

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010824\
 Data File : VU057382.D
 Acq On : 08 Jan 2024 14:21
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 09 00:39:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 09 00:32:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	265954	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	254433	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	129037	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	82398	45.015	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.020%
7) Chloroethane-d5	1.914	69	66274	46.786	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.580%
11) 1,1-Dichloroethene-d2	2.567	63	174242	44.910	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.820%
21) 2-Butanone-d5	4.631	46	105105	118.499	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.500%
24) Chloroform-d	5.055	84	210386	48.603	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.200%
26) 1,2-Dichloroethane-d4	5.695	65	142529	49.843	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.680%
32) Benzene-d6	5.721	84	355670	52.076	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.160%
36) 1,2-Dichloropropane-d6	6.685	67	102344	53.092	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.180%
41) Toluene-d8	7.894	98	331456	51.788	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.580%
43) trans-1,3-Dichloroprop...	8.174	79	64182	55.782	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.560%
47) 2-Hexanone-d5	8.631	63	76338	121.140	ug/L	-0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.140%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	154698	53.701	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	126614	50.168	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	130630	43.054	ug/L	98
3) Chloromethane	1.518	50	86898	45.643	ug/L	100
5) Vinyl chloride	1.605	62	92926	45.593	ug/L	99
6) Bromomethane	1.859	94	66409	49.228	ug/L	100
8) Chloroethane	1.933	64	55137	46.249	ug/L	92
9) Trichlorofluoromethane	2.136	101	180945	42.549	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	90446	44.286	ug/L	97
12) 1,1-Dichloroethene	2.576	96	82443	45.749	ug/L	94
13) Acetone	2.650	43	107690	99.701	ug/L	99
14) Carbon disulfide	2.788	76	256542	45.962	ug/L	99
15) Methyl Acetate	2.952	43	77909	55.291	ug/L	99
16) Methylene chloride	3.042	84	99029	48.332	ug/L	98
17) trans-1,2-Dichloroethene	3.348	96	86625	46.988	ug/L	96
18) Methyl tert-butyl Ether	3.354	73	316467	53.629	ug/L	99
19) 1,1-Dichloroethane	3.862	63	165657	48.537	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	99361	50.384	ug/L	98
22) 2-Butanone	4.708	43	121484	114.146	ug/L	98
23) Bromochloromethane	4.968	128	55948	49.422	ug/L	97
25) Chloroform	5.081	83	197807	47.755	ug/L	98

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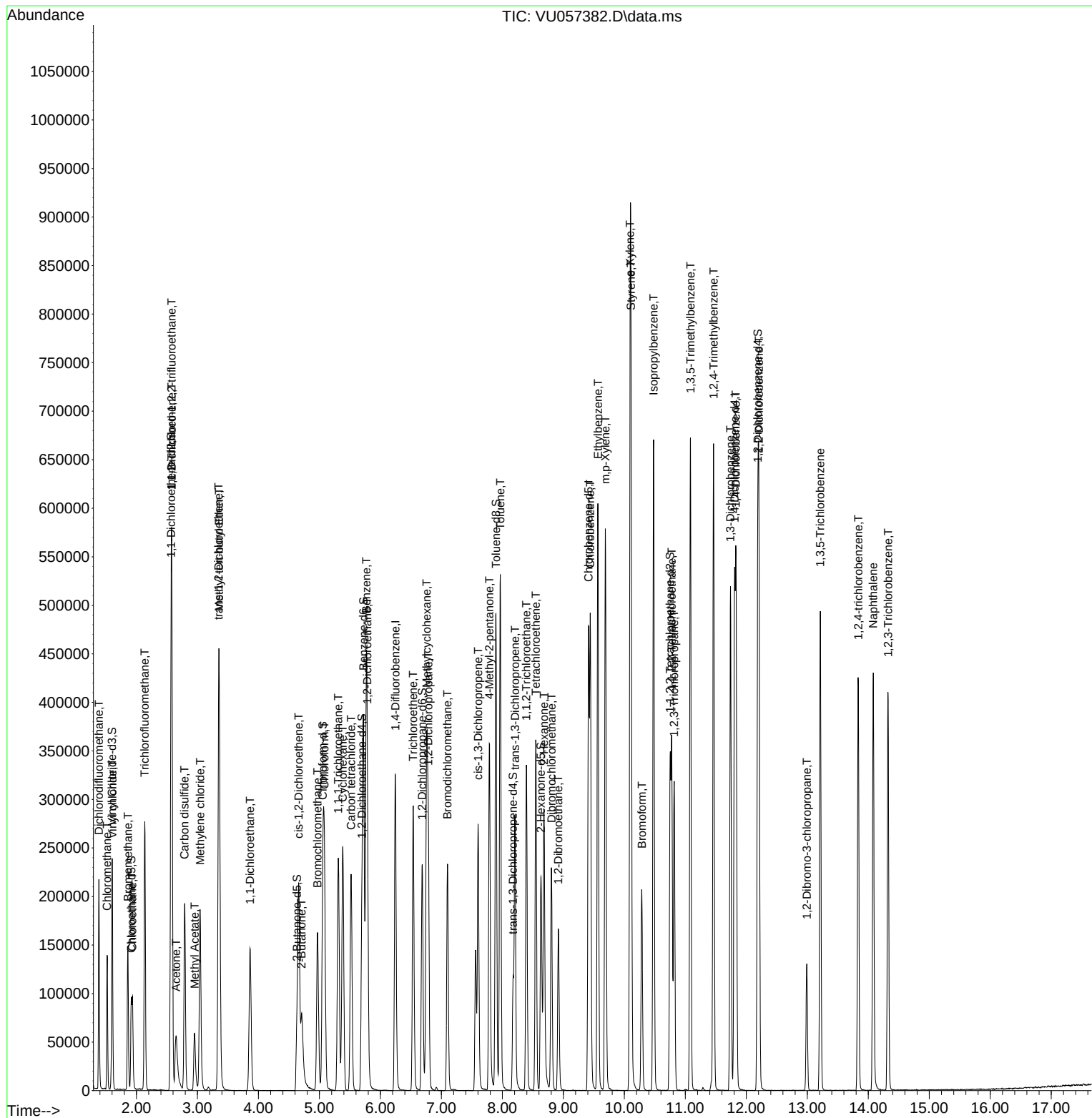
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	172768	49.516	ug/L	99
29) Cyclohexane	5.383	56	118928	49.405	ug/L	100
30) 1,1,1-Trichloroethane	5.309	97	185762	47.453	ug/L	99
31) Carbon tetrachloride	5.518	117	159934	46.063	ug/L	98
33) Benzene	5.769	78	364966	51.042	ug/L	100
34) Trichloroethene	6.538	95	102929	49.306	ug/L	99
35) Methylcyclohexane	6.759	83	143611	50.564	ug/L	100
37) 1,2-Dichloropropane	6.785	63	87932	49.835	ug/L	98
38) Bromodichloromethane	7.100	83	154325	51.630	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	164898	53.369	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	214777	119.464	ug/L	98
42) Toluene	7.965	91	390809	50.829	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	167611	54.034	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	101512	52.286	ug/L	96
46) Tetrachloroethene	8.547	164	75196	47.618	ug/L	97
48) 2-Hexanone	8.682	43	177354	122.616	ug/L	98
49) Dibromochloromethane	8.804	129	119892	50.673	ug/L	99
50) 1,2-Dibromoethane	8.917	107	110736	53.771	ug/L	96
51) Chlorobenzene	9.441	112	248740	48.147	ug/L	99
52) Ethylbenzene	9.566	91	429333	50.145	ug/L	99
53) m,p-Xylene	9.689	106	161127	50.344	ug/L	98
54) o-Xylene	10.094	106	158928	50.847	ug/L	99
55) Styrene	10.110	104	272917	51.563	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	155684	53.181	ug/L	97
59) Bromoform	10.287	173	94267	50.383	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	131305	53.722	ug/L	100
61) Isopropylbenzene	10.479	105	424671	50.254	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	371422	51.394	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	373365	52.628	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	203741	51.159	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	204068	49.918	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	201570	50.216	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	37202	57.003	ug/L	97
69) 1,3,5-Trichlorobenzene	13.213	180	145696	51.108	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	127128	58.573	ug/L	99
71) Naphthalene	14.081	128	345000	68.029	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	121829	59.355	ug/L	98

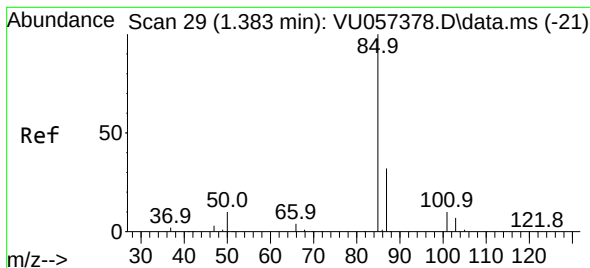
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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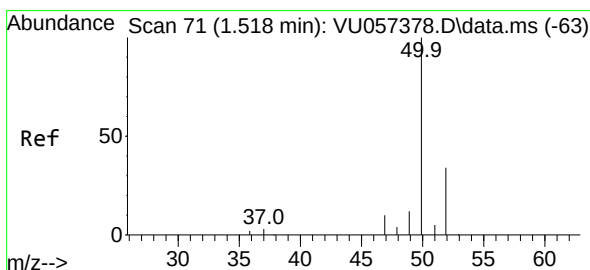
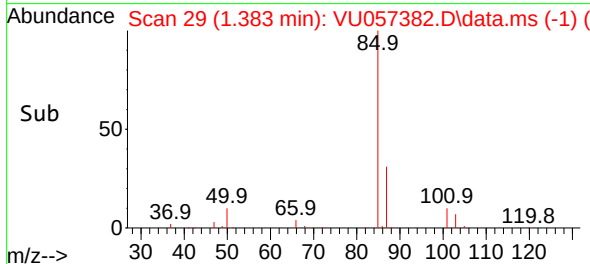
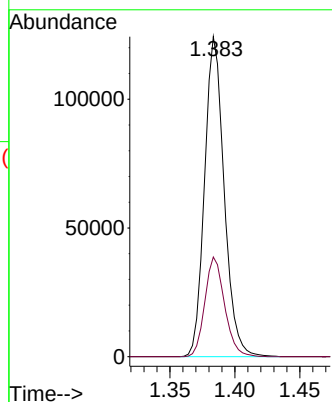
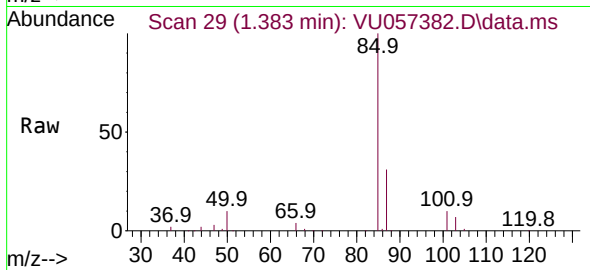




#2
 Dichlorodifluoromethane
 Concen: 43.054 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU057382.D
 Acq: 08 Jan 2024 14:21

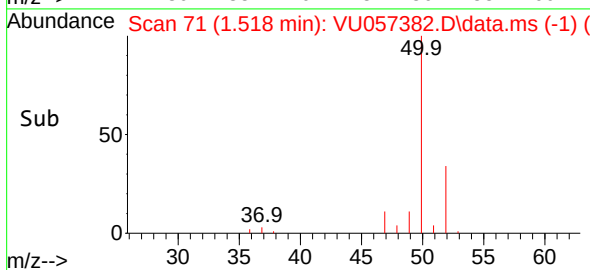
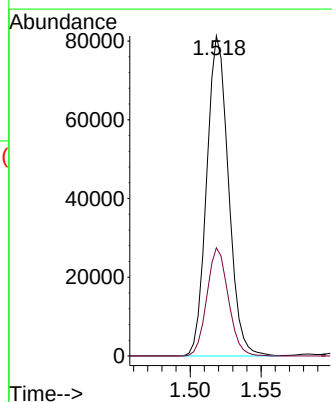
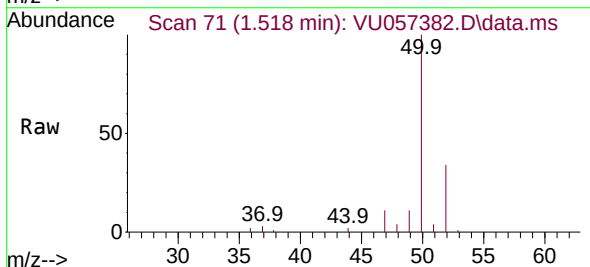
Instrument :
 MSVOA_U
 ClientSampleId :

