

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022024\
 Data File : VU057889.D
 Acq On : 20 Feb 2024 08:59
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 21 00:06:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 20 01:26:53 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	282828	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	268846	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	133648	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	93666	45.744	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.480%
7) Chloroethane-d5	1.891	69	71777	47.427	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.860%
11) 1,1-Dichloroethene-d2	2.557	63	178483	46.772	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.540%
21) 2-Butanone-d5	4.608	46	88780	114.114	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.110%
24) Chloroform-d	5.052	84	163511	47.093	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.180%
26) 1,2-Dichloroethane-d4	5.689	65	102750	47.208	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.420%
32) Benzene-d6	5.718	84	329136	48.851	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.700%
36) 1,2-Dichloropropane-d6	6.682	67	103933	47.774	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.540%
41) Toluene-d8	7.891	98	297578	48.793	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.580%
43) trans-1,3-Dichloroprop...	8.171	79	50029	48.290	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.580%
47) 2-Hexanone-d5	8.627	63	69361	82.933	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.930%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	129788	43.234	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.460%
66) 1,2-Dichlorobenzene-d4	12.187	152	103298	47.733	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	138887	44.794	ug/L	98
3) Chloromethane	1.515	50	132705	42.094	ug/L	99
5) Vinyl chloride	1.602	62	134614	43.241	ug/L	100
6) Bromomethane	1.827	94	56093	46.148	ug/L	95
8) Chloroethane	1.914	64	78453	43.091	ug/L	98
9) Trichlorofluoromethane	2.126	101	169008	44.367	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	101992	46.068	ug/L	99
12) 1,1-Dichloroethene	2.570	96	90833	44.356	ug/L	97
13) Acetone	2.608	43	135529	94.086	ug/L	97
14) Carbon disulfide	2.782	76	299389	44.674	ug/L	100
15) Methyl Acetate	2.933	43	90186	38.457	ug/L	97
16) Methylene chloride	3.033	84	103306	38.705	ug/L	99
17) trans-1,2-Dichloroethene	3.341	96	94154	44.318	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	323714	43.765	ug/L	99
19) 1,1-Dichloroethane	3.856	63	196308	44.568	ug/L	98
20) cis-1,2-Dichloroethene	4.653	96	106452	43.678	ug/L	99
22) 2-Butanone	4.685	43	154527	88.545	ug/L	98
23) Bromochloromethane	4.962	128	52180	44.065	ug/L	97
25) Chloroform	5.075	83	191607	44.057	ug/L	99

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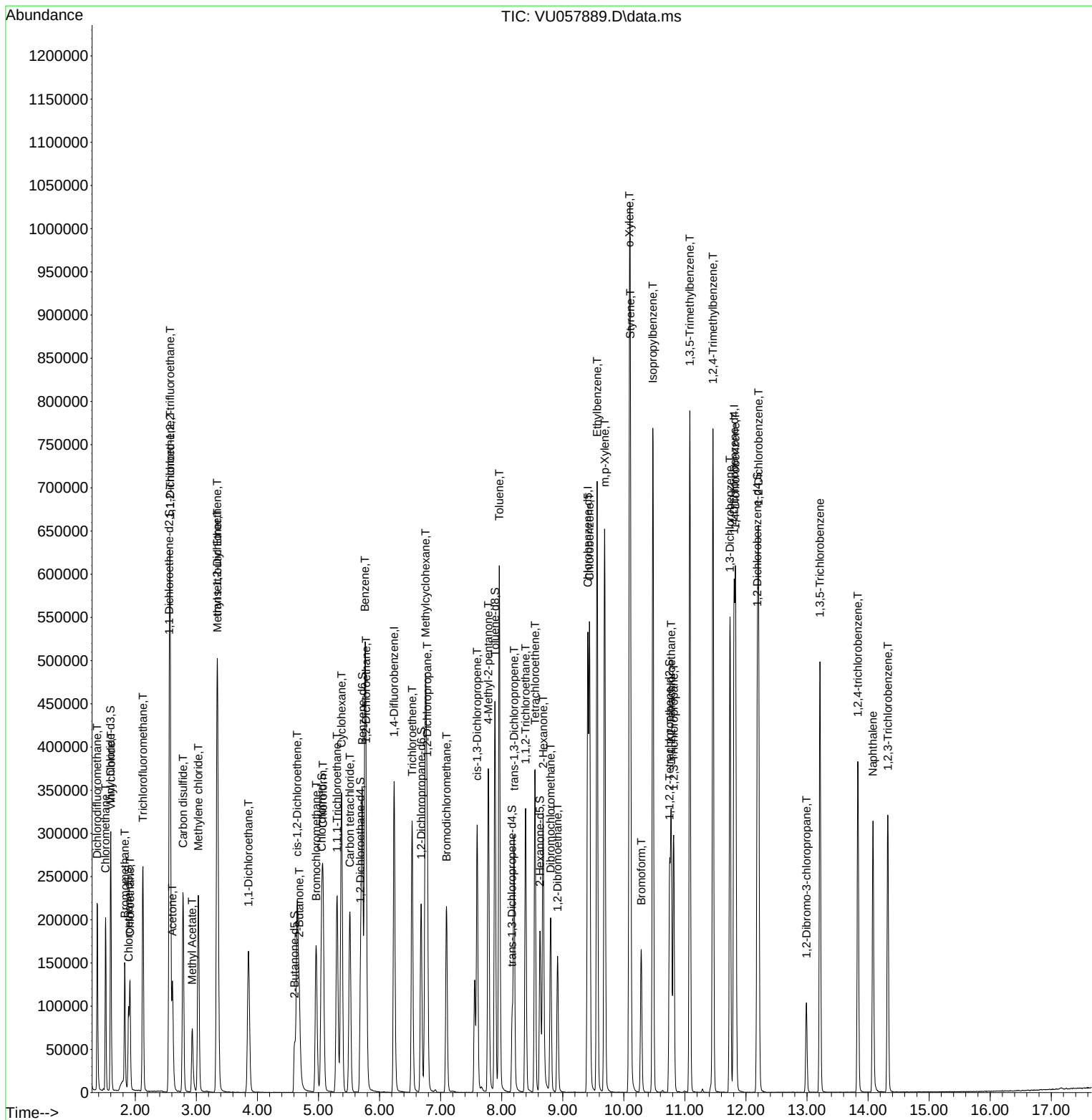
Instrument :
 MSVOA_U
 ClientSampleId :

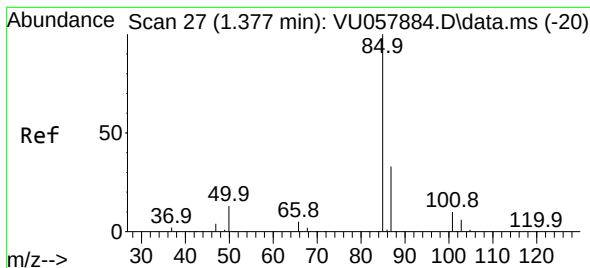
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	155628	43.007	ug/L	98
29) Cyclohexane	5.377	56	184485	46.625	ug/L	100
30) 1,1,1-Trichloroethane	5.303	97	164842	45.500	ug/L	99
31) Carbon tetrachloride	5.515	117	143734	46.200	ug/L	100
33) Benzene	5.763	78	419000	44.684	ug/L	100
34) Trichloroethene	6.534	95	109796	45.551	ug/L	96
35) Methylcyclohexane	6.753	83	185377	47.337	ug/L	100
37) 1,2-Dichloropropane	6.782	63	116214	43.922	ug/L	100
38) Bromodichloromethane	7.097	83	141398	44.503	ug/L	98
39) cis-1,3-Dichloropropene	7.599	75	183838	45.466	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	260456	78.201	ug/L	99
42) Toluene	7.962	91	437893	45.123	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	170043	45.316	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	100511	42.753	ug/L	98
46) Tetrachloroethene	8.547	164	76893	46.354	ug/L	95
48) 2-Hexanone	8.679	43	222560	81.869	ug/L	99
49) Dibromochloromethane	8.801	129	104294	44.546	ug/L	98
50) 1,2-Dibromoethane	8.917	107	103711	41.897	ug/L	98
51) Chlorobenzene	9.441	112	272488	44.156	ug/L	98
52) Ethylbenzene	9.563	91	491514	45.169	ug/L	99
53) m,p-Xylene	9.688	106	183979	46.491	ug/L	97
54) o-Xylene	10.094	106	177666	45.439	ug/L	95
55) Styrene	10.110	104	301891	45.025	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	161249	40.263	ug/L	99
59) Bromoform	10.287	173	72724	44.328	ug/L #	97
60) 1,2,3-Trichloropropane	10.817	75	128332	41.446	ug/L	99
61) Isopropylbenzene	10.476	105	485889	46.521	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	417324	46.377	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	420615	46.518	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	209220	45.305	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	207982	44.210	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	204534	45.019	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	27974	38.052	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	141517	45.562	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	111455	44.568	ug/L	100
71) Naphthalene	14.081	128	244938	36.883	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	93514	40.712	ug/L	98

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

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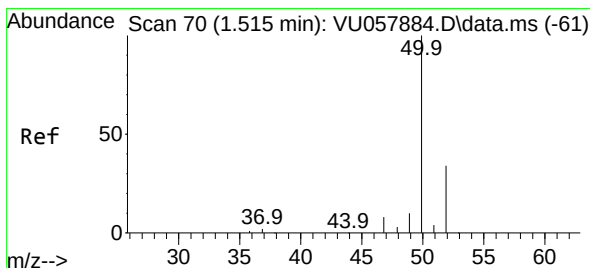
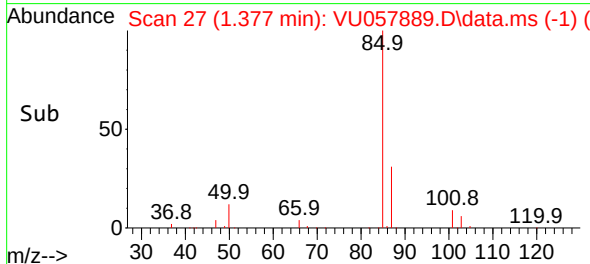
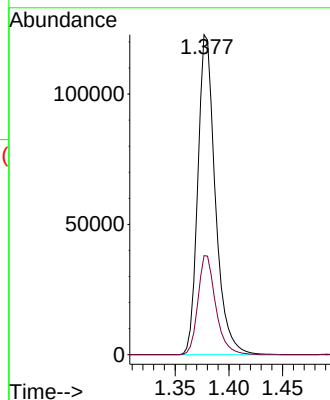
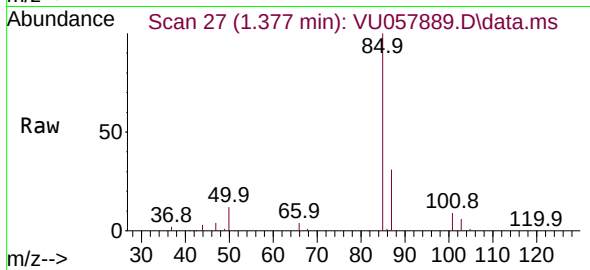




#2
 Dichlorodifluoromethane
 Concen: 44.794 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU057889.D
 Acq: 20 Feb 2024 08:59

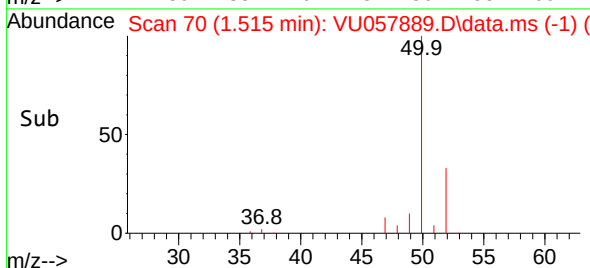
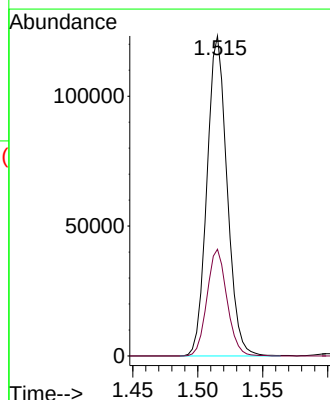
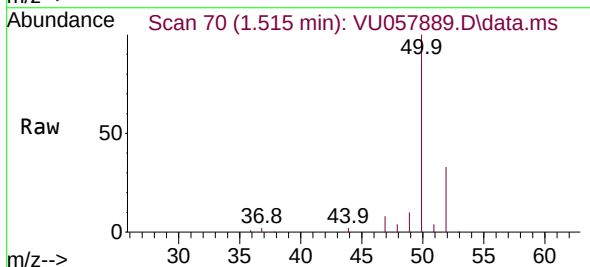
Instrument :
 MSVOA_U
 ClientSampleId :

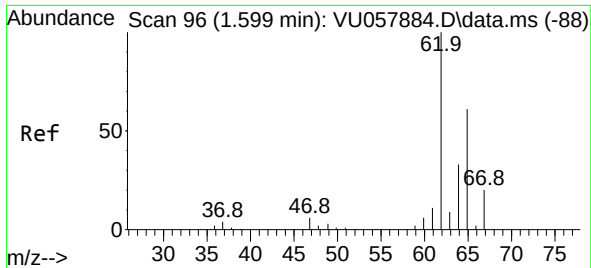
Tgt Ion: 85 Resp: 138887
 Ion Ratio Lower Upper
 85 100
 87 31.4 26.2 39.2



#3
 Chloromethane
 Concen: 42.094 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU057889.D
 Acq: 20 Feb 2024 08:59

Tgt Ion: 50 Resp: 132705
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.8 44.2

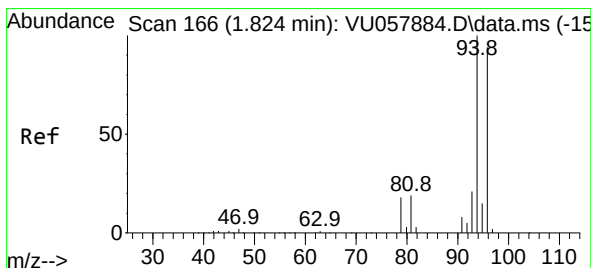
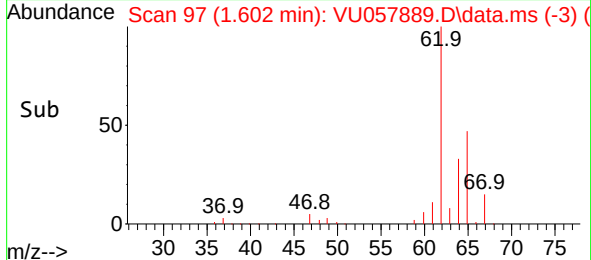
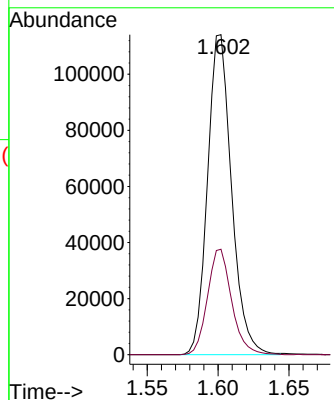
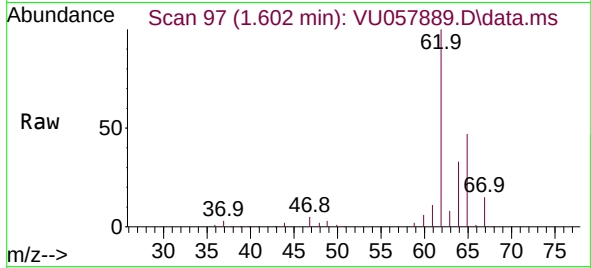




#5
 Vinyl chloride
 Concen: 43.241 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU057889.D
 Acq: 20 Feb 2024 08:59

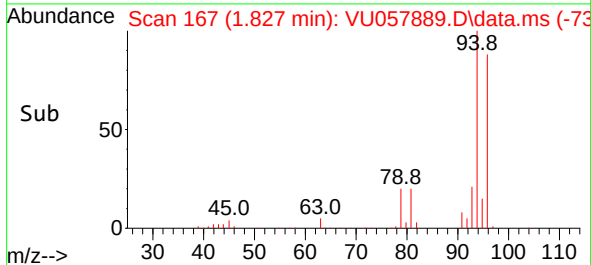
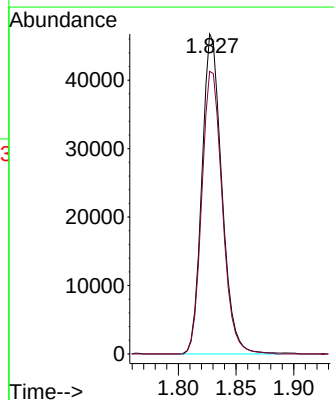
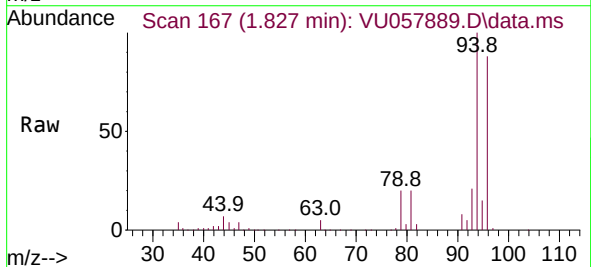
Instrument :
 MSVOA_U
 ClientSampleId :

