

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121123\
 Data File : VU056751.D
 Acq On : 11 Dec 2023 22:57
 Operator : MD/SY
 Sample : 05627-07MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 12 01:14:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 12 01:07:35 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	256455	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	257616	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	120382	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	102530	4.664	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.200%
7) Chloroethane-d5	1.907	69	71637	4.355	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.000%
11) 1,1-Dichloroethene-d2	2.563	65	42513	4.520	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.400%
20) 2-Butanone-d5	4.621	46	208109	47.938	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.880%
24) Chloroform-d	5.058	84	202620	4.868	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
26) 1,2-Dichloroethane-d4	5.695	65	93731	4.758	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
32) Benzene-d6	5.721	84	381383	4.773	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	6.685	67	117148	4.684	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.600%
41) Toluene-d8	7.894	98	335411	4.697	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
43) trans-1,3-Dichloroprop...	8.174	79	38403	3.959	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.200%
46) 2-Hexanone-d5	8.627	63	173234	47.357	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.720%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	86115	4.759	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	115047	4.862	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	64885	2.415	ug/L	100
3) Chloromethane	1.515	50	71204	2.695	ug/L	98
5) Vinyl chloride	1.602	62	74296	2.831	ug/L	97
6) Bromomethane	1.856	94	38343	2.478	ug/L	93
8) Chloroethane	1.930	64	45096	2.934	ug/L	95
9) Trichlorofluoromethane	2.136	101	128366	3.471	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	82679	3.645	ug/L	99
12) 1,1-Dichloroethene	2.576	96	68659	3.298	ug/L	92
13) Acetone	2.631	43	146223	55.270	ug/L	99
14) Carbon disulfide	2.788	76	144684	2.003	ug/L	98
15) Methyl Acetate	2.952	43	15250	2.118	ug/L	96
16) Methylene chloride	3.039	84	86122	3.797	ug/L	100
17) Methyl tert-butyl Ether	3.354	73	219818	4.761	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	71629	3.393	ug/L	98
19) 1,1-Dichloroethane	3.862	63	166257	4.094	ug/L	97
21) 2-Butanone	4.701	43	209170	46.883	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	91623	3.990	ug/L	99
23) Bromochloromethane	4.968	128	39621	4.121	ug/L	95
25) Chloroform	5.081	83	328800	7.729	ug/L	98

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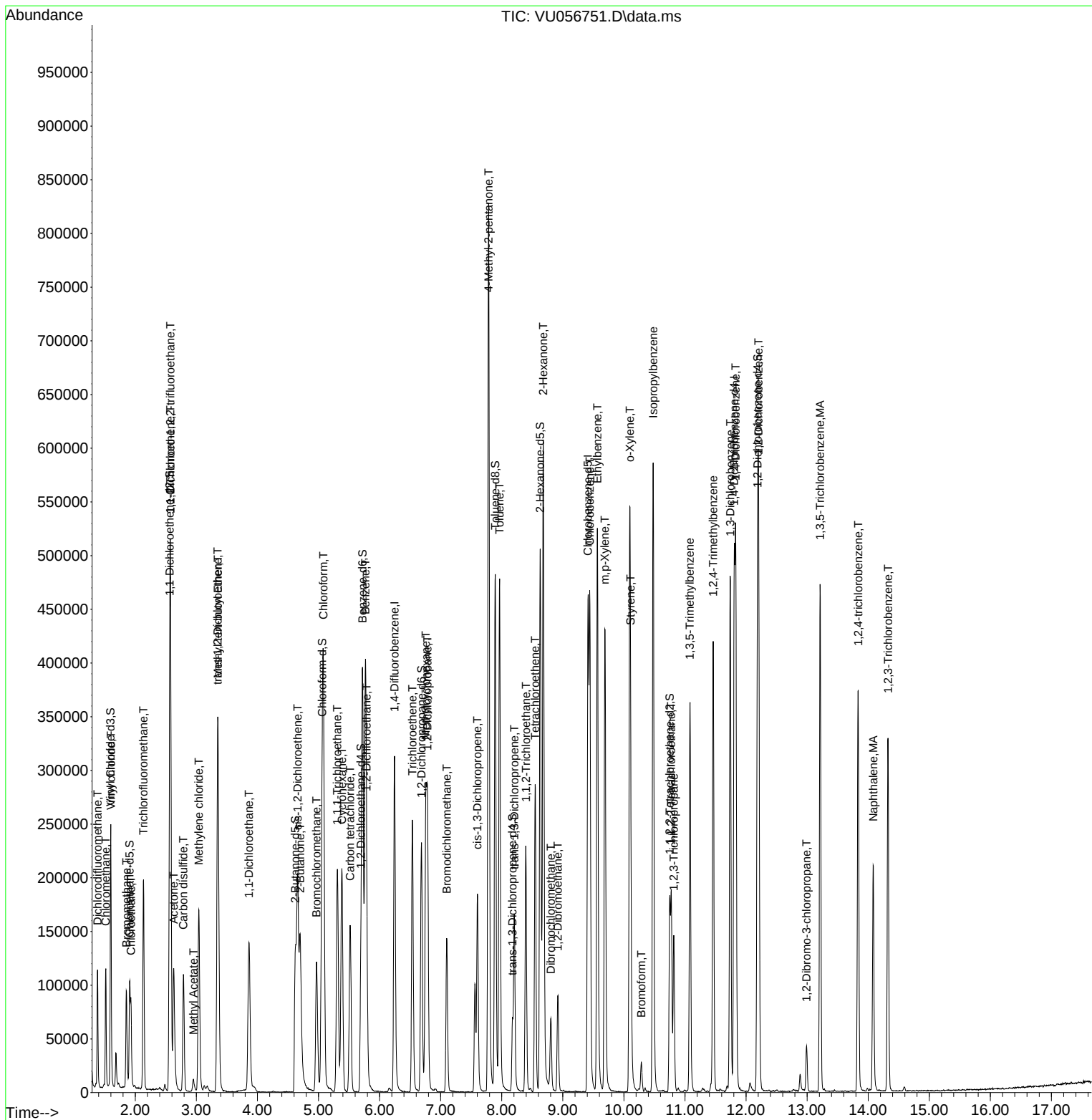
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 ClientSampleId :

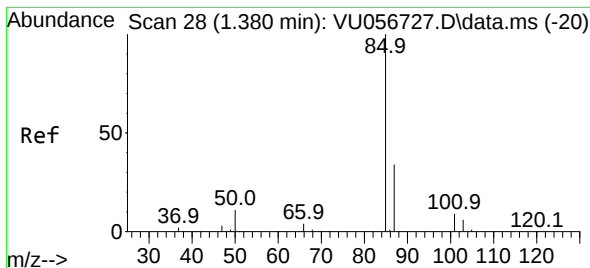
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	102974	4.093	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	152613	4.098	ug/L	99
30) Cyclohexane	5.383	56	101891	2.915	ug/L	99
31) Carbon tetrachloride	5.518	117	112004	3.461	ug/L	100
33) Benzene	5.769	78	354479	3.915	ug/L	100
34) Trichloroethene	6.537	95	92430	3.722	ug/L	97
35) Methylcyclohexane	6.759	83	102963	2.809	ug/L	96
37) 1,2-Dichloropropane	6.785	63	98099	4.236	ug/L	100
38) Bromodichloromethane	7.100	83	98211	3.325	ug/L	94
39) cis-1,3-Dichloropropene	7.602	75	115829	3.432	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	531853	48.362	ug/L	99
42) Toluene	7.965	91	354516	3.784	ug/L	97
44) trans-1,3-Dichloropropene	8.206	75	96697	3.495	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	71322	4.555	ug/L	95
47) Tetrachloroethene	8.547	164	61383	3.532	ug/L	98
48) 2-Hexanone	8.679	43	380573	48.589	ug/L	98
49) Dibromochloromethane	8.804	129	33723	1.874	ug/L	97
50) 1,2-Dibromoethane	8.920	107	61325	4.220	ug/L	95
51) Chlorobenzene	9.441	112	247829	4.151	ug/L	99
52) Ethylbenzene	9.566	91	391235	3.786	ug/L	99
53) m,p-Xylene	9.688	106	126310	3.281	ug/L	96
54) o-Xylene	10.097	106	127768	3.483	ug/L	98
55) Styrene	10.110	104	105821	1.757	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.775	83	90930	4.807	ug/L	99
59) Bromoform	10.286	173	12300	1.251	ug/L	99
60) Isopropylbenzene	10.479	105	389684	4.097	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	62609	4.844	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	198298	2.551	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	235823	3.055	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	194933	4.333	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	189977	4.288	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	180104	4.394	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	11781	4.565	ug/L	94
69) 1,3,5-Trichlorobenzene	13.212	180	138451	4.073	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	110973	4.122	ug/L	96
71) Naphthalene	14.084	128	169439	4.301	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	96168	4.208	ug/L	99

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

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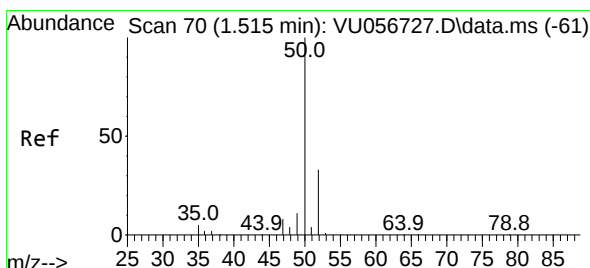
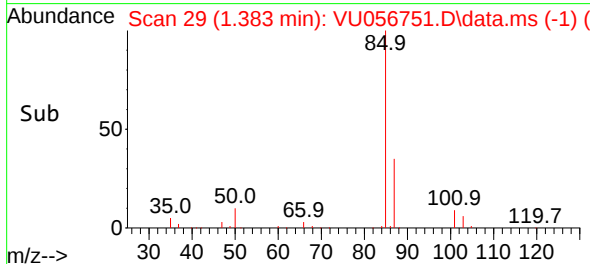
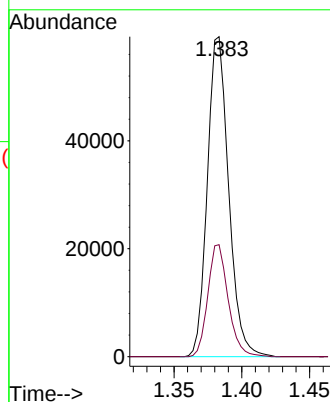
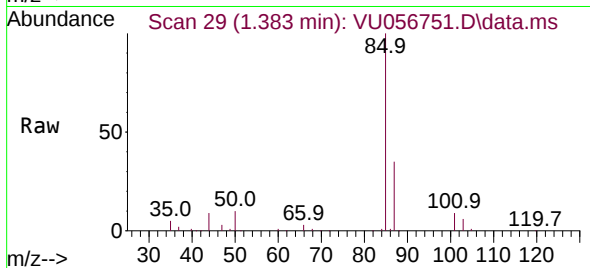




#2
 Dichlorodifluoromethane
 Concen: 2.415 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.003 min
 Lab File: VU056751.D
 Acq: 11 Dec 2023 22:57

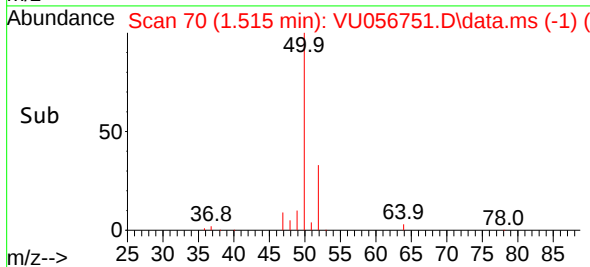
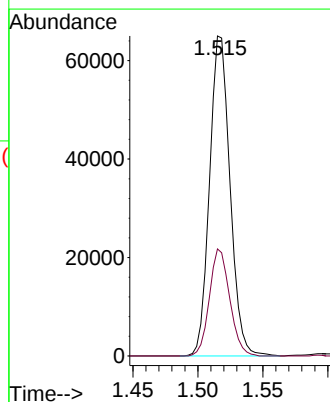
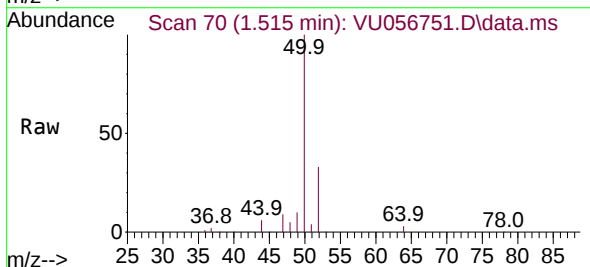
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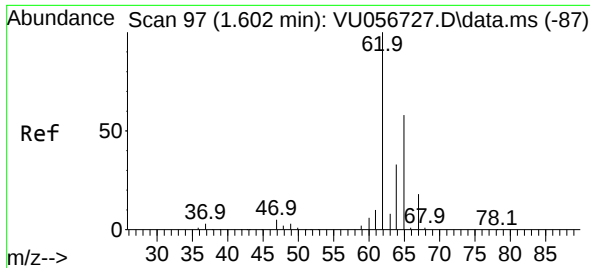
Tgt Ion: 85 Resp: 64885
 Ion Ratio Lower Upper
 85 100
 87 33.4 26.8 40.2



#3
 Chloromethane
 Concen: 2.695 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU056751.D
 Acq: 11 Dec 2023 22:57

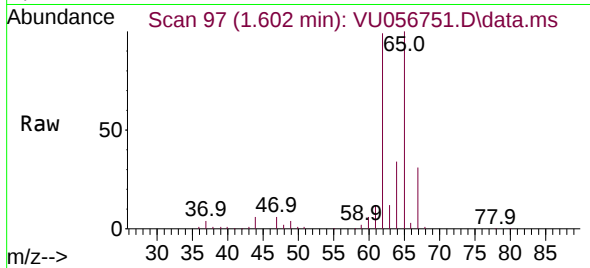
Tgt Ion: 50 Resp: 71204
 Ion Ratio Lower Upper
 50 100
 52 33.4 22.5 41.7



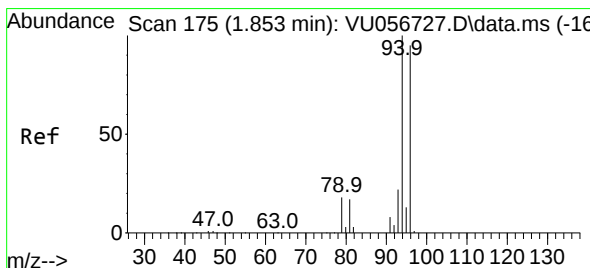
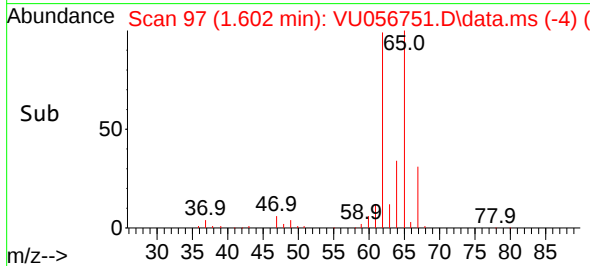
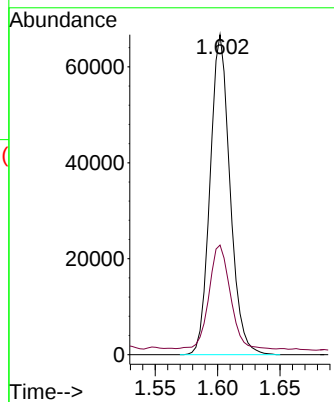


#5
 Vinyl chloride
 Concen: 2.831 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU056751.D
 Acq: 11 Dec 2023 22:57

Instrument :
 MSVOA_U
 ClientSampleId :

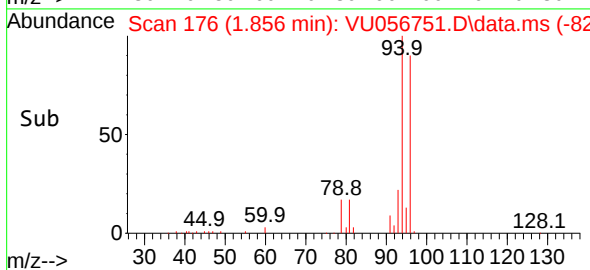
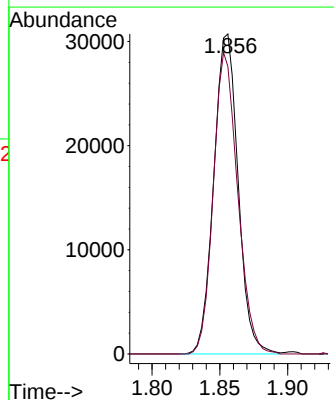
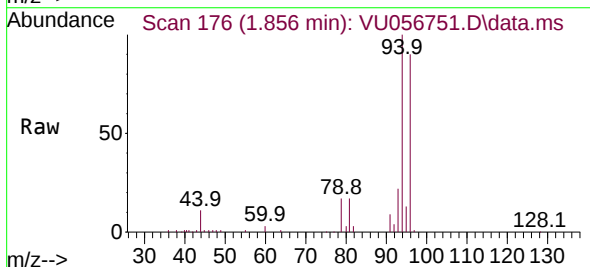


