

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011824\
 Data File : VU057559.D
 Acq On : 18 Jan 2024 15:04
 Operator : MD/SY
 Sample : VSTD05049
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 19 01:29:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM011824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 19 01:28:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	566687	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	409359	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	197174	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	255900	44.969	ug/L	0.00
7) Chloroethane-d5	1.914	69	207493	47.184	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	470291	45.840	ug/L	0.00
21) 2-Butanone-d5	4.631	46	212944	86.327	ug/L	0.00
24) Chloroform-d	5.055	84	333417	38.140	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	222346	41.015	ug/L	0.00
32) Benzene-d6	5.721	84	693345	60.894	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	292962	69.492	ug/L	0.00
41) Toluene-d8	7.894	98	822394	70.465	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	135071	64.381	ug/L	0.00
47) 2-Hexanone-d5	8.640	63	133860	96.854	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	278272	50.515	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	212785	55.530	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	322667	43.621	ug/L	100
3) Chloromethane	1.518	50	313056	43.572	ug/L	100
5) Vinyl chloride	1.605	62	314570	46.409	ug/L	100
6) Bromomethane	1.859	94	143282	46.617	ug/L	100
8) Chloroethane	1.936	64	181153	47.169	ug/L	100
9) Trichlorofluoromethane	2.133	101	360952	43.500	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	250743	47.685	ug/L	100
12) 1,1-Dichloroethene	2.576	96	221161	47.125	ug/L	100
13) Acetone	2.641	43	322205	84.148	ug/L	100
14) Carbon disulfide	2.788	76	732262	44.373	ug/L	100
15) Methyl Acetate	2.949	43	228195	44.760	ug/L	100
16) Methylene chloride	3.042	84	260251	44.858	ug/L	100
17) trans-1,2-Dichloroethene	3.348	96	224474	45.556	ug/L	100
18) Methyl tert-butyl Ether	3.354	73	680661	44.899	ug/L	100
19) 1,1-Dichloroethane	3.859	63	372004	45.032	ug/L	100
20) cis-1,2-Dichloroethene	4.657	96	187960	44.980	ug/L	100
22) 2-Butanone	4.708	43	234337	73.323	ug/L	100
23) Bromochloromethane	4.968	128	89485	39.971	ug/L	100
25) Chloroform	5.081	83	333371	39.462	ug/L	100
27) 1,2-Dichloroethane	5.785	62	289909	42.656	ug/L	100
29) Cyclohexane	5.383	56	270950	62.256	ug/L	100
30) 1,1,1-Trichloroethane	5.309	97	284612	58.012	ug/L	100
31) Carbon tetrachloride	5.518	117	244504	61.426	ug/L	100
33) Benzene	5.766	78	767131	63.779	ug/L	100
34) Trichloroethene	6.537	95	254323	71.791	ug/L	100
35) Methylcyclohexane	6.759	83	396763	72.378	ug/L	100
37) 1,2-Dichloropropane	6.785	63	275827	70.100	ug/L	100
38) Bromodichloromethane	7.100	83	347359	69.350	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	395009	68.636	ug/L	100
40) 4-Methyl-2-pentanone	7.795	43	617958	139.536	ug/L	100
42) Toluene	7.965	91	1041524	69.196	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	381582	65.385	ug/L	100

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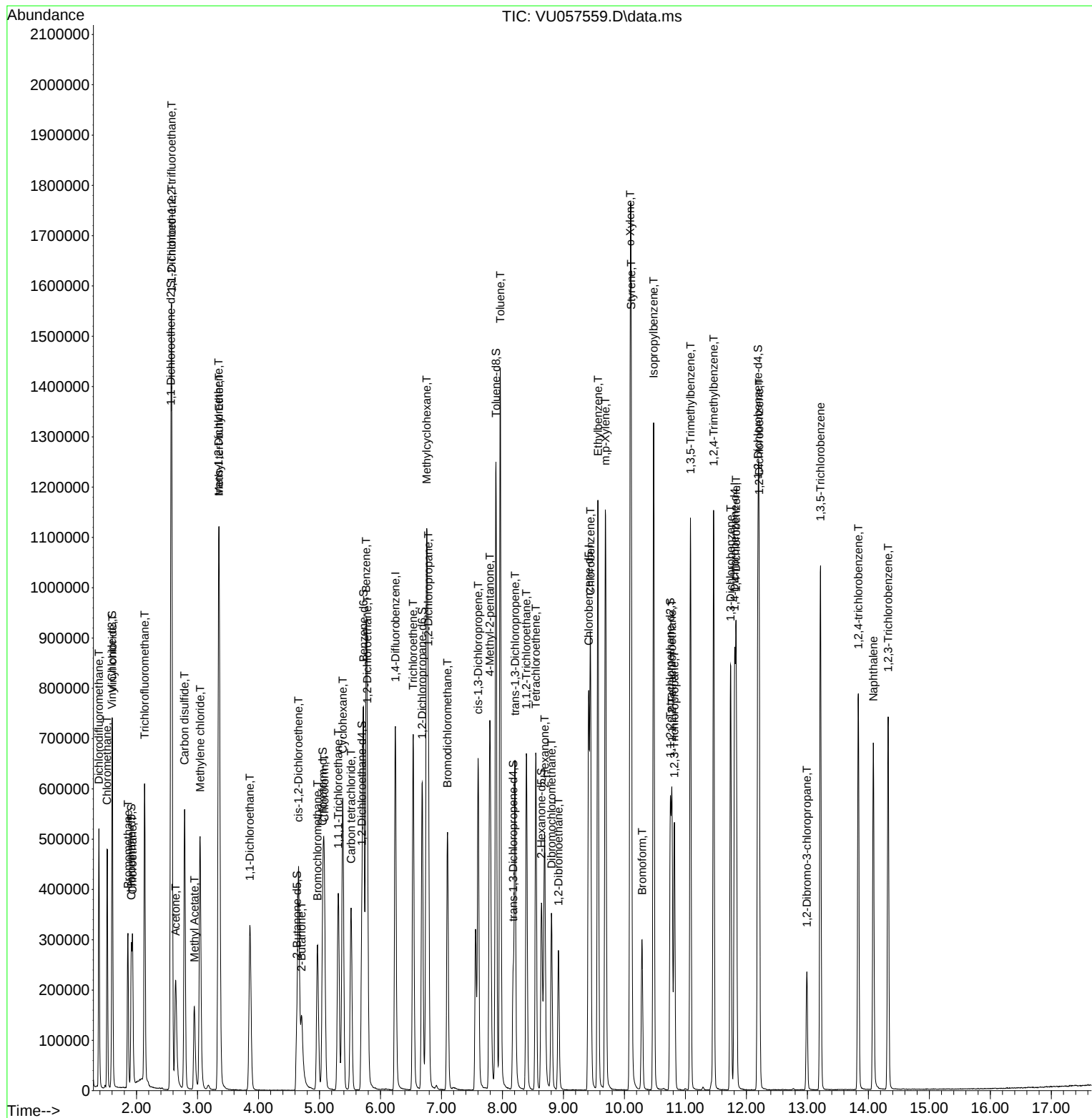
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	202377	54.020	ug/L	100
46) Tetrachloroethene	8.547	164	132671	52.449	ug/L	100
48) 2-Hexanone	8.692	43	368189	94.422	ug/L	100
49) Dibromochloromethane	8.804	129	179522	47.944	ug/L	100
50) 1,2-Dibromoethane	8.920	107	183815	47.355	ug/L	100
51) Chlorobenzene	9.444	112	454476	51.557	ug/L	100
52) Ethylbenzene	9.566	91	807192	54.829	ug/L	100
53) m,p-Xylene	9.688	106	322595	59.571	ug/L	100
54) o-Xylene	10.097	106	303014	58.254	ug/L	100
55) Styrene	10.113	104	537941	61.768	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	287803	51.274	ug/L	100
59) Bromoform	10.290	173	132764	46.711	ug/L	100
60) 1,2,3-Trichloropropane	10.820	75	217959	44.429	ug/L	100
61) Isopropylbenzene	10.479	105	808717	52.839	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	587442	51.069	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	605755	51.889	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	332472	51.142	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	334023	50.389	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	354193	57.779	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	64551	63.558	ug/L	100
69) 1,3,5-Trichlorobenzene	13.216	180	297647	67.427	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	223181	65.319	ug/L	100
71) Naphthalene	14.084	128	540046	66.366	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	209663	67.742	ug/L	100

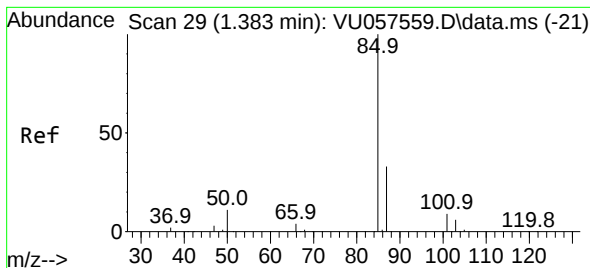
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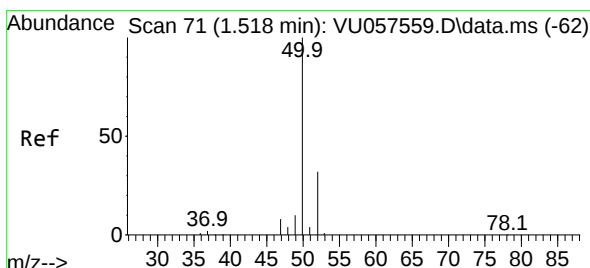
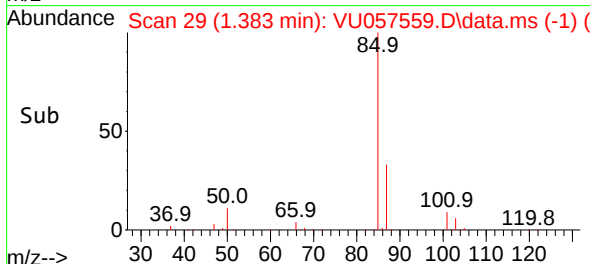
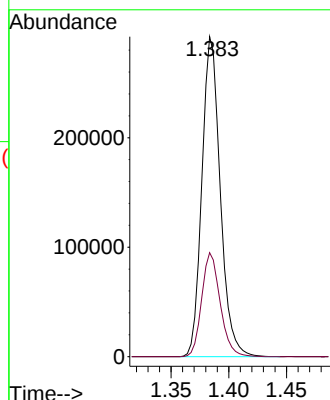
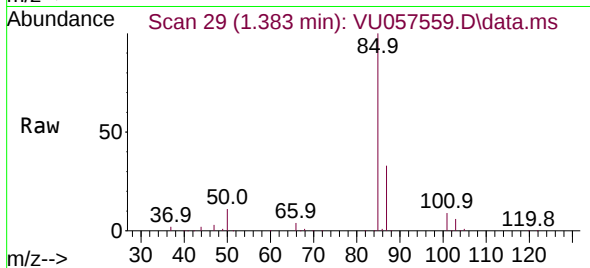




#2
 Dichlorodifluoromethane
 Concen: 43.621 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU057559.D
 Acq: 18 Jan 2024 15:04

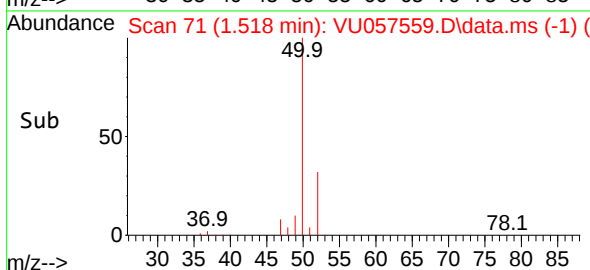
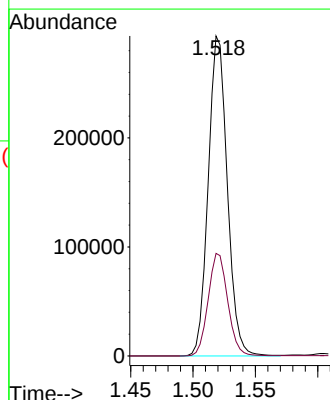
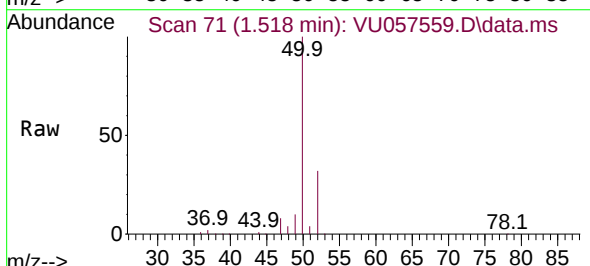
Instrument :
 MSVOA_U
 ClientSampleId :

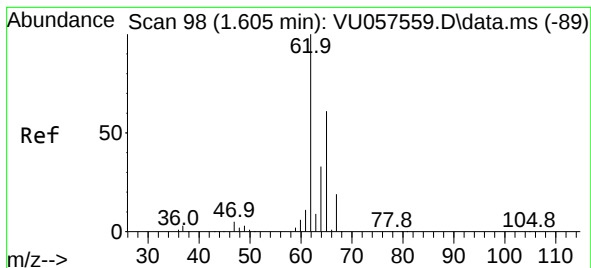
Tgt Ion: 85 Resp: 322667
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.2 39.2



#3
 Chloromethane
 Concen: 43.572 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU057559.D
 Acq: 18 Jan 2024 15:04

Tgt Ion: 50 Resp: 313056
 Ion Ratio Lower Upper
 50 100
 52 32.1 22.5 41.7





#5

Vinyl chloride

Concen: 46.409 ug/L

RT: 1.605 min Scan# 98

Delta R.T. 0.000 min

Lab File: VU057559.D

Acq: 18 Jan 2024 15:04

Instrument :

MSVOA_U

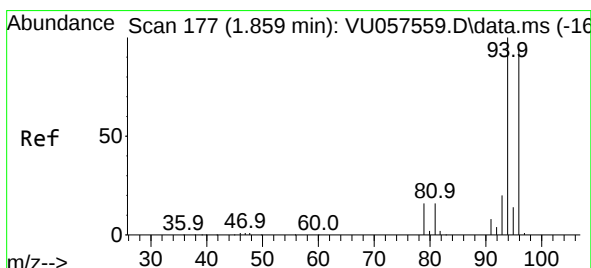
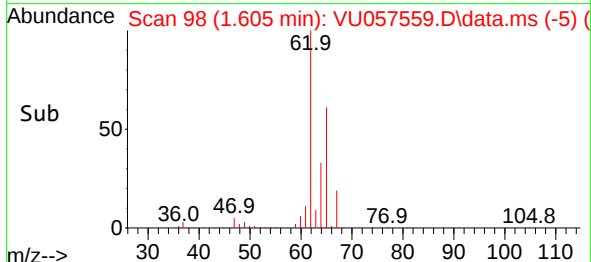
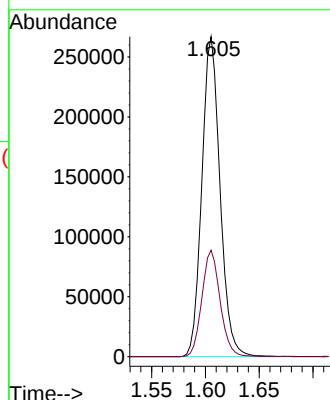
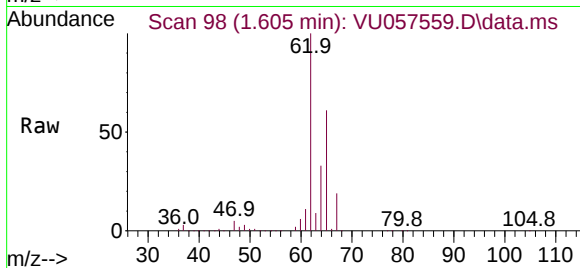
ClientSampleId :

Tgt Ion: 62 Resp: 314570

Ion Ratio Lower Upper

62 100

64 33.2 23.2 43.2



#6

Bromomethane

Concen: 46.617 ug/L

RT: 1.859 min Scan# 177

Delta R.T. 0.000 min

Lab File: VU057559.D

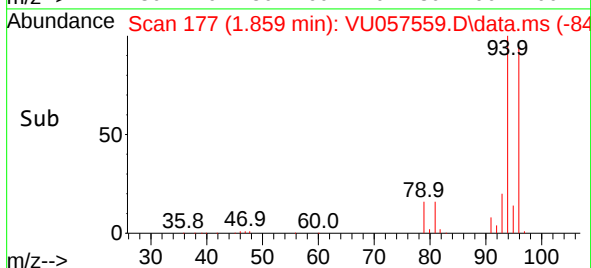
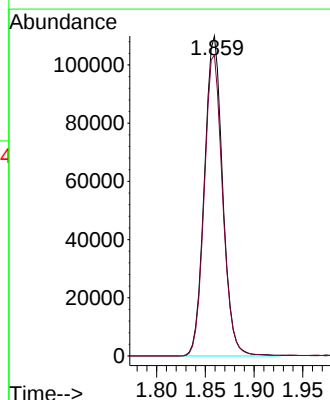
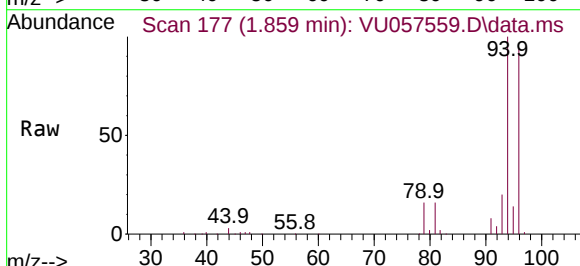
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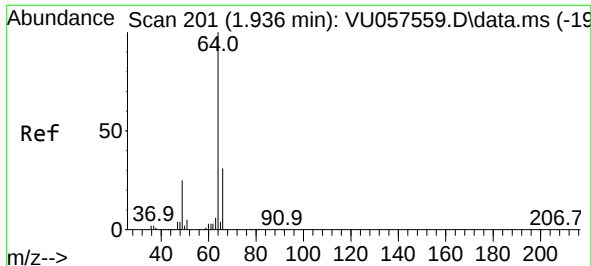
Tgt Ion: 94 Resp: 143282

