

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022024\
 Data File : VU057911.D
 Acq On : 20 Feb 2024 18:43
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 21 00:16:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 21 00:11:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	285937	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	272825	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	134700	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	91422	44.163	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.320%
7) Chloroethane-d5	1.907	69	69770	45.599	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.200%
11) 1,1-Dichloroethene-d2	2.563	63	176821	45.833	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.660%
21) 2-Butanone-d5	4.611	46	76822	97.670	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.670%
24) Chloroform-d	5.052	84	167965	47.850	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.700%
26) 1,2-Dichloroethane-d4	5.689	65	105811	48.086	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.180%
32) Benzene-d6	5.718	84	325635	47.627	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.260%
36) 1,2-Dichloropropane-d6	6.682	67	106397	48.193	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.380%
41) Toluene-d8	7.891	98	298550	48.238	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.480%
43) trans-1,3-Dichloroprop...	8.171	79	51095	48.600	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.200%
47) 2-Hexanone-d5	8.624	63	72446	85.358	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.360%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	133434	43.800	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	102606	47.043	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	137808	43.963	ug/L	99
3) Chloromethane	1.515	50	135285	42.446	ug/L	99
5) Vinyl chloride	1.599	62	136748	43.449	ug/L	99
6) Bromomethane	1.850	94	64557	52.534	ug/L	98
8) Chloroethane	1.927	64	81724	44.399	ug/L	99
9) Trichlorofluoromethane	2.132	101	174485	45.306	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	101033	45.138	ug/L	99
12) 1,1-Dichloroethene	2.573	96	94116	45.460	ug/L	96
13) Acetone	2.608	43	100716	69.158	ug/L	100
14) Carbon disulfide	2.785	76	300826	44.400	ug/L	99
15) Methyl Acetate	2.933	43	101638	42.869	ug/L	99
16) Methylene chloride	3.033	84	107875	39.977	ug/L	100
17) trans-1,2-Dichloroethene	3.345	96	97094	45.205	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	332779	44.502	ug/L	100
19) 1,1-Dichloroethane	3.856	63	202602	45.497	ug/L	100
20) cis-1,2-Dichloroethene	4.657	96	110460	44.830	ug/L	99
22) 2-Butanone	4.685	43	139596	79.119	ug/L	99
23) Bromochloromethane	4.962	128	53151	44.397	ug/L	98
25) Chloroform	5.078	83	197834	44.995	ug/L	99

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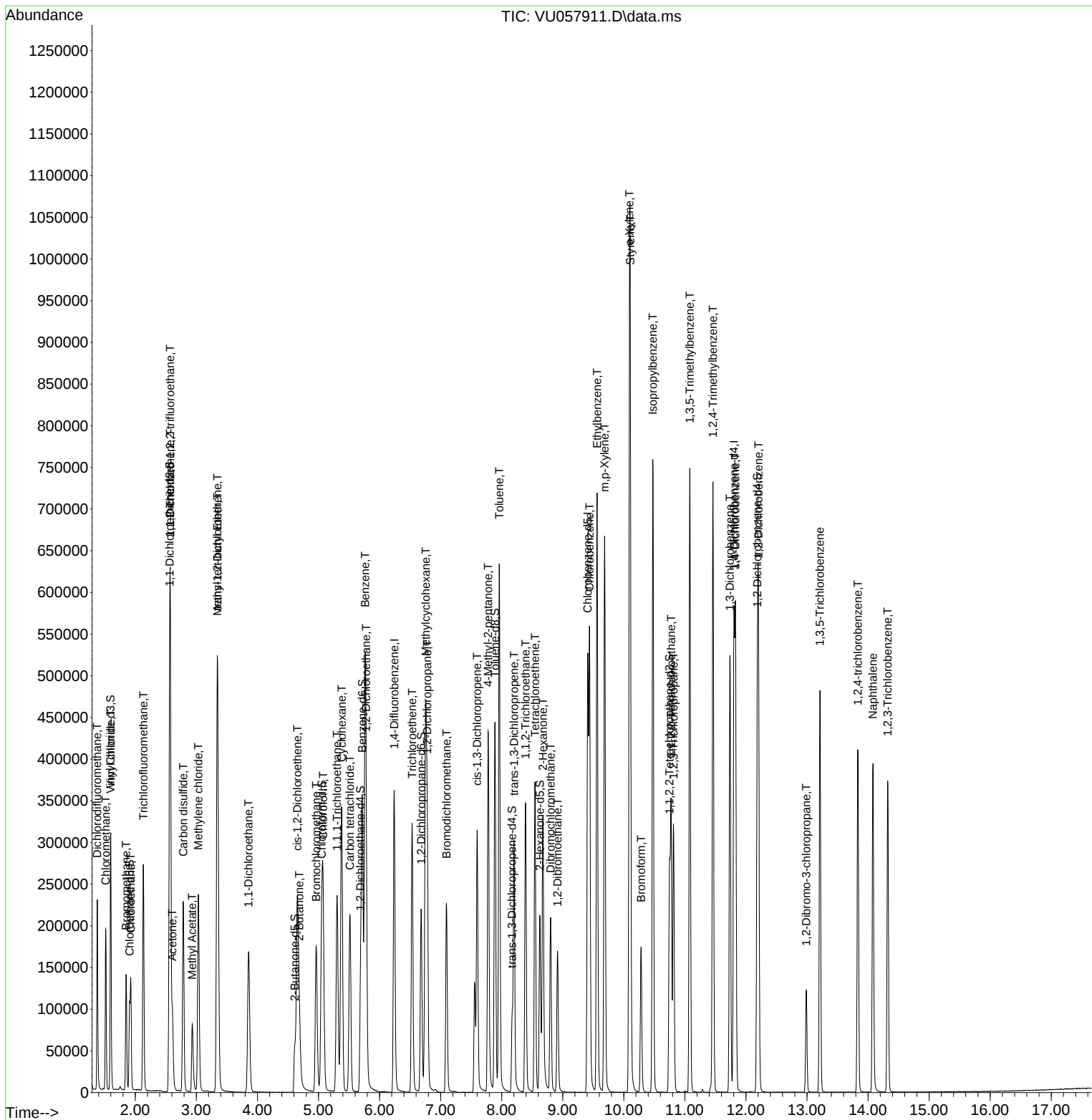
Instrument :
 MSVOA_U
 ClientSampleId :

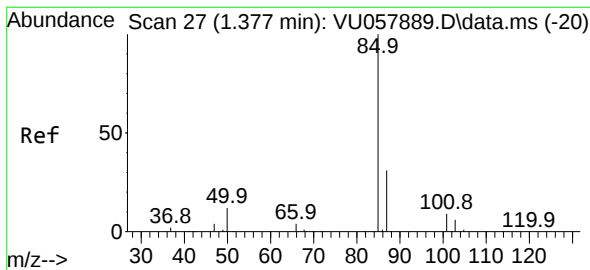
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	162049	44.294	ug/L	99
29) Cyclohexane	5.380	56	180959	45.067	ug/L	100
30) 1,1,1-Trichloroethane	5.306	97	170326	46.328	ug/L	100
31) Carbon tetrachloride	5.515	117	146091	46.272	ug/L	98
33) Benzene	5.766	78	431098	45.304	ug/L	100
34) Trichloroethene	6.534	95	111638	45.640	ug/L	96
35) Methylcyclohexane	6.756	83	180680	45.464	ug/L	99
37) 1,2-Dichloropropane	6.782	63	119278	44.423	ug/L	100
38) Bromodichloromethane	7.097	83	148792	46.147	ug/L	97
39) cis-1,3-Dichloropropene	7.598	75	181415	44.212	ug/L	100
40) 4-Methyl-2-pentanone	7.779	43	291025	86.105	ug/L	99
42) Toluene	7.962	91	455508	46.253	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	172814	45.383	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	105687	44.299	ug/L	99
46) Tetrachloroethene	8.547	164	77669	46.139	ug/L	97
48) 2-Hexanone	8.676	43	217225	78.741	ug/L	98
49) Dibromochloromethane	8.801	129	106725	44.919	ug/L	96
50) 1,2-Dibromoethane	8.914	107	113273	45.093	ug/L	97
51) Chlorobenzene	9.441	112	279279	44.596	ug/L	97
52) Ethylbenzene	9.563	91	501167	45.385	ug/L	100
53) m,p-Xylene	9.685	106	184879	46.037	ug/L	99
54) o-Xylene	10.094	106	180908	45.593	ug/L	97
55) Styrene	10.106	104	303728	44.638	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	169510	41.708	ug/L	100
59) Bromoform	10.283	173	74365	44.974	ug/L #	99
60) 1,2,3-Trichloropropane	10.814	75	132964	42.607	ug/L	99
61) Isopropylbenzene	10.476	105	481998	45.788	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	402699	44.402	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	400024	43.895	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	201335	43.257	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	205775	43.399	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	197879	43.214	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.987	75	32165	43.411	ug/L	89
69) 1,3,5-Trichlorobenzene	13.212	180	137299	43.858	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	115554	45.846	ug/L	99
71) Naphthalene	14.081	128	303713	45.376	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	107336	46.364	ug/L	100

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

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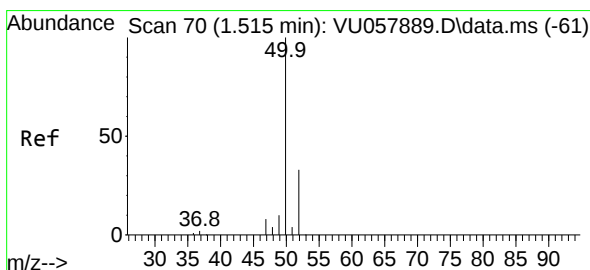
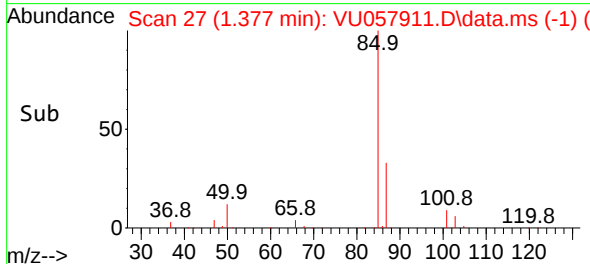
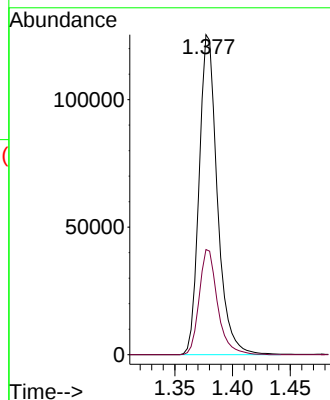
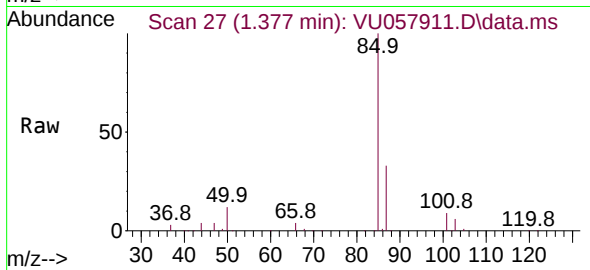




#2
 Dichlorodifluoromethane
 Concen: 43.963 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU057911.D
 Acq: 20 Feb 2024 18:43

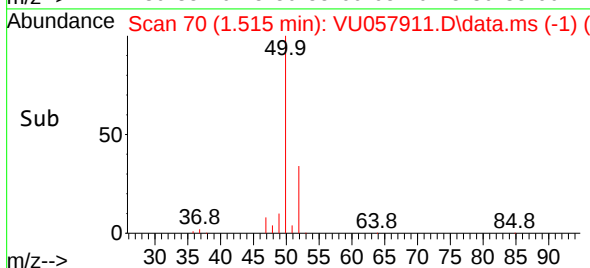
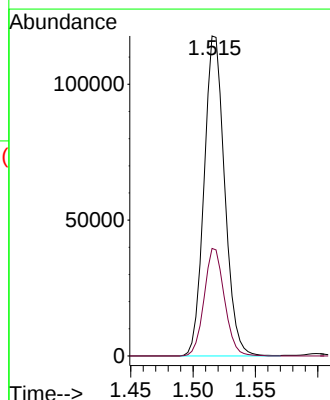
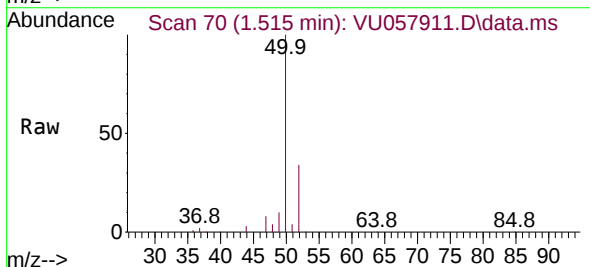
Instrument :
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 ClientSampleId :

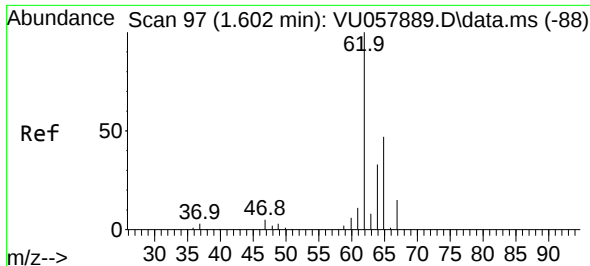
Tgt Ion: 85 Resp: 137808
 Ion Ratio Lower Upper
 85 100
 87 33.0 26.2 39.2



#3
 Chloromethane
 Concen: 42.446 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU057911.D
 Acq: 20 Feb 2024 18:43

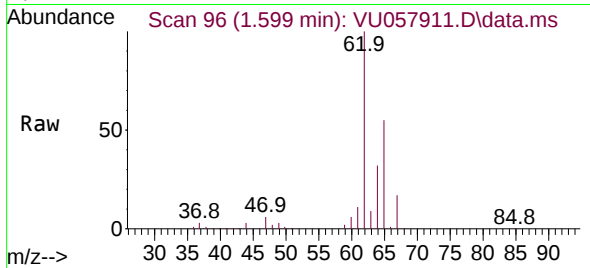
Tgt Ion: 50 Resp: 135285
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.8 44.2



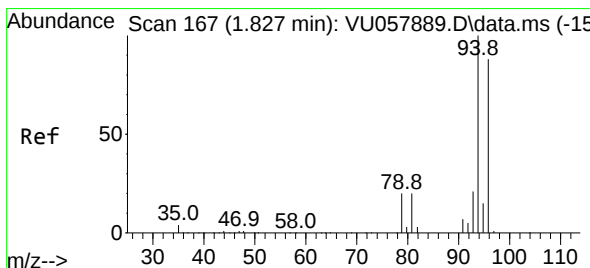
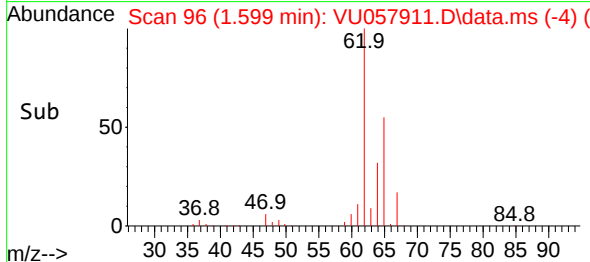
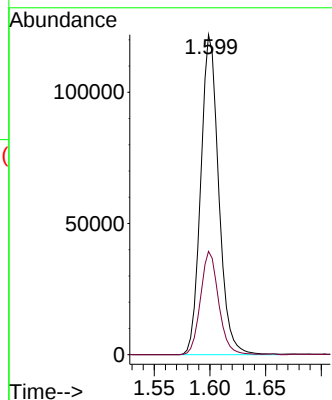


#5
Vinyl chloride
Concen: 43.449 ug/L
RT: 1.599 min Scan# 90
Delta R.T. -0.003 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

Instrument :
MSVOA_U
ClientSampleId :

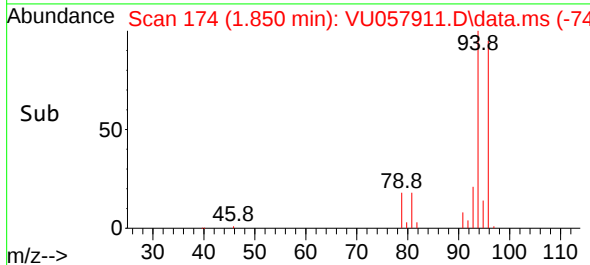
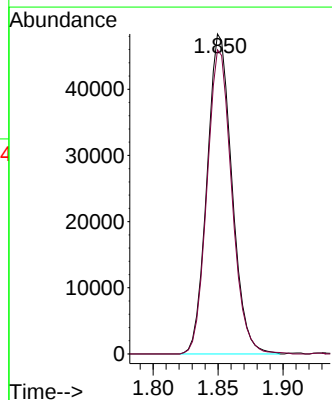
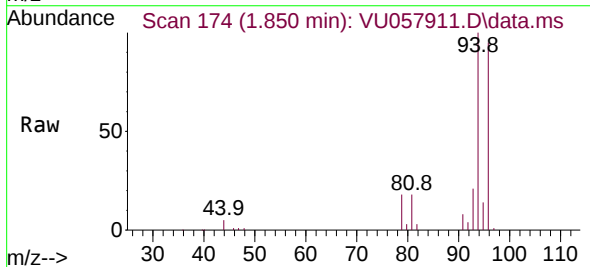