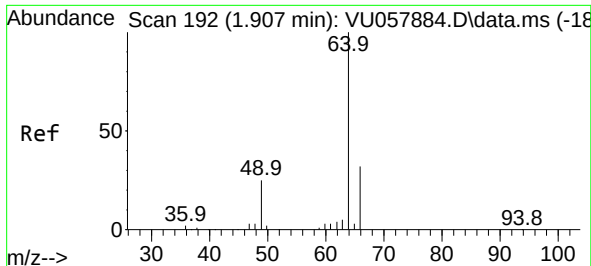
Tgt Ion: 62 Resp: 134614
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.1 42.9



#6
 Bromomethane
 Concen: 46.148 ug/L
 RT: 1.827 min Scan# 167
 Delta R.T. 0.003 min
 Lab File: VU057889.D
 Acq: 20 Feb 2024 08:59

Tgt Ion: 94 Resp: 56093
 Ion Ratio Lower Upper
 94 100
 96 88.3 65.5 121.7





#8

Chloroethane

Concen: 43.091 ug/L

RT: 1.914 min Scan# 19

Delta R.T. 0.007 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

Instrument :

MSVOA_U

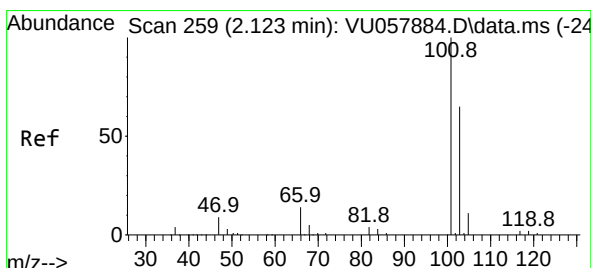
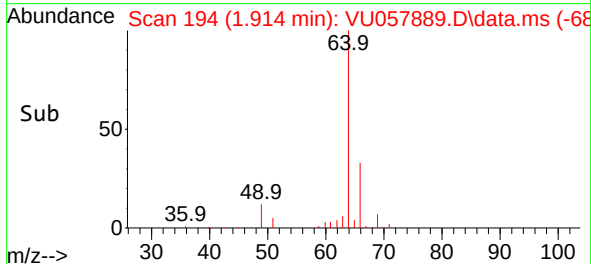
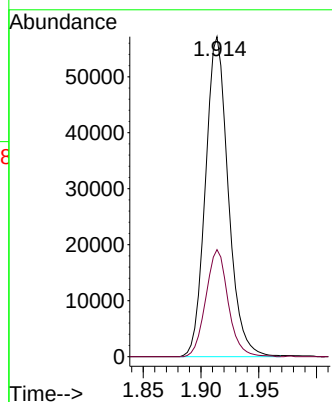
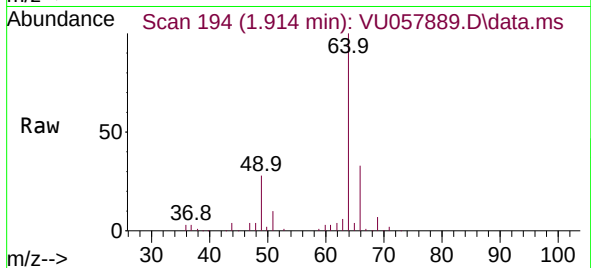
ClientSampleId :

Tgt Ion: 64 Resp: 78453

Ion Ratio Lower Upper

64 100

66 33.4 22.5 41.9



#9

Trichlorofluoromethane

Concen: 44.367 ug/L

RT: 2.126 min Scan# 260

Delta R.T. 0.003 min

Lab File: VU057889.D

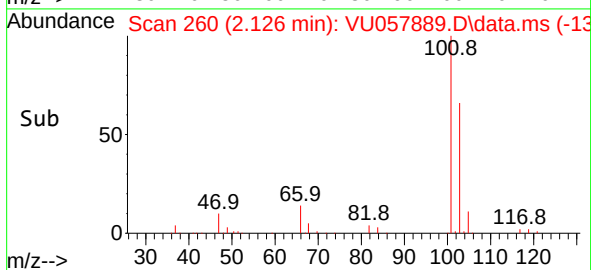
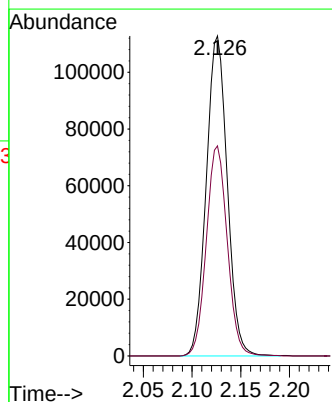
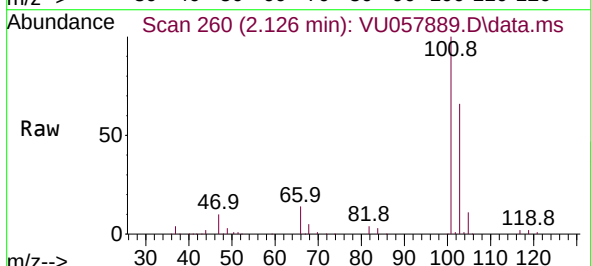
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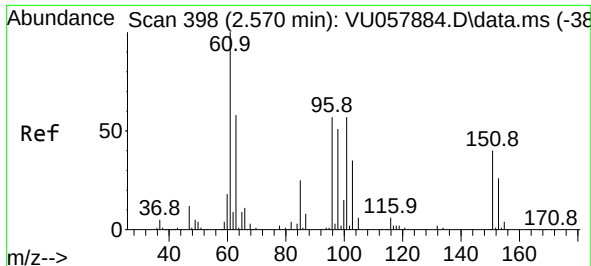
Tgt Ion:101 Resp: 169008

Ion Ratio Lower Upper

101 100

103 65.5 51.7 77.5

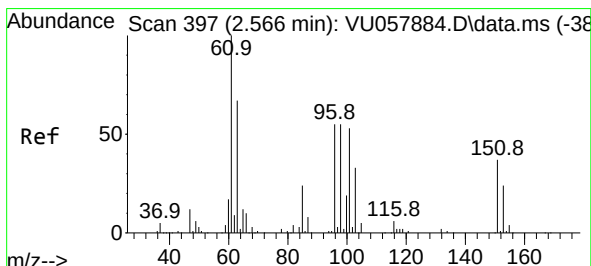
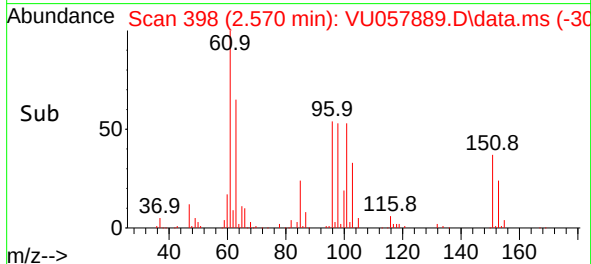
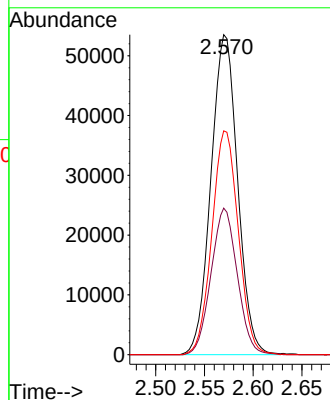
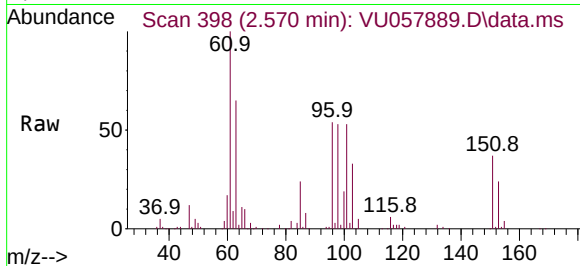




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 46.068 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.000 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

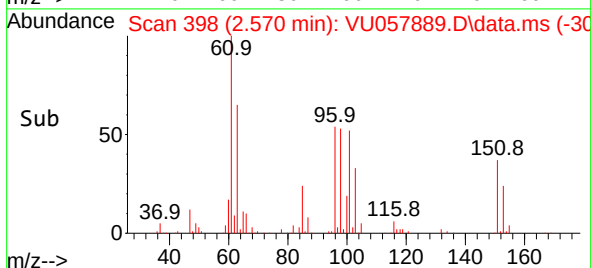
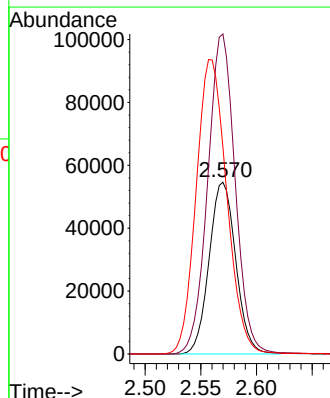
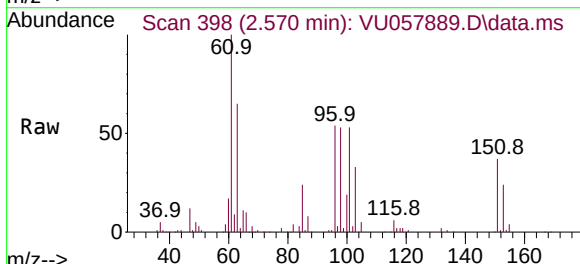
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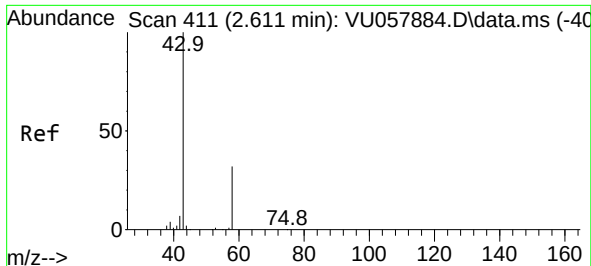
Tgt Ion:101 Resp: 101992
Ion Ratio Lower Upper
101 100
85 45.0 35.7 53.5
151 69.3 55.8 83.6



#12
1,1-Dichloroethene
Concen: 44.356 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.003 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

Tgt Ion: 96 Resp: 90833
Ion Ratio Lower Upper
96 100
61 186.5 126.8 235.6
63 120.7 86.5 160.7





#13

Acetone

Concen: 94.086 ug/L

RT: 2.608 min Scan# 411

Delta R.T. -0.003 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

Instrument :

MSVOA_U

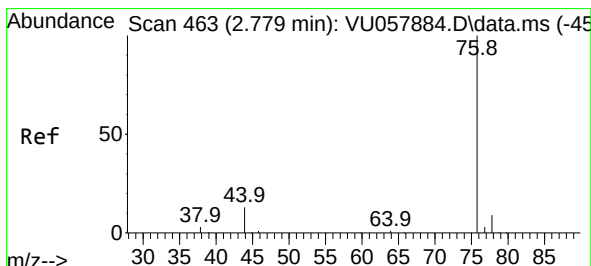
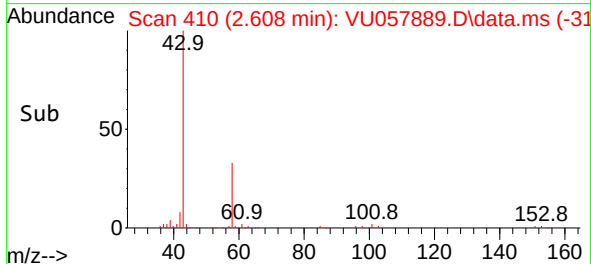
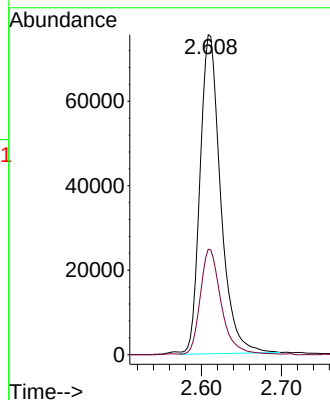
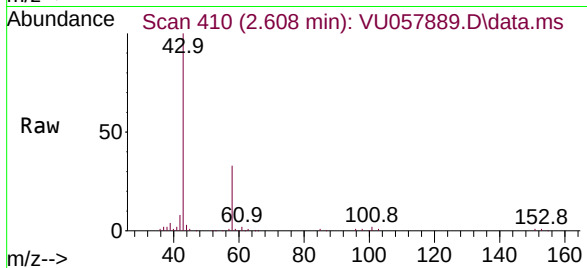
ClientSampleId :

Tgt Ion: 43 Resp: 135529

Ion Ratio Lower Upper

43 100

58 33.8 0.0 64.2



#14

Carbon disulfide

Concen: 44.674 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.003 min

Lab File: VU057889.D

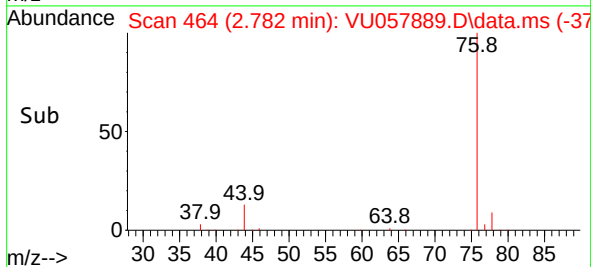
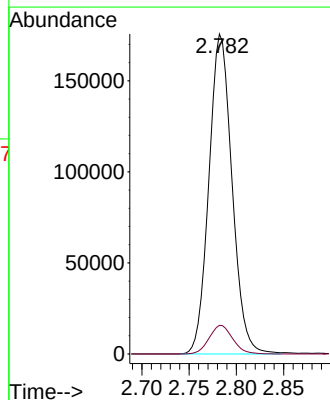
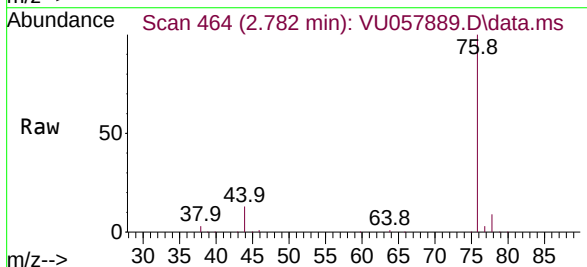
Acq: 20 Feb 2024 08:59

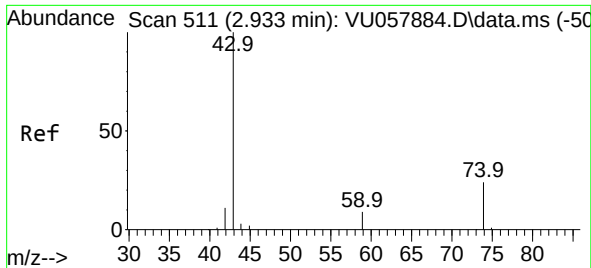
Tgt Ion: 76 Resp: 299389

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

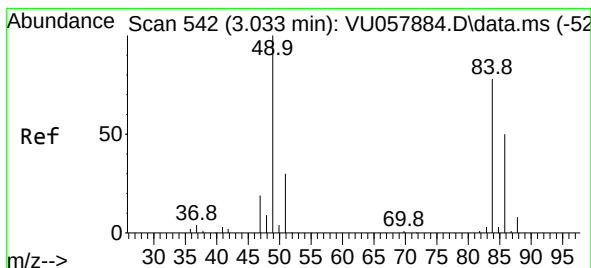
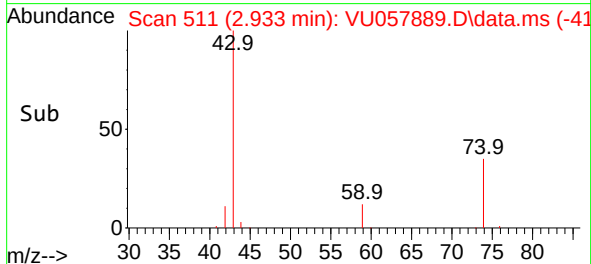
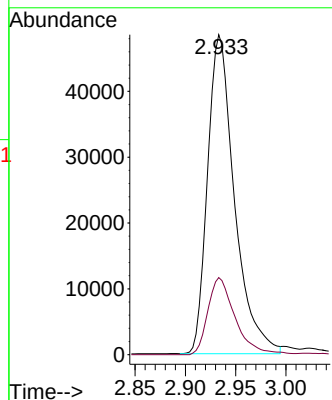
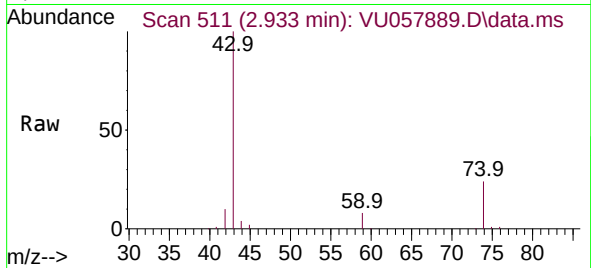




