

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021524\
 Data File : VU057875.D
 Acq On : 15 Feb 2024 15:34
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 15 21:31:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 15 21:28:35 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	250976	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	240362	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	129786	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	96125	47.851	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.700%
7) Chloroethane-d5	1.882	69	74158	47.586	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.180%
11) 1,1-Dichloroethene-d2	2.557	63	174237	47.226	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.460%
21) 2-Butanone-d5	4.611	46	96955	86.967	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.970%
24) Chloroform-d	5.052	84	174612	49.000	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.000%
26) 1,2-Dichloroethane-d4	5.689	65	112294	49.710	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.420%
32) Benzene-d6	5.717	84	341960	47.093	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.180%
36) 1,2-Dichloropropane-d6	6.682	67	112363	49.000	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.000%
41) Toluene-d8	7.891	98	305776	46.449	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.900%
43) trans-1,3-Dichloroprop...	8.174	79	53406	47.609	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.220%
47) 2-Hexanone-d5	8.627	63	91277	97.519	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.520%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	157894	52.895	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	117142	46.980	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	118372	53.347	ug/L	99
3) Chloromethane	1.515	50	118720	57.209	ug/L	100
5) Vinyl chloride	1.602	62	121324	55.336	ug/L	99
6) Bromomethane	1.824	94	41271	30.599	ug/L	98
8) Chloroethane	1.904	64	71288	54.466	ug/L	98
9) Trichlorofluoromethane	2.120	101	157558	51.395	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	93455	51.648	ug/L	99
12) 1,1-Dichloroethene	2.566	96	84009	50.836	ug/L	95
13) Acetone	2.611	43	114320	79.820	ug/L	100
14) Carbon disulfide	2.782	76	256272	50.219	ug/L	100
15) Methyl Acetate	2.933	43	97203	53.347	ug/L	95
16) Methylene chloride	3.033	84	98824	51.759	ug/L	94
17) trans-1,2-Dichloroethene	3.338	96	86914	51.612	ug/L	95
18) Methyl tert-butyl Ether	3.348	73	313830	53.089	ug/L	99
19) 1,1-Dichloroethane	3.856	63	186037	55.049	ug/L	99
20) cis-1,2-Dichloroethene	4.653	96	100343	51.623	ug/L	97
22) 2-Butanone	4.689	43	142334	93.255	ug/L	99
23) Bromochloromethane	4.962	128	48790	51.200	ug/L	96
25) Chloroform	5.074	83	184080	53.188	ug/L	100

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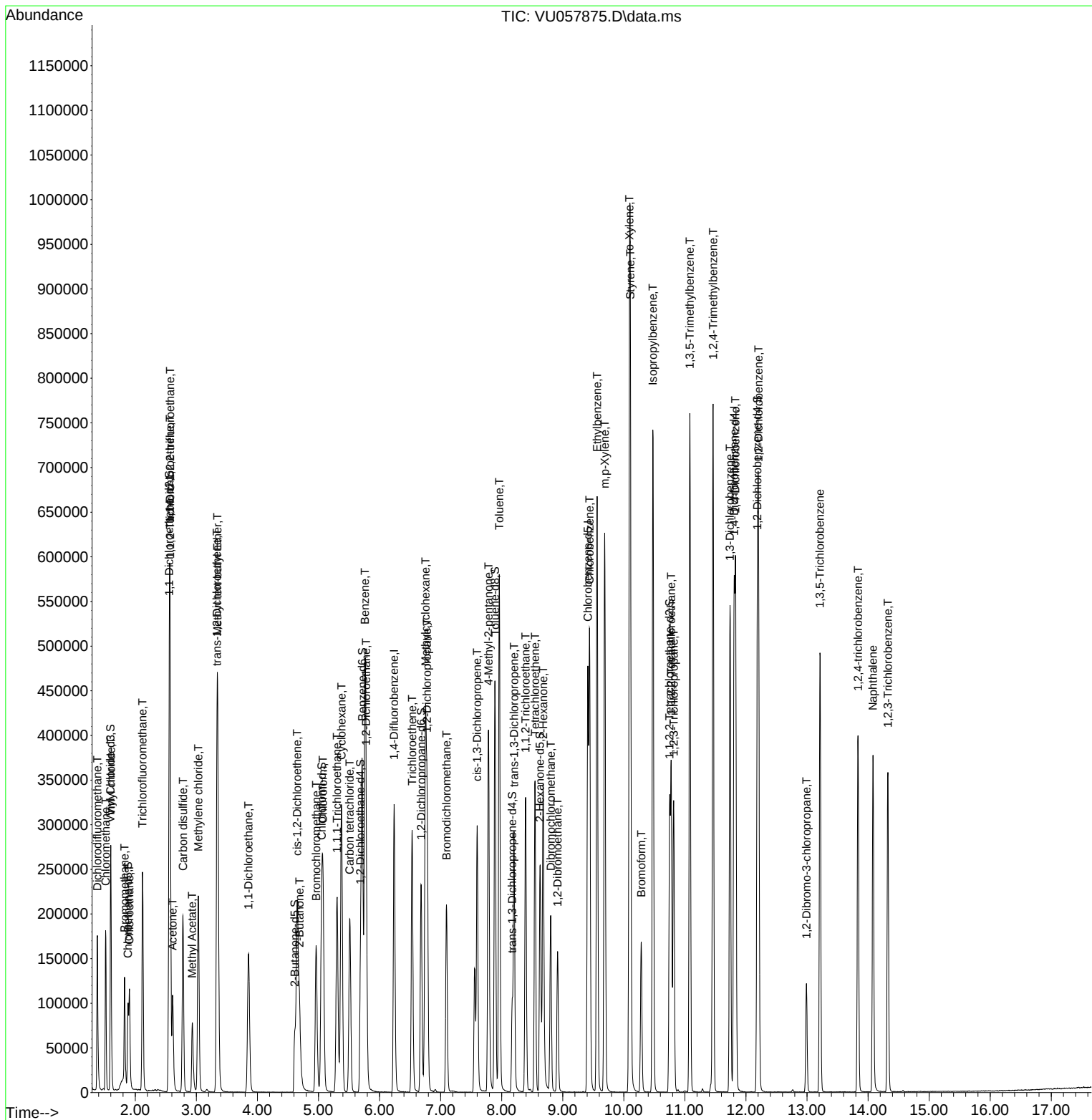
Instrument :
 MSVOA_U
 ClientSampleId :

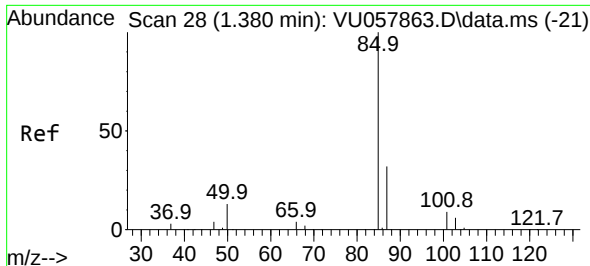
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	150673	52.573	ug/L	99
29) Cyclohexane	5.377	56	168484	53.869	ug/L	95
30) 1,1,1-Trichloroethane	5.306	97	157442	50.783	ug/L	99
31) Carbon tetrachloride	5.512	117	132146	48.955	ug/L	100
33) Benzene	5.762	78	396983	52.174	ug/L	100
34) Trichloroethene	6.534	95	102078	49.892	ug/L	98
35) Methylcyclohexane	6.753	83	166488	50.864	ug/L	95
37) 1,2-Dichloropropane	6.779	63	110872	53.148	ug/L	99
38) Bromodichloromethane	7.097	83	134951	51.379	ug/L	96
39) cis-1,3-Dichloropropene	7.598	75	176218	52.116	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	287074	110.551	ug/L	98
42) Toluene	7.962	91	413647	51.906	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	163106	52.543	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	99383	51.594	ug/L	98
46) Tetrachloroethene	8.547	164	69797	49.183	ug/L	97
48) 2-Hexanone	8.679	43	236495	104.690	ug/L	99
49) Dibromochloromethane	8.804	129	99038	50.978	ug/L	99
50) 1,2-Dibromoethane	8.917	107	102983	50.038	ug/L	100
51) Chlorobenzene	9.441	112	260196	51.411	ug/L	95
52) Ethylbenzene	9.563	91	467346	51.699	ug/L	100
53) m,p-Xylene	9.688	106	173148	52.118	ug/L	95
54) o-Xylene	10.094	106	171574	53.037	ug/L	94
55) Styrene	10.110	104	297683	55.124	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	174332	56.158	ug/L	99
59) Bromoform	10.286	173	73035	48.443	ug/L #	99
60) 1,2,3-Trichloropropane	10.817	75	137054	50.447	ug/L	98
61) Isopropylbenzene	10.476	105	472148	49.798	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	409805	51.506	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	415395	52.163	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	207145	50.424	ug/L	94
65) 1,4-Dichlorobenzene	11.830	146	209651	49.755	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	204742	49.439	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	32278	46.842	ug/L	96
69) 1,3,5-Trichlorobenzene	13.212	180	139941	48.366	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	110656	44.770	ug/L	97
71) Naphthalene	14.080	128	283967	42.858	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	102695	44.405	ug/L	99

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

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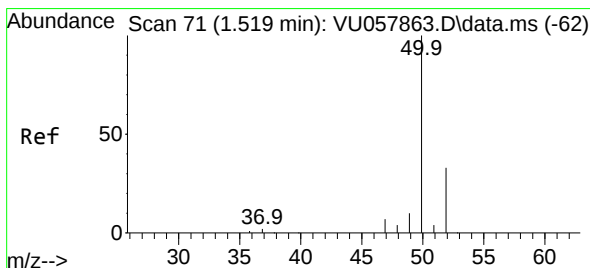
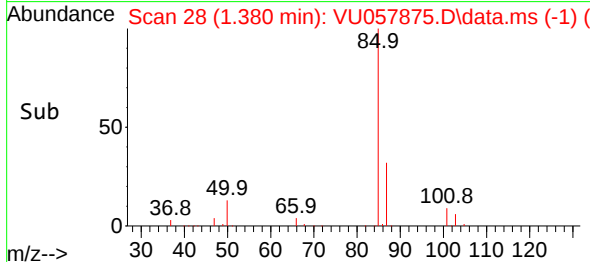
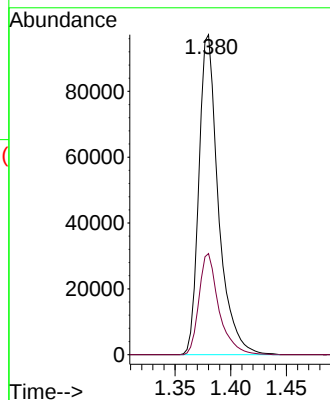
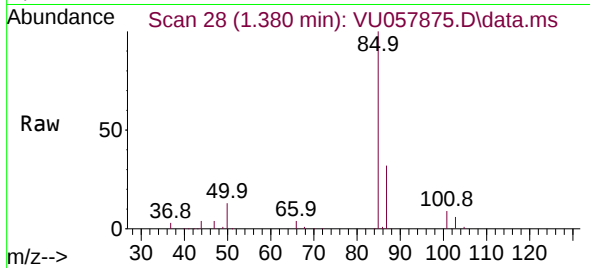




#2
Dichlorodifluoromethane
Concen: 53.347 ug/L
RT: 1.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

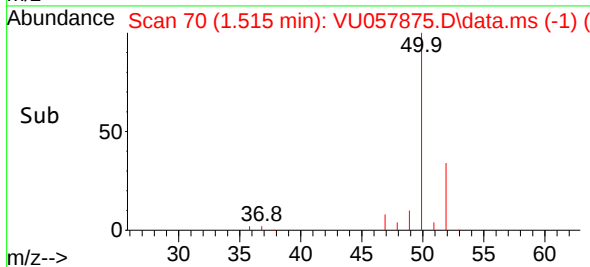
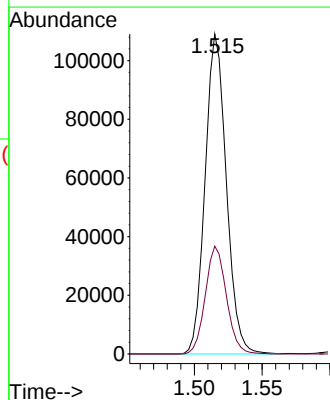
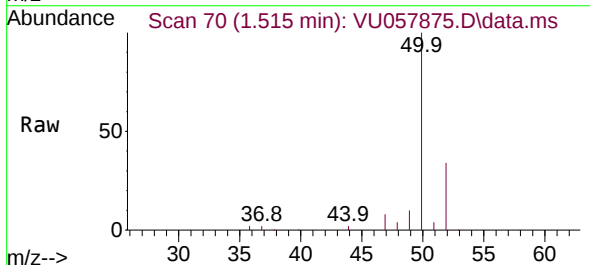
Instrument :
MSVOA_U
ClientSampleId :

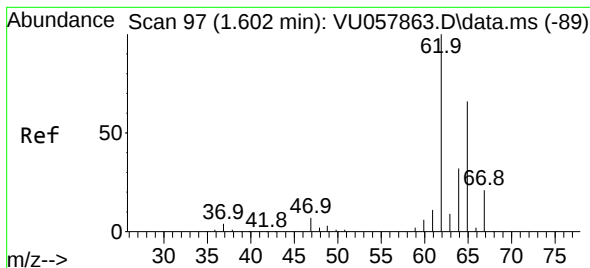
Tgt Ion: 85 Resp: 118372
Ion Ratio Lower Upper
85 100
87 32.2 25.4 38.0



#3
Chloromethane
Concen: 57.209 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

Tgt Ion: 50 Resp: 118720
Ion Ratio Lower Upper
50 100
52 33.7 23.7 43.9





#5

Vinyl chloride

Concen: 55.336 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

Instrument :

MSVOA_U

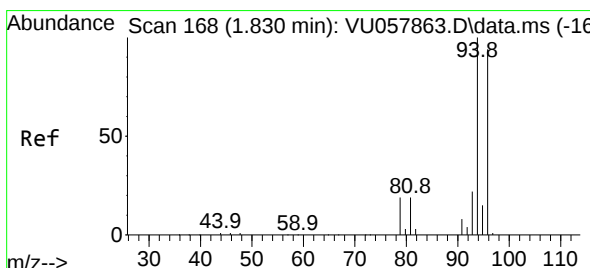
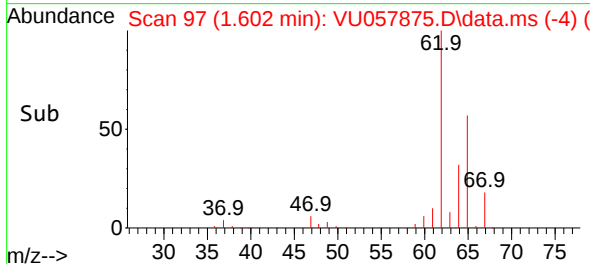
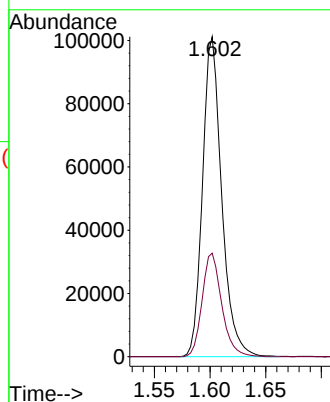
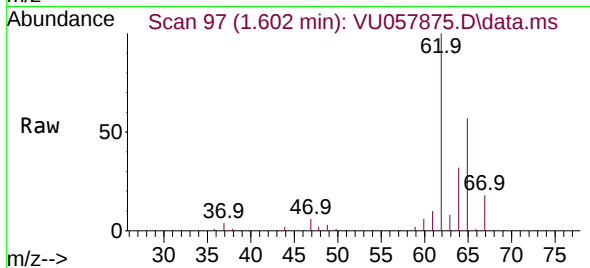
ClientSampleId :

Tgt Ion: 62 Resp: 121324

Ion Ratio Lower Upper

62 100

64 32.3 22.1 41.1



#6

Bromomethane

Concen: 30.599 ug/L

RT: 1.824 min Scan# 166

Delta R.T. -0.007 min

Lab File: VU057875.D

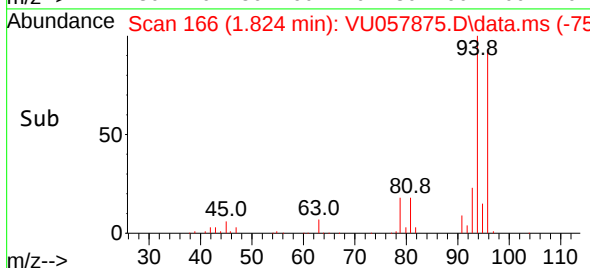
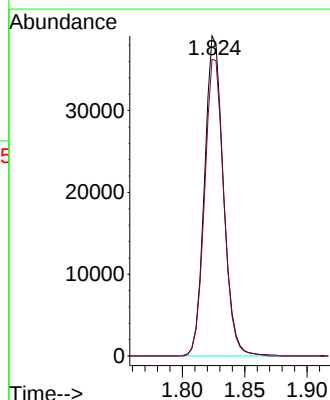
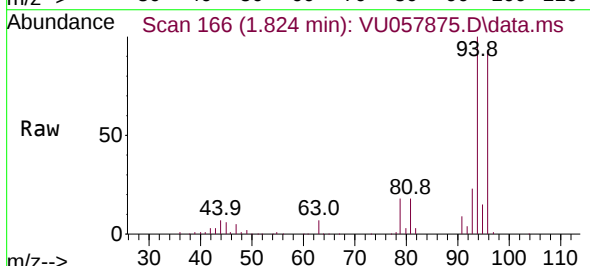
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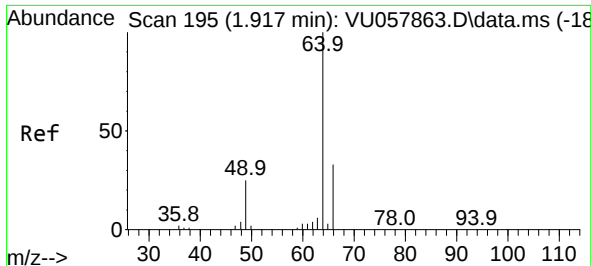
Tgt Ion: 94 Resp: 41271