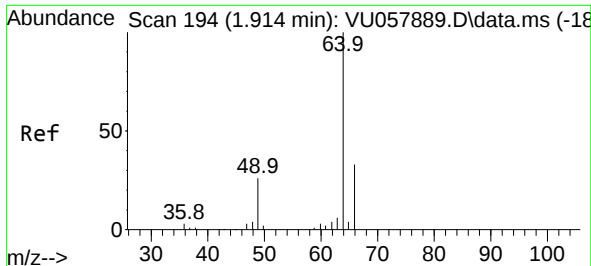
Tgt Ion: 62 Resp: 136748
Ion Ratio Lower Upper
62 100
64 32.3 23.1 42.9



#6
Bromomethane
Concen: 52.534 ug/L
RT: 1.850 min Scan# 174
Delta R.T. 0.022 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

Tgt Ion: 94 Resp: 64557
Ion Ratio Lower Upper
94 100
96 95.1 65.5 121.7





#8

Chloroethane

Concen: 44.399 ug/L

RT: 1.927 min Scan# 19

Delta R.T. 0.013 min

Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

Instrument :

MSVOA_U

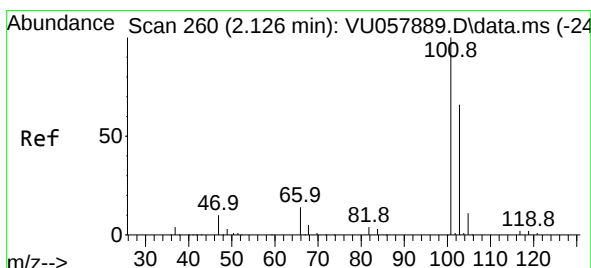
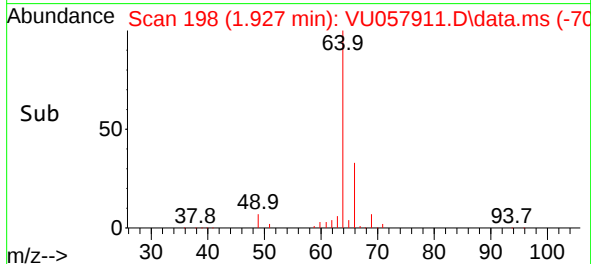
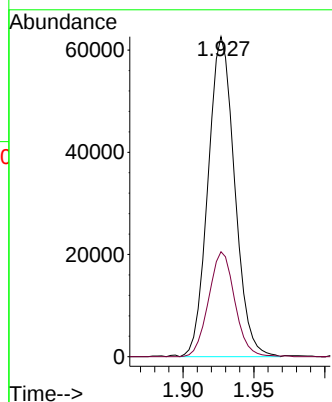
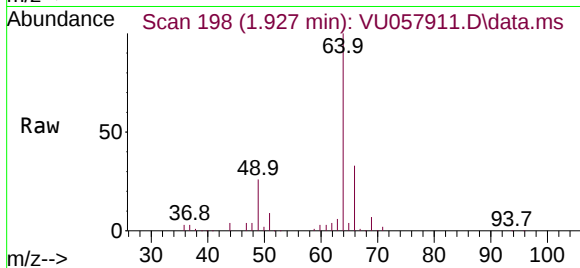
ClientSampleId :

Tgt Ion: 64 Resp: 81724

Ion Ratio Lower Upper

64 100

66 32.8 22.5 41.9



#9

Trichlorofluoromethane

Concen: 45.306 ug/L

RT: 2.132 min Scan# 262

Delta R.T. 0.006 min

Lab File: VU057911.D

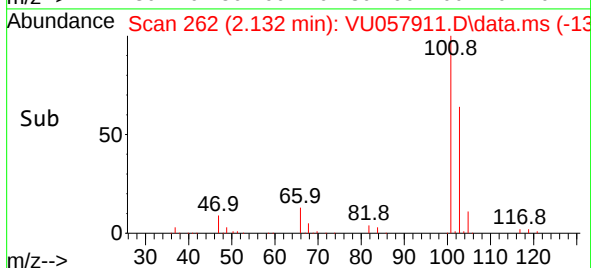
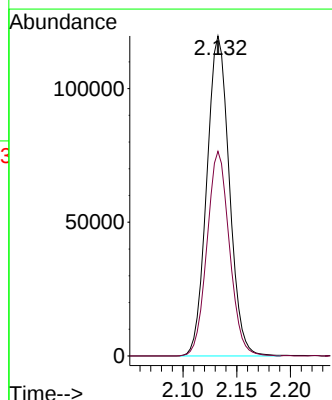
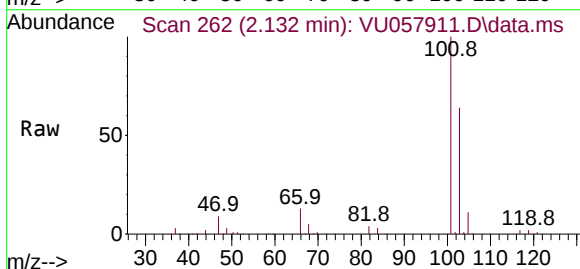
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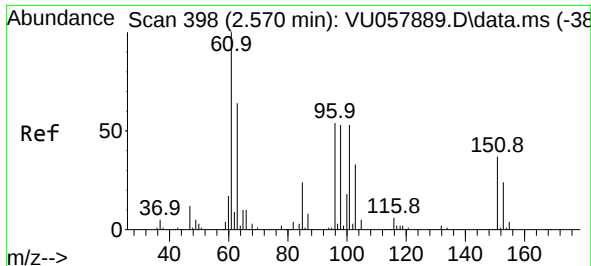
Tgt Ion:101 Resp: 174485

Ion Ratio Lower Upper

101 100

103 63.6 51.7 77.5

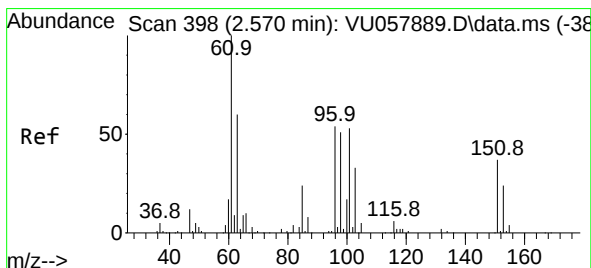
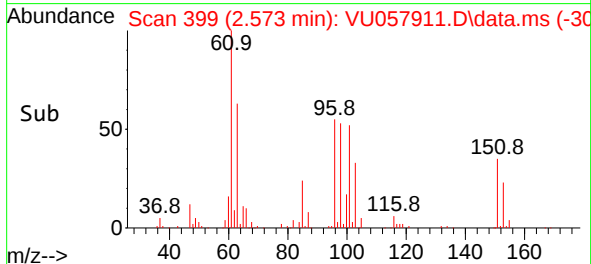
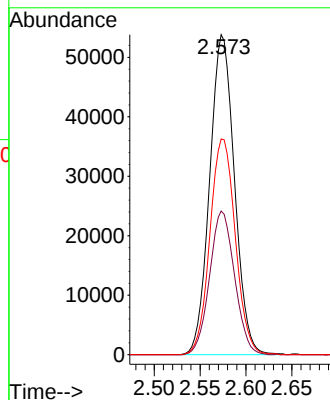
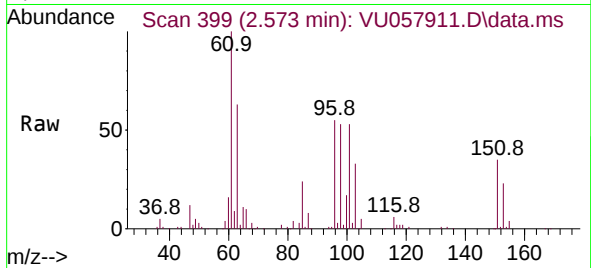




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 45.138 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.003 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

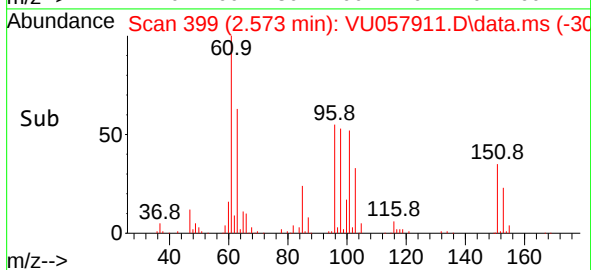
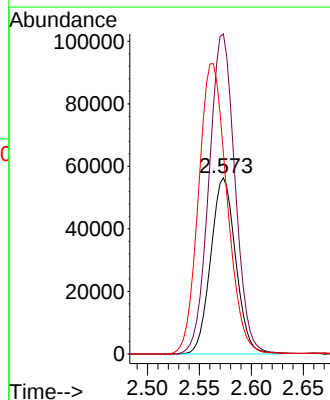
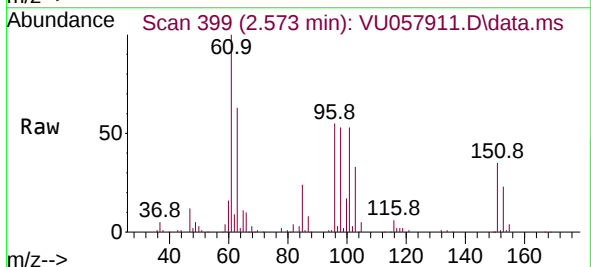
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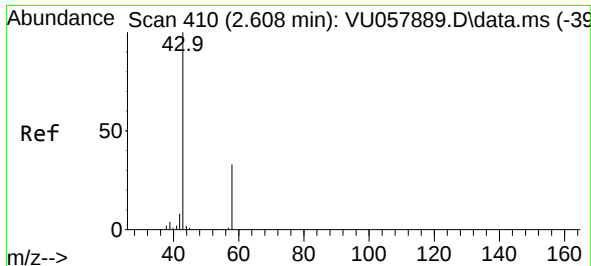
Tgt Ion:101 Resp: 101033
Ion Ratio Lower Upper
101 100
85 45.2 35.7 53.5
151 69.2 55.8 83.6



#12
1,1-Dichloroethene
Concen: 45.460 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.003 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

Tgt Ion: 96 Resp: 94116
Ion Ratio Lower Upper
96 100
61 181.6 126.8 235.6
63 114.1 86.5 160.7





#13

Acetone

Concen: 69.158 ug/L

RT: 2.608 min Scan# 410

Delta R.T. -0.000 min

Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

Instrument :

MSVOA_U

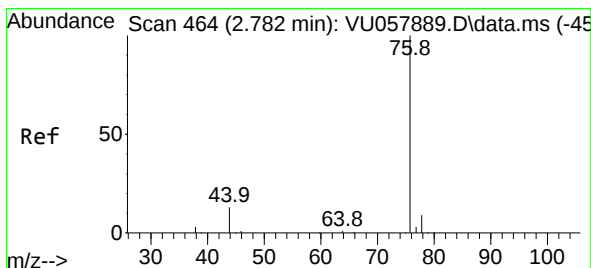
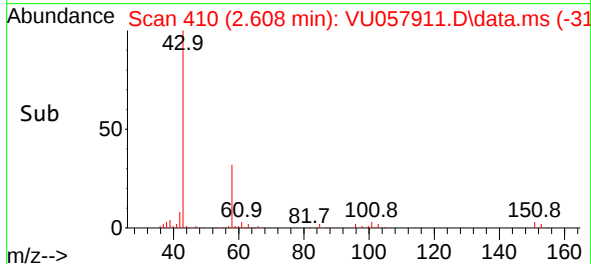
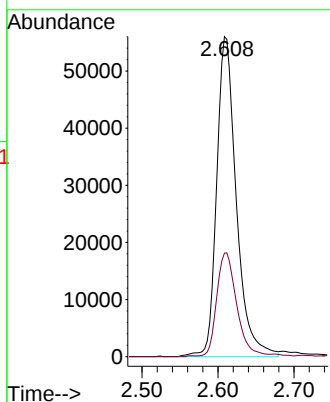
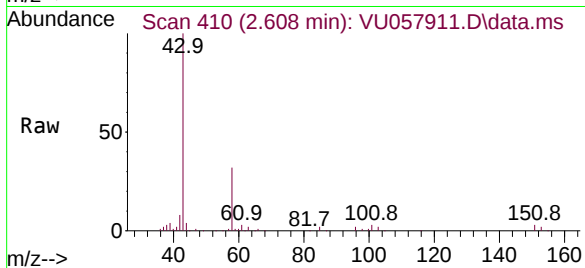
ClientSampleId :

Tgt Ion: 43 Resp: 100716

Ion Ratio Lower Upper

43 100

58 32.3 0.0 64.2



#14

Carbon disulfide

Concen: 44.400 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.003 min

Lab File: VU057911.D

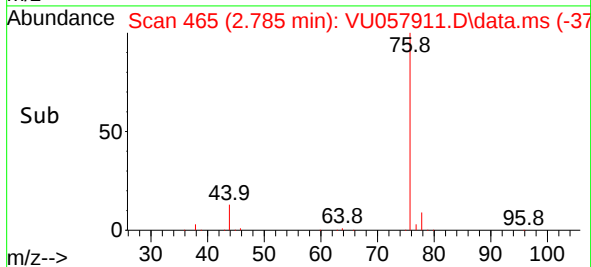
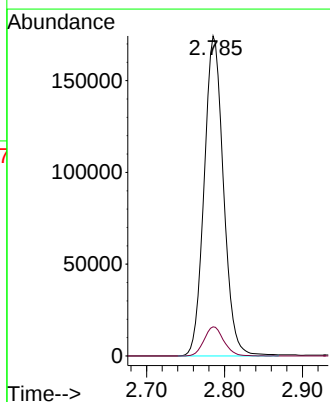
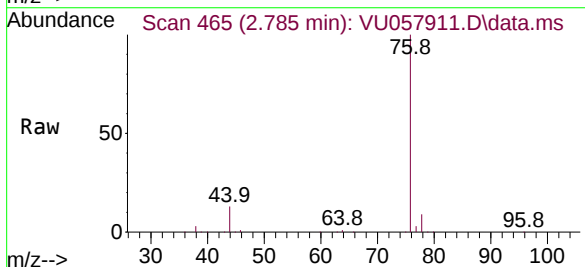
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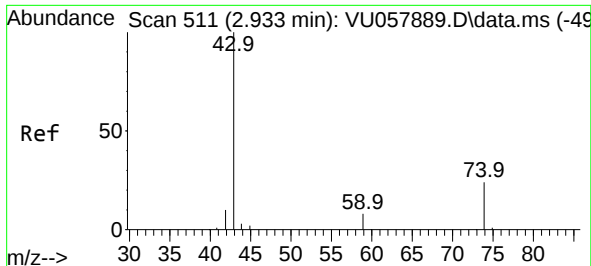
Tgt Ion: 76 Resp: 300826

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

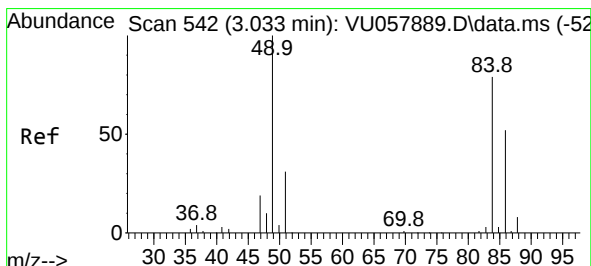
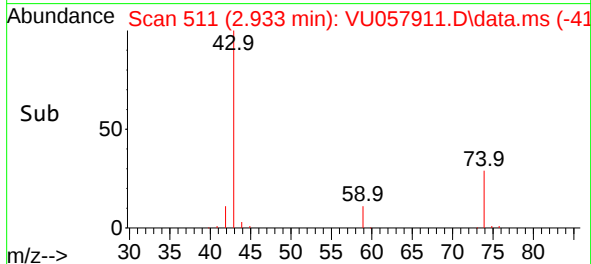
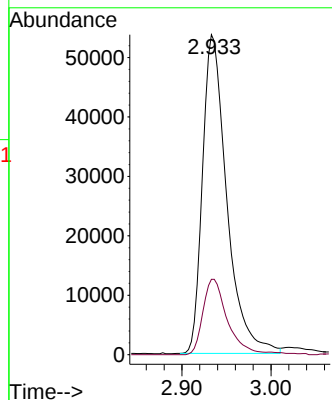
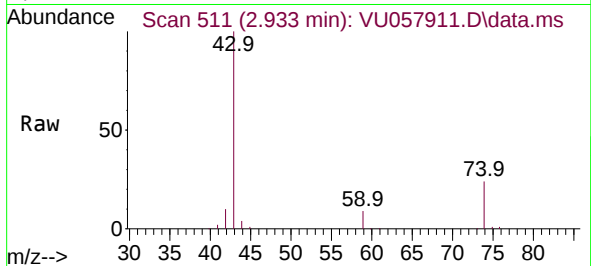