Ion Ratio Lower Upper

94 100

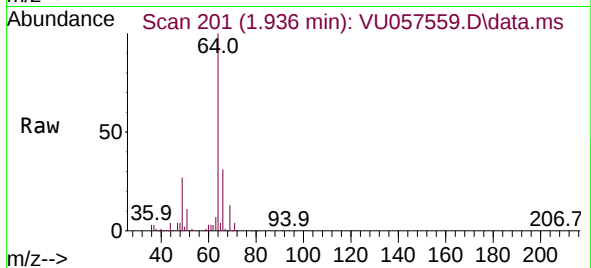
96 94.0 65.8 122.2



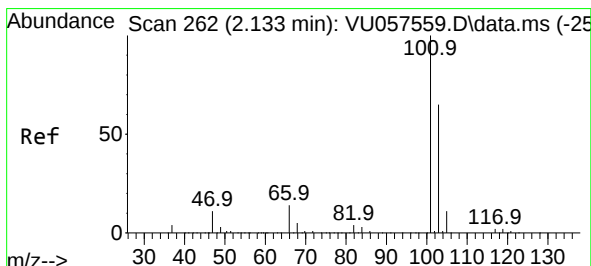
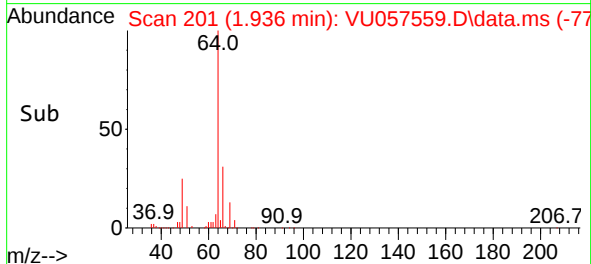
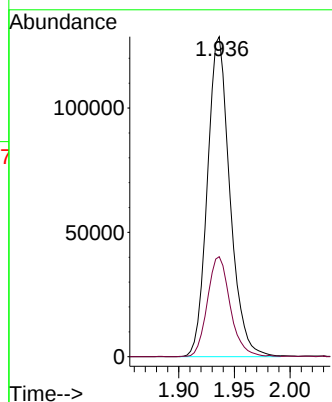


#8
Chloroethane
Concen: 47.169 ug/L
RT: 1.936 min Scan# 201
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

Instrument :
MSVOA_U
ClientSampleId :

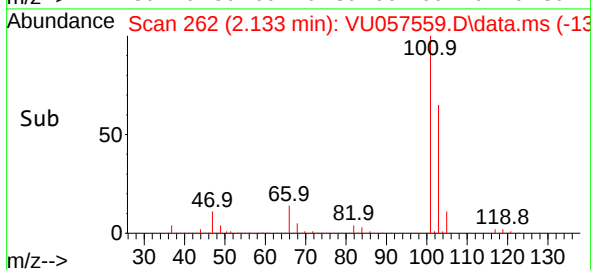
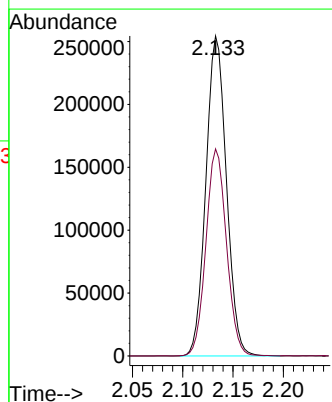
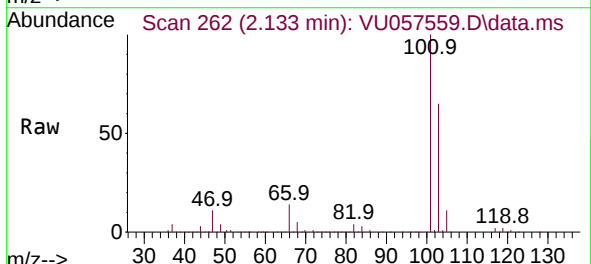


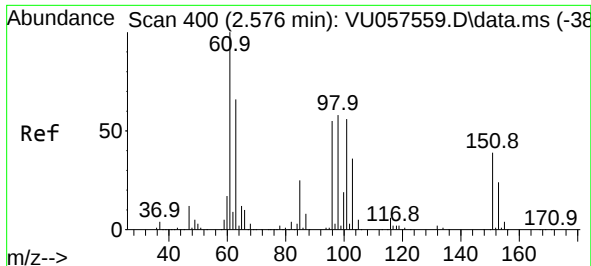
Tgt Ion: 64 Resp: 181153
Ion Ratio Lower Upper
64 100
66 31.3 21.9 40.7



#9
Trichlorofluoromethane
Concen: 43.500 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

Tgt Ion: 101 Resp: 360952
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.6

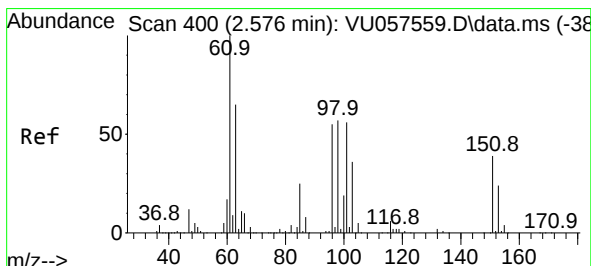
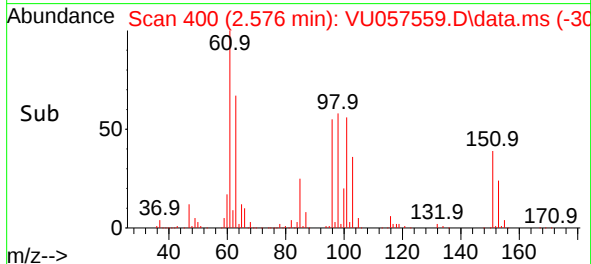
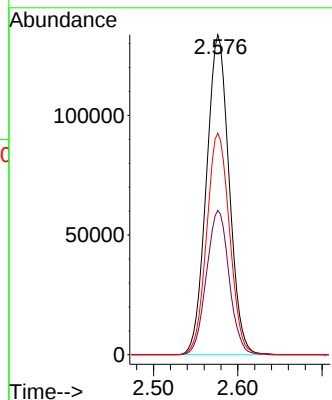
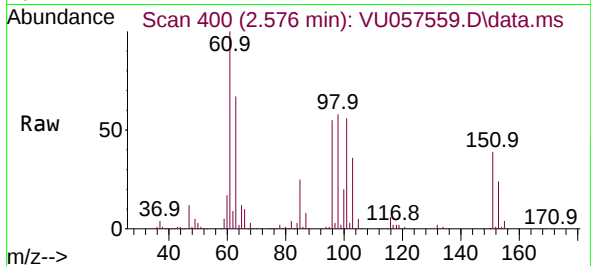




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.685 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU057559.D
 Acq: 18 Jan 2024 15:04

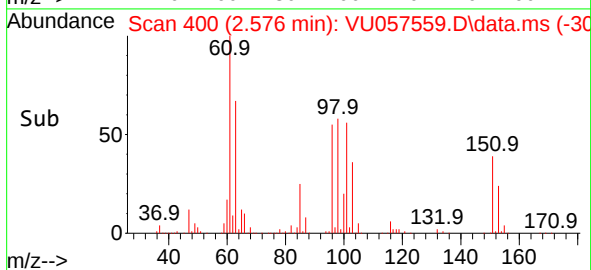
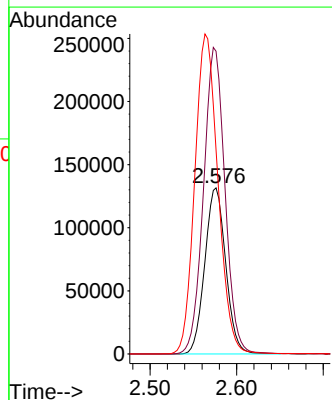
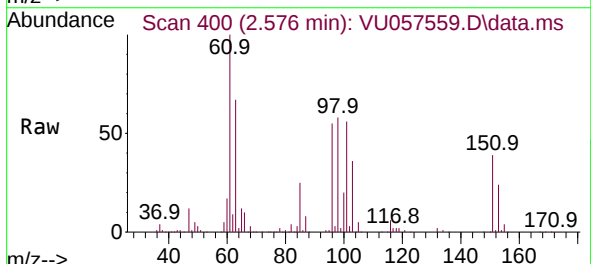
Instrument :
 MSVOA_U
 ClientSampleId :

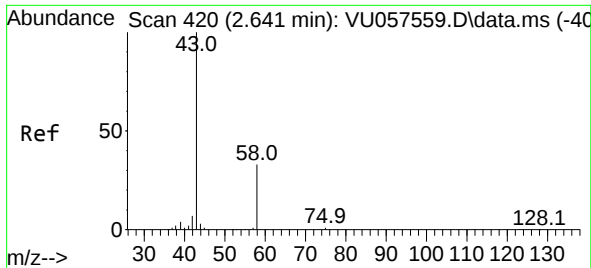
Tgt Ion:101 Resp: 250743
 Ion Ratio Lower Upper
 101 100
 85 45.0 36.0 54.0
 151 69.8 55.8 83.8



#12
 1,1-Dichloroethene
 Concen: 47.125 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU057559.D
 Acq: 18 Jan 2024 15:04

Tgt Ion: 96 Resp: 221161
 Ion Ratio Lower Upper
 96 100
 61 182.4 127.7 237.1
 63 123.0 86.1 159.9





#13

Acetone

Concen: 84.148 ug/L

RT: 2.641 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU057559.D

Acq: 18 Jan 2024 15:04

Instrument :

MSVOA_U

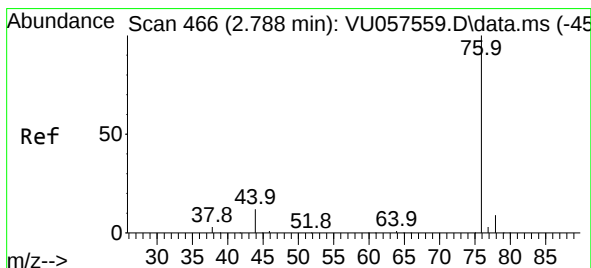
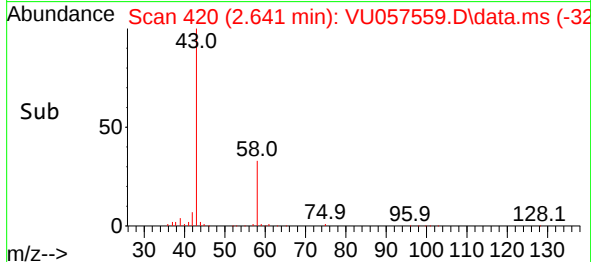
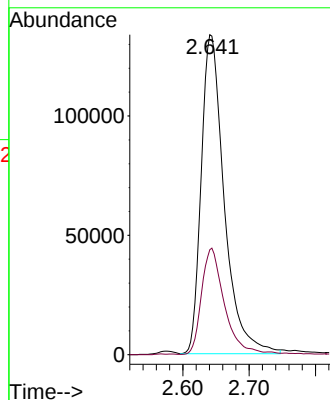
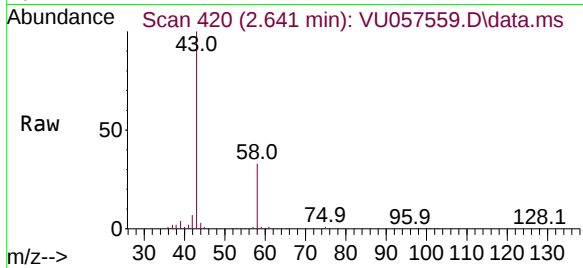
ClientSampleId :

Tgt Ion: 43 Resp: 322205

Ion Ratio Lower Upper

43 100

58 32.8 0.0 65.6



#14

Carbon disulfide

Concen: 44.373 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU057559.D

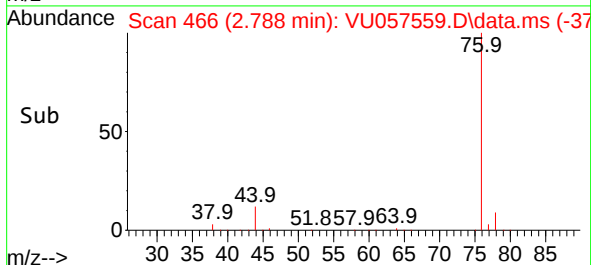
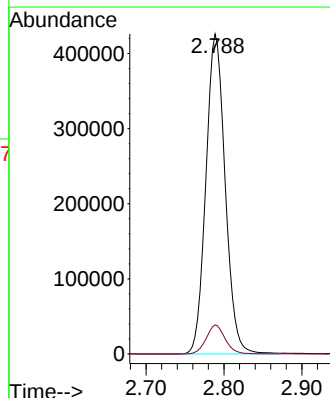
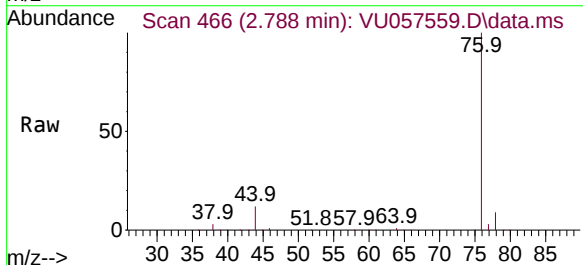
Acq: 18 Jan 2024 15:04

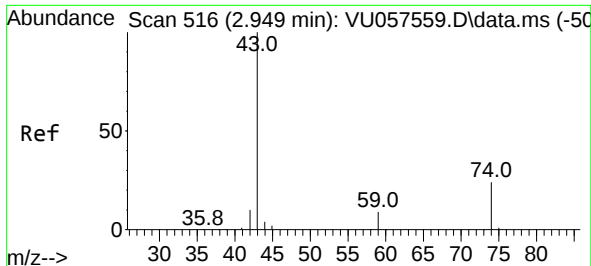
Tgt Ion: 76 Resp: 732262

Ion Ratio Lower Upper

76 100

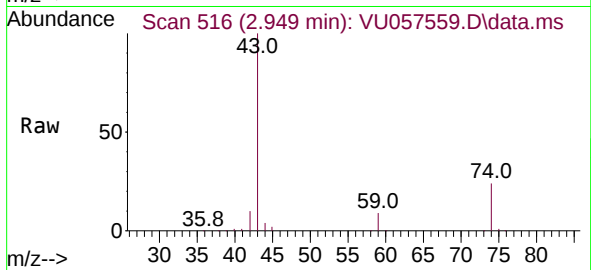
78 9.1 7.3 10.9



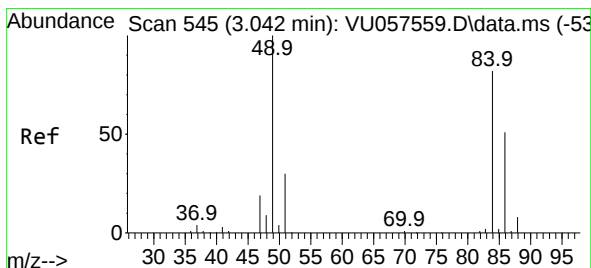
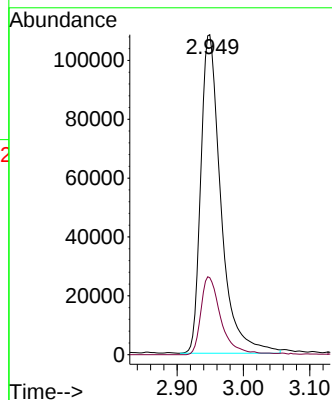
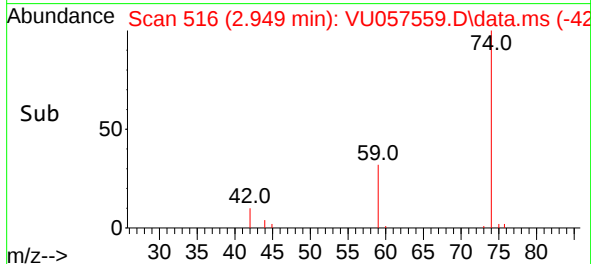


#15
Methyl Acetate
Concen: 44.760 ug/L
RT: 2.949 min Scan# 516
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

