower Upper
95 100
97 68.3 46.1 85.5
132 92.6 63.6 118.0
130 92.1 66.4 123.4



#35
Methylcyclohexane
Concen: 4.881 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

Tgt Ion: 83 Resp: 173477
Ion Ratio Lower Upper
83 100
55 82.9 64.6 97.0
98 44.8 36.1 54.1





#37

1,2-Dichloropropane

Concen: 5.335 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056799.D

Acq: 12 Dec 2023 20:34

Instrument :

MSVOA_U

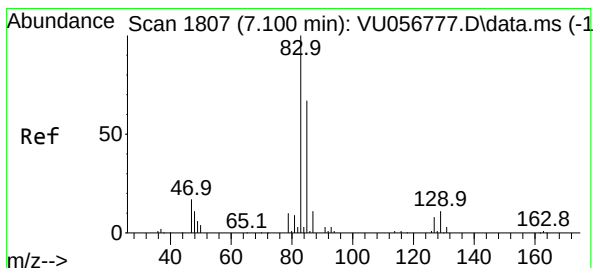
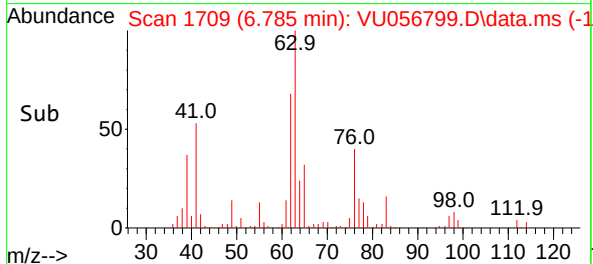
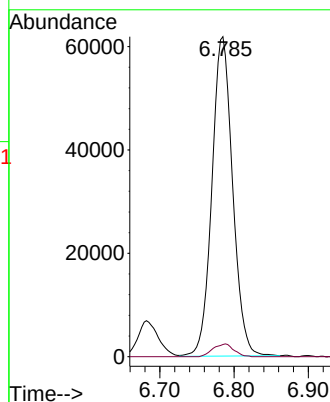
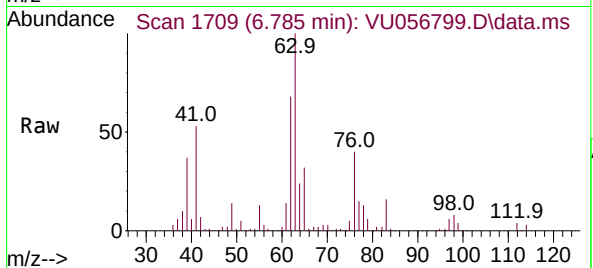
ClientSampleId :

Tgt Ion: 63 Resp: 119825

Ion Ratio Lower Upper

63 100

112 4.0 3.3 4.9



#38

Bromodichloromethane

Concen: 5.176 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU056799.D

Acq: 12 Dec 2023 20:34

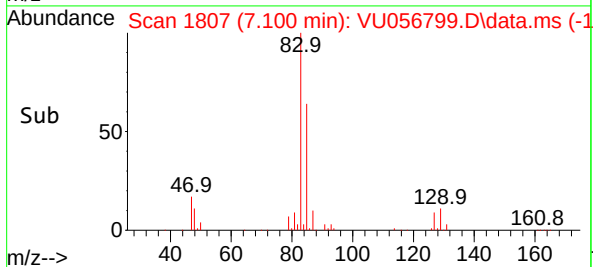
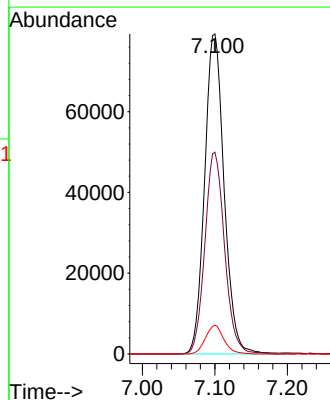
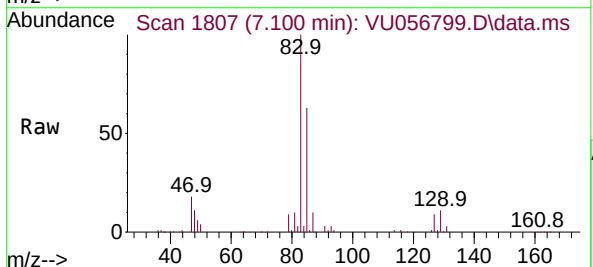
Tgt Ion: 83 Resp: 148248

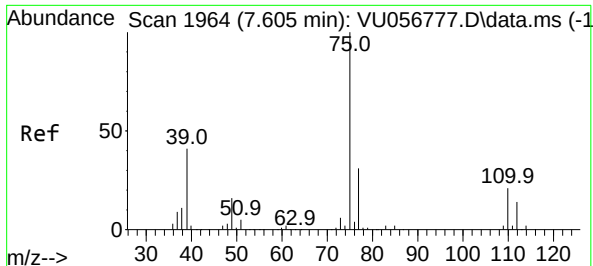
Ion Ratio Lower Upper

83 100

85 63.1 45.0 83.6

127 9.0 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 5.206 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU056799.D

Acq: 12 Dec 2023 20:34

Instrument :

MSVOA_U

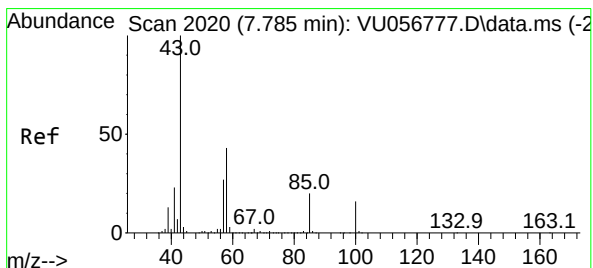
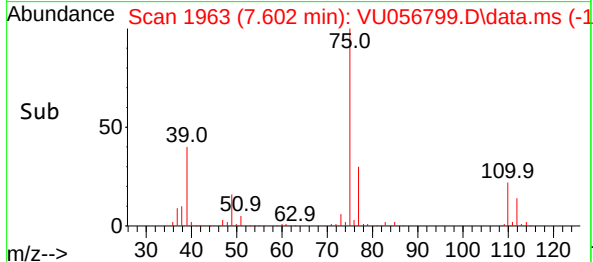
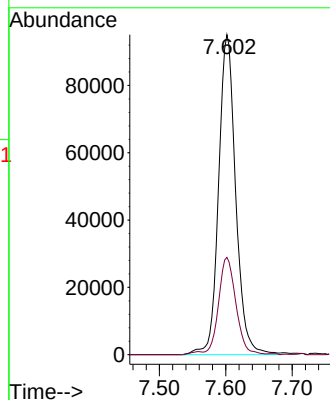
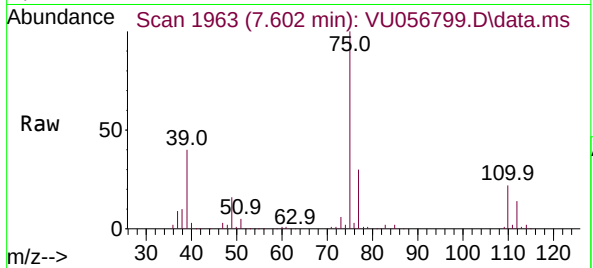
ClientSampleId :

Tgt Ion: 75 Resp: 170394

Ion Ratio Lower Upper

75 100

77 30.4 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 52.433 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU056799.D

Acq: 12 Dec 2023 20:34

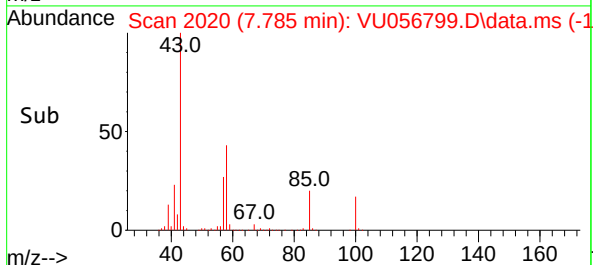
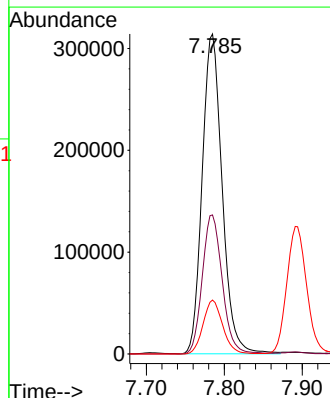
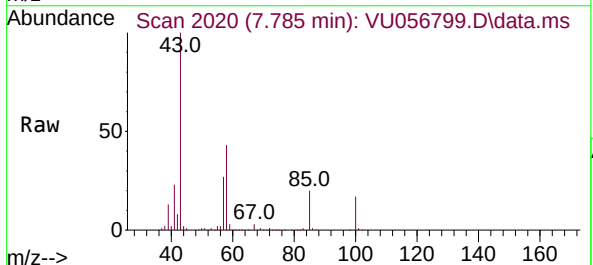
Tgt Ion: 43 Resp: 559162