#15
Methyl Acetate
Concen: 38.457 ug/L
RT: 2.933 min Scan# 511
Delta R.T. 0.000 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

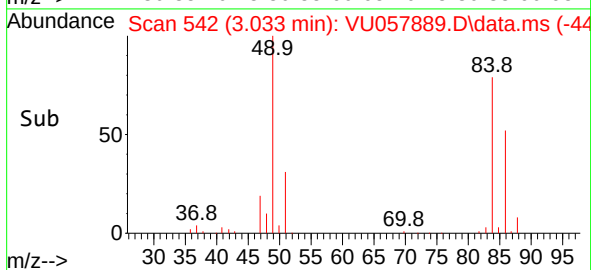
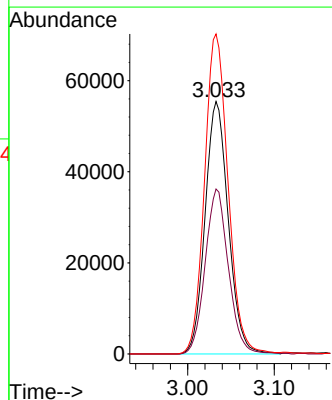
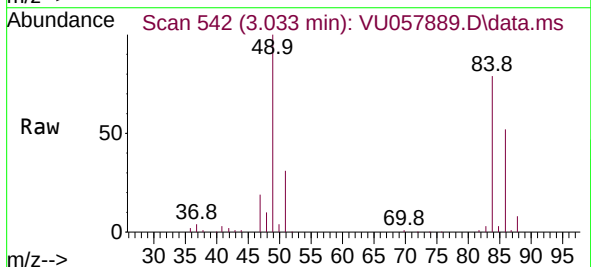
Instrument :
MSVOA_U
ClientSampleId :

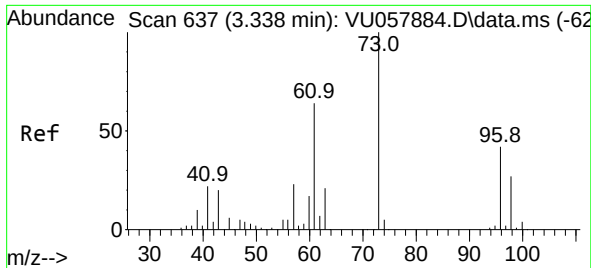
Tgt Ion: 43 Resp: 90186
Ion Ratio Lower Upper
43 100
74 24.4 18.6 27.8



#16
Methylene chloride
Concen: 38.705 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.000 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

Tgt Ion: 84 Resp: 103306
Ion Ratio Lower Upper
84 100
86 65.4 45.1 83.7
49 126.7 89.7 166.5

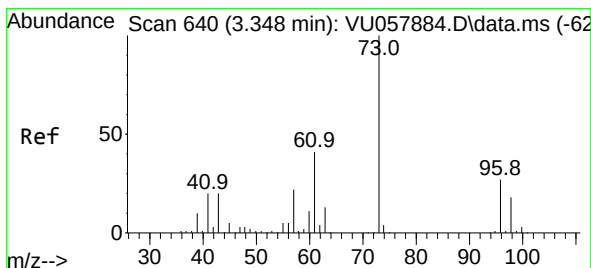
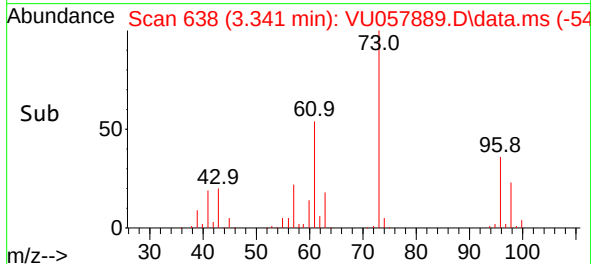
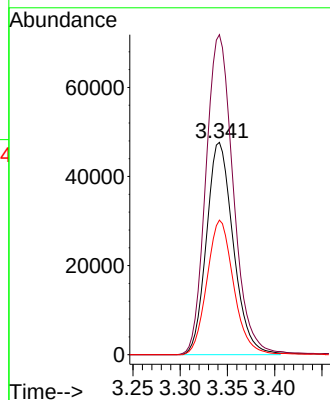
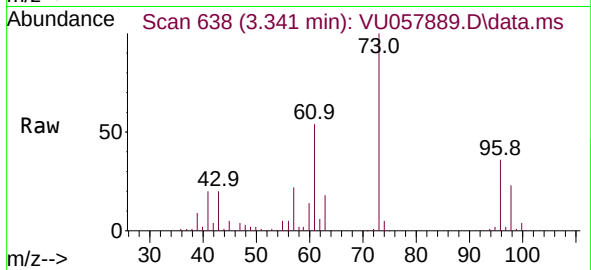




#17
trans-1,2-Dichloroethene
Concen: 44.318 ug/L
RT: 3.341 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

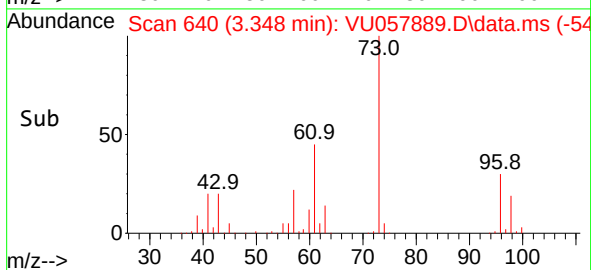
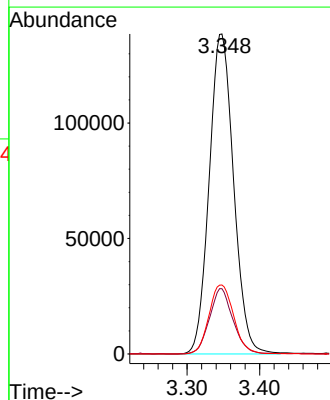
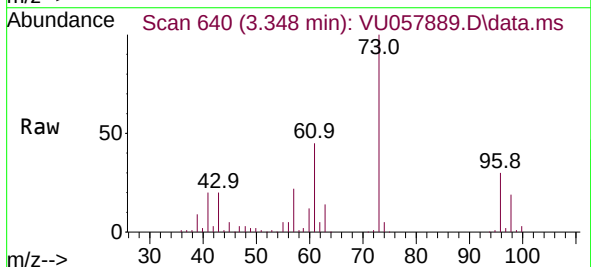
Instrument :
MSVOA_U
ClientSampleId :

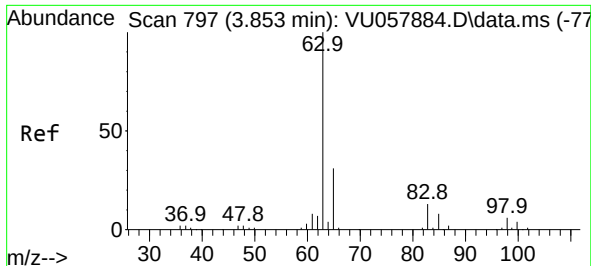
Tgt Ion: 96 Resp: 94154
Ion Ratio Lower Upper
96 100
61 150.7 106.3 197.3
98 63.4 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 43.765 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

Tgt Ion: 73 Resp: 323714
Ion Ratio Lower Upper
73 100
43 19.8 16.0 24.0
57 21.9 17.8 26.6





#19

1,1-Dichloroethane

Concen: 44.568 ug/L

RT: 3.856 min Scan# 797

Delta R.T. 0.003 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

Instrument :

MSVOA_U

ClientSampleId :

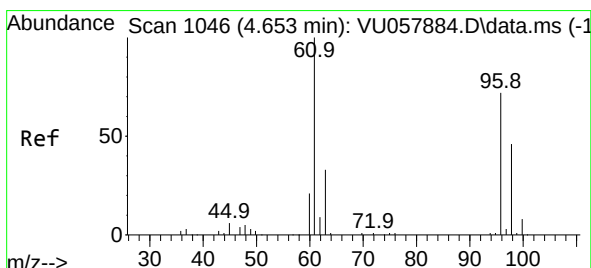
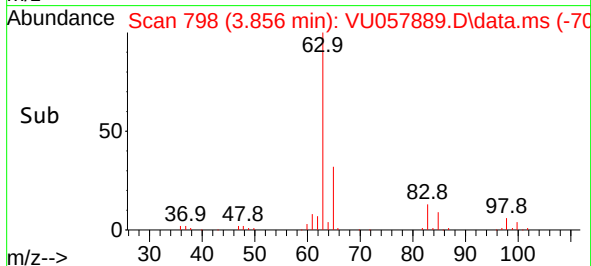
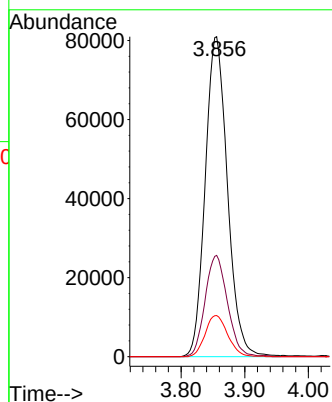
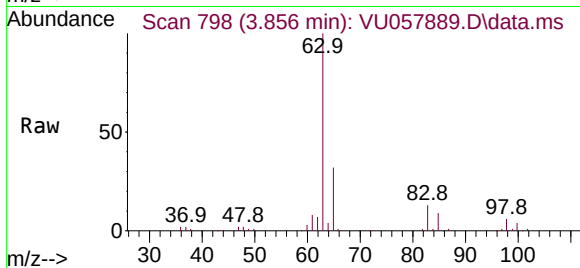
Tgt Ion: 63 Resp: 196308

Ion Ratio Lower Upper

63 100

65 32.2 21.7 40.3

83 12.9 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 43.678 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. 0.000 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

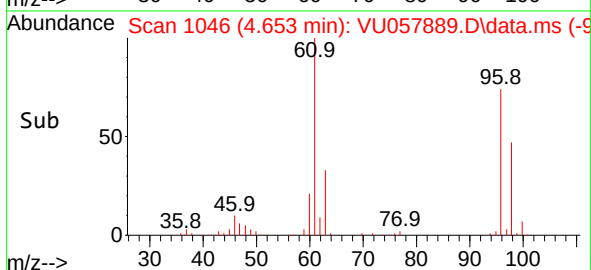
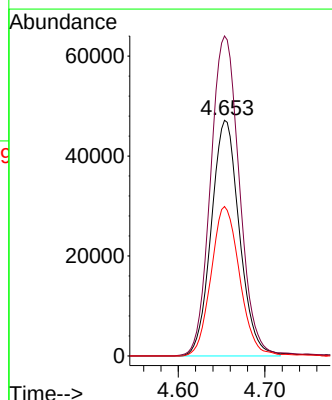
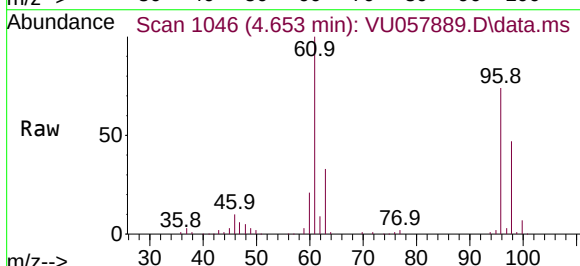
Tgt Ion: 96 Resp: 106452

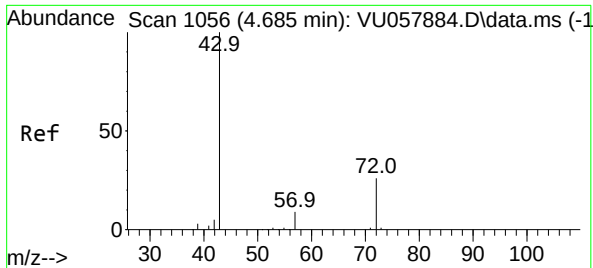
Ion Ratio Lower Upper

96 100

61 135.8 96.7 179.7

98 63.4 44.3 82.3

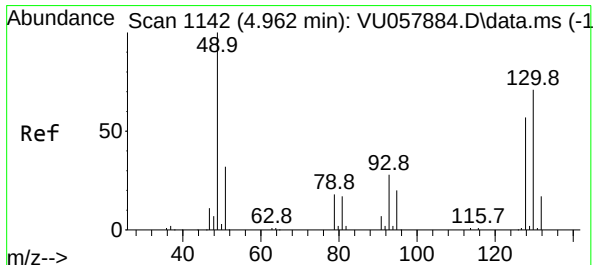
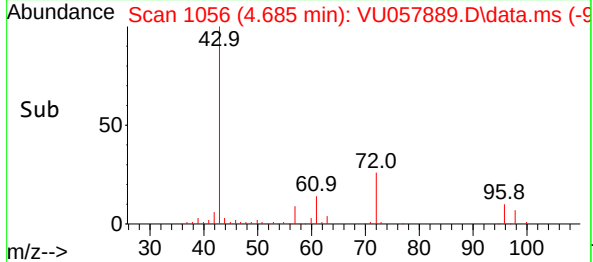
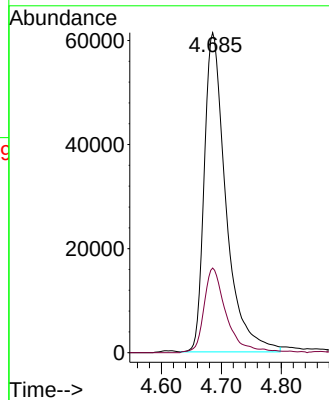
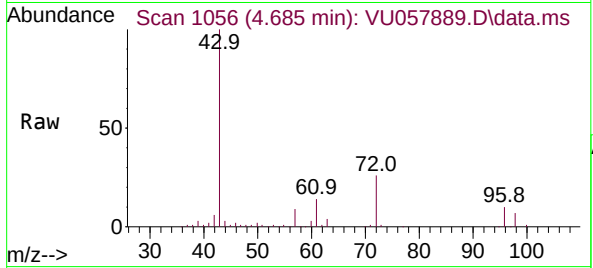




#22
2-Butanone
Concen: 88.545 ug/L
RT: 4.685 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

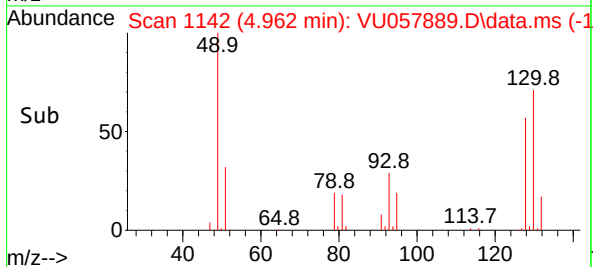
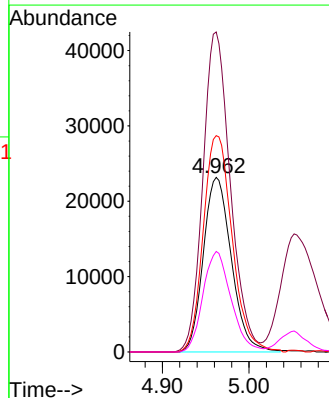
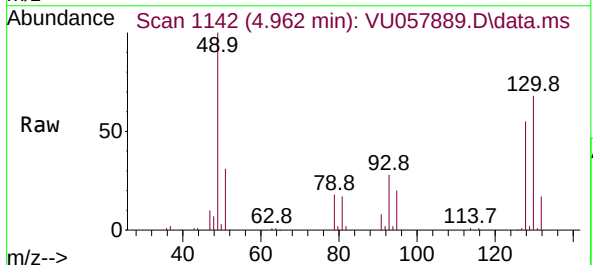
Instrument :
MSVOA_U
ClientSampleId :

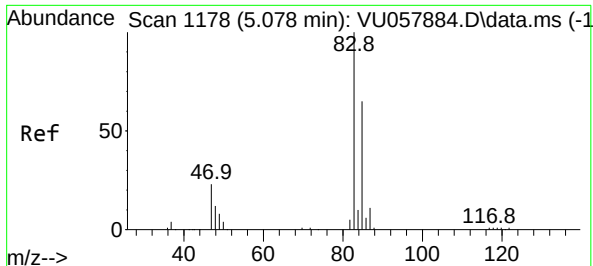
Tgt Ion: 43 Resp: 154527
Ion Ratio Lower Upper
43 100
72 26.5 13.8 41.3



#23
Bromochloromethane
Concen: 44.065 ug/L
RT: 4.962 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

Tgt Ion:128 Resp: 52180
Ion Ratio Lower Upper
128 100
49 183.3 124.0 230.4
130 123.9 87.8 163.0
51 57.6 44.4 66.6





#25

Chloroform

Concen: 44.057 ug/L

RT: 5.075 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

Instrument :