Instrument :
MSVOA_U
ClientSampleId :

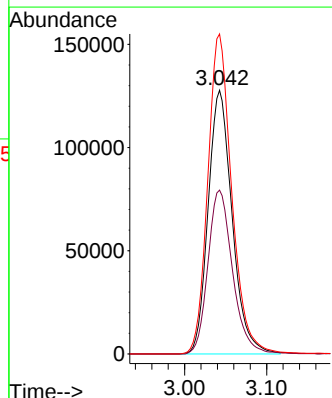
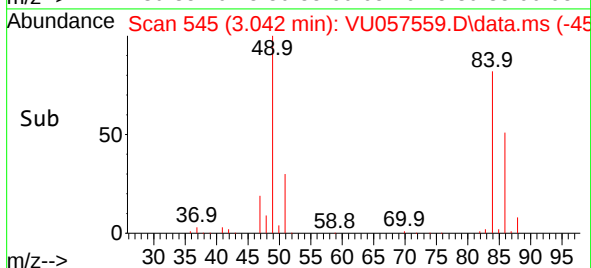
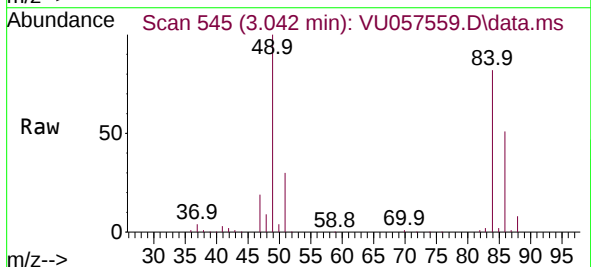


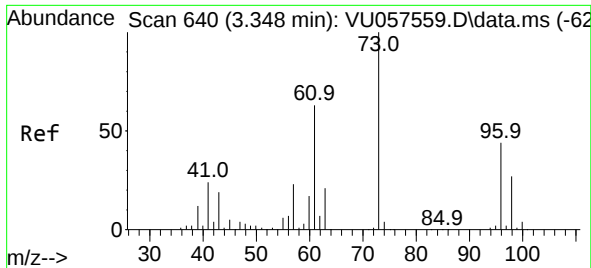
Tgt Ion: 43 Resp: 228195
Ion Ratio Lower Upper
43 100
74 23.8 19.0 28.6



#16
Methylene chloride
Concen: 44.858 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

Tgt Ion: 84 Resp: 260251
Ion Ratio Lower Upper
84 100
86 62.1 43.5 80.7
49 121.4 85.0 157.8



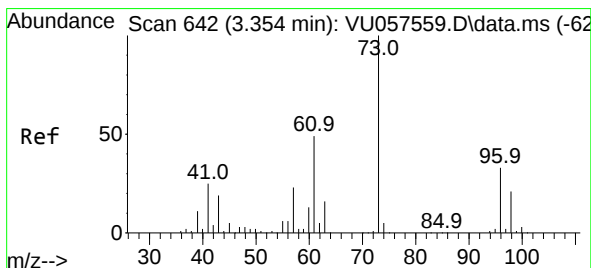
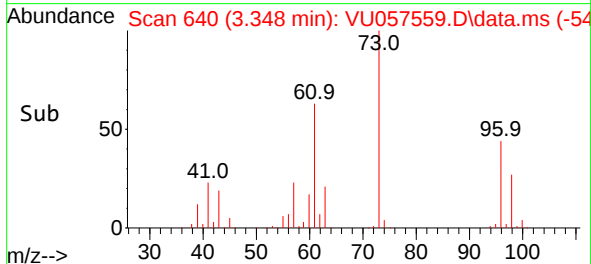
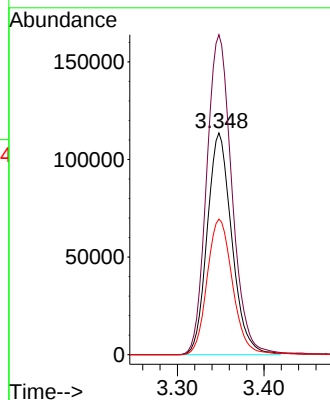
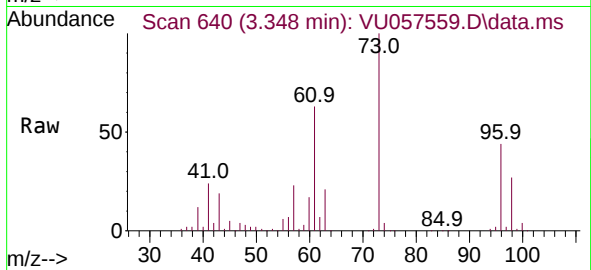


#17
 trans-1,2-Dichloroethene
 Concen: 45.556 ug/L
 RT: 3.348 min Scan# 640
 Delta R.T. 0.000 min
 Lab File: VU057559.D
 Acq: 18 Jan 2024 15:04

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 96 Resp: 224474

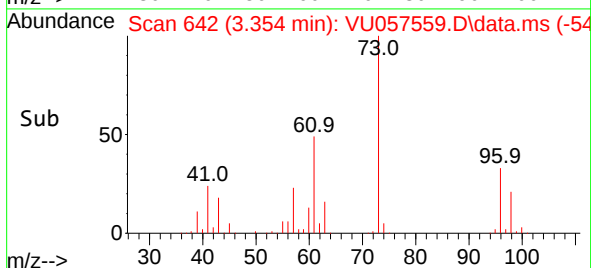
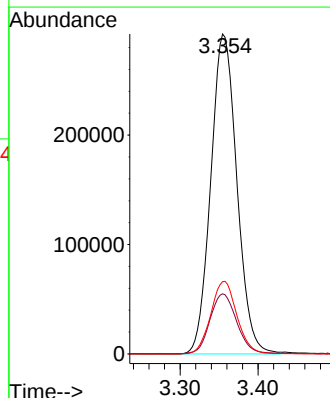
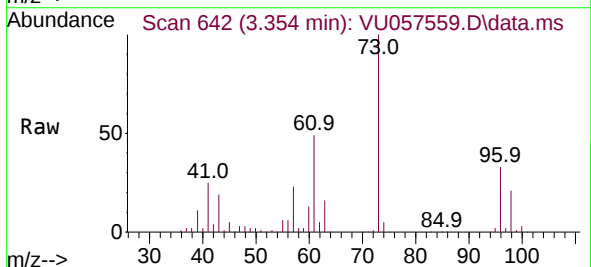
Ion	Ratio	Lower	Upper
96	100		
61	144.3	101.0	187.6
98	61.1	42.8	79.4

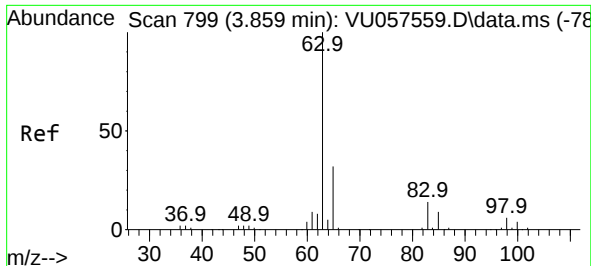


#18
 Methyl tert-butyl Ether
 Concen: 44.899 ug/L
 RT: 3.354 min Scan# 642
 Delta R.T. 0.000 min
 Lab File: VU057559.D
 Acq: 18 Jan 2024 15:04

Tgt Ion: 73 Resp: 680661

Ion	Ratio	Lower	Upper
73	100		
43	19.0	15.2	22.8
57	22.8	18.2	27.4





#19

1,1-Dichloroethane

Concen: 45.032 ug/L

RT: 3.859 min Scan# 799

Delta R.T. 0.000 min

Lab File: VU057559.D

Acq: 18 Jan 2024 15:04

Instrument :

MSVOA_U

ClientSampleId :

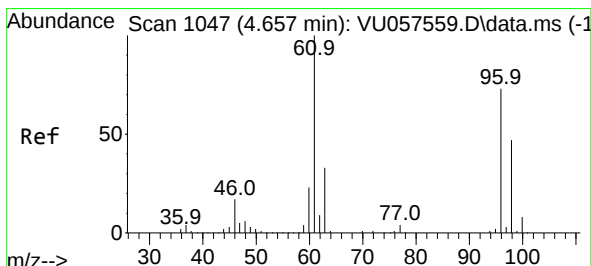
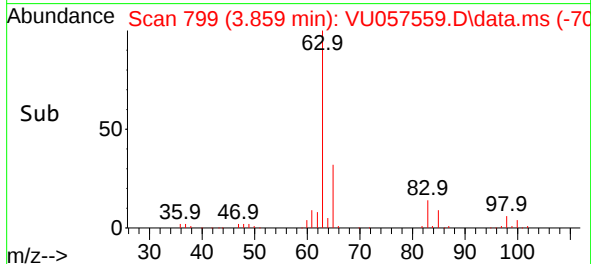
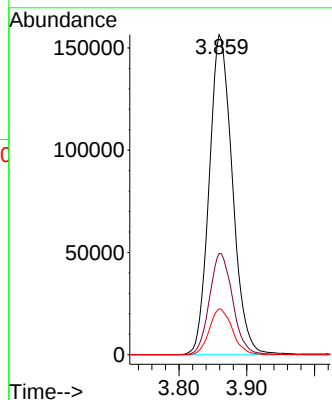
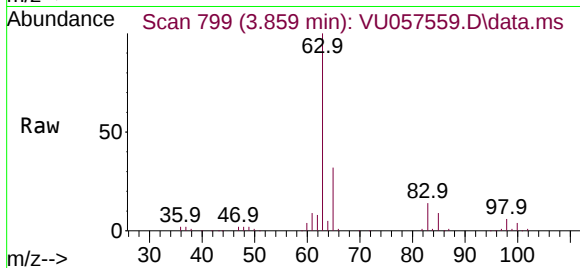
Tgt Ion: 63 Resp: 372004

Ion Ratio Lower Upper

63 100

65 31.6 22.1 41.1

83 14.4 10.1 18.7



#20

cis-1,2-Dichloroethene

Concen: 44.980 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VU057559.D

Acq: 18 Jan 2024 15:04

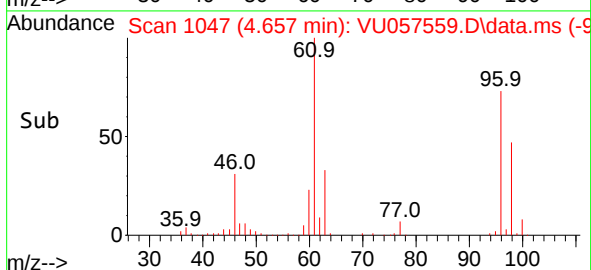
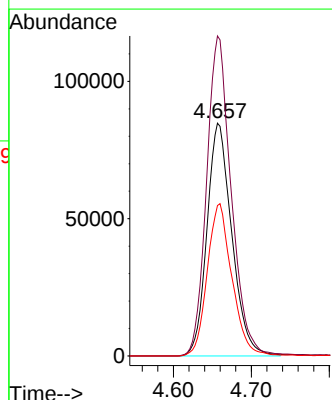
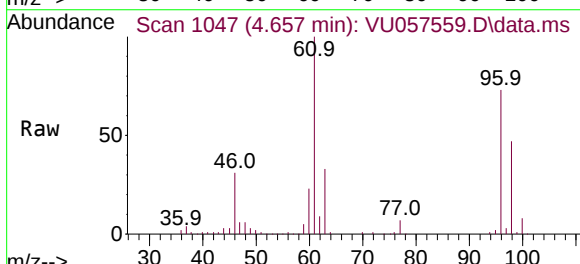
Tgt Ion: 96 Resp: 187960

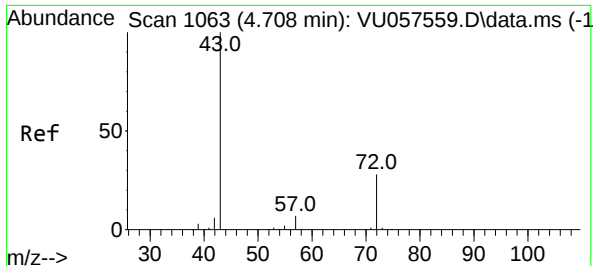
Ion Ratio Lower Upper

96 100

61 137.4 96.2 178.6

98 64.6 45.2 84.0

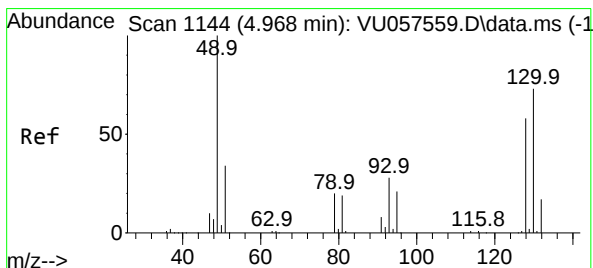
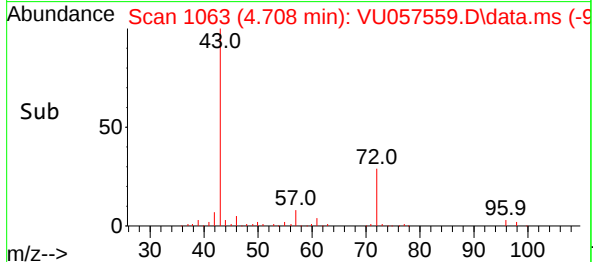
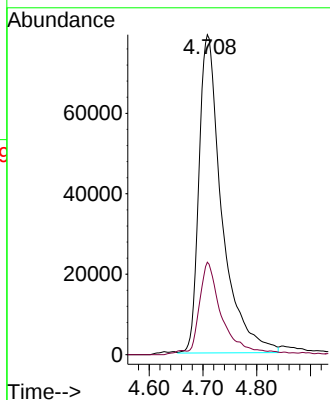
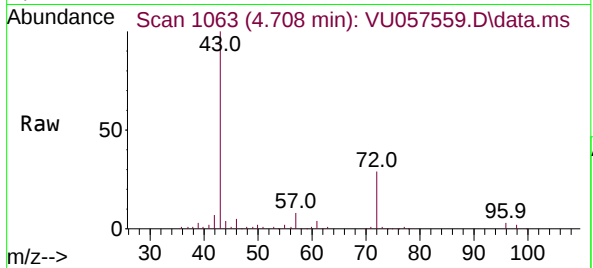




#22
2-Butanone
Concen: 73.323 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

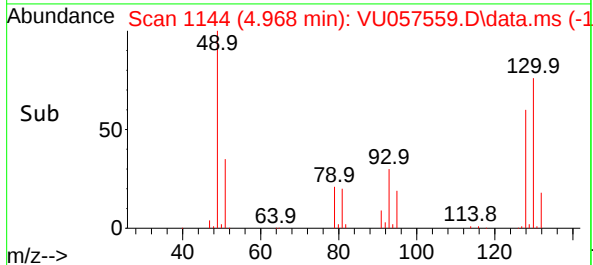
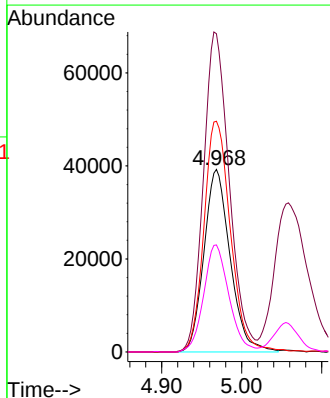
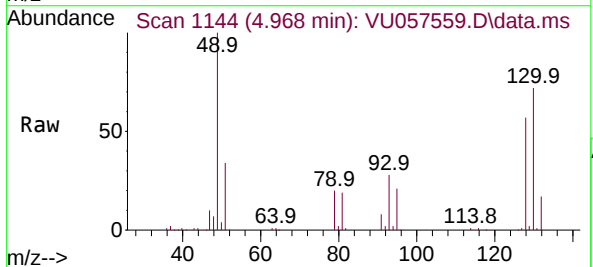
Instrument :
MSVOA_U
ClientSampleId :

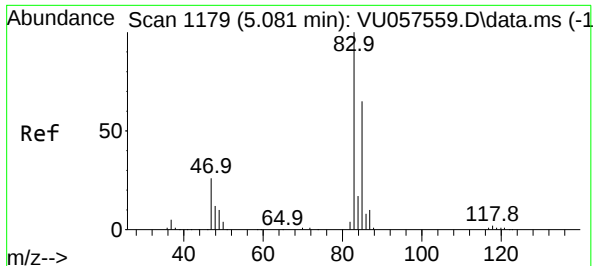
Tgt Ion: 43 Resp: 234337
Ion Ratio Lower Upper
43 100
72 25.8 12.9 38.7



#23
Bromochloromethane
Concen: 39.971 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

Tgt Ion:128 Resp: 89485
Ion Ratio Lower Upper
128 100
49 174.3 122.0 226.6
130 126.4 88.5 164.3
51 58.6 46.9 70.3





#25

Chloroform

Concen: 39.462 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU057559.D

Acq: 18 Jan 2024 15:04

Instrument :