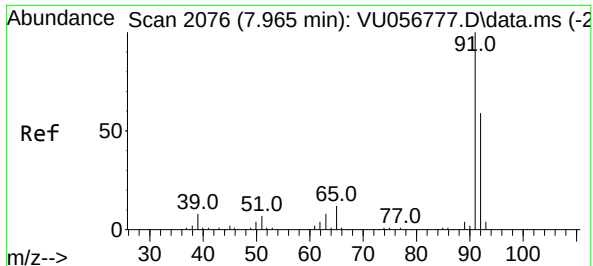
Ion Ratio Lower Upper

43 100

58 43.5 33.7 50.5

100 16.5 13.0 19.4





#42

Toluene

Concen: 5.288 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056799.D

Acq: 12 Dec 2023 20:34

Instrument :

MSVOA_U

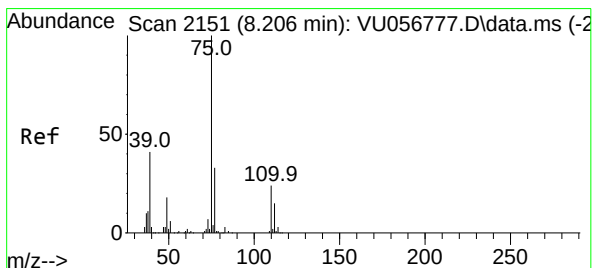
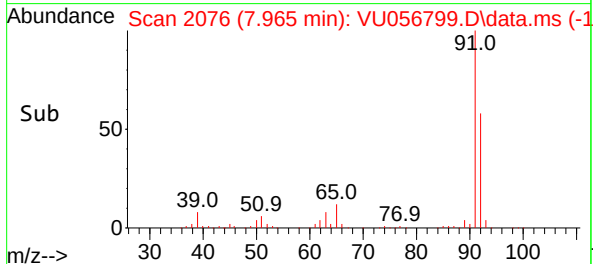
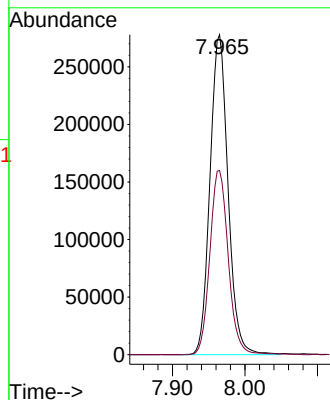
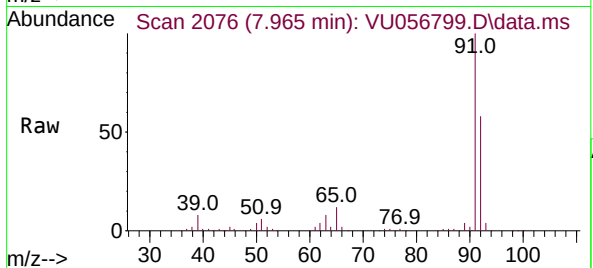
ClientSampleId :

Tgt Ion: 91 Resp: 480383

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 5.182 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056799.D

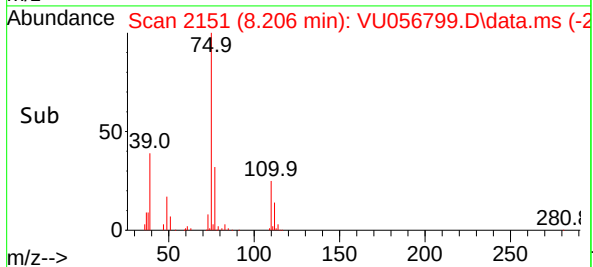
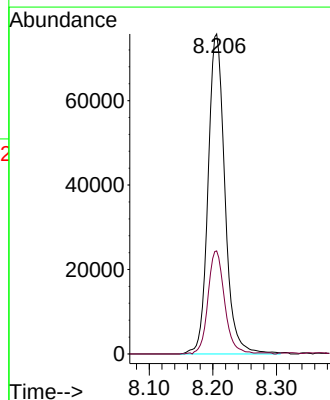
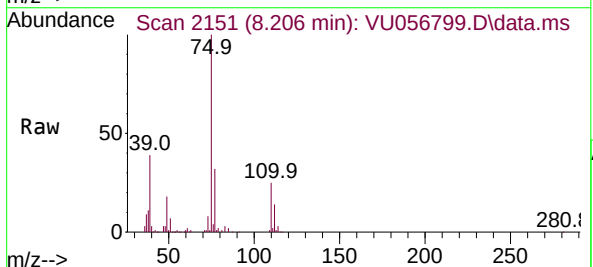
Acq: 12 Dec 2023 20:34

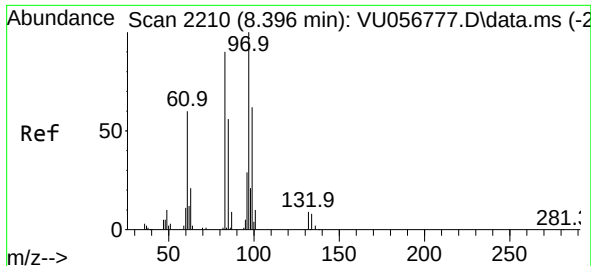
Tgt Ion: 75 Resp: 139006

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.4

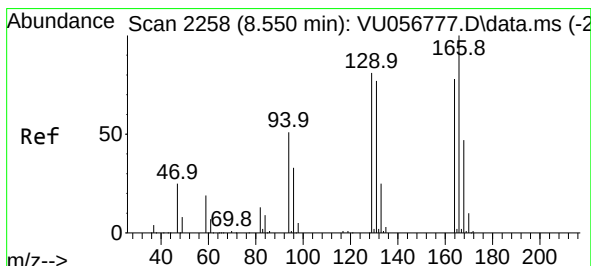
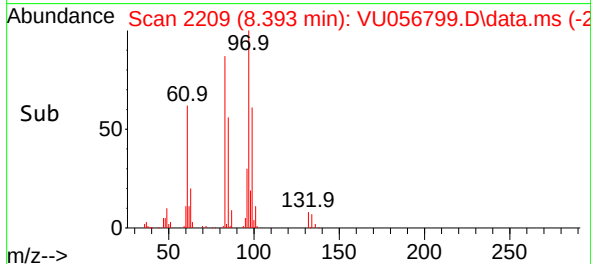
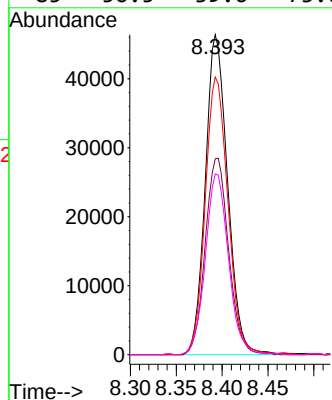
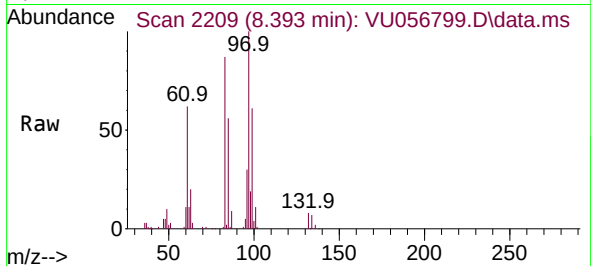




#45
1,1,2-Trichloroethane
Concen: 5.177 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