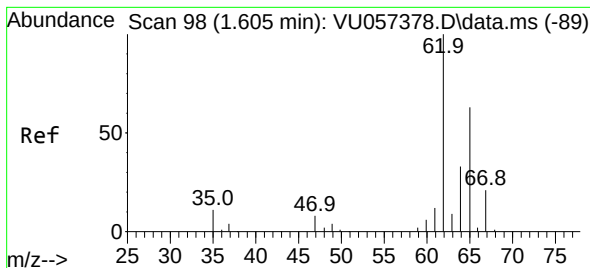
Tgt Ion: 85 Resp: 130630
 Ion Ratio Lower Upper
 85 100
 87 31.3 25.8 38.6



#3
 Chloromethane
 Concen: 45.643 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU057382.D
 Acq: 08 Jan 2024 14:21

Tgt Ion: 50 Resp: 86898
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.7 43.9





#5

Vinyl chloride

Concen: 45.593 ug/L

RT: 1.605 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

Instrument :

MSVOA_U

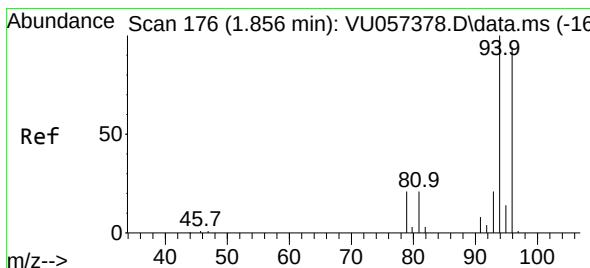
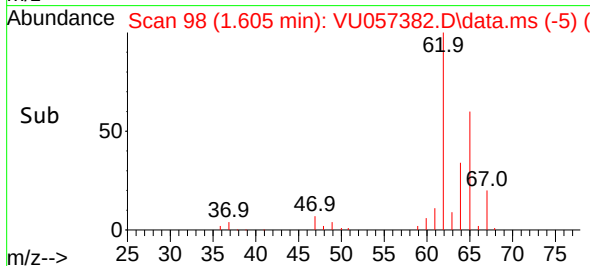
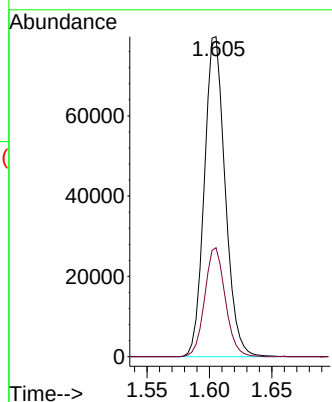
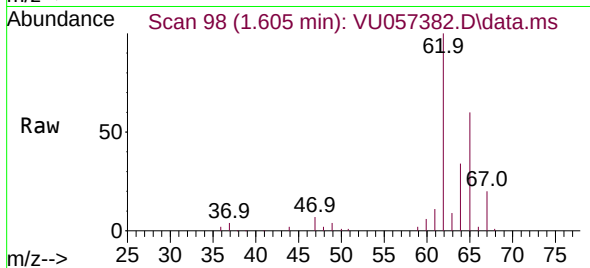
ClientSampleId :

Tgt Ion: 62 Resp: 92926

Ion Ratio Lower Upper

62 100

64 34.0 23.3 43.3



#6

Bromomethane

Concen: 49.228 ug/L

RT: 1.859 min Scan# 177

Delta R.T. 0.003 min

Lab File: VU057382.D

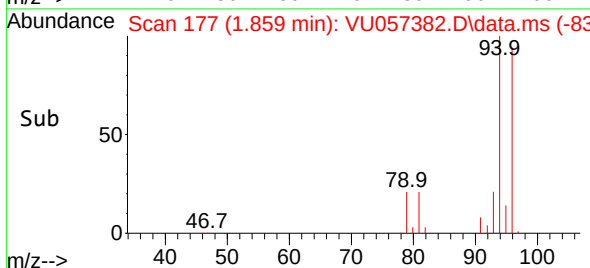
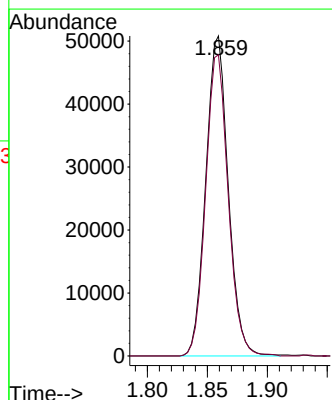
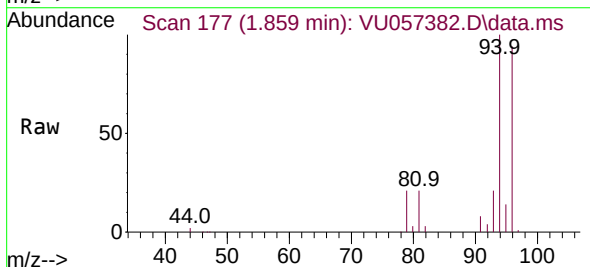
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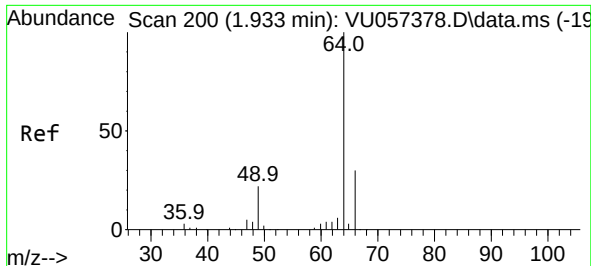
Tgt Ion: 94 Resp: 66409

Ion Ratio Lower Upper

94 100

96 94.1 65.9 122.5





#8

Chloroethane

Concen: 46.249 ug/L

RT: 1.933 min Scan# 200

Delta R.T. 0.000 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

Instrument :

MSVOA_U

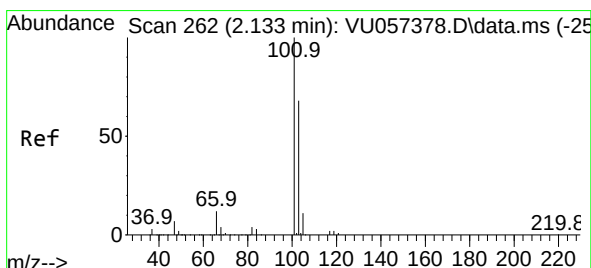
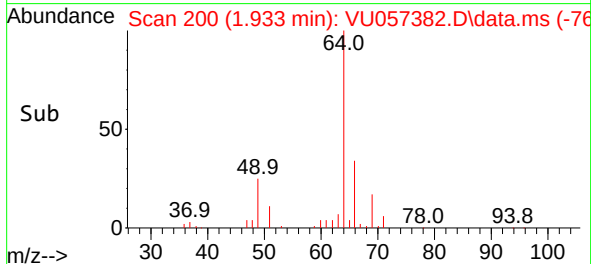
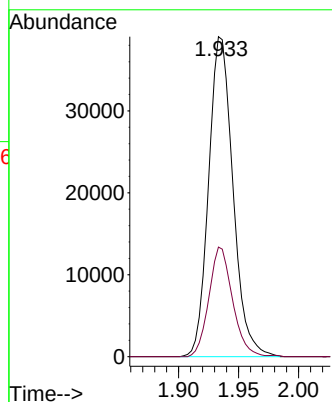
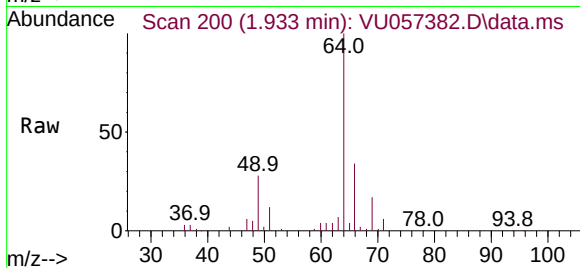
ClientSampleId :

Tgt Ion: 64 Resp: 55137

Ion Ratio Lower Upper

64 100

66 34.2 20.9 38.9



#9

Trichlorofluoromethane

Concen: 42.549 ug/L

RT: 2.136 min Scan# 263

Delta R.T. 0.003 min

Lab File: VU057382.D

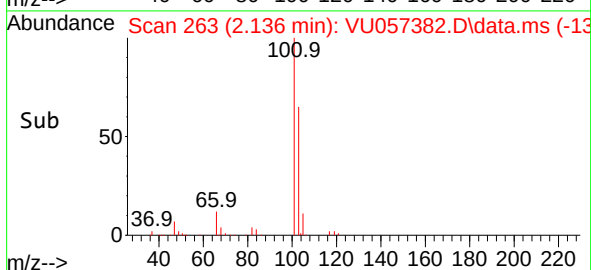
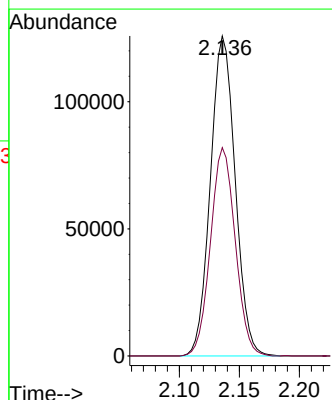
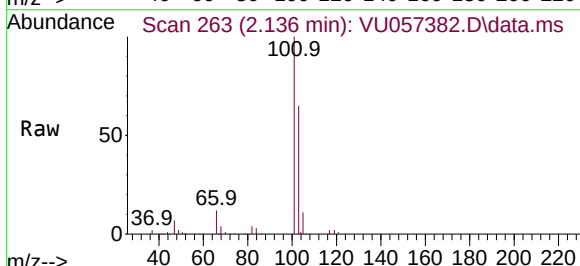
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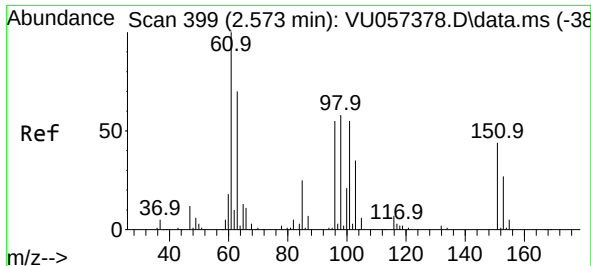
Tgt Ion:101 Resp: 180945

Ion Ratio Lower Upper

101 100

103 65.0 53.4 80.0

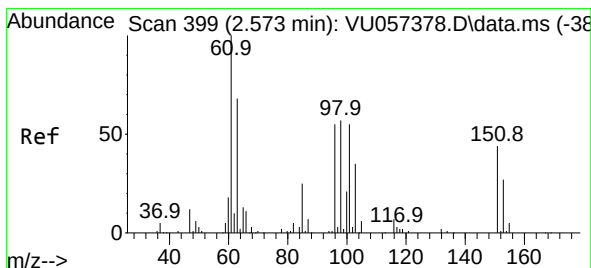
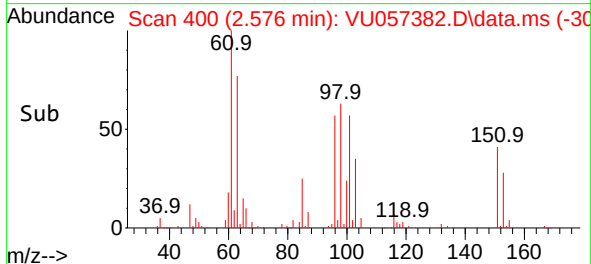
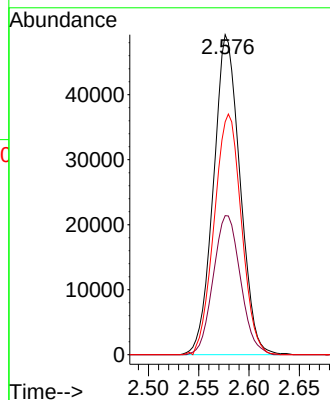
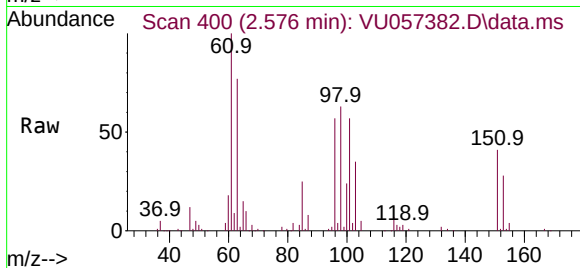