MSVOA_U

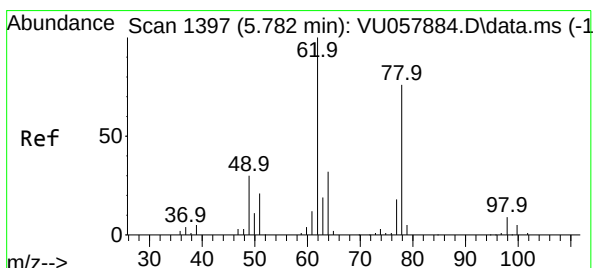
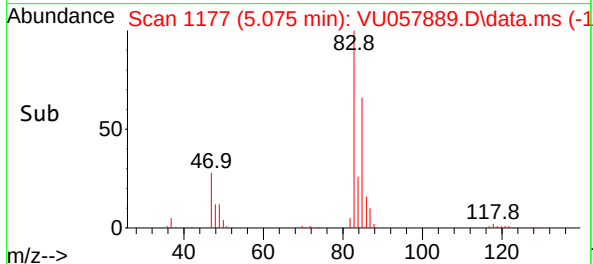
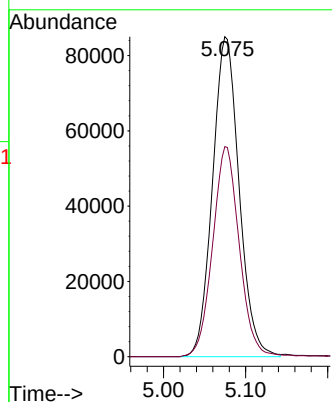
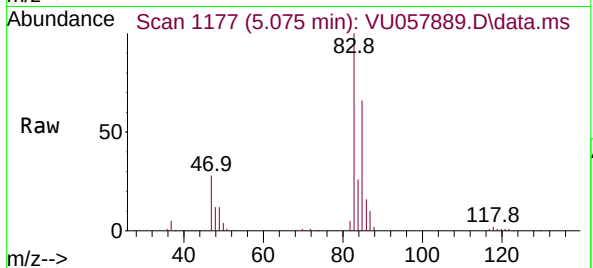
ClientSampleId :

Tgt Ion: 83 Resp: 191607

Ion Ratio Lower Upper

83 100

85 65.6 45.6 84.6



#27

1,2-Dichloroethane

Concen: 43.007 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VU057889.D

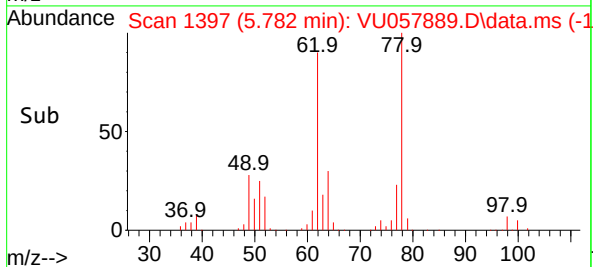
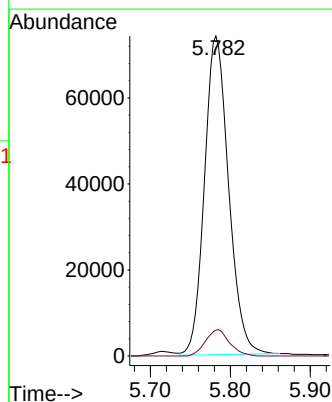
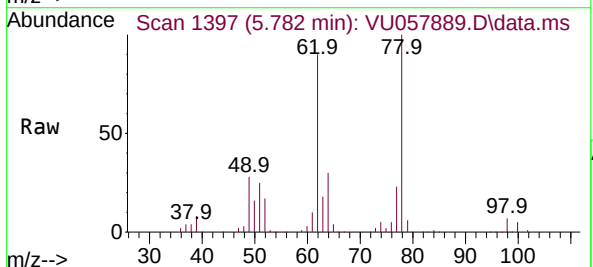
Acq: 20 Feb 2024 08:59

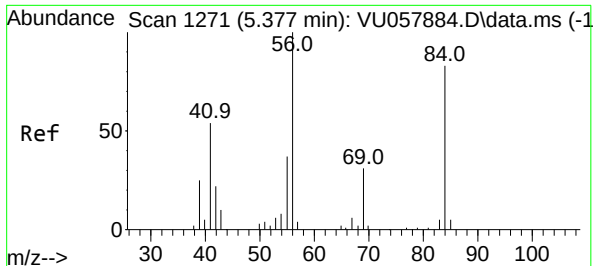
Tgt Ion: 62 Resp: 155628

Ion Ratio Lower Upper

62 100

98 8.1 7.1 10.7





#29

Cyclohexane

Concen: 46.625 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. 0.000 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

Instrument :

MSVOA_U

ClientSampleId :

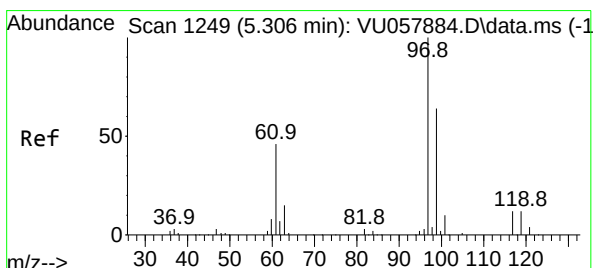
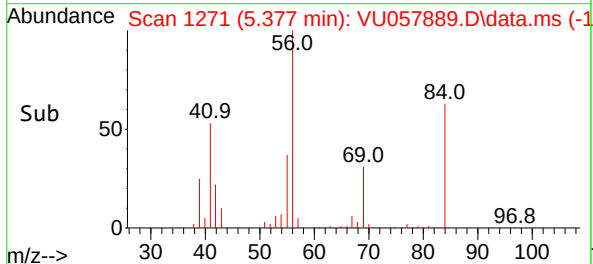
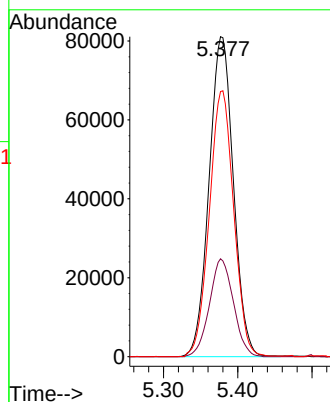
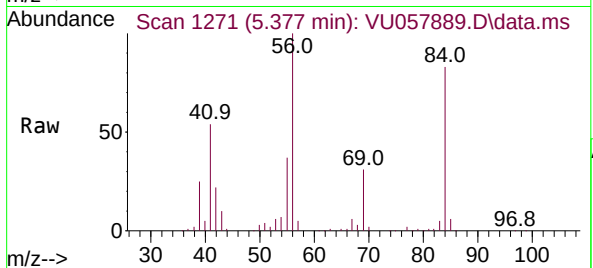
Tgt Ion: 56 Resp: 184485

Ion Ratio Lower Upper

56 100

69 30.1 24.6 36.8

84 83.5 66.9 100.3



#30

1,1,1-Trichloroethane

Concen: 45.500 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. -0.003 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

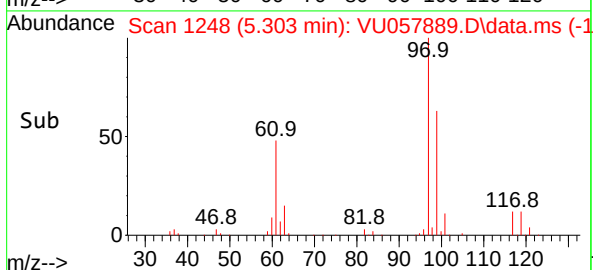
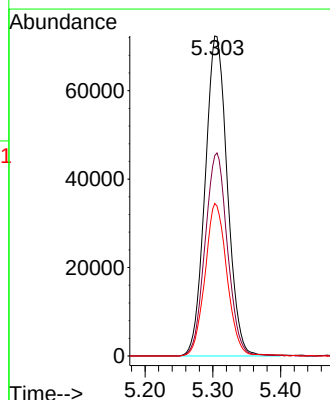
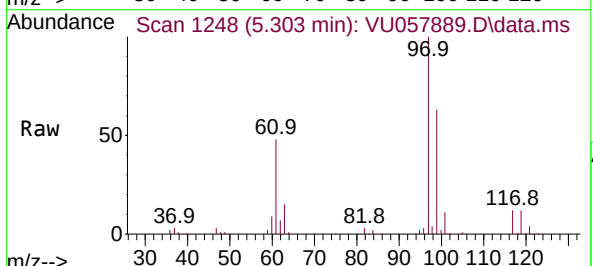
Tgt Ion: 97 Resp: 164842

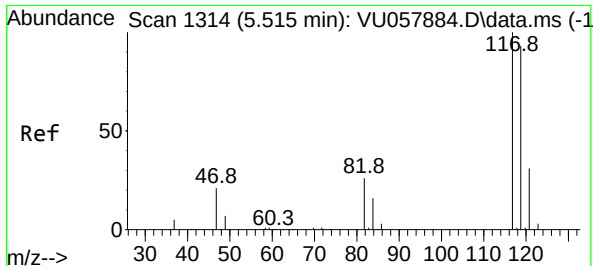
Ion Ratio Lower Upper

97 100

99 64.0 51.6 77.4

61 46.9 36.8 55.2

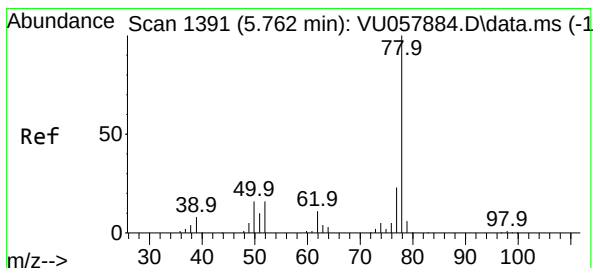
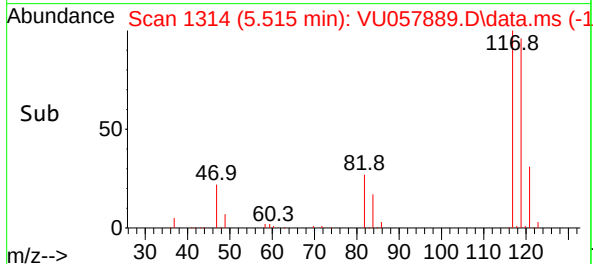
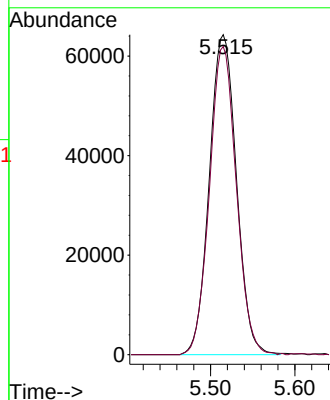
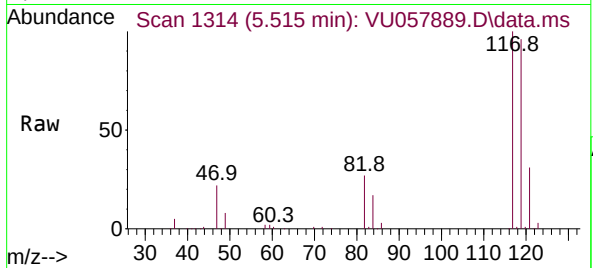




#31
Carbon tetrachloride
Concen: 46.200 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

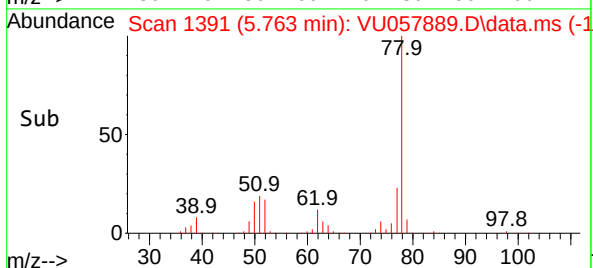
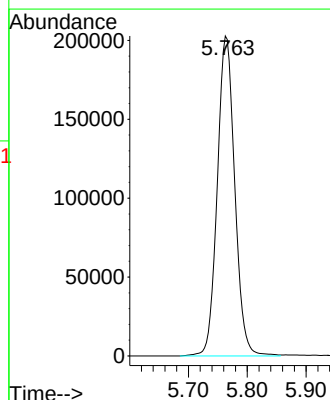
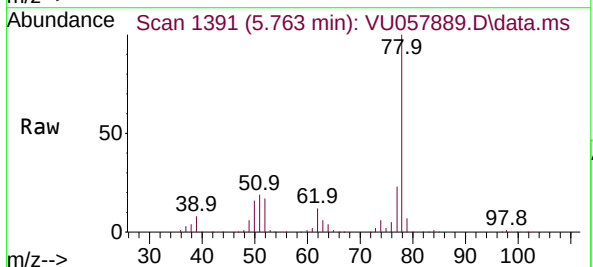
Instrument :
MSVOA_U
ClientSampleId :

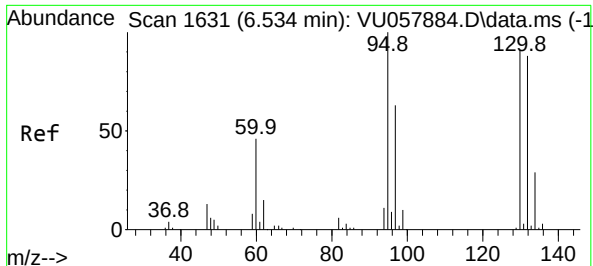
Tgt Ion:117 Resp: 143734
Ion Ratio Lower Upper
117 100
119 95.2 75.9 113.9



#33
Benzene
Concen: 44.684 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

Tgt Ion: 78 Resp: 419000

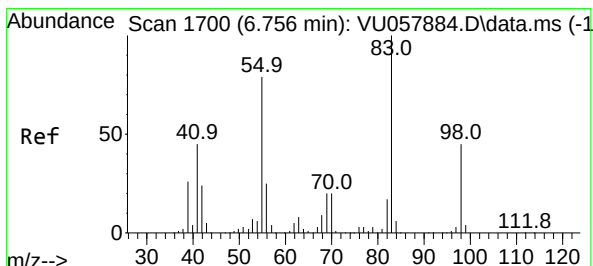
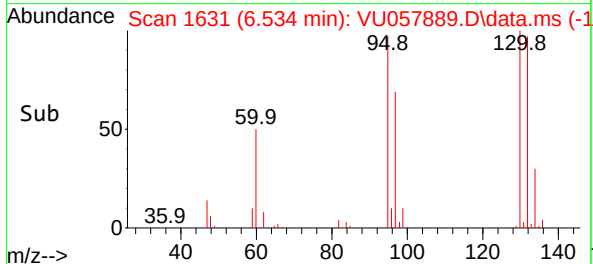
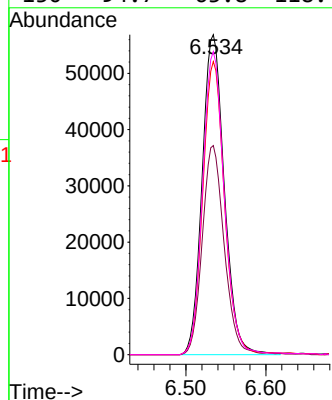
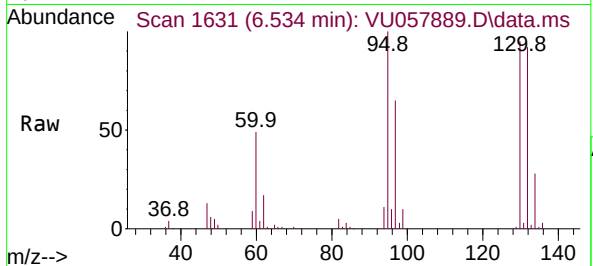




#34
Trichloroethene
Concen: 45.551 ug/L
RT: 6.534 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

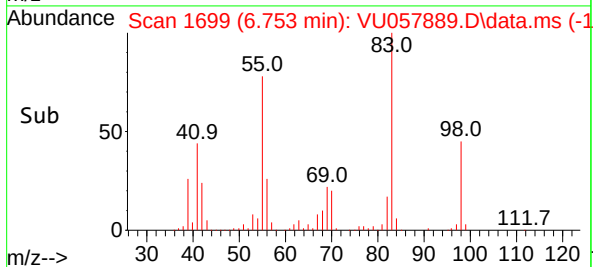
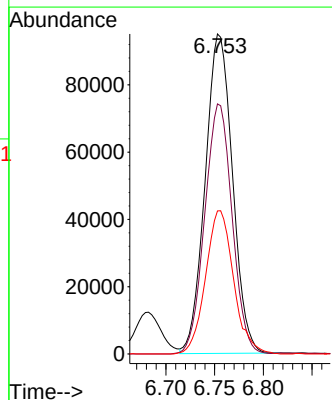
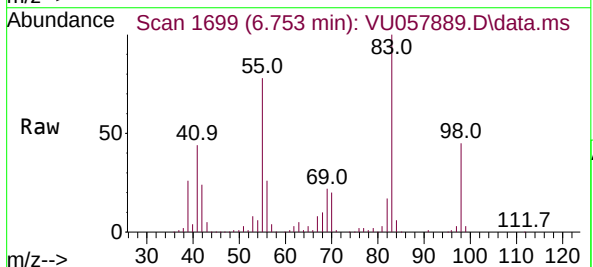
Instrument :
MSVOA_U
ClientSampleId :