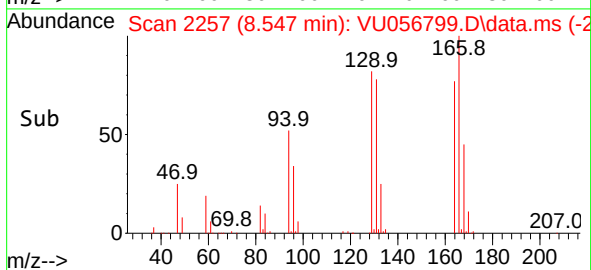
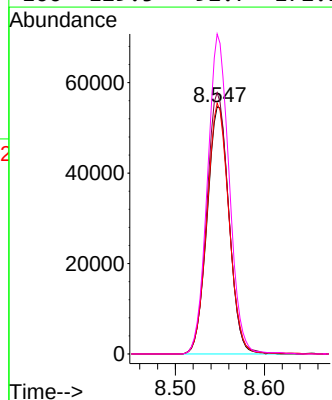
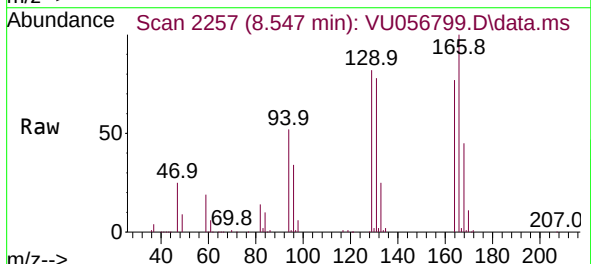
Instrument :
MSVOA_U
ClientSampleId :

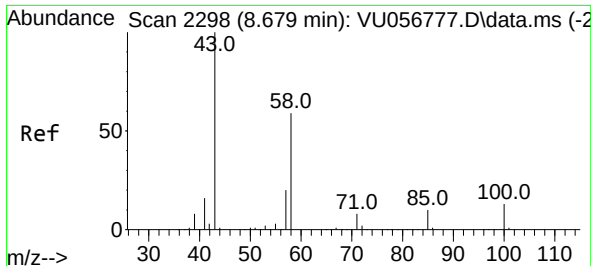
Tgt Ion: 97	Resp: 78601
Ion Ratio	Lower Upper
97 100	
99 61.2	41.9 77.9
83 86.8	59.1 109.7
85 56.5	39.6 73.6



#47
Tetrachloroethene
Concen: 5.567 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

Tgt	Ion:164	Resp:	93829
Ion	Ratio	Lower	Upper
164	100		
129	105.7	73.4	136.4
131	101.5	71.5	132.9
166	129.5	92.7	172.1



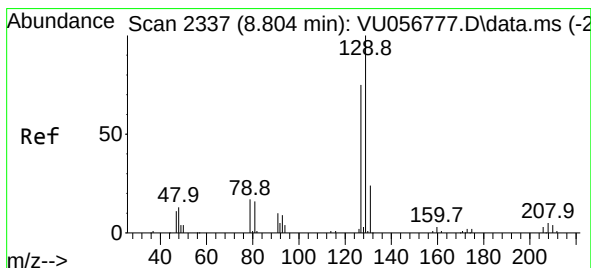
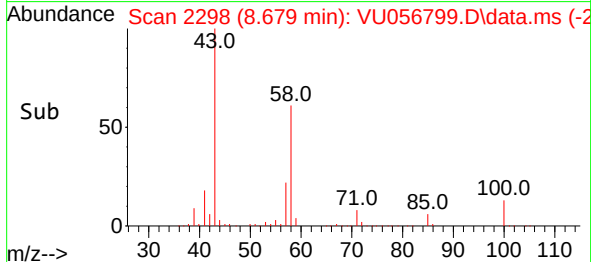
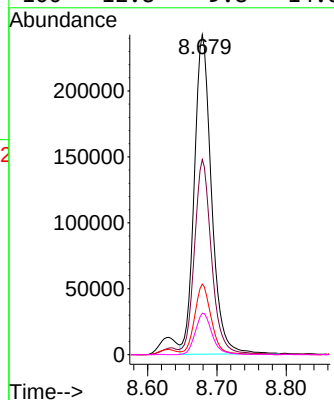
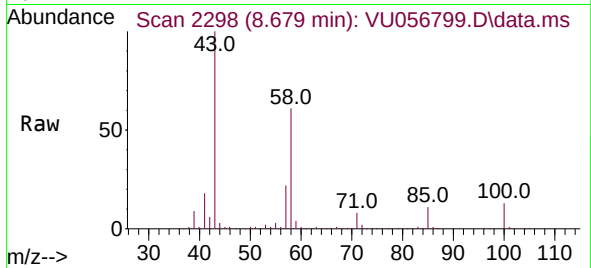


#48
2-Hexanone
Concen: 55.088 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 418411

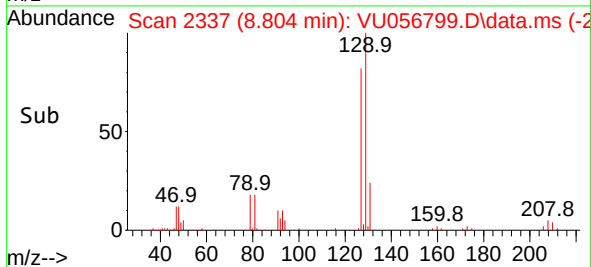
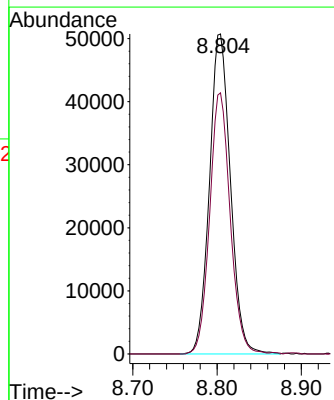
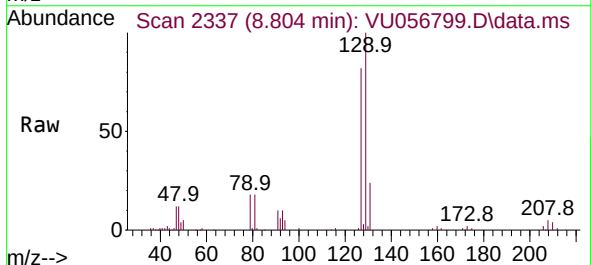
Ion	Ratio	Lower	Upper
43	100		
58	60.6	47.5	71.3
57	21.1	17.0	25.4
100	12.8	9.8	14.8

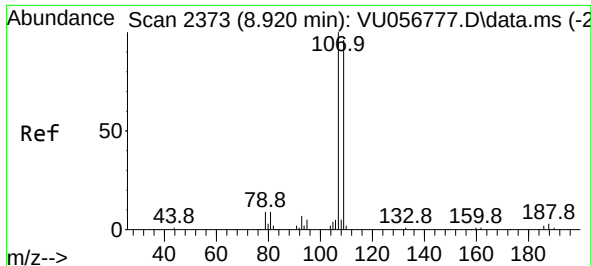


#49
Dibromochloromethane
Concen: 5.028 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

Tgt Ion: 129 Resp: 87751

Ion	Ratio	Lower	Upper
129	100		
127	81.6	53.9	100.1





#50

1,2-Dibromoethane

Concen: 5.172 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU056799.D

Acq: 12 Dec 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

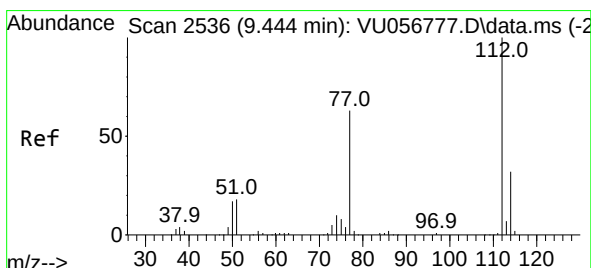
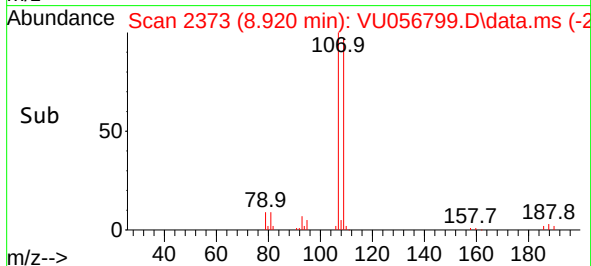
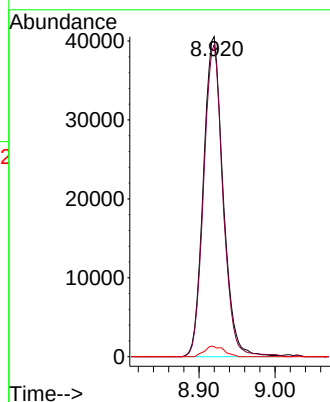
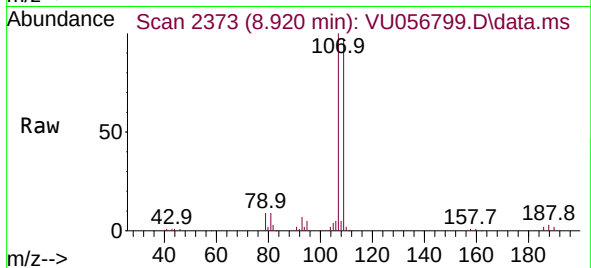
Tgt Ion:107 Resp: 72880