Ion Ratio Lower Upper

94 100

96 92.8 66.0 122.6





#8

Chloroethane

Concen: 54.466 ug/L

RT: 1.904 min Scan# 19

Delta R.T. -0.013 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

Instrument :

MSVOA_U

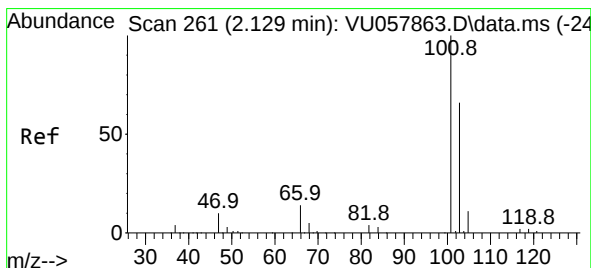
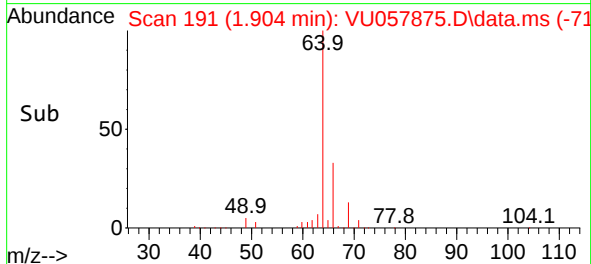
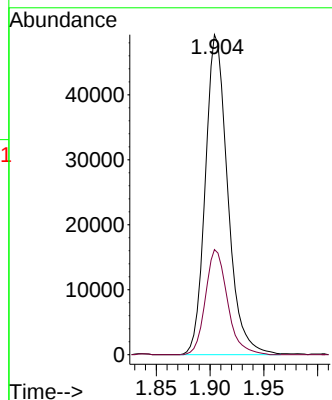
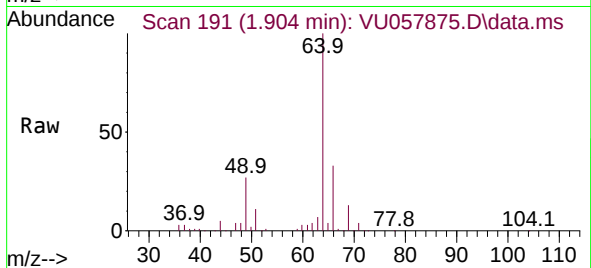
ClientSampleId :

Tgt Ion: 64 Resp: 71288

Ion Ratio Lower Upper

64 100

66 32.9 22.1 41.1



#9

Trichlorofluoromethane

Concen: 51.395 ug/L

RT: 2.120 min Scan# 258

Delta R.T. -0.010 min

Lab File: VU057875.D

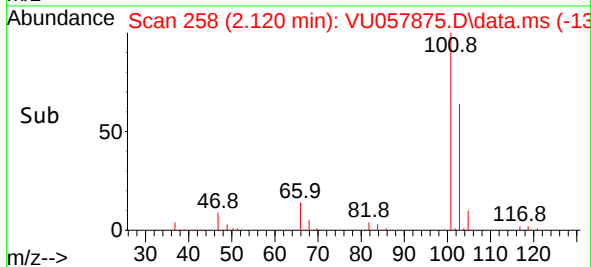
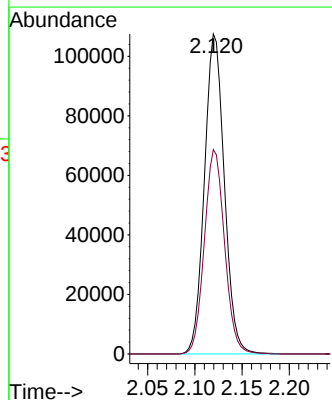
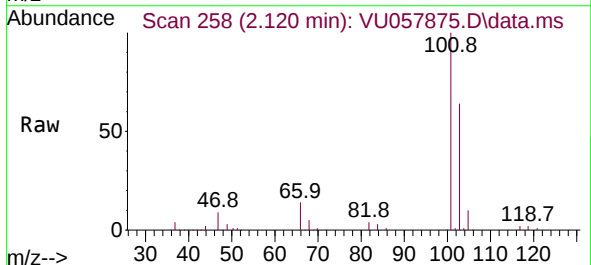
Acq: 15 Feb 2024 15:34

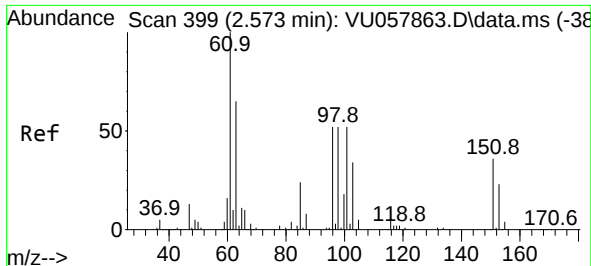
Tgt Ion:101 Resp: 157558

Ion Ratio Lower Upper

101 100

103 64.8 52.4 78.6





#10

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

Concen: 51.648 ug/L

RT: 2.570 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

Instrument :

MSVOA_U

ClientSampleId :

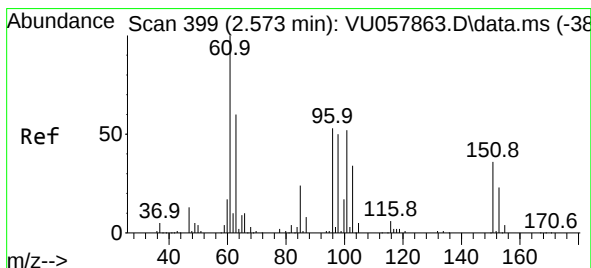
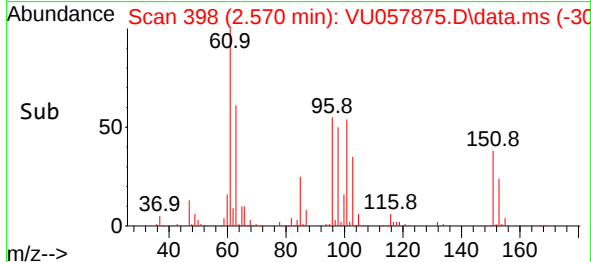
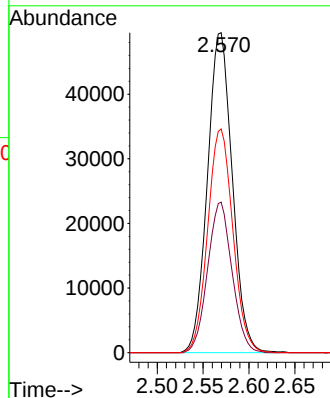
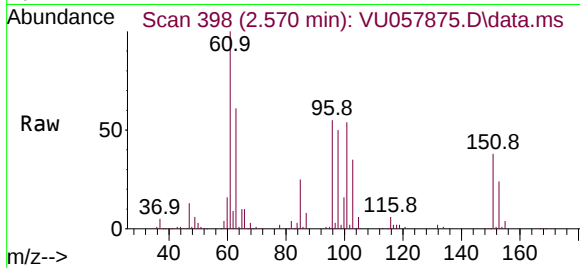
Tgt Ion:101 Resp: 93455

Ion Ratio Lower Upper

101 100

85 46.2 36.1 54.1

151 70.8 55.8 83.6



#12

1,1-Dichloroethene

Concen: 50.836 ug/L

RT: 2.566 min Scan# 397

Delta R.T. -0.007 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

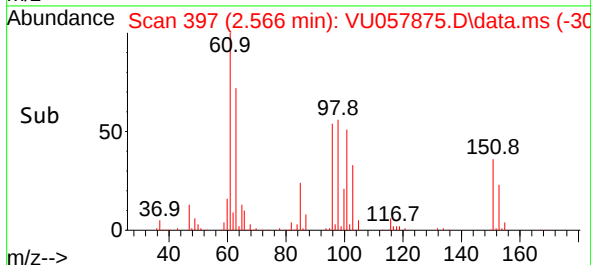
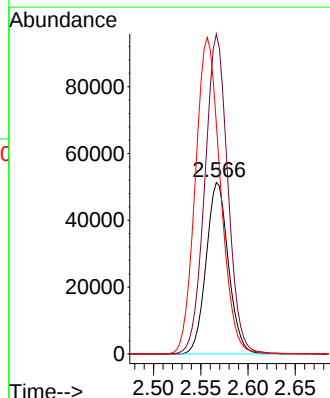
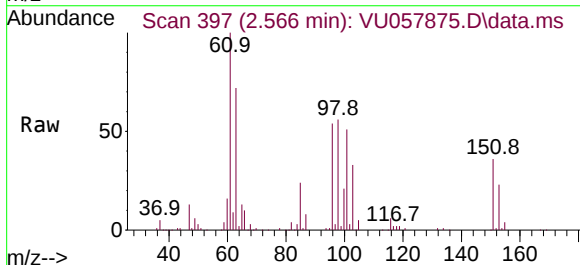
Tgt Ion: 96 Resp: 84009

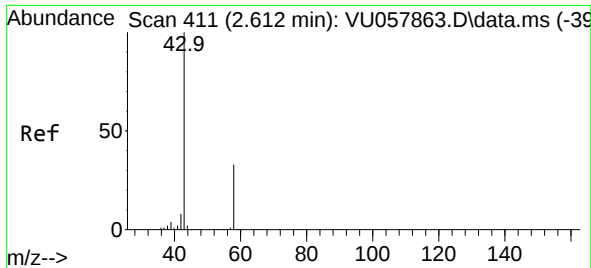
Ion Ratio Lower Upper

96 100

61 186.5 126.3 234.6

63 134.1 89.7 166.7





#13

Acetone

Concen: 79.820 ug/L

RT: 2.611 min Scan# 411

Delta R.T. -0.000 min

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Acq: 15 Feb 2024 15:34

Instrument :

MSVOA_U

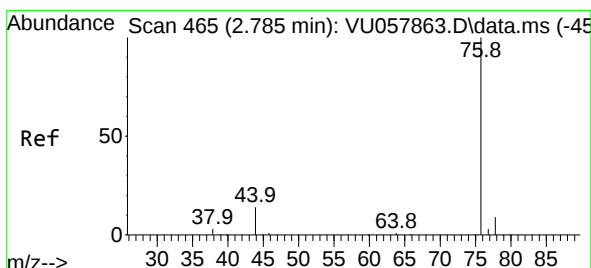
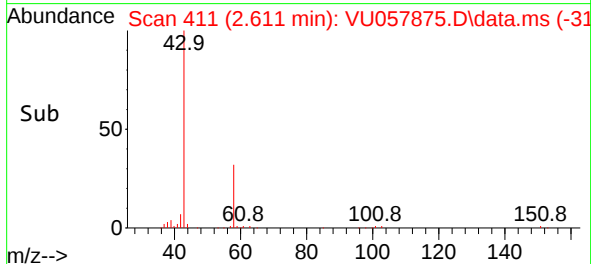
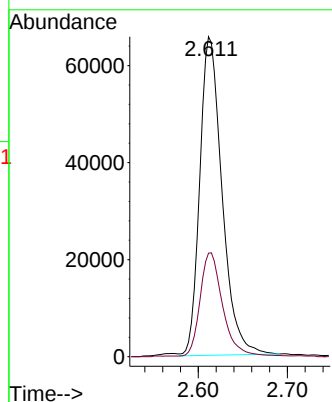
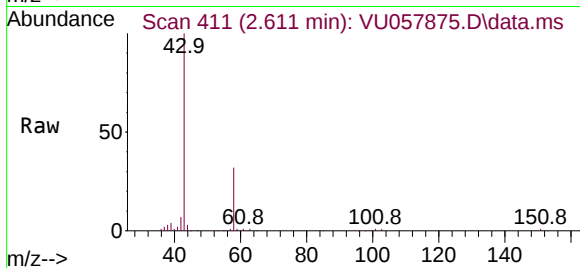
ClientSampleId :

Tgt Ion: 43 Resp: 114320

Ion Ratio Lower Upper

43 100

58 33.0 0.0 65.8



#14

Carbon disulfide

Concen: 50.219 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.003 min

Lab File: VU057875.D

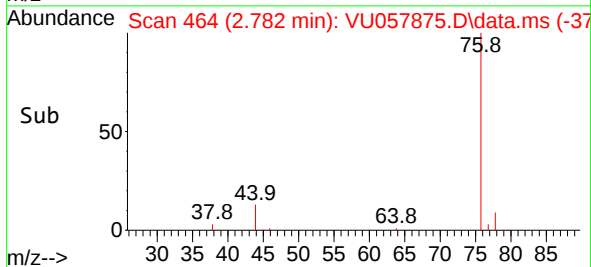
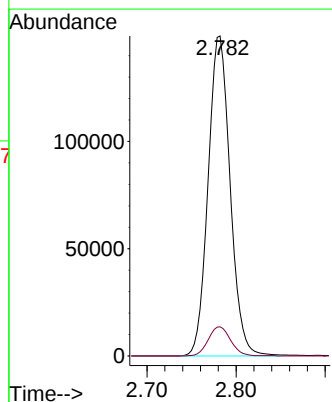
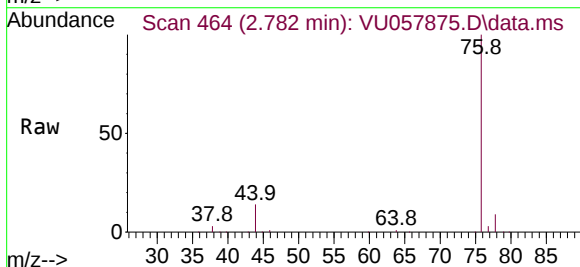
Acq: 15 Feb 2024 15:34

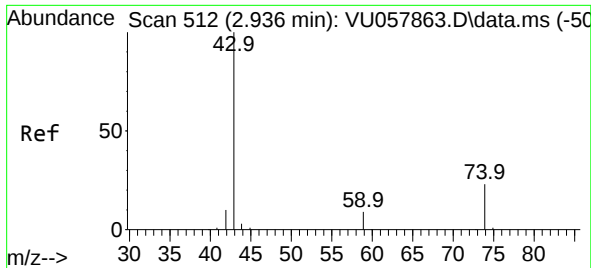
Tgt Ion: 76 Resp: 256272

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

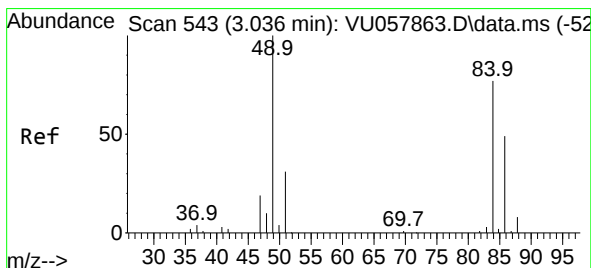
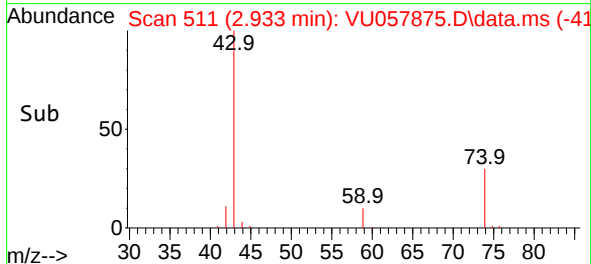
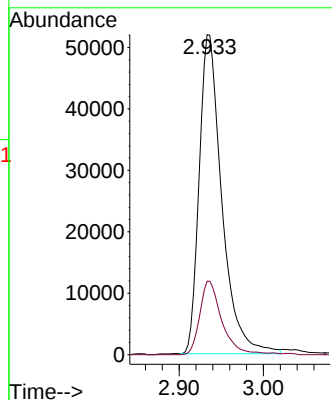
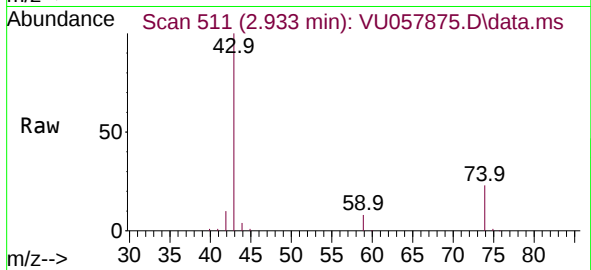