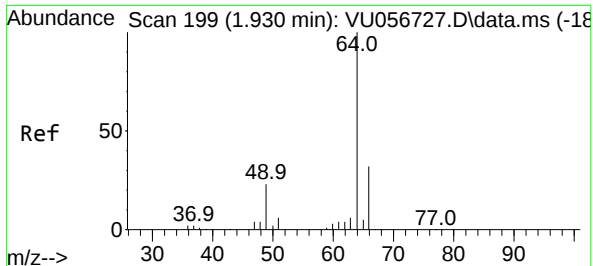
Tgt Ion: 62 Resp: 74296
 Ion Ratio Lower Upper
 62 100
 64 34.2 22.8 42.4



#6
 Bromomethane
 Concen: 2.478 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.003 min
 Lab File: VU056751.D
 Acq: 11 Dec 2023 22:57

Tgt Ion: 94 Resp: 38343
 Ion Ratio Lower Upper
 94 100
 96 89.9 67.8 125.8

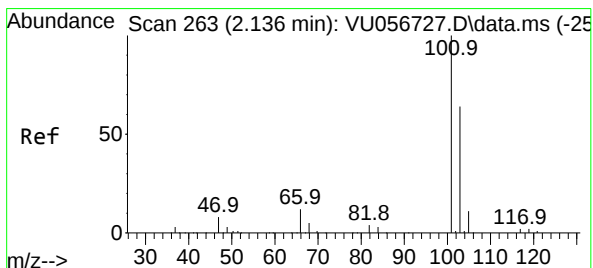
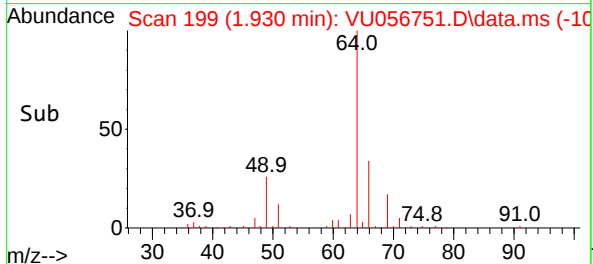
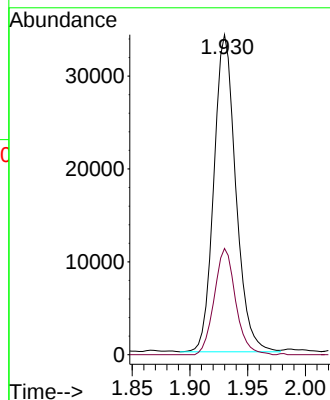
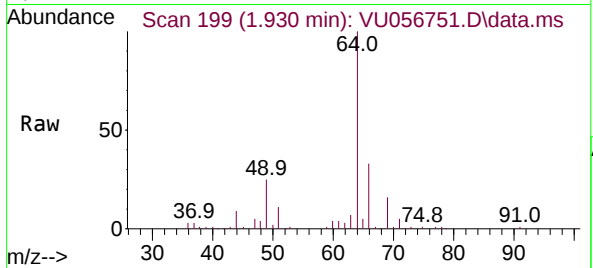




#8
Chloroethane
Concen: 2.934 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

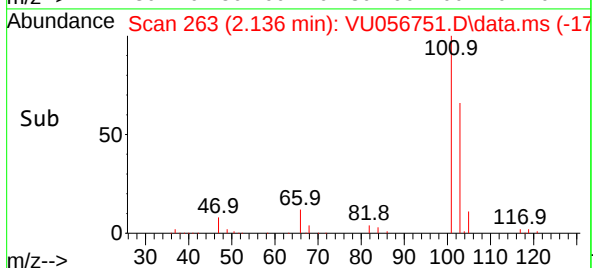
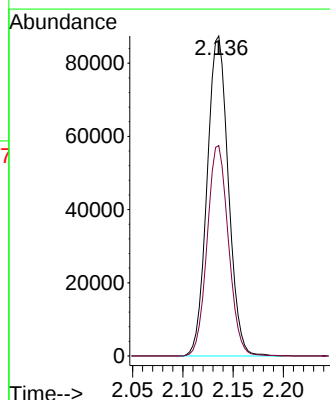
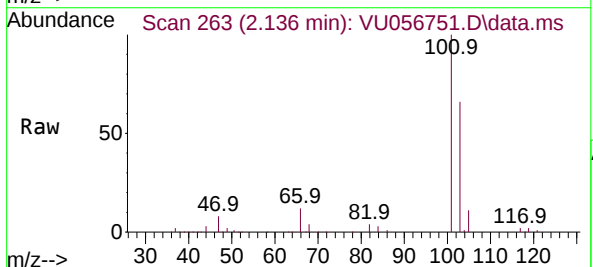
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ClientSampleId :

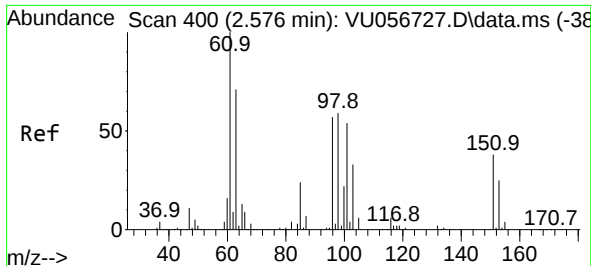
Tgt Ion: 64 Resp: 45096
Ion Ratio Lower Upper
64 100
66 33.2 21.4 39.8



#9
Trichlorofluoromethane
Concen: 3.471 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

Tgt Ion:101 Resp: 128366
Ion Ratio Lower Upper
101 100
103 65.8 51.4 77.2

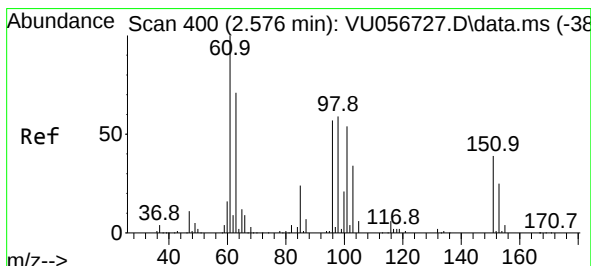
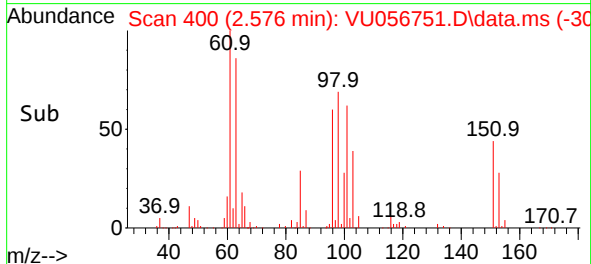
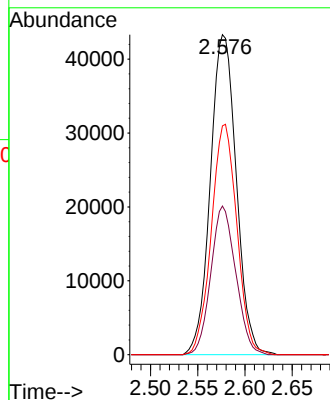
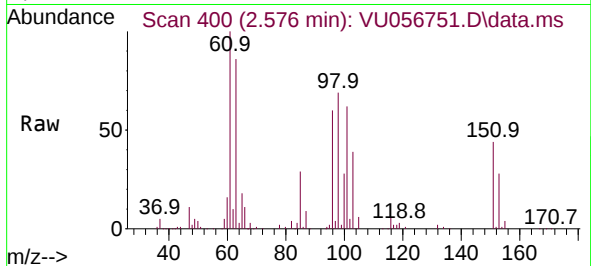




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.645 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056751.D
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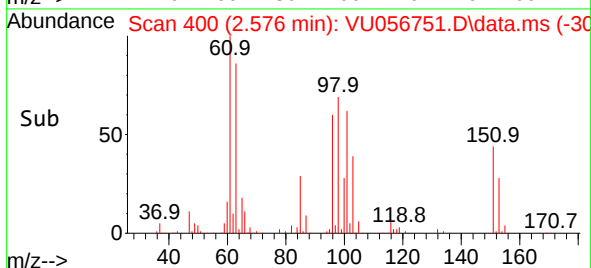
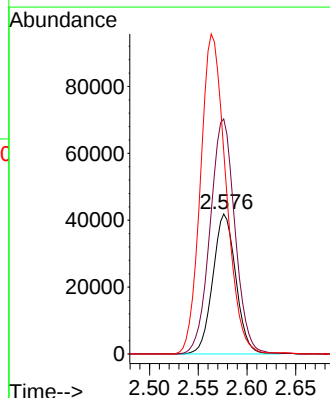
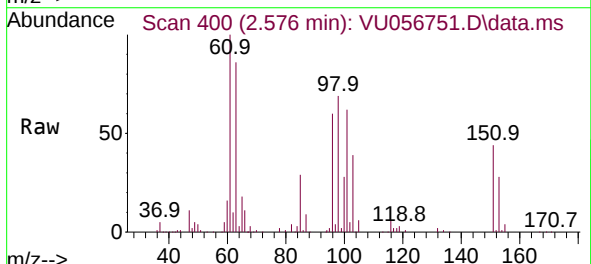
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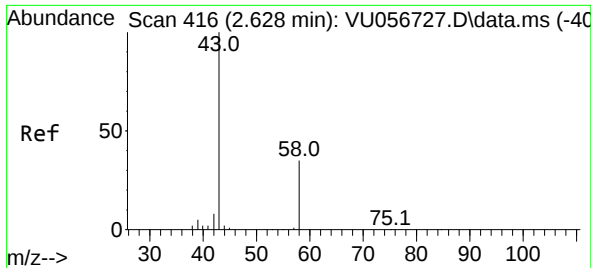
Tgt Ion:101 Resp: 82679
 Ion Ratio Lower Upper
 101 100
 85 44.6 35.2 52.8
 151 70.8 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 3.298 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056751.D
 Acq: 11 Dec 2023 22:57

Tgt Ion: 96 Resp: 68659
 Ion Ratio Lower Upper
 96 100
 61 167.9 119.0 221.0
 63 145.0 88.7 164.7





#13

Acetone

Concen: 55.270 ug/L

RT: 2.631 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU056751.D

Acq: 11 Dec 2023 22:57

Instrument :

MSVOA_U

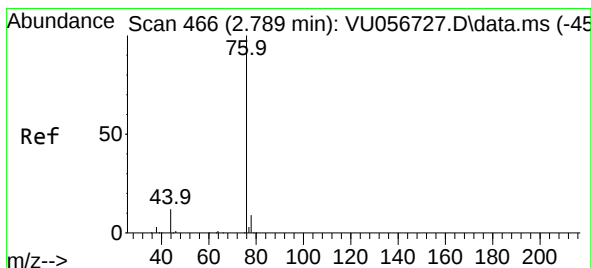
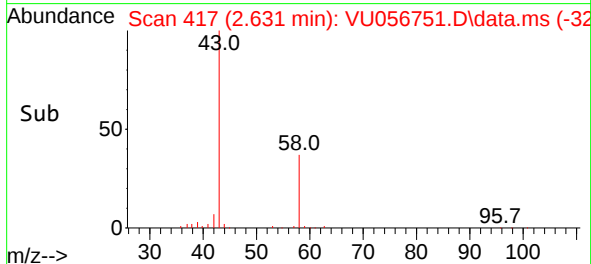
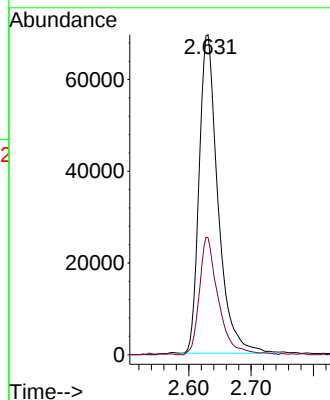
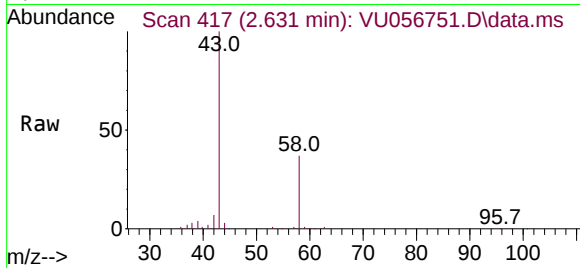
ClientSampleId :

Tgt Ion: 43 Resp: 146223

Ion Ratio Lower Upper

43 100

58 36.7 0.0 72.6



#14

Carbon disulfide

Concen: 2.003 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU056751.D

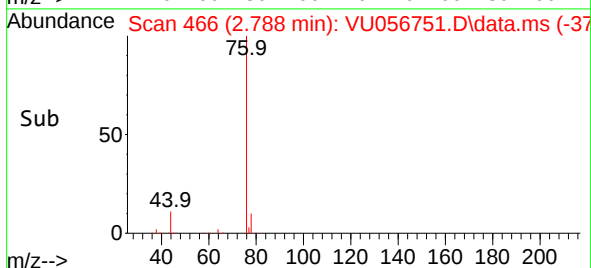
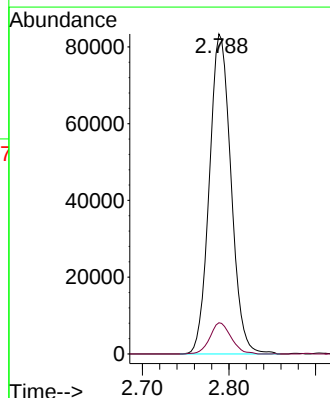
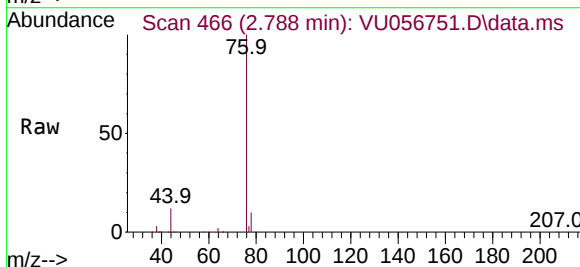
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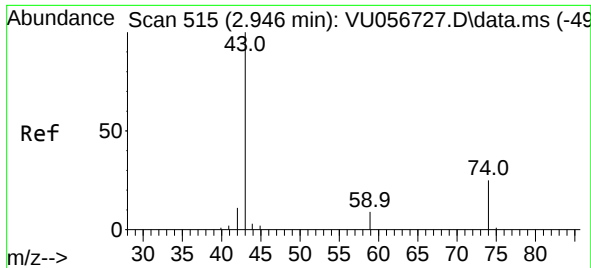
Tgt Ion: 76 Resp: 144684

Ion Ratio Lower Upper

76 100

78 9.8 7.3 10.9

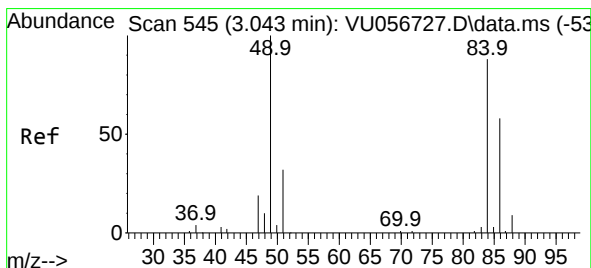
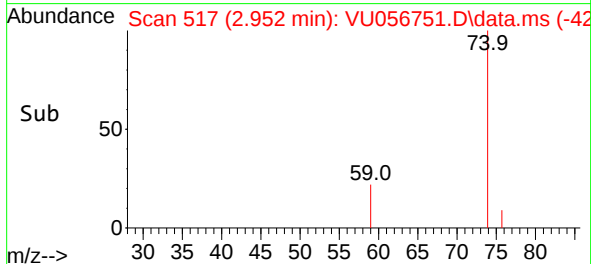
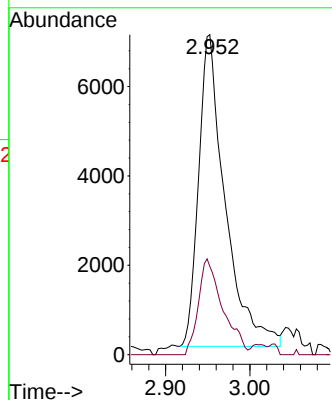
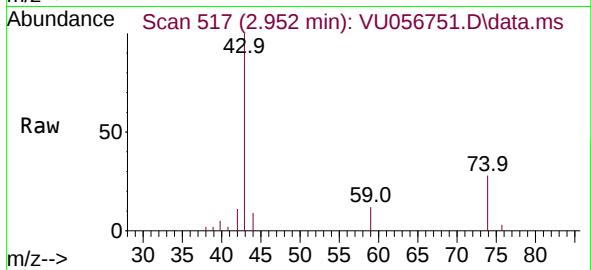




#15
Methyl Acetate
Concen: 2.118 ug/L
RT: 2.952 min Scan# 515
Delta R.T. 0.006 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