Ion Ratio Lower Upper

107 100

109 97.4 66.5 123.5

188 3.1 2.9 4.3



#51

Chlorobenzene

Concen: 9.472 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU056799.D

Acq: 12 Dec 2023 20:34

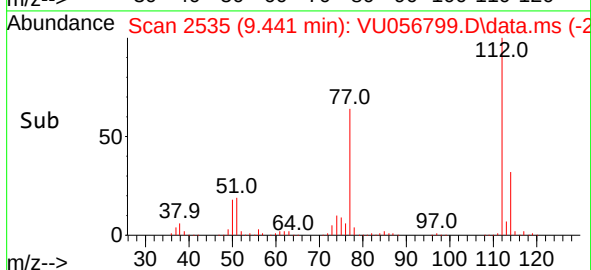
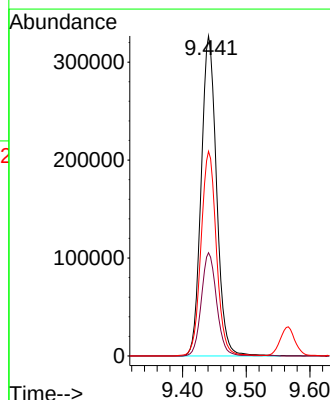
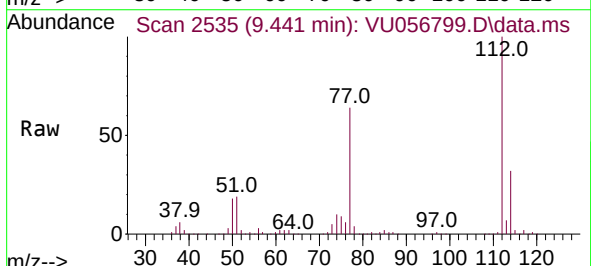
Tgt Ion:112 Resp: 548403

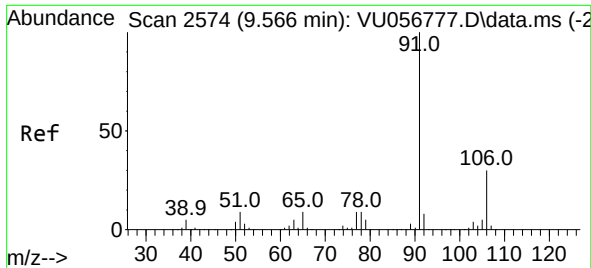
Ion Ratio Lower Upper

112 100

114 32.3 21.9 40.7

77 64.0 51.6 77.4

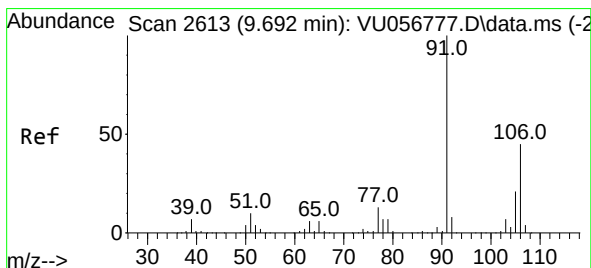
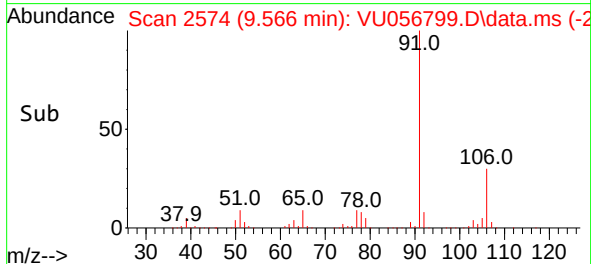
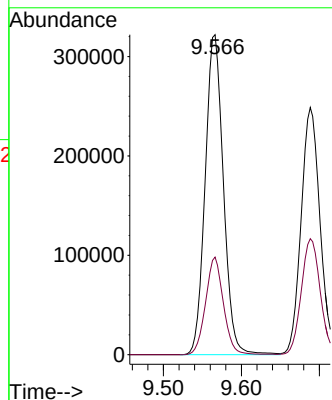
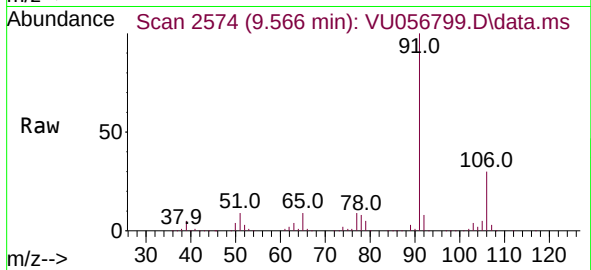




#52
Ethylbenzene
Concen: 5.228 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

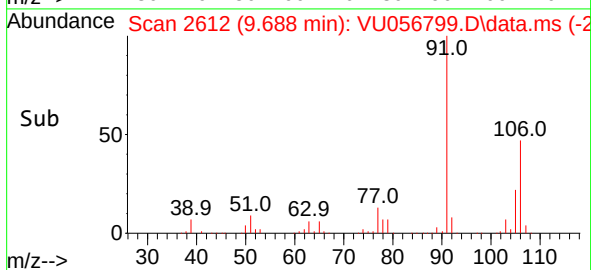
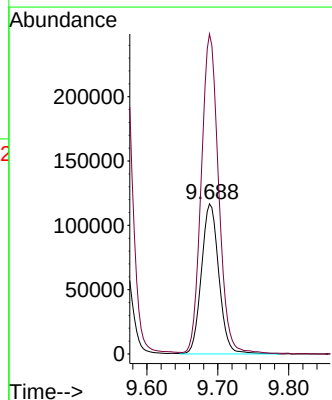
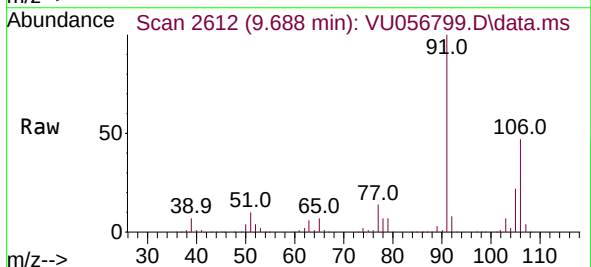
Instrument :
MSVOA_U
ClientSampleId :

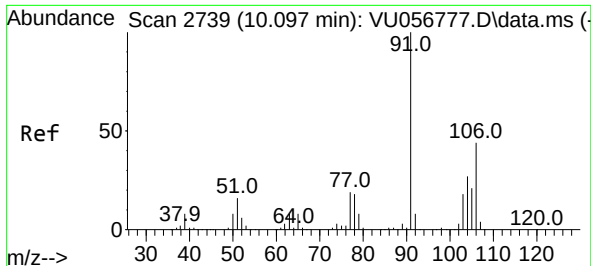
Tgt Ion: 91 Resp: 523906
Ion Ratio Lower Upper
91 100
106 30.5 20.6 38.4



#53
m,p-Xylene
Concen: 5.349 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

Tgt Ion: 106 Resp: 199694
Ion Ratio Lower Upper
106 100
91 213.2 154.0 286.0

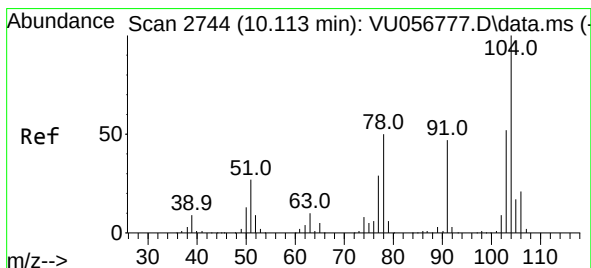
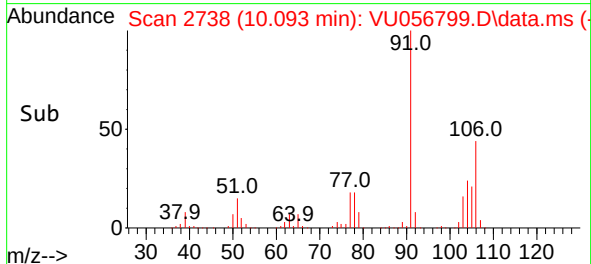
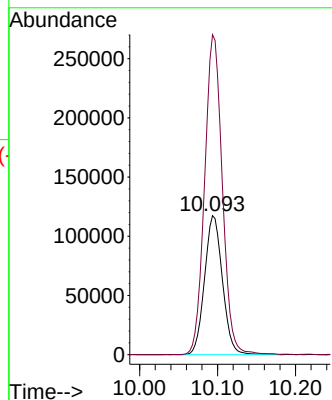
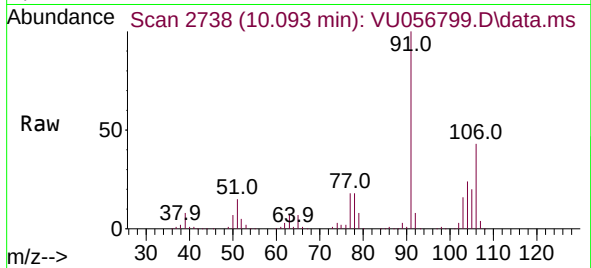