#15
Methyl Acetate
Concen: 53.347 ug/L
RT: 2.933 min Scan# 511
Delta R.T. -0.003 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

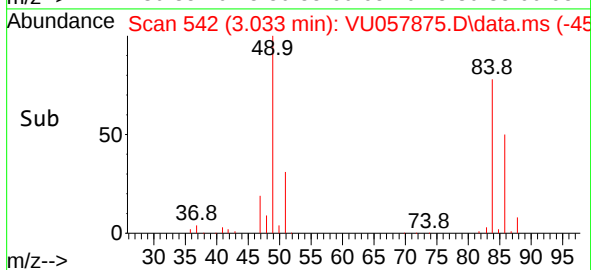
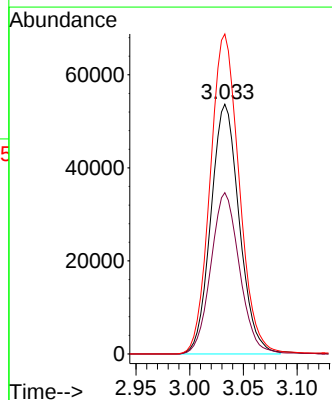
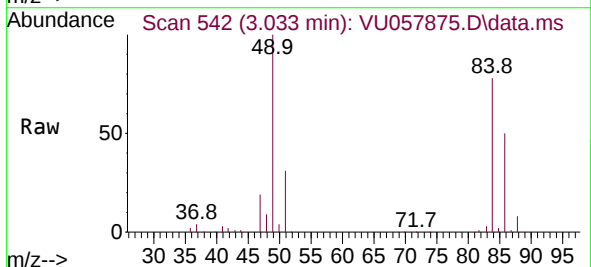
Instrument :
MSVOA_U
ClientSampleId :

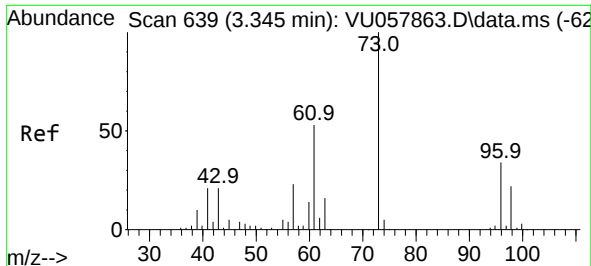
Tgt Ion: 43 Resp: 97203
Ion Ratio Lower Upper
43 100
74 22.3 19.7 29.5



#16
Methylene chloride
Concen: 51.759 ug/L
RT: 3.033 min Scan# 542
Delta R.T. -0.003 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

Tgt Ion: 84 Resp: 98824
Ion Ratio Lower Upper
84 100
86 64.6 43.0 80.0
49 128.1 83.7 155.4

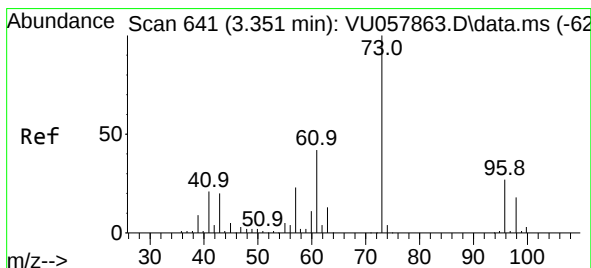
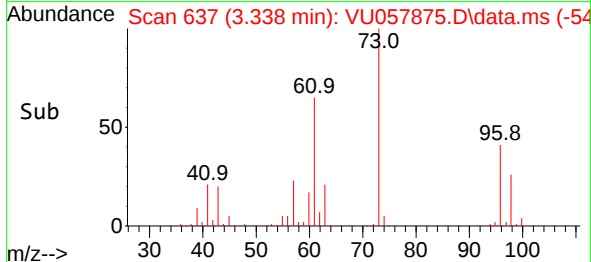
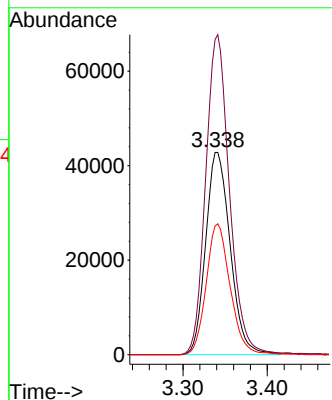
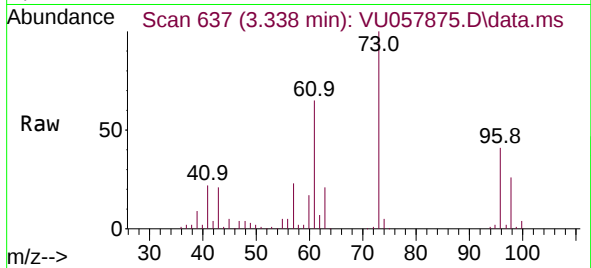




#17
trans-1,2-Dichloroethene
Concen: 51.612 ug/L
RT: 3.338 min Scan# 61
Delta R.T. -0.007 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

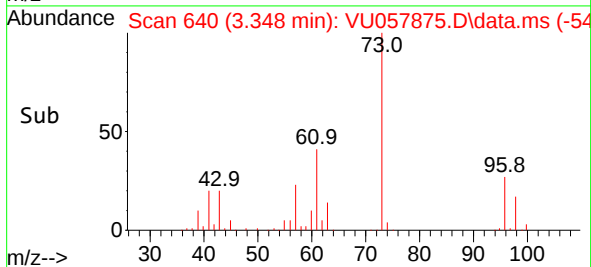
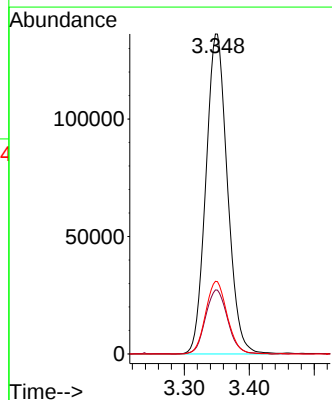
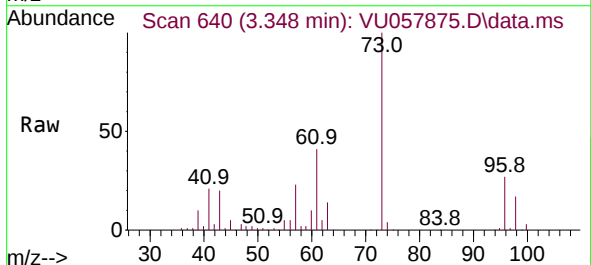
Instrument :
MSVOA_U
ClientSampleId :

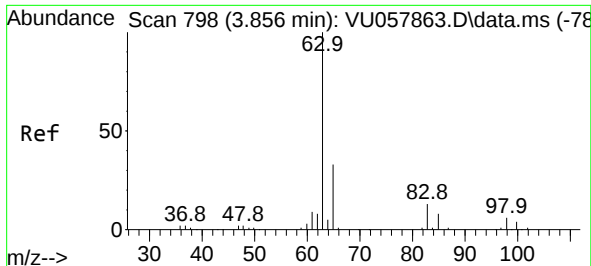
Tgt Ion: 96 Resp: 86914
Ion Ratio Lower Upper
96 100
61 155.8 102.8 190.8
98 63.6 44.2 82.2



#18
Methyl tert-butyl Ether
Concen: 53.089 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

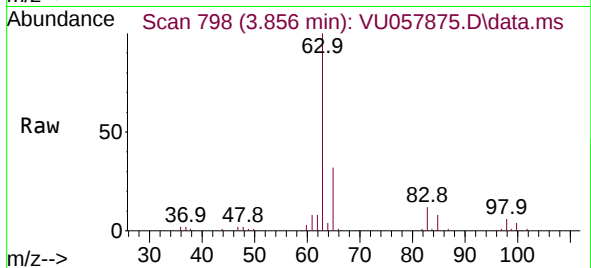
Tgt Ion: 73 Resp: 313830
Ion Ratio Lower Upper
73 100
43 20.6 16.2 24.2
57 22.8 17.6 26.4



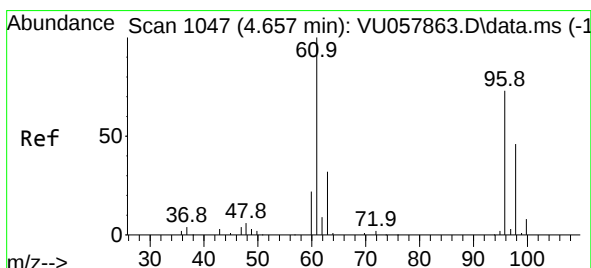
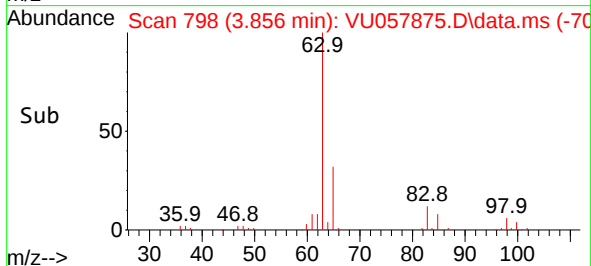
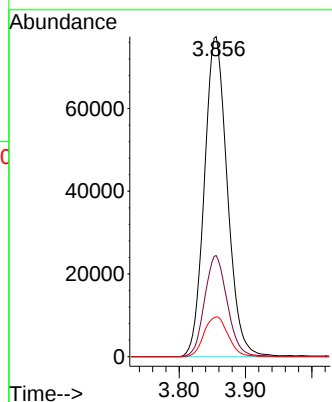


#19
1,1-Dichloroethane
Concen: 55.049 ug/L
RT: 3.856 min Scan# 798
Delta R.T. -0.000 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

Instrument :
MSVOA_U
ClientSampleId :

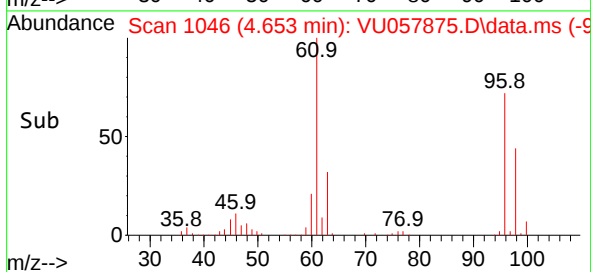
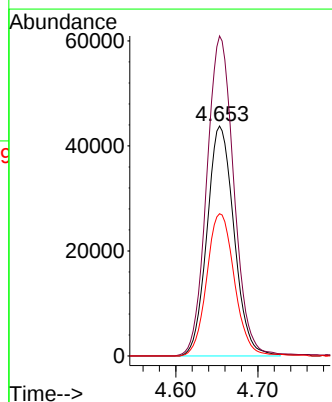
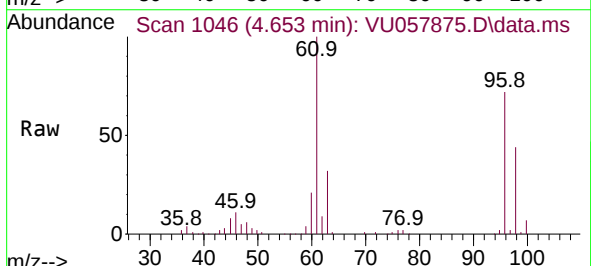


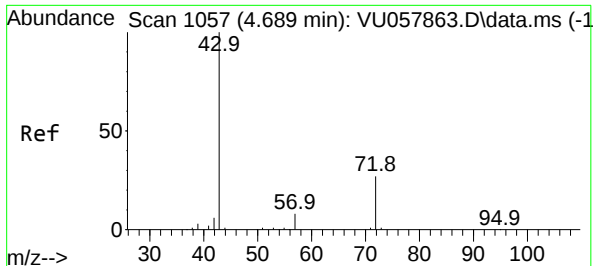
Tgt Ion: 63 Resp: 186037
Ion Ratio Lower Upper
63 100
65 31.6 22.7 42.3
83 13.1 9.5 17.7



#20
cis-1,2-Dichloroethene
Concen: 51.623 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. -0.003 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

Tgt Ion: 96 Resp: 100343
Ion Ratio Lower Upper
96 100
61 139.1 95.7 177.7
98 61.8 45.2 84.0





#22

2-Butanone

Concen: 93.255 ug/L

RT: 4.689 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

Instrument :

MSVOA_U

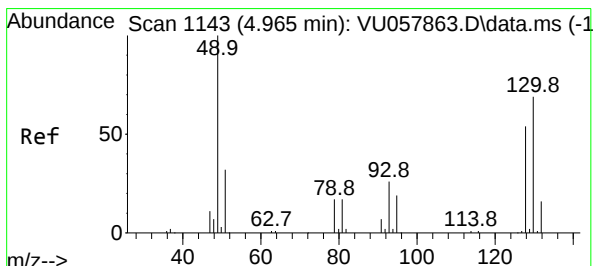
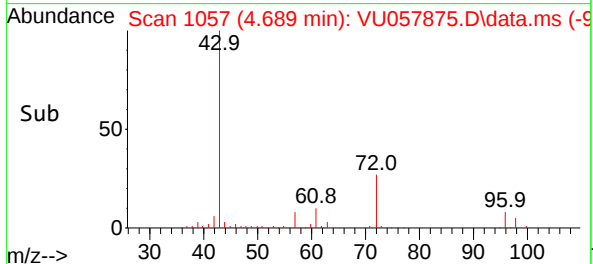
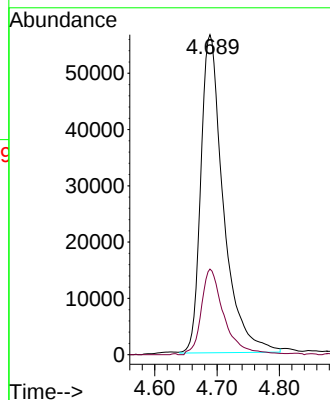
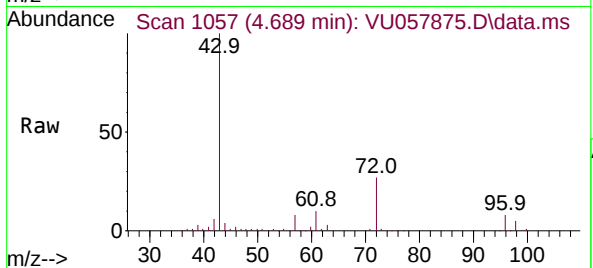
ClientSampleId :

Tgt Ion: 43 Resp: 142334

Ion Ratio Lower Upper

43 100

72 26.8 13.8 41.3



#23

Bromochloromethane

Concen: 51.200 ug/L

RT: 4.962 min Scan# 1142

Delta R.T. -0.003 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

Tgt Ion:128 Resp: 48790

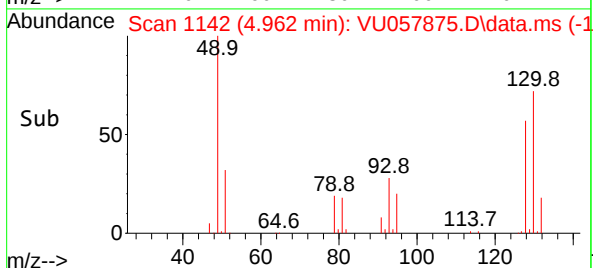
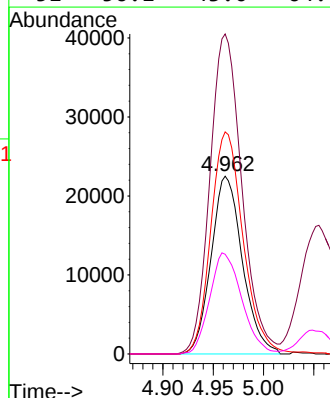
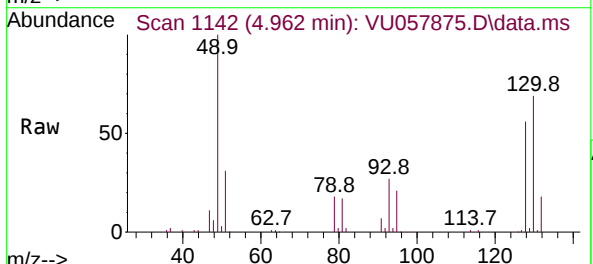
Ion Ratio Lower Upper

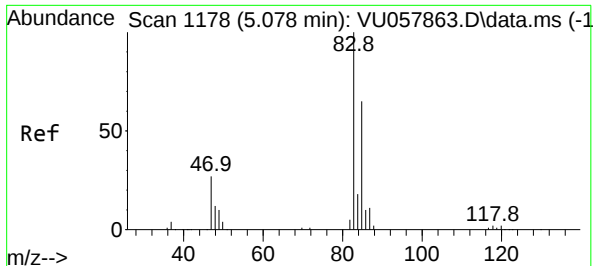
128 100

49 180.0 122.4 227.2

130 125.0 91.8 170.4

51 56.1 43.0 64.6





#25

Chloroform

Concen: 53.188 ug/L

RT: 5.074 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

Instrument :