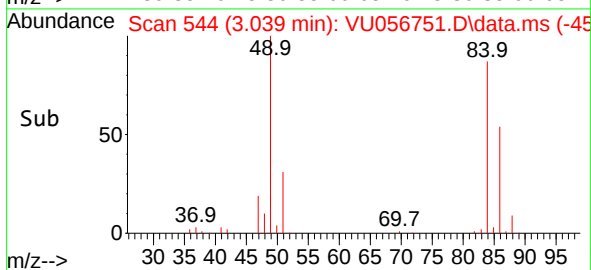
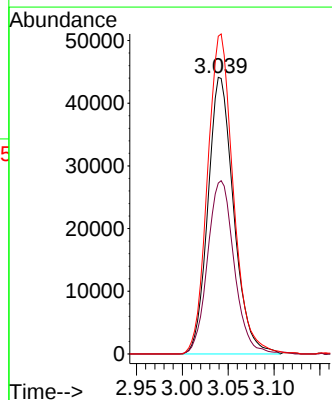
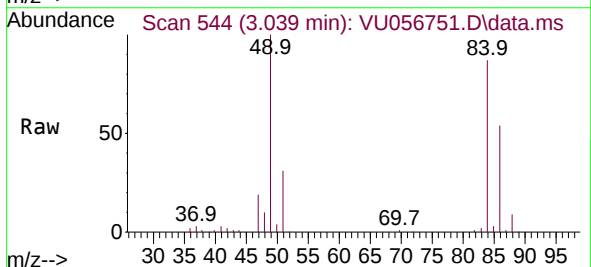
Instrument :
MSVOA_U
ClientSampleId :

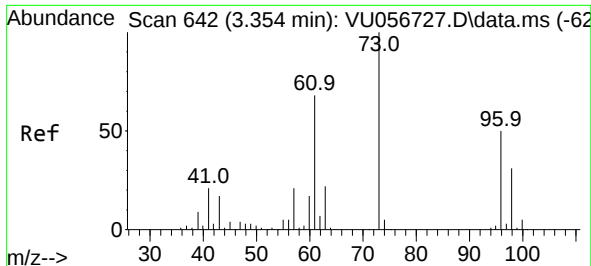
Tgt Ion: 43 Resp: 15250
Ion Ratio Lower Upper
43 100
74 28.2 21.0 31.6



#16
Methylene chloride
Concen: 3.797 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

Tgt Ion: 84 Resp: 86122
Ion Ratio Lower Upper
84 100
86 61.8 43.6 81.0
49 114.8 80.6 149.6





#17

Methyl tert-butyl Ether

Concen: 4.761 ug/L

RT: 3.354 min Scan# 64

Delta R.T. -0.000 min

Lab File: VU056751.D

Acq: 11 Dec 2023 22:57

Instrument :

MSVOA_U

ClientSampleId :

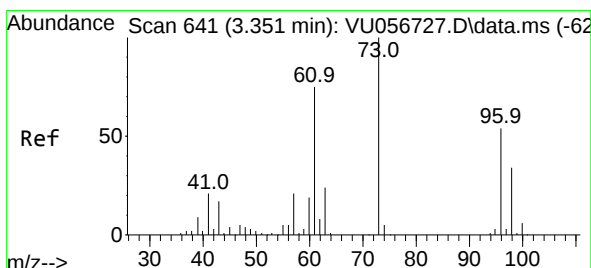
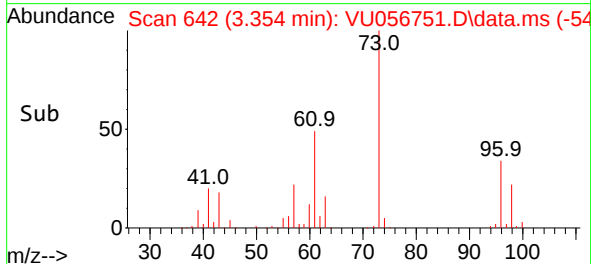
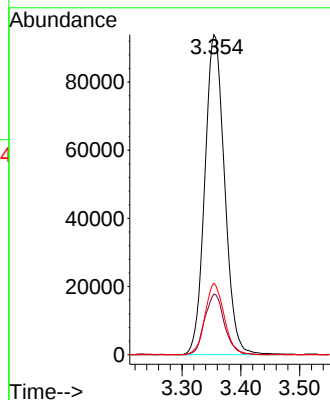
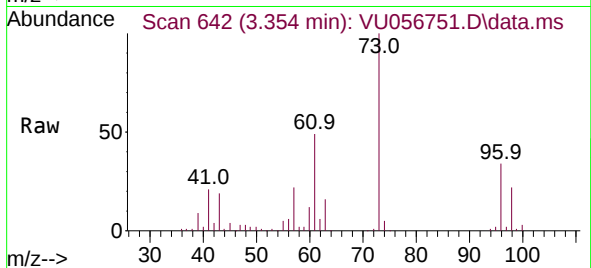
Tgt Ion: 73 Resp: 219818

Ion Ratio Lower Upper

73 100

43 18.8 14.4 21.6

57 21.6 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 3.393 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.003 min

Lab File: VU056751.D

Acq: 11 Dec 2023 22:57

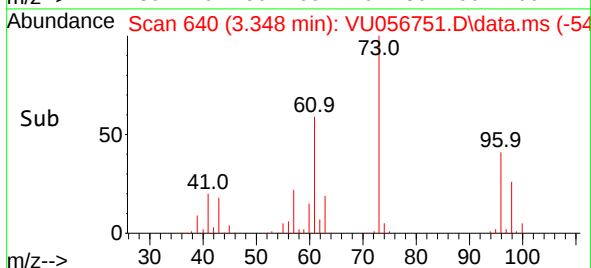
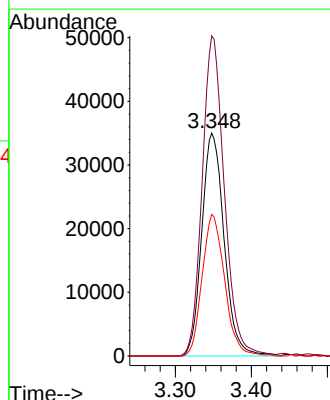
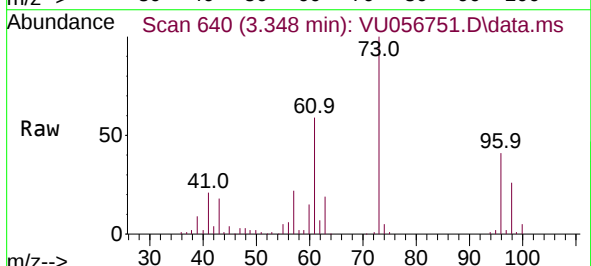
Tgt Ion: 96 Resp: 71629

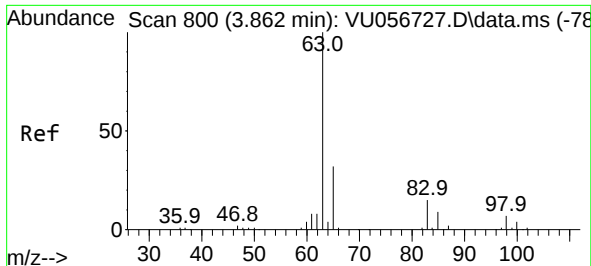
Ion Ratio Lower Upper

96 100

61 143.6 101.8 189.0

98 63.5 43.0 79.8





#19

1,1-Dichloroethane

Concen: 4.094 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056751.D

Acq: 11 Dec 2023 22:57

Instrument :

MSVOA_U

ClientSampleId :

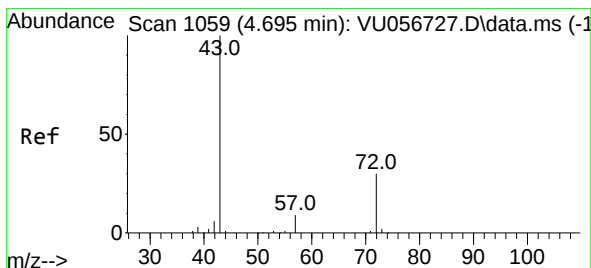
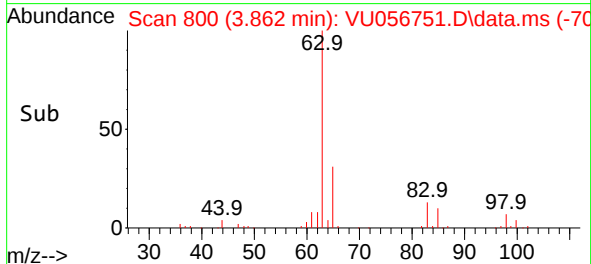
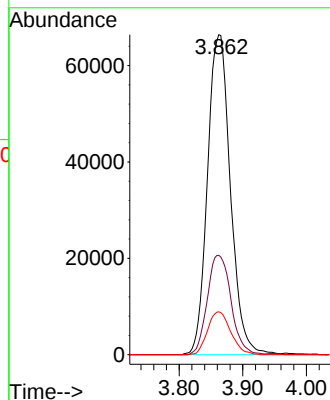
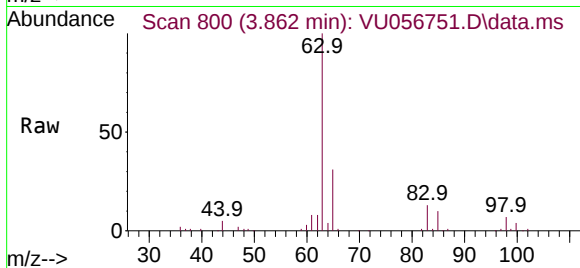
Tgt Ion: 63 Resp: 166257

Ion Ratio Lower Upper

63 100

65 31.1 22.9 42.5

83 13.4 10.1 18.9



#21

2-Butanone

Concen: 46.883 ug/L

RT: 4.701 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VU056751.D

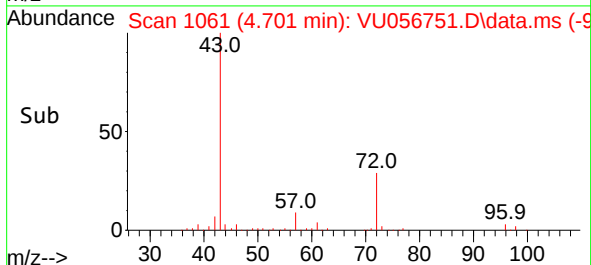
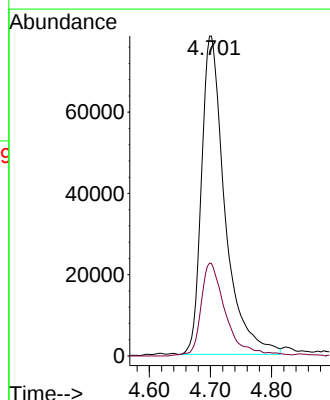
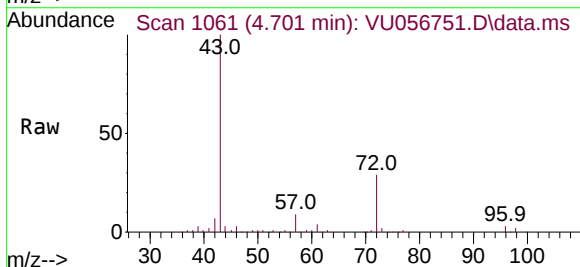
Acq: 11 Dec 2023 22:57

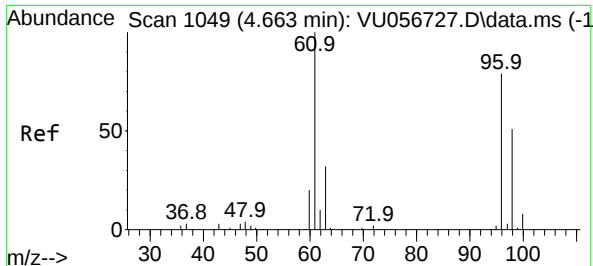
Tgt Ion: 43 Resp: 209170

Ion Ratio Lower Upper

43 100

72 30.1 14.6 43.8

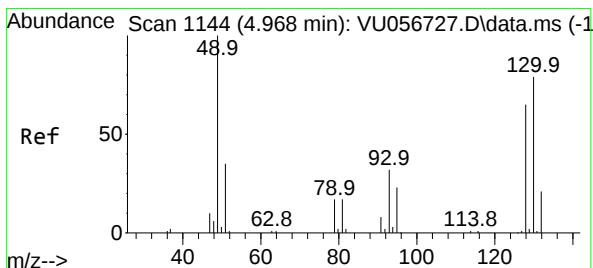
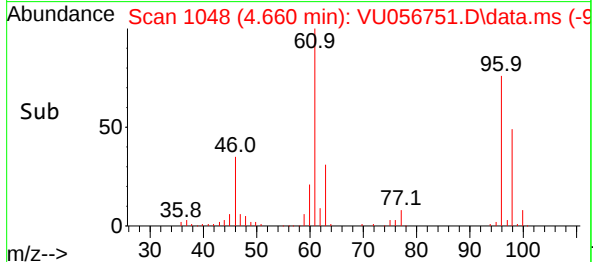
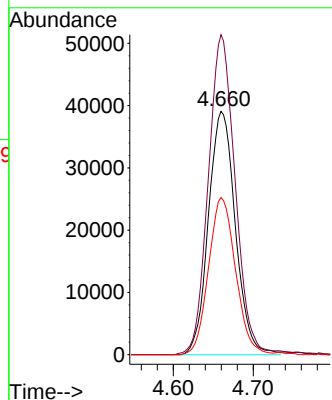
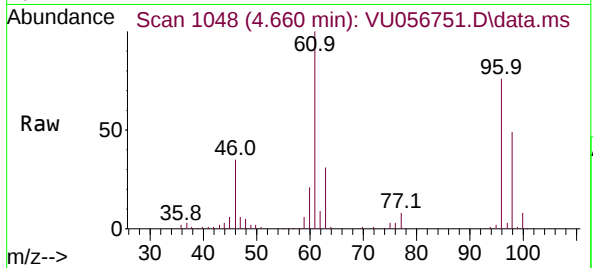




#22
 cis-1,2-Dichloroethene
 Concen: 3.990 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.003 min
 Lab File: VU056751.D
 Acq: 11 Dec 2023 22:57

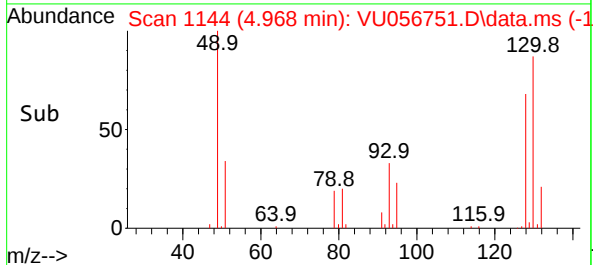
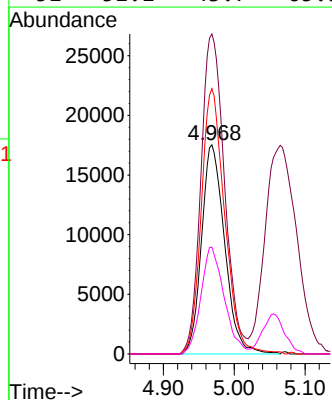
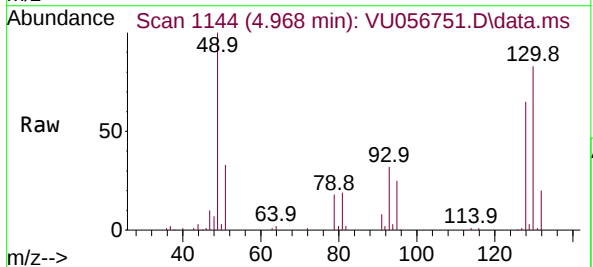
Instrument :
 MSVOA_U
 ClientSampleId :

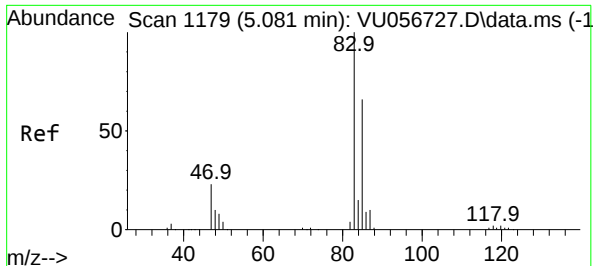
Tgt Ion: 96 Resp: 91623
 Ion Ratio Lower Upper
 96 100
 61 131.5 91.3 169.6
 98 64.6 44.2 82.0



#23
 Bromochloromethane
 Concen: 4.121 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.000 min
 Lab File: VU056751.D
 Acq: 11 Dec 2023 22:57

Tgt Ion: 128 Resp: 39621
 Ion Ratio Lower Upper
 128 100
 49 153.0 113.8 211.3
 130 126.8 90.6 168.3
 51 51.1 43.7 65.5





#25

Chloroform

Concen: 7.729 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU056751.D

Acq: 11 Dec 2023 22:57

Instrument :