#54
o-Xylene
Concen: 5.275 ug/L
RT: 10.093 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

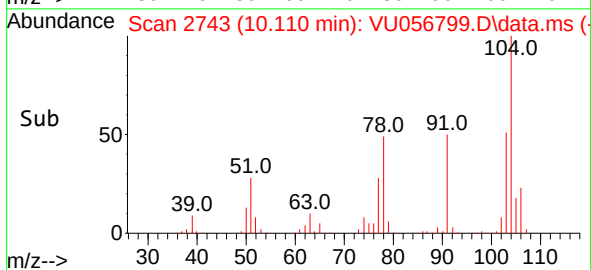
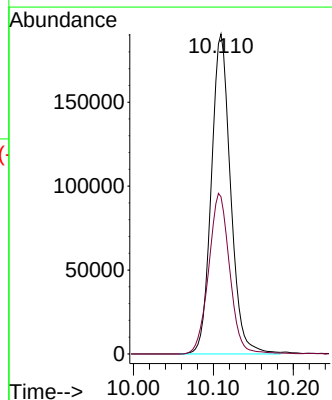
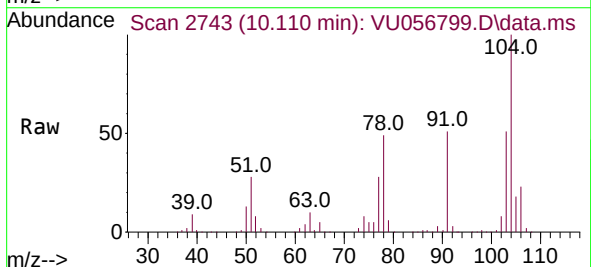
Instrument :
MSVOA_U
ClientSampleId :

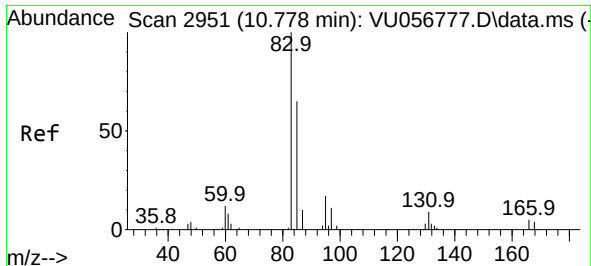
Tgt Ion:106 Resp: 187619
Ion Ratio Lower Upper
106 100
91 230.1 160.2 297.6



#55
Styrene
Concen: 5.475 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

Tgt Ion:104 Resp: 319746
Ion Ratio Lower Upper
104 100
78 49.1 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.320 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU056799.D

Acq: 12 Dec 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

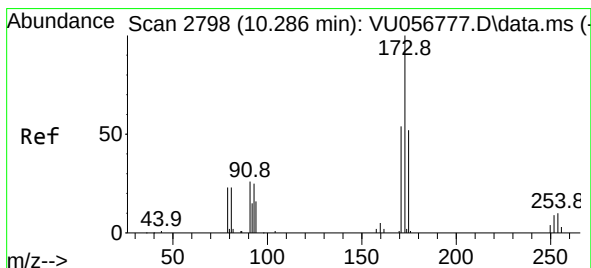
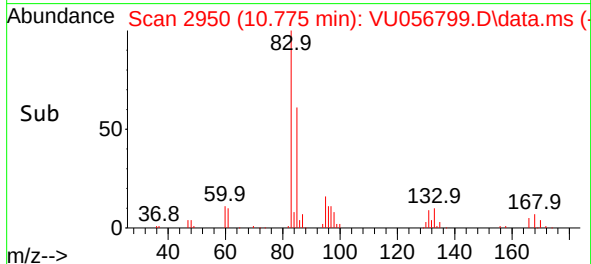
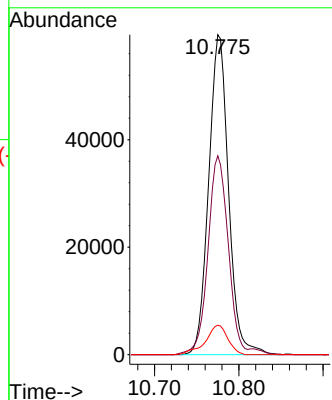
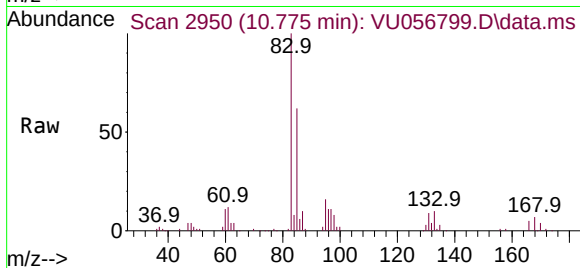
Tgt Ion: 83 Resp: 97583

Ion Ratio Lower Upper

83 100

85 62.2 45.4 84.4

131 9.2 6.6 9.8



#59

Bromoform

Concen: 4.853 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU056799.D

Acq: 12 Dec 2023 20:34

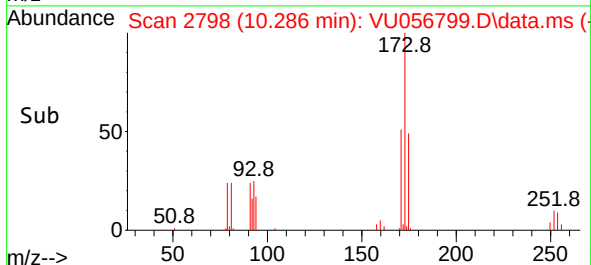
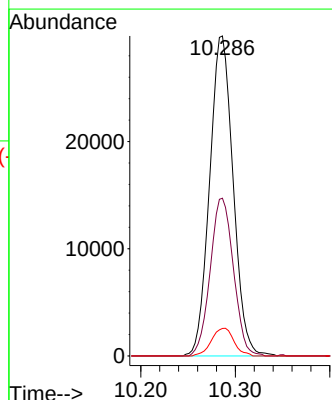
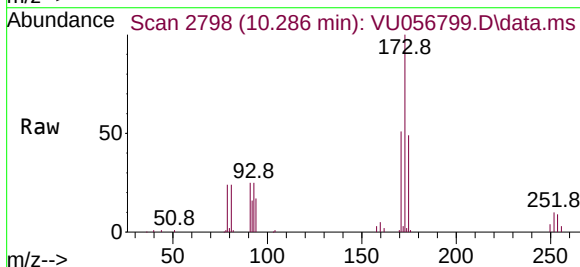
Tgt Ion:173 Resp: 51540