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 44.286 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

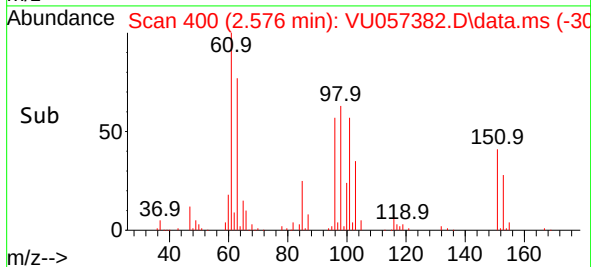
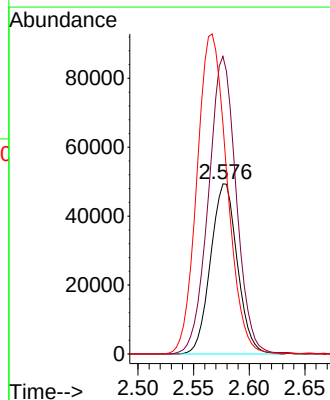
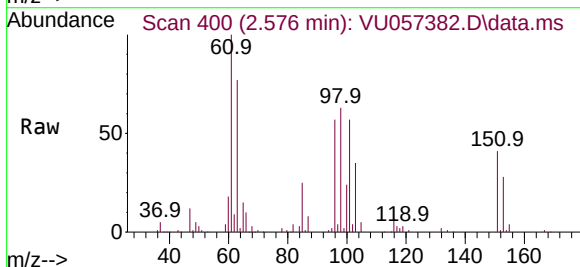
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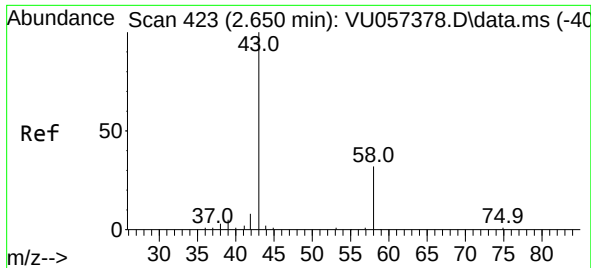
Tgt Ion:101 Resp: 90446
Ion Ratio Lower Upper
101 100
85 44.6 37.0 55.4
151 77.1 63.7 95.5



#12
1,1-Dichloroethene
Concen: 45.749 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

Tgt Ion: 96 Resp: 82443
Ion Ratio Lower Upper
96 100
61 175.0 128.3 238.3
63 135.6 90.4 168.0





#13

Acetone

Concen: 99.701 ug/L

RT: 2.650 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

Instrument :

MSVOA_U

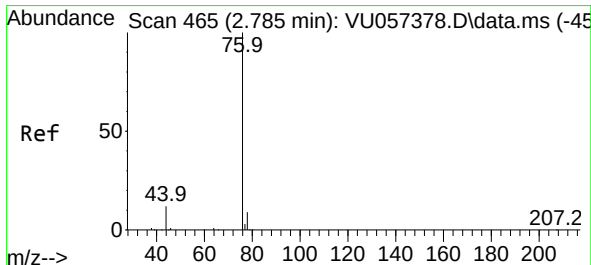
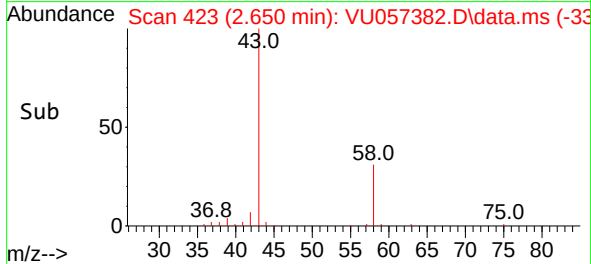
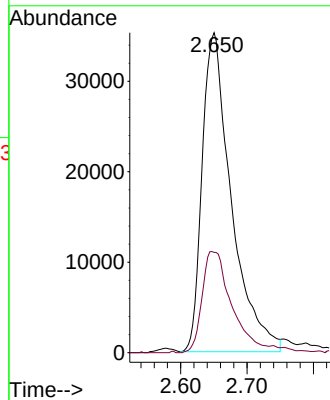
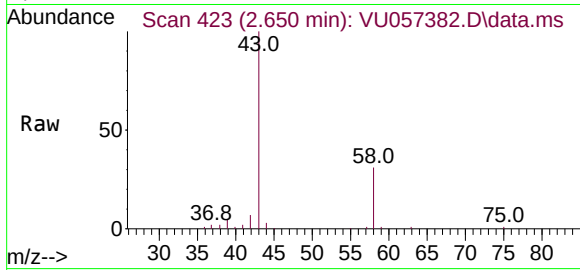
ClientSampleId :

Tgt Ion: 43 Resp: 107690

Ion Ratio Lower Upper

43 100

58 32.0 0.0 65.2



#14

Carbon disulfide

Concen: 45.962 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.003 min

Lab File: VU057382.D

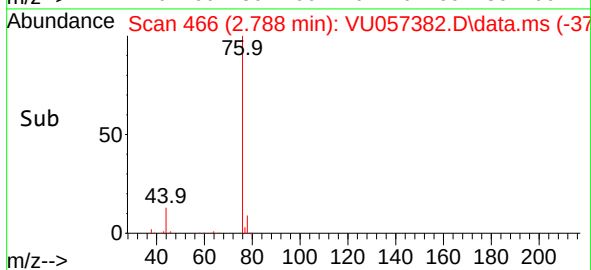
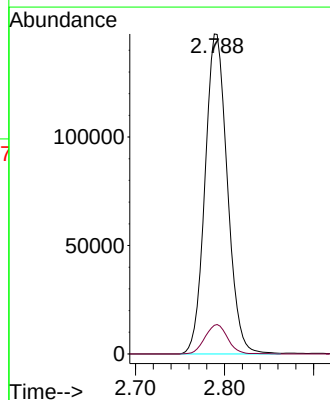
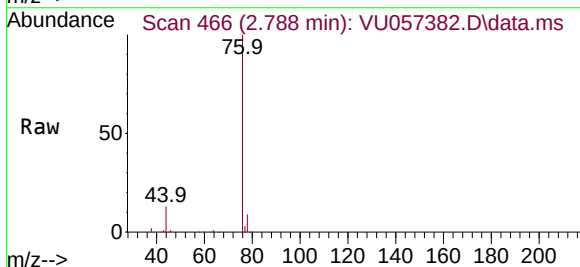
Acq: 08 Jan 2024 14:21

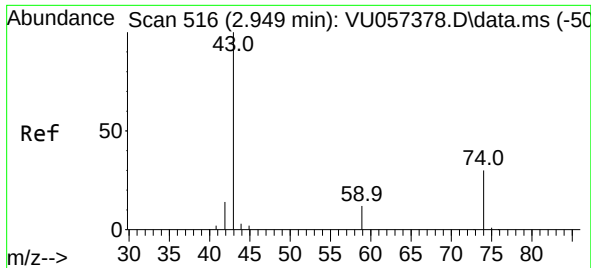
Tgt Ion: 76 Resp: 256542

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

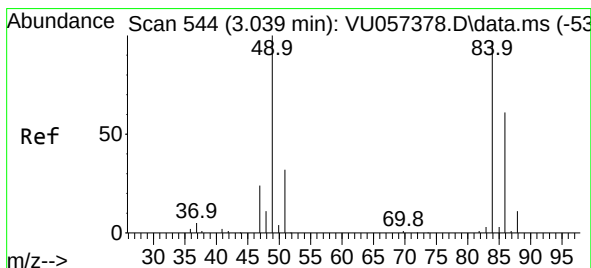
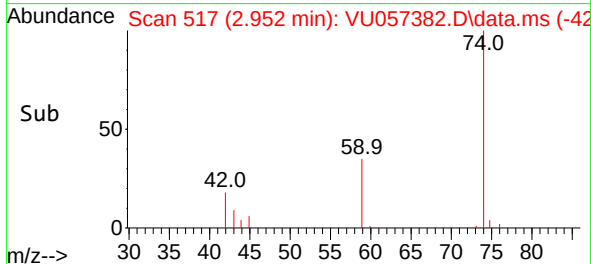
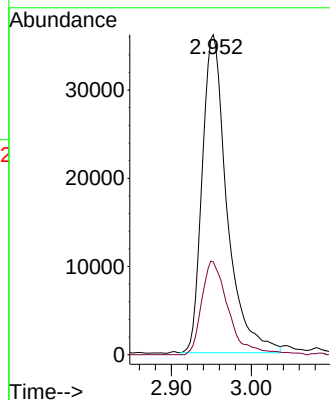
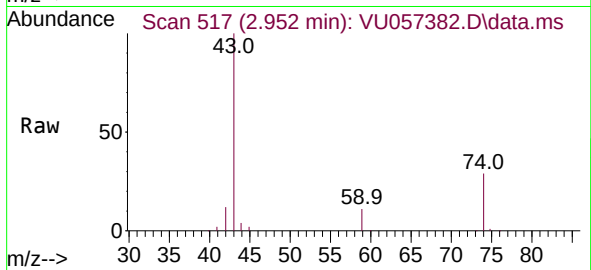




#15
Methyl Acetate
Concen: 55.291 ug/L
RT: 2.952 min Scan# 516
Delta R.T. 0.003 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

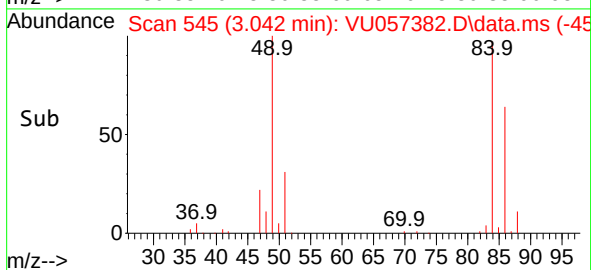
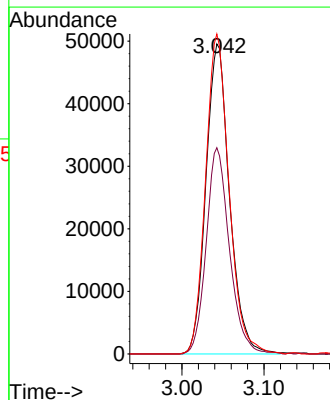
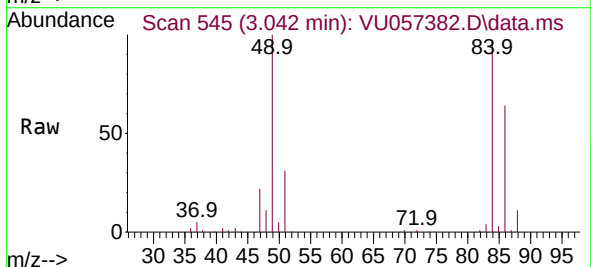
Instrument :
MSVOA_U
ClientSampleId :

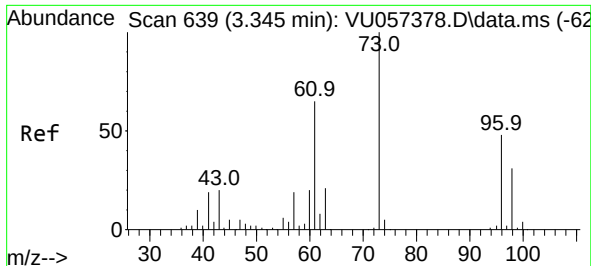
Tgt Ion: 43 Resp: 77909
Ion Ratio Lower Upper
43 100
74 31.4 24.6 36.8



#16
Methylene chloride
Concen: 48.332 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

Tgt Ion: 84 Resp: 99029
Ion Ratio Lower Upper
84 100
86 66.5 44.3 82.3
49 103.2 72.2 134.2