MSVOA_U

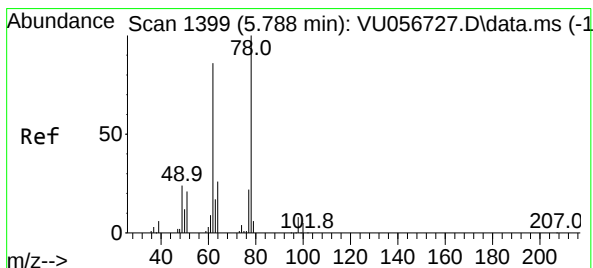
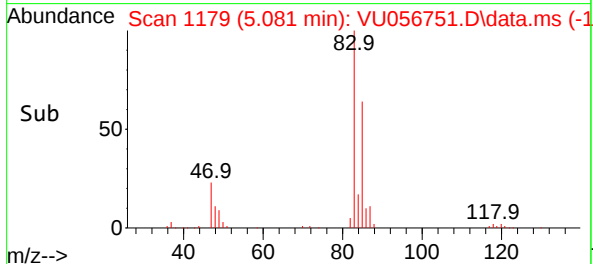
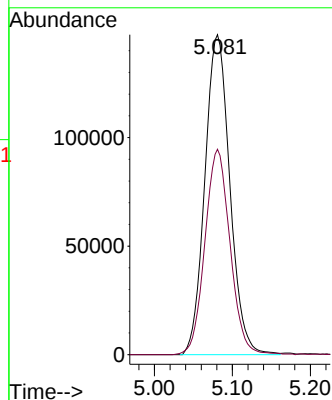
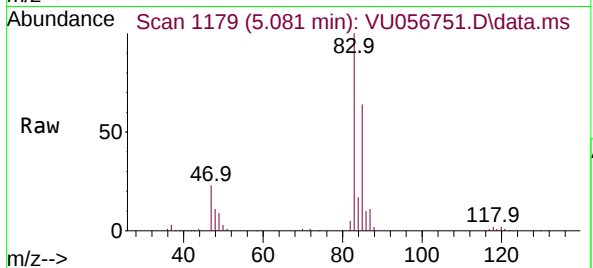
ClientSampleId :

Tgt Ion: 83 Resp: 328800

Ion Ratio Lower Upper

83 100

85 64.2 45.8 85.0



#27

1,2-Dichloroethane

Concen: 4.093 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU056751.D

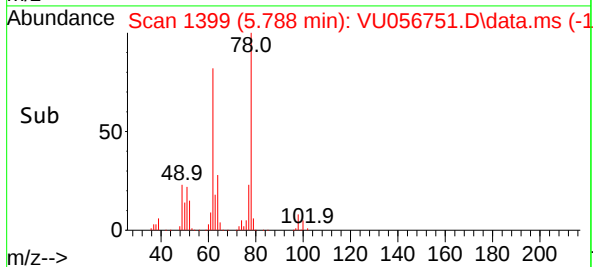
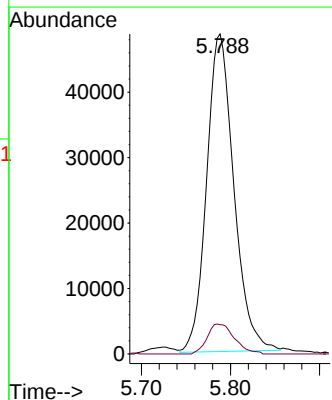
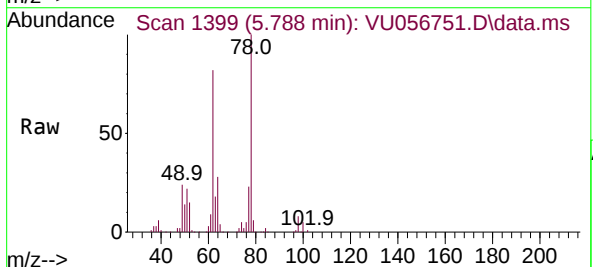
Acq: 11 Dec 2023 22:57

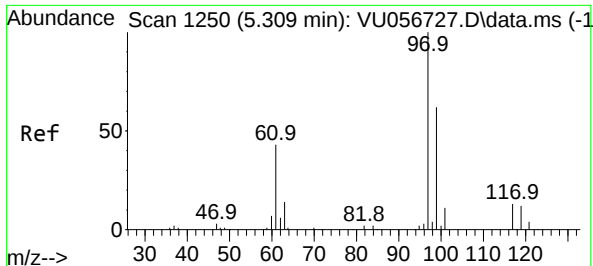
Tgt Ion: 62 Resp: 102974

Ion Ratio Lower Upper

62 100

98 9.2 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 4.098 ug/L

RT: 5.309 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056751.D

Acq: 11 Dec 2023 22:57

Instrument :

MSVOA_U

ClientSampleId :

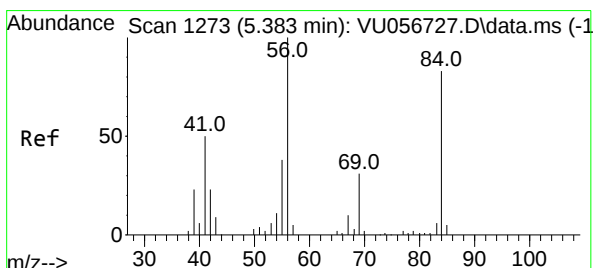
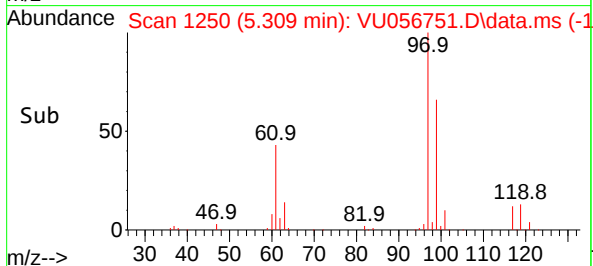
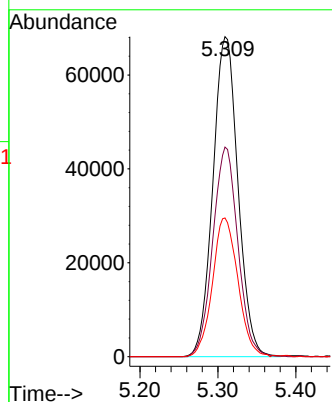
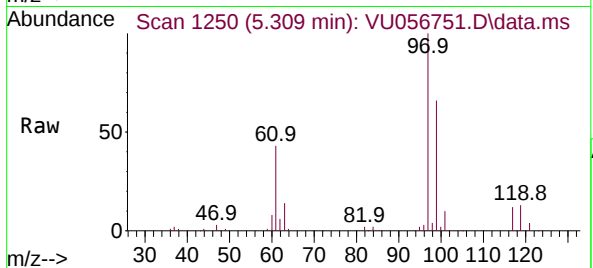
Tgt Ion: 97 Resp: 152613

Ion Ratio Lower Upper

97 100

99 65.6 52.5 78.7

61 44.0 34.2 51.2



#30

Cyclohexane

Concen: 2.915 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU056751.D

Acq: 11 Dec 2023 22:57

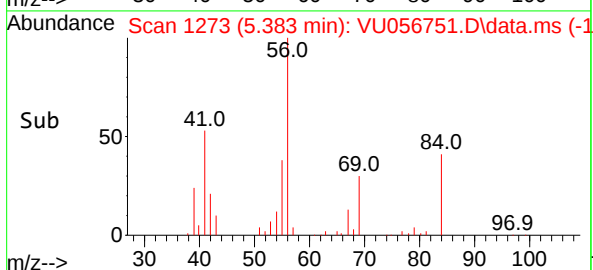
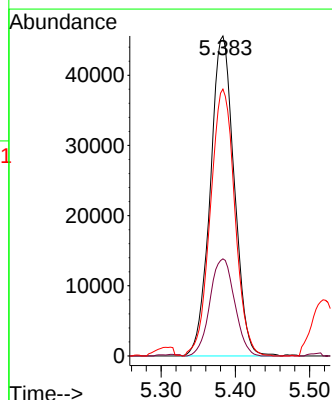
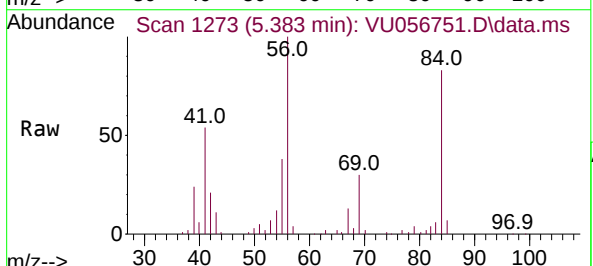
Tgt Ion: 56 Resp: 101891

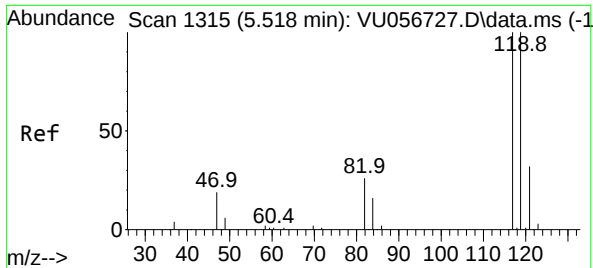
Ion Ratio Lower Upper

56 100

69 31.3 24.9 37.3

84 85.3 67.6 101.4

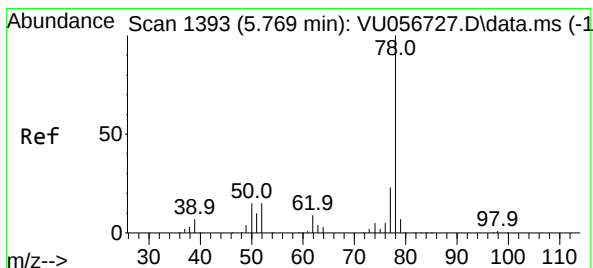
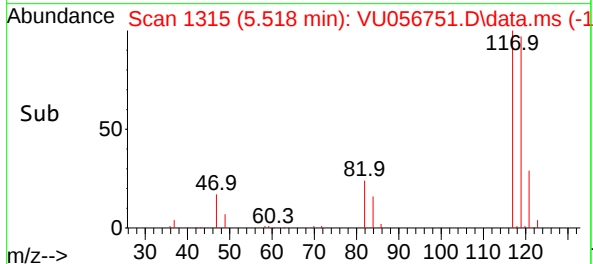
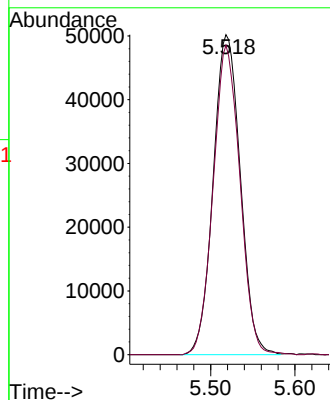
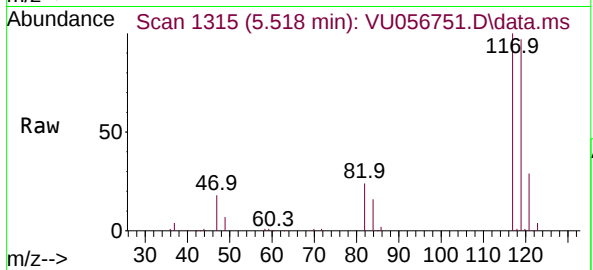




#31
Carbon tetrachloride
Concen: 3.461 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

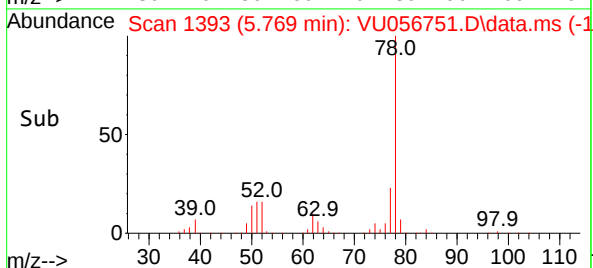
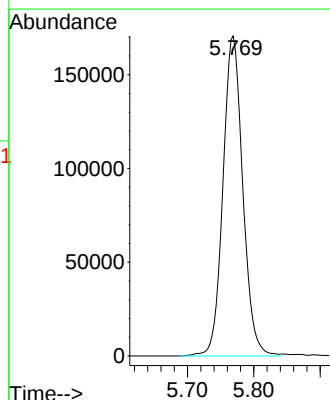
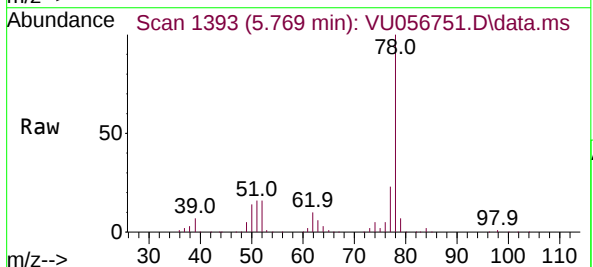
Instrument :
MSVOA_U
ClientSampleId :

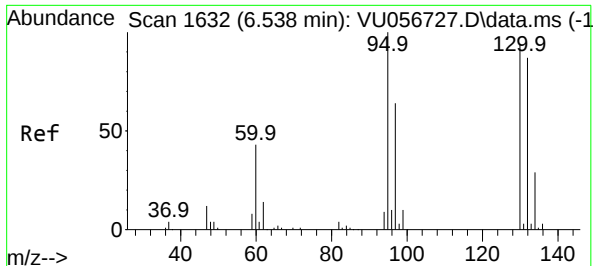
Tgt Ion:117 Resp: 112004
Ion Ratio Lower Upper
117 100
119 95.4 76.2 114.4



#33
Benzene
Concen: 3.915 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

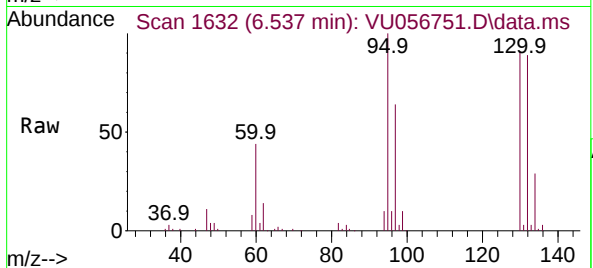
Tgt Ion: 78 Resp: 354479





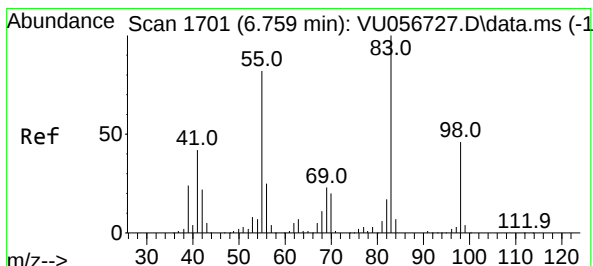
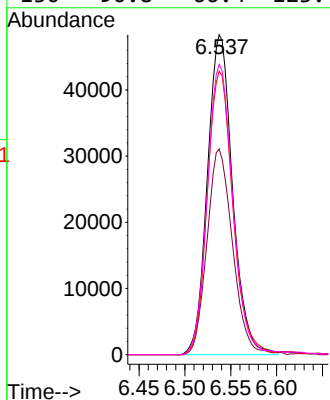
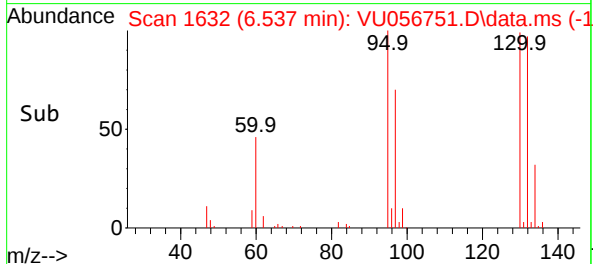
#34
Trichloroethene
Concen: 3.722 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

Instrument :
MSVOA_U
ClientSampleId :

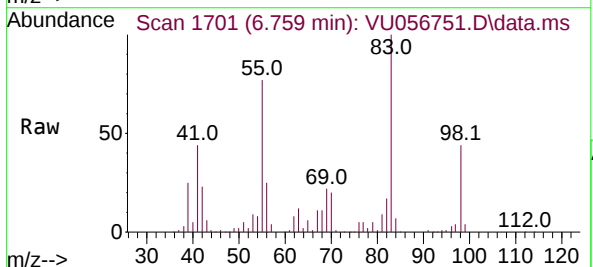


Tgt Ion: 95 Resp: 92430

Ion	Ratio	Lower	Upper
95	100		
97	64.3	46.1	85.5
132	88.6	63.6	118.0
130	90.8	66.4	123.4

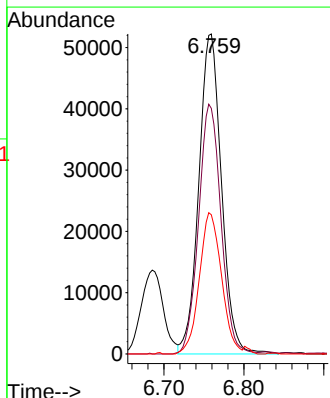
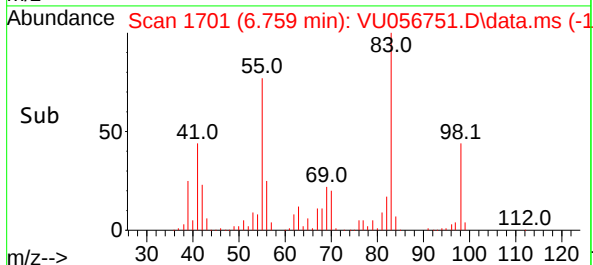