MSVOA_U

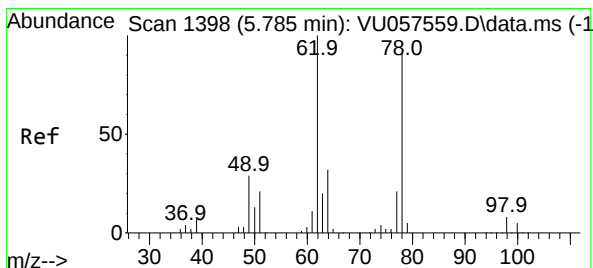
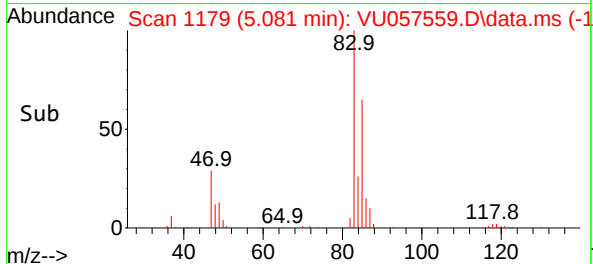
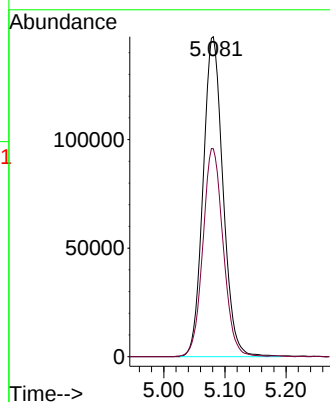
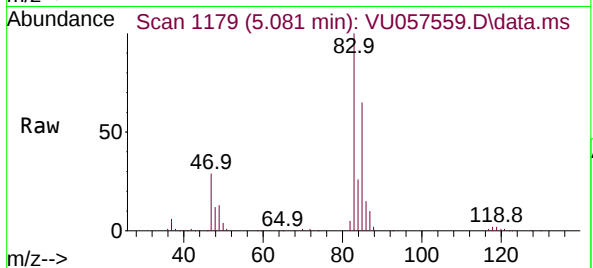
ClientSampleId :

Tgt Ion: 83 Resp: 333371

Ion Ratio Lower Upper

83 100

85 65.0 45.5 84.5



#27

1,2-Dichloroethane

Concen: 42.656 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU057559.D

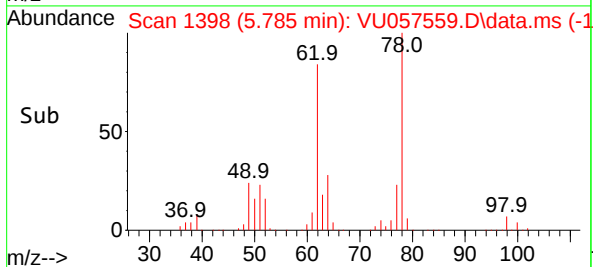
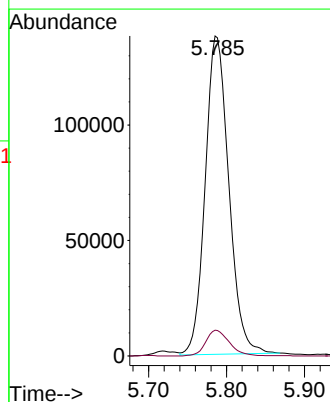
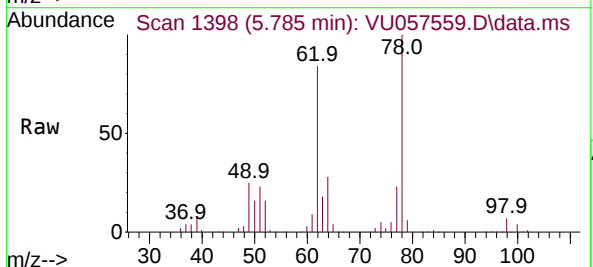
Acq: 18 Jan 2024 15:04

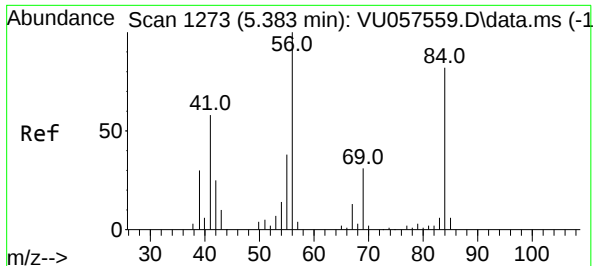
Tgt Ion: 62 Resp: 289909

Ion Ratio Lower Upper

62 100

98 8.0 6.4 9.6





#29

Cyclohexane

Concen: 62.256 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU057559.D

Acq: 18 Jan 2024 15:04

Instrument :

MSVOA_U

ClientSampleId :

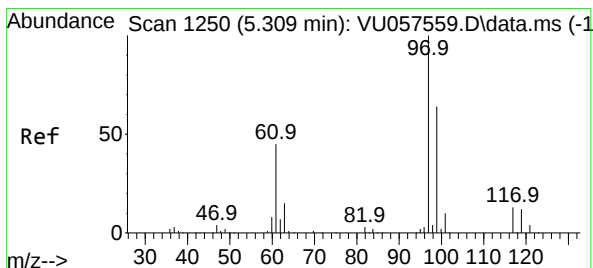
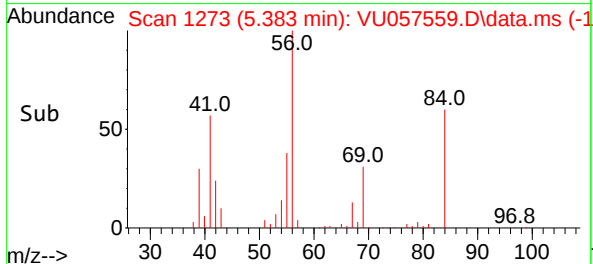
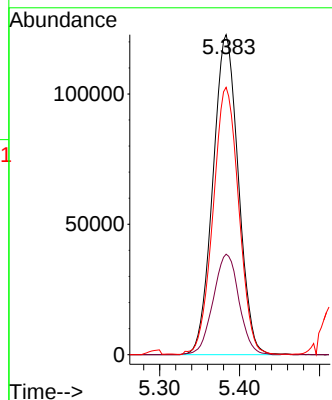
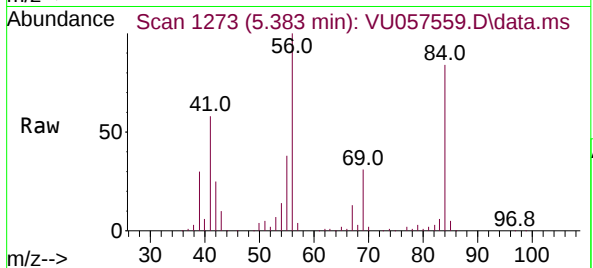
Tgt Ion: 56 Resp: 270950

Ion Ratio Lower Upper

56 100

69 31.8 25.4 38.2

84 84.2 67.4 101.0



#30

1,1,1-Trichloroethane

Concen: 58.012 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.000 min

Lab File: VU057559.D

Acq: 18 Jan 2024 15:04

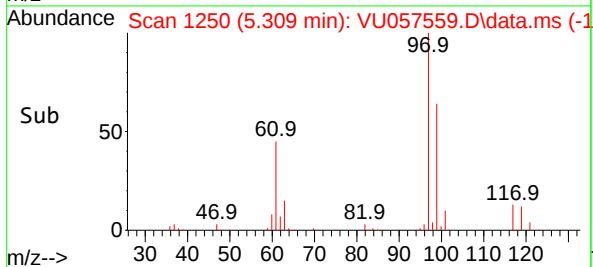
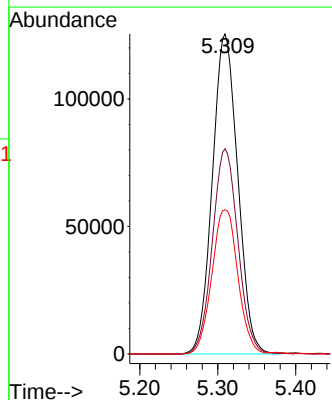
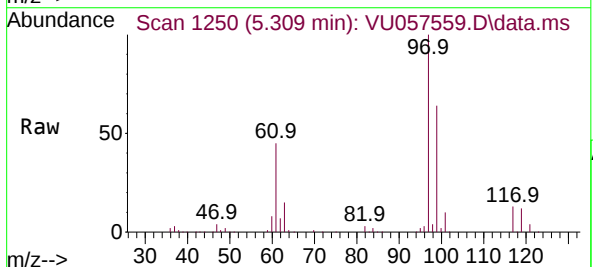
Tgt Ion: 97 Resp: 284612

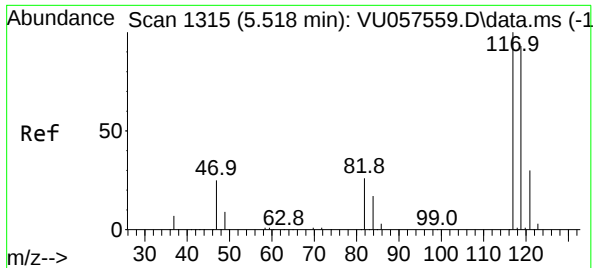
Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 46.1 36.9 55.3

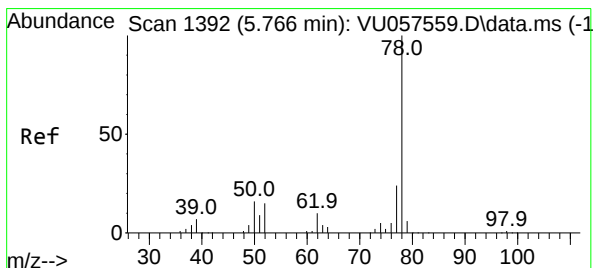
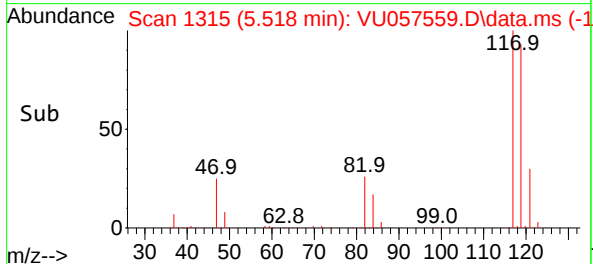
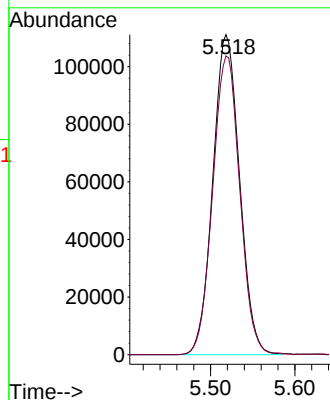
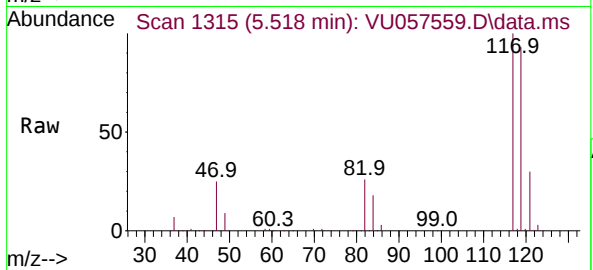




#31
Carbon tetrachloride
Concen: 61.426 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

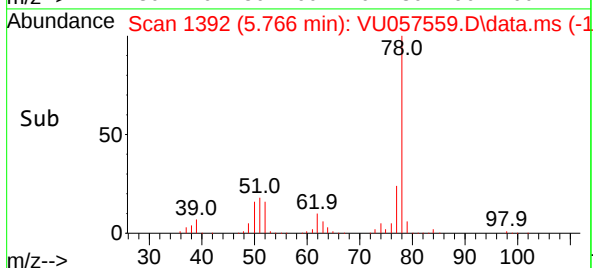
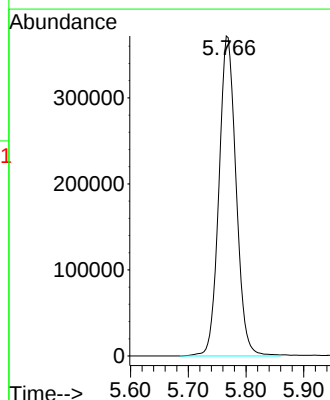
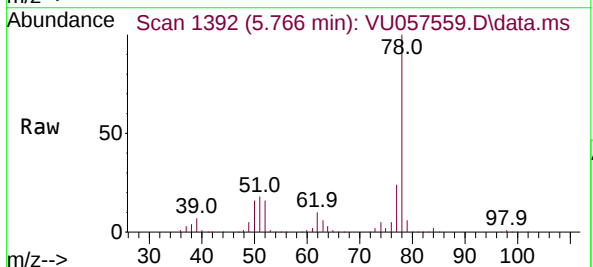
Instrument :
MSVOA_U
ClientSampleId :

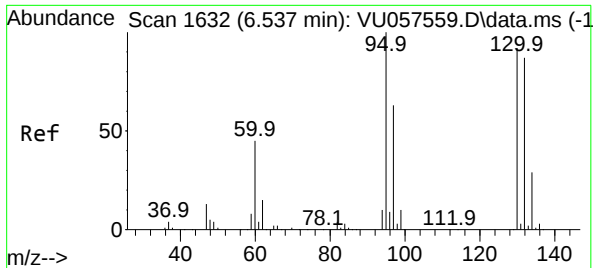
Tgt Ion:117 Resp: 244504
Ion Ratio Lower Upper
117 100
119 94.8 75.8 113.8



#33
Benzene
Concen: 63.779 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

Tgt Ion: 78 Resp: 767131

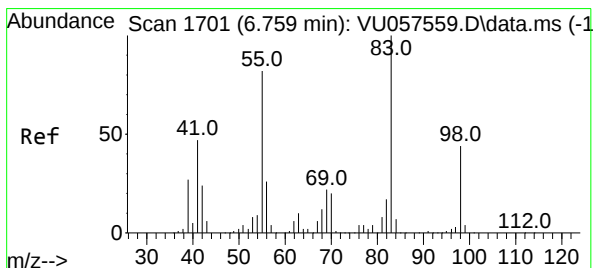
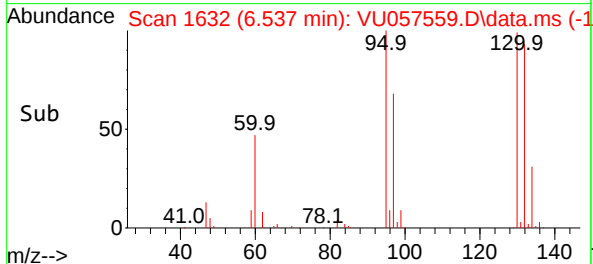
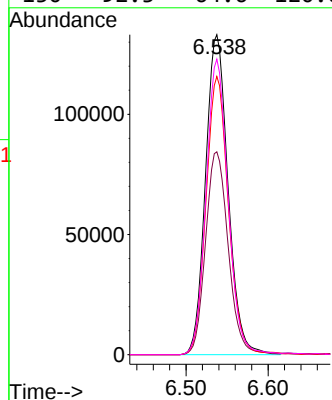
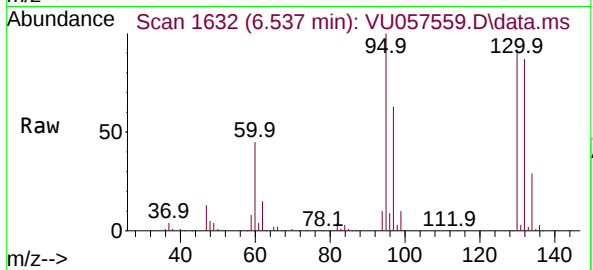




#34
Trichloroethene
Concen: 71.791 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

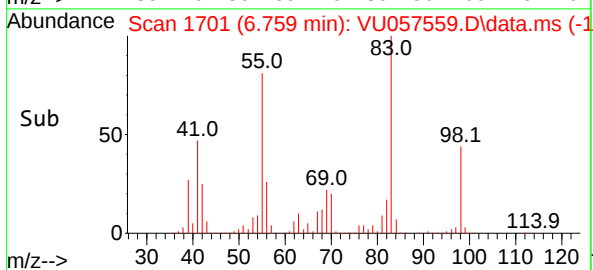
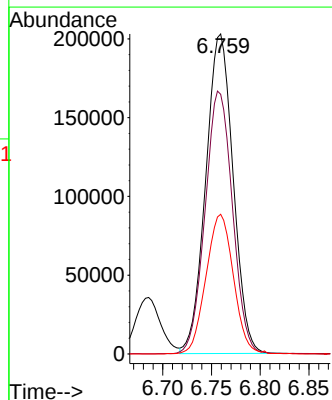
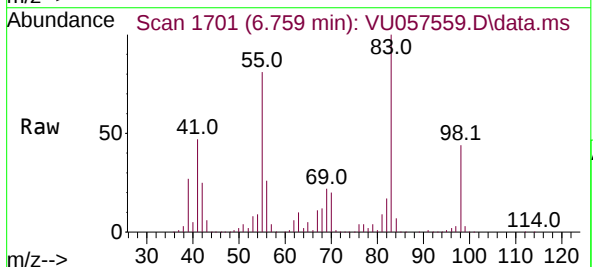
Instrument :
MSVOA_U
ClientSampleId :