#15
Methyl Acetate
Concen: 42.869 ug/L
RT: 2.933 min Scan# 511
Delta R.T. -0.000 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

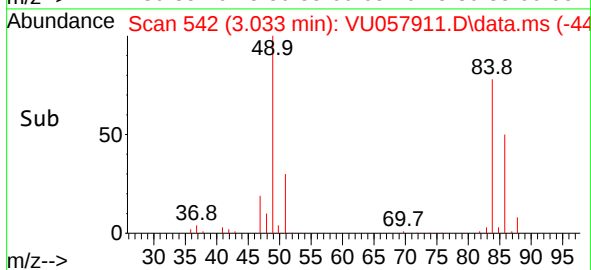
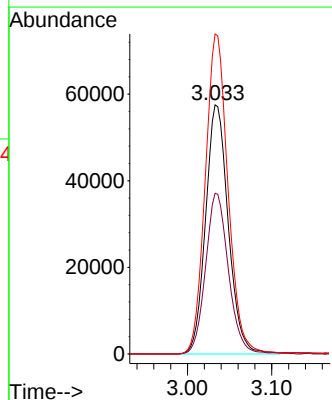
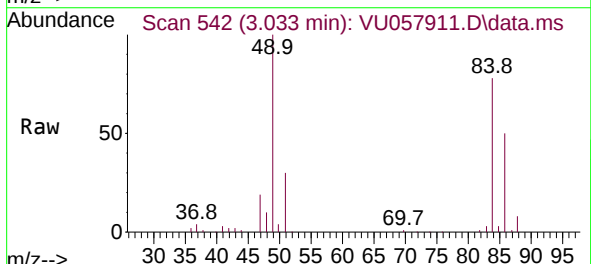
Instrument :
MSVOA_U
ClientSampleId :

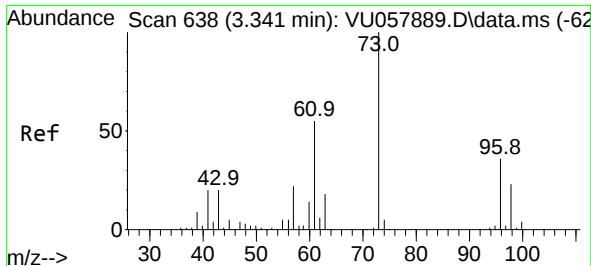
Tgt Ion: 43 Resp: 101638
Ion Ratio Lower Upper
43 100
74 23.6 18.6 27.8



#16
Methylene chloride
Concen: 39.977 ug/L
RT: 3.033 min Scan# 542
Delta R.T. -0.000 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

Tgt Ion: 84 Resp: 107875
Ion Ratio Lower Upper
84 100
86 64.5 45.1 83.7
49 128.5 89.7 166.5

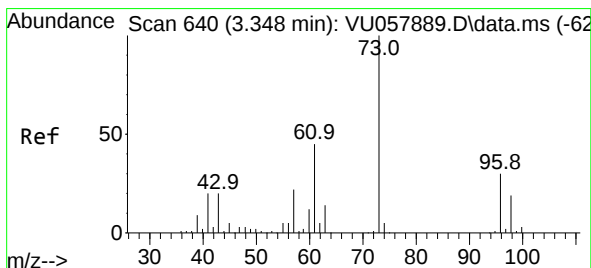
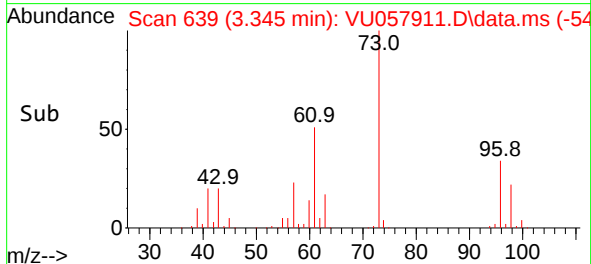
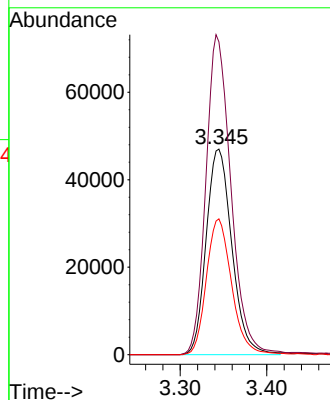
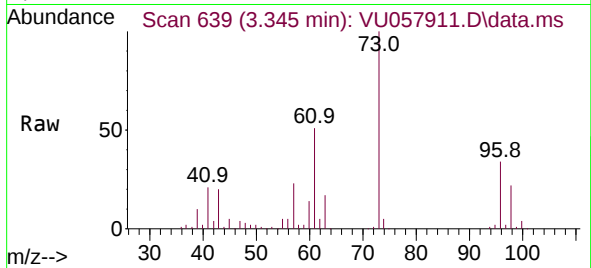




#17
trans-1,2-Dichloroethene
Concen: 45.205 ug/L
RT: 3.345 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

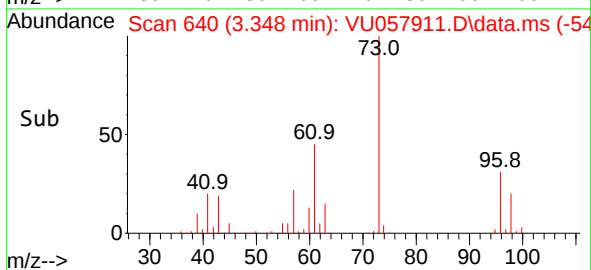
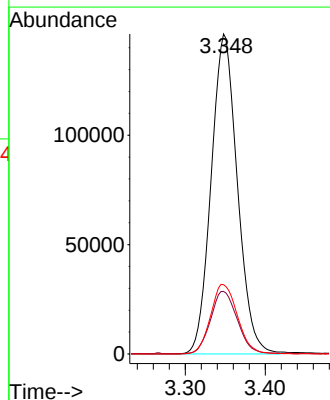
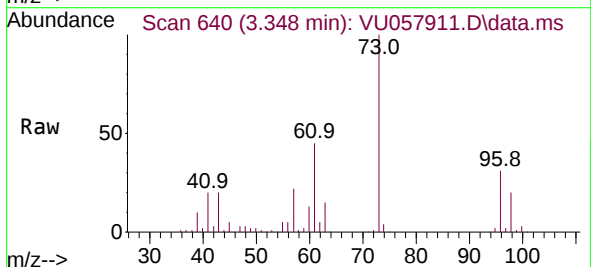
Instrument :
MSVOA_U
ClientSampleId :

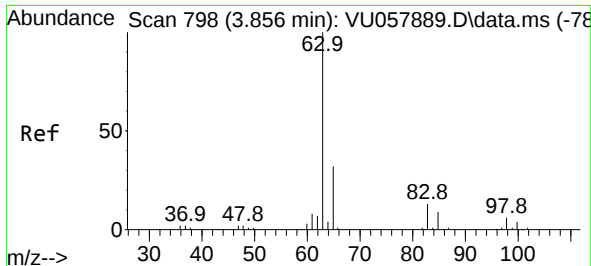
Tgt Ion: 96 Resp: 97094
Ion Ratio Lower Upper
96 100
61 152.1 106.3 197.3
98 66.1 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 44.502 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

Tgt Ion: 73 Resp: 332779
Ion Ratio Lower Upper
73 100
43 19.8 16.0 24.0
57 22.3 17.8 26.6





#19

1,1-Dichloroethane

Concen: 45.497 ug/L

RT: 3.856 min Scan# 798

Delta R.T. -0.000 min

Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

Instrument :

MSVOA_U

ClientSampleId :

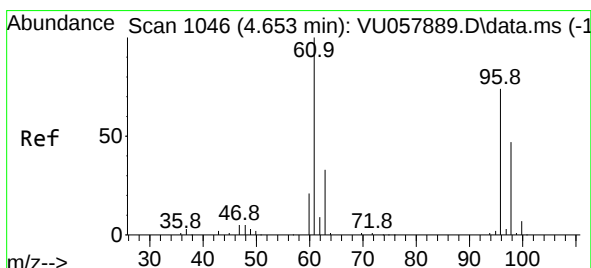
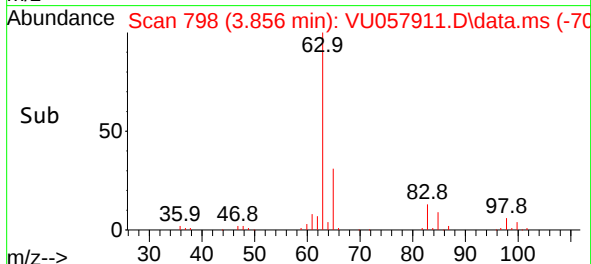
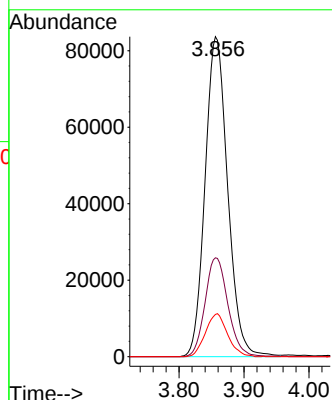
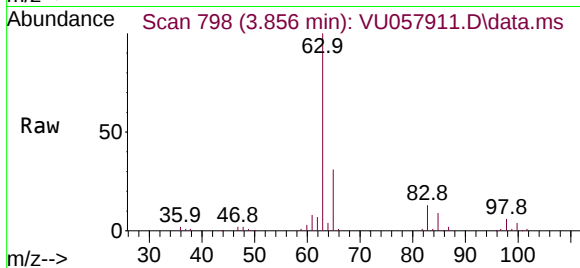
Tgt Ion: 63 Resp: 202602

Ion Ratio Lower Upper

63 100

65 30.9 21.7 40.3

83 13.2 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 44.830 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. 0.003 min

Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

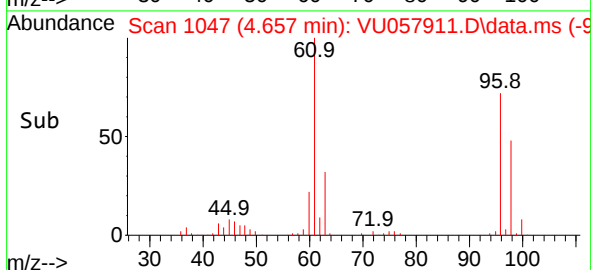
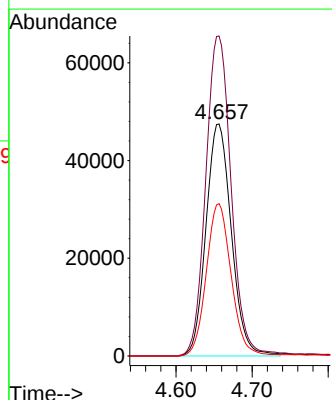
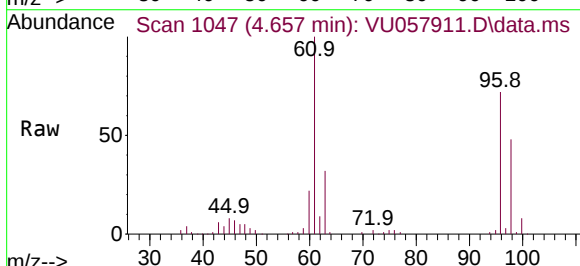
Tgt Ion: 96 Resp: 110460

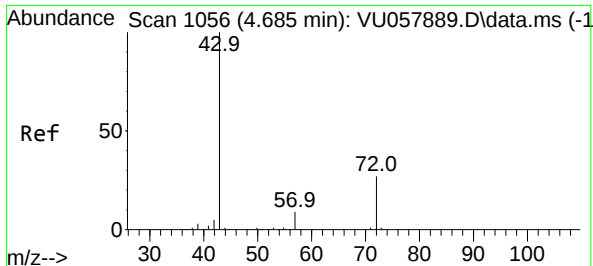
Ion Ratio Lower Upper

96 100

61 138.0 96.7 179.7

98 65.7 44.3 82.3

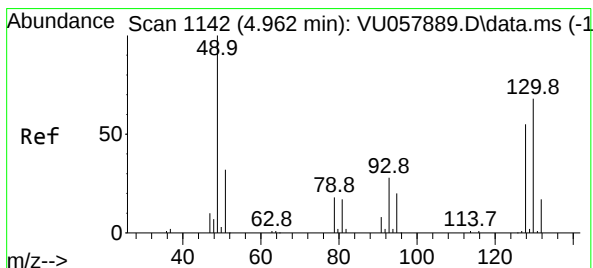
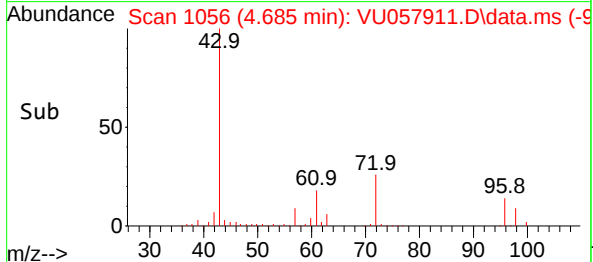
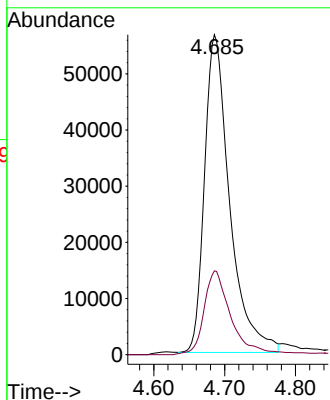
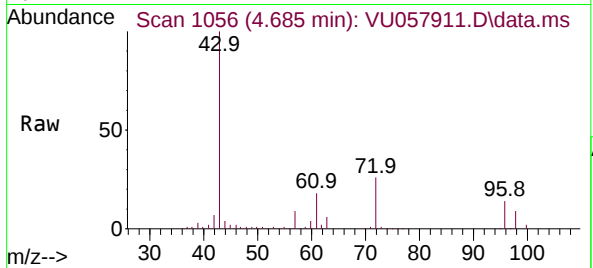




#22
2-Butanone
Concen: 79.119 ug/L
RT: 4.685 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

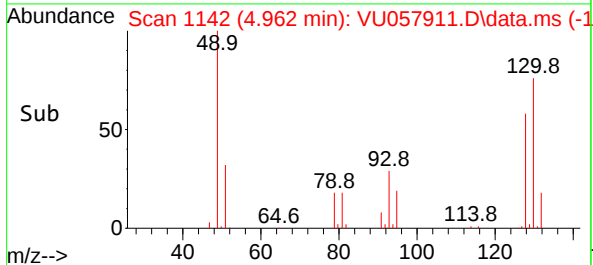
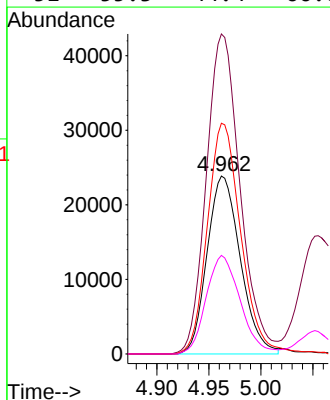
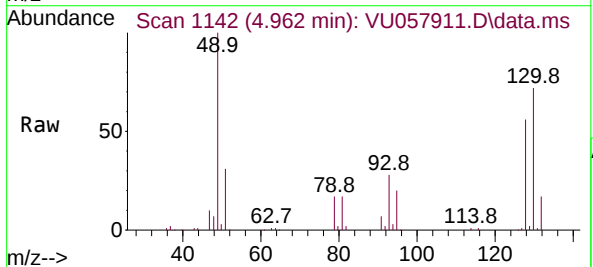
Instrument :
MSVOA_U
ClientSampleId :

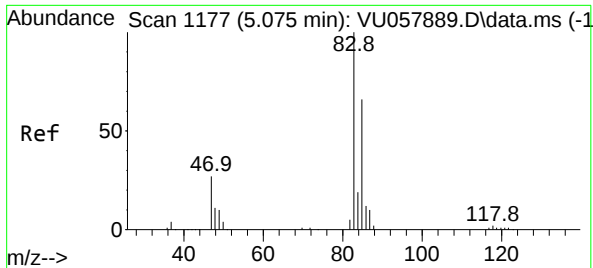
Tgt Ion: 43 Resp: 139596
Ion Ratio Lower Upper
43 100
72 28.0 13.8 41.3



#23
Bromochloromethane
Concen: 44.397 ug/L
RT: 4.962 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

Tgt Ion:128 Resp: 53151
Ion Ratio Lower Upper
128 100
49 179.8 124.0 230.4
130 129.7 87.8 163.0
51 55.3 44.4 66.6