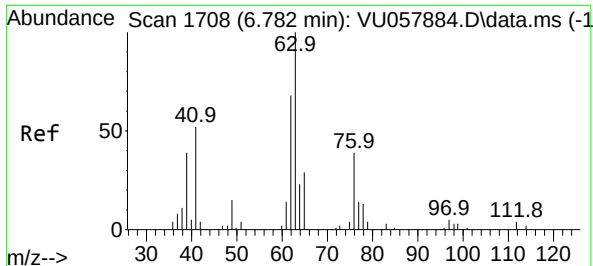
Tgt Ion: 95 Resp: 109796
Ion Ratio Lower Upper
95 100
97 65.3 44.2 82.2
132 91.6 61.4 114.0
130 94.7 63.8 118.4



#35
Methylcyclohexane
Concen: 47.337 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

Tgt Ion: 83 Resp: 185377
Ion Ratio Lower Upper
83 100
55 78.4 62.7 94.1
98 45.9 36.3 54.5





#37

1,2-Dichloropropane

Concen: 43.922 ug/L

RT: 6.782 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

Instrument :

MSVOA_U

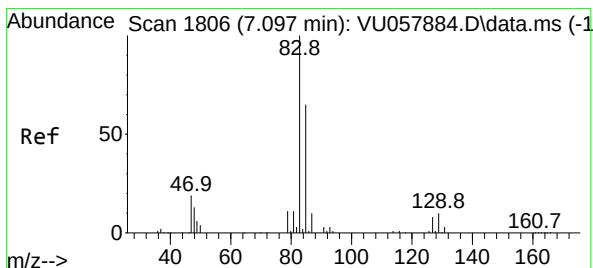
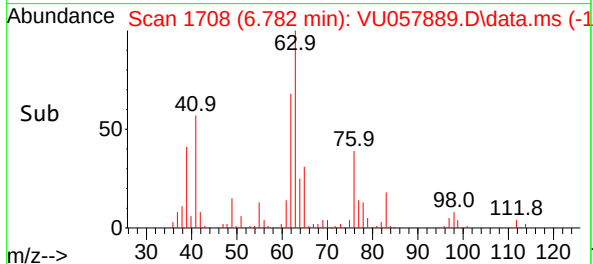
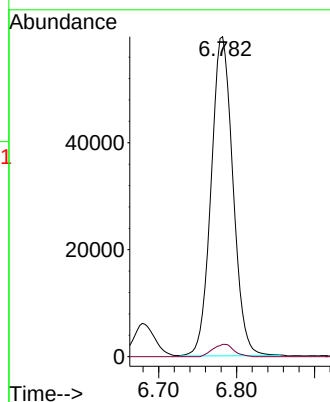
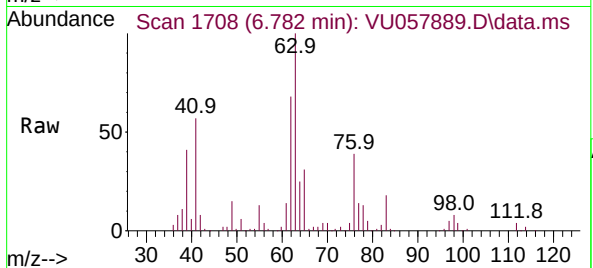
ClientSampleId :

Tgt Ion: 63 Resp: 116214

Ion Ratio Lower Upper

63 100

112 3.8 2.9 4.3



#38

Bromodichloromethane

Concen: 44.503 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

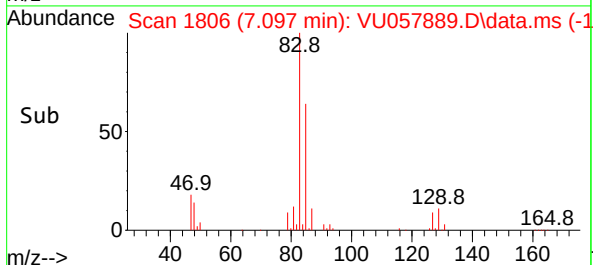
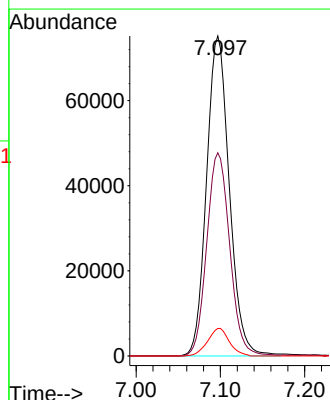
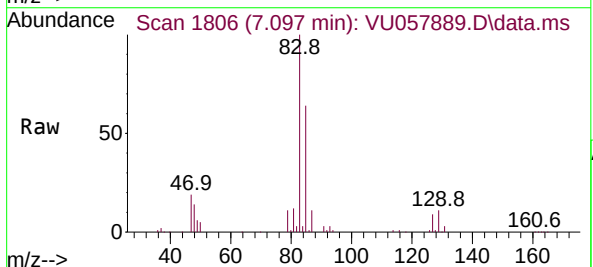
Tgt Ion: 83 Resp: 141398

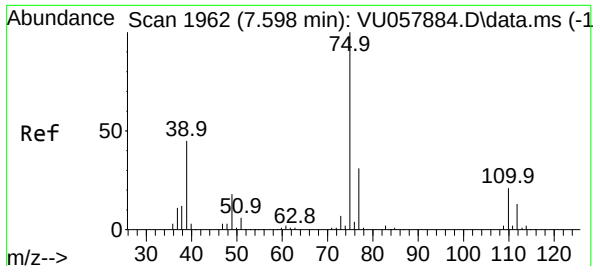
Ion Ratio Lower Upper

83 100

85 63.5 45.4 84.4

127 9.6 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 45.466 ug/L

RT: 7.599 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

Instrument :

MSVOA_U

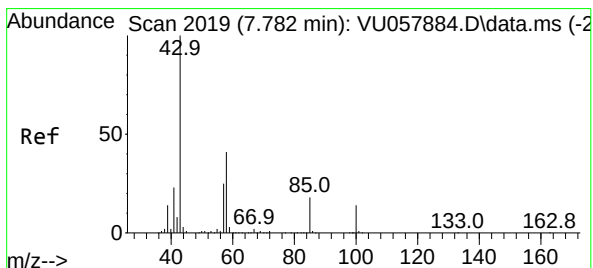
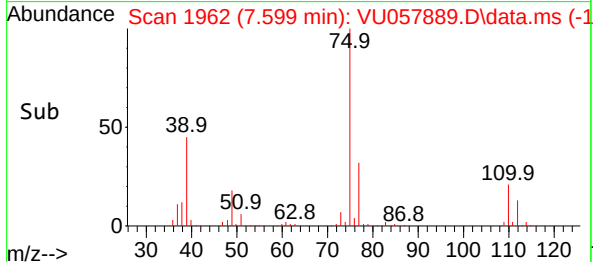
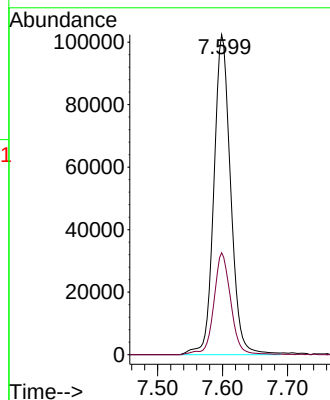
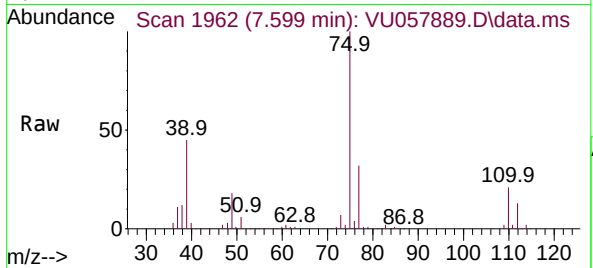
ClientSampleId :

Tgt Ion: 75 Resp: 183838

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 78.201 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

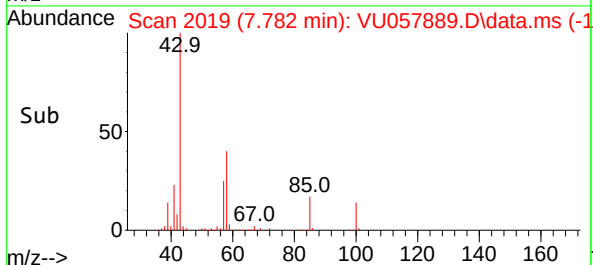
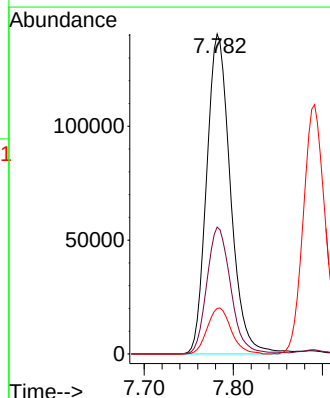
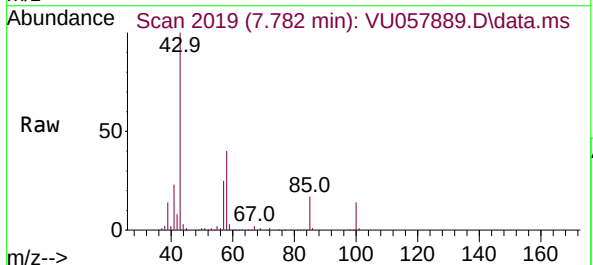
Tgt Ion: 43 Resp: 260456

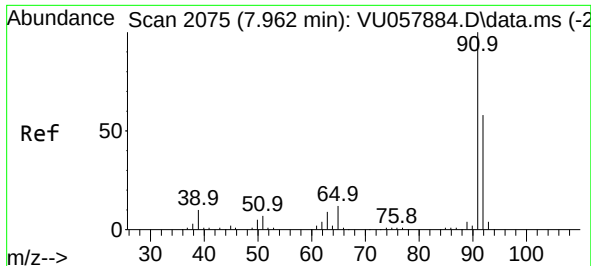
Ion Ratio Lower Upper

43 100

58 39.7 32.3 48.5

100 14.4 11.4 17.0





#42

Toluene

Concen: 45.123 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

Instrument :

MSVOA_U

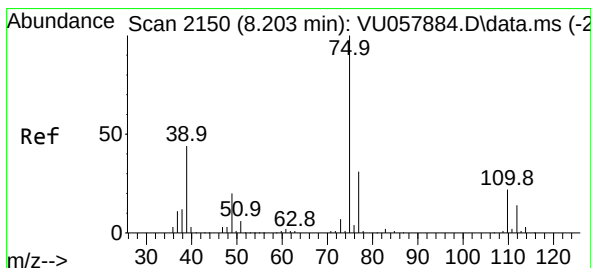
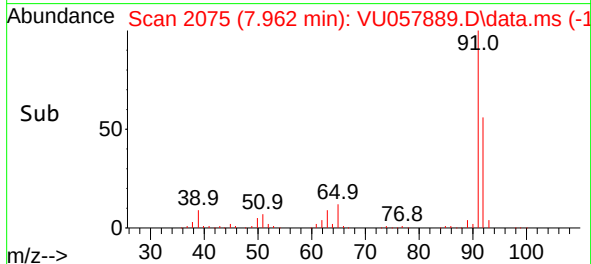
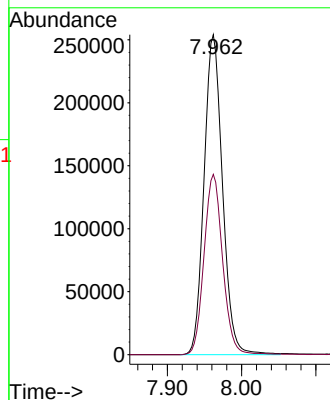
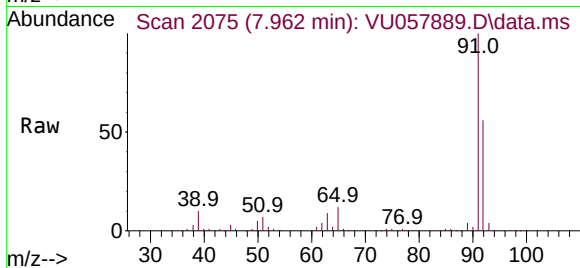
ClientSampleId :

Tgt Ion: 91 Resp: 437893

Ion Ratio Lower Upper

91 100

92 56.3 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 45.316 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU057889.D

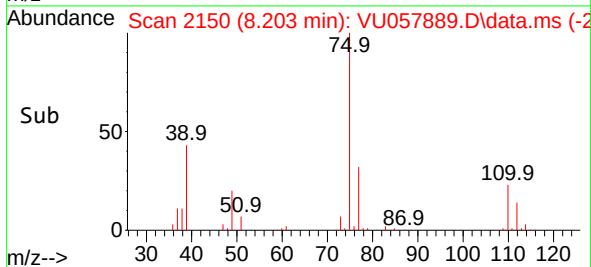
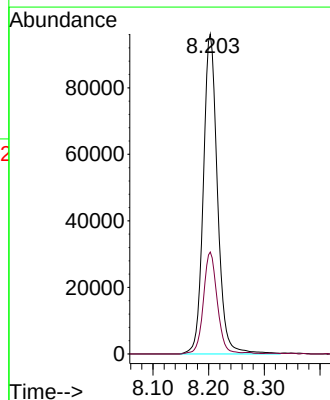
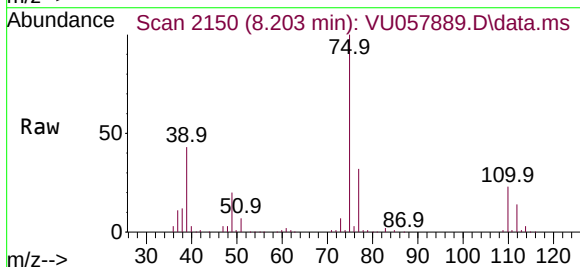
Acq: 20 Feb 2024 08:59

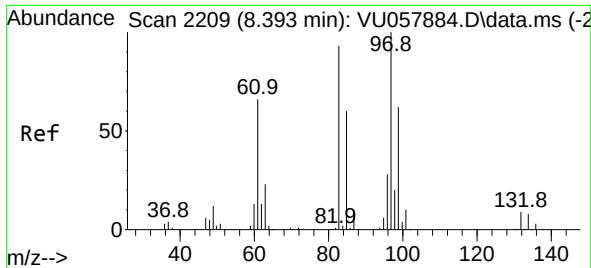
Tgt Ion: 75 Resp: 170043

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.4



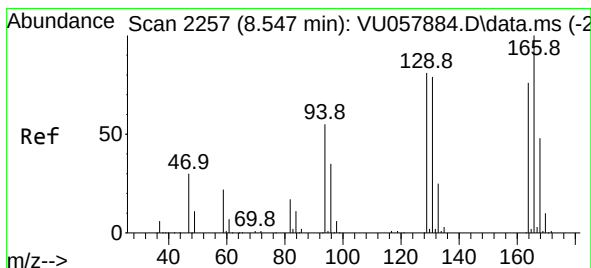
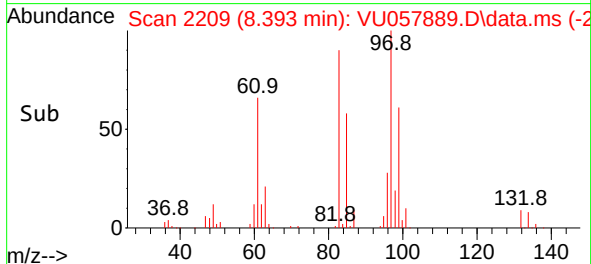
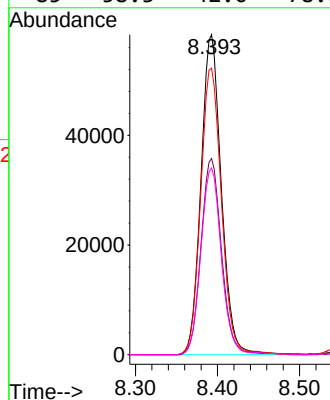
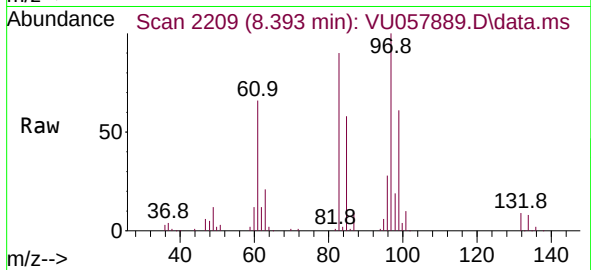