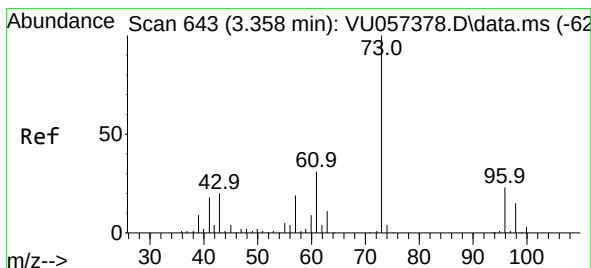
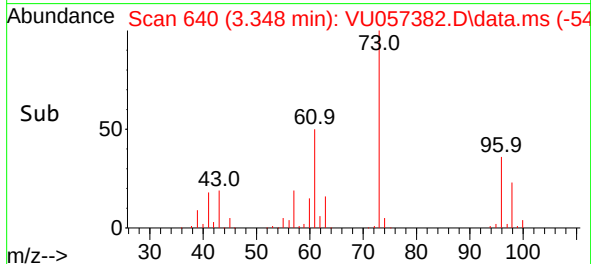
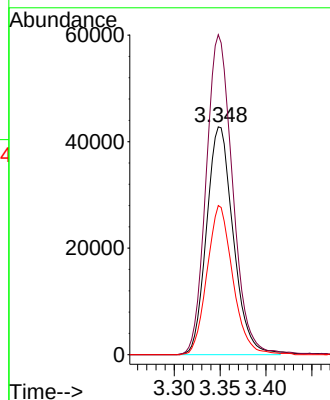
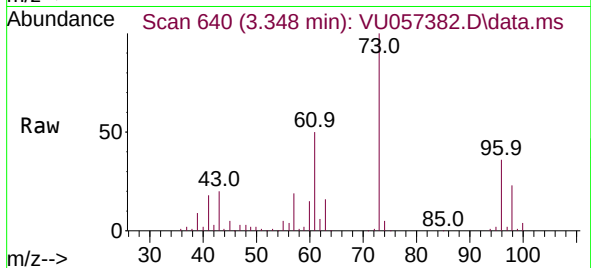




#17
trans-1,2-Dichloroethene
Concen: 46.988 ug/L
RT: 3.348 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

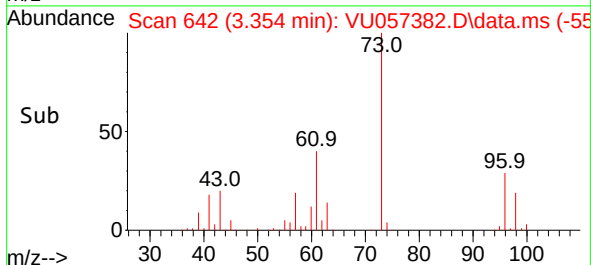
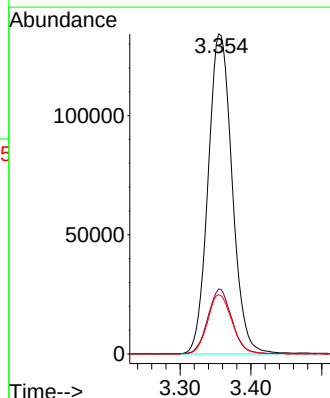
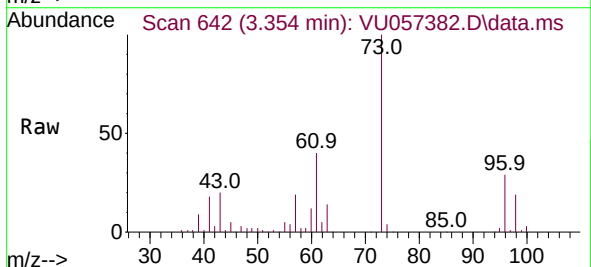
Instrument :
MSVOA_U
ClientSampleId :

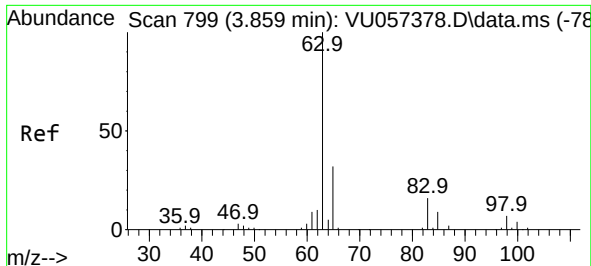
Tgt Ion: 96 Resp: 86625
Ion Ratio Lower Upper
96 100
61 140.5 93.9 174.5
98 65.4 44.8 83.2



#18
Methyl tert-butyl Ether
Concen: 53.629 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.003 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

Tgt Ion: 73 Resp: 316467
Ion Ratio Lower Upper
73 100
43 20.1 16.3 24.5
57 19.0 15.0 22.6





#19

1,1-Dichloroethane

Concen: 48.537 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

Instrument :

MSVOA_U

ClientSampleId :

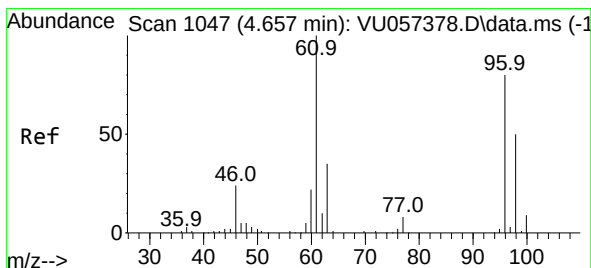
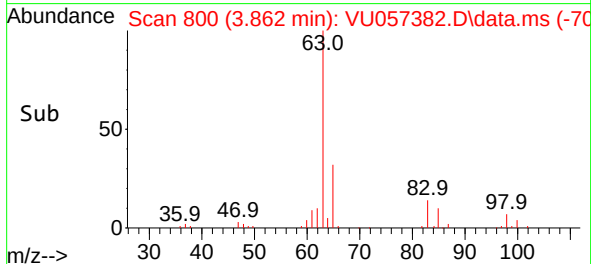
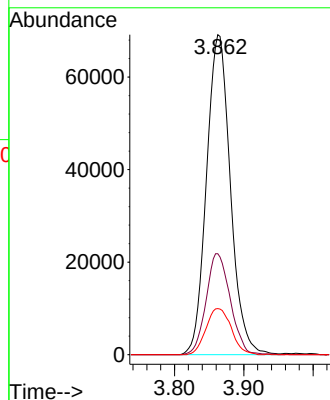
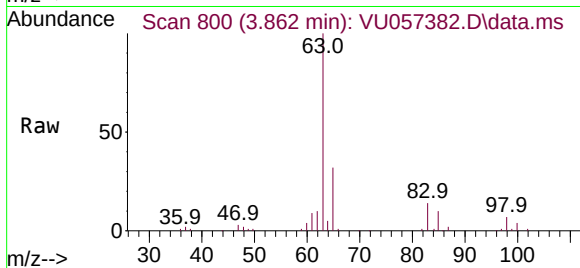
Tgt Ion: 63 Resp: 165657

Ion Ratio Lower Upper

63 100

65 31.6 22.4 41.6

83 14.4 11.3 21.1



#20

cis-1,2-Dichloroethene

Concen: 50.384 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

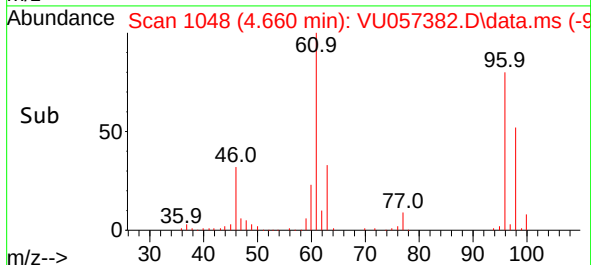
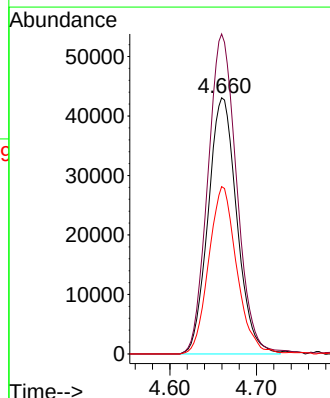
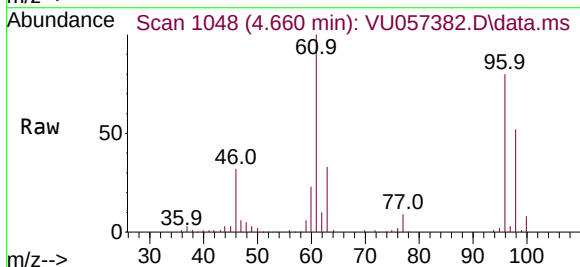
Tgt Ion: 96 Resp: 99361

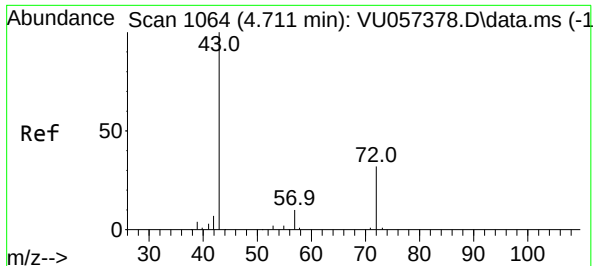
Ion Ratio Lower Upper

96 100

61 124.9 88.0 163.4

98 65.4 43.4 80.6





#22

2-Butanone

Concen: 114.146 ug/L

RT: 4.708 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

Instrument :

MSVOA_U

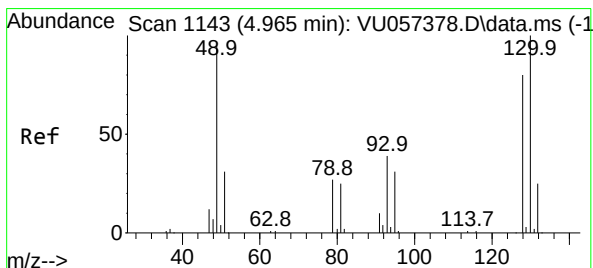
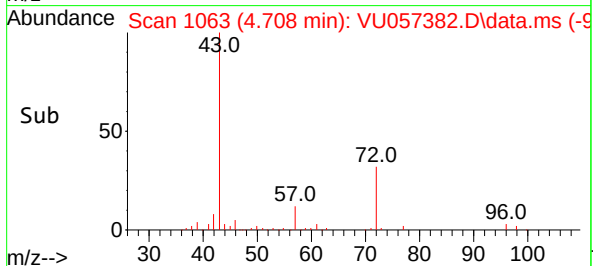
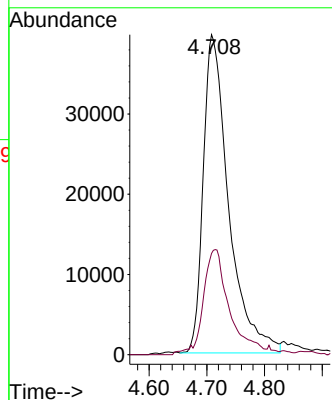
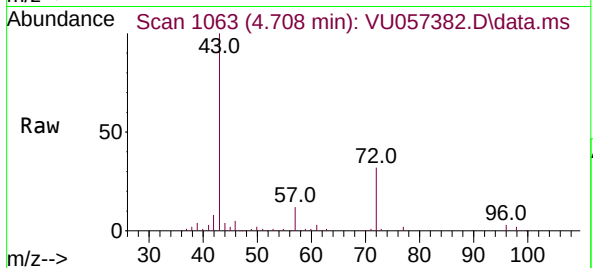
ClientSampleId :

Tgt Ion: 43 Resp: 121484

Ion Ratio Lower Upper

43 100

72 31.7 15.2 45.6



#23

Bromochloromethane

Concen: 49.422 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. 0.003 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

Tgt Ion:128 Resp: 55948

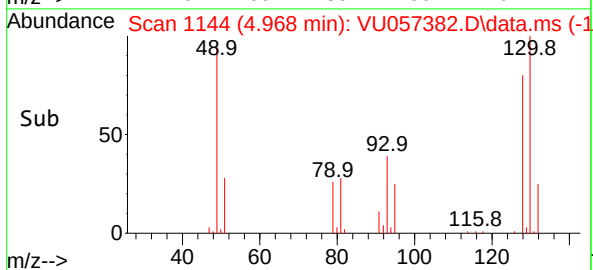
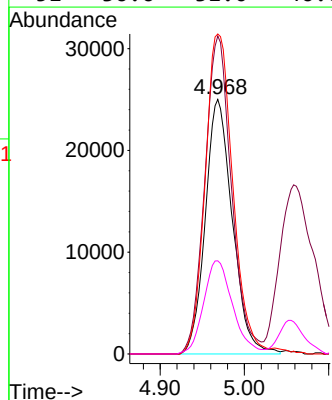
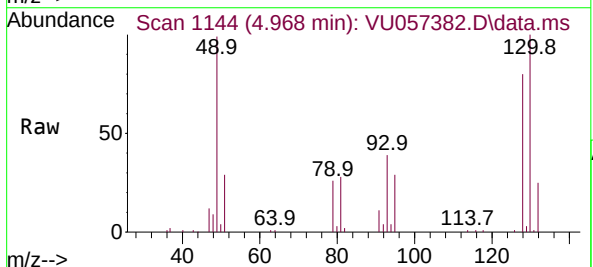
Ion Ratio Lower Upper