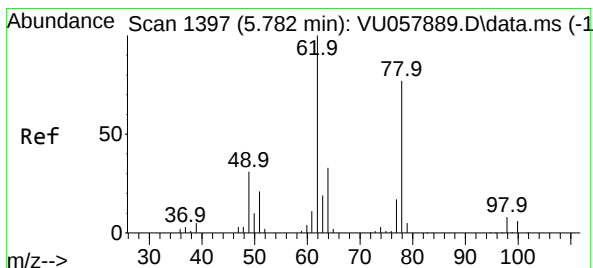
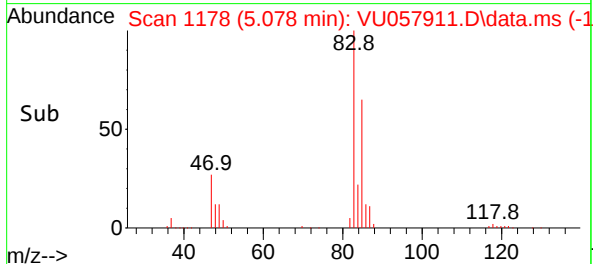
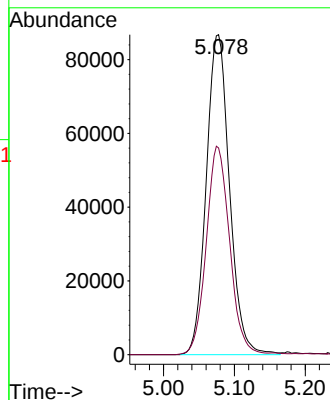
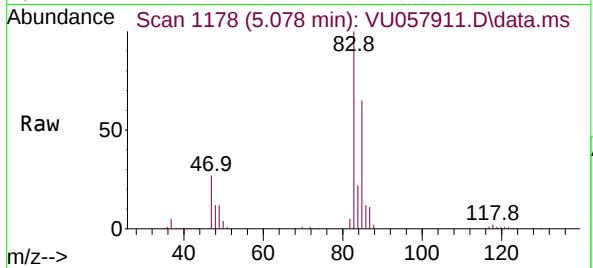




#25
Chloroform
Concen: 44.995 ug/L
RT: 5.078 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

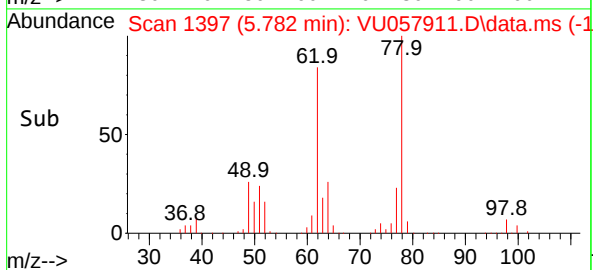
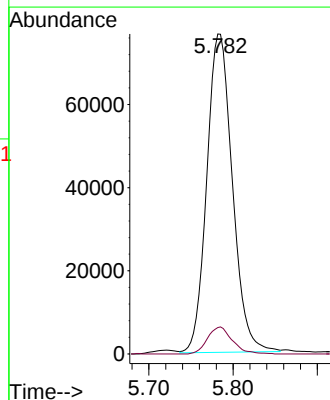
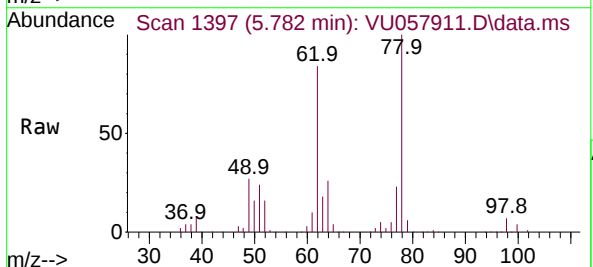
Instrument :
MSVOA_U
ClientSampleId :

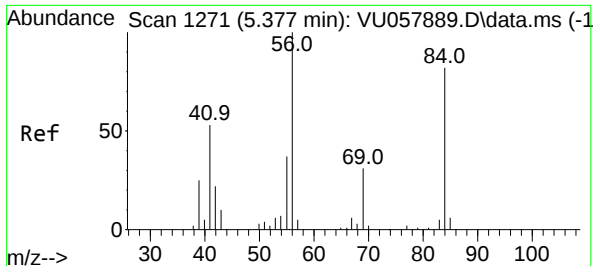
Tgt Ion: 83 Resp: 197834
Ion Ratio Lower Upper
83 100
85 64.6 45.6 84.6



#27
1,2-Dichloroethane
Concen: 44.294 ug/L
RT: 5.782 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

Tgt Ion: 62 Resp: 162049
Ion Ratio Lower Upper
62 100
98 8.7 7.1 10.7





#29

Cyclohexane

Concen: 45.067 ug/L

RT: 5.380 min Scan# 1271

Delta R.T. 0.003 min

Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

Instrument :

MSVOA_U

ClientSampleId :

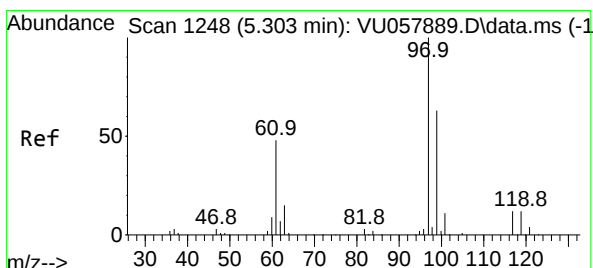
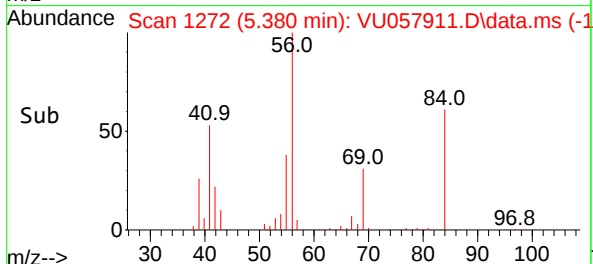
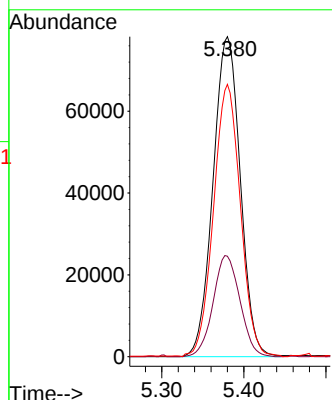
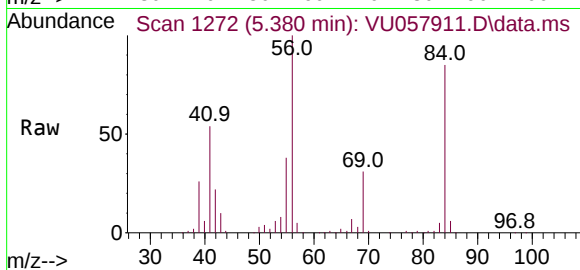
Tgt Ion: 56 Resp: 180959

Ion Ratio Lower Upper

56 100

69 31.1 24.6 36.8

84 83.8 66.9 100.3



#30

1,1,1-Trichloroethane

Concen: 46.328 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. 0.003 min

Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

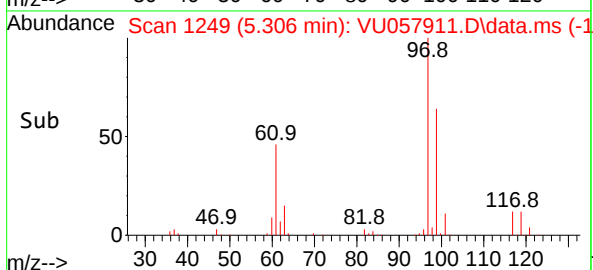
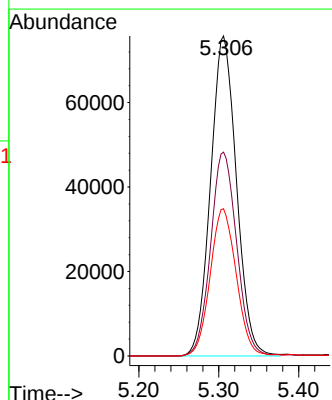
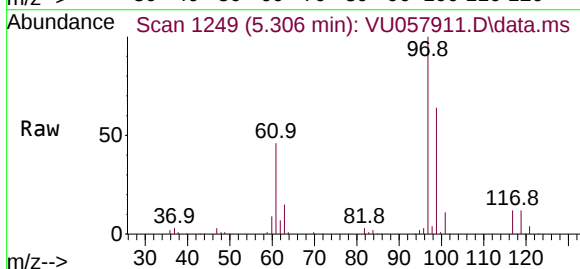
Tgt Ion: 97 Resp: 170326

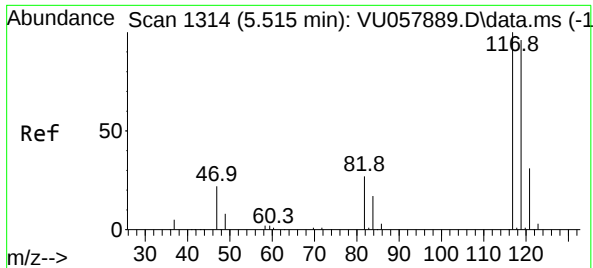
Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

61 46.4 36.8 55.2

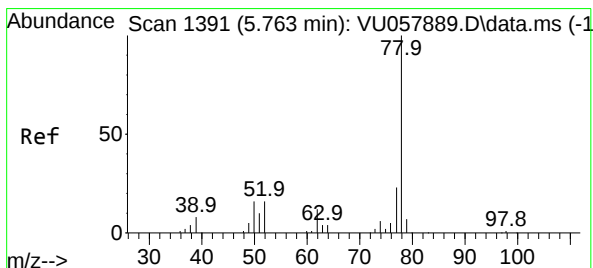
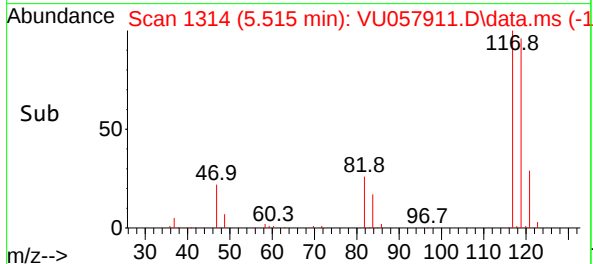
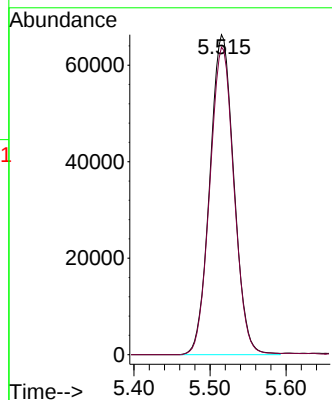
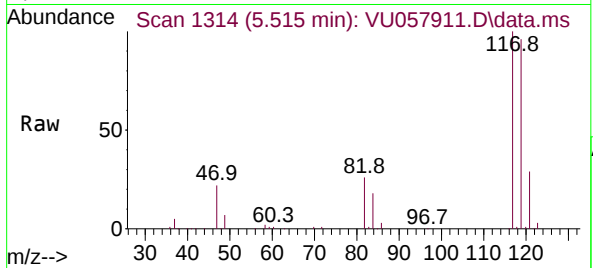




#31
Carbon tetrachloride
Concen: 46.272 ug/L
RT: 5.515 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

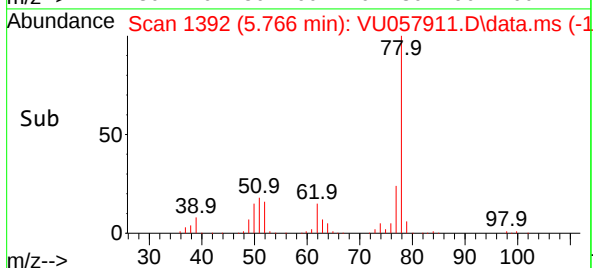
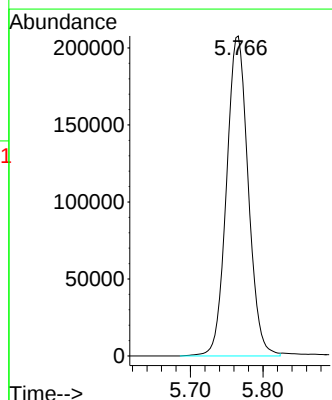
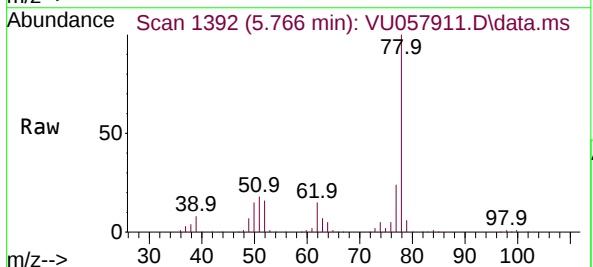
Instrument :
MSVOA_U
ClientSampleId :

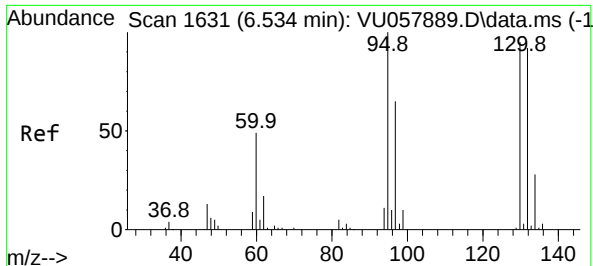
Tgt Ion:117 Resp: 146091
Ion Ratio Lower Upper
117 100
119 96.5 75.9 113.9



#33
Benzene
Concen: 45.304 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

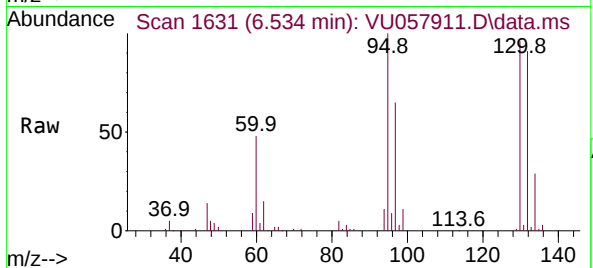
Tgt Ion: 78 Resp: 431098



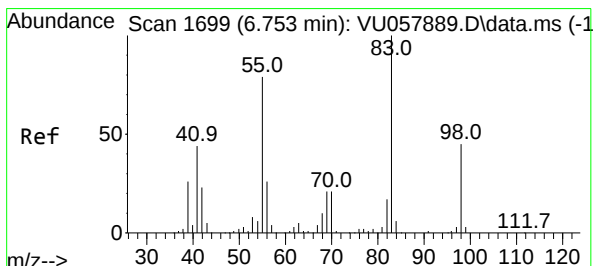
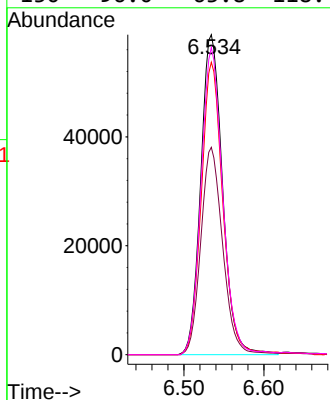
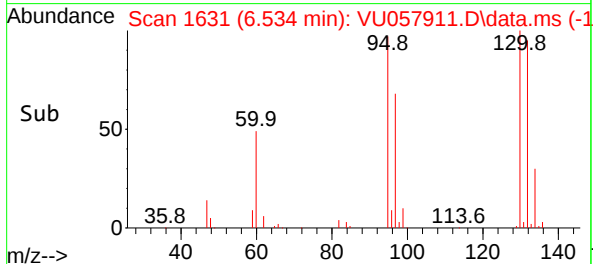


#34
Trichloroethene
Concen: 45.640 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

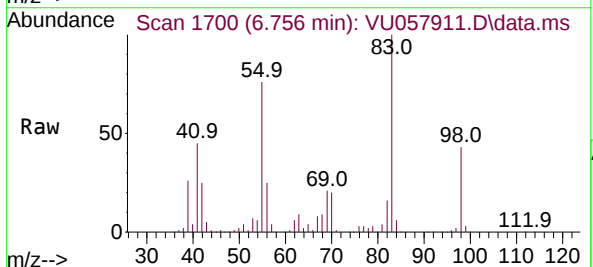
Instrument :
MSVOA_U
ClientSampleId :



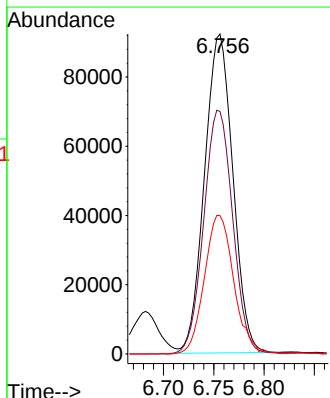
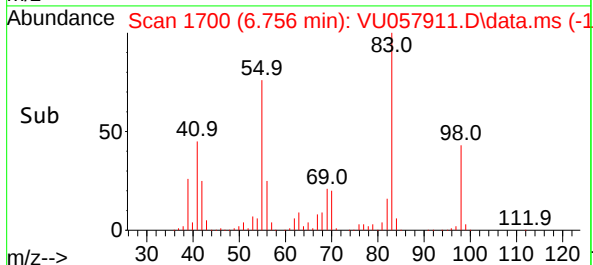
Tgt Ion: 95 Resp: 111638
Ion Ratio Lower Upper
95 100
97 64.8 44.2 82.2
132 91.4 61.4 114.0
130 96.0 63.8 118.4