MSVOA_U

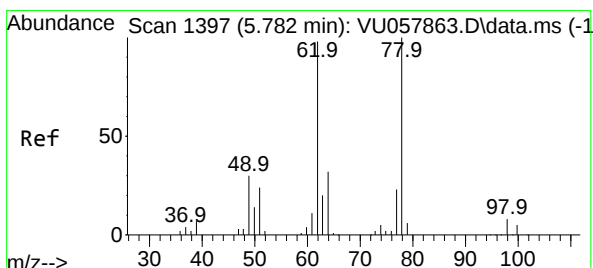
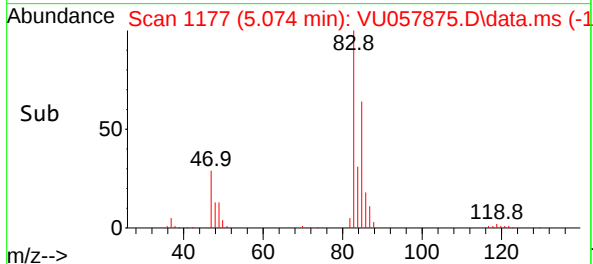
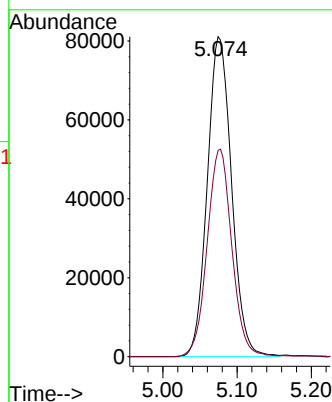
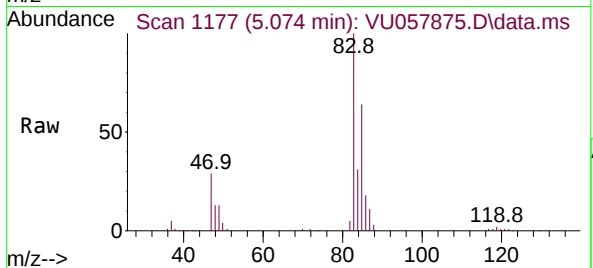
ClientSampleId :

Tgt Ion: 83 Resp: 184080

Ion Ratio Lower Upper

83 100

85 64.4 45.0 83.6



#27

1,2-Dichloroethane

Concen: 52.573 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VU057875.D

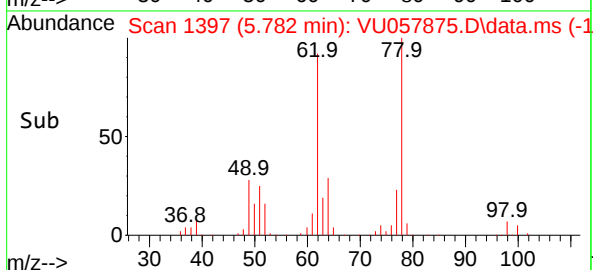
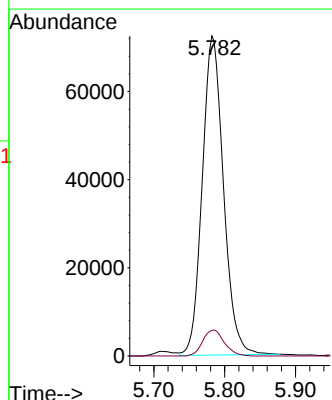
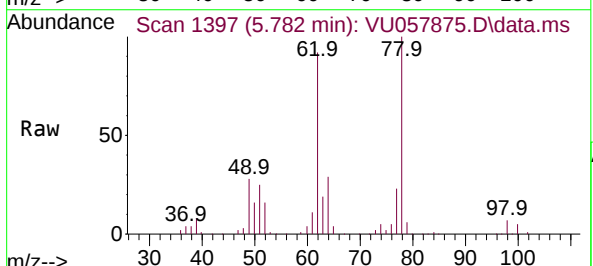
Acq: 15 Feb 2024 15:34

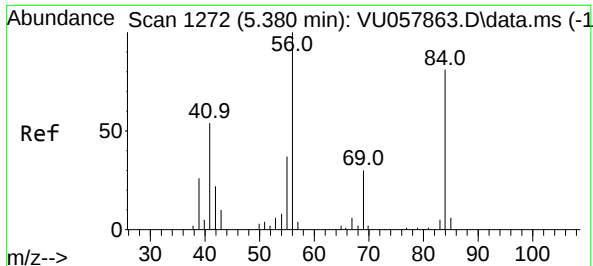
Tgt Ion: 62 Resp: 150673

Ion Ratio Lower Upper

62 100

98 8.0 6.7 10.1





#29

Cyclohexane

Concen: 53.869 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

Instrument :

MSVOA_U

ClientSampleId :

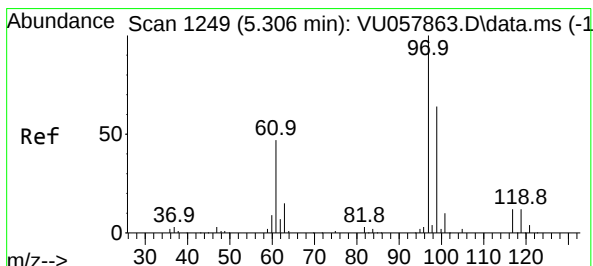
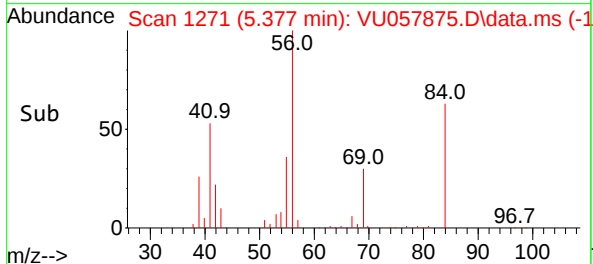
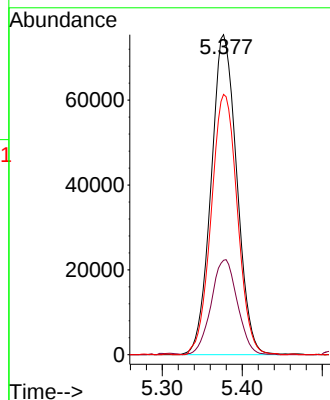
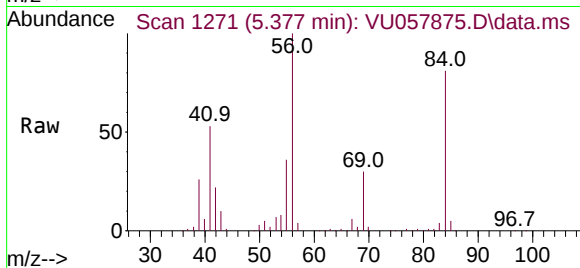
Tgt Ion: 56 Resp: 168484

Ion Ratio Lower Upper

56 100

69 30.2 25.4 38.0

84 82.6 70.4 105.6



#30

1,1,1-Trichloroethane

Concen: 50.783 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. -0.000 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

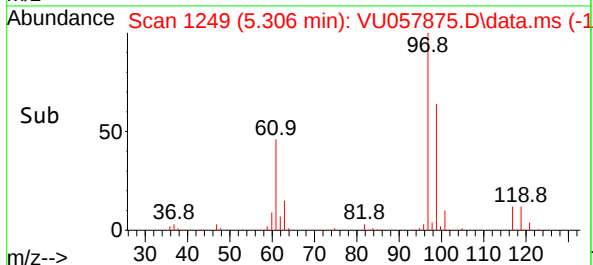
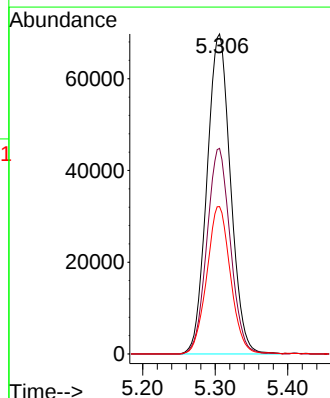
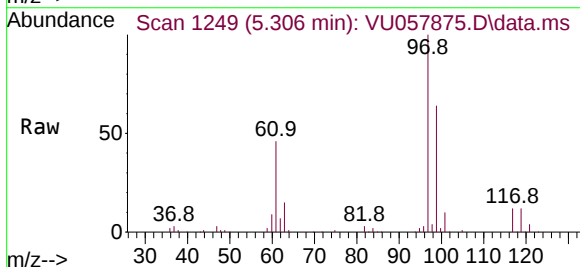
Tgt Ion: 97 Resp: 157442

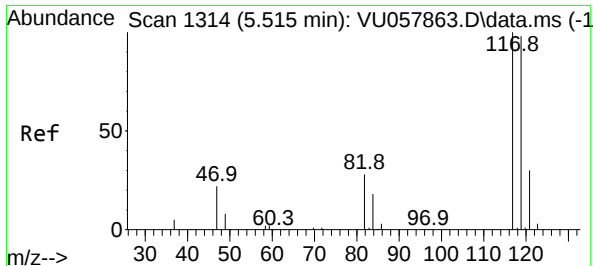
Ion Ratio Lower Upper

97 100

99 63.9 51.5 77.3

61 46.2 36.7 55.1

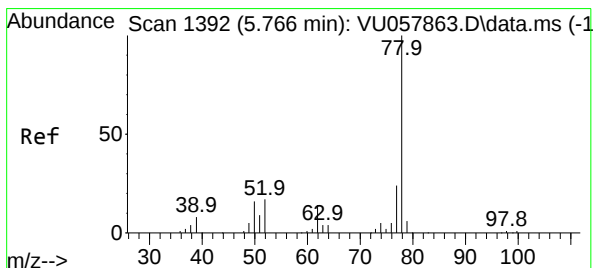
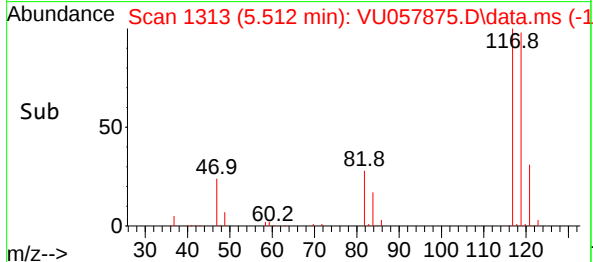
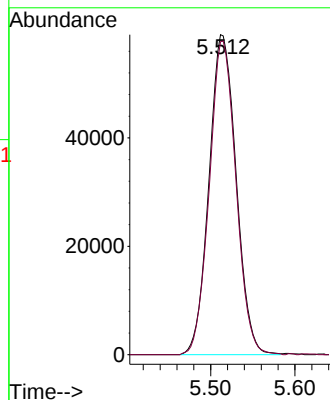
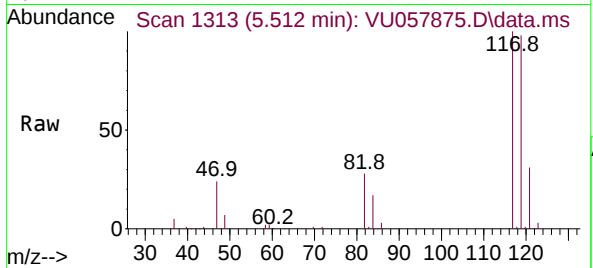




#31
Carbon tetrachloride
Concen: 48.955 ug/L
RT: 5.512 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

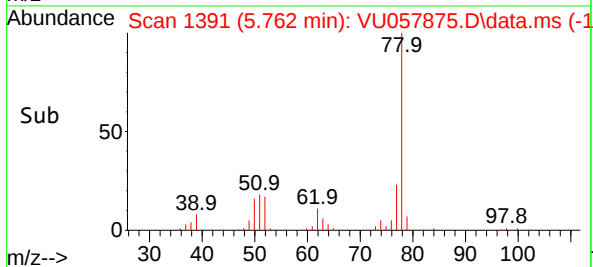
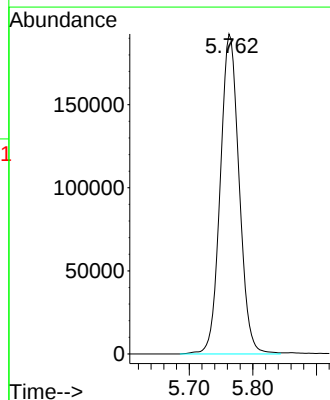
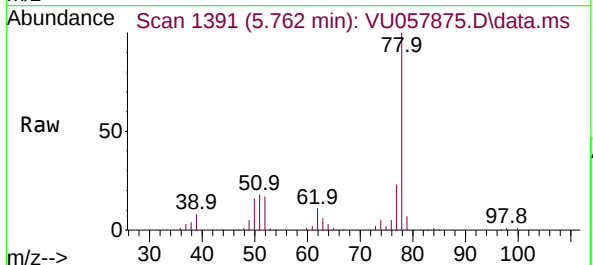
Instrument :
MSVOA_U
ClientSampleId :

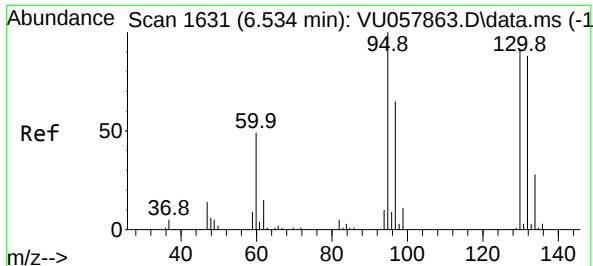
Tgt Ion:117 Resp: 132146
Ion Ratio Lower Upper
117 100
119 96.1 76.7 115.1



#33
Benzene
Concen: 52.174 ug/L
RT: 5.762 min Scan# 1391
Delta R.T. -0.003 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

Tgt Ion: 78 Resp: 396983

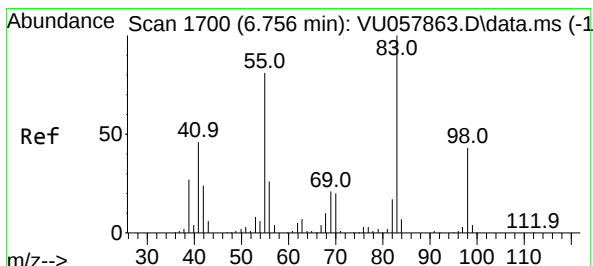
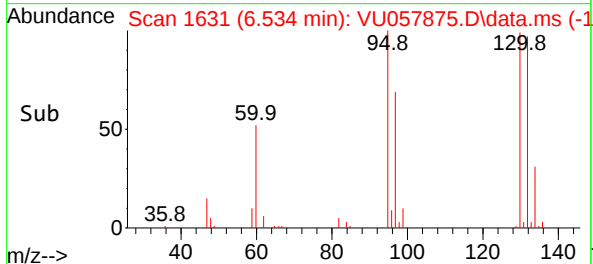
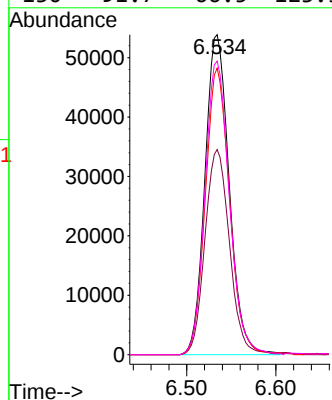
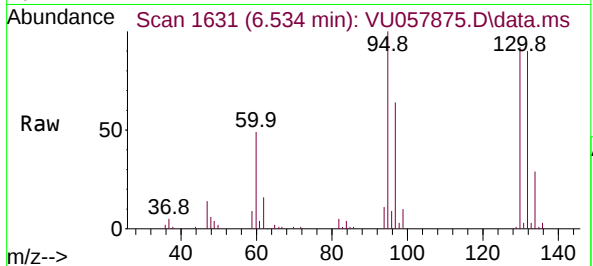




#34
Trichloroethene
Concen: 49.892 ug/L
RT: 6.534 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

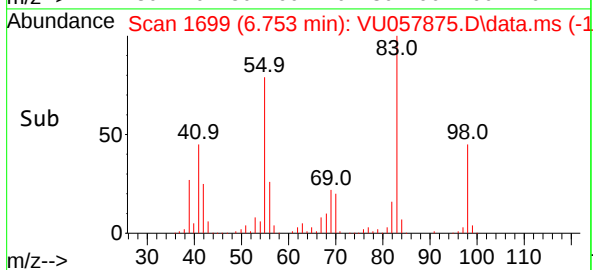
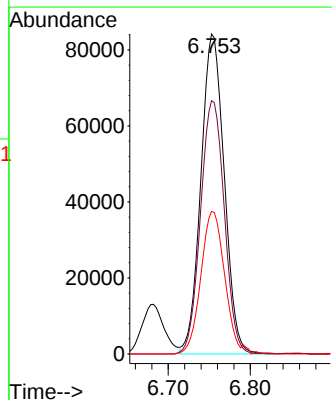
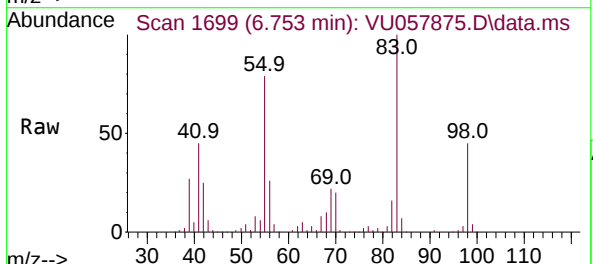
Instrument :
MSVOA_U
ClientSampleId :