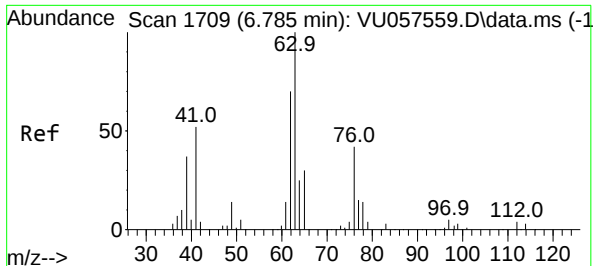
Tgt Ion: 95 Resp: 254323
Ion Ratio Lower Upper
95 100
97 63.4 44.4 82.4
132 86.9 60.8 113.0
130 92.3 64.6 120.0



#35
Methylcyclohexane
Concen: 72.378 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

Tgt Ion: 83 Resp: 396763
Ion Ratio Lower Upper
83 100
55 82.2 65.8 98.6
98 43.5 34.8 52.2





#37

1,2-Dichloropropane

Concen: 70.100 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057559.D

Acq: 18 Jan 2024 15:04

Instrument :

MSVOA_U

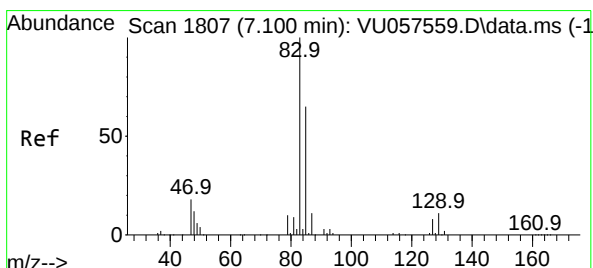
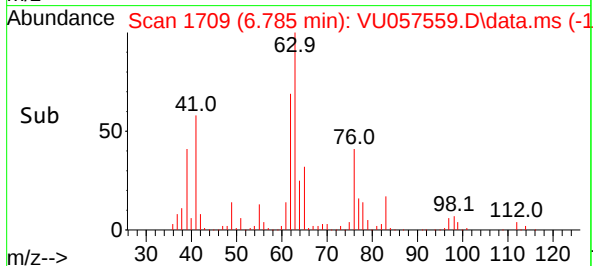
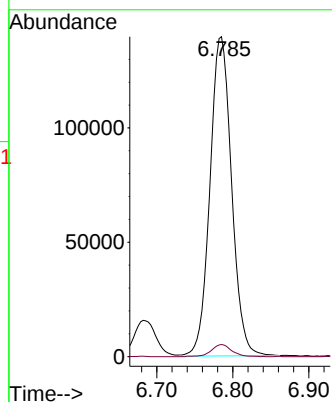
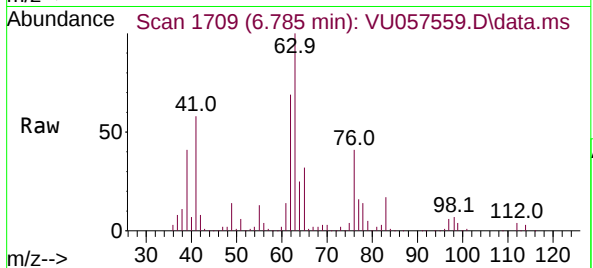
ClientSampleId :

Tgt Ion: 63 Resp: 275827

Ion Ratio Lower Upper

63 100

112 3.6 2.9 4.3



#38

Bromodichloromethane

Concen: 69.350 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU057559.D

Acq: 18 Jan 2024 15:04

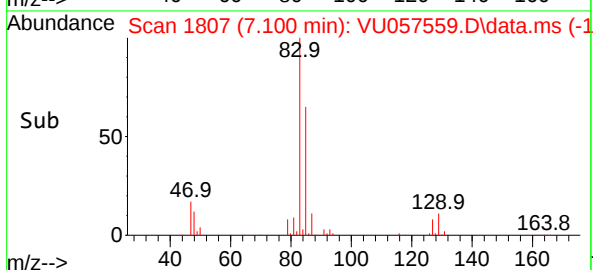
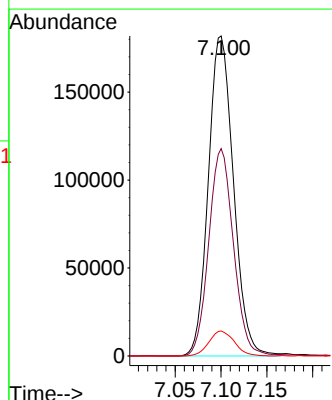
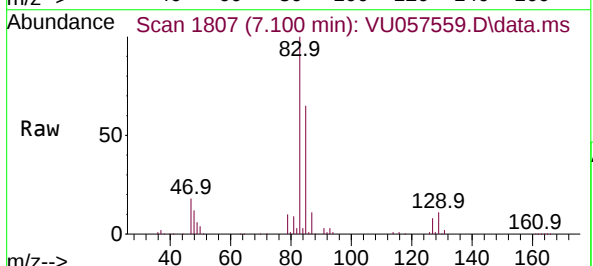
Tgt Ion: 83 Resp: 347359

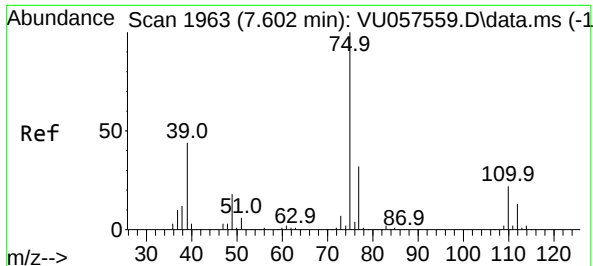
Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

127 7.8 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 68.636 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU057559.D

Acq: 18 Jan 2024 15:04

Instrument :

MSVOA_U

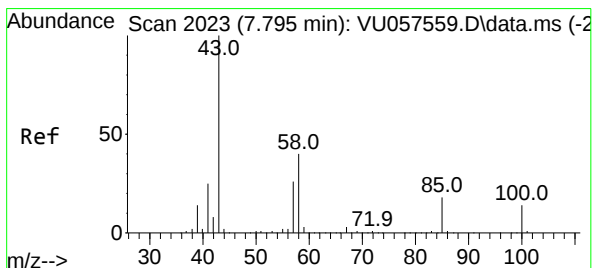
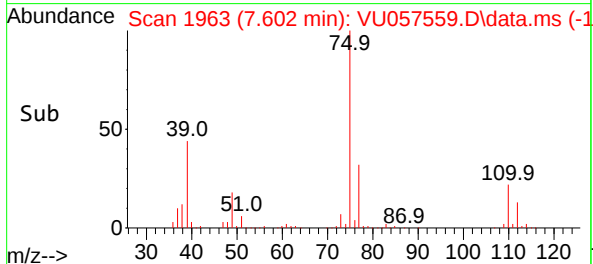
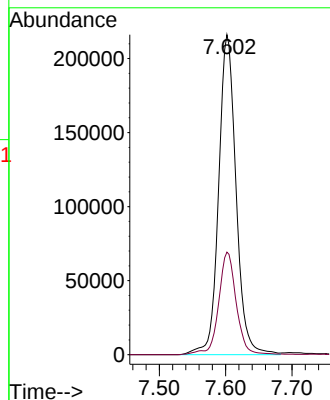
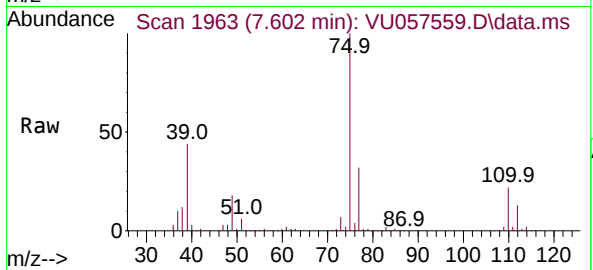
ClientSampleId :

Tgt Ion: 75 Resp: 395009

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 139.536 ug/L

RT: 7.795 min Scan# 2023

Delta R.T. 0.000 min

Lab File: VU057559.D

Acq: 18 Jan 2024 15:04

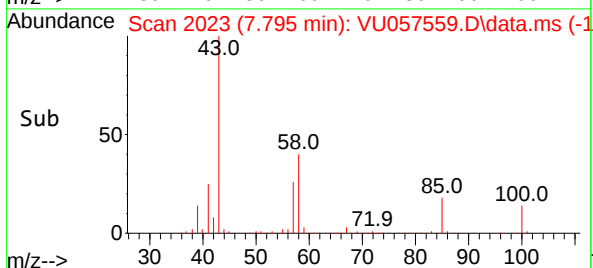
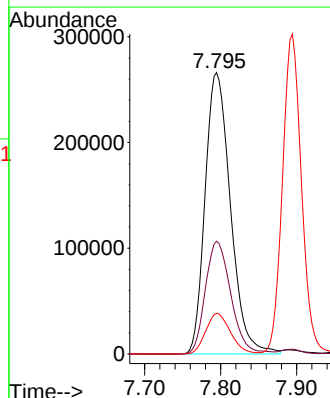
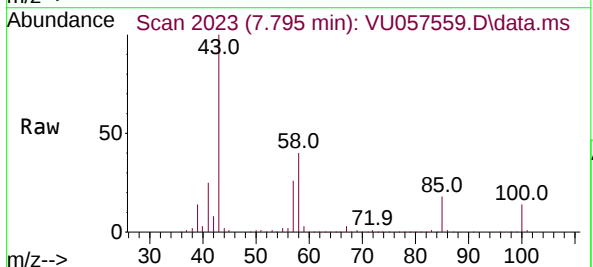
Tgt Ion: 43 Resp: 617958

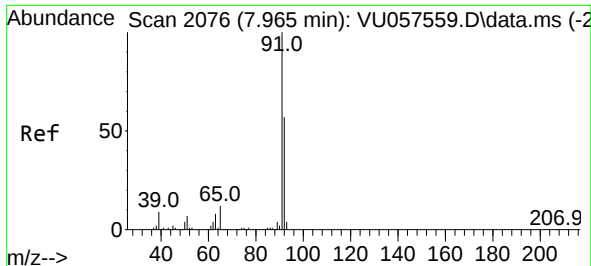
Ion Ratio Lower Upper

43 100

58 40.2 32.2 48.2

100 14.0 11.2 16.8





#42

Toluene

Concen: 69.196 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU057559.D

Acq: 18 Jan 2024 15:04

Instrument :

MSVOA_U

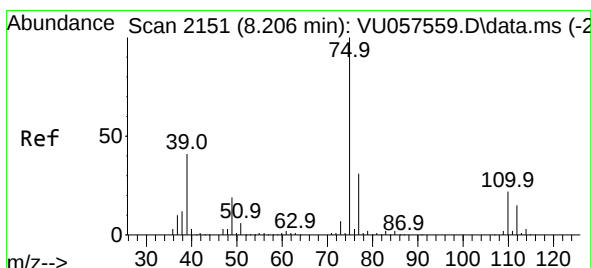
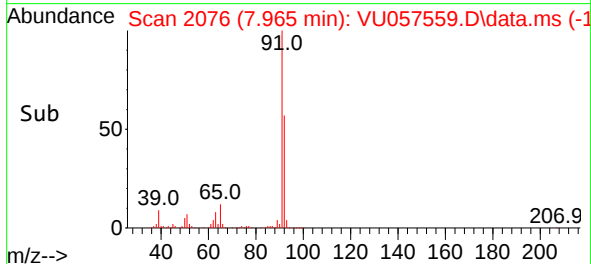
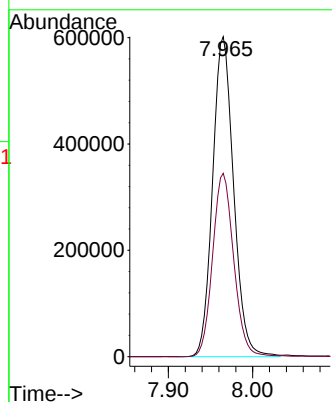
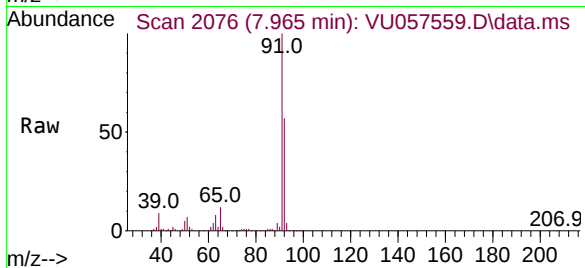
ClientSampleId :

Tgt Ion: 91 Resp: 1041524

Ion Ratio Lower Upper

91 100

92 57.3 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 65.385 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU057559.D

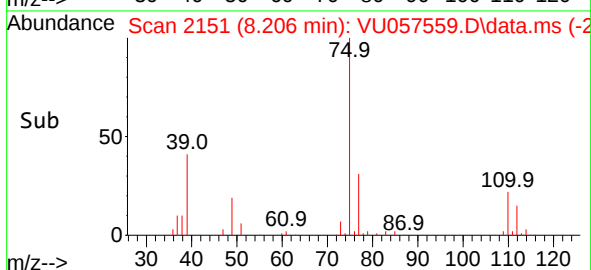
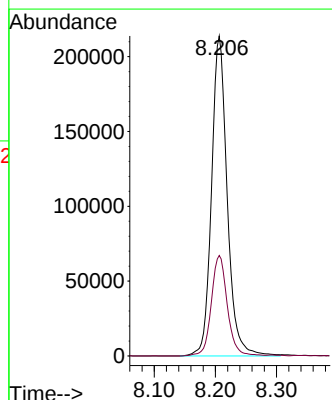
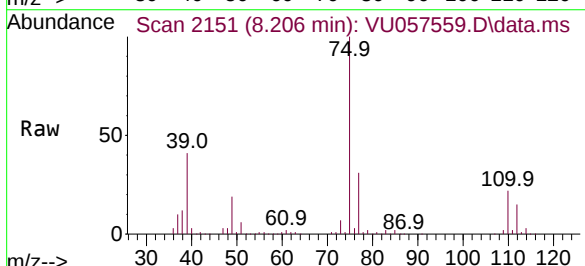
Acq: 18 Jan 2024 15:04

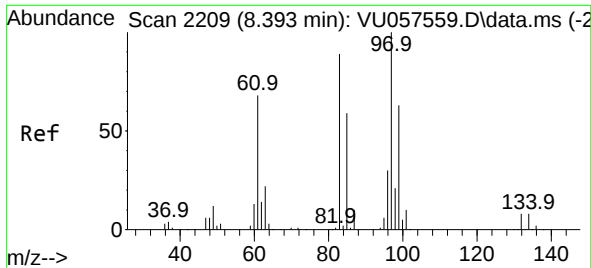
Tgt Ion: 75 Resp: 381582

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8



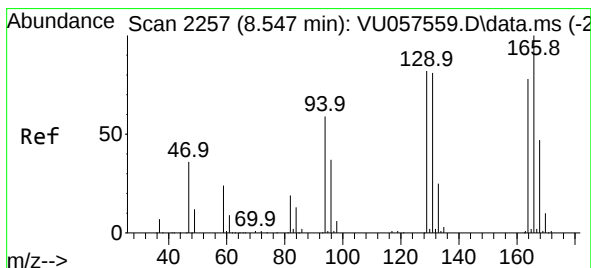
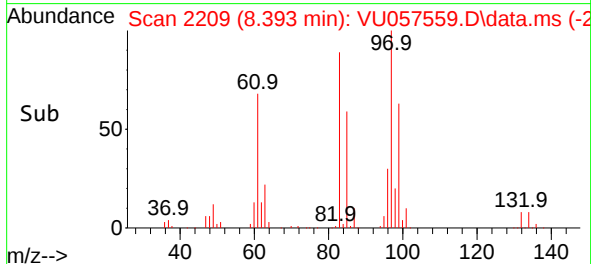
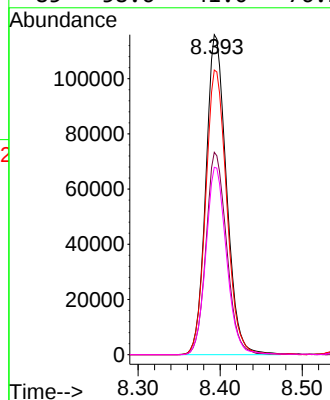
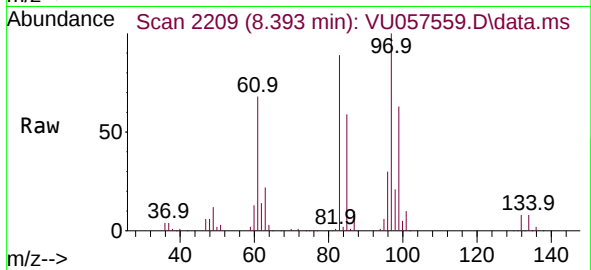


#45
1,1,2-Trichloroethane
Concen: 54.020 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 202377