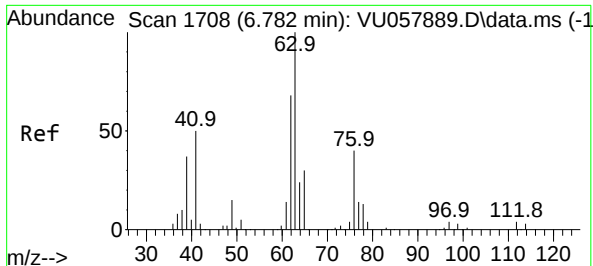


#35
Methylcyclohexane
Concen: 45.464 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.003 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43



Tgt Ion: 83 Resp: 180680
Ion Ratio Lower Upper
83 100
55 78.2 62.7 94.1
98 44.7 36.3 54.5

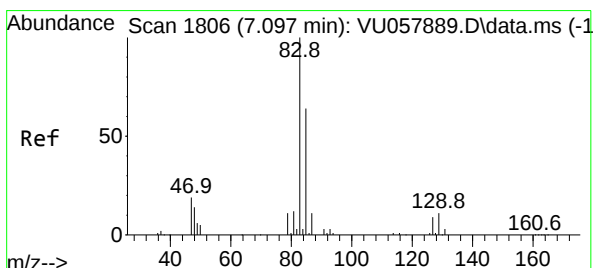
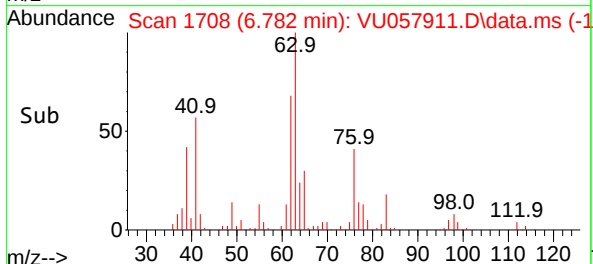
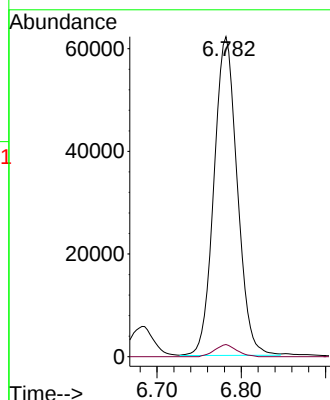
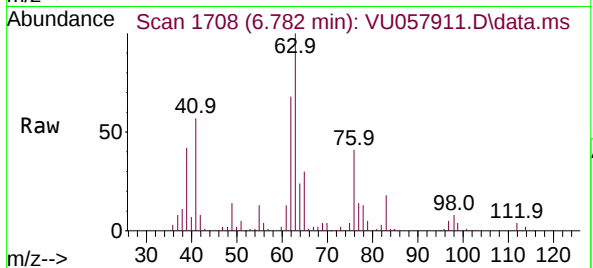




#37
1,2-Dichloropropane
Concen: 44.423 ug/L
RT: 6.782 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

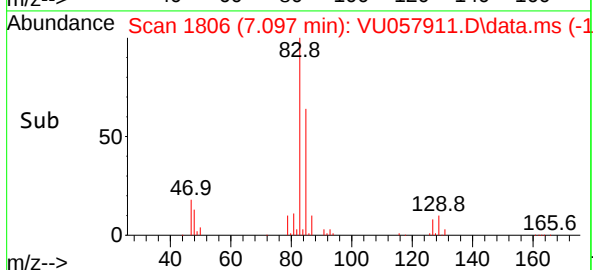
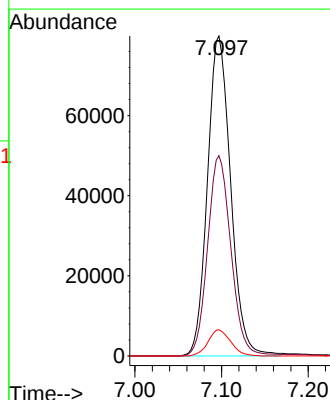
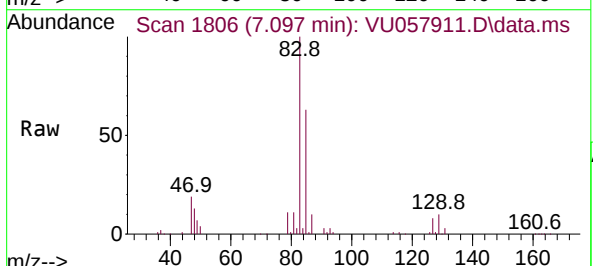
Instrument :
MSVOA_U
ClientSampleId :

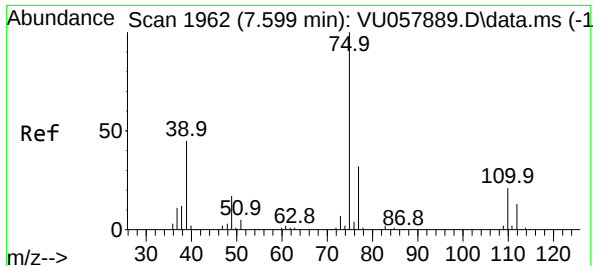
Tgt Ion: 63 Resp: 119278
Ion Ratio Lower Upper
63 100
112 3.6 2.9 4.3



#38
Bromodichloromethane
Concen: 46.147 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

Tgt Ion: 83 Resp: 148792
Ion Ratio Lower Upper
83 100
85 62.6 45.4 84.4
127 9.1 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 44.212 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

Instrument :

MSVOA_U

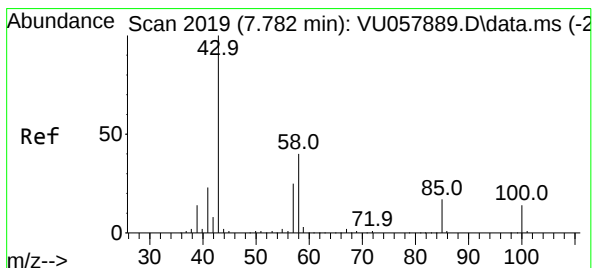
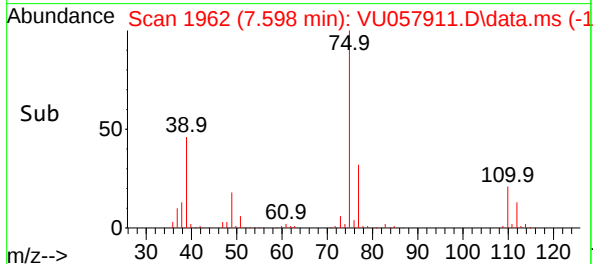
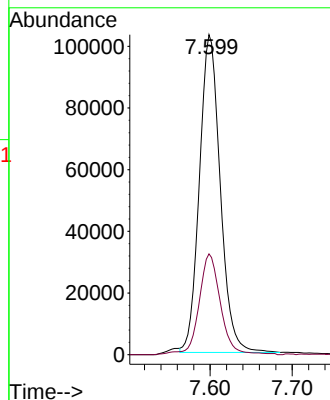
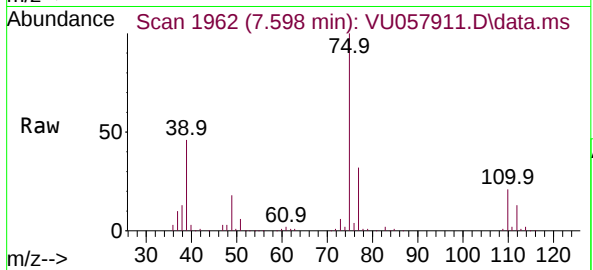
ClientSampleId :

Tgt Ion: 75 Resp: 181415

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 86.105 ug/L

RT: 7.779 min Scan# 2018

Delta R.T. -0.003 min

Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

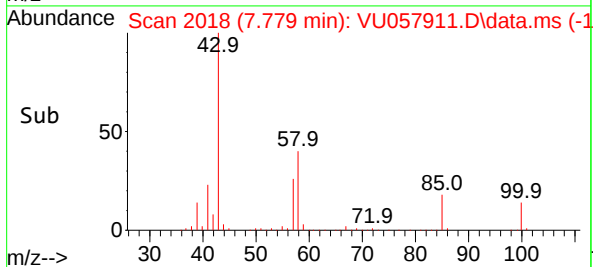
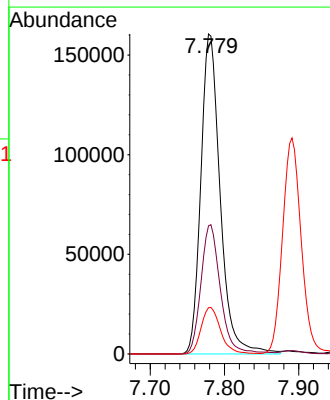
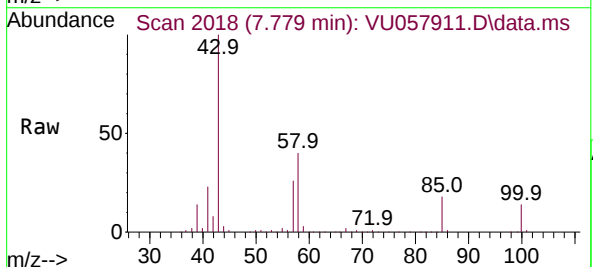
Tgt Ion: 43 Resp: 291025

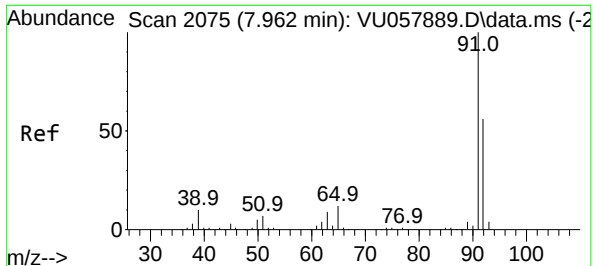
Ion Ratio Lower Upper

43 100

58 40.0 32.3 48.5

100 14.6 11.4 17.0





#42

Toluene

Concen: 46.253 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

Instrument :

MSVOA_U

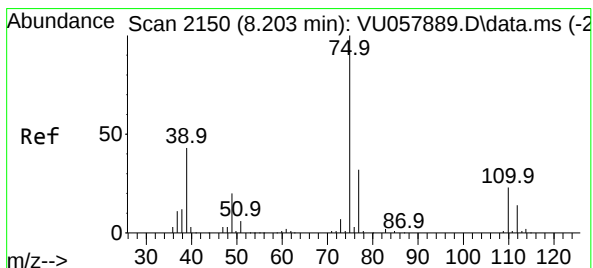
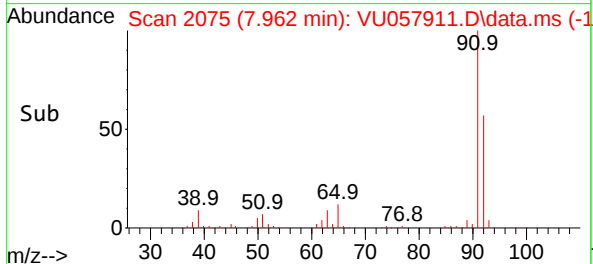
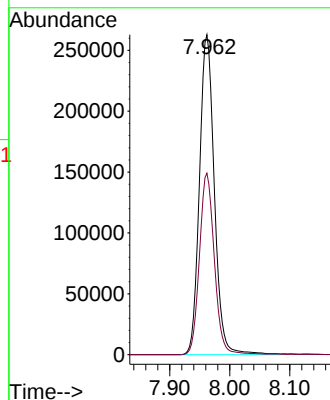
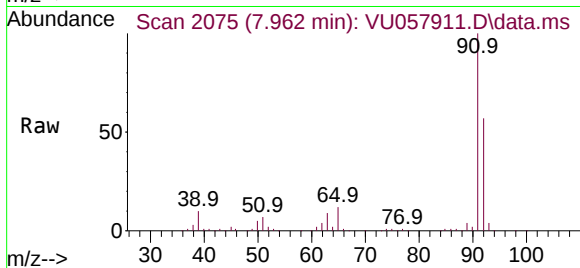
ClientSampleId :

Tgt Ion: 91 Resp: 455508

Ion Ratio Lower Upper

91 100

92 56.7 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 45.383 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU057911.D

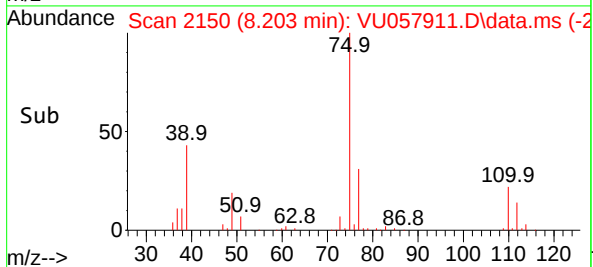
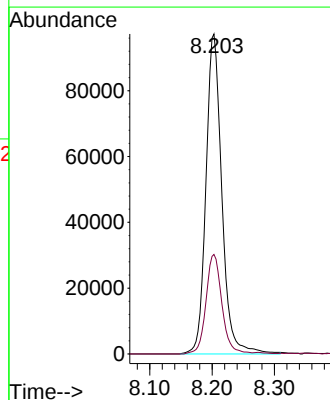
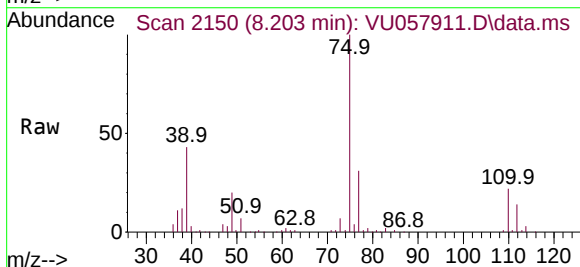
Acq: 20 Feb 2024 18:43

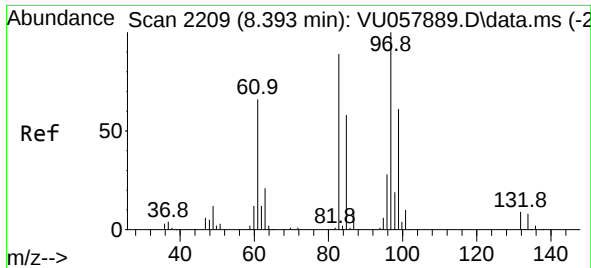
Tgt Ion: 75 Resp: 172814

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4



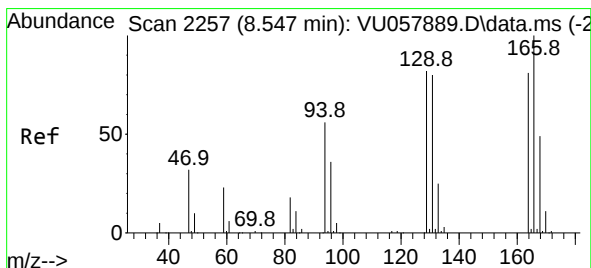
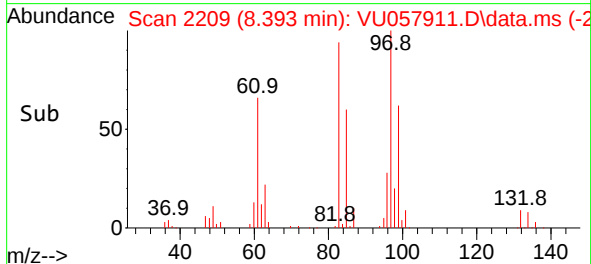
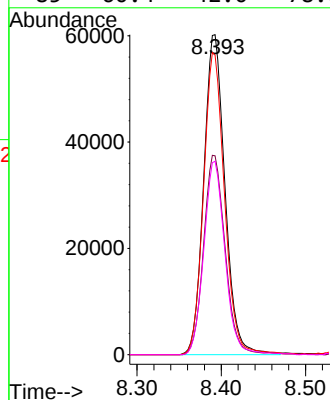
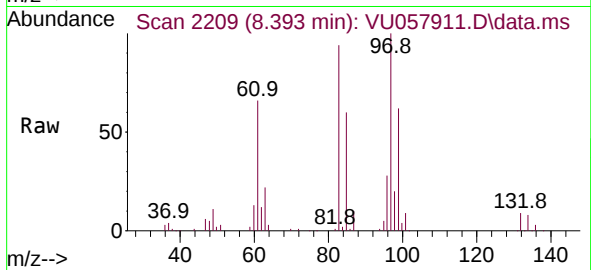


#45
1,1,2-Trichloroethane
Concen: 44.299 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 105687