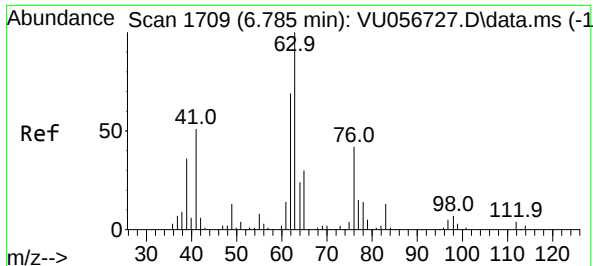
#35
Methylcyclohexane
Concen: 2.809 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57



Tgt Ion: 83 Resp: 102963

Ion	Ratio	Lower	Upper
83	100		
55	77.2	64.6	97.0
98	43.1	36.1	54.1





#37

1,2-Dichloropropane

Concen: 4.236 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056751.D

Acq: 11 Dec 2023 22:57

Instrument :

MSVOA_U

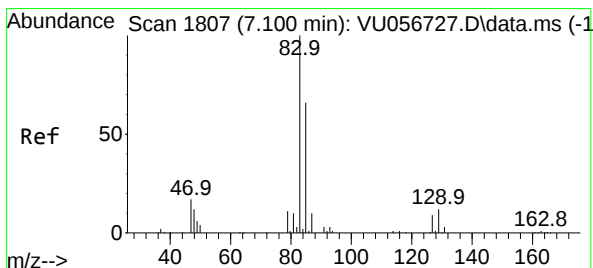
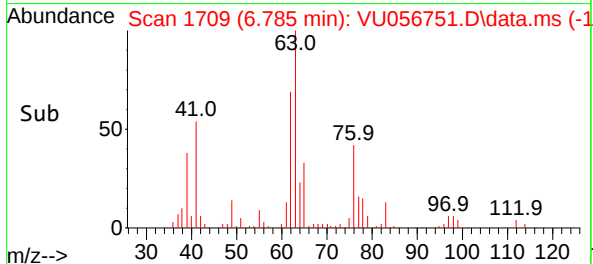
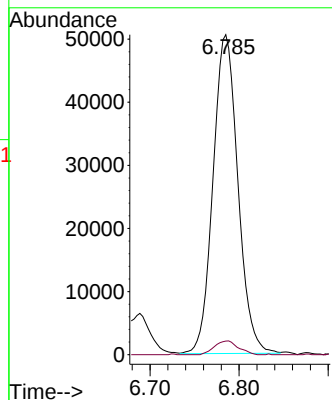
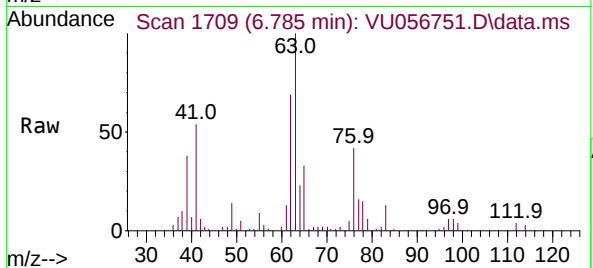
ClientSampleId :

Tgt Ion: 63 Resp: 98099

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 3.325 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU056751.D

Acq: 11 Dec 2023 22:57

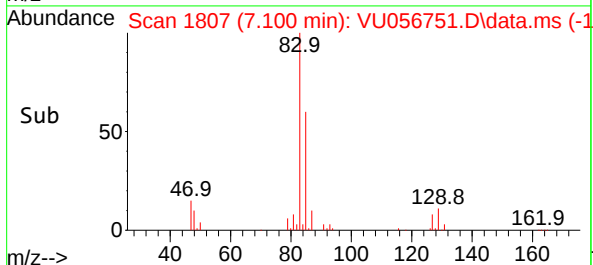
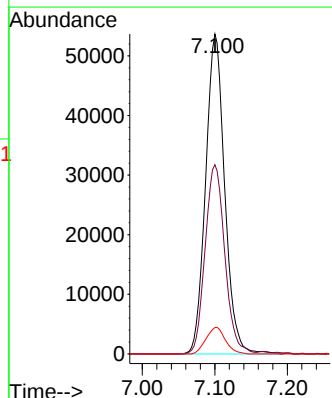
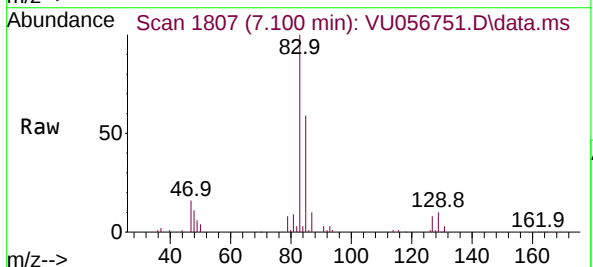
Tgt Ion: 83 Resp: 98211

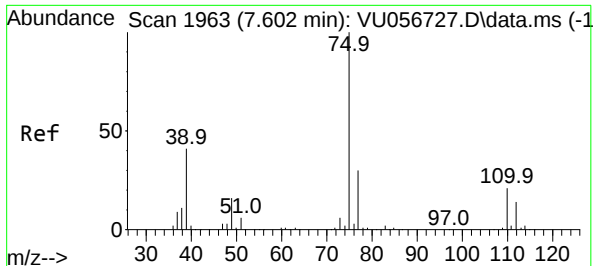
Ion Ratio Lower Upper

83 100

85 59.2 45.0 83.6

127 8.2 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 3.432 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU056751.D

Acq: 11 Dec 2023 22:57

Instrument :

MSVOA_U

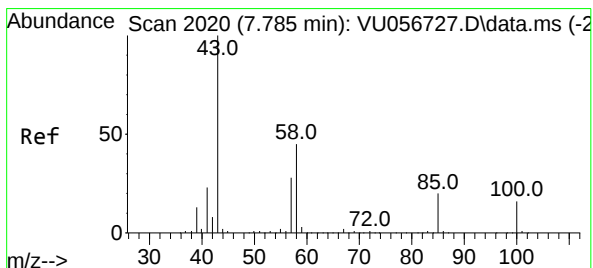
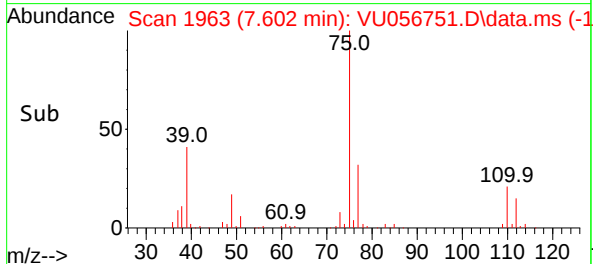
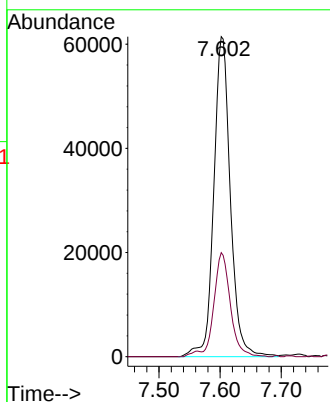
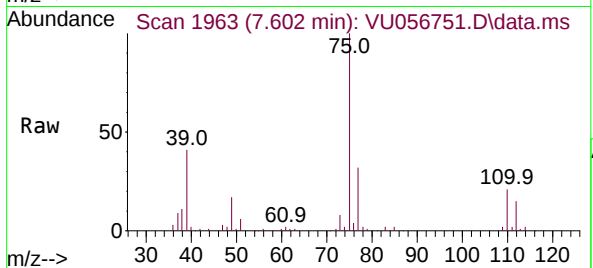
ClientSampleId :

Tgt Ion: 75 Resp: 115829

Ion Ratio Lower Upper

75 100

77 32.5 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 48.362 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU056751.D

Acq: 11 Dec 2023 22:57

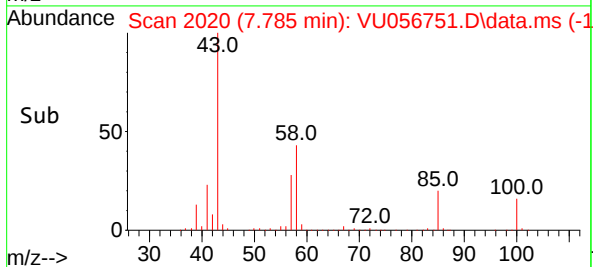
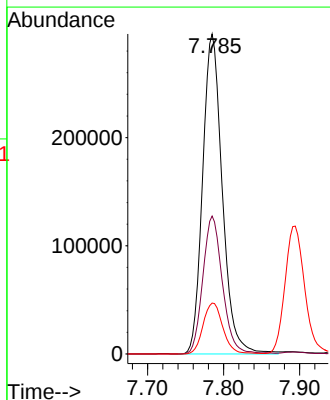
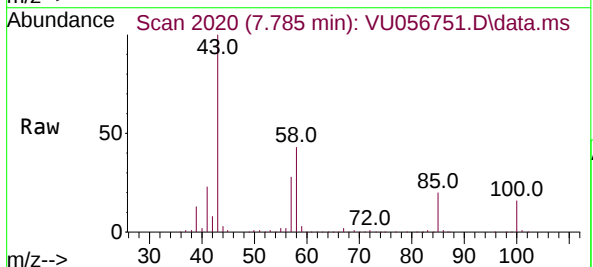
Tgt Ion: 43 Resp: 531853

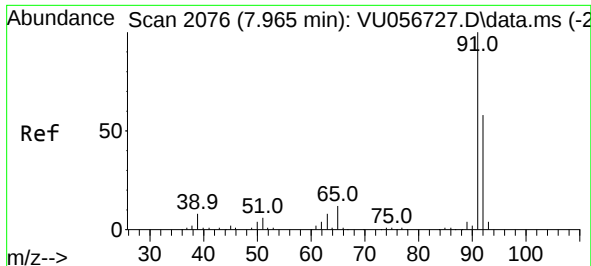
Ion Ratio Lower Upper

43 100

58 42.9 33.7 50.5

100 16.1 13.0 19.4





#42

Toluene

Concen: 3.784 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056751.D

Acq: 11 Dec 2023 22:57

Instrument :

MSVOA_U

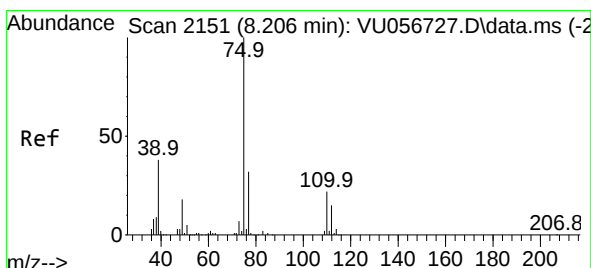
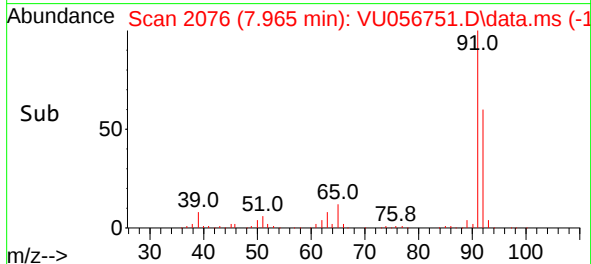
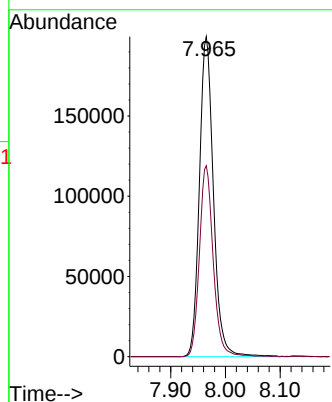
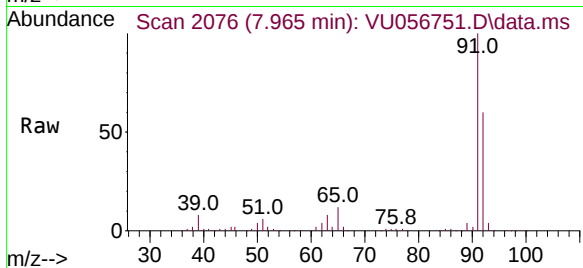
ClientSampleId :

Tgt Ion: 91 Resp: 354516

Ion Ratio Lower Upper

91 100

92 59.6 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 3.495 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056751.D

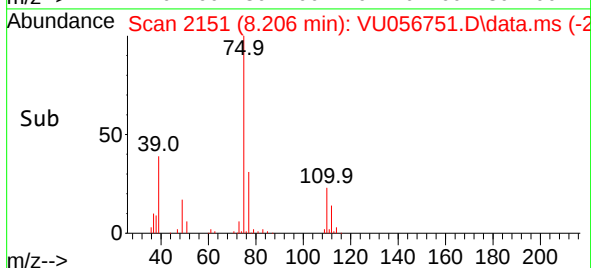
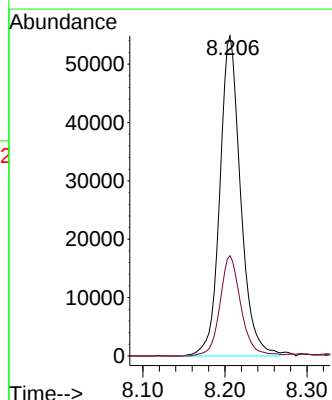
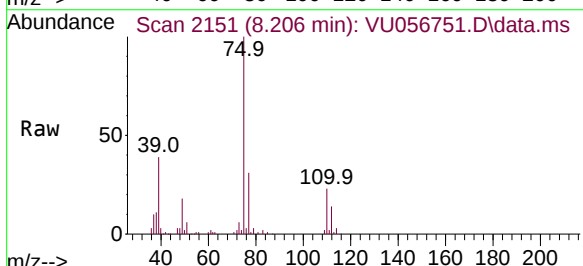
Acq: 11 Dec 2023 22:57

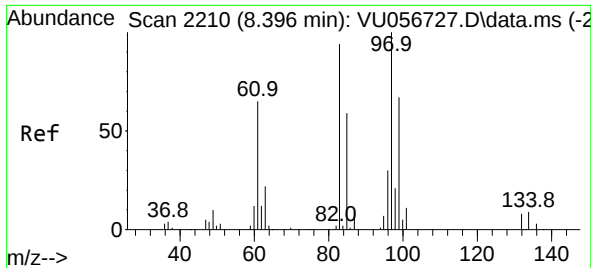
Tgt Ion: 75 Resp: 96697

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.4

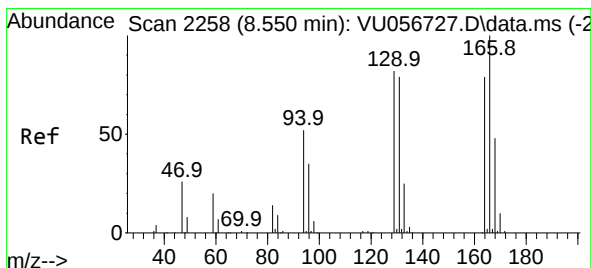
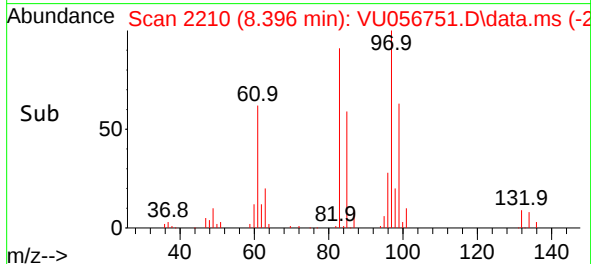
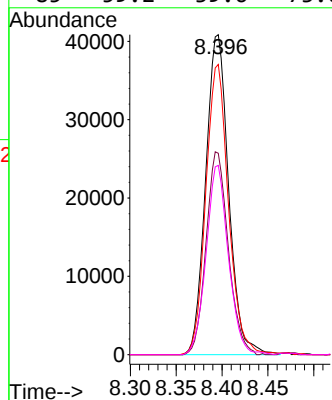
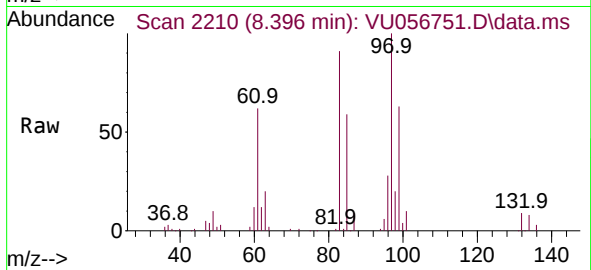




#45
1,1,2-Trichloroethane
Concen: 4.555 ug/L
RT: 8.396 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