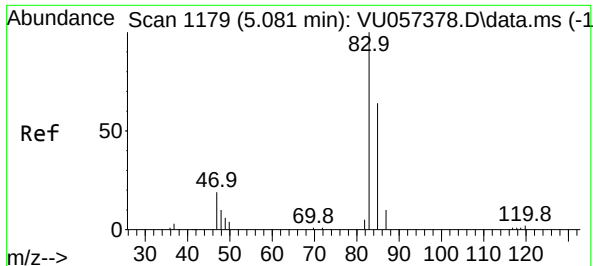
128 100

49 124.9 83.4 154.8

130 125.7 87.6 162.6

51 36.6 31.0 46.6





#25

Chloroform

Concen: 47.755 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

Instrument :

MSVOA_U

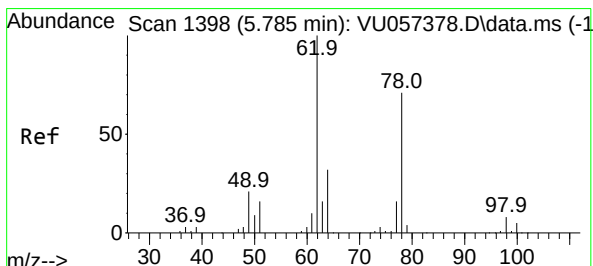
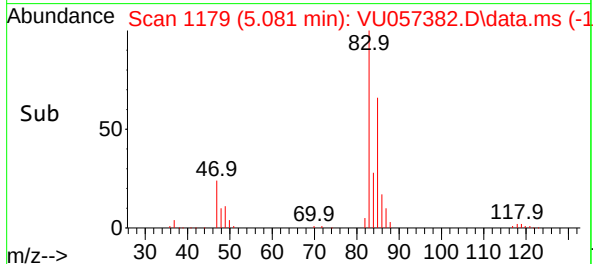
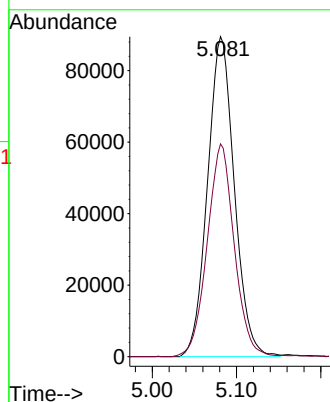
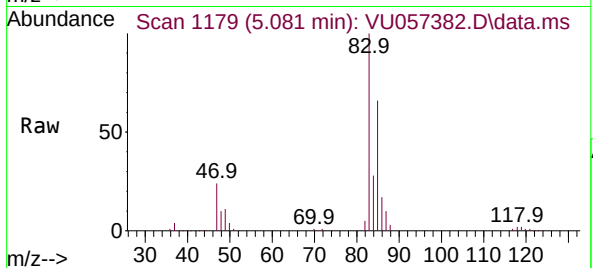
ClientSampleId :

Tgt Ion: 83 Resp: 197807

Ion Ratio Lower Upper

83 100

85 66.5 45.5 84.5



#27

1,2-Dichloroethane

Concen: 49.516 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU057382.D

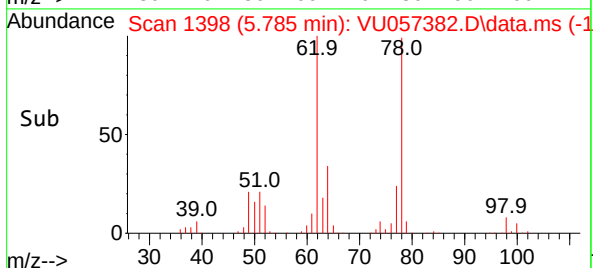
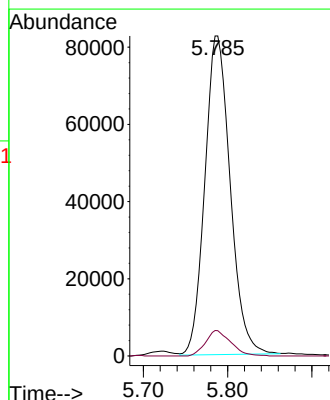
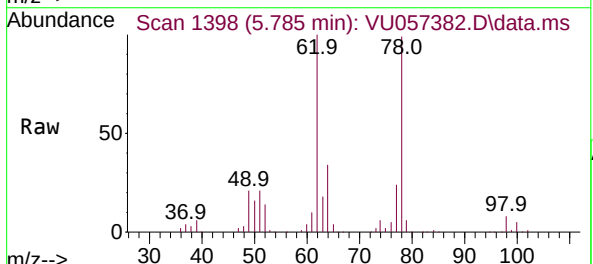
Acq: 08 Jan 2024 14:21

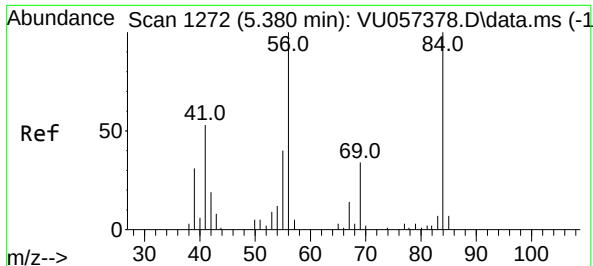
Tgt Ion: 62 Resp: 172768

Ion Ratio Lower Upper

62 100

98 7.9 6.1 9.1





#29

Cyclohexane

Concen: 49.405 ug/L

RT: 5.383 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

Instrument :

MSVOA_U

ClientSampleId :

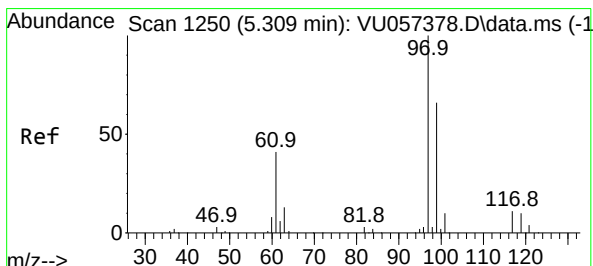
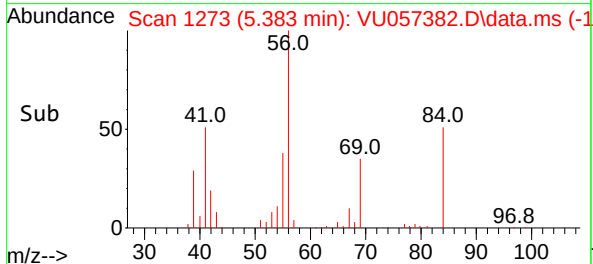
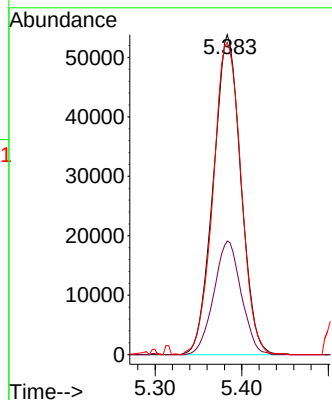
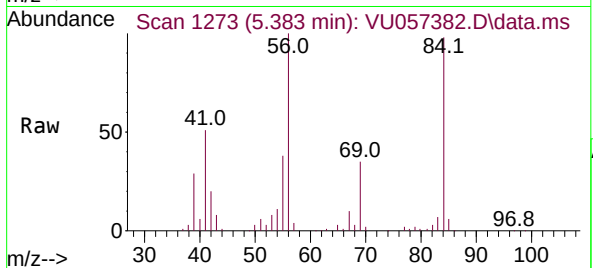
Tgt Ion: 56 Resp: 118928

Ion Ratio Lower Upper

56 100

69 35.2 27.8 41.8

84 98.8 79.3 118.9



#30

1,1,1-Trichloroethane

Concen: 47.453 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.000 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

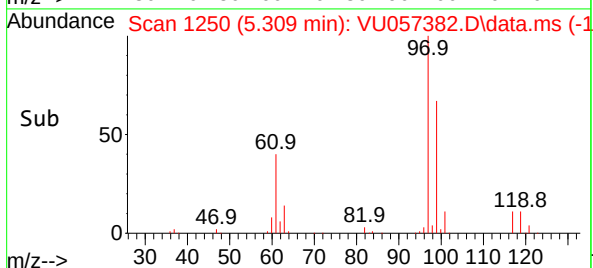
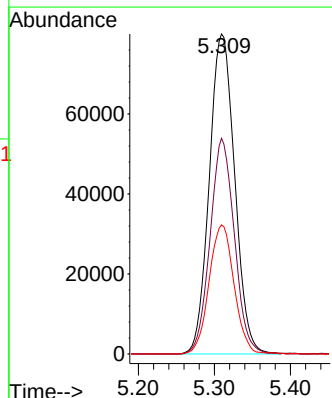
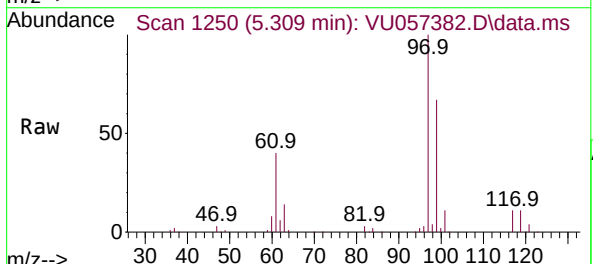
Tgt Ion: 97 Resp: 185762

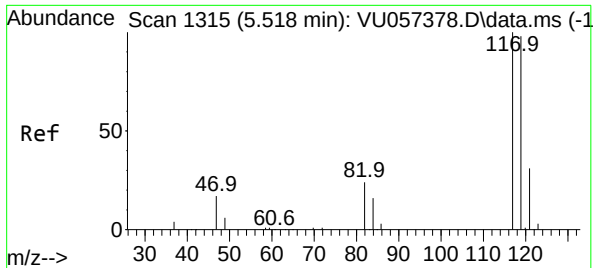
Ion Ratio Lower Upper

97 100

99 64.4 52.1 78.1

61 39.6 31.9 47.9

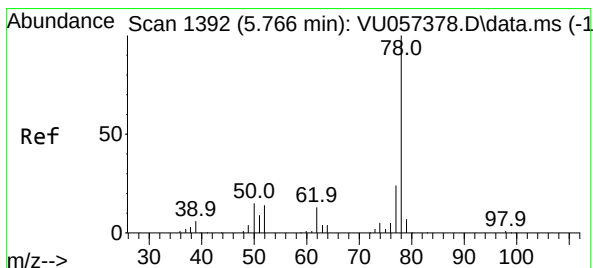
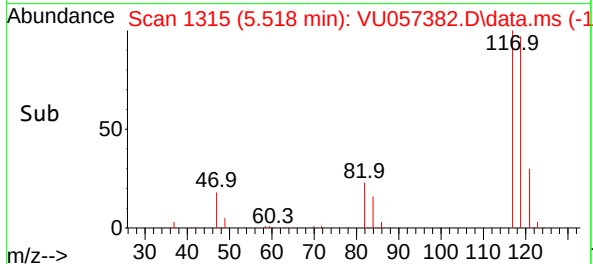
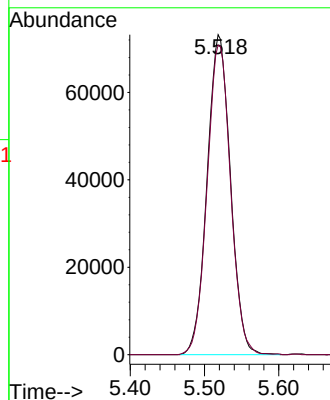
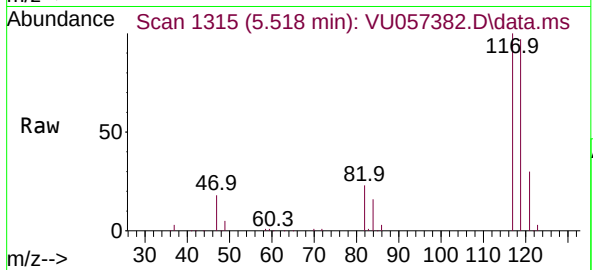




#31
Carbon tetrachloride
Concen: 46.063 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