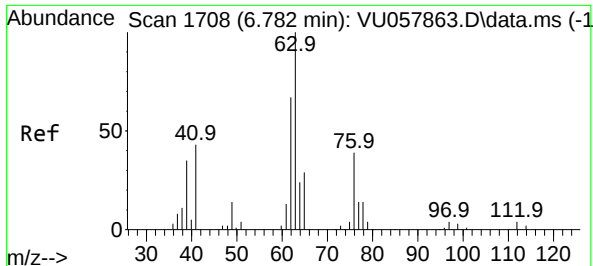
Tgt Ion: 95 Resp: 102078
Ion Ratio Lower Upper
95 100
97 64.1 44.9 83.5
132 89.6 63.1 117.1
130 91.7 66.5 123.5



#35
Methylcyclohexane
Concen: 50.864 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

Tgt Ion: 83 Resp: 166488
Ion Ratio Lower Upper
83 100
55 80.4 59.9 89.9
98 44.8 36.8 55.2





#37

1,2-Dichloropropane

Concen: 53.148 ug/L

RT: 6.779 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

Instrument :

MSVOA_U

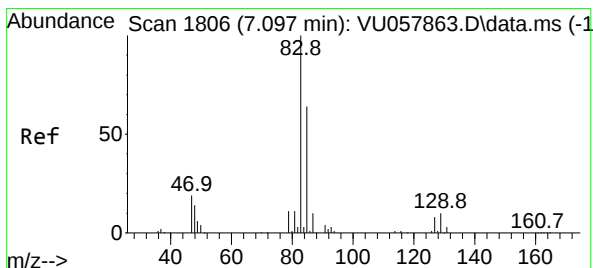
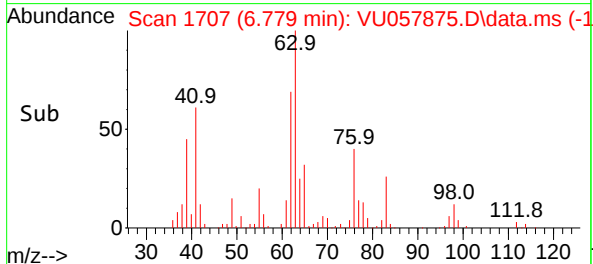
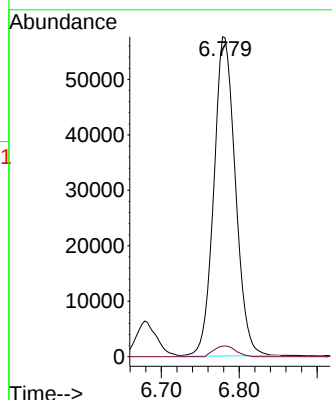
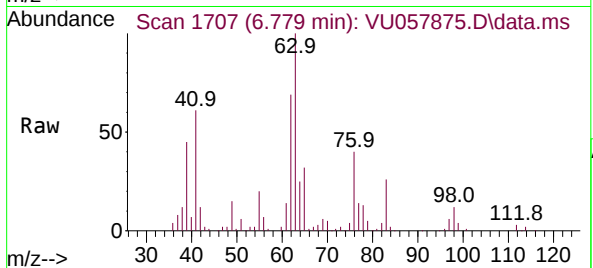
ClientSampleId :

Tgt Ion: 63 Resp: 110872

Ion Ratio Lower Upper

63 100

112 3.4 3.0 4.6



#38

Bromodichloromethane

Concen: 51.379 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

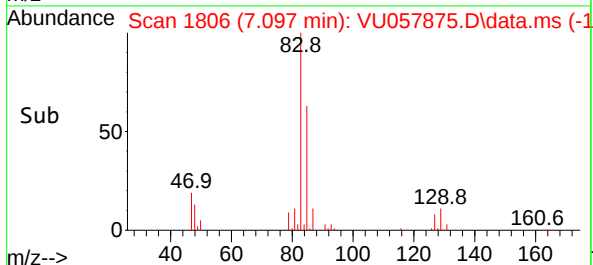
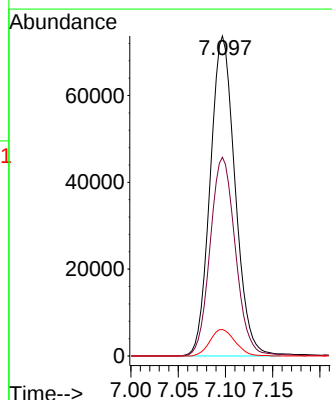
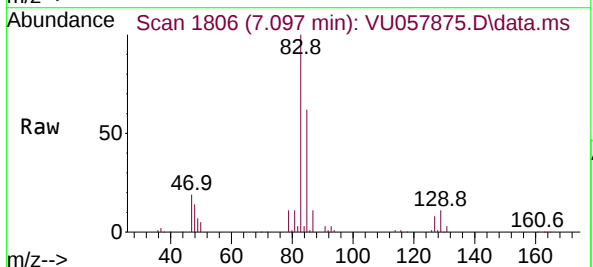
Tgt Ion: 83 Resp: 134951

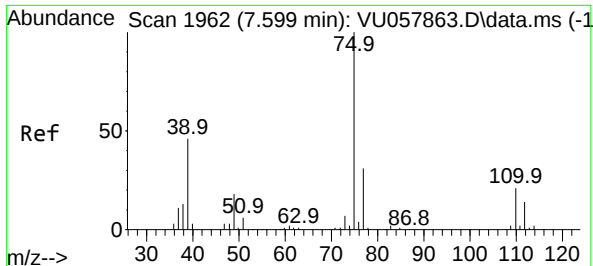
Ion Ratio Lower Upper

83 100

85 62.1 45.6 84.6

127 8.3 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 52.116 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

Instrument :

MSVOA_U

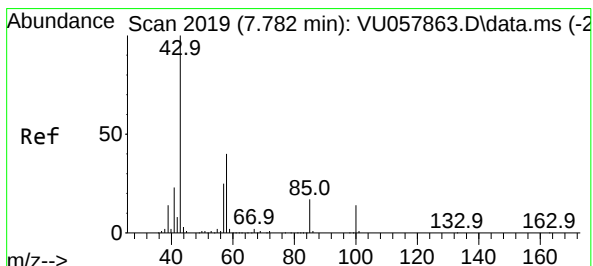
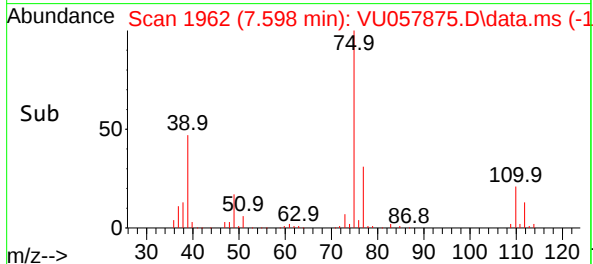
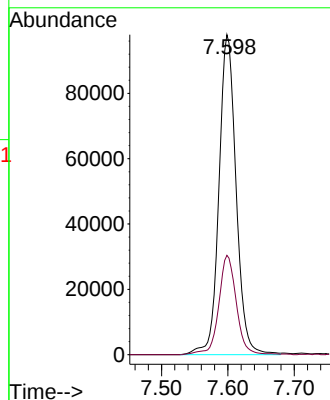
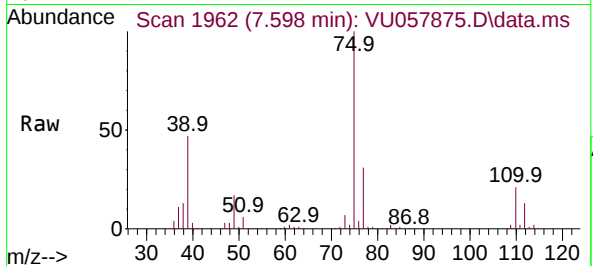
ClientSampleId :

Tgt Ion: 75 Resp: 176218

Ion Ratio Lower Upper

75 100

77 31.1 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 110.551 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.003 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

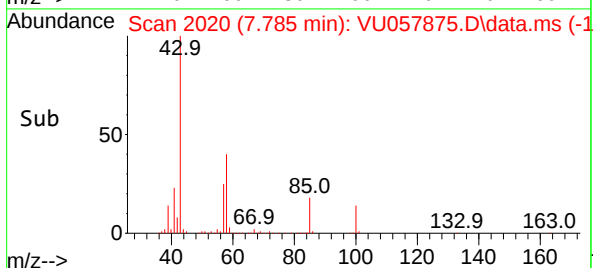
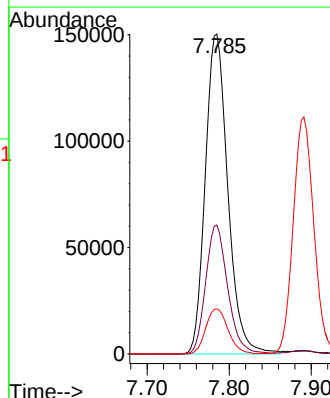
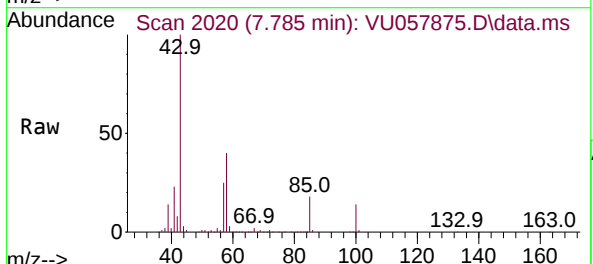
Tgt Ion: 43 Resp: 287074

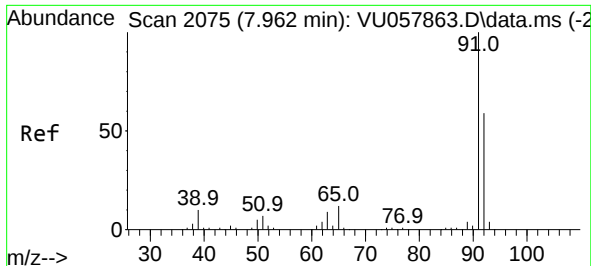
Ion Ratio Lower Upper

43 100

58 39.4 32.5 48.7

100 13.9 12.2 18.4





#42

Toluene

Concen: 51.906 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

Instrument :

MSVOA_U

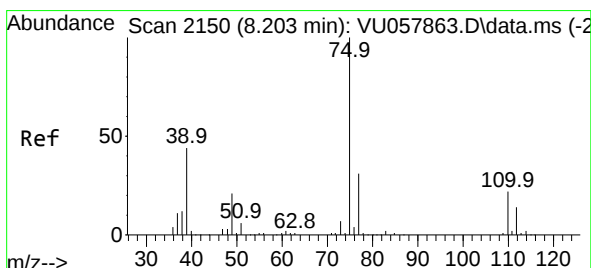
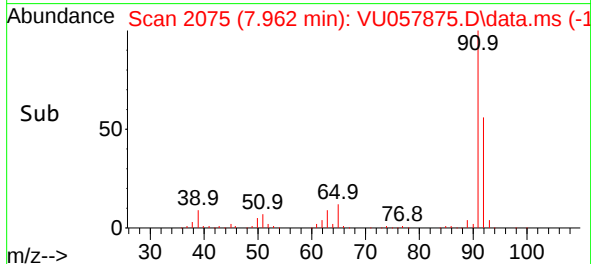
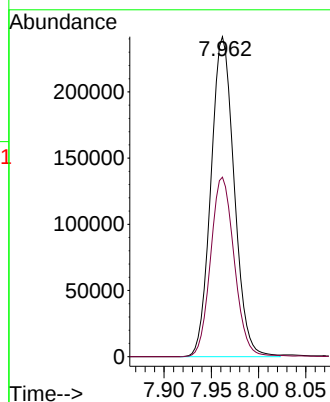
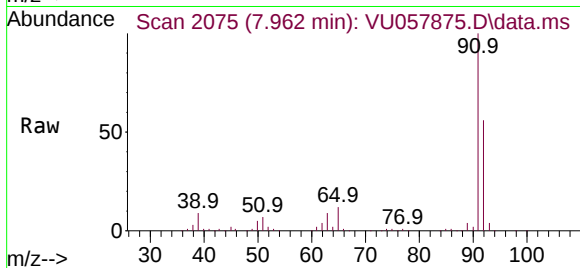
ClientSampleId :

Tgt Ion: 91 Resp: 413647

Ion Ratio Lower Upper

91 100

92 56.1 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 52.543 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU057875.D

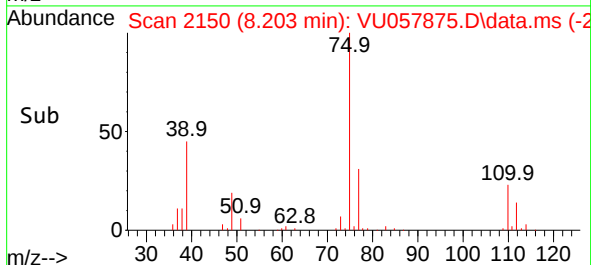
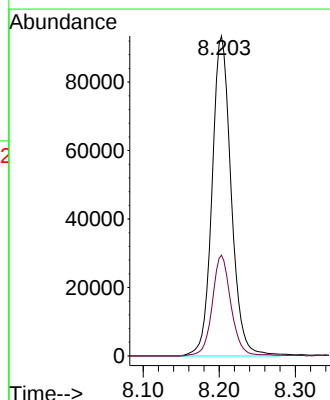
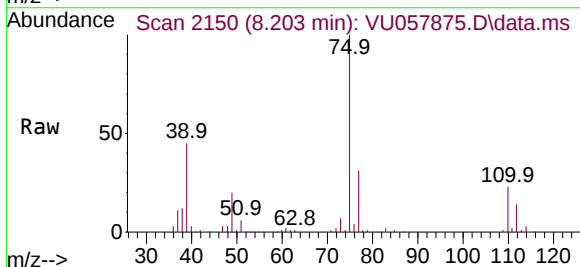
Acq: 15 Feb 2024 15:34

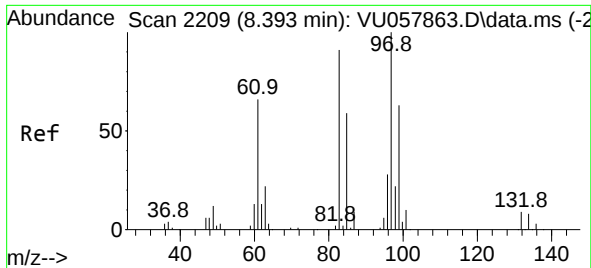
Tgt Ion: 75 Resp: 163106

Ion Ratio Lower Upper

75 100

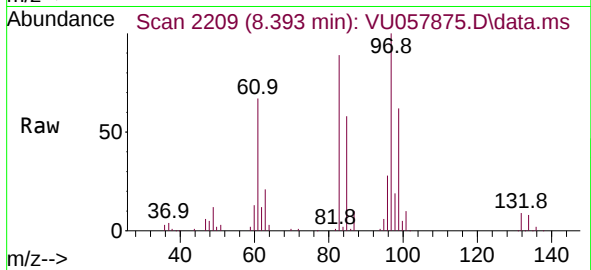
77 31.5 22.4 41.6



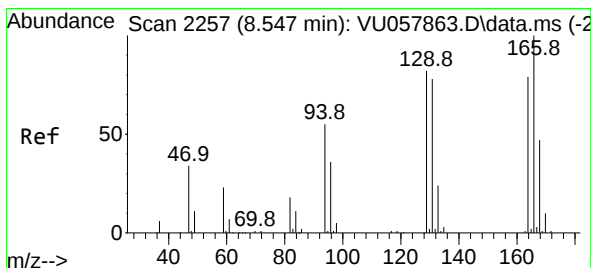
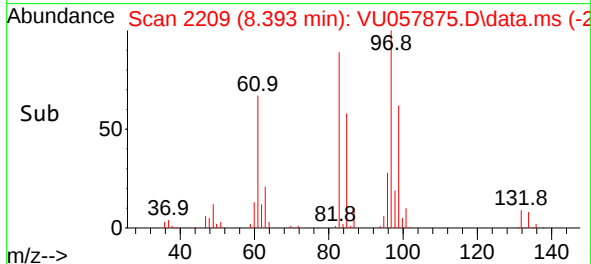
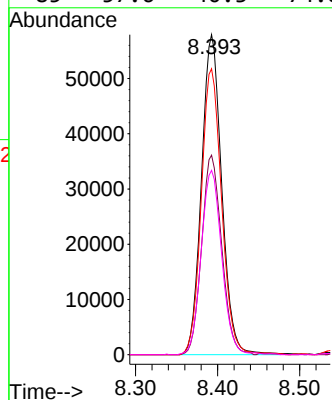


#45
1,1,2-Trichloroethane
Concen: 51.594 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

Instrument :
MSVOA_U
ClientSampleId :