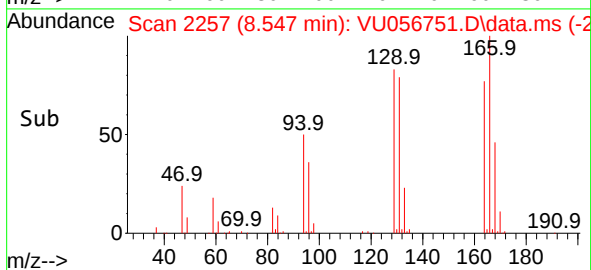
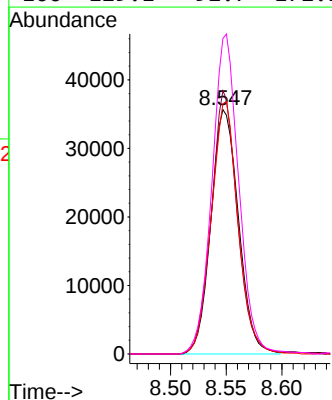
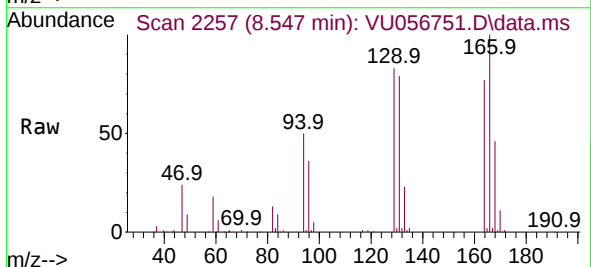
Instrument :
MSVOA_U
ClientSampleId :

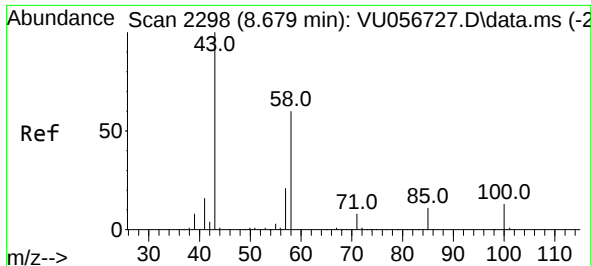
Tgt Ion:	97	Resp:	71322
Ion	Ratio	Lower	Upper
97	100		
99	63.0	41.9	77.9
83	90.7	59.1	109.7
85	59.2	39.6	73.6



#47
Tetrachloroethene
Concen: 3.532 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

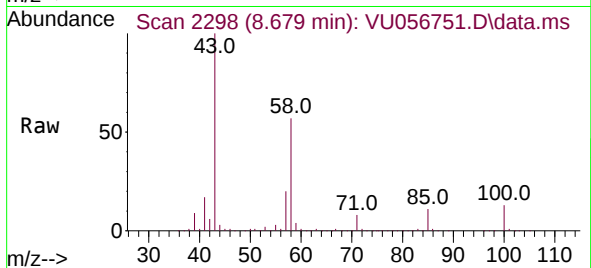
Tgt Ion:	164	Resp:	61383
Ion	Ratio	Lower	Upper
164	100		
129	107.7	73.4	136.4
131	102.4	71.5	132.9
166	129.1	92.7	172.1



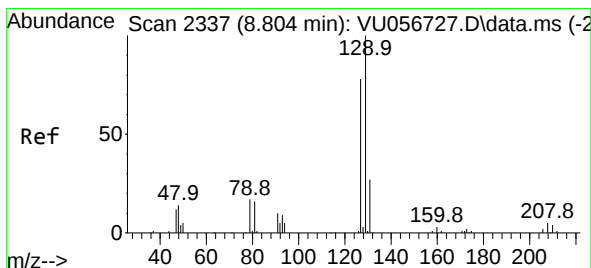
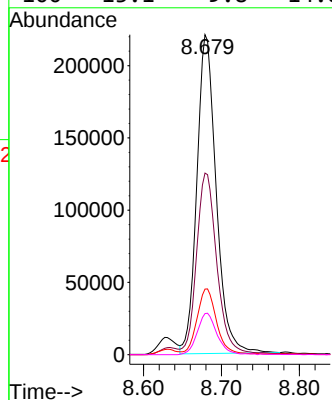
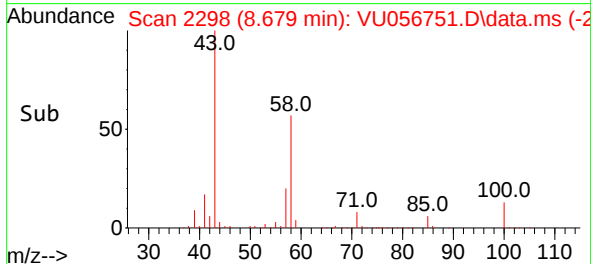


#48
2-Hexanone
Concen: 48.589 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

Instrument :
MSVOA_U
ClientSampleId :

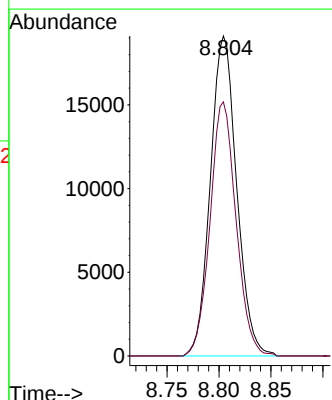
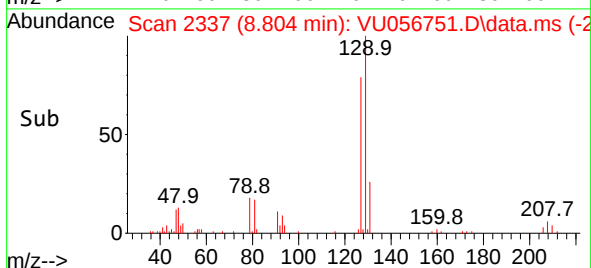
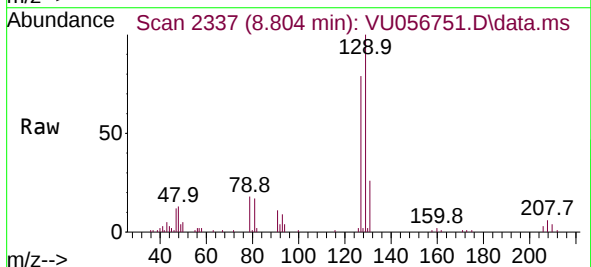


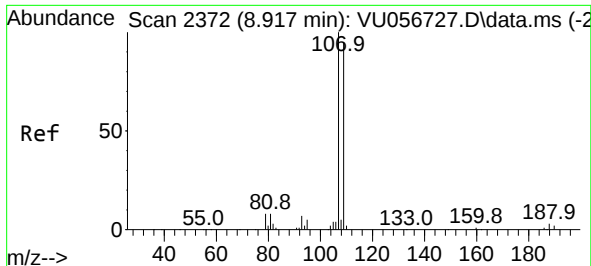
Tgt Ion:	43	Resp:	380573
Ion	Ratio	Lower	Upper
43	100		
58	58.4	47.5	71.3
57	20.4	17.0	25.4
100	13.1	9.8	14.8



#49
Dibromochloromethane
Concen: 1.874 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

Tgt Ion:	129	Resp:	33723
Ion	Ratio	Lower	Upper
129	100		
127	79.4	53.9	100.1





#50

1,2-Dibromoethane

Concen: 4.220 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU056751.D

Acq: 11 Dec 2023 22:57

Instrument :

MSVOA_U

ClientSampleId :

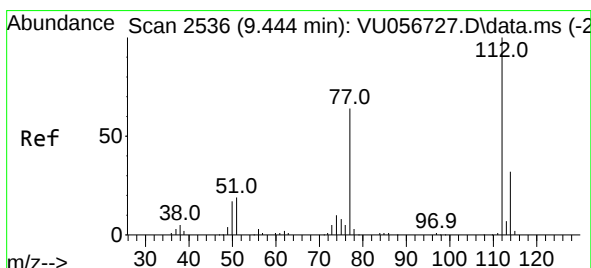
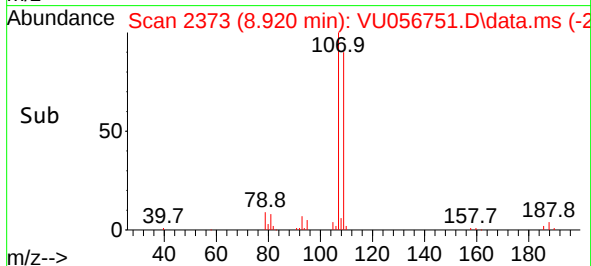
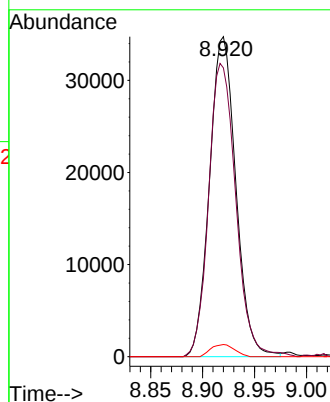
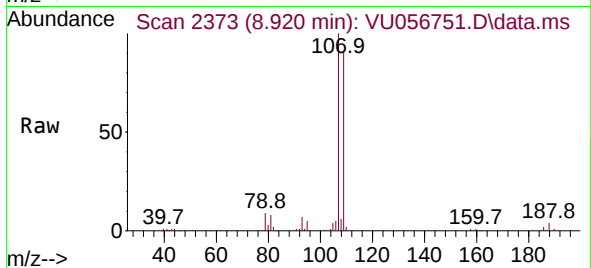
Tgt Ion:107 Resp: 61325

Ion Ratio Lower Upper

107 100

109 90.2 66.5 123.5

188 3.8 2.9 4.3



#51

Chlorobenzene

Concen: 4.151 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU056751.D

Acq: 11 Dec 2023 22:57

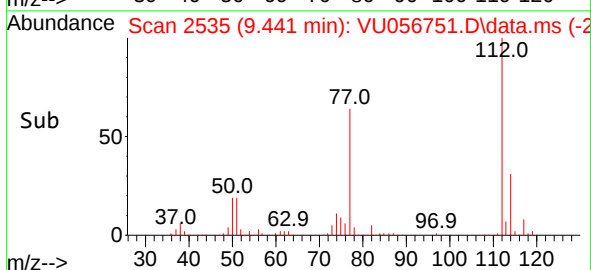
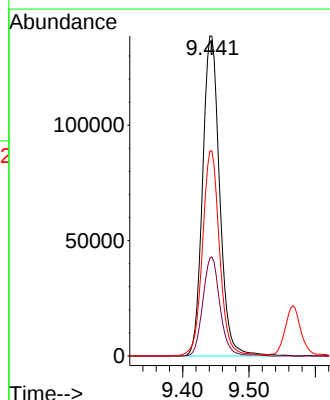
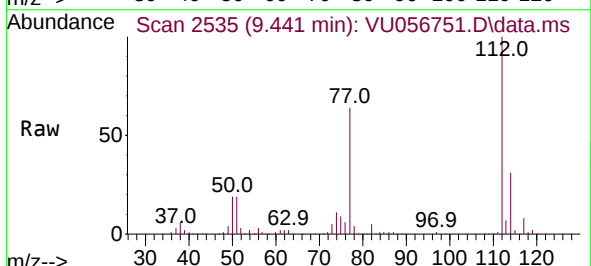
Tgt Ion:112 Resp: 247829

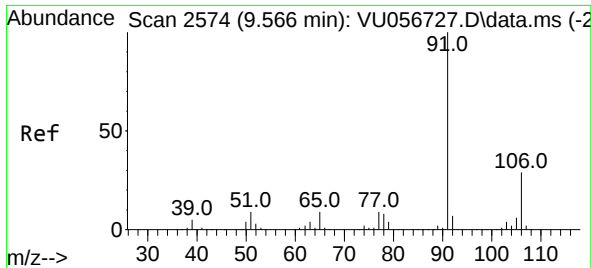
Ion Ratio Lower Upper

112 100

114 30.5 21.9 40.7

77 64.0 51.6 77.4

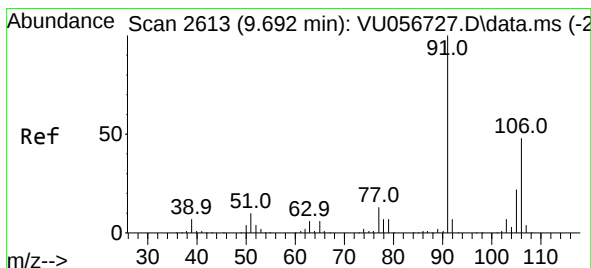
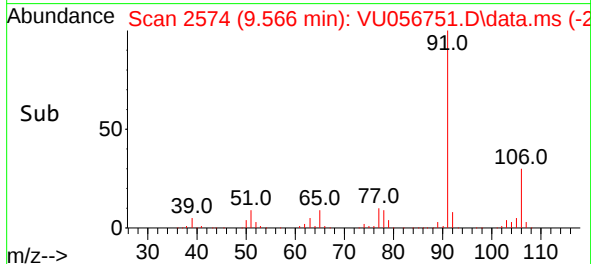
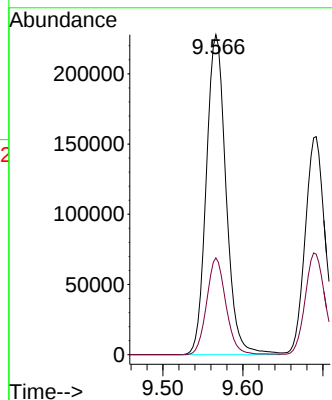
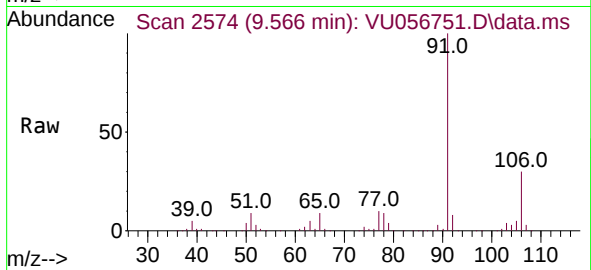




#52
Ethylbenzene
Concen: 3.786 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

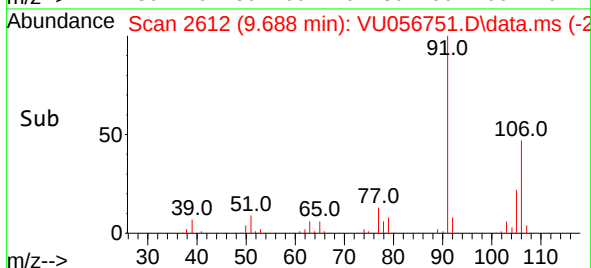
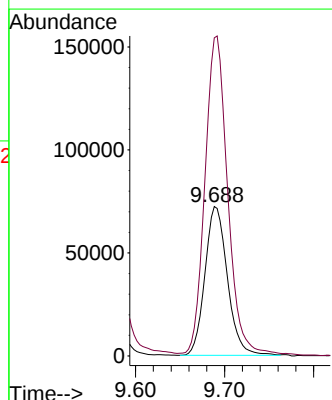
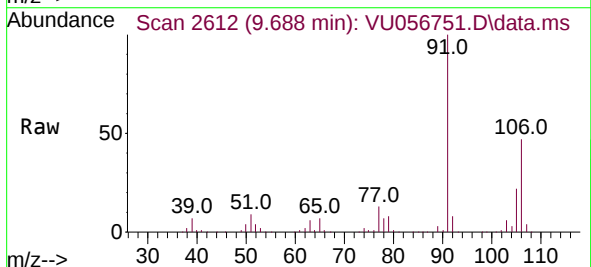
Instrument :
MSVOA_U
ClientSampleId :

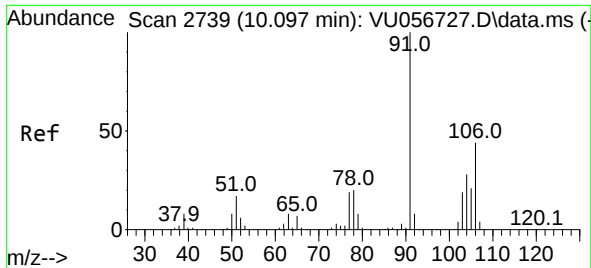
Tgt Ion: 91 Resp: 391235
Ion Ratio Lower Upper
91 100
106 30.3 20.6 38.4



#53
m,p-Xylene
Concen: 3.281 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