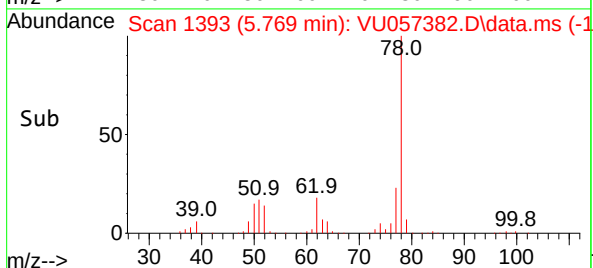
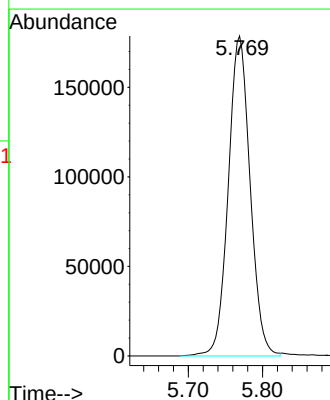
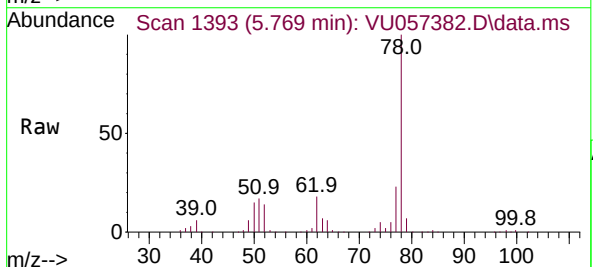
Instrument :
MSVOA_U
ClientSampleId :

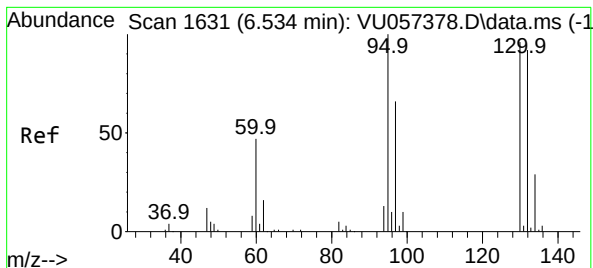
Tgt Ion:117 Resp: 159934
Ion Ratio Lower Upper
117 100
119 97.5 76.5 114.7



#33
Benzene
Concen: 51.042 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

Tgt Ion: 78 Resp: 364966





#34

Trichloroethene

Concen: 49.306 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 102929

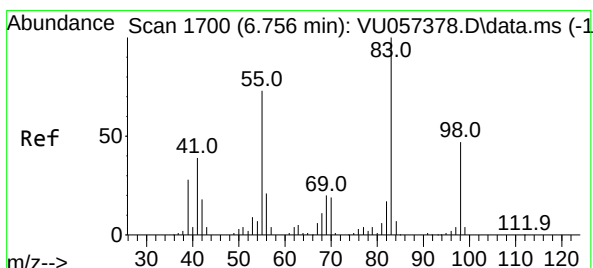
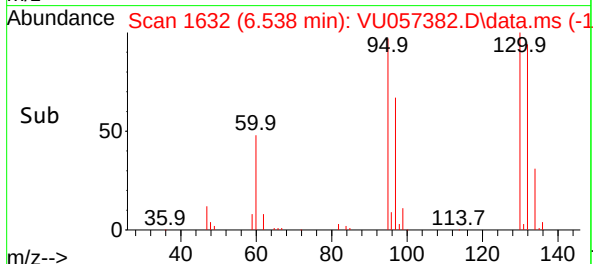
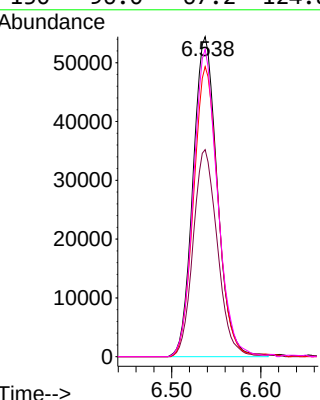
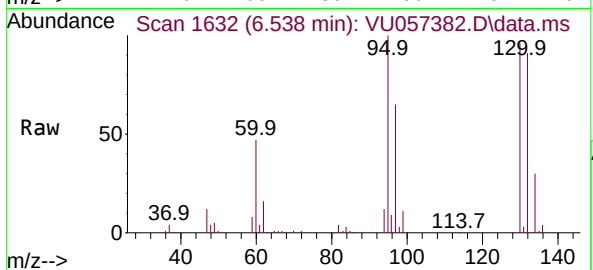
Ion Ratio Lower Upper

95 100

97 64.7 46.2 85.8

132 90.6 64.3 119.5

130 96.0 67.2 124.8



#35

Methylcyclohexane

Concen: 50.564 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

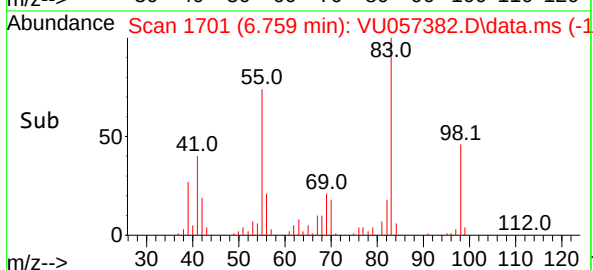
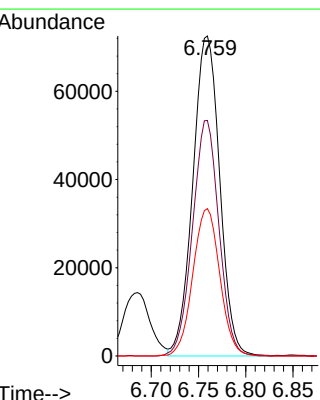
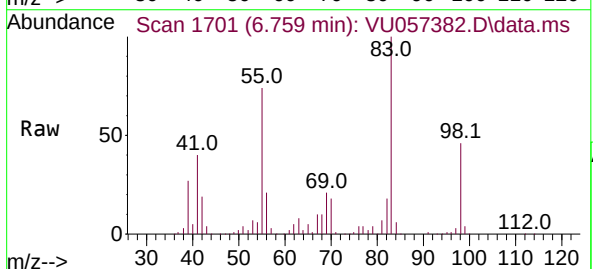
Tgt Ion: 83 Resp: 143611

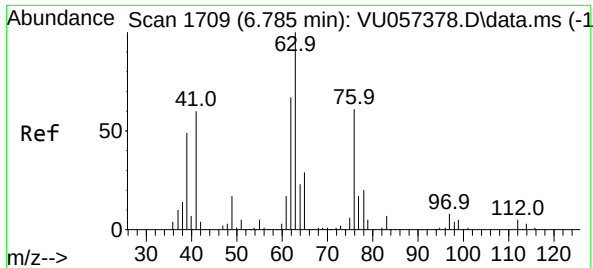
Ion Ratio Lower Upper

83 100

55 72.3 58.0 87.0

98 46.1 36.6 55.0





#37

1,2-Dichloropropane

Concen: 49.835 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

Instrument :

MSVOA_U

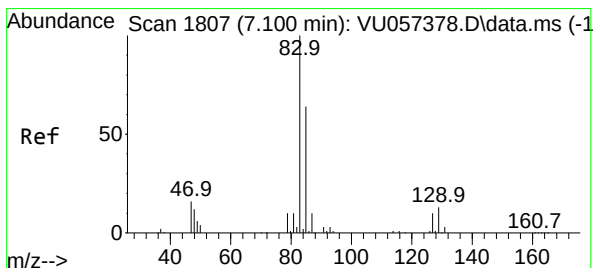
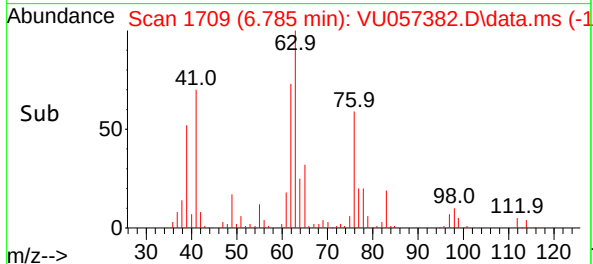
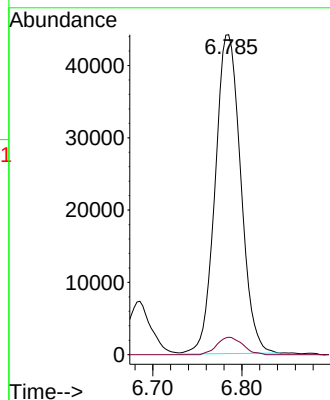
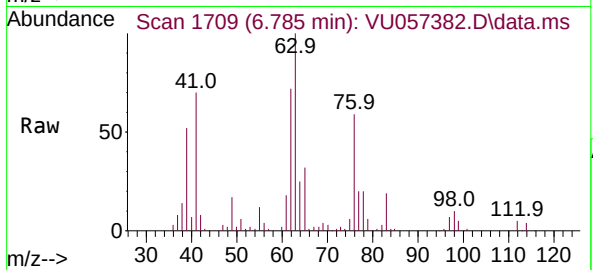
ClientSampleId :

Tgt Ion: 63 Resp: 87932

Ion Ratio Lower Upper

63 100

112 5.5 3.8 5.8



#38

Bromodichloromethane

Concen: 51.630 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

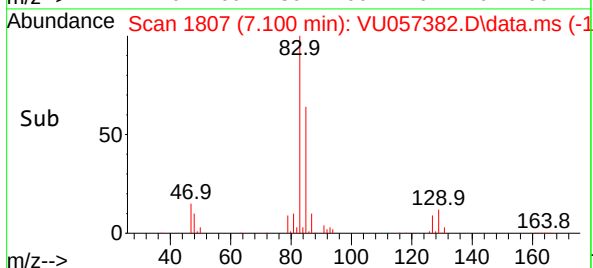
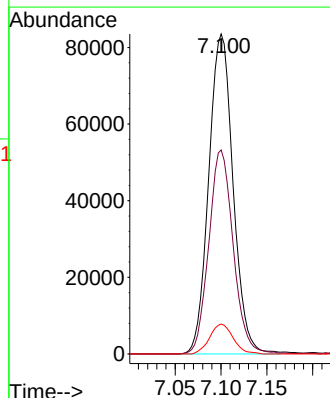
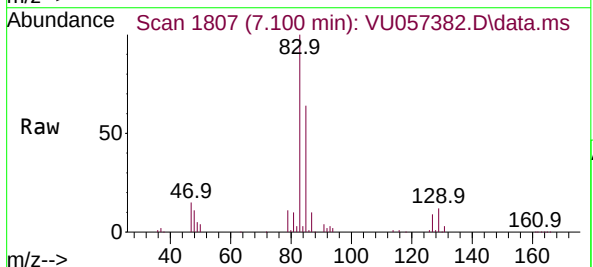
Tgt Ion: 83 Resp: 154325

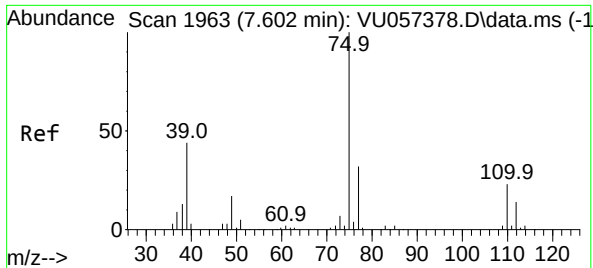
Ion Ratio Lower Upper

83 100

85 63.7 44.7 83.1

127 9.4 7.7 11.5





#39

cis-1,3-Dichloropropene

Concen: 53.369 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

Instrument :