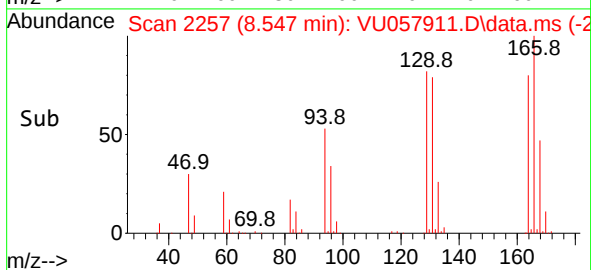
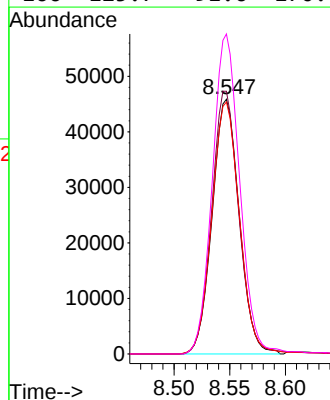
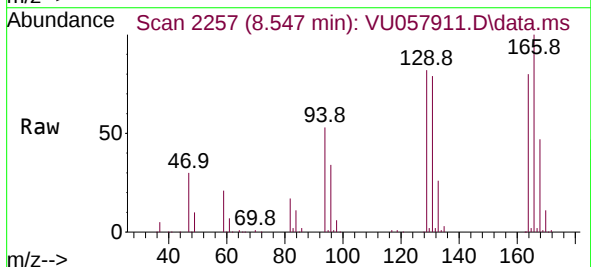
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.0	80.0
83	93.6	65.0	120.6
85	60.4	42.0	78.0

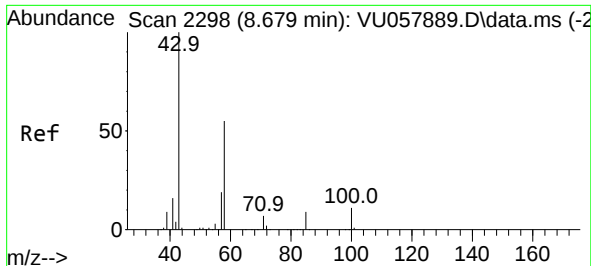


#46
Tetrachloroethene
Concen: 46.139 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

Tgt Ion: 164 Resp: 77669

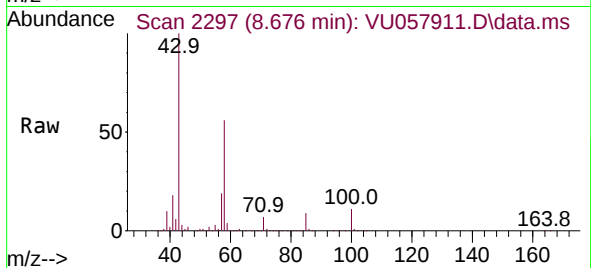
Ion	Ratio	Lower	Upper
164	100		
129	105.6	74.1	137.7
131	99.0	72.0	133.6
166	125.7	91.6	170.0



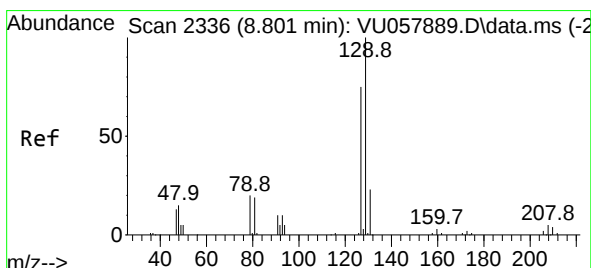
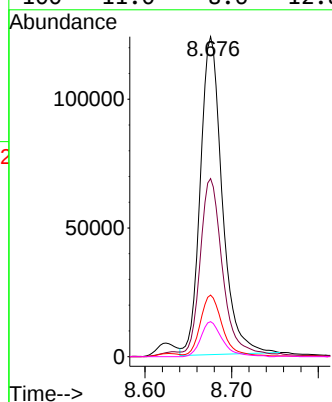
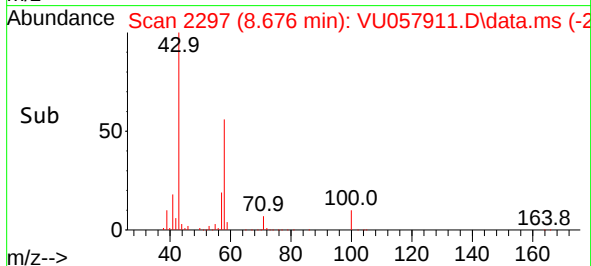


#48
2-Hexanone
Concen: 78.741 ug/L
RT: 8.676 min Scan# 217225
Delta R.T. -0.003 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

Instrument :
MSVOA_U
ClientSampleId :

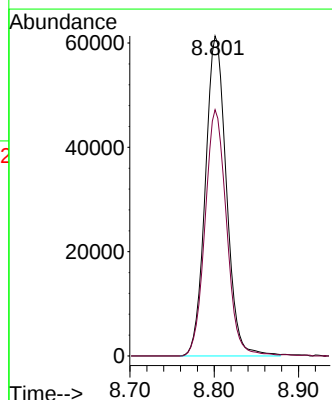
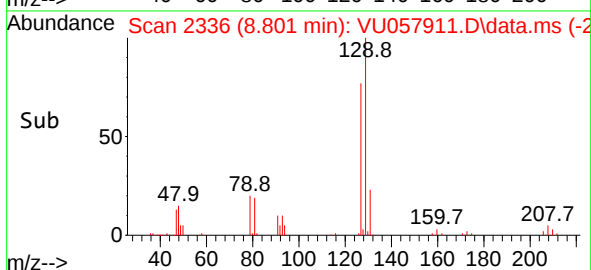
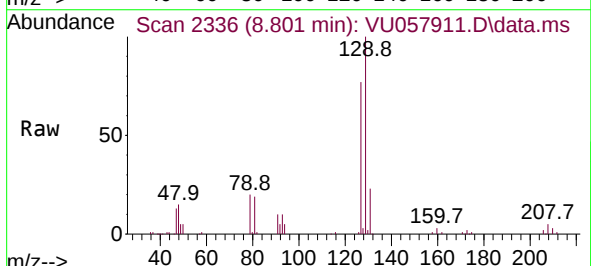


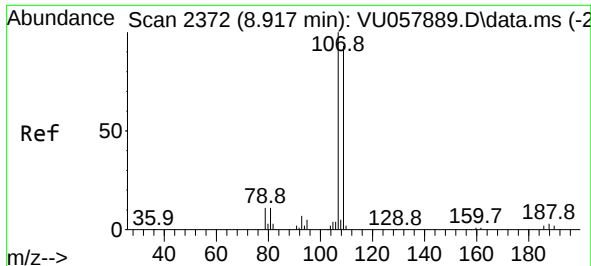
Tgt Ion: 43 Resp: 217225
Ion Ratio Lower Upper
43 100
58 57.3 43.8 65.8
57 19.2 15.5 23.3
100 11.0 8.6 12.8



#49
Dibromochloromethane
Concen: 44.919 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

Tgt Ion:129 Resp: 106725
Ion Ratio Lower Upper
129 100
127 79.5 53.3 99.1





#50

1,2-Dibromoethane

Concen: 45.093 ug/L

RT: 8.914 min Scan# 21

Delta R.T. -0.003 min

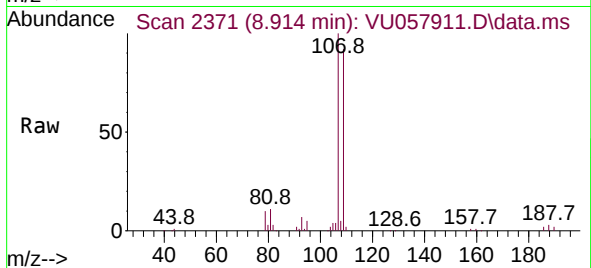
Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

Instrument :

MSVOA_U

ClientSampleId :



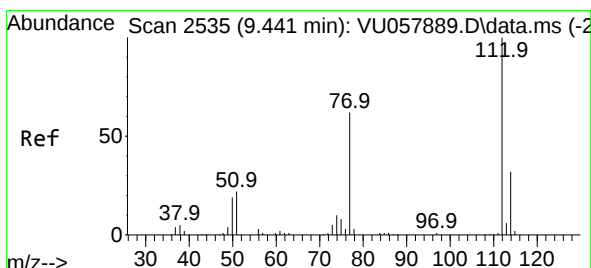
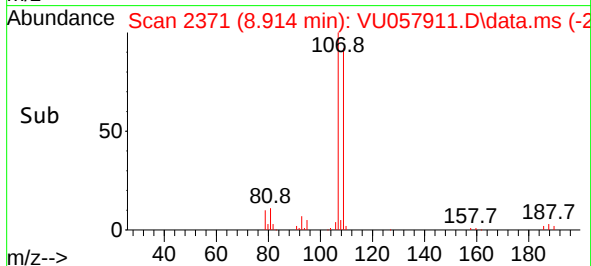
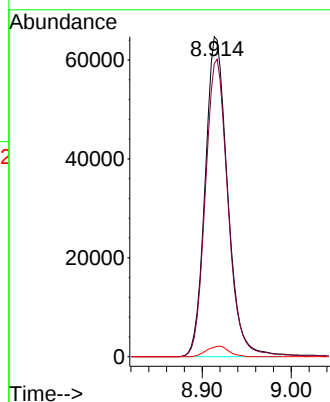
Tgt Ion:107 Resp: 113273

Ion Ratio Lower Upper

107 100

109 91.6 66.1 122.8

188 2.9 2.6 3.8



#51

Chlorobenzene

Concen: 44.596 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

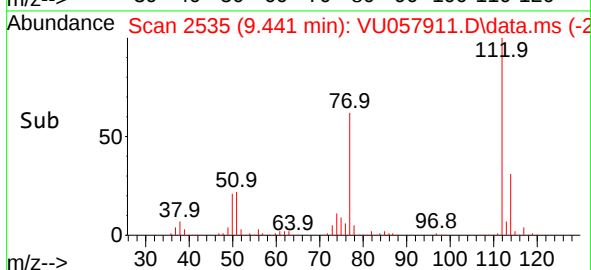
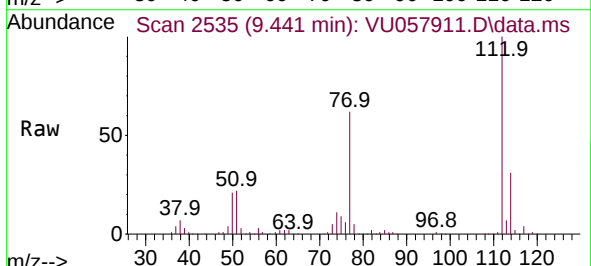
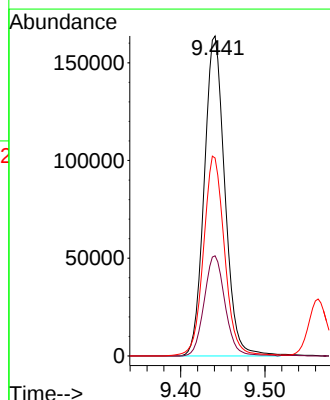
Tgt Ion:112 Resp: 279279

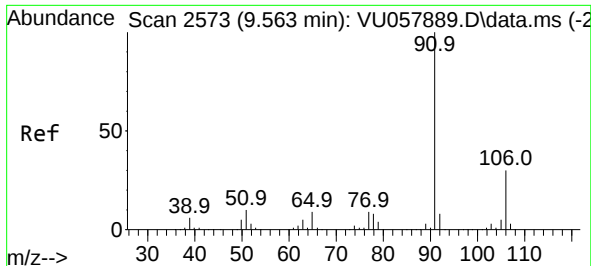
Ion Ratio Lower Upper

112 100

114 31.3 22.7 42.1

77 61.9 51.8 77.8

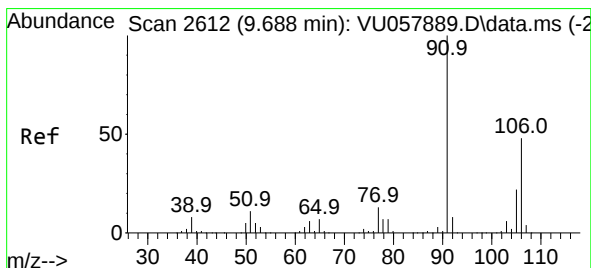
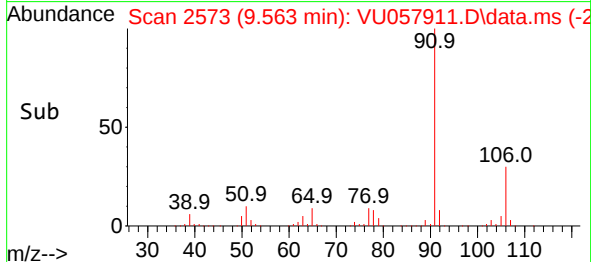
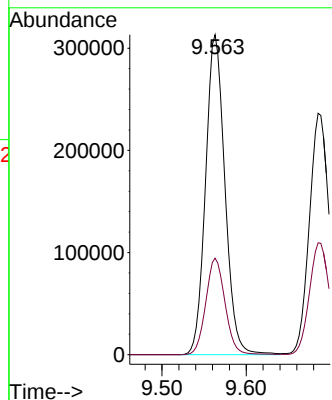
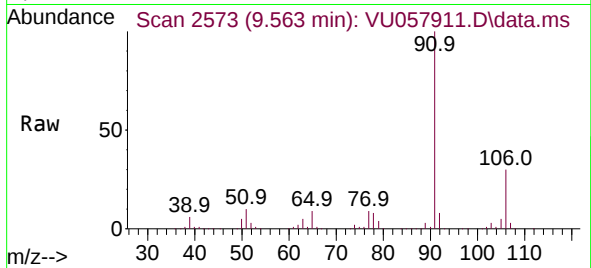




#52
Ethylbenzene
Concen: 45.385 ug/L
RT: 9.563 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

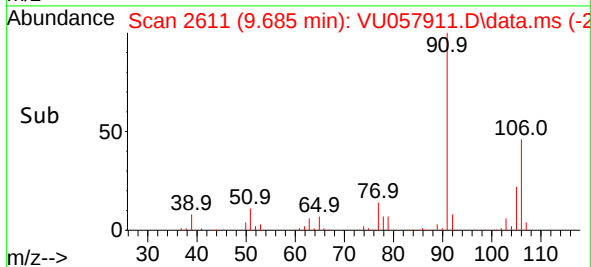
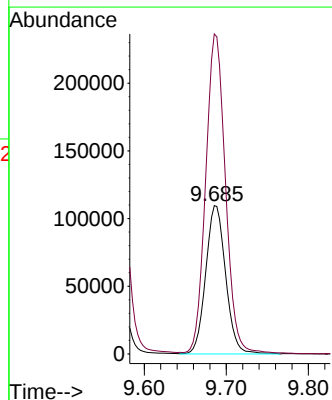
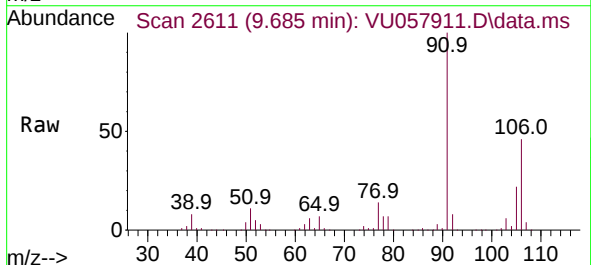
Instrument :
MSVOA_U
ClientSampleId :

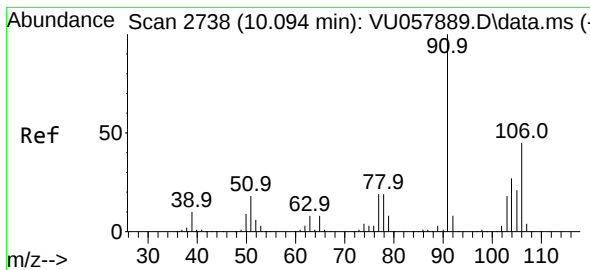
Tgt Ion: 91 Resp: 501167
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.1



#53
m,p-Xylene
Concen: 46.037 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

Tgt Ion:106 Resp: 184879
Ion Ratio Lower Upper
106 100
91 215.8 150.2 279.0





#54

o-Xylene

Concen: 45.593 ug/L

RT: 10.094 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

Instrument :