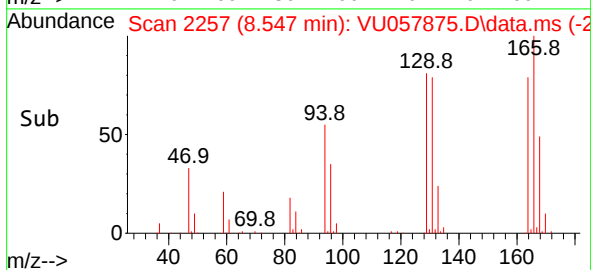
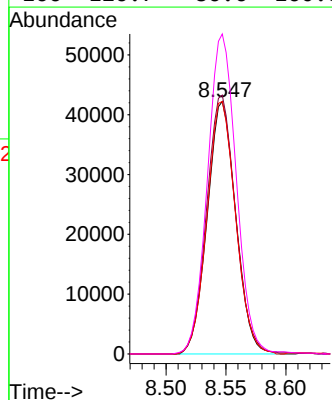
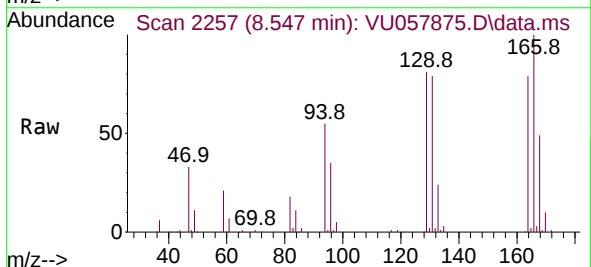


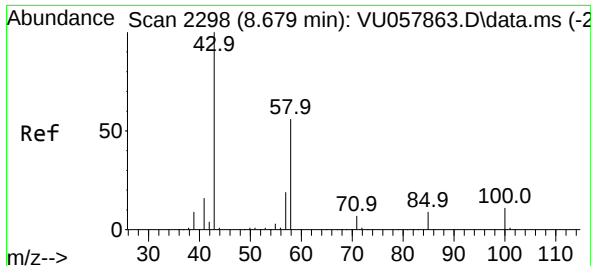
Tgt Ion:	97	Resp:	99383
Ion	Ratio	Lower	Upper
97	100		
99	62.3	45.1	83.9
83	89.4	63.8	118.6
85	57.6	40.3	74.8



#46
Tetrachloroethene
Concen: 49.183 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

Tgt Ion:	164	Resp:	69797
Ion	Ratio	Lower	Upper
164	100		
129	102.5	70.8	131.4
131	100.0	66.8	124.0
166	126.7	86.6	160.8

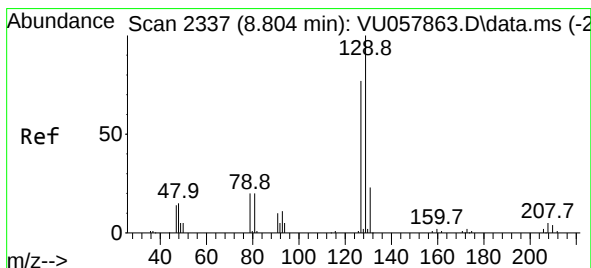
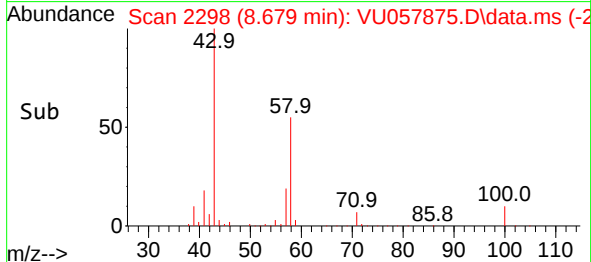
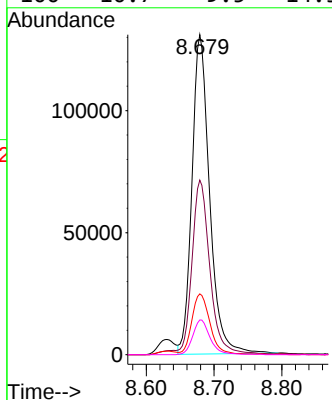
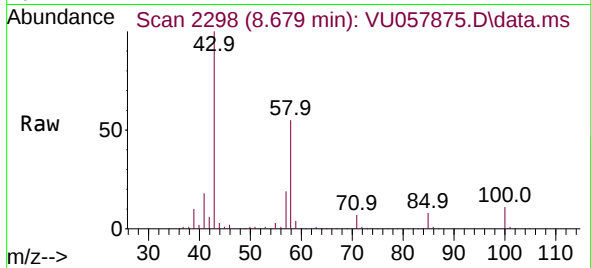




#48
2-Hexanone
Concen: 104.690 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

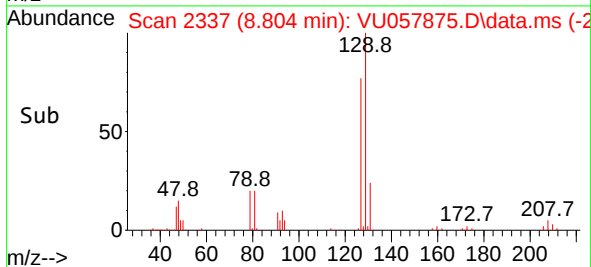
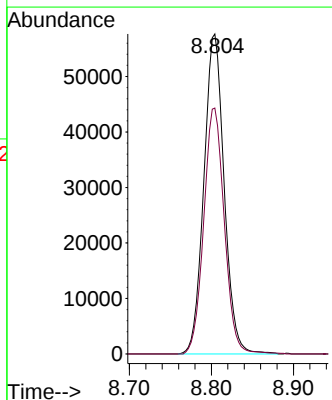
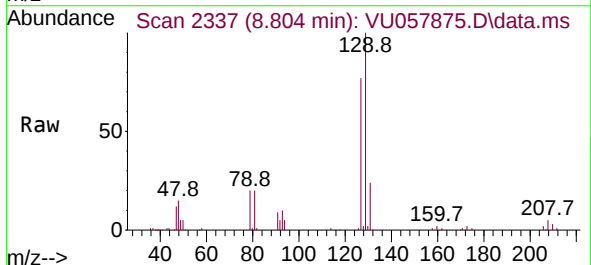
Instrument :
MSVOA_U
ClientSampleId :

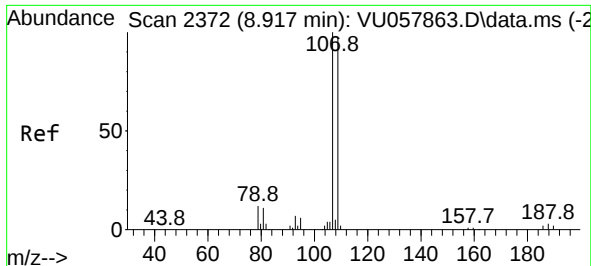
Tgt Ion: 43 Resp: 236495
Ion Ratio Lower Upper
43 100
58 54.4 44.1 66.1
57 18.8 15.4 23.2
100 10.7 9.5 14.3



#49
Dibromochloromethane
Concen: 50.978 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

Tgt Ion: 129 Resp: 99038
Ion Ratio Lower Upper
129 100
127 76.8 54.1 100.5





#50

1,2-Dibromoethane

Concen: 50.038 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

Instrument :

MSVOA_U

ClientSampleId :

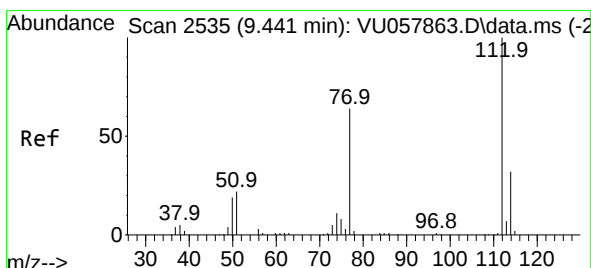
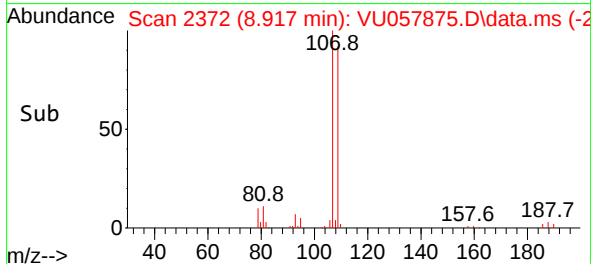
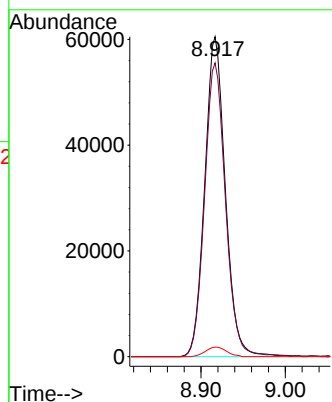
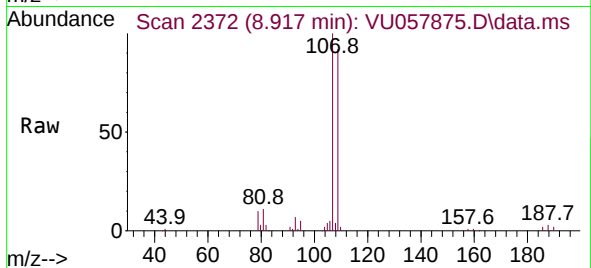
Tgt Ion:107 Resp: 102983

Ion Ratio Lower Upper

107 100

109 91.8 64.4 119.6

188 3.0 2.6 3.8



#51

Chlorobenzene

Concen: 51.411 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

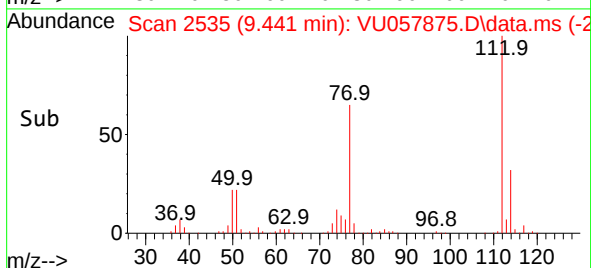
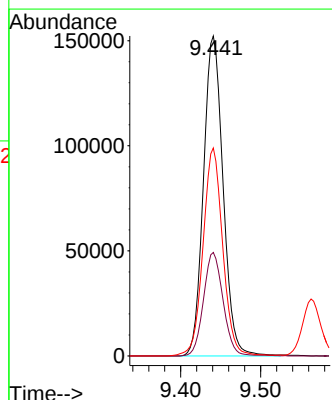
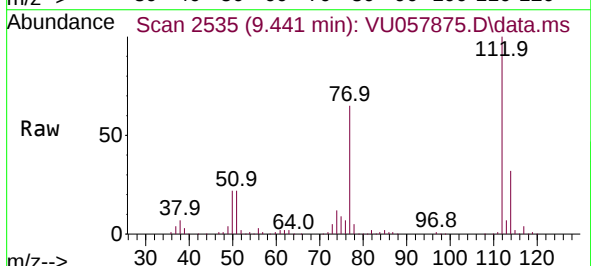
Tgt Ion:112 Resp: 260196

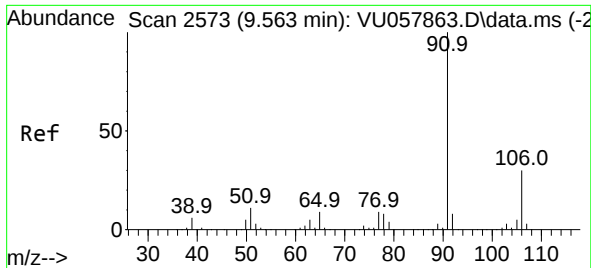
Ion Ratio Lower Upper

112 100

114 32.3 22.0 41.0

77 65.0 48.2 72.4

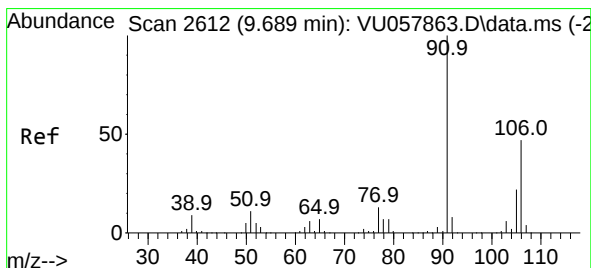
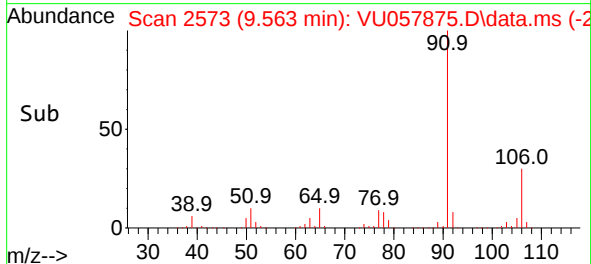
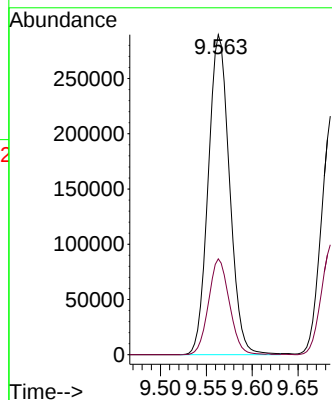
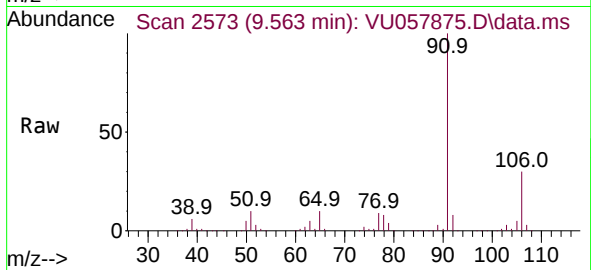




#52
Ethylbenzene
Concen: 51.699 ug/L
RT: 9.563 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

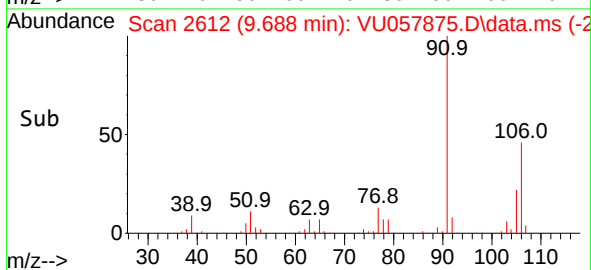
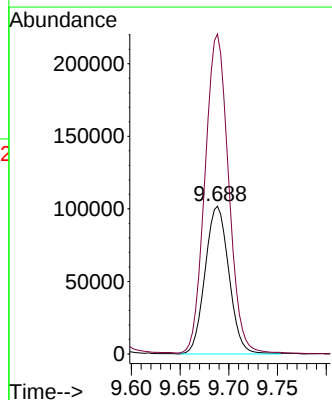
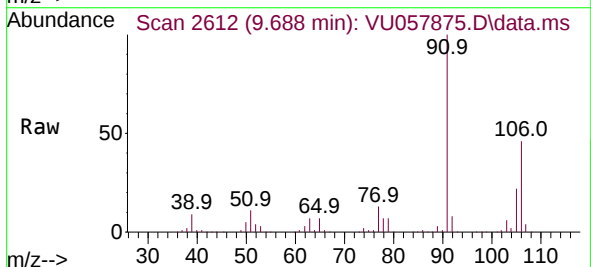
Instrument :
MSVOA_U
ClientSampleId :

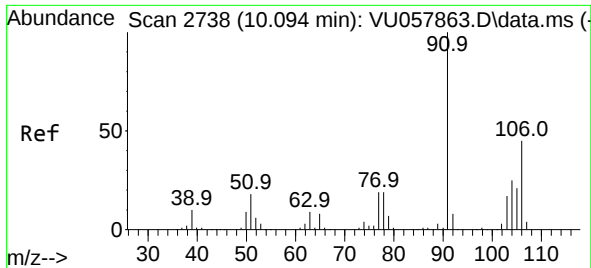
Tgt Ion: 91 Resp: 467346
Ion Ratio Lower Upper
91 100
106 29.9 20.9 38.9



#53
m,p-Xylene
Concen: 52.118 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