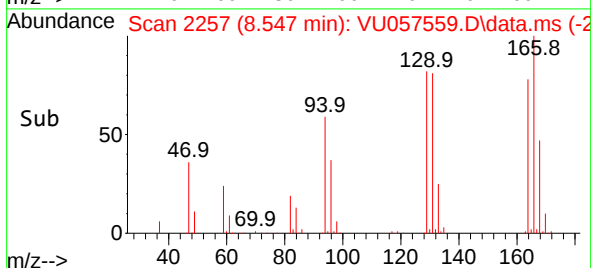
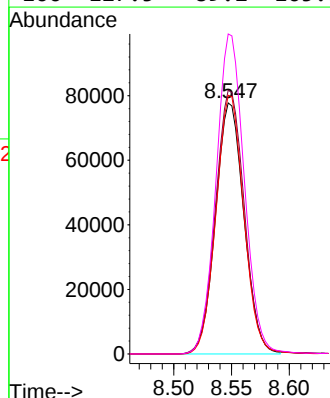
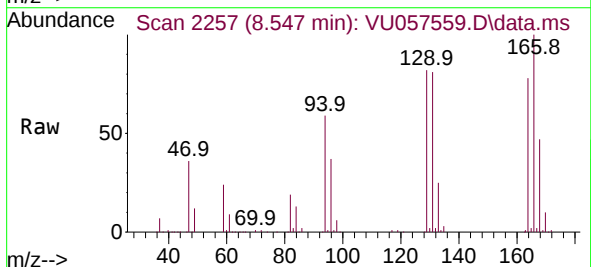
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.2	82.2
83	88.9	62.2	115.6
85	58.6	41.0	76.2

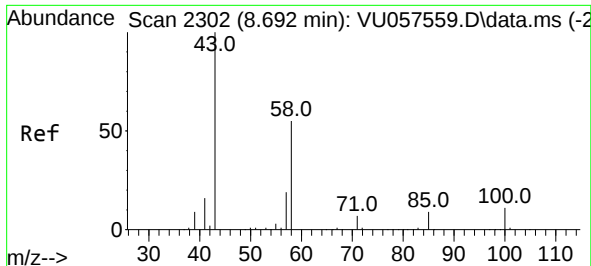


#46
Tetrachloroethene
Concen: 52.449 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

Tgt Ion: 164 Resp: 132671

Ion	Ratio	Lower	Upper
164	100		
129	105.0	73.5	136.5
131	103.0	72.1	133.9
166	127.5	89.2	165.8

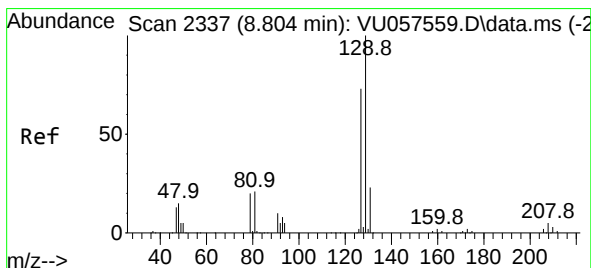
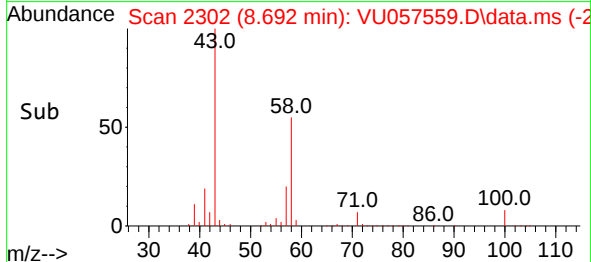
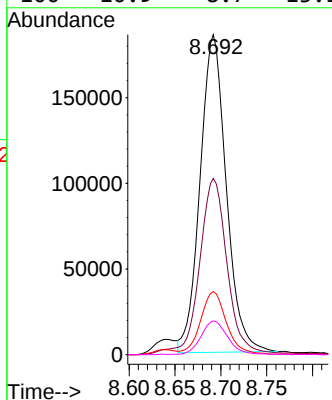
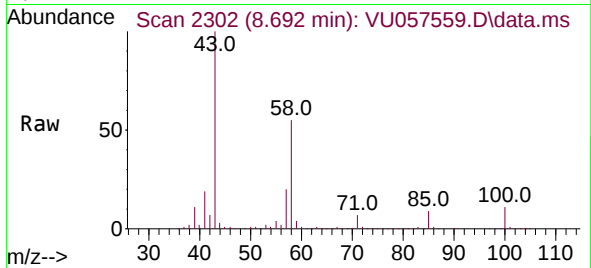




#48
2-Hexanone
Concen: 94.422 ug/L
RT: 8.692 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

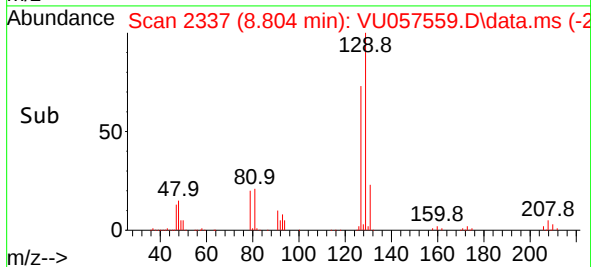
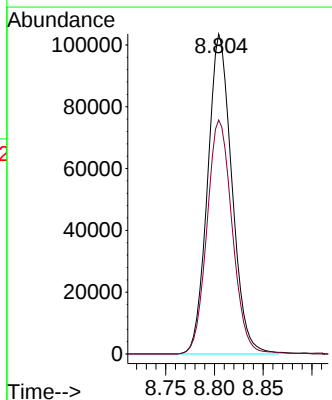
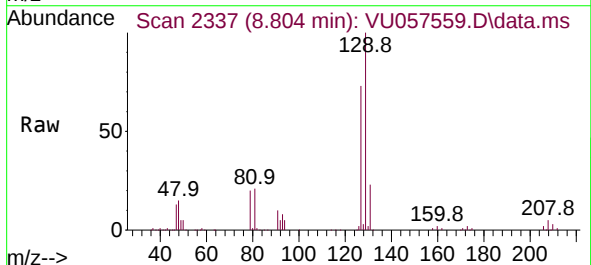
Instrument :
MSVOA_U
ClientSampleId :

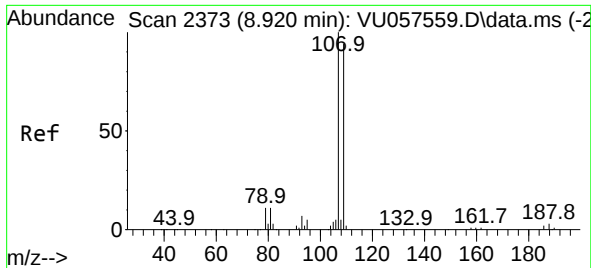
Tgt Ion: 43 Resp: 368189
Ion Ratio Lower Upper
43 100
58 58.8 47.0 70.6
57 19.6 15.7 23.5
100 10.9 8.7 13.1



#49
Dibromochloromethane
Concen: 47.944 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

Tgt Ion: 129 Resp: 179522
Ion Ratio Lower Upper
129 100
127 73.1 51.2 95.0

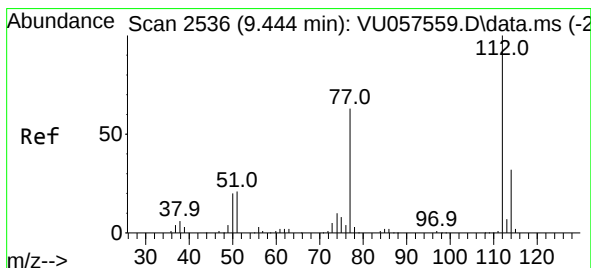
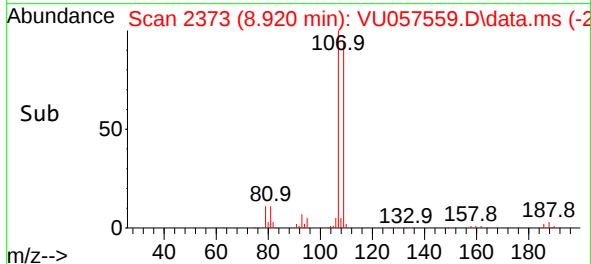
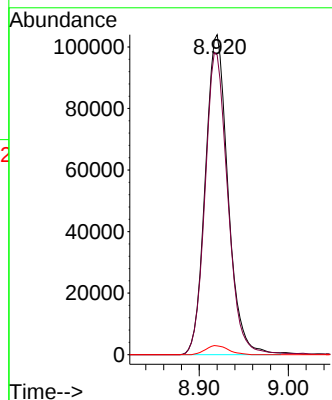
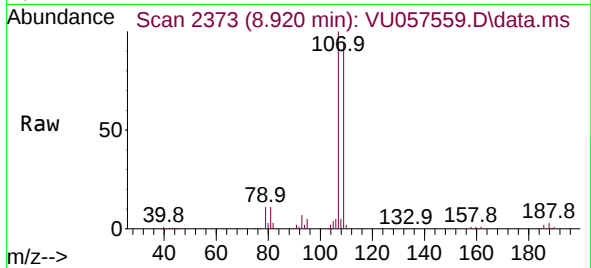




#50
 1,2-Dibromoethane
 Concen: 47.355 ug/L
 RT: 8.920 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU057559.D
 Acq: 18 Jan 2024 15:04

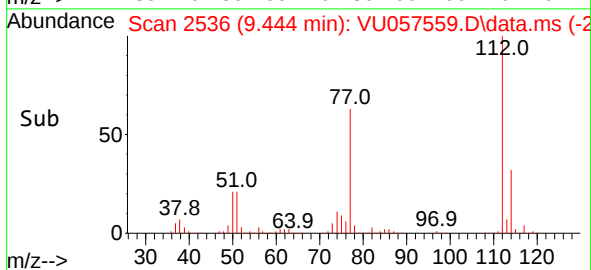
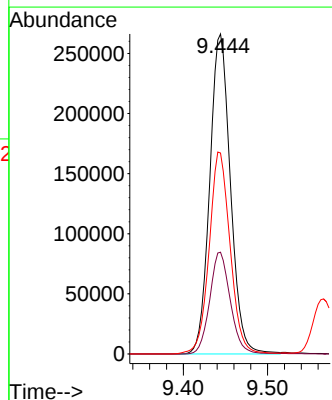
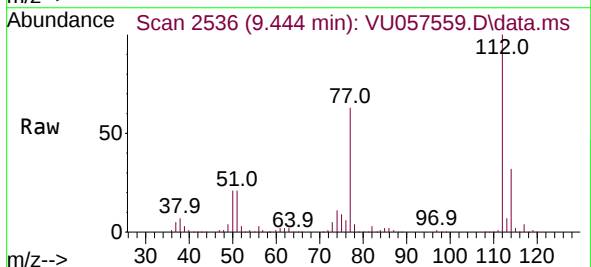
Instrument :
 MSVOA_U
 ClientSampleId :

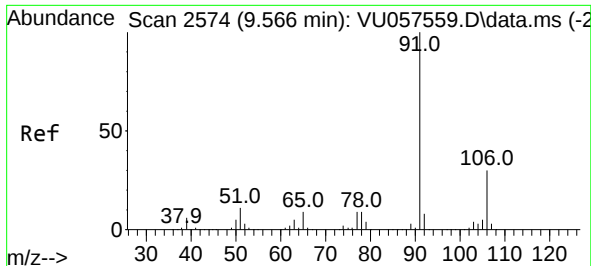
Tgt Ion:107 Resp: 183815
 Ion Ratio Lower Upper
 107 100
 109 93.7 65.6 121.8
 188 2.8 2.2 3.4



#51
 Chlorobenzene
 Concen: 51.557 ug/L
 RT: 9.444 min Scan# 2536
 Delta R.T. 0.000 min
 Lab File: VU057559.D
 Acq: 18 Jan 2024 15:04

Tgt Ion:112 Resp: 454476
 Ion Ratio Lower Upper
 112 100
 114 31.8 22.3 41.3
 77 62.8 50.2 75.4

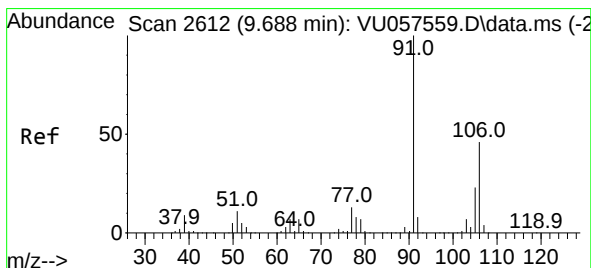
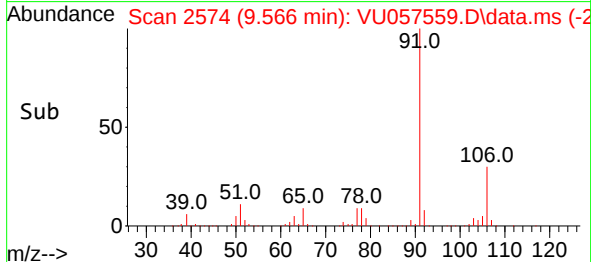
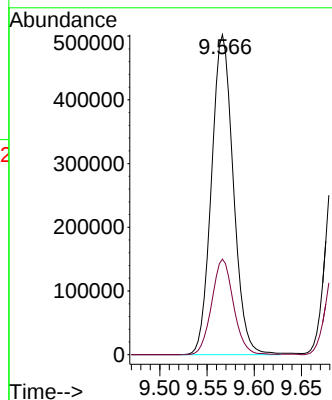
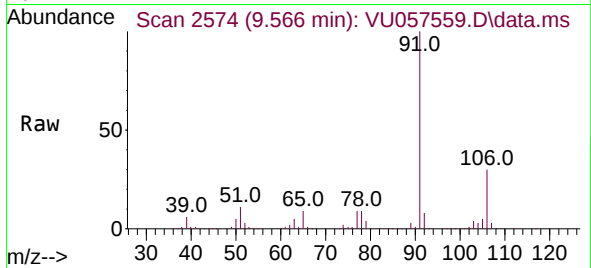




#52
Ethylbenzene
Concen: 54.829 ug/L
RT: 9.566 min Scan# 2100
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

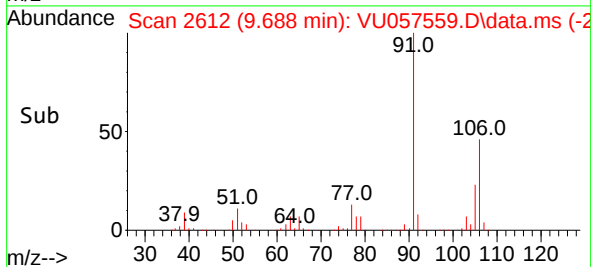
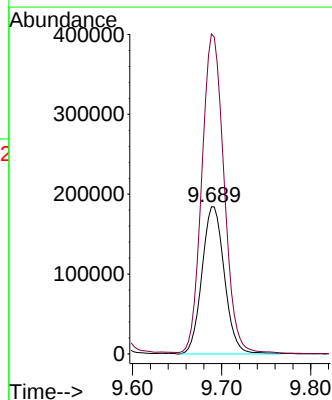
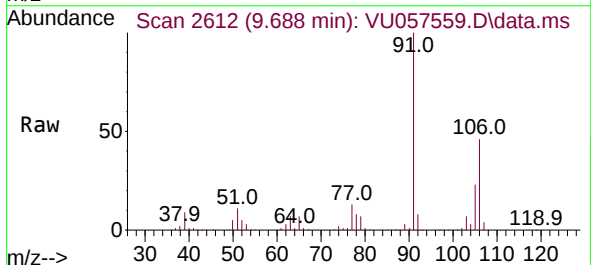
Instrument :
MSVOA_U
ClientSampleId :

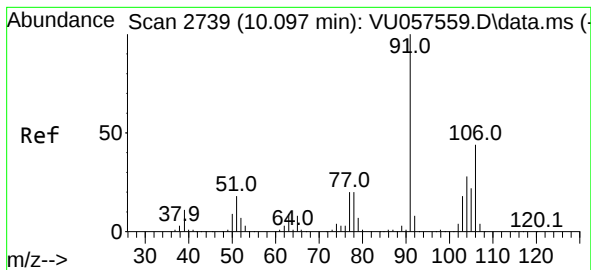
Tgt Ion: 91 Resp: 807192
Ion Ratio Lower Upper
91 100
106 29.9 20.9 38.9



#53
m,p-Xylene
Concen: 59.571 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

Tgt Ion:106 Resp: 322595
Ion Ratio Lower Upper
106 100
91 217.4 152.2 282.6





#54

o-Xylene

Concen: 58.254 ug/L

RT: 10.097 min Scan# 2739

Delta R.T. 0.000 min

Lab File: VU057559.D

Acq: 18 Jan 2024 15:04

Instrument :