MSVOA_U

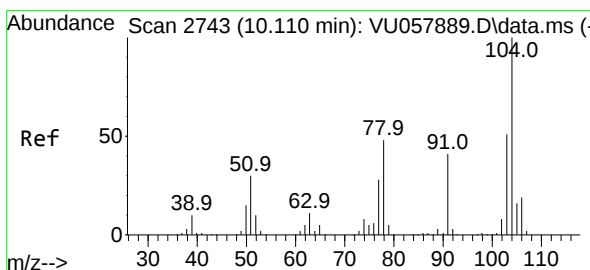
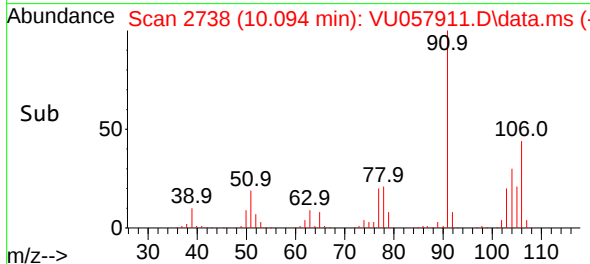
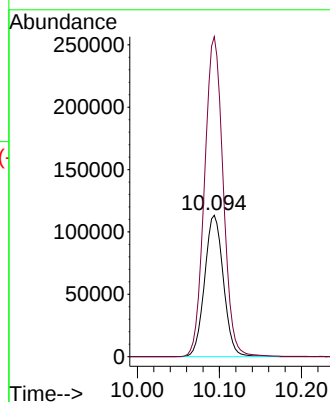
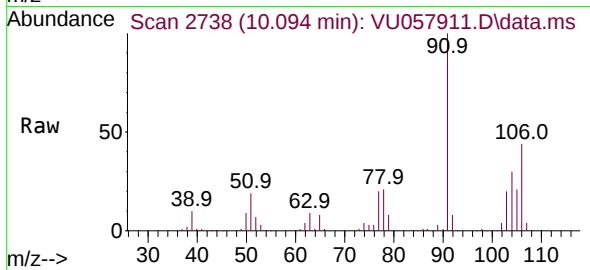
ClientSampleId :

Tgt Ion:106 Resp: 180908

Ion Ratio Lower Upper

106 100

91 226.2 161.3 299.5



#55

Styrene

Concen: 44.638 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. -0.003 min

Lab File: VU057911.D

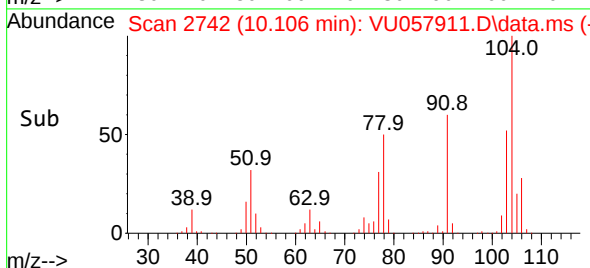
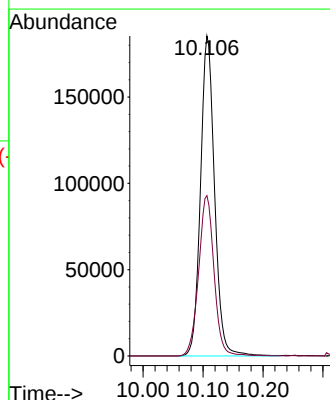
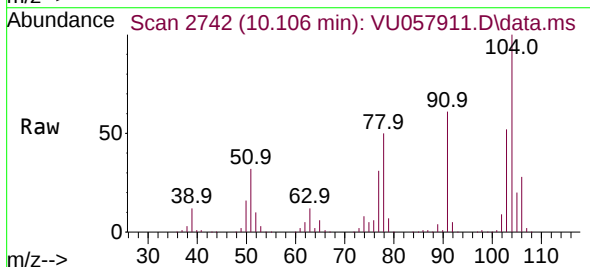
Acq: 20 Feb 2024 18:43

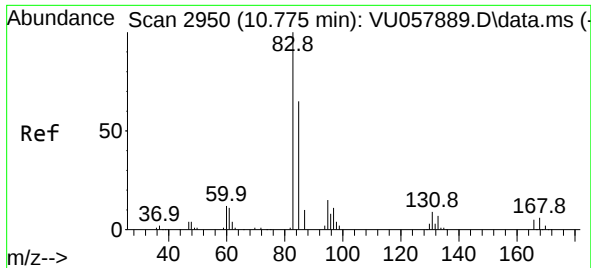
Tgt Ion:104 Resp: 303728

Ion Ratio Lower Upper

104 100

78 50.1 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 41.708 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

Instrument :

MSVOA_U

ClientSampleId :

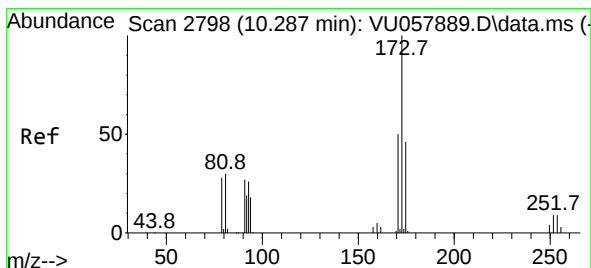
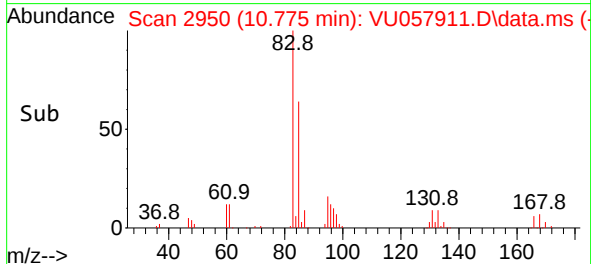
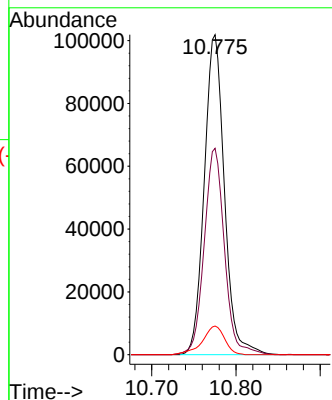
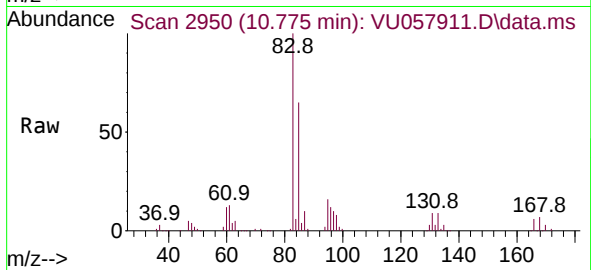
Tgt Ion: 83 Resp: 169510

Ion Ratio Lower Upper

83 100

85 64.5 45.2 84.0

131 8.9 7.8 11.6



#59

Bromoform

Concen: 44.974 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

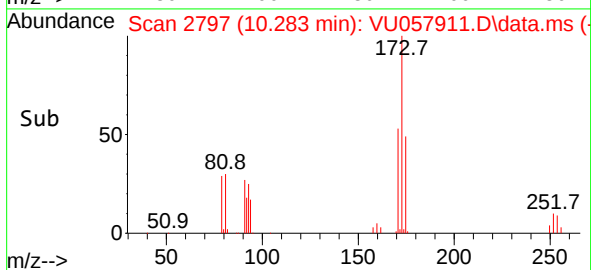
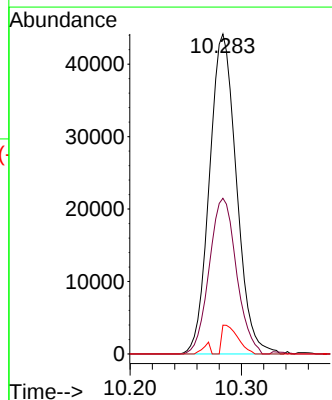
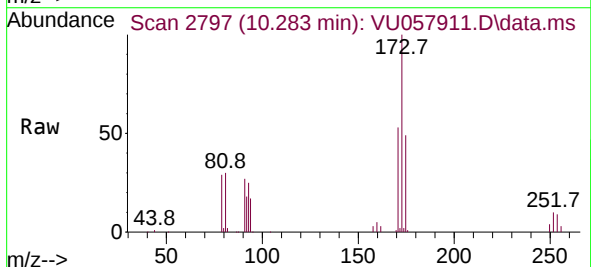
Tgt Ion:173 Resp: 74365

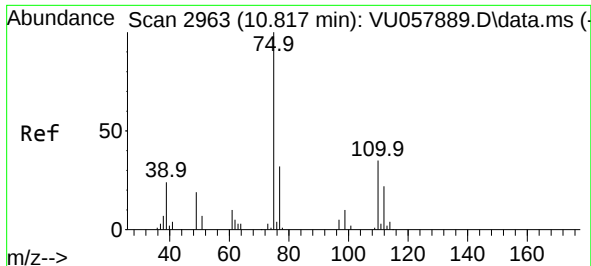
Ion Ratio Lower Upper

173 100

175 49.0 38.8 58.2

254 5.4 1.0 1.6#

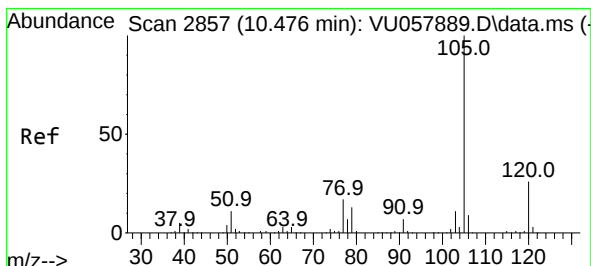
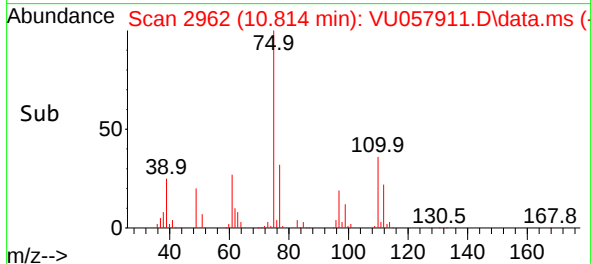
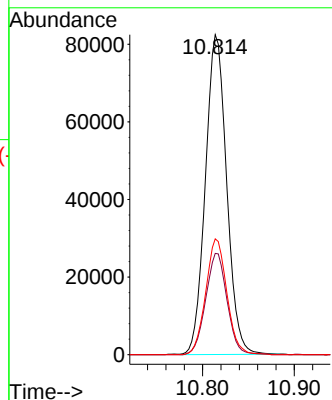
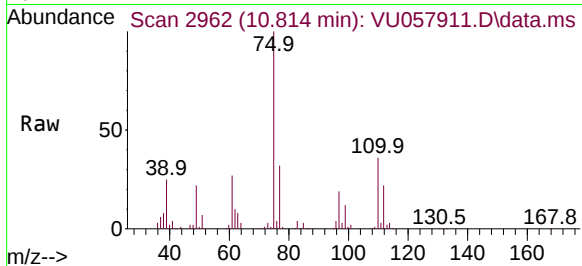




#60
1,2,3-Trichloropropane
Concen: 42.607 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. -0.003 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

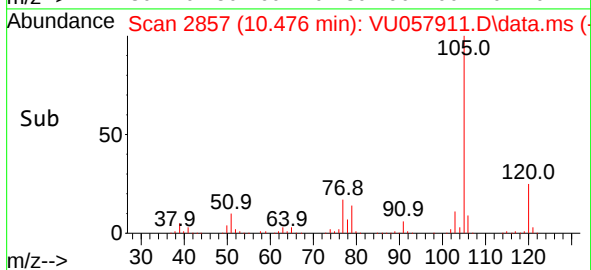
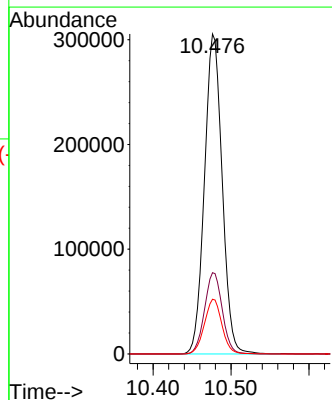
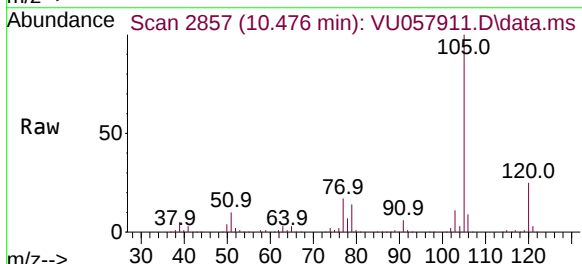
Instrument :
MSVOA_U
ClientSampleId :

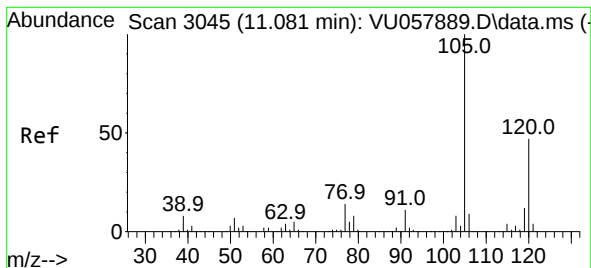
Tgt Ion: 75 Resp: 132964
Ion Ratio Lower Upper
75 100
77 31.8 25.9 38.9
110 35.9 28.3 42.5



#61
Isopropylbenzene
Concen: 45.788 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.000 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

Tgt Ion: 105 Resp: 481998
Ion Ratio Lower Upper
105 100
120 25.5 20.5 30.7
77 16.9 13.5 20.3





#62

1,3,5-Trimethylbenzene

Concen: 44.402 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

Instrument :

MSVOA_U

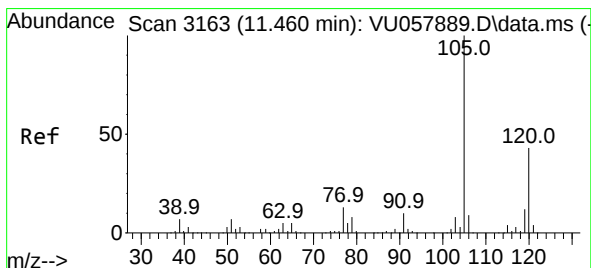
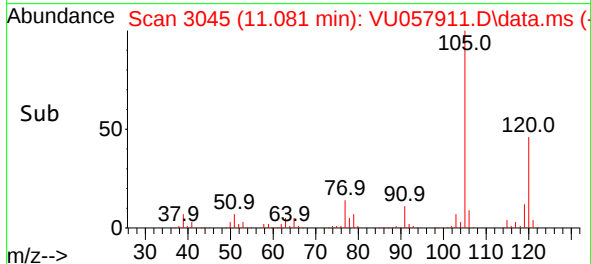
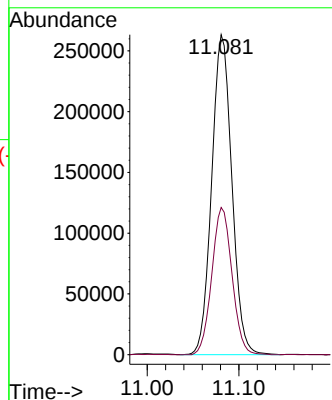
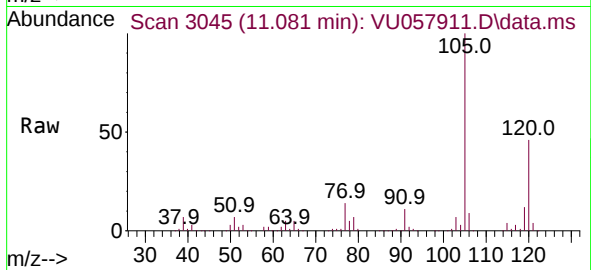
ClientSampleId :

Tgt Ion:105 Resp: 402699

Ion Ratio Lower Upper

105 100

120 46.0 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 43.895 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU057911.D

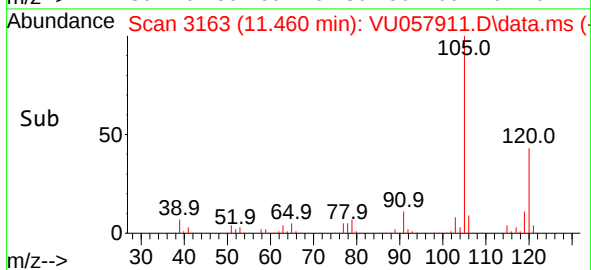
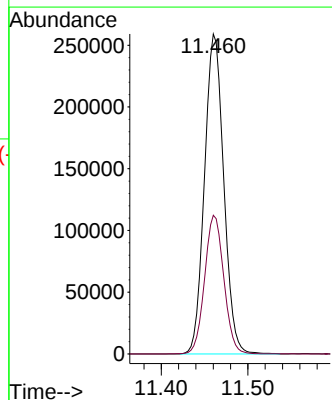
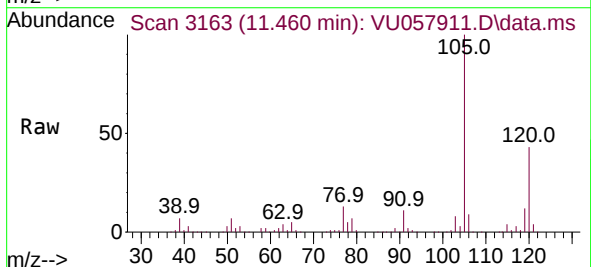
Acq: 20 Feb 2024 18:43