#45
1,1,2-Trichloroethane
Concen: 42.753 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 100511

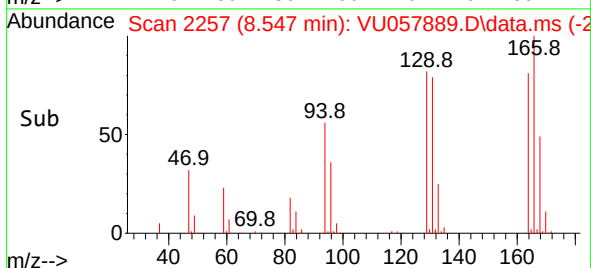
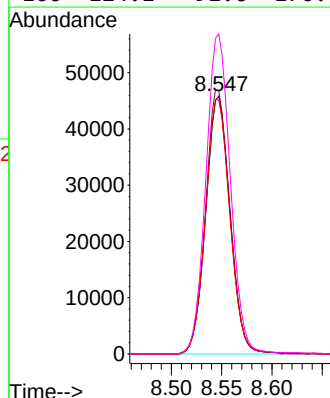
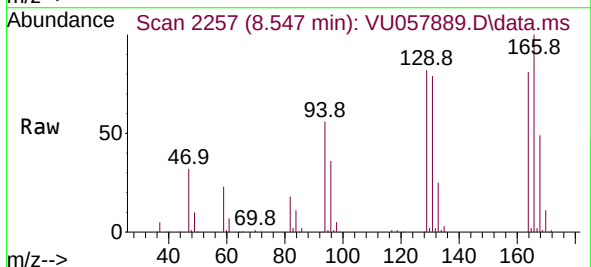
Ion	Ratio	Lower	Upper
97	100		
99	61.3	43.0	80.0
83	89.6	65.0	120.6
85	58.3	42.0	78.0

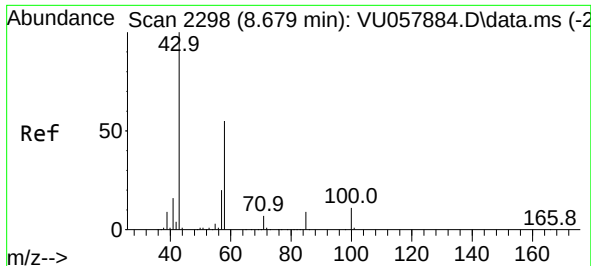


#46
Tetrachloroethene
Concen: 46.354 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

Tgt Ion: 164 Resp: 76893

Ion	Ratio	Lower	Upper
164	100		
129	102.1	74.1	137.7
131	98.6	72.0	133.6
166	124.1	91.6	170.0

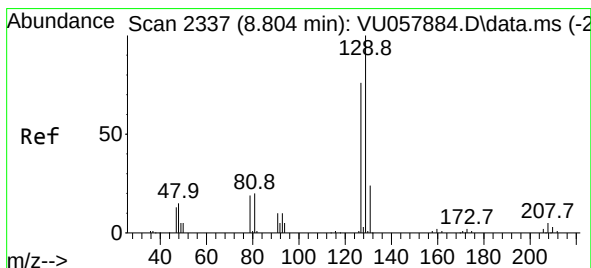
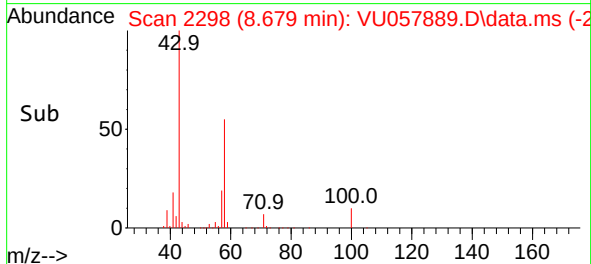
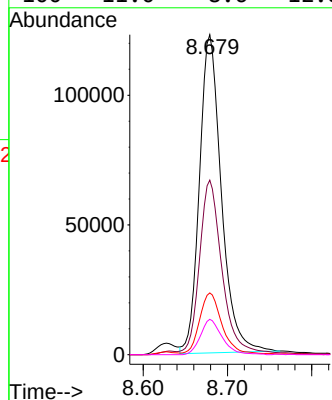
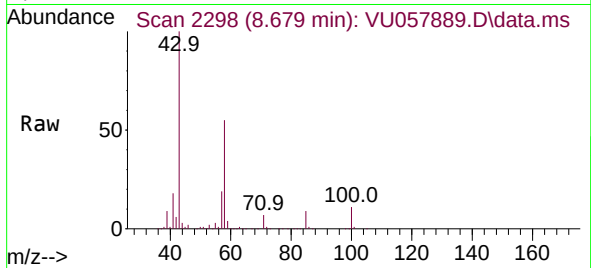




#48
2-Hexanone
Concen: 81.869 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

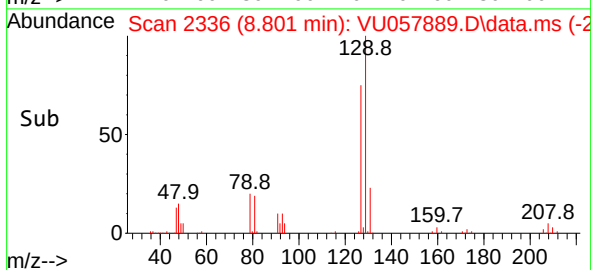
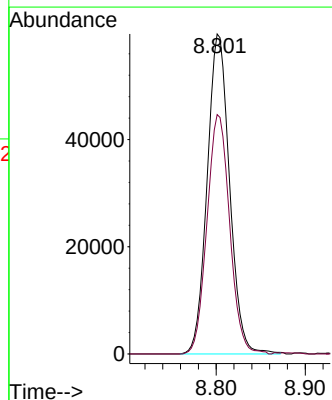
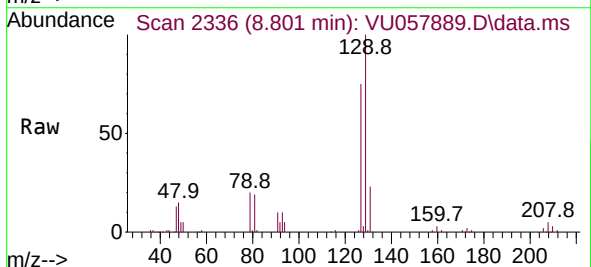
Instrument :
MSVOA_U
ClientSampleId :

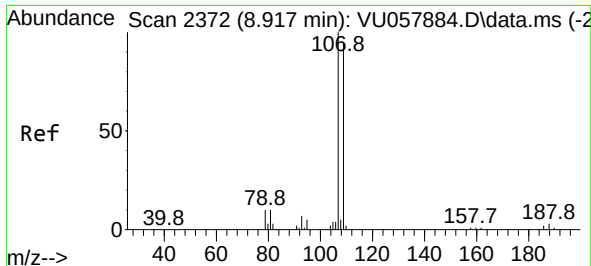
Tgt Ion: 43 Resp: 222560
Ion Ratio Lower Upper
43 100
58 56.0 43.8 65.8
57 19.3 15.5 23.3
100 11.0 8.6 12.8



#49
Dibromochloromethane
Concen: 44.546 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.003 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

Tgt Ion: 129 Resp: 104294
Ion Ratio Lower Upper
129 100
127 74.8 53.3 99.1

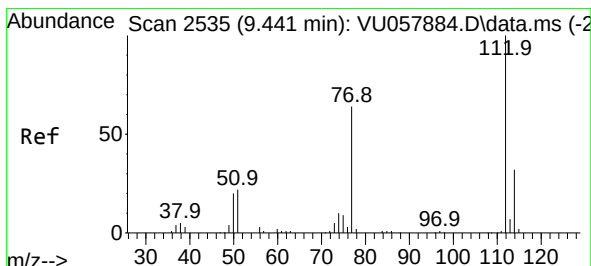
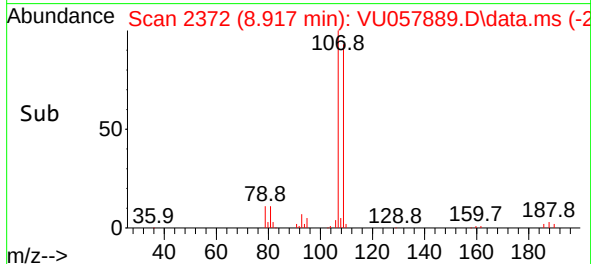
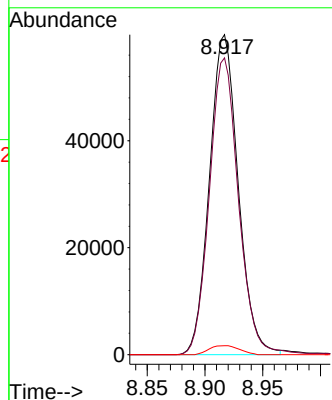
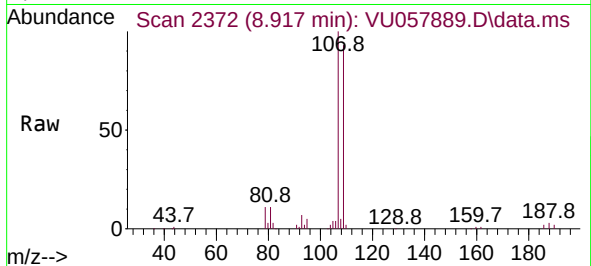




#50
1,2-Dibromoethane
Concen: 41.897 ug/L
RT: 8.917 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

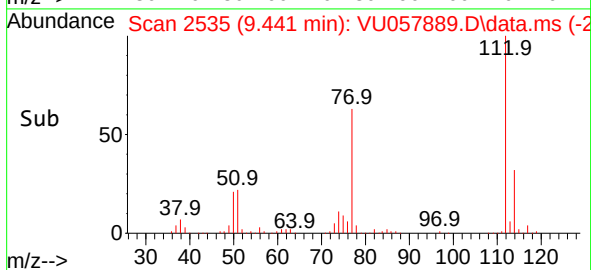
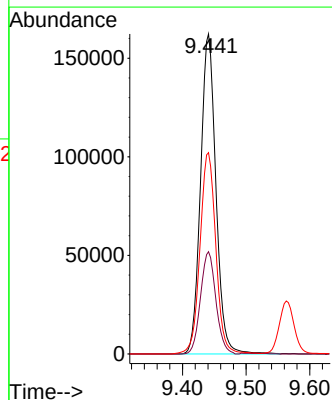
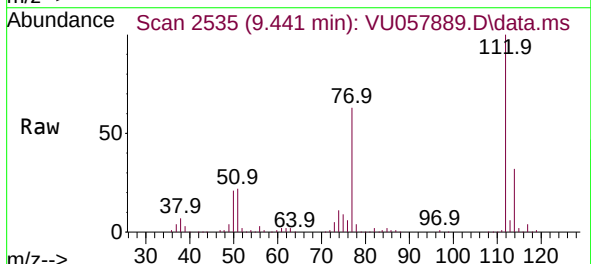
Instrument :
MSVOA_U
ClientSampleId :

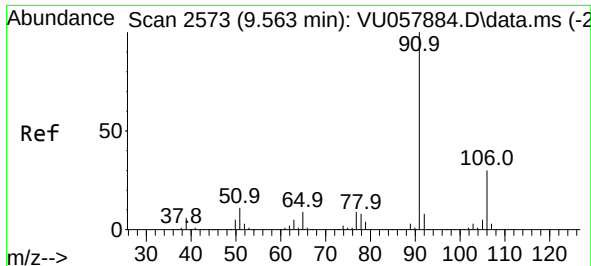
Tgt Ion:107 Resp: 103711
Ion Ratio Lower Upper
107 100
109 92.7 66.1 122.8
188 2.8 2.6 3.8



#51
Chlorobenzene
Concen: 44.156 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

Tgt Ion:112 Resp: 272488
Ion Ratio Lower Upper
112 100
114 32.0 22.7 42.1
77 62.9 51.8 77.8

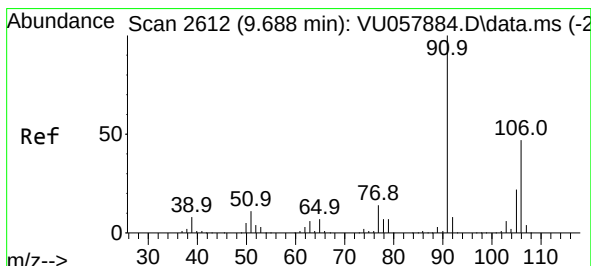
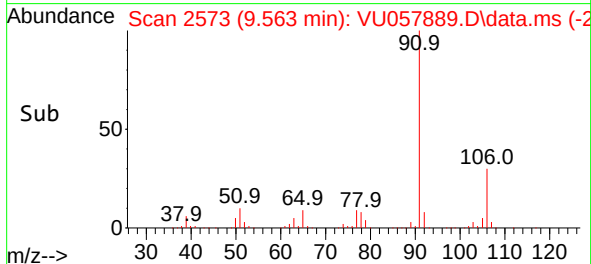
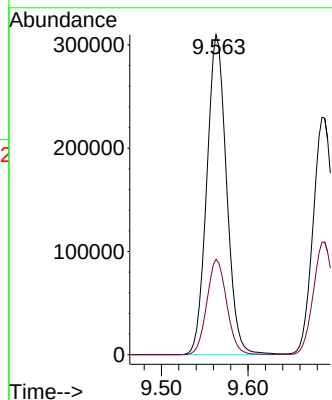
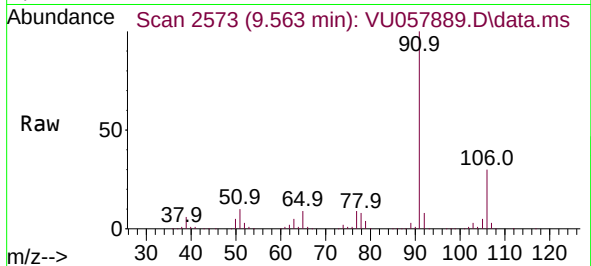




#52
Ethylbenzene
Concen: 45.169 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

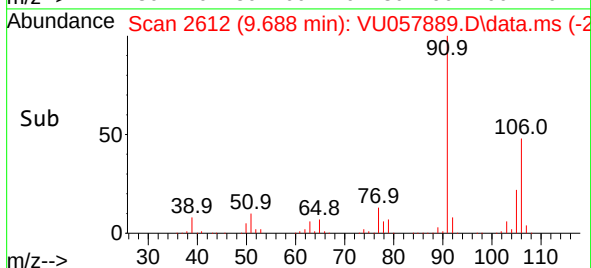
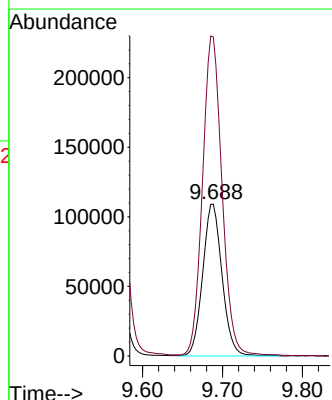
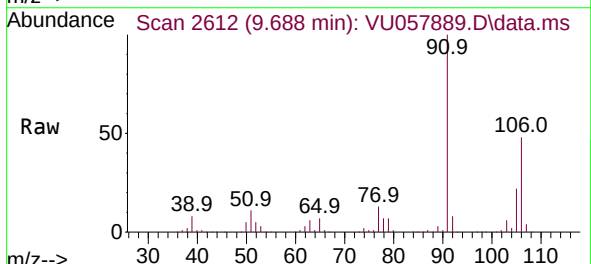
Instrument :
MSVOA_U
ClientSampleId :

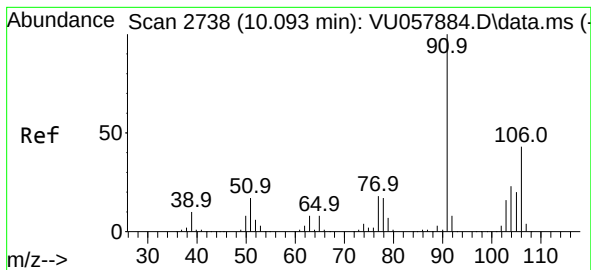
Tgt Ion: 91 Resp: 491514
Ion Ratio Lower Upper
91 100
106 29.8 21.1 39.1



#53
m,p-Xylene
Concen: 46.491 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

Tgt Ion: 106 Resp: 183979
Ion Ratio Lower Upper
106 100
91 210.1 150.2 279.0





#54

o-Xylene

Concen: 45.439 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

Instrument :