MSVOA_U

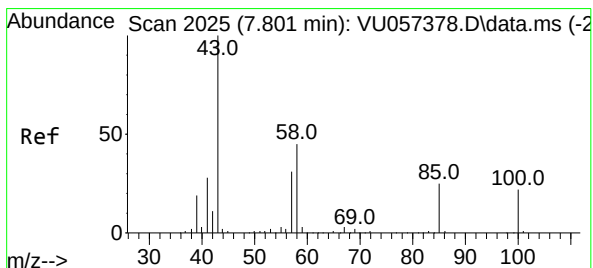
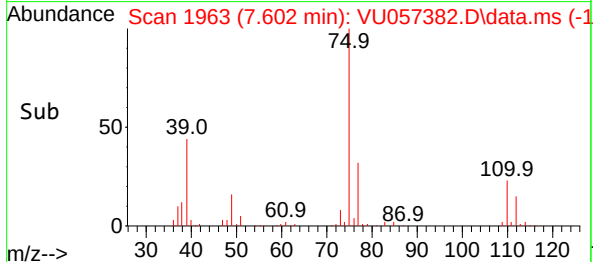
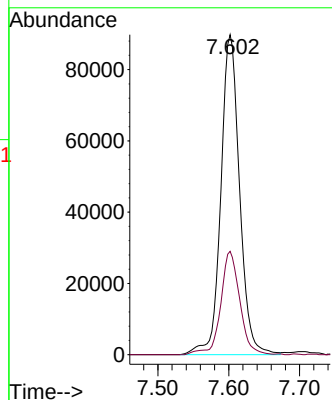
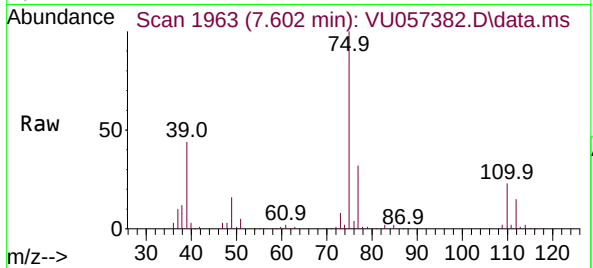
ClientSampleId :

Tgt Ion: 75 Resp: 164898

Ion Ratio Lower Upper

75 100

77 32.3 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 119.464 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.016 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

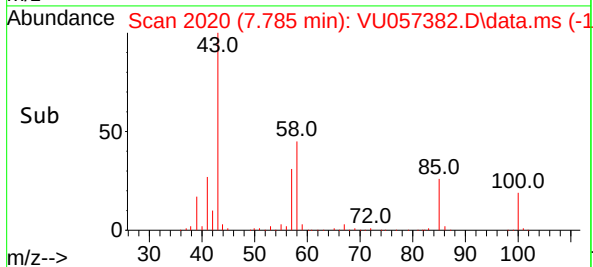
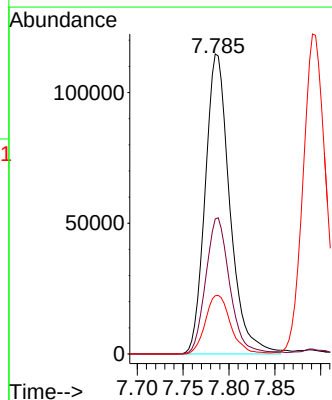
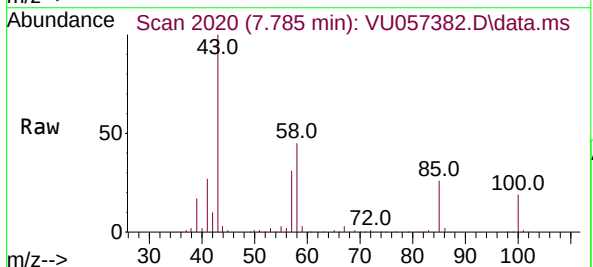
Tgt Ion: 43 Resp: 214777

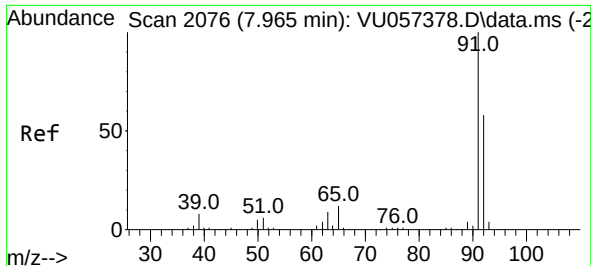
Ion Ratio Lower Upper

43 100

58 44.3 36.2 54.4

100 20.0 16.6 24.8





#42

Toluene

Concen: 50.829 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

Instrument :

MSVOA_U

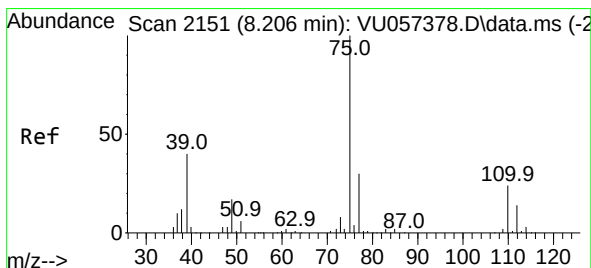
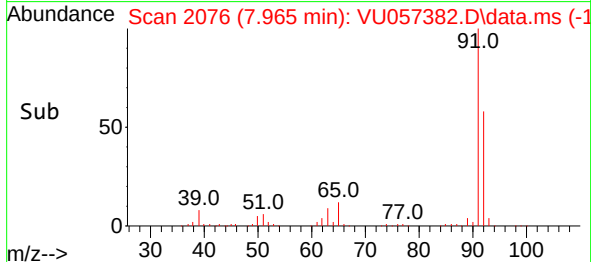
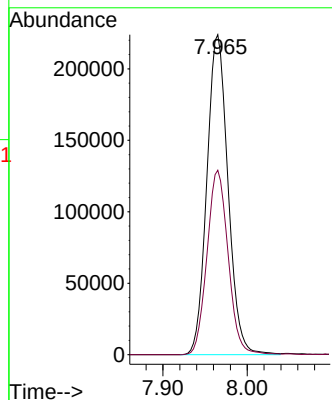
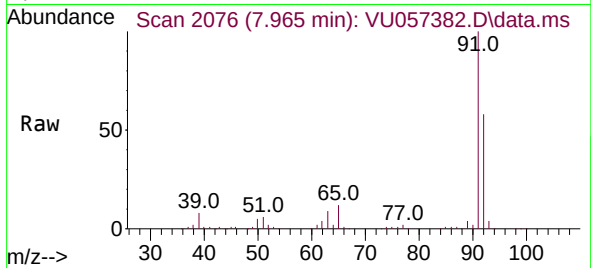
ClientSampleId :

Tgt Ion: 91 Resp: 390809

Ion Ratio Lower Upper

91 100

92 57.6 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 54.034 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU057382.D

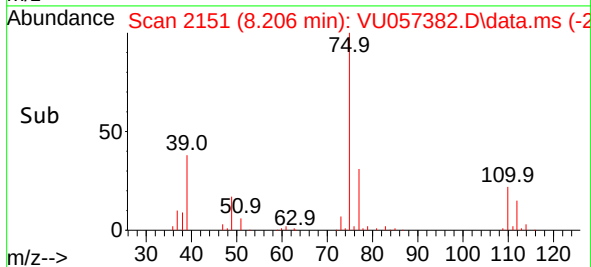
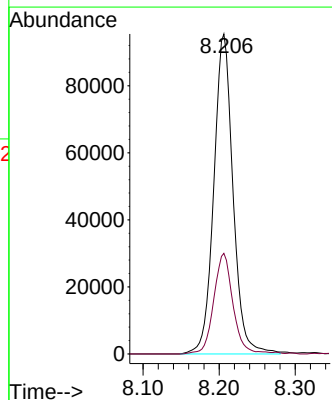
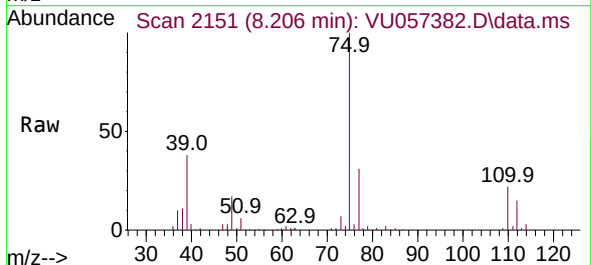
Acq: 08 Jan 2024 14:21

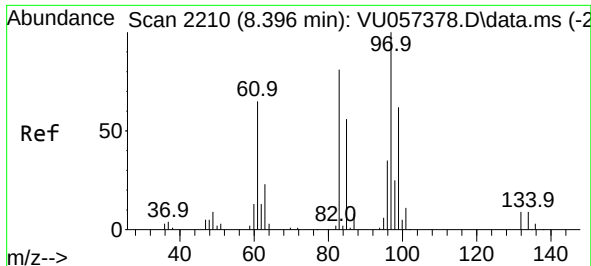
Tgt Ion: 75 Resp: 167611

Ion Ratio Lower Upper

75 100

77 31.4 21.3 39.5





#45

1,1,2-Trichloroethane

Concen: 52.286 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. -0.003 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 101512

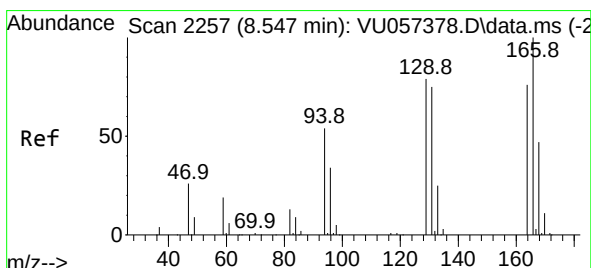
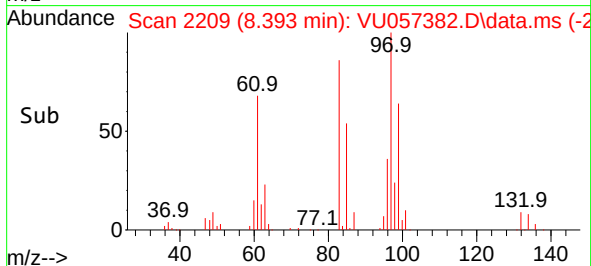
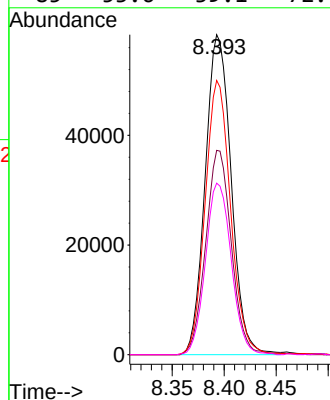
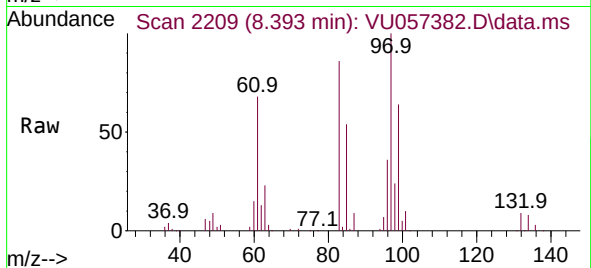
Ion Ratio Lower Upper

97 100

99 63.9 43.3 80.5

83 85.7 56.9 105.7

85 53.6 39.1 72.7



#46

Tetrachloroethene

Concen: 47.618 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

Tgt Ion:164 Resp: 75196

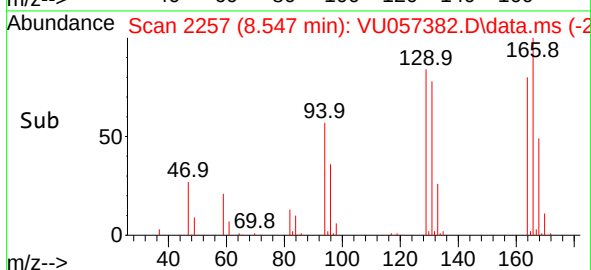
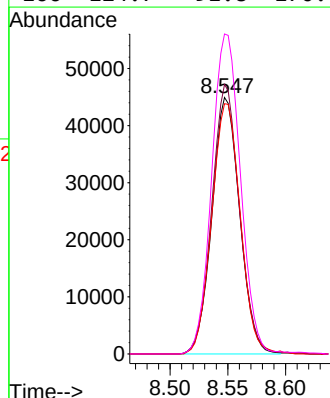
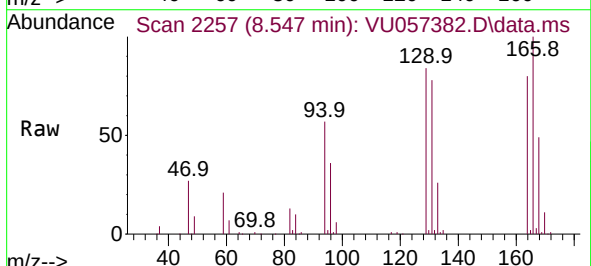
Ion Ratio Lower Upper