MSVOA_U

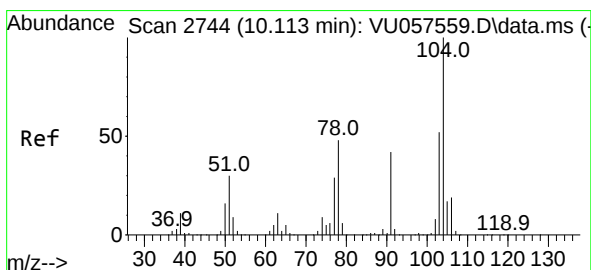
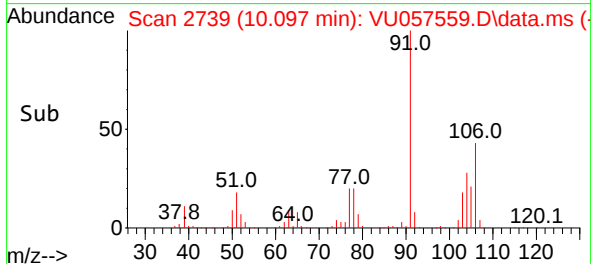
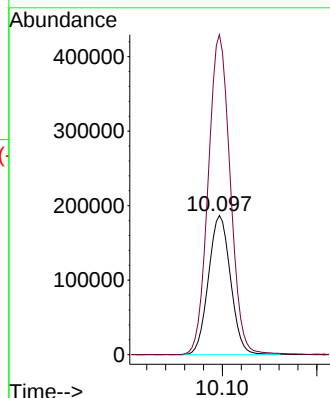
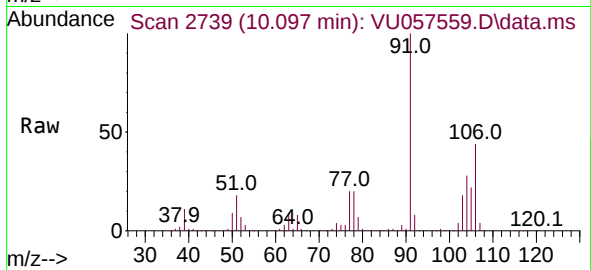
ClientSampleId :

Tgt Ion:106 Resp: 303014

Ion Ratio Lower Upper

106 100

91 229.9 160.9 298.9



#55

Styrene

Concen: 61.768 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.000 min

Lab File: VU057559.D

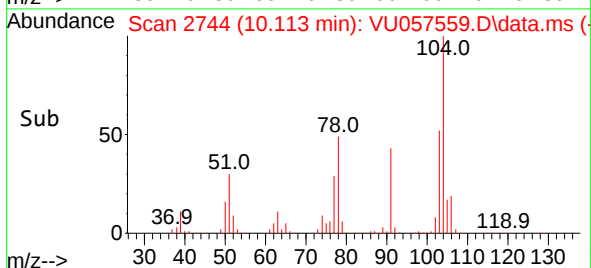
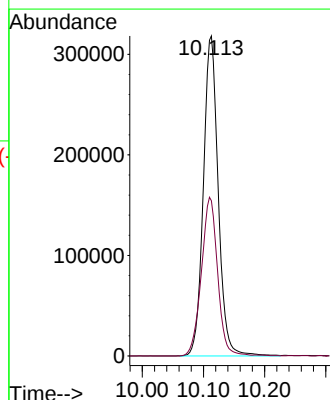
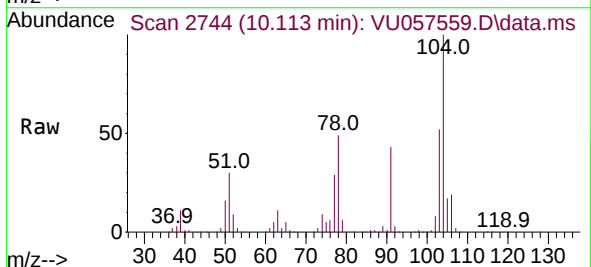
Acq: 18 Jan 2024 15:04

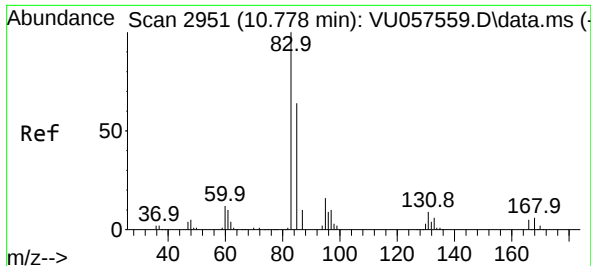
Tgt Ion:104 Resp: 537941

Ion Ratio Lower Upper

104 100

78 48.5 33.9 63.0





#57

1,1,2,2-Tetrachloroethane

Concen: 51.274 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VU057559.D

Acq: 18 Jan 2024 15:04

Instrument :

MSVOA_U

ClientSampleId :

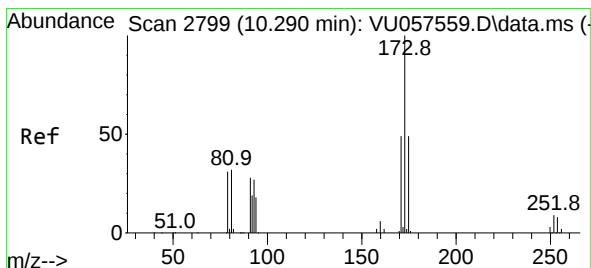
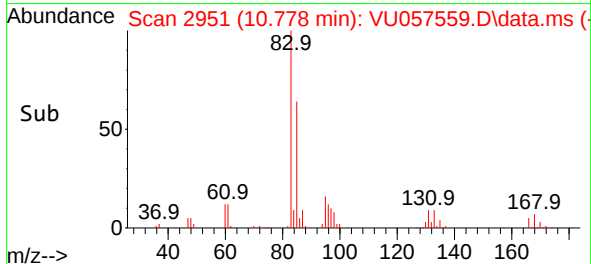
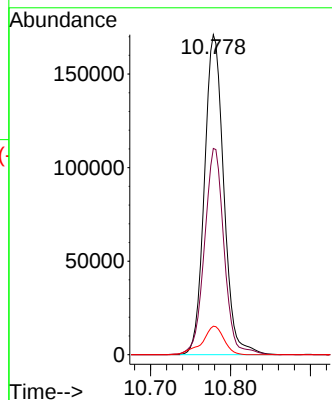
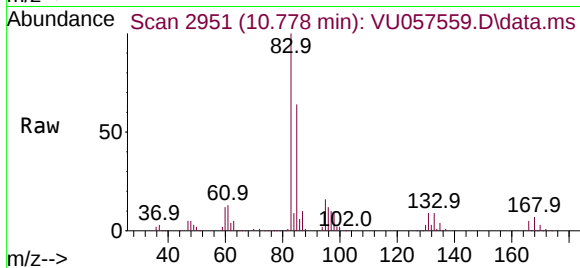
Tgt Ion: 83 Resp: 287803

Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.9

131 8.9 7.1 10.7



#59

Bromoform

Concen: 46.711 ug/L

RT: 10.290 min Scan# 2799

Delta R.T. 0.000 min

Lab File: VU057559.D

Acq: 18 Jan 2024 15:04

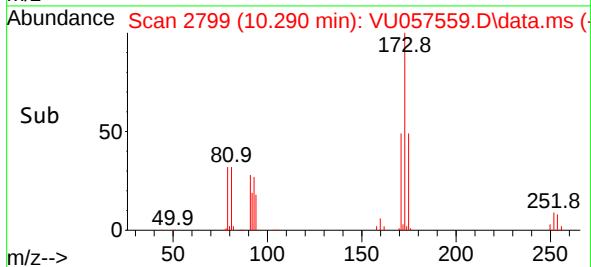
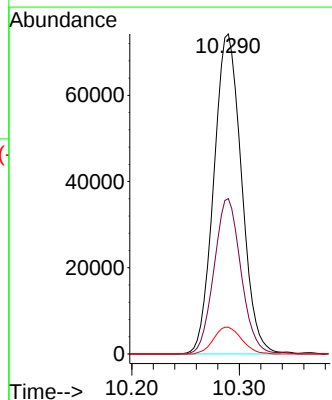
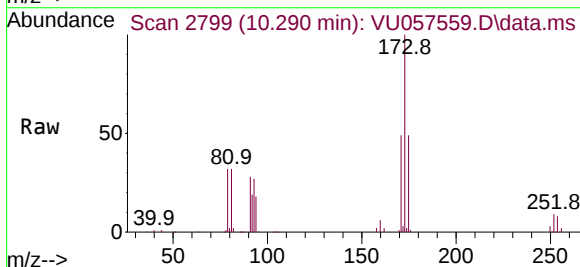
Tgt Ion:173 Resp: 132764

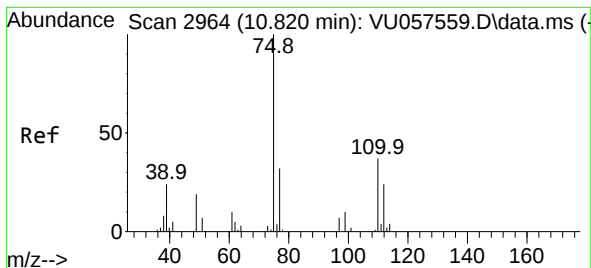
Ion Ratio Lower Upper

173 100

175 47.3 37.8 56.8

254 8.5 6.8 10.2





#60

1,2,3-Trichloropropane

Concen: 44.429 ug/L

RT: 10.820 min Scan# 2964

Delta R.T. 0.000 min

Lab File: VU057559.D

Acq: 18 Jan 2024 15:04

Instrument :

MSVOA_U

ClientSampleId :

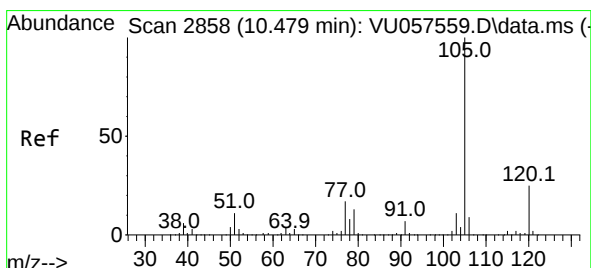
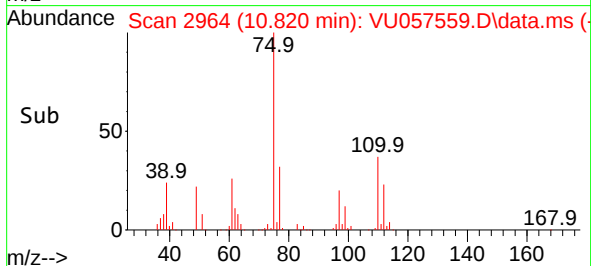
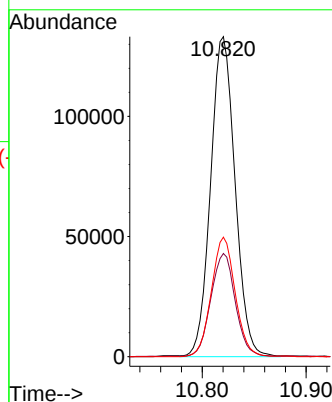
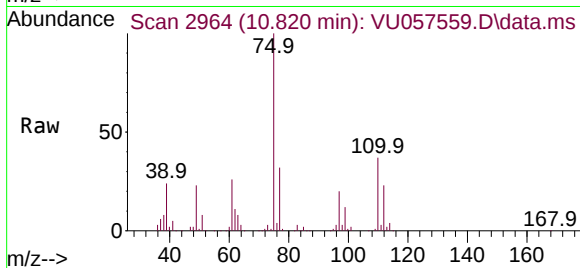
Tgt Ion: 75 Resp: 217959

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

110 36.4 29.1 43.7



#61

Isopropylbenzene

Concen: 52.839 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU057559.D

Acq: 18 Jan 2024 15:04

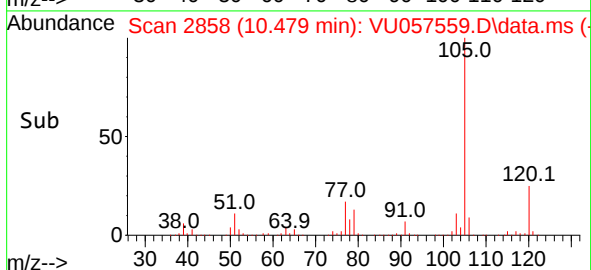
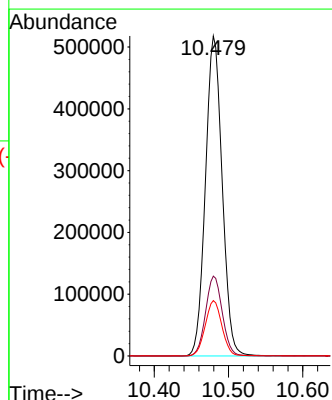
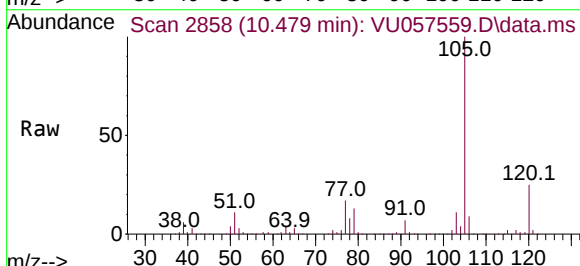
Tgt Ion: 105 Resp: 808717

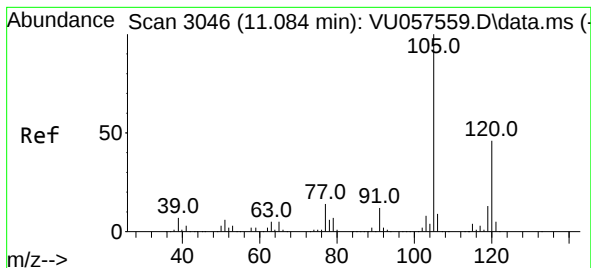
Ion Ratio Lower Upper

105 100

120 24.9 19.9 29.9

77 17.1 13.7 20.5





#62

1,3,5-Trimethylbenzene

Concen: 51.069 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU057559.D

Acq: 18 Jan 2024 15:04

Instrument :

MSVOA_U

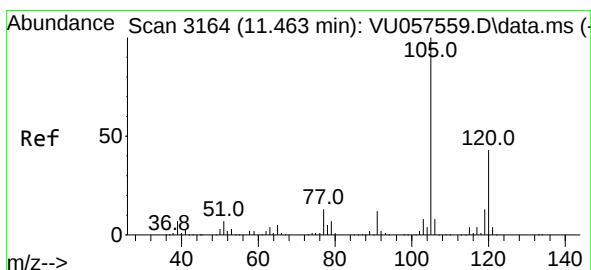
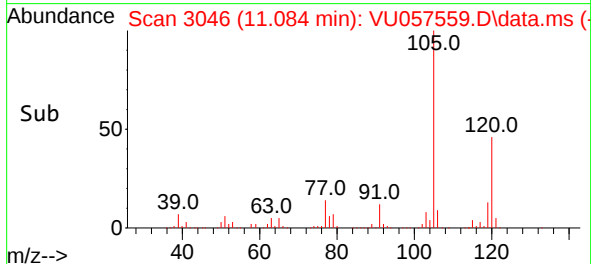
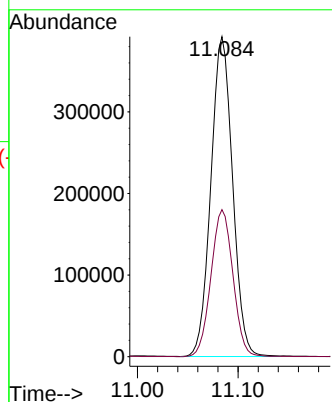
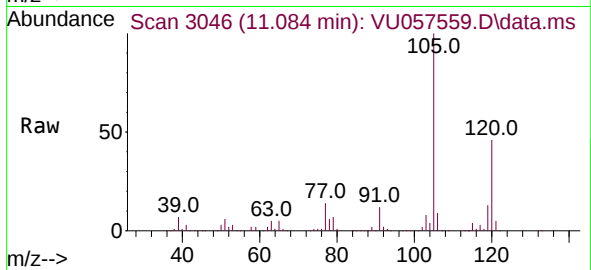
ClientSampleId :

Tgt Ion:105 Resp: 587442

Ion Ratio Lower Upper

105 100

120 46.5 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 51.889 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU057559.D

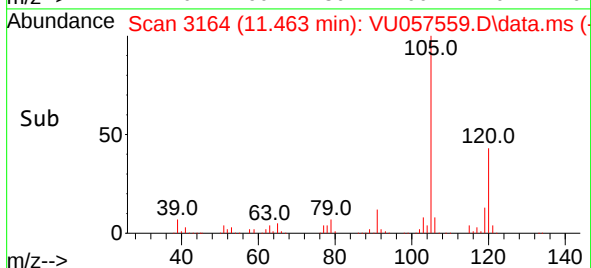
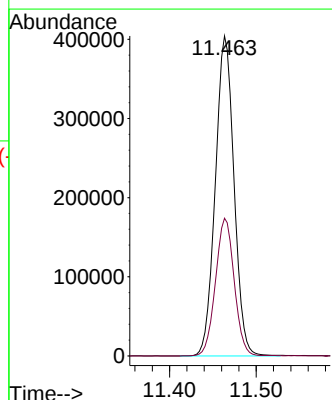
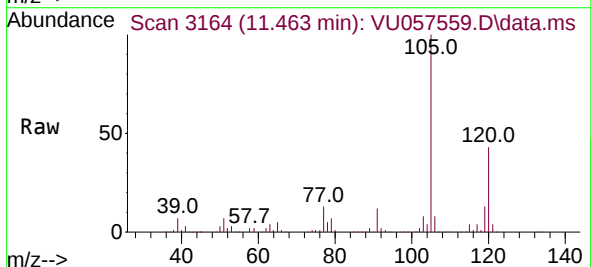
Acq: 18 Jan 2024 15:04