Tgt Ion:106 Resp: 126310
Ion Ratio Lower Upper
106 100
91 212.8 154.0 286.0

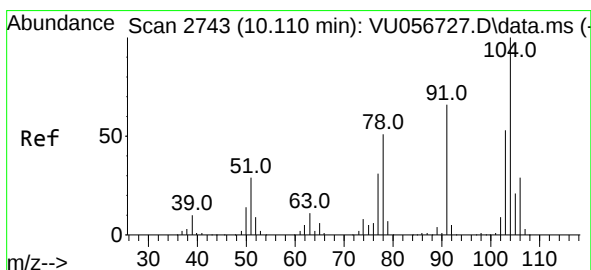
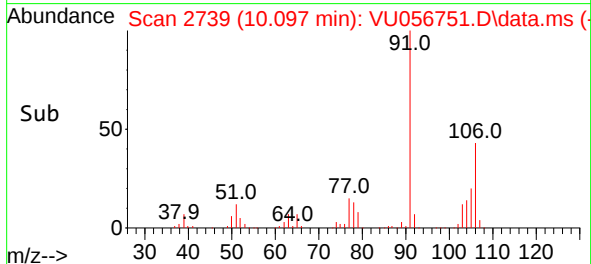
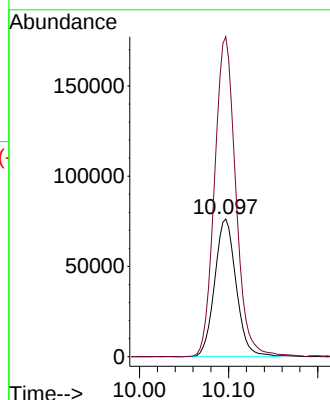
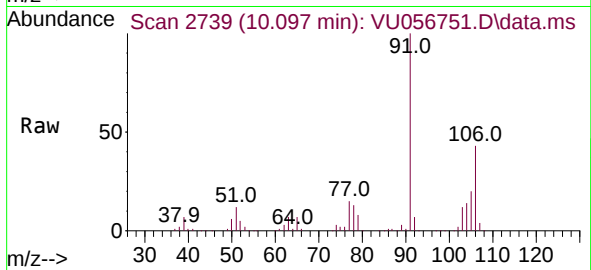




#54
o-Xylene
Concen: 3.483 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

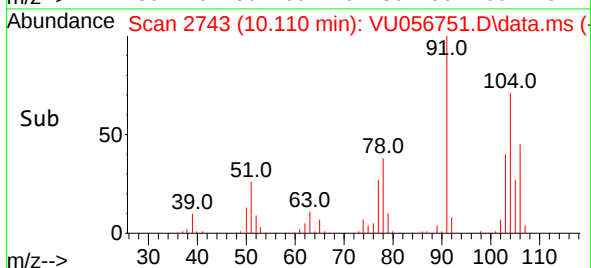
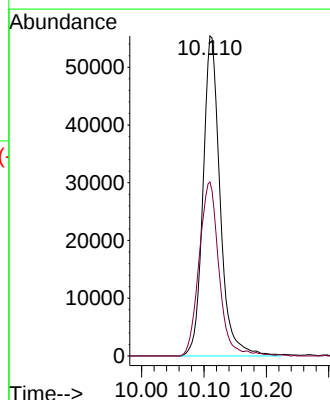
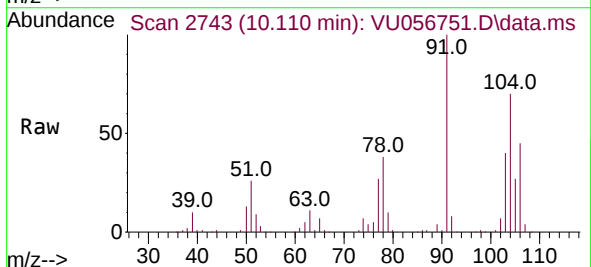
Instrument :
MSVOA_U
ClientSampleId :

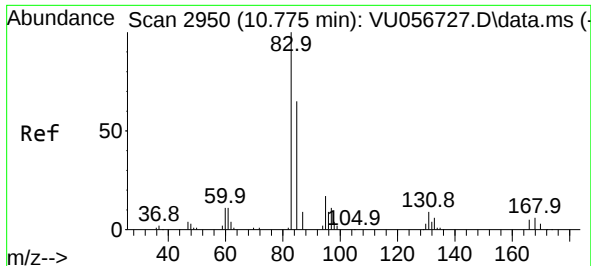
Tgt Ion:106 Resp: 127768
Ion Ratio Lower Upper
106 100
91 232.4 160.2 297.6



#55
Styrene
Concen: 1.757 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

Tgt Ion:104 Resp: 105821
Ion Ratio Lower Upper
104 100
78 54.3 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 4.807 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU056751.D

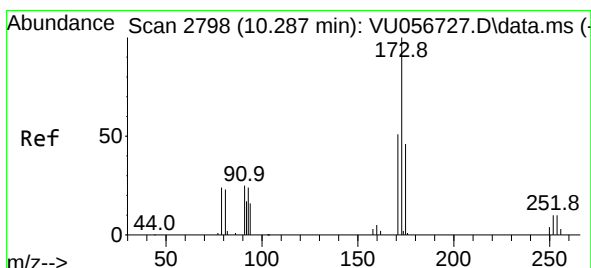
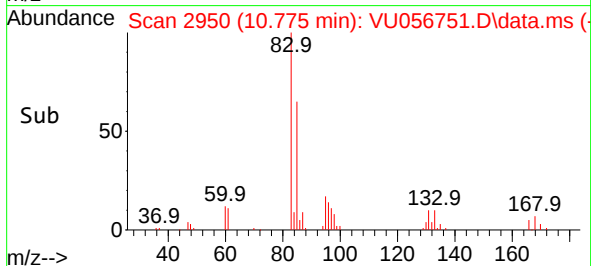
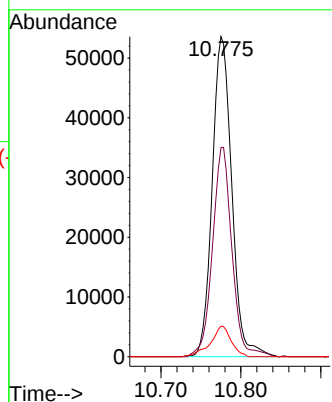
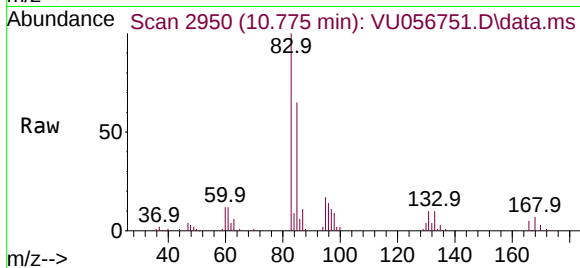
Acq: 11 Dec 2023 22:57

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	90930
Ion Ratio	Lower	Upper	
83	100		
85	65.4	45.4	84.4
131	9.5	6.6	9.8



#59

Bromoform

Concen: 1.251 ug/L

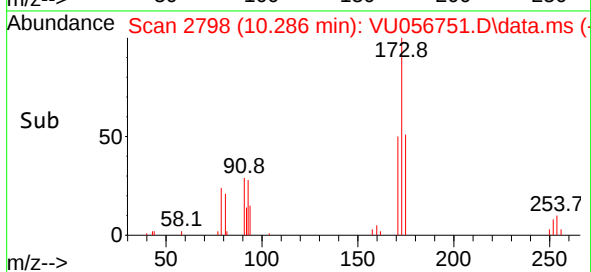
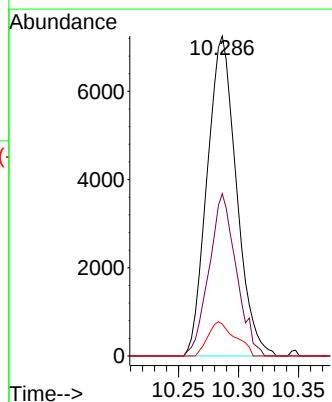
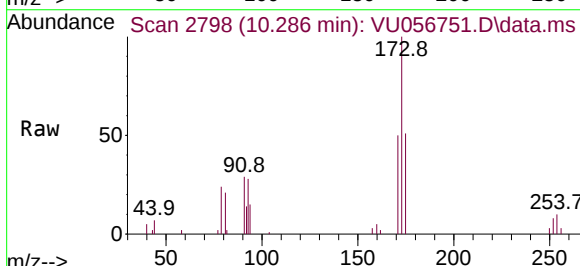
RT: 10.286 min Scan# 2798

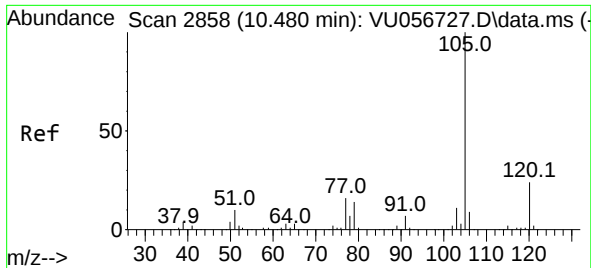
Delta R.T. -0.000 min

Lab File: VU056751.D

Acq: 11 Dec 2023 22:57

Tgt Ion:	173	Resp:	12300
Ion Ratio	Lower	Upper	
173	100		
175	47.2	38.2	57.2
254	9.9	7.0	10.4

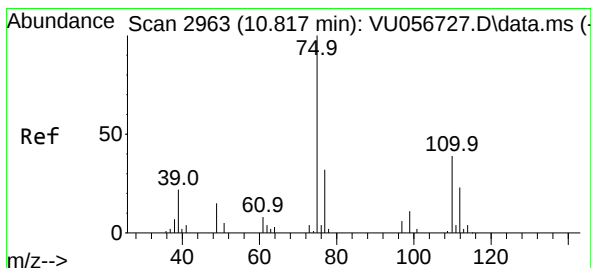
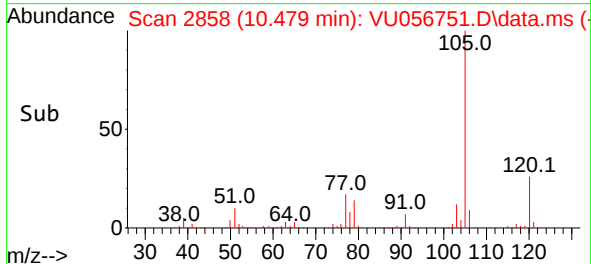
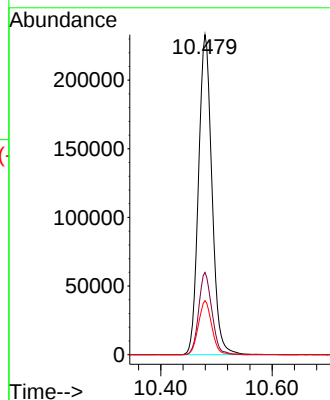
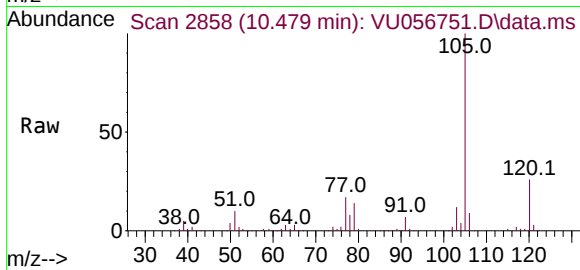




#60
Isopropylbenzene
Concen: 4.097 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

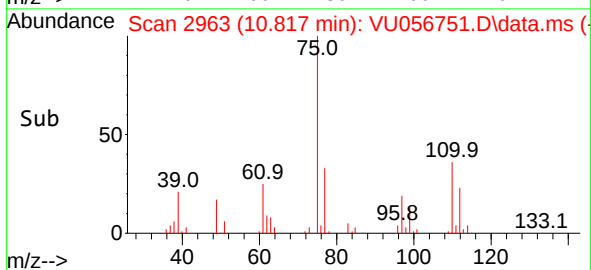
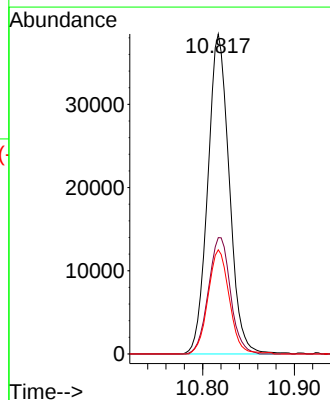
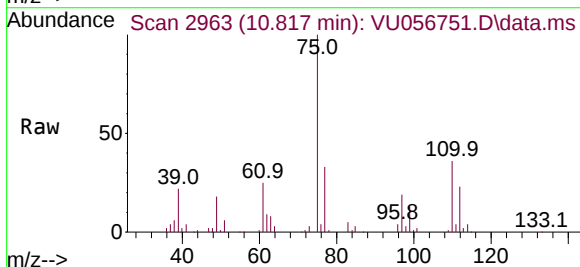
Instrument :
MSVOA_U
ClientSampleId :

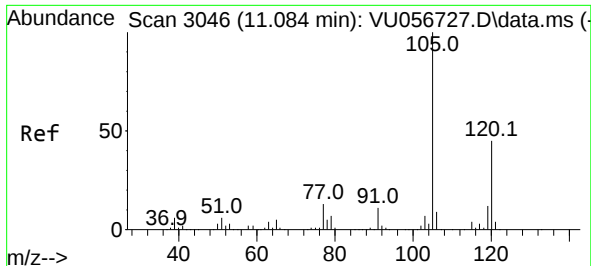
Tgt Ion:105 Resp: 389684
Ion Ratio Lower Upper
105 100
120 25.3 20.1 30.1
77 16.9 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.844 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

Tgt Ion: 75 Resp: 62609
Ion Ratio Lower Upper
75 100
110 37.4 28.4 42.6
77 32.1 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 2.551 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU056751.D

Acq: 11 Dec 2023 22:57

Instrument :

MSVOA_U

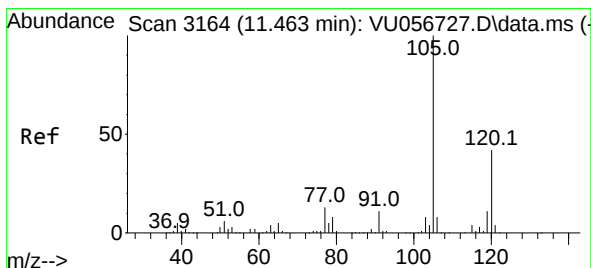
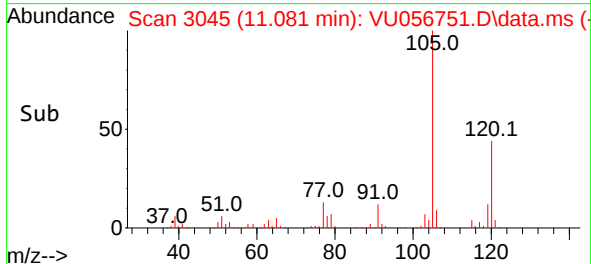
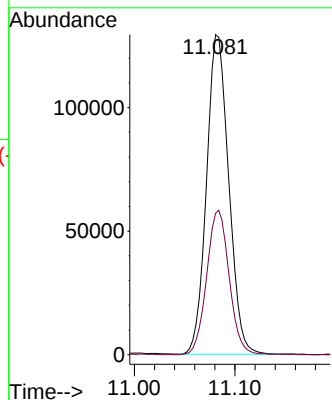
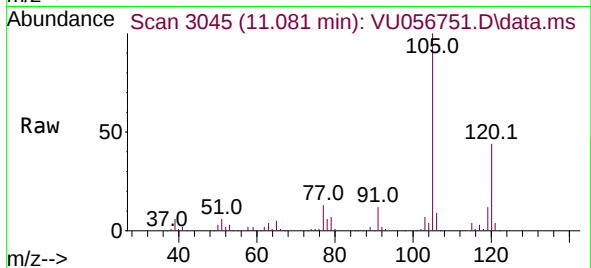
ClientSampleId :

Tgt Ion:105 Resp: 198298

Ion Ratio Lower Upper

105 100

120 45.9 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 3.055 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU056751.D

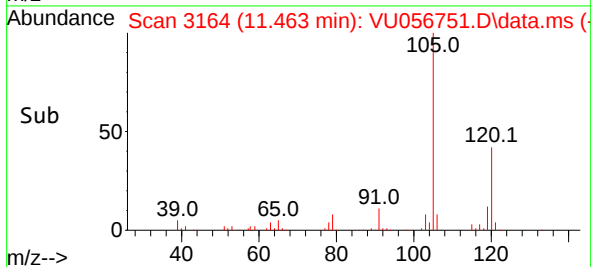
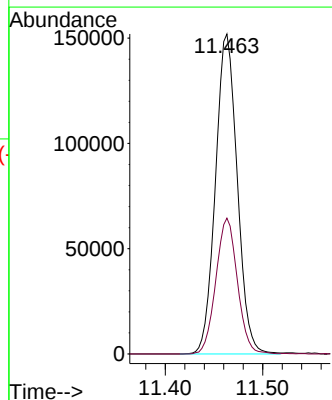
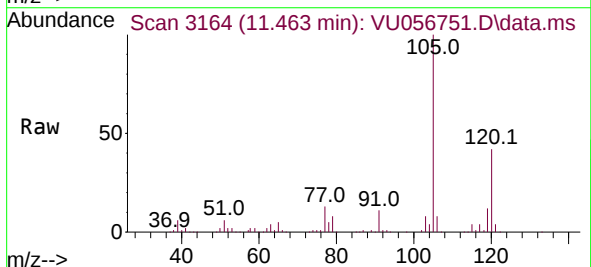
Acq: 11 Dec 2023 22:57