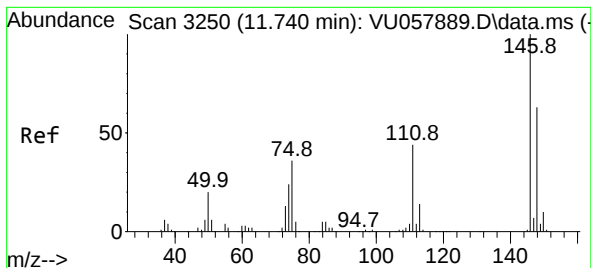
Tgt Ion:105 Resp: 400024

Ion Ratio Lower Upper

105 100

120 43.2 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 43.257 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. -0.000 min

Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

Instrument :

MSVOA_U

ClientSampleId :

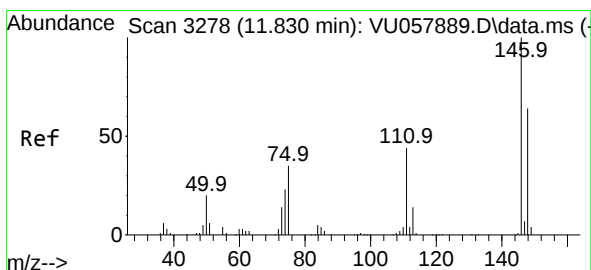
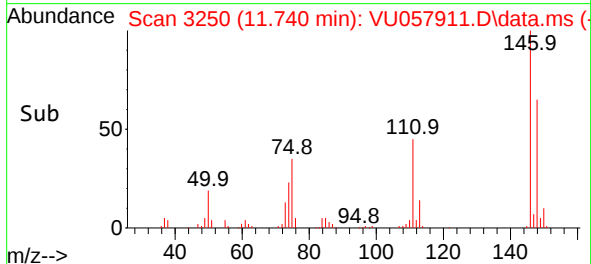
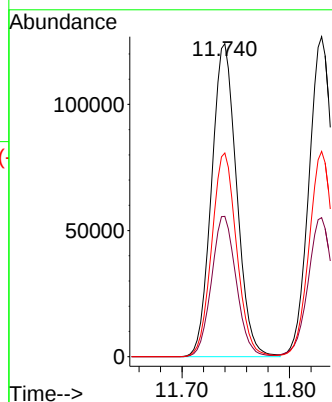
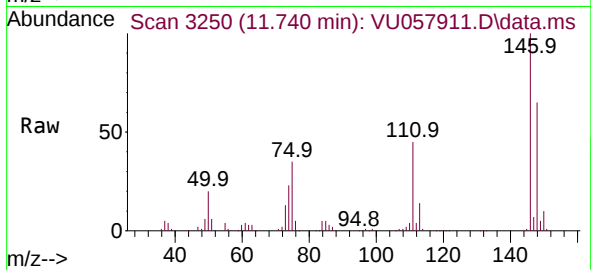
Tgt Ion:146 Resp: 201335

Ion Ratio Lower Upper

146 100

111 44.8 31.6 58.6

148 65.1 45.1 83.9



#65

1,4-Dichlorobenzene

Concen: 43.399 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

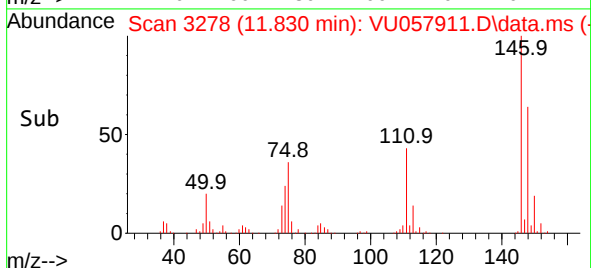
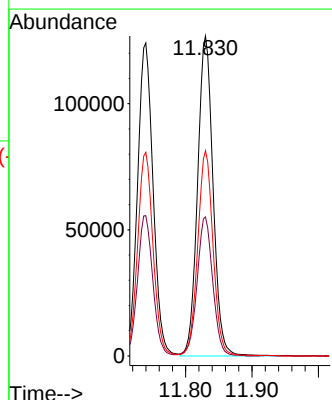
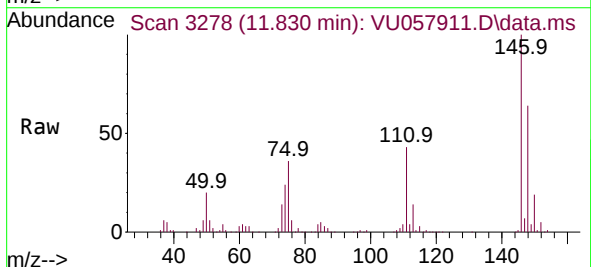
Tgt Ion:146 Resp: 205775

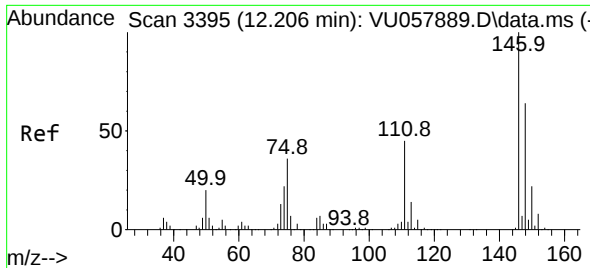
Ion Ratio Lower Upper

146 100

111 43.5 29.9 55.5

148 64.2 44.7 82.9

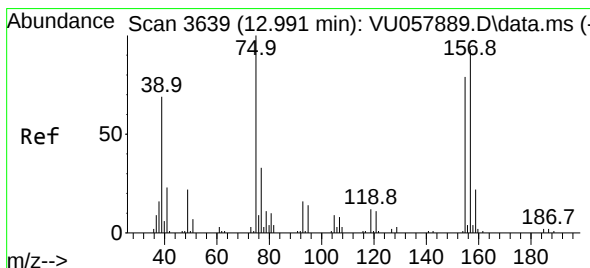
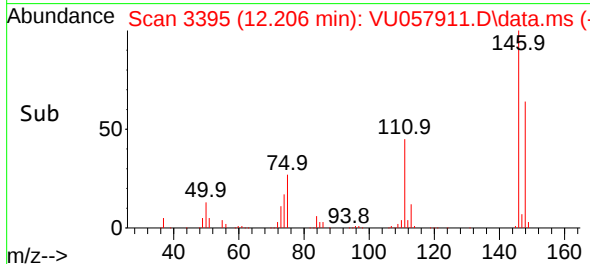
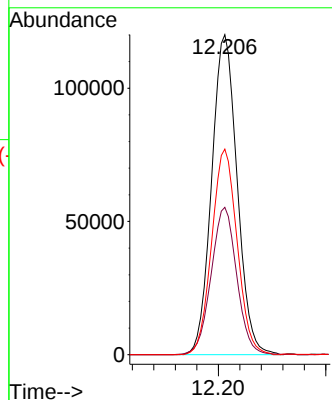
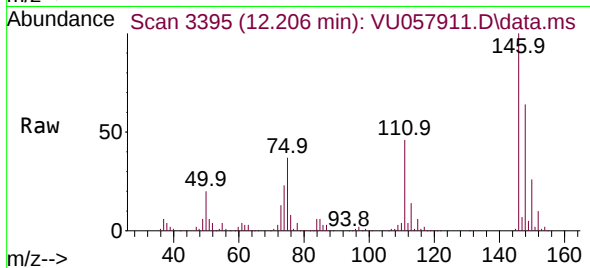




#67
1,2-Dichlorobenzene
Concen: 43.214 ug/L
RT: 12.206 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

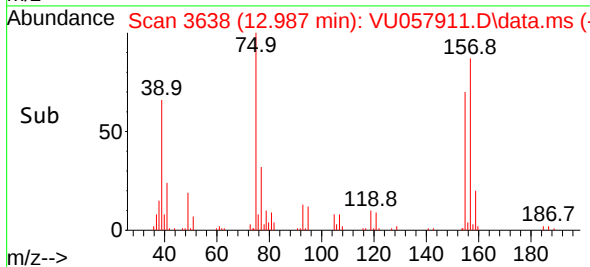
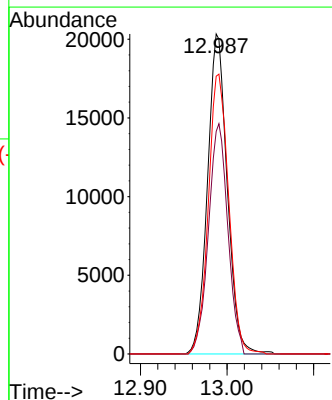
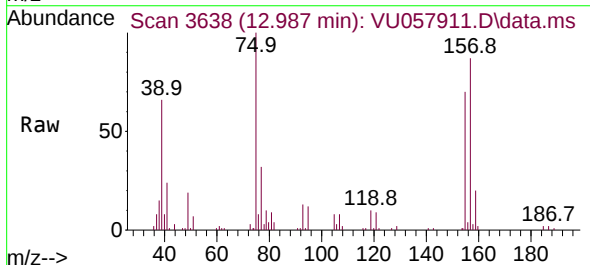
Instrument :
MSVOA_U
ClientSampleId :

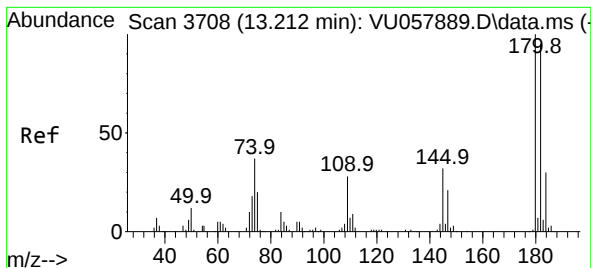
Tgt Ion:146 Resp: 197879
Ion Ratio Lower Upper
146 100
111 46.1 37.3 55.9
148 64.3 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 43.411 ug/L
RT: 12.987 min Scan# 3638
Delta R.T. -0.003 min
Lab File: VU057911.D
Acq: 20 Feb 2024 18:43

Tgt Ion: 75 Resp: 32165
Ion Ratio Lower Upper
75 100
155 67.6 63.2 94.8
157 83.5 74.6 112.0





#69

1,3,5-Trichlorobenzene

Concen: 43.858 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

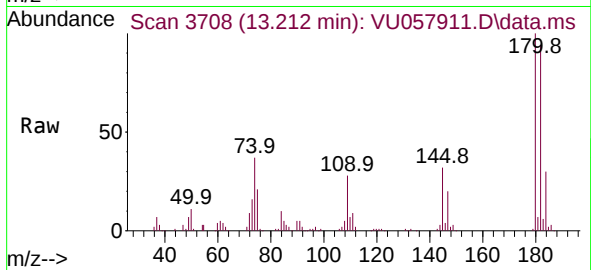
Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 137299

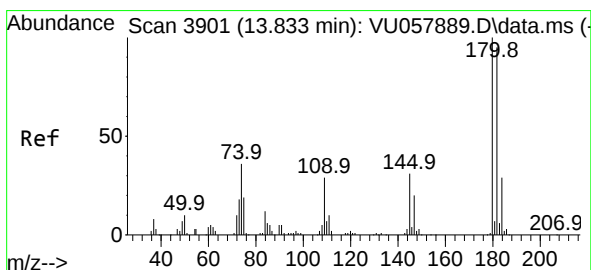
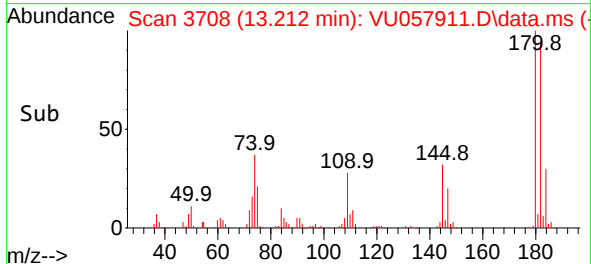
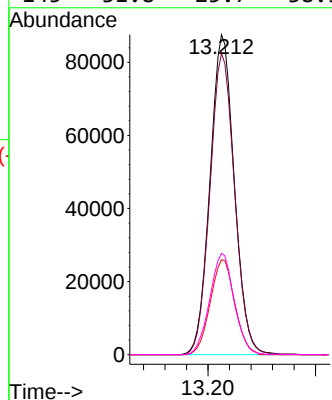
Ion Ratio Lower Upper

180 100

182 95.3 77.6 116.4

184 29.9 24.1 36.1

145 31.8 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 45.846 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

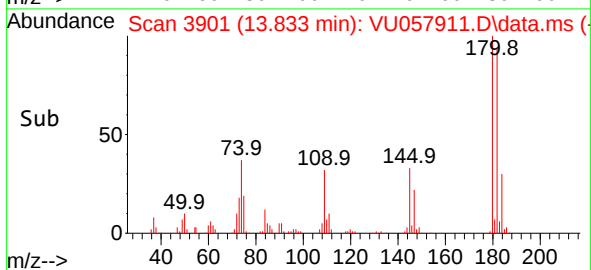
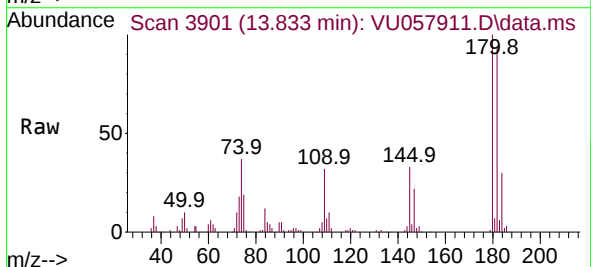
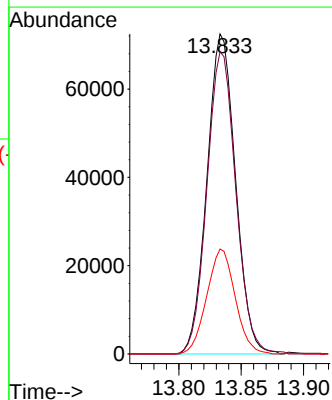
Tgt Ion:180 Resp: 115554

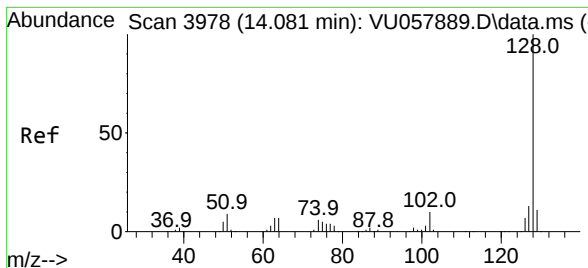
Ion Ratio Lower Upper

180 100

182 95.5 75.8 113.6

145 32.6 25.9 38.9





#71

Naphthalene

Concen: 45.376 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

Instrument :

MSVOA_U

ClientSampleId :

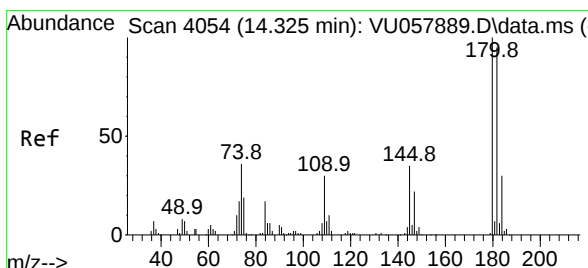
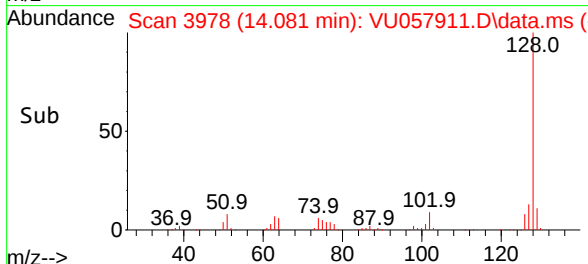
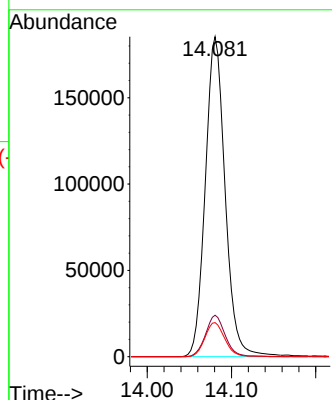
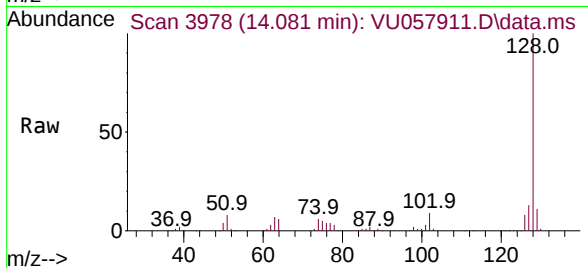
Tgt Ion:128 Resp: 303713

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.6 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 46.364 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.003 min

Lab File: VU057911.D

Acq: 20 Feb 2024 18:43

Tgt Ion:180 Resp: 107336

Ion Ratio Lower Upper

180 100

182 94.2 75.4 113.2

145 34.0 27.8 41.8