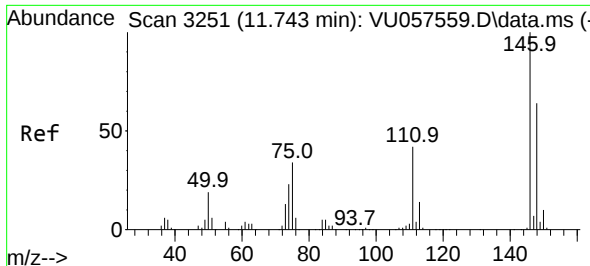
Tgt Ion:105 Resp: 605755

Ion Ratio Lower Upper

105 100

120 43.1 34.5 51.7

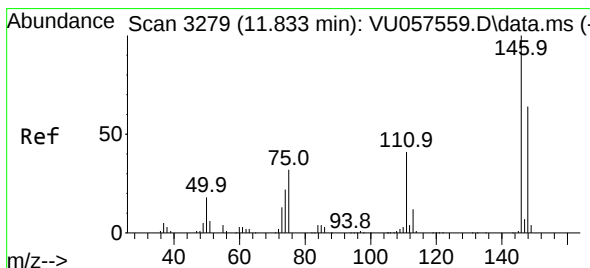
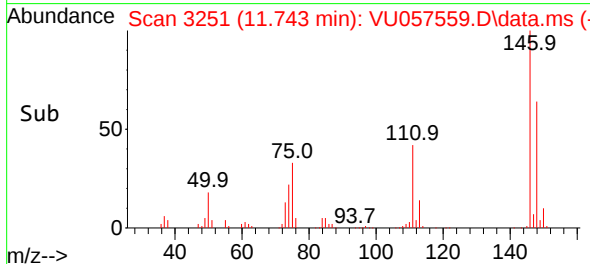
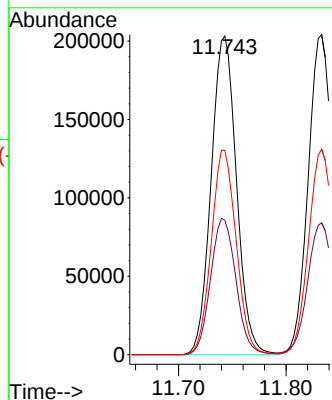
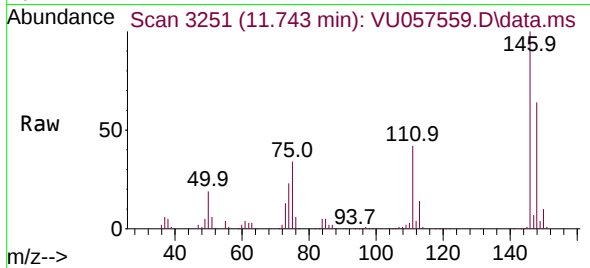




#64
1,3-Dichlorobenzene
Concen: 51.142 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

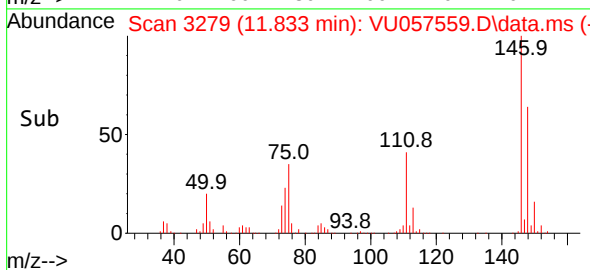
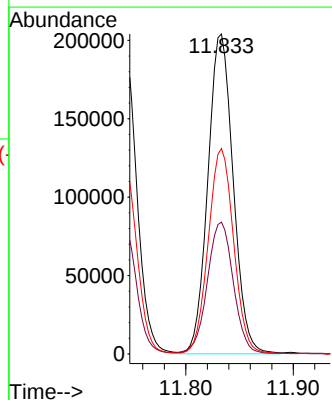
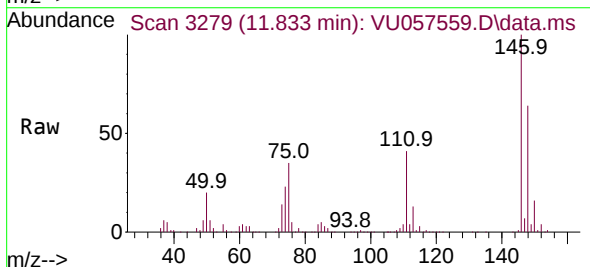
Instrument :
MSVOA_U
ClientSampleId :

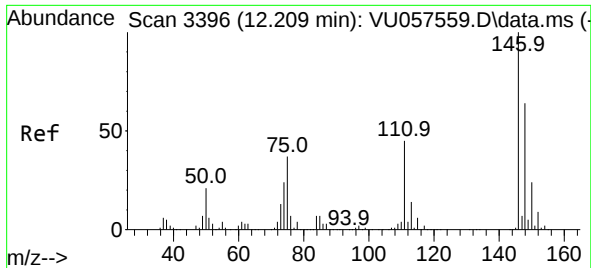
Tgt Ion:146 Resp: 332472
Ion Ratio Lower Upper
146 100
111 42.2 29.5 54.9
148 64.1 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 50.389 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

Tgt Ion:146 Resp: 334023
Ion Ratio Lower Upper
146 100
111 41.2 28.8 53.6
148 64.2 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 57.779 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.000 min

Lab File: VU057559.D

Acq: 18 Jan 2024 15:04

Instrument :

MSVOA_U

ClientSampleId :

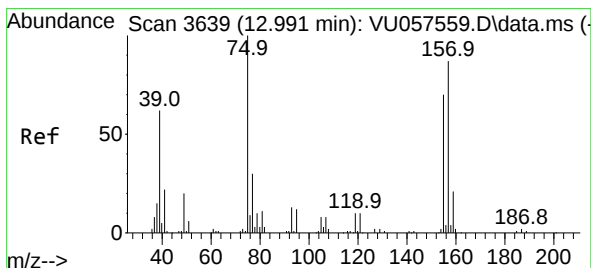
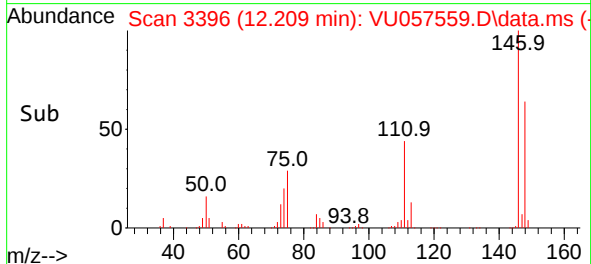
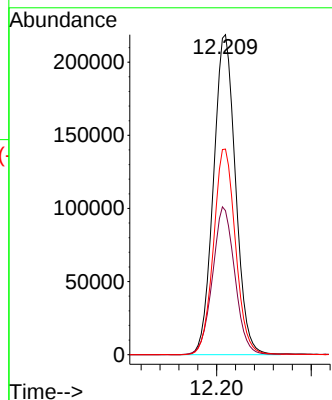
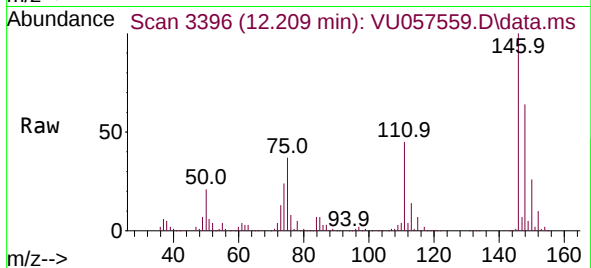
Tgt Ion:146 Resp: 354193

Ion Ratio Lower Upper

146 100

111 45.0 36.0 54.0

148 64.2 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 63.558 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU057559.D

Acq: 18 Jan 2024 15:04

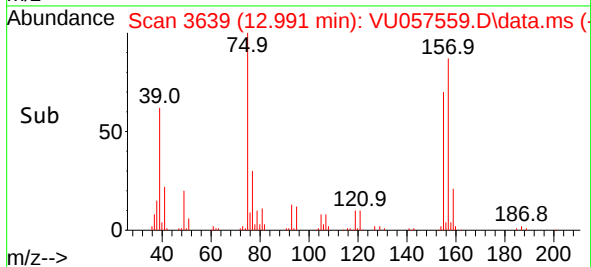
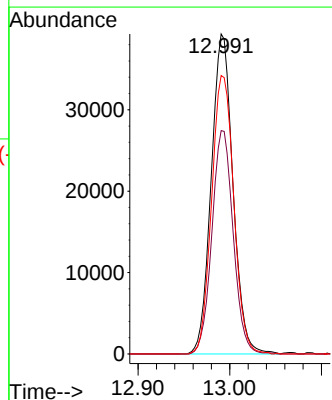
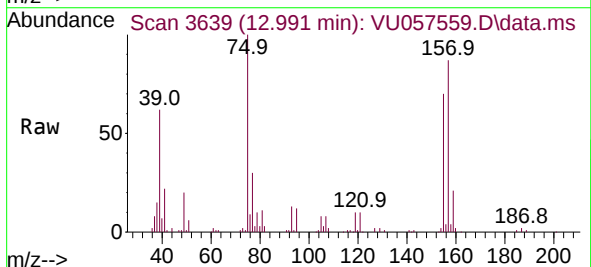
Tgt Ion: 75 Resp: 64551

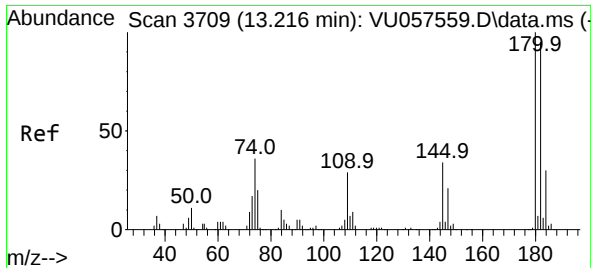
Ion Ratio Lower Upper

75 100

155 69.8 55.8 83.8

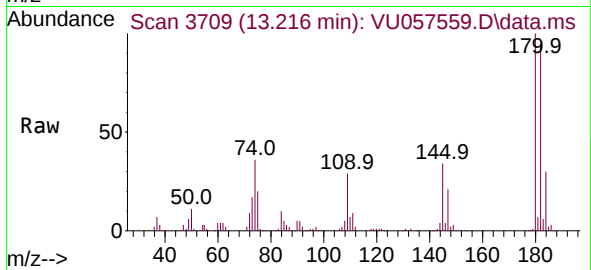
157 87.0 69.6 104.4



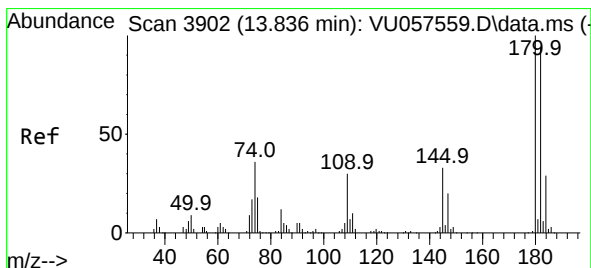
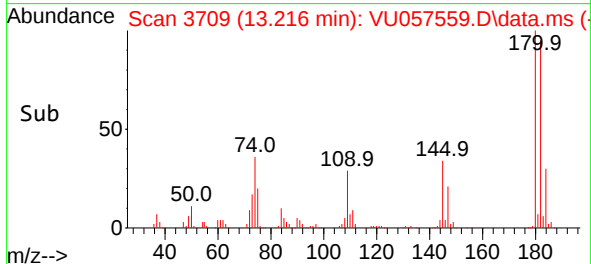
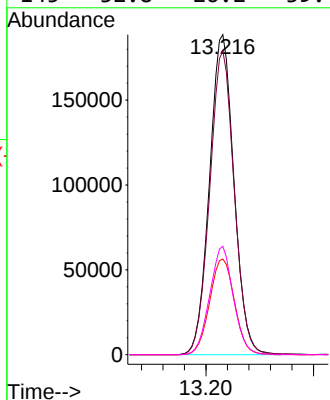


#69
1,3,5-Trichlorobenzene
Concen: 67.427 ug/L
RT: 13.216 min Scan# 3709
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

Instrument :
MSVOA_U
ClientSampleId :

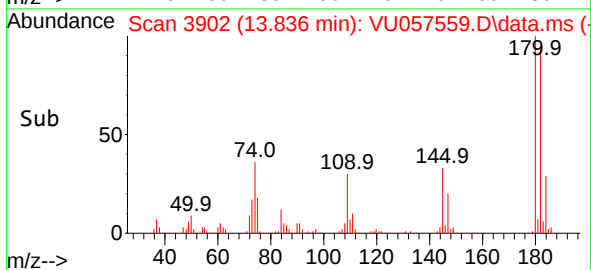
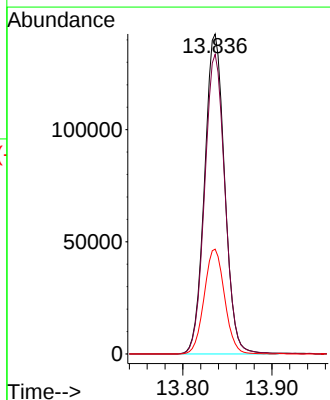
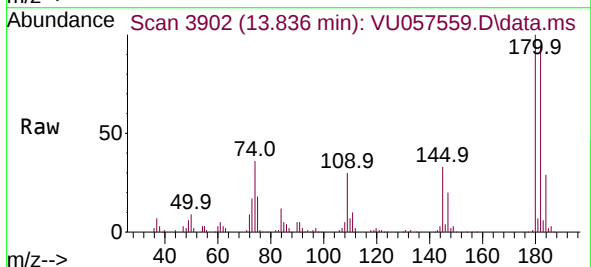


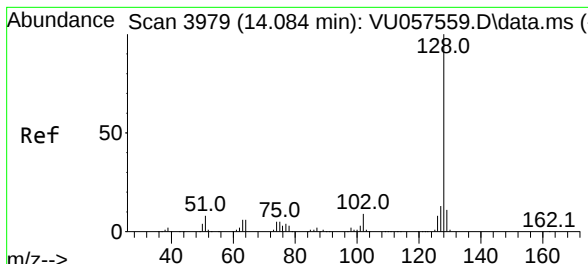
Tgt Ion:180 Resp: 297647
Ion Ratio Lower Upper
180 100
182 95.2 76.2 114.2
184 30.5 24.4 36.6
145 32.8 26.2 39.4



#70
1,2,4-trichlorobenzene
Concen: 65.319 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

Tgt Ion:180 Resp: 223181
Ion Ratio Lower Upper
180 100
182 94.8 75.8 113.8
145 33.3 26.6 40.0

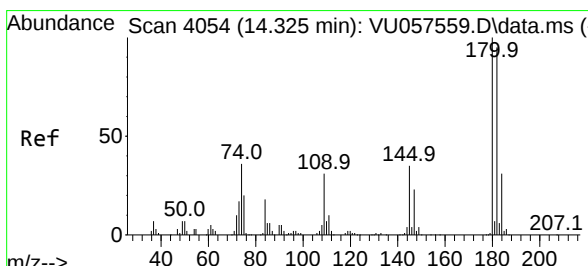
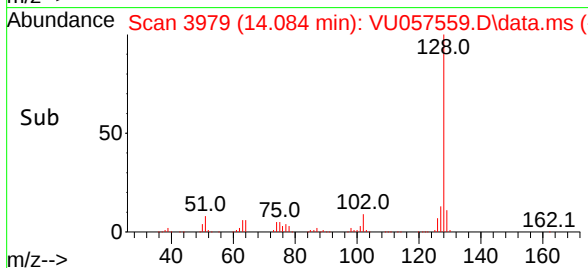
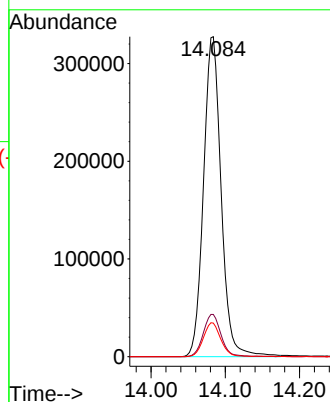
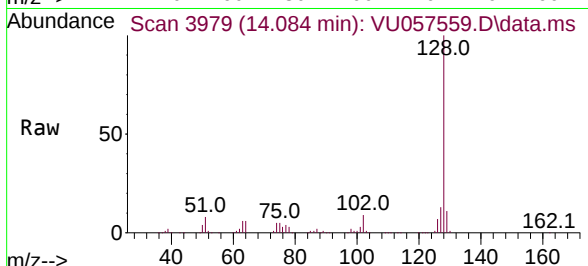




#71
Naphthalene
Concen: 66.366 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	128	Resp:	540046
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	10.5	8.4	12.6



#72
1,2,3-Trichlorobenzene
Concen: 67.742 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU057559.D
Acq: 18 Jan 2024 15:04

Tgt Ion:	180	Resp:	209663
Ion Ratio	Lower	Upper	
180	100		
182	97.1	77.7	116.5
145	35.4	28.3	42.5