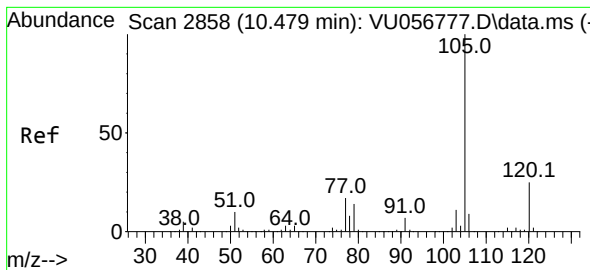
Ion Ratio Lower Upper

173 100

175 48.7 38.2 57.2

254 8.3 7.0 10.4





#60

Isopropylbenzene

Concen: 4.978 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU056799.D

Acq: 12 Dec 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

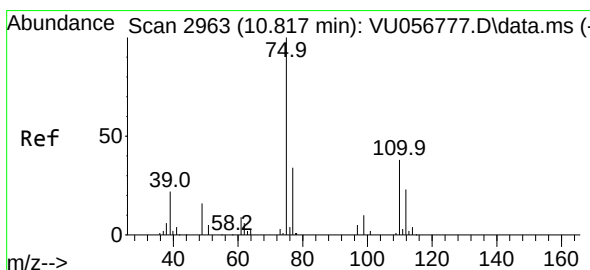
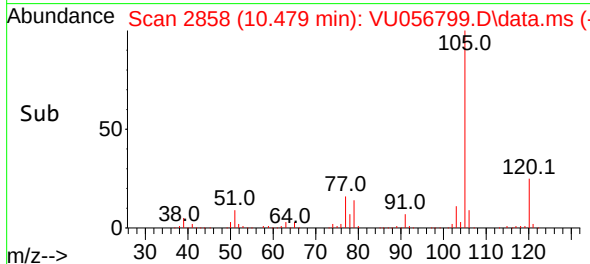
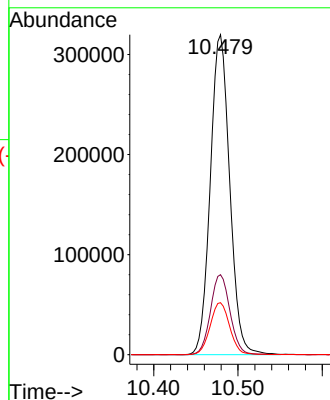
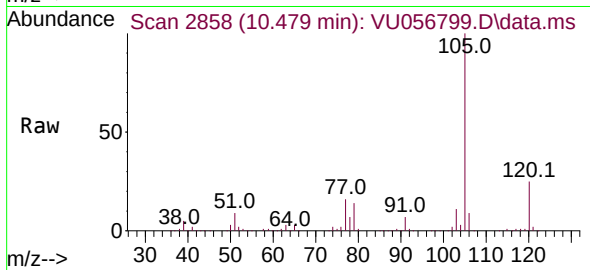
Tgt Ion:105 Resp: 511508

Ion Ratio Lower Upper

105 100

120 25.2 20.1 30.1

77 16.4 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 4.730 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU056799.D

Acq: 12 Dec 2023 20:34

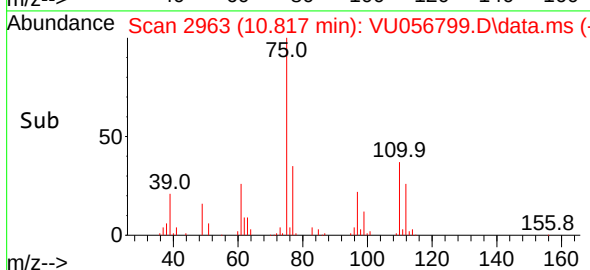
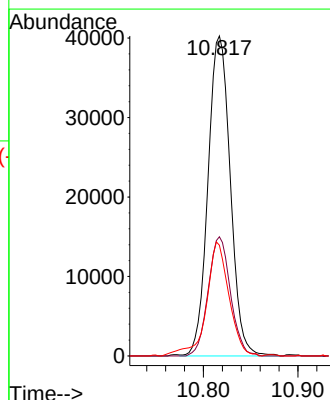
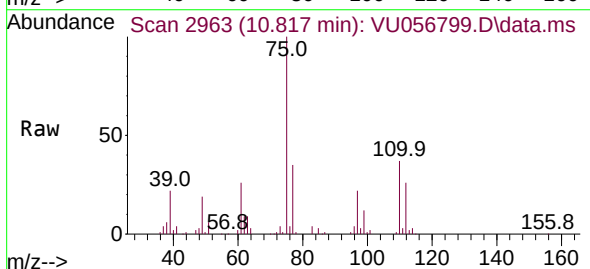
Tgt Ion: 75 Resp: 66056

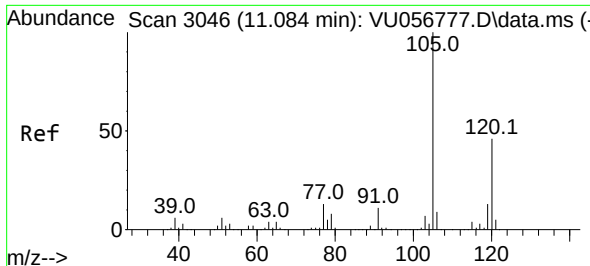
Ion Ratio Lower Upper

75 100

110 37.2 28.4 42.6

77 35.9 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 4.966 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU056799.D

Acq: 12 Dec 2023 20:34

Instrument :

MSVOA_U

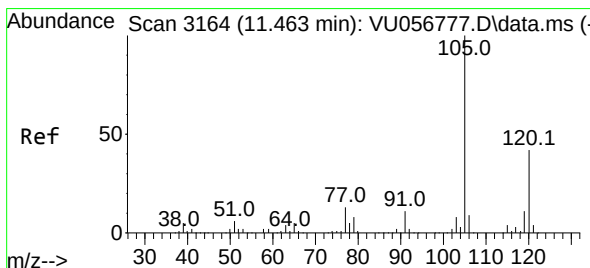
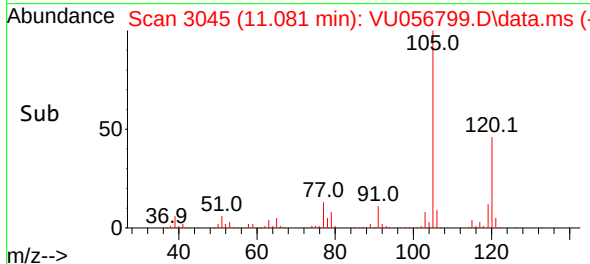
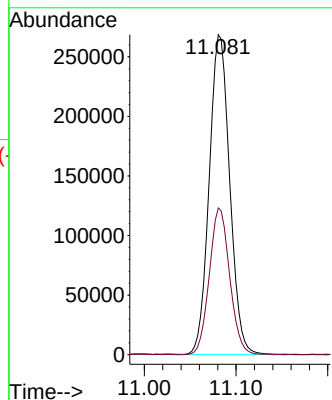
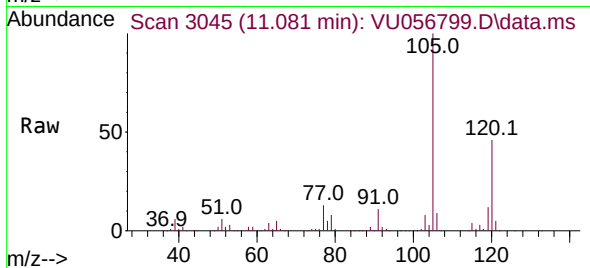
ClientSampleId :

Tgt Ion:105 Resp: 417090

Ion Ratio Lower Upper

105 100

120 45.6 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 5.001 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU056799.D

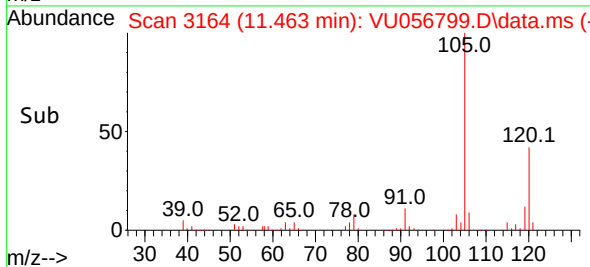
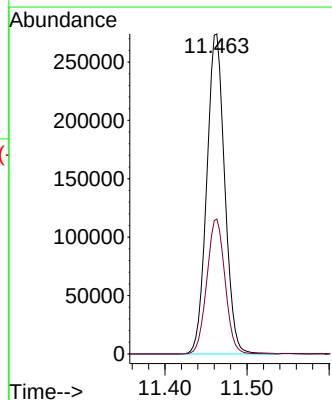
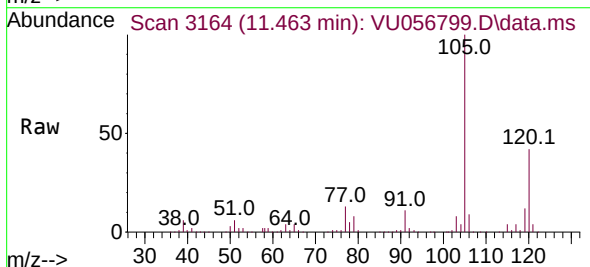
Acq: 12 Dec 2023 20:34