Tgt Ion:106 Resp: 173148
Ion Ratio Lower Upper
106 100
91 200.2 145.3 269.9

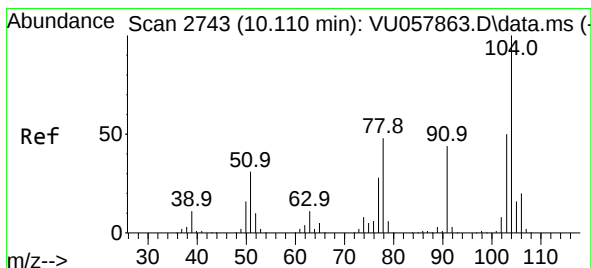
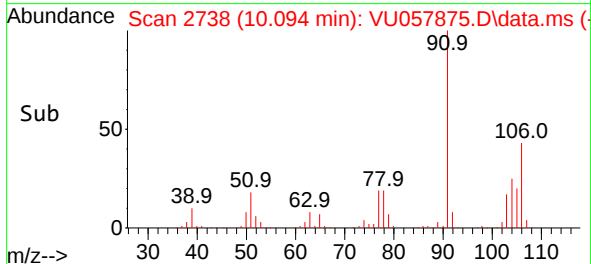
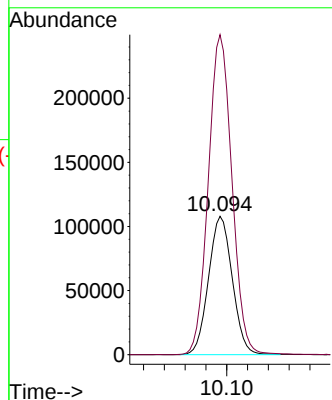
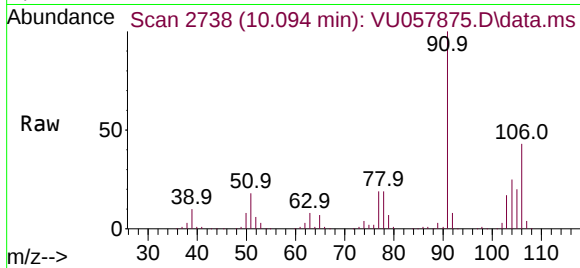




#54
o-Xylene
Concen: 53.037 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. -0.000 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

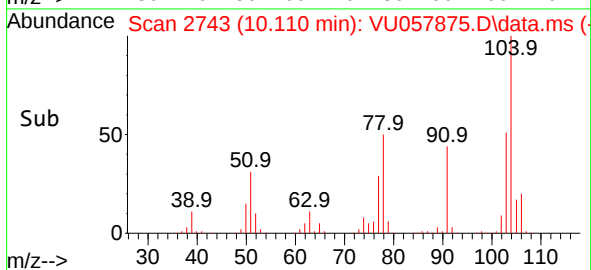
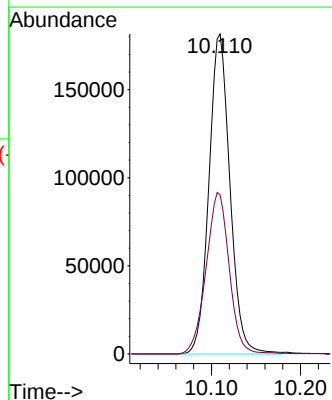
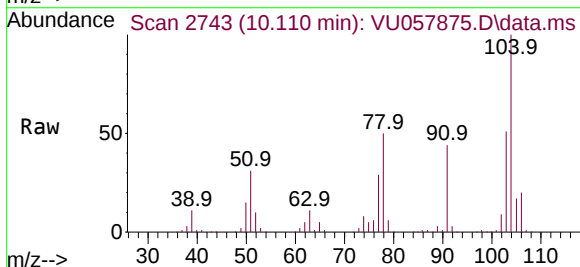
Instrument :
MSVOA_U
ClientSampleId :

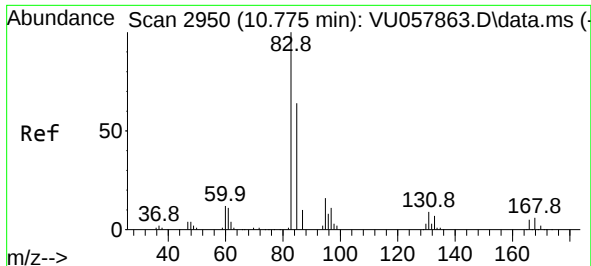
Tgt Ion:106 Resp: 171574
Ion Ratio Lower Upper
106 100
91 231.2 155.3 288.3



#55
Styrene
Concen: 55.124 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

Tgt Ion:104 Resp: 297683
Ion Ratio Lower Upper
104 100
78 49.8 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 56.158 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

Instrument :

MSVOA_U

ClientSampleId :

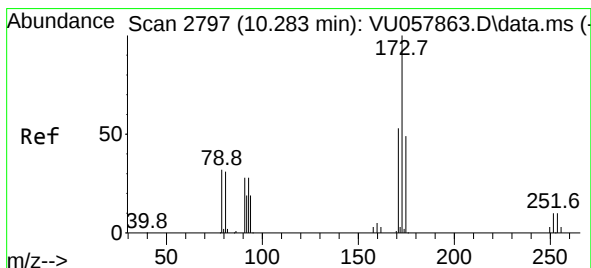
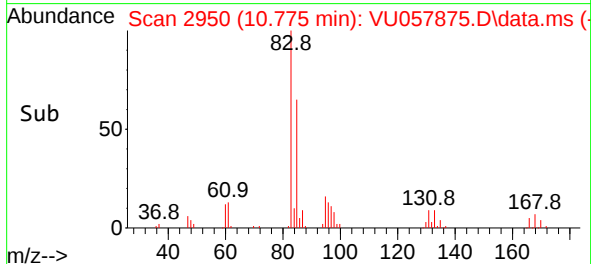
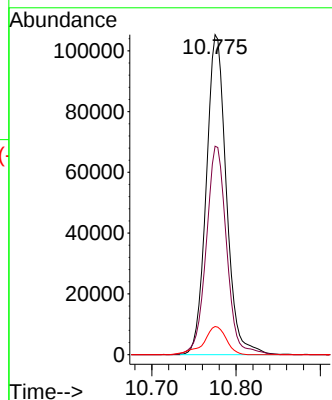
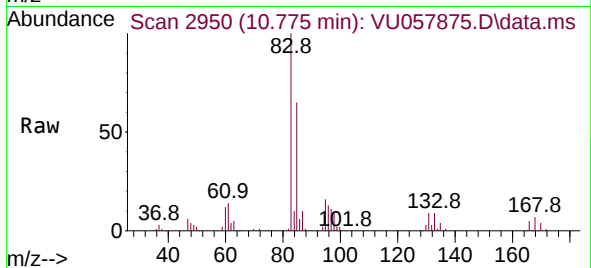
Tgt Ion: 83 Resp: 174332

Ion Ratio Lower Upper

83 100

85 65.1 45.1 83.7

131 8.8 7.5 11.3



#59

Bromoform

Concen: 48.443 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. 0.003 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

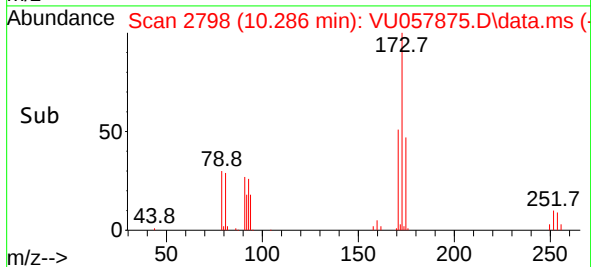
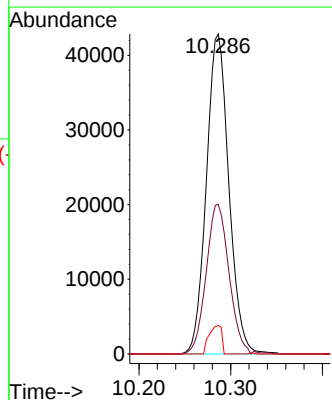
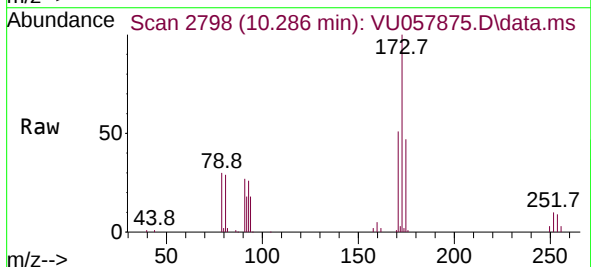
Tgt Ion:173 Resp: 73035

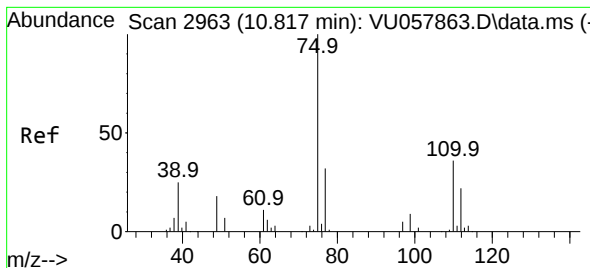
Ion Ratio Lower Upper

173 100

175 47.3 37.7 56.5

254 5.0 6.2 9.2#





#60

1,2,3-Trichloropropane

Concen: 50.447 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

Instrument :

MSVOA_U

ClientSampleId :

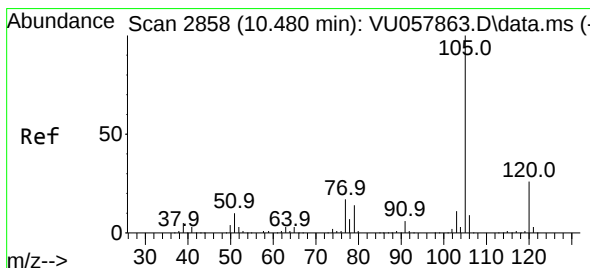
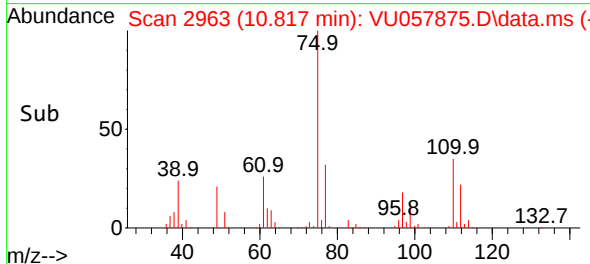
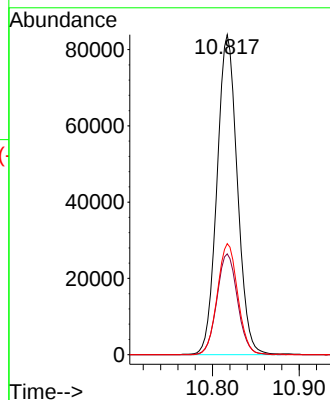
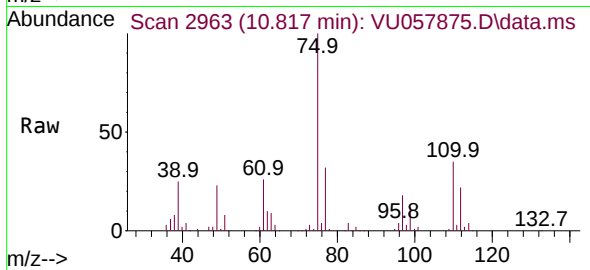
Tgt Ion: 75 Resp: 137054

Ion Ratio Lower Upper

75 100

77 32.1 26.1 39.1

110 34.8 29.1 43.7



#61

Isopropylbenzene

Concen: 49.798 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.003 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

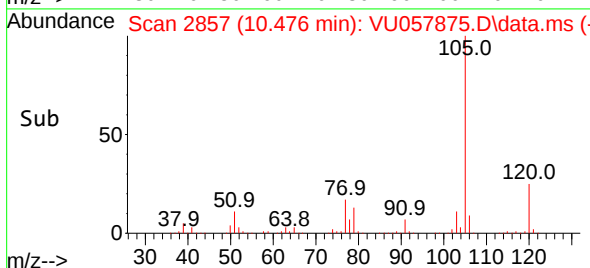
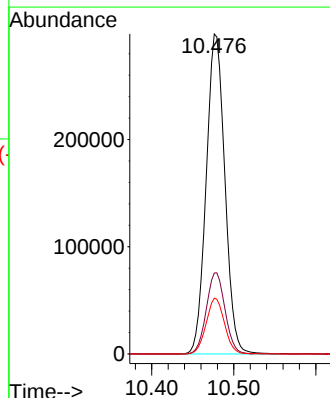
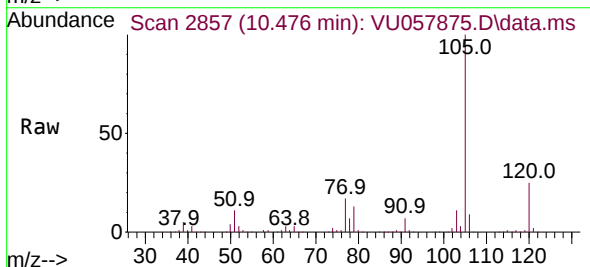
Tgt Ion: 105 Resp: 472148

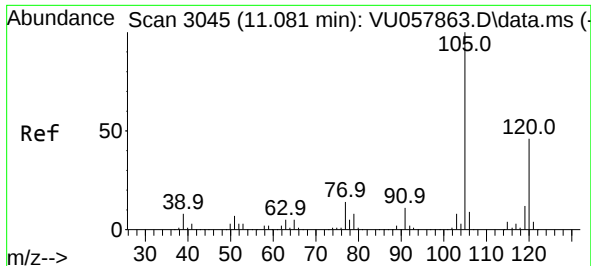
Ion Ratio Lower Upper

105 100

120 25.4 20.6 30.8

77 17.1 13.2 19.8





#62

1,3,5-Trimethylbenzene

Concen: 51.506 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

Instrument :

MSVOA_U

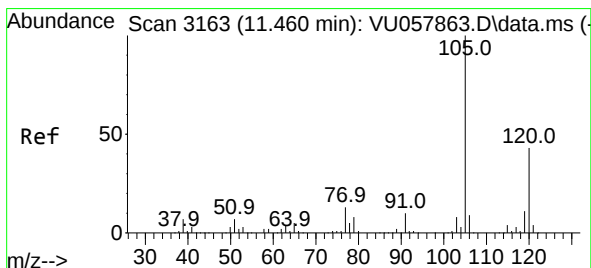
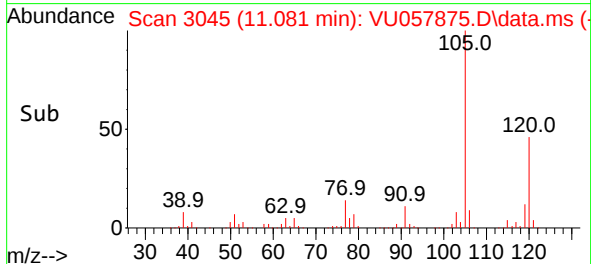
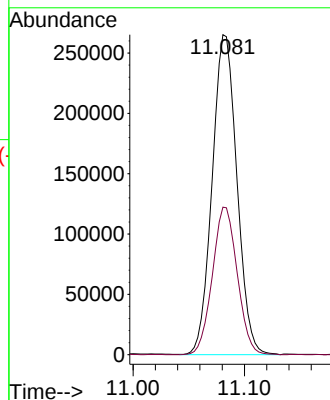
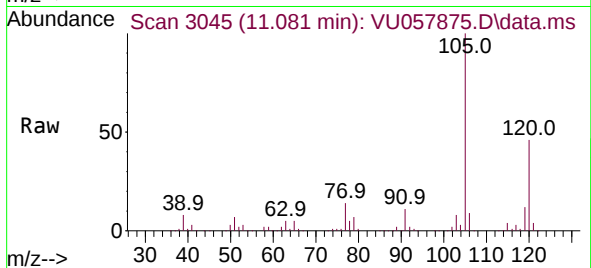
ClientSampleId :

Tgt Ion:105 Resp: 409805

Ion Ratio Lower Upper

105 100

120 46.2 37.3 55.9



#63

1,2,4-Trimethylbenzene

Concen: 52.163 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU057875.D

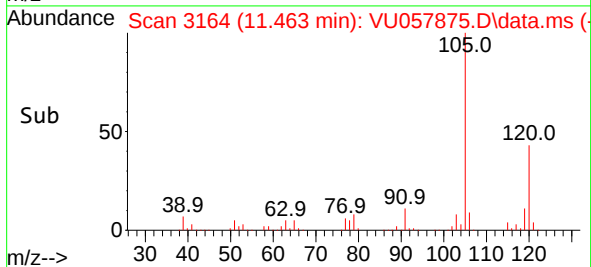
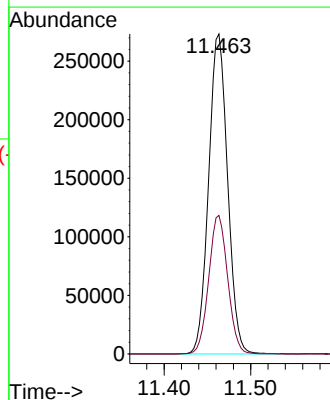
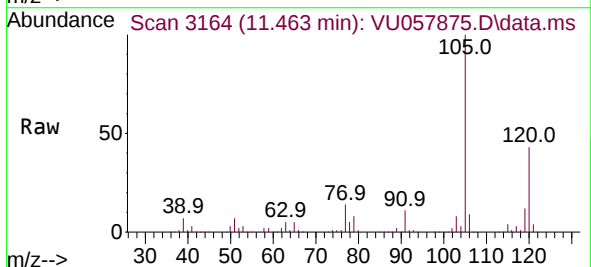
Acq: 15 Feb 2024 15:34