MSVOA_U

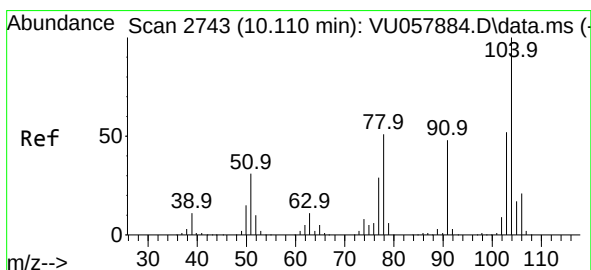
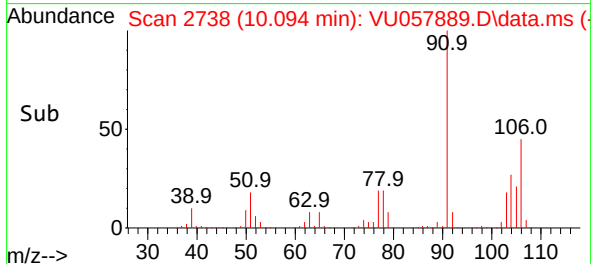
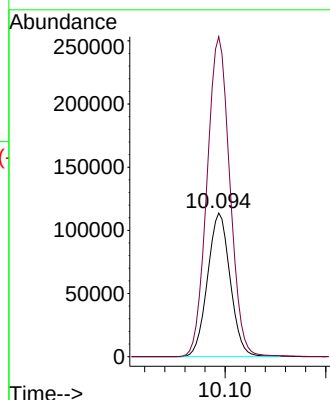
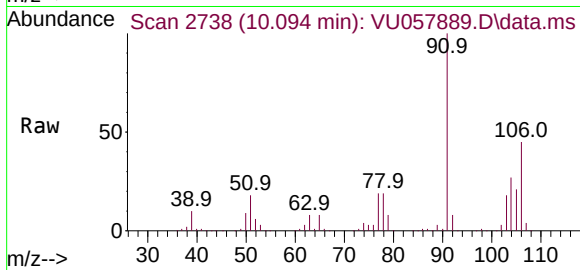
ClientSampleId :

Tgt Ion:106 Resp: 177666

Ion Ratio Lower Upper

106 100

91 222.8 161.3 299.5



#55

Styrene

Concen: 45.025 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU057889.D

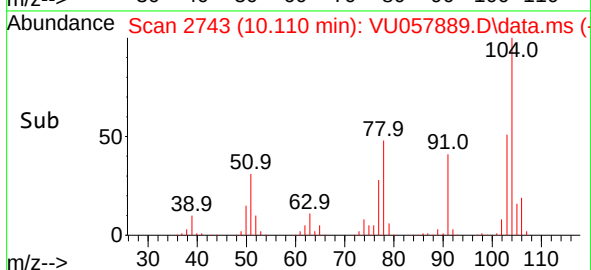
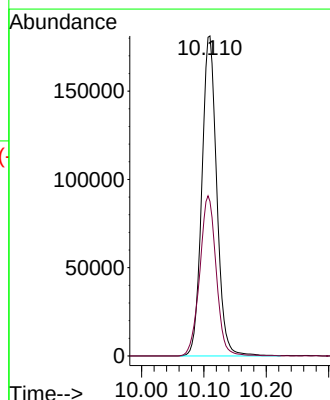
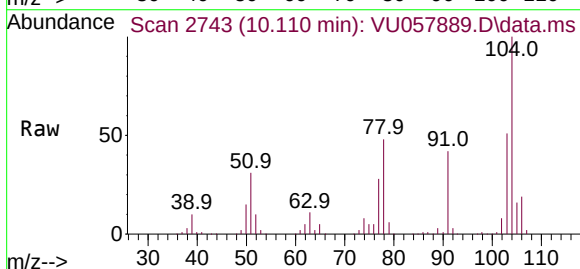
Acq: 20 Feb 2024 08:59

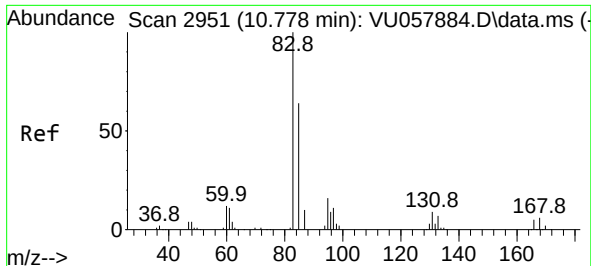
Tgt Ion:104 Resp: 301891

Ion Ratio Lower Upper

104 100

78 48.3 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 40.263 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

Instrument :

MSVOA_U

ClientSampleId :

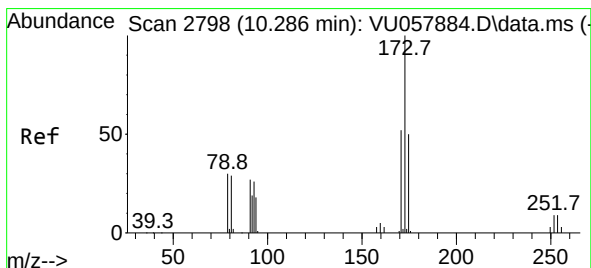
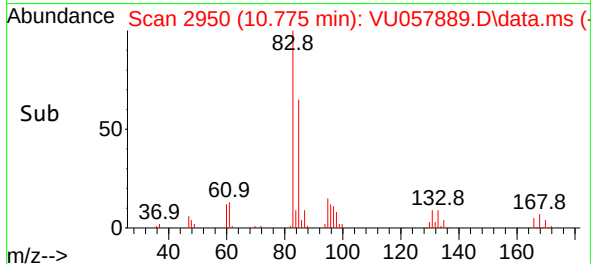
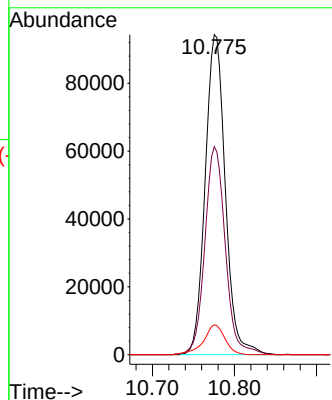
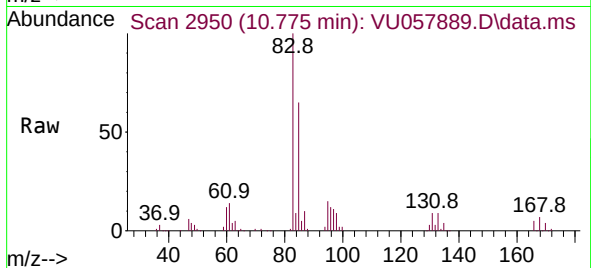
Tgt Ion: 83 Resp: 161249

Ion Ratio Lower Upper

83 100

85 65.0 45.2 84.0

131 9.3 7.8 11.6



#59

Bromoform

Concen: 44.328 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

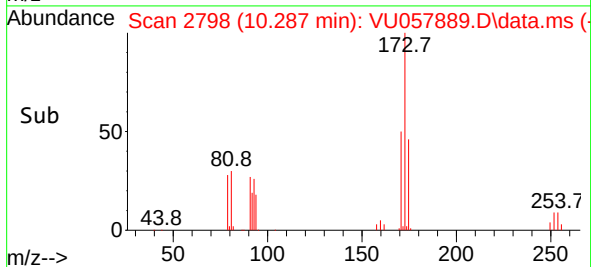
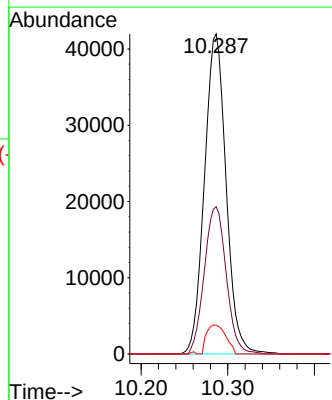
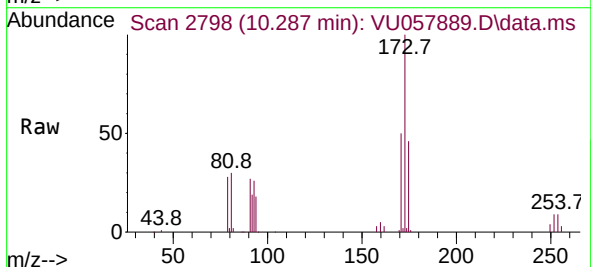
Tgt Ion:173 Resp: 72724

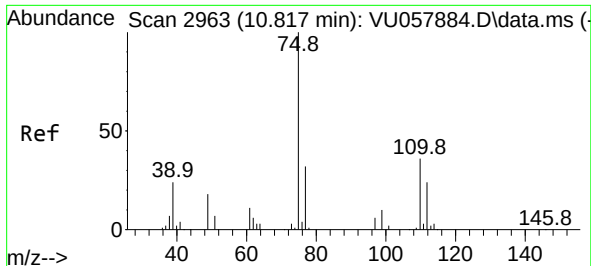
Ion Ratio Lower Upper

173 100

175 46.6 38.8 58.2

254 8.1 1.0 1.6#

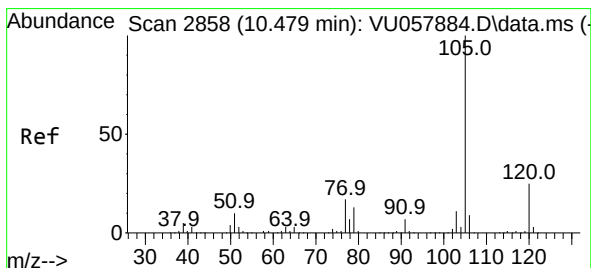
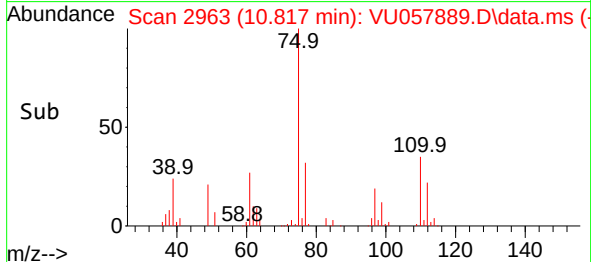
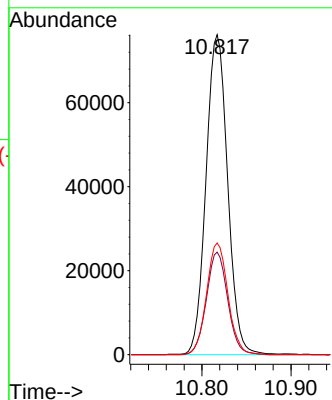
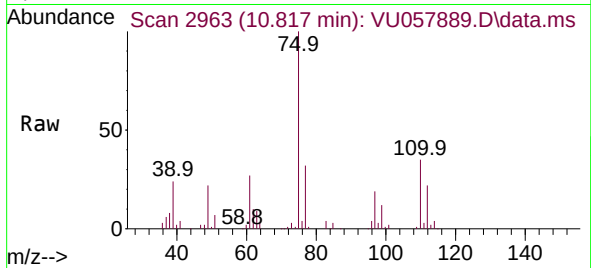




#60
1,2,3-Trichloropropane
Concen: 41.446 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

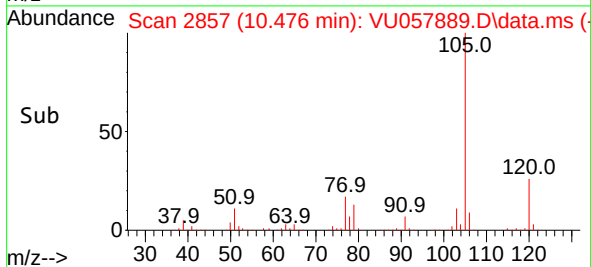
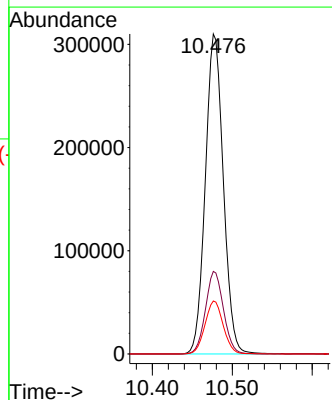
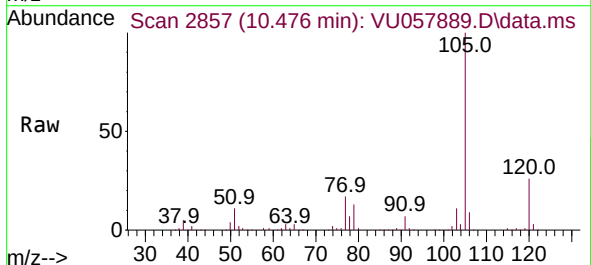
Instrument :
MSVOA_U
ClientSampleId :

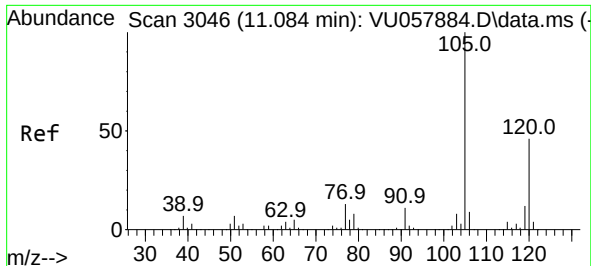
Tgt Ion: 75 Resp: 128332
Ion Ratio Lower Upper
75 100
77 31.7 25.9 38.9
110 34.5 28.3 42.5



#61
Isopropylbenzene
Concen: 46.521 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.003 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

Tgt Ion: 105 Resp: 485889
Ion Ratio Lower Upper
105 100
120 25.8 20.5 30.7
77 16.8 13.5 20.3





#62

1,3,5-Trimethylbenzene

Concen: 46.377 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.003 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

Instrument :

MSVOA_U

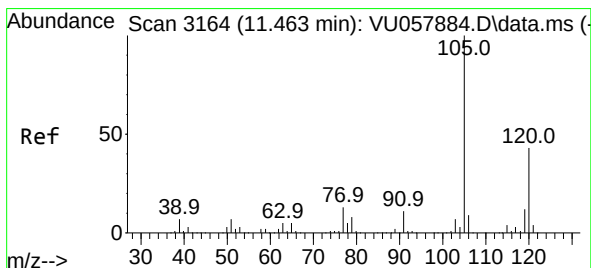
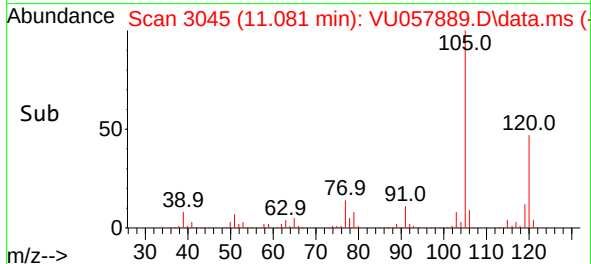
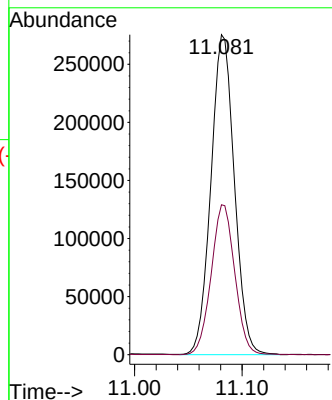
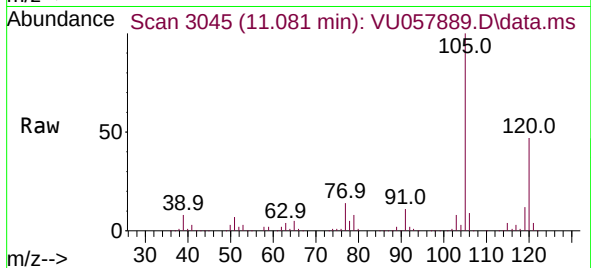
ClientSampleId :

Tgt Ion:105 Resp: 417324

Ion Ratio Lower Upper

105 100

120 47.0 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 46.518 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.003 min

Lab File: VU057889.D

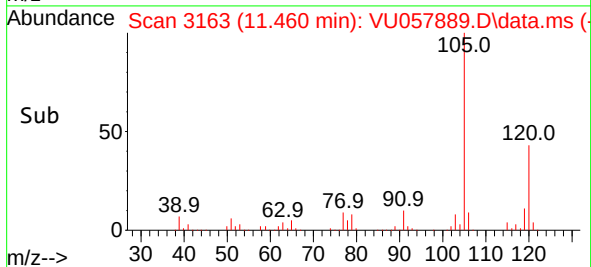
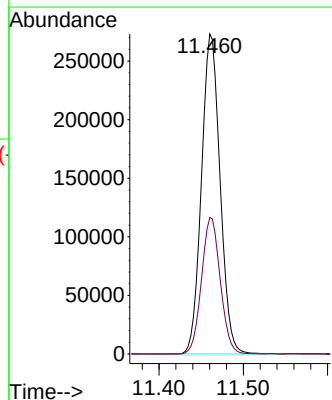
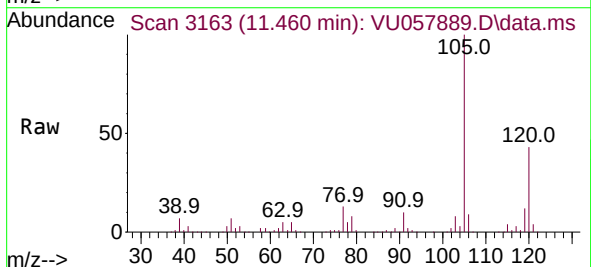
Acq: 20 Feb 2024 08:59