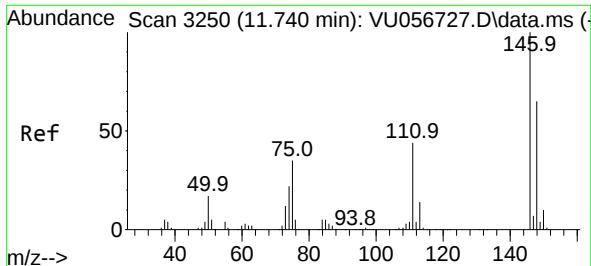
Tgt Ion:105 Resp: 235823

Ion Ratio Lower Upper

105 100

120 41.9 34.2 51.4

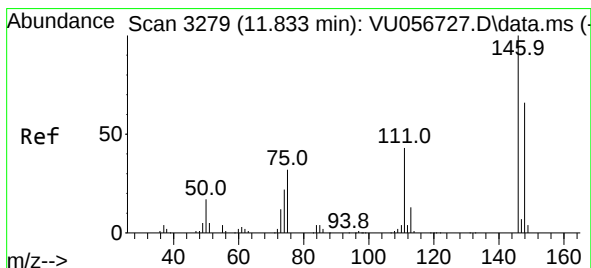
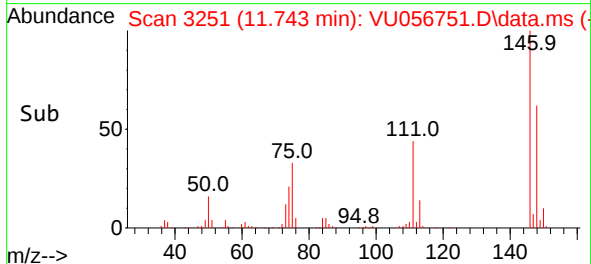
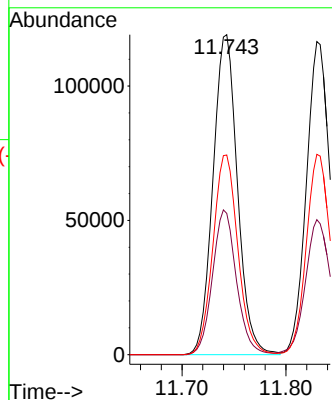
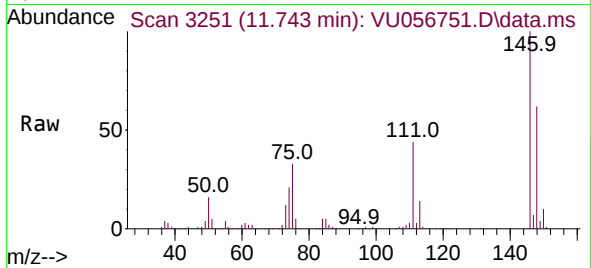




#64
1,3-Dichlorobenzene
Concen: 4.333 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

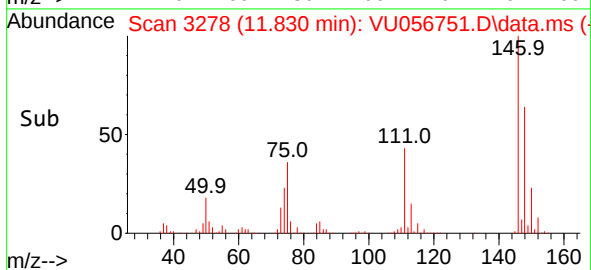
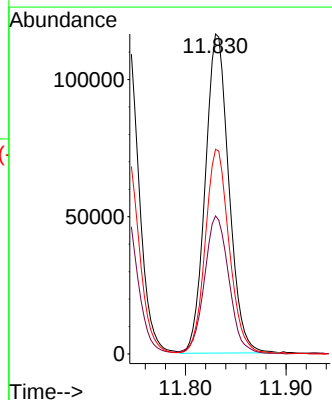
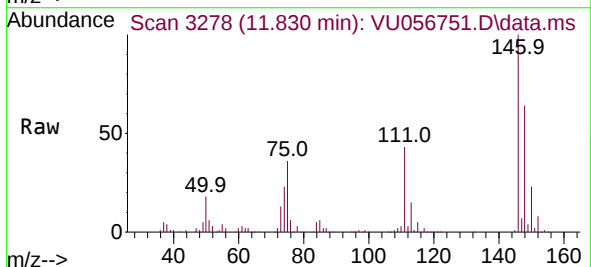
Instrument :
MSVOA_U
ClientSampleId :

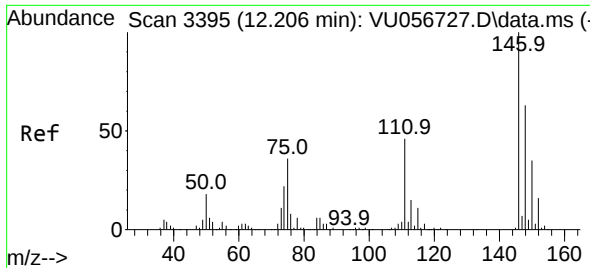
Tgt Ion:146 Resp: 194933
Ion Ratio Lower Upper
146 100
111 44.2 31.7 58.9
148 62.4 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.288 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

Tgt Ion:146 Resp: 189977
Ion Ratio Lower Upper
146 100
111 43.1 31.2 58.0
148 64.0 45.6 84.8

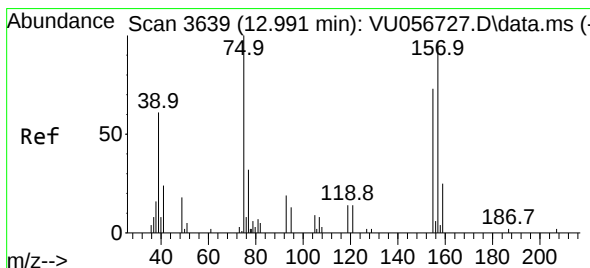
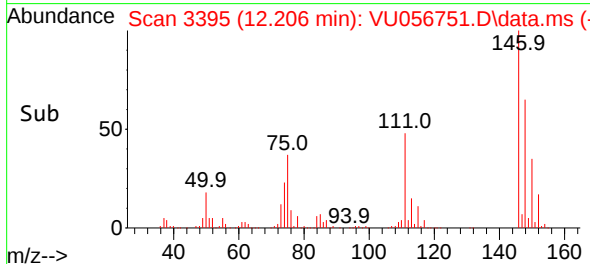
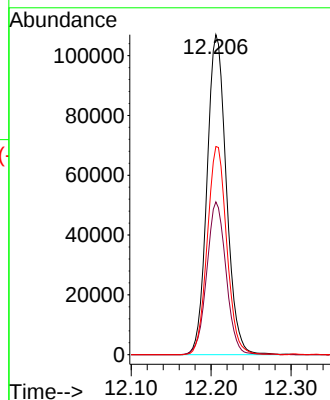
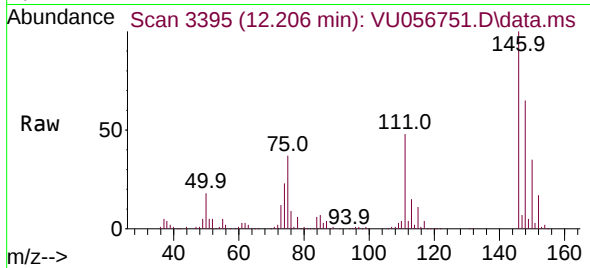




#67
1,2-Dichlorobenzene
Concen: 4.394 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. -0.000 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

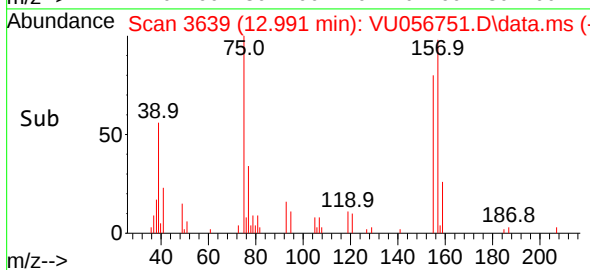
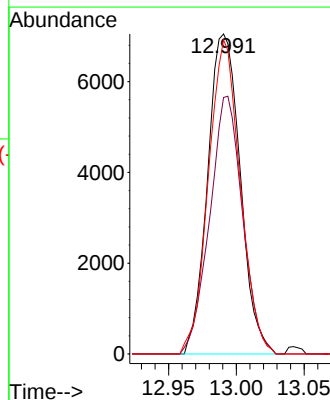
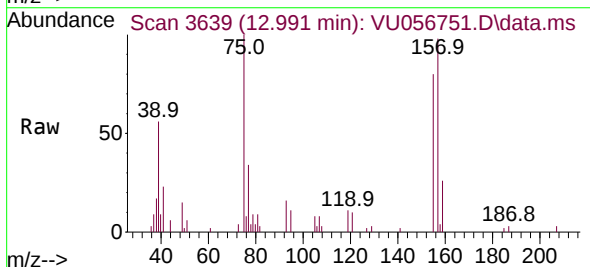
Instrument :
MSVOA_U
ClientSampleId :

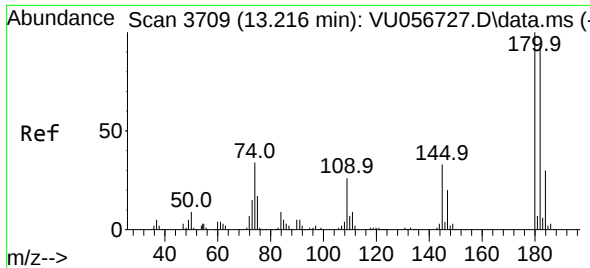
Tgt Ion:146 Resp: 180104
Ion Ratio Lower Upper
146 100
111 47.8 36.9 55.3
148 65.1 53.0 79.4



#68
1,2-Dibromo-3-chloropropane
Concen: 4.565 ug/L
RT: 12.991 min Scan# 3639
Delta R.T. -0.000 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

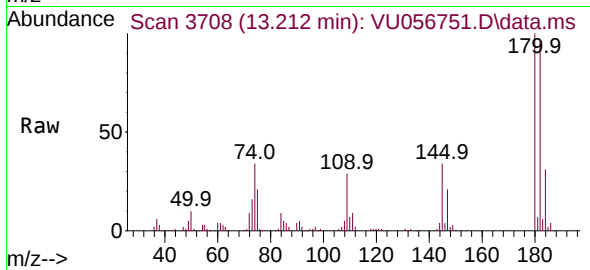
Tgt Ion: 75 Resp: 11781
Ion Ratio Lower Upper
75 100
155 80.1 55.4 83.2
157 98.1 77.3 115.9



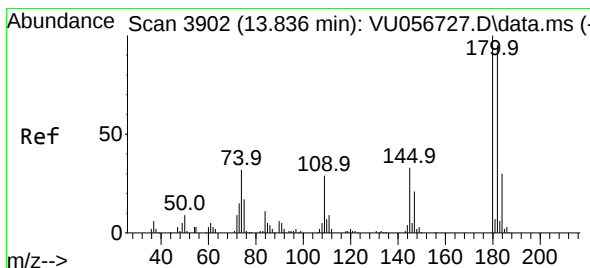
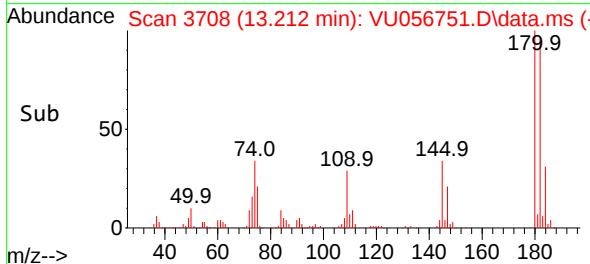
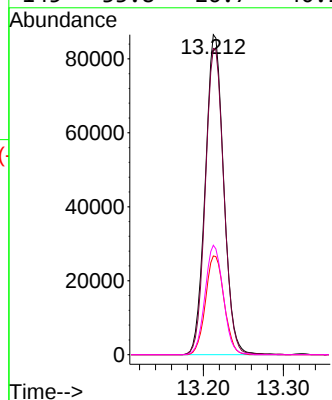


#69
 1,3,5-Trichlorobenzene
 Concen: 4.073 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU056751.D
 Acq: 11 Dec 2023 22:57

Instrument :
 MSVOA_U
 ClientSampleId :

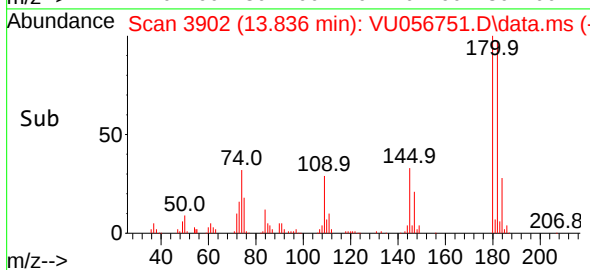
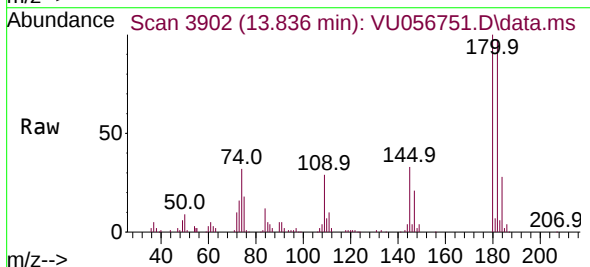
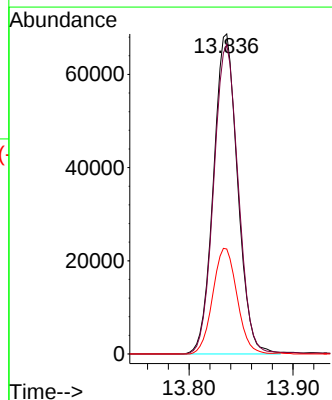


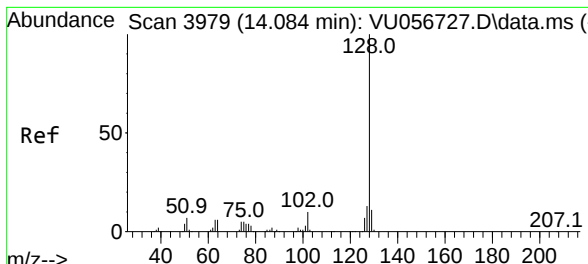
Tgt Ion:180 Resp: 138451
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.2 114.4
 184 31.2 24.6 37.0
 145 33.8 26.7 40.1



#70
 1,2,4-trichlorobenzene
 Concen: 4.122 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU056751.D
 Acq: 11 Dec 2023 22:57

Tgt Ion:180 Resp: 110973
 Ion Ratio Lower Upper
 180 100
 182 98.2 74.3 111.5
 145 33.2 26.7 40.1

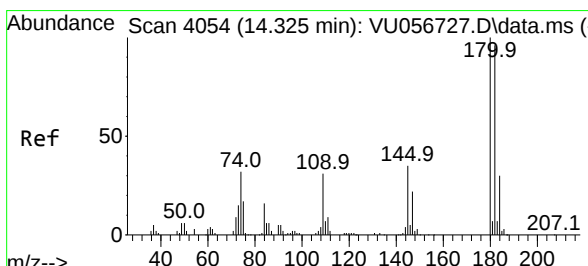
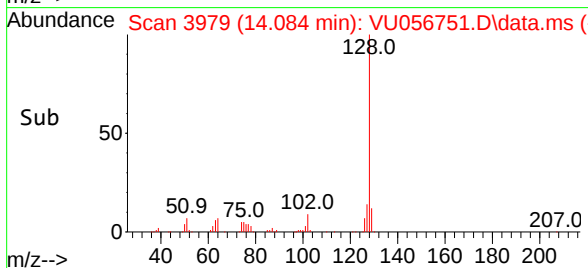
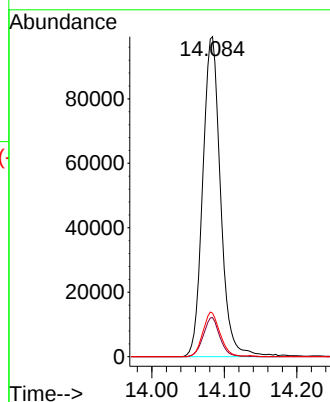
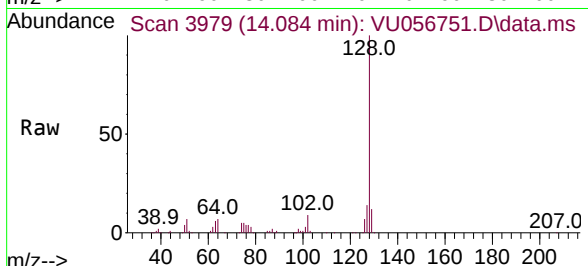




#71
Naphthalene
Concen: 4.301 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. -0.000 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	128	Resp:	169439
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.6	12.8
127	13.4	10.2	15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.208 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU056751.D
Acq: 11 Dec 2023 22:57

Tgt Ion:	180	Resp:	96168
Ion Ratio	Lower	Upper	
180	100		
182	94.8	75.0	112.6
145	36.2	28.6	42.8