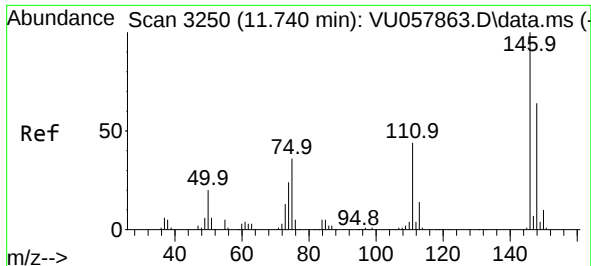
Tgt Ion:105 Resp: 415395

Ion Ratio Lower Upper

105 100

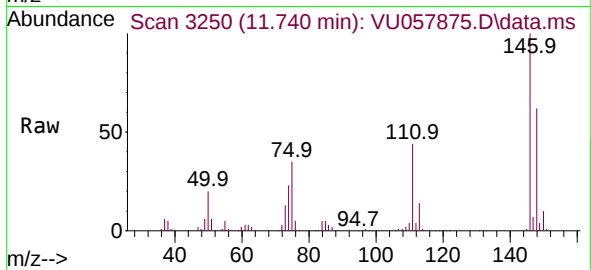
120 43.3 35.4 53.0



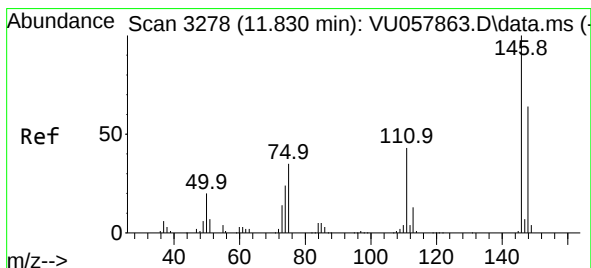
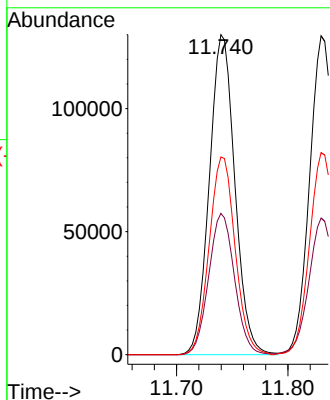
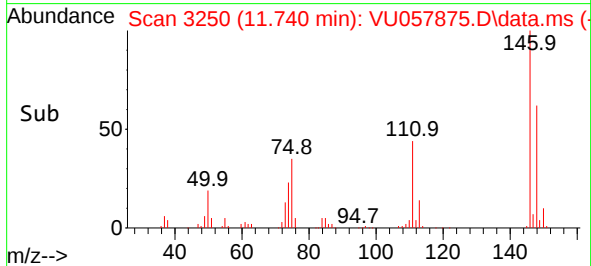


#64
1,3-Dichlorobenzene
Concen: 50.424 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

Instrument :
MSVOA_U
ClientSampleId :

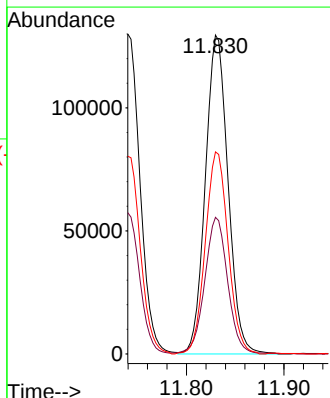
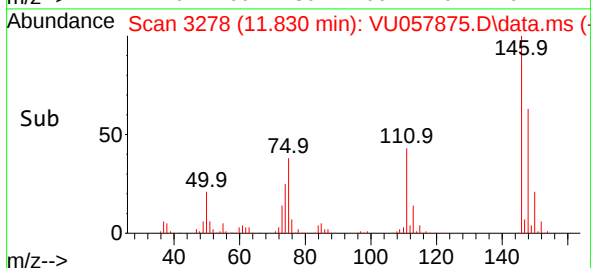
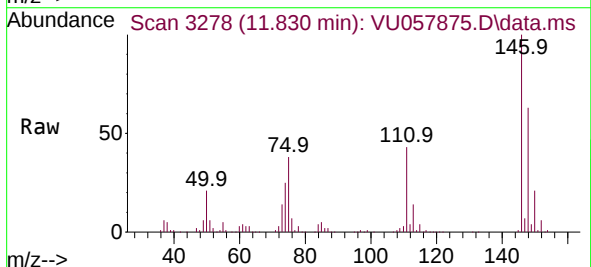


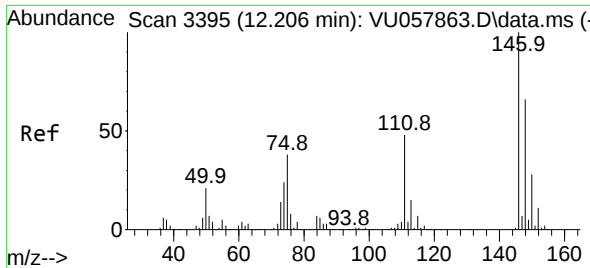
Tgt Ion:146 Resp: 207145
Ion Ratio Lower Upper
146 100
111 41.4 31.1 57.7
148 61.7 46.8 86.8



#65
1,4-Dichlorobenzene
Concen: 49.755 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

Tgt Ion:146 Resp: 209651
Ion Ratio Lower Upper
146 100
111 42.9 30.5 56.7
148 63.4 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 49.439 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

Instrument :

MSVOA_U

ClientSampleId :

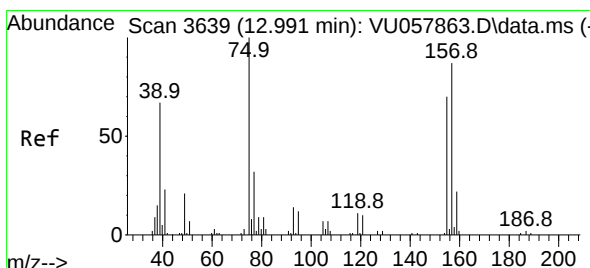
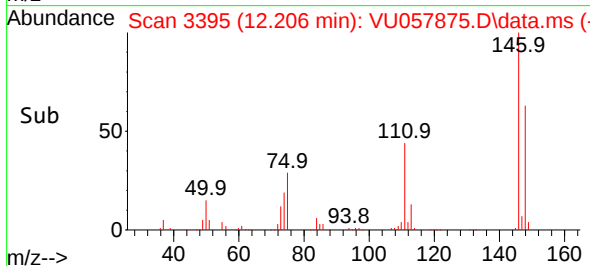
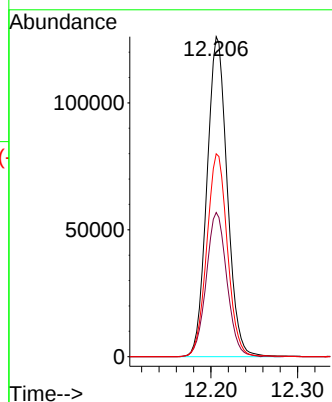
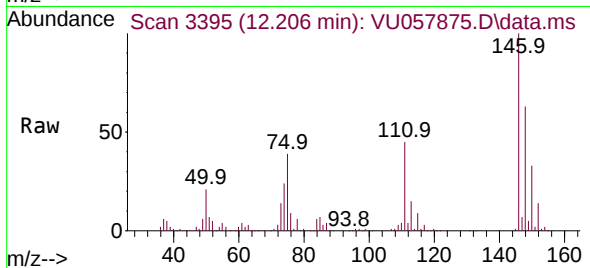
Tgt Ion:146 Resp: 204742

Ion Ratio Lower Upper

146 100

111 45.1 37.8 56.8

148 63.4 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 46.842 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

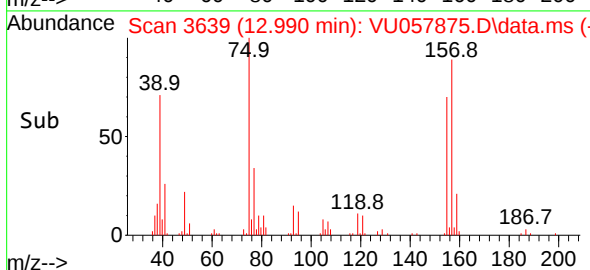
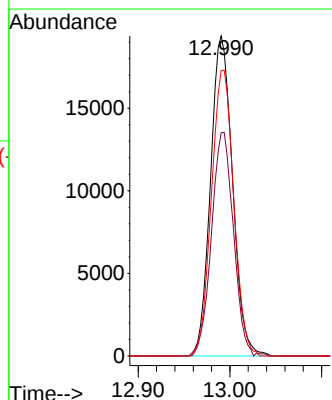
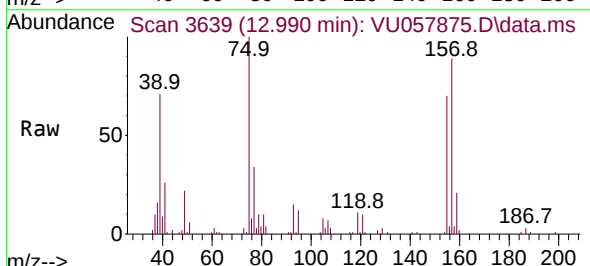
Tgt Ion: 75 Resp: 32278

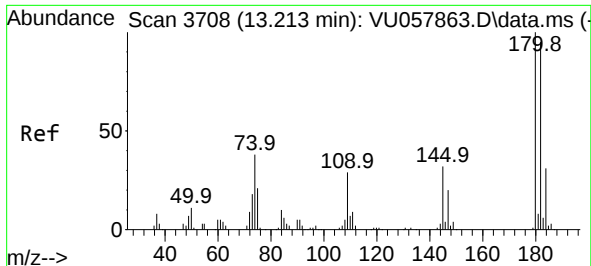
Ion Ratio Lower Upper

75 100

155 73.6 55.9 83.9

157 93.1 71.1 106.7





#69

1,3,5-Trichlorobenzene

Concen: 48.366 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 139941

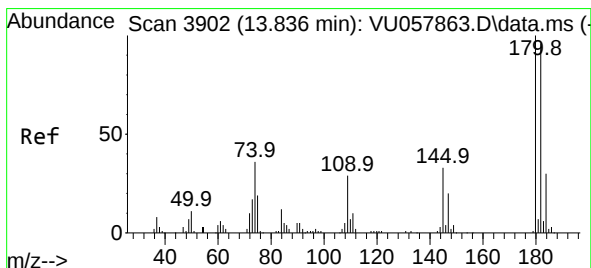
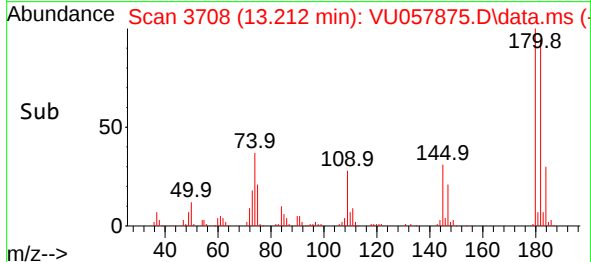
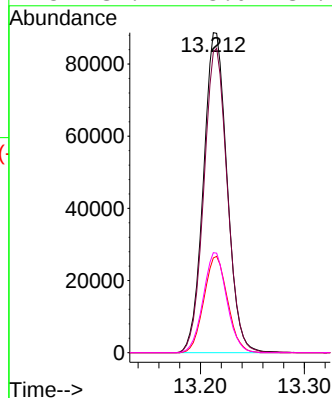
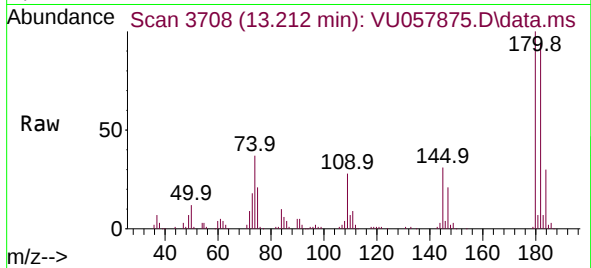
Ion Ratio Lower Upper

180 100

182 94.5 76.0 114.0

184 30.2 24.3 36.5

145 31.1 25.0 37.6



#70

1,2,4-trichlorobenzene

Concen: 44.770 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU057875.D

Acq: 15 Feb 2024 15:34

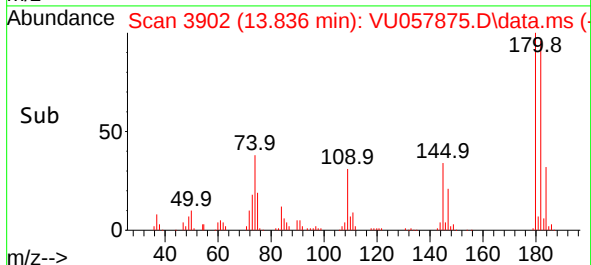
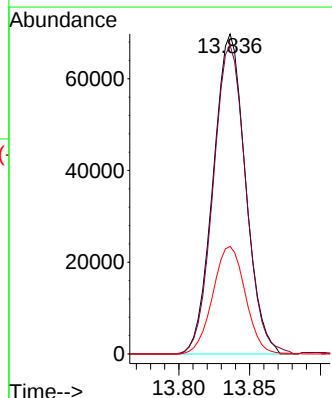
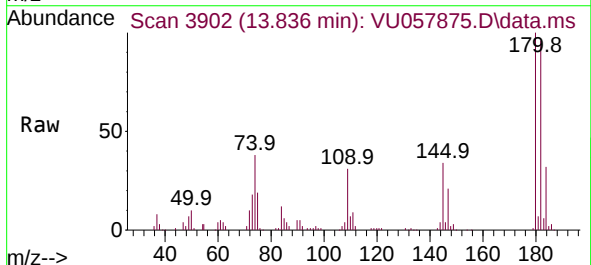
Tgt Ion:180 Resp: 110656

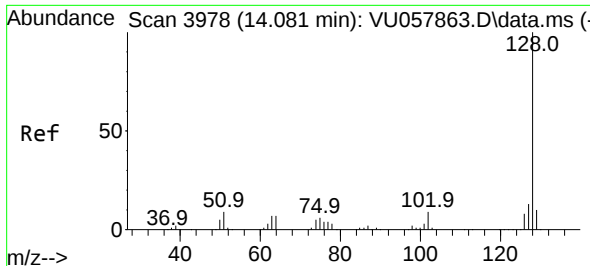
Ion Ratio Lower Upper

180 100

182 97.5 76.0 114.0

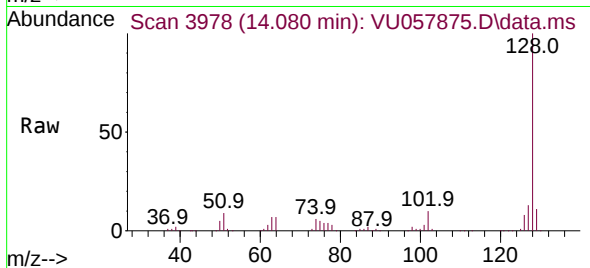
145 33.9 25.5 38.3



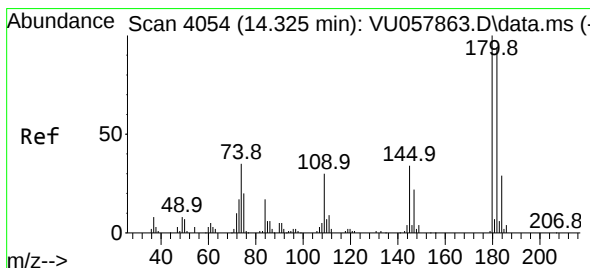
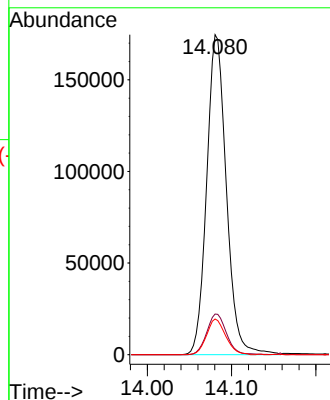
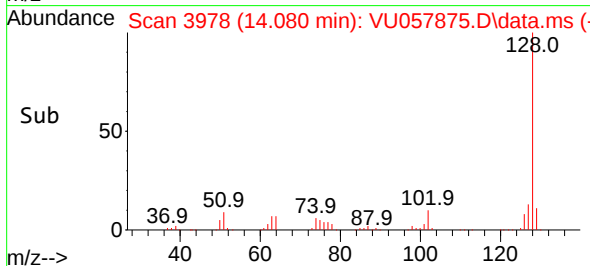


#71
Naphthalene
Concen: 42.858 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34

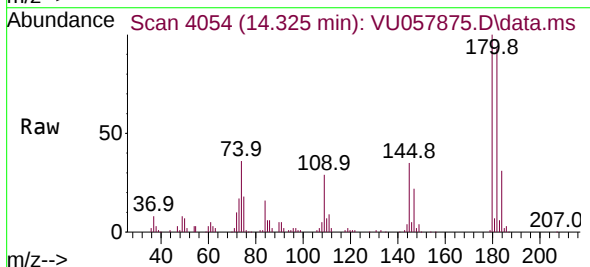
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 283967
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 44.405 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU057875.D
Acq: 15 Feb 2024 15:34



Tgt Ion:180 Resp: 102695
Ion Ratio Lower Upper
180 100
182 95.0 76.6 114.8
145 34.6 27.7 41.5