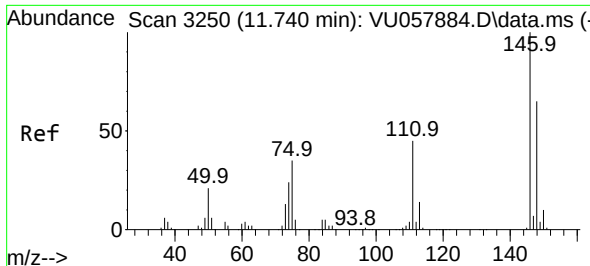
Tgt Ion:105 Resp: 420615

Ion Ratio Lower Upper

105 100

120 42.9 34.8 52.2

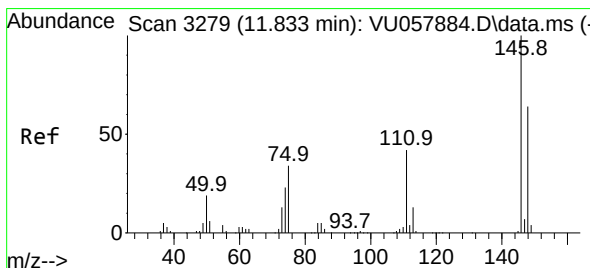
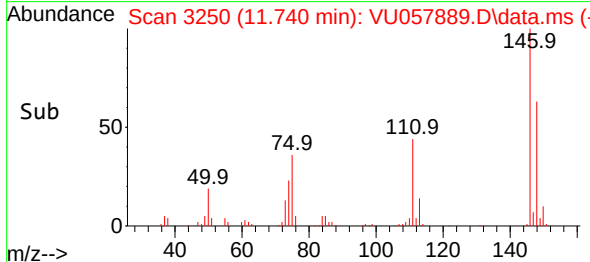
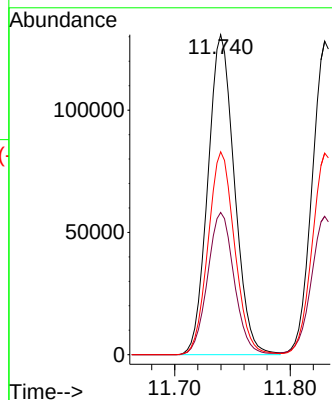
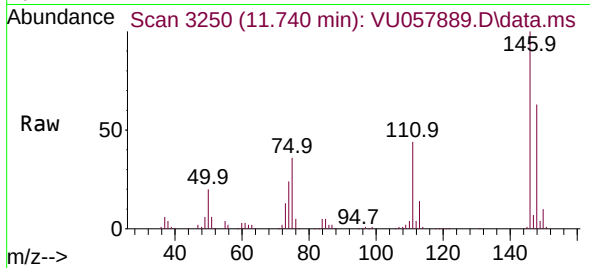




#64
1,3-Dichlorobenzene
Concen: 45.305 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

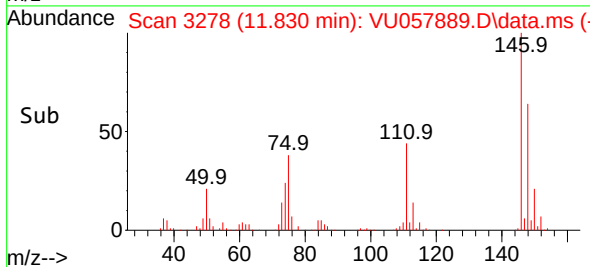
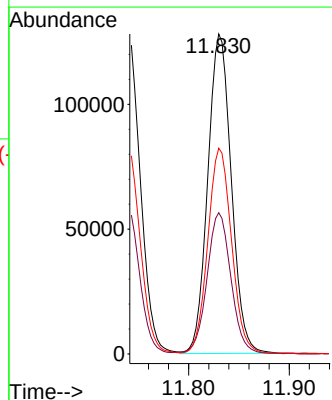
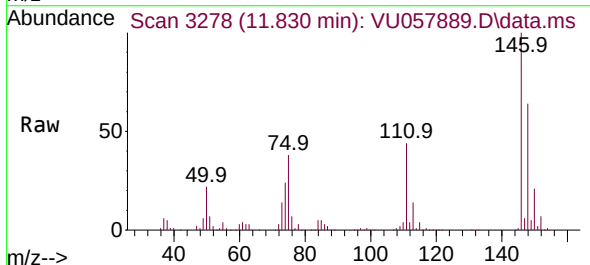
Instrument :
MSVOA_U
ClientSampleId :

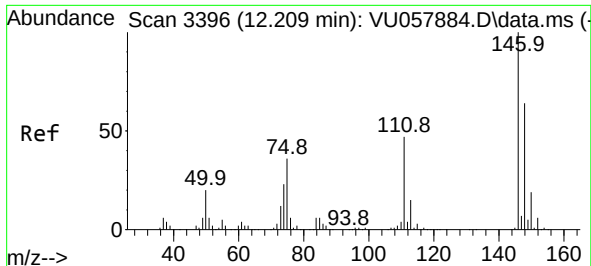
Tgt Ion:146 Resp: 209220
Ion Ratio Lower Upper
146 100
111 44.4 31.6 58.6
148 63.4 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 44.210 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU057889.D
Acq: 20 Feb 2024 08:59

Tgt Ion:146 Resp: 207982
Ion Ratio Lower Upper
146 100
111 44.1 29.9 55.5
148 64.3 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 45.019 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

Instrument :

MSVOA_U

ClientSampleId :

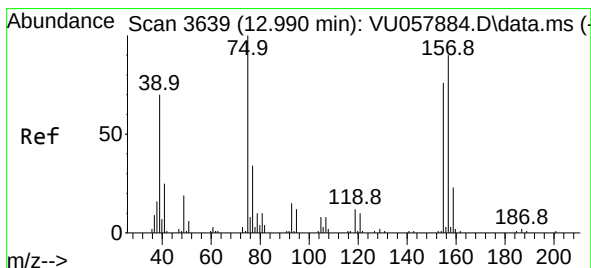
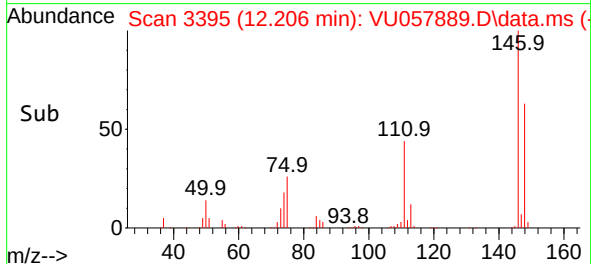
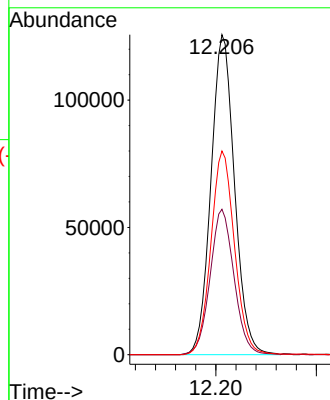
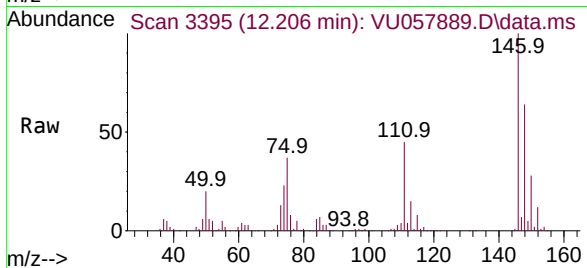
Tgt Ion:146 Resp: 204534

Ion Ratio Lower Upper

146 100

111 45.4 37.3 55.9

148 63.7 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 38.052 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

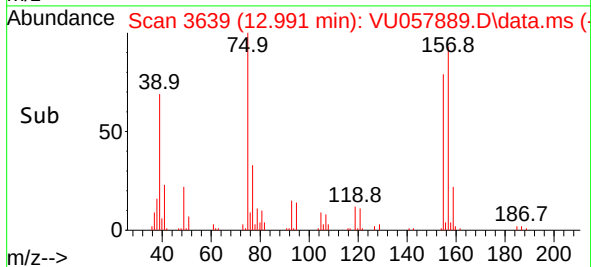
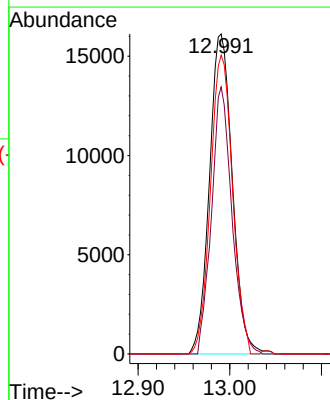
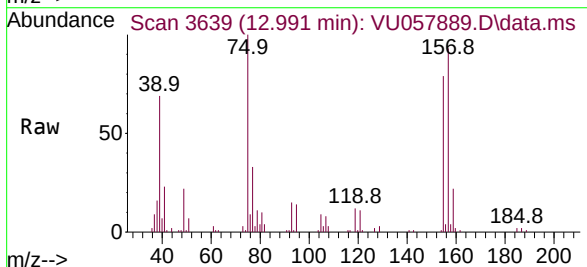
Tgt Ion: 75 Resp: 27974

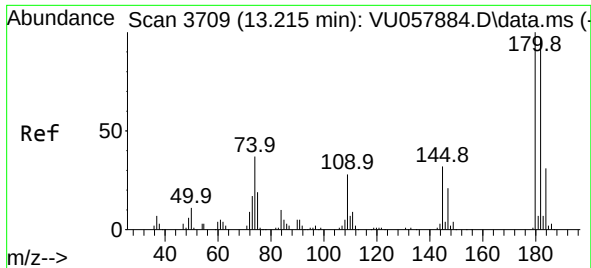
Ion Ratio Lower Upper

75 100

155 83.5 63.2 94.8

157 97.5 74.6 112.0





#69

1,3,5-Trichlorobenzene

Concen: 45.562 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.003 min

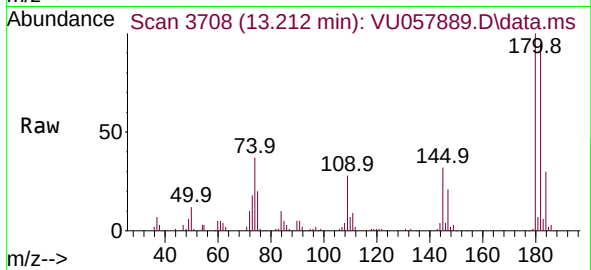
Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 141517

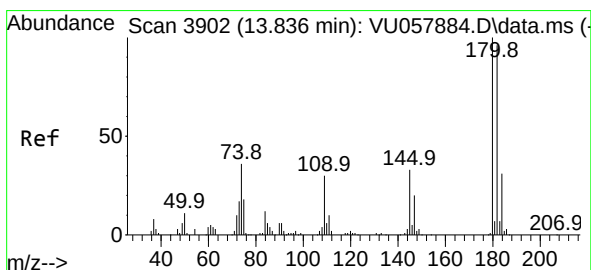
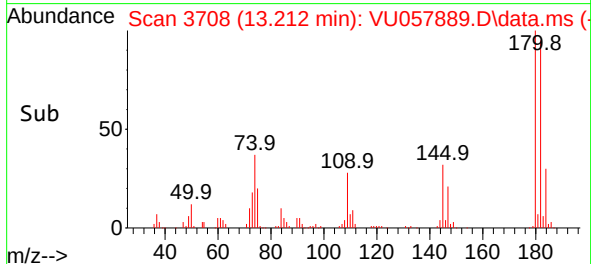
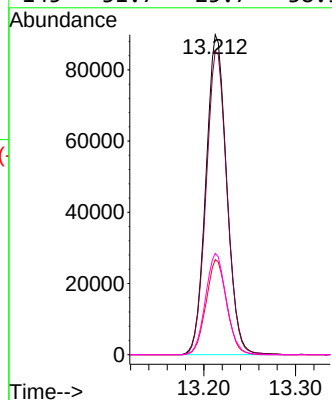
Ion Ratio Lower Upper

180 100

182 95.4 77.6 116.4

184 29.6 24.1 36.1

145 31.7 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 44.568 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

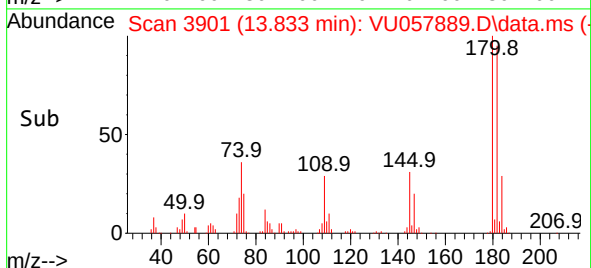
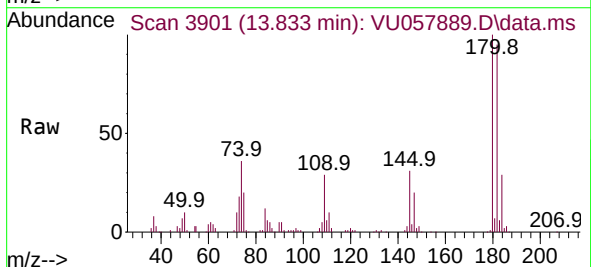
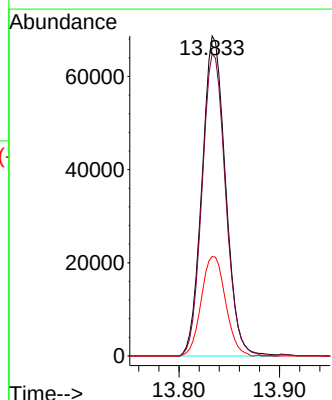
Tgt Ion:180 Resp: 111455

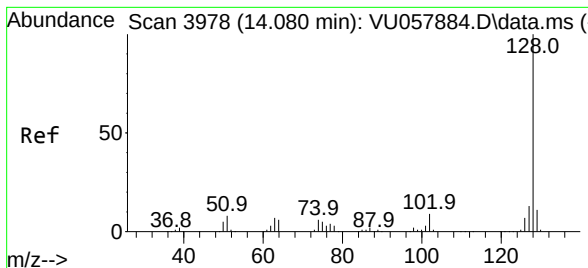
Ion Ratio Lower Upper

180 100

182 94.4 75.8 113.6

145 32.0 25.9 38.9





#71

Naphthalene

Concen: 36.883 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

Instrument :

MSVOA_U

ClientSampleId :

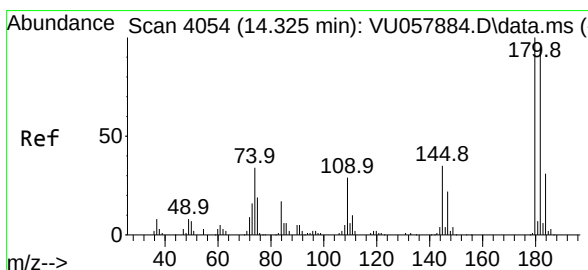
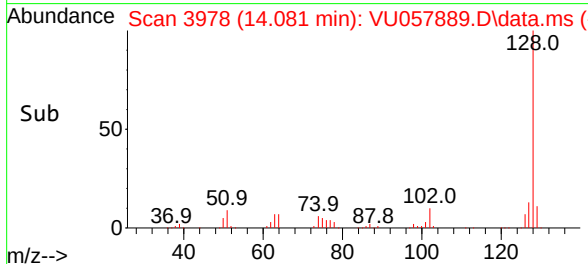
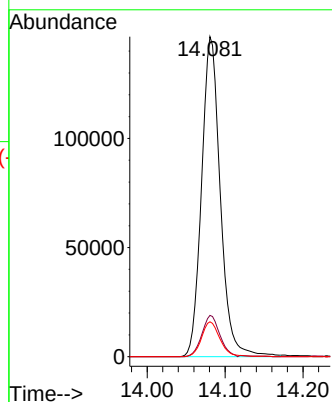
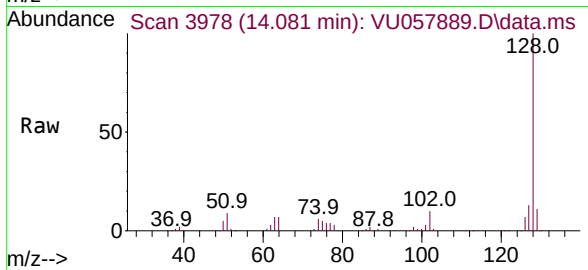
Tgt Ion:128 Resp: 244938

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.4

129 10.7 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 40.712 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU057889.D

Acq: 20 Feb 2024 08:59

Tgt Ion:180 Resp: 93514

Ion Ratio Lower Upper

180 100

182 96.4 75.4 113.2

145 35.3 27.8 41.8