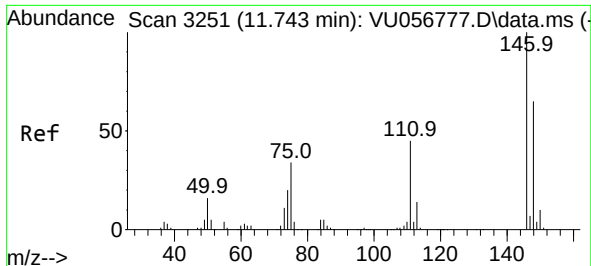
Tgt Ion:105 Resp: 417121

Ion Ratio Lower Upper

105 100

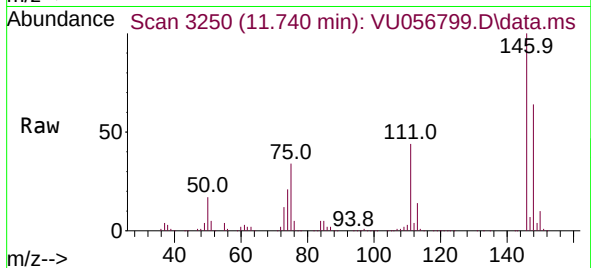
120 42.7 34.2 51.4



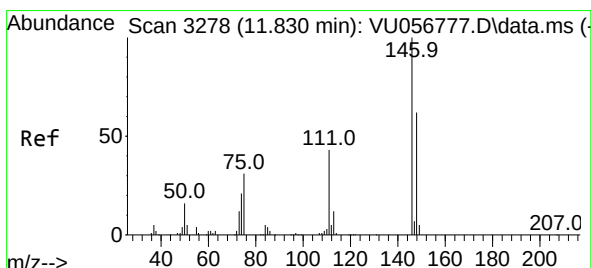
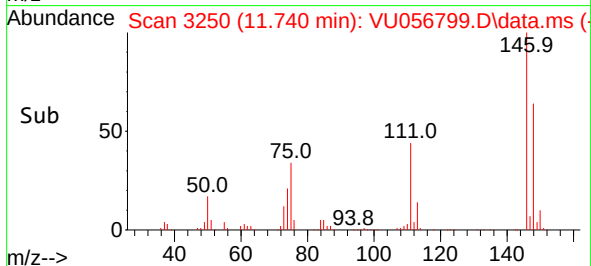
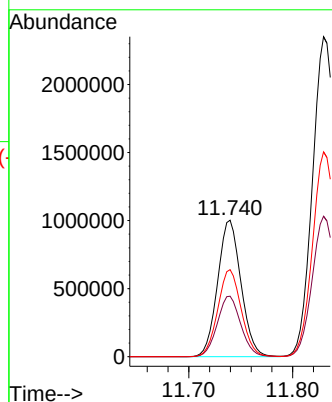


#64
 1,3-Dichlorobenzene
 Concen: 32.274 ug/L
 RT: 11.740 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU056799.D
 Acq: 12 Dec 2023 20:34

Instrument :
 MSVOA_U
 ClientSampleId :

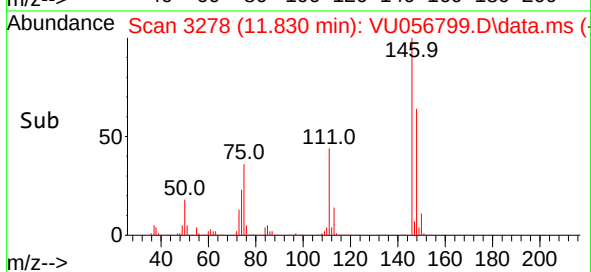
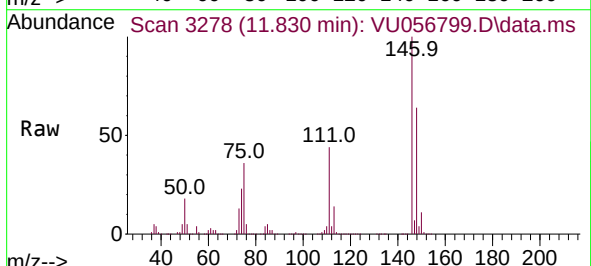
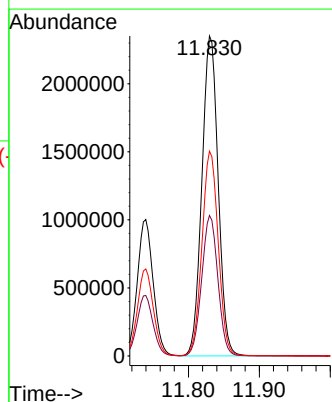


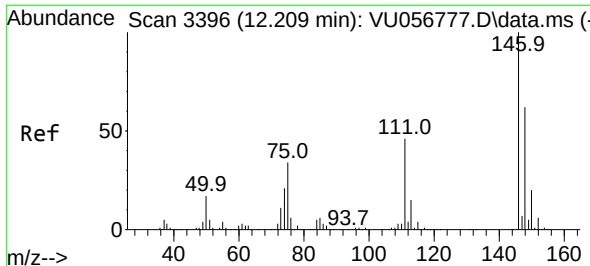
Tgt Ion:146 Resp: 1568823
 Ion Ratio Lower Upper
 146 100
 111 44.3 31.7 58.9
 148 63.8 44.3 82.3



#65
 1,4-Dichlorobenzene
 Concen: 78.112 ug/L
 RT: 11.830 min Scan# 3278
 Delta R.T. -0.000 min
 Lab File: VU056799.D
 Acq: 12 Dec 2023 20:34

Tgt Ion:146 Resp: 3738736
 Ion Ratio Lower Upper
 146 100
 111 43.9 31.2 58.0
 148 64.0 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 86.507 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU056799.D

Acq: 12 Dec 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

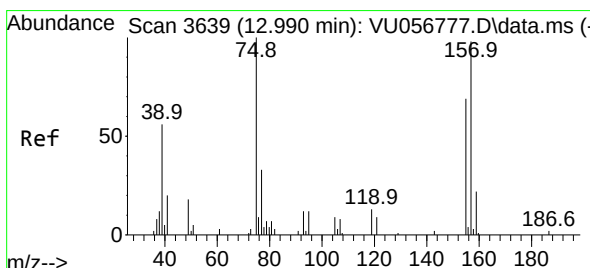
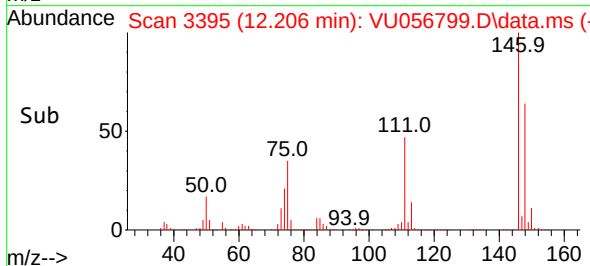
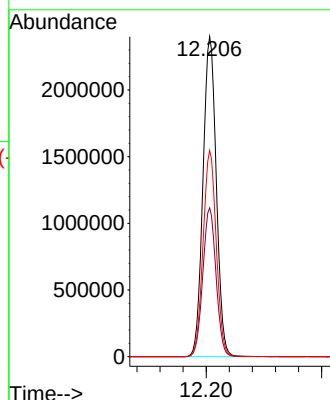
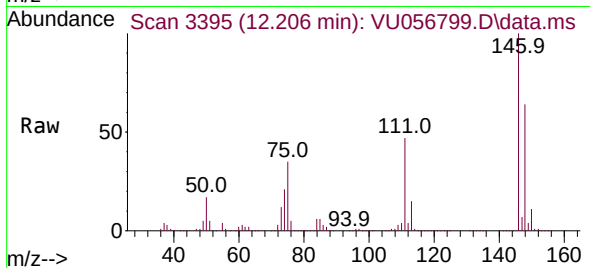
Tgt Ion:146 Resp: 3830690

Ion Ratio Lower Upper

146 100

111 46.5 36.9 55.3

148 64.4 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.688 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU056799.D

Acq: 12 Dec 2023 20:34

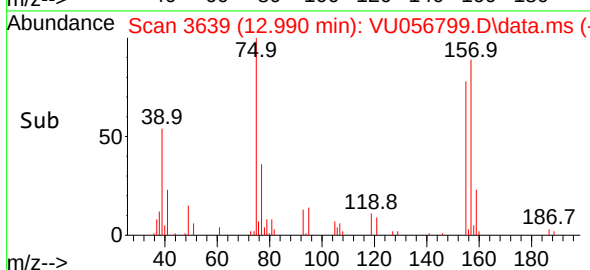
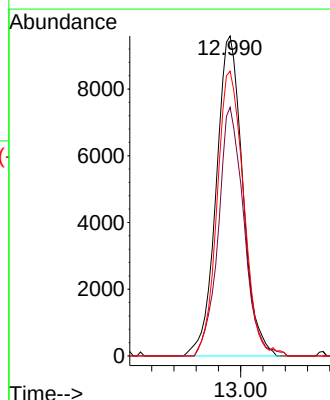
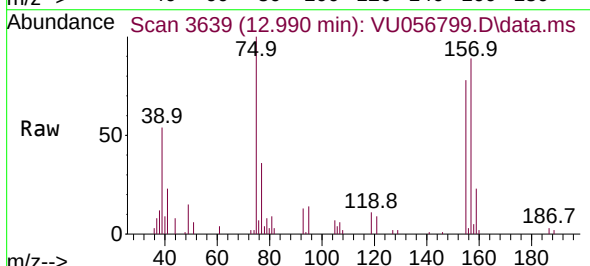
Tgt Ion: 75 Resp: 15859

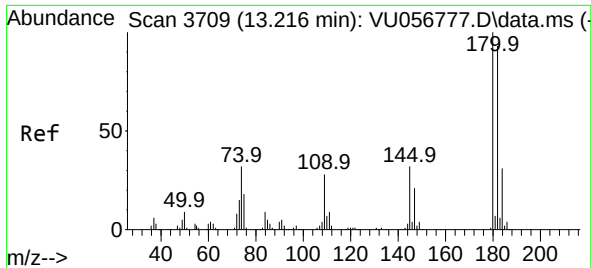
Ion Ratio Lower Upper

75 100

155 77.7 55.4 83.2

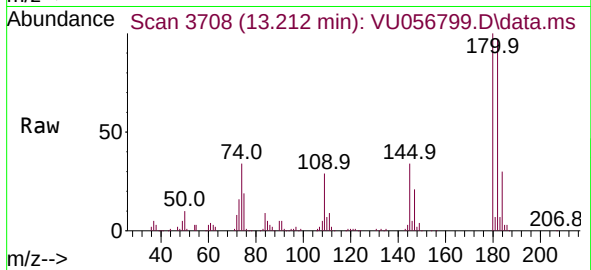
157 89.0 77.3 115.9



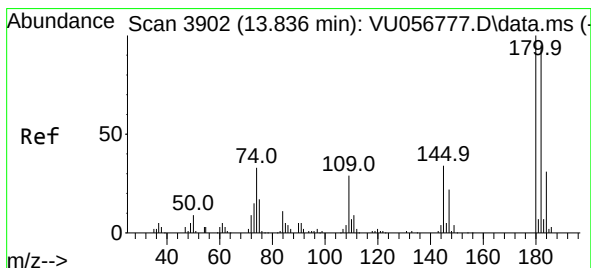
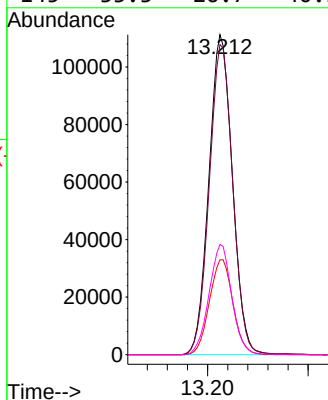
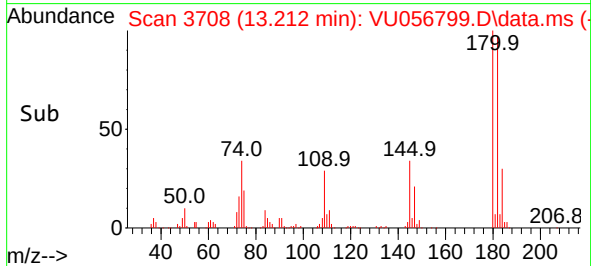


#69
 1,3,5-Trichlorobenzene
 Concen: 4.911 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU056799.D
 Acq: 12 Dec 2023 20:34

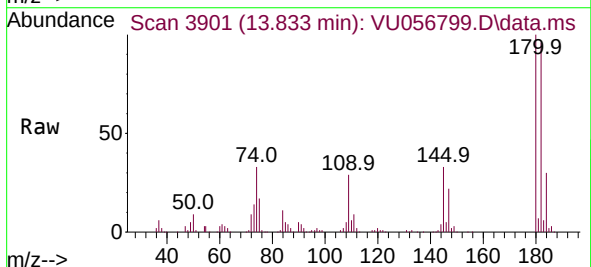
Instrument :
 MSVOA_U
 ClientSampleId :



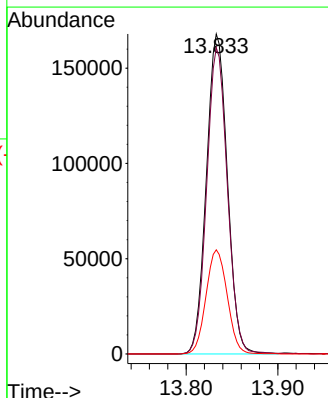
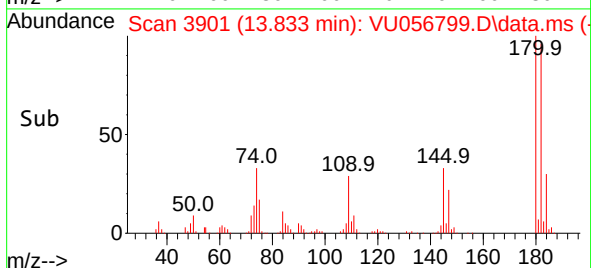
Tgt Ion:180 Resp: 180370
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.2 114.4
 184 29.7 24.6 37.0
 145 33.3 26.7 40.1

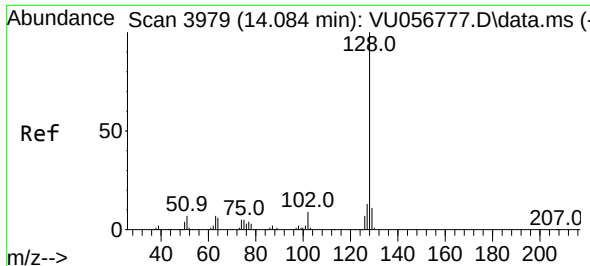


#70
 1,2,4-trichlorobenzene
 Concen: 9.185 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.003 min
 Lab File: VU056799.D
 Acq: 12 Dec 2023 20:34



Tgt Ion:180 Resp: 267158
 Ion Ratio Lower Upper
 180 100
 182 94.5 74.3 111.5
 145 32.9 26.7 40.1

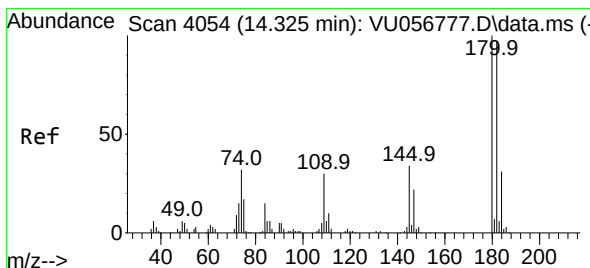
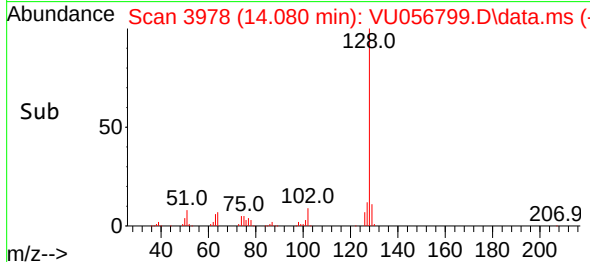
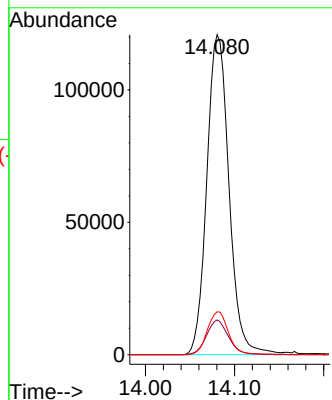
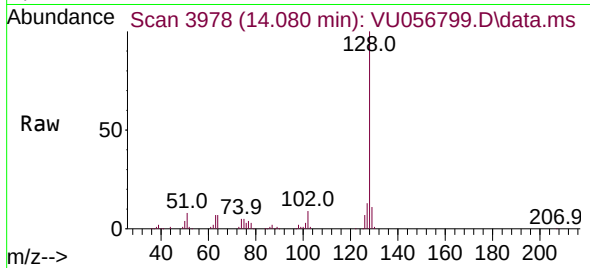




#71
Naphthalene
Concen: 4.919 ug/L
RT: 14.080 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 209353
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 12.8 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 6.979 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.003 min
Lab File: VU056799.D
Acq: 12 Dec 2023 20:34

Tgt Ion:180 Resp: 172334
Ion Ratio Lower Upper
180 100
182 96.8 75.0 112.6
145 35.9 28.6 42.8