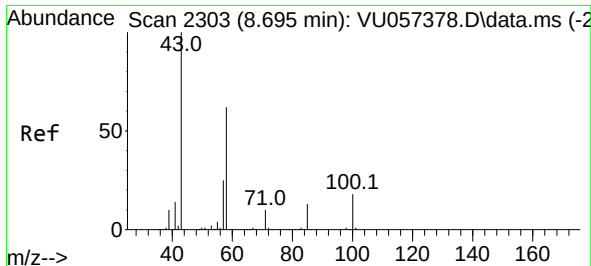
164 100

129 105.0 72.3 134.3

131 97.5 68.8 127.8

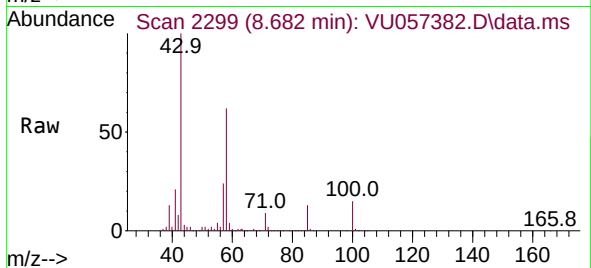
166 124.7 91.8 170.4



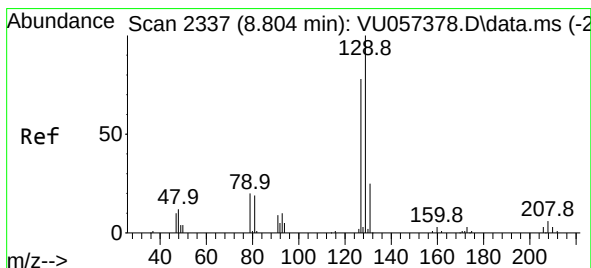
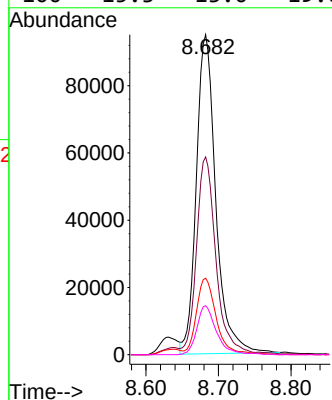
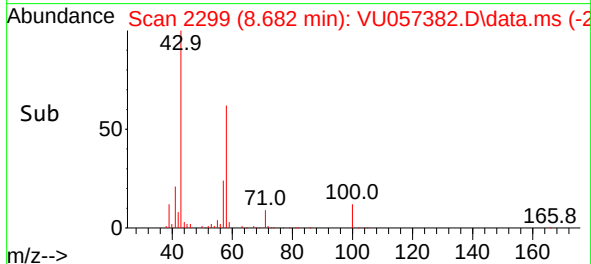


#48
2-Hexanone
Concen: 122.616 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.013 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

Instrument :
MSVOA_U
ClientSampleId :

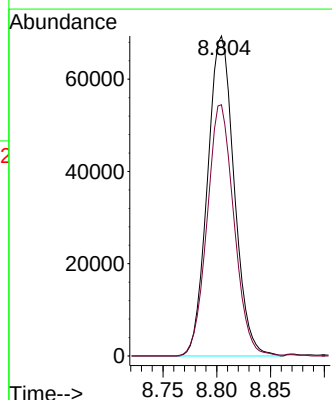
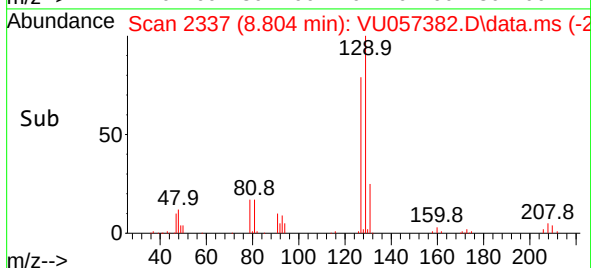
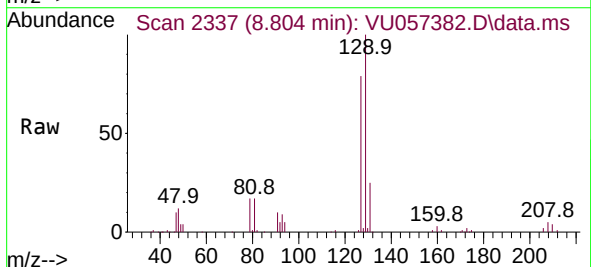


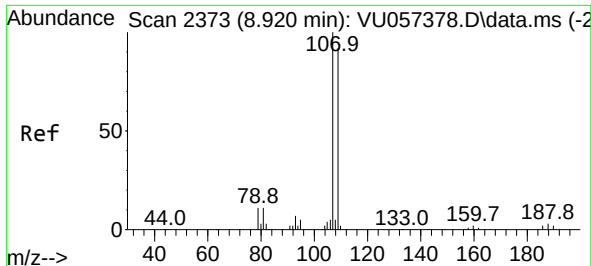
Tgt Ion: 43 Resp: 177354
Ion Ratio Lower Upper
43 100
58 60.2 49.4 74.2
57 24.6 19.1 28.7
100 15.3 13.0 19.6



#49
Dibromochloromethane
Concen: 50.673 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

Tgt Ion: 129 Resp: 119892
Ion Ratio Lower Upper
129 100
127 78.5 54.5 101.1





#50

1,2-Dibromoethane

Concen: 53.771 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

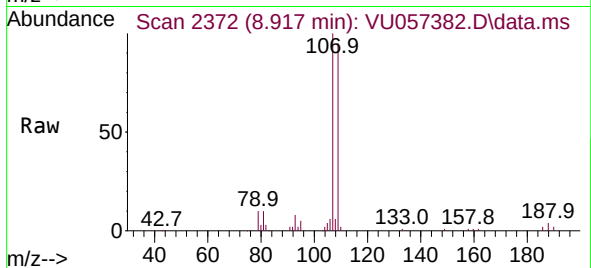
Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

Instrument :

MSVOA_U

ClientSampleId :



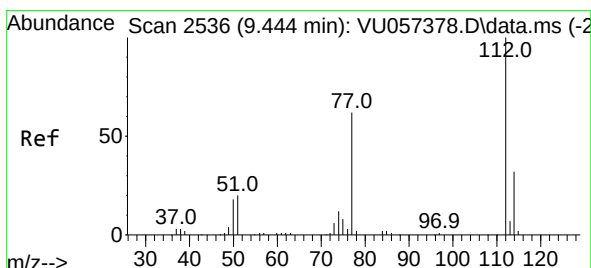
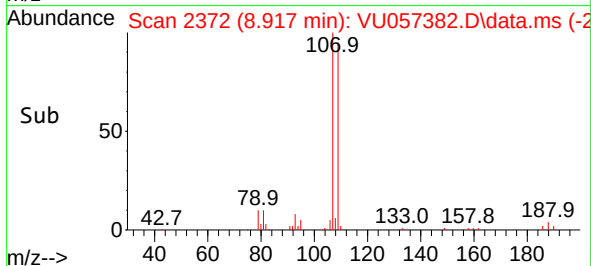
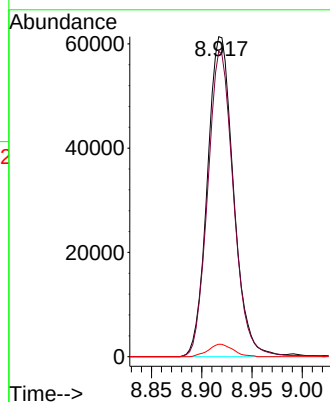
Tgt Ion:107 Resp: 110736

Ion Ratio Lower Upper

107 100

109 95.4 64.4 119.6

188 3.9 2.8 4.2



#51

Chlorobenzene

Concen: 48.147 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

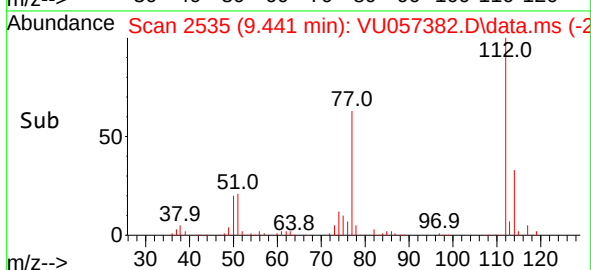
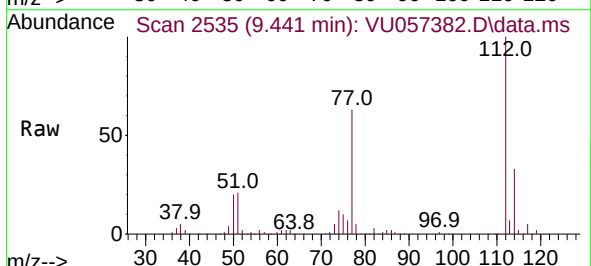
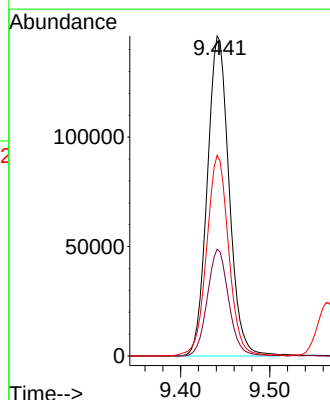
Tgt Ion:112 Resp: 248740

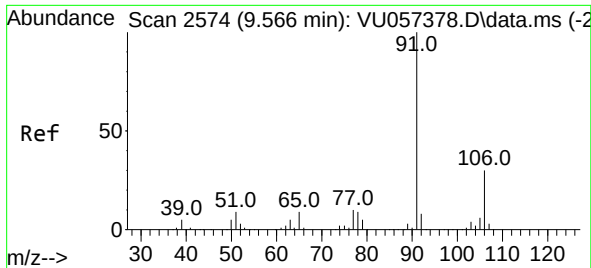
Ion Ratio Lower Upper

112 100

114 33.3 22.5 41.7

77 62.7 50.1 75.1

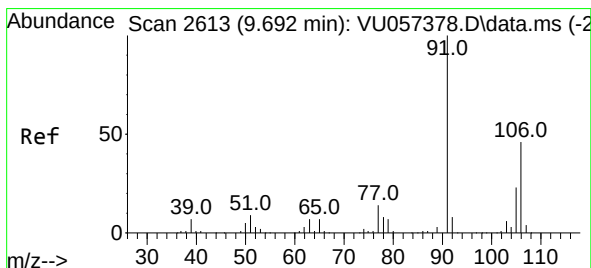
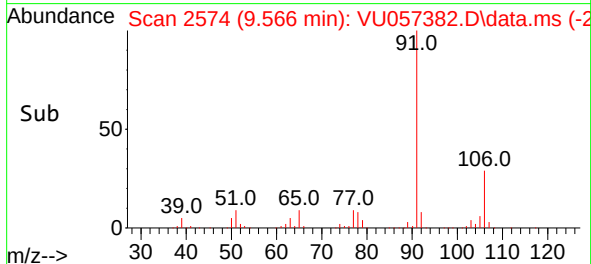
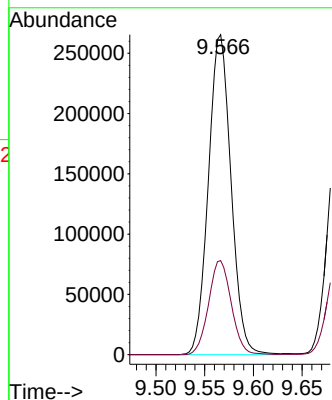
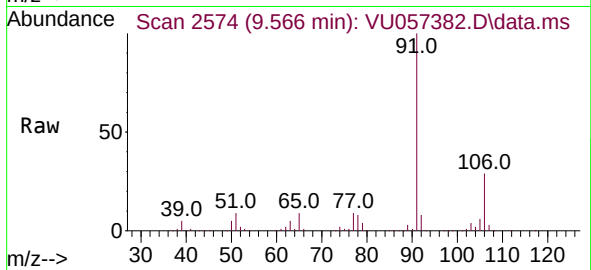




#52
Ethylbenzene
Concen: 50.145 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

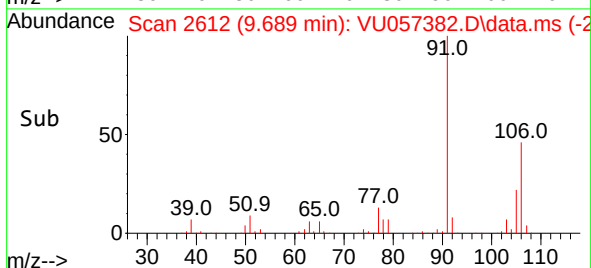
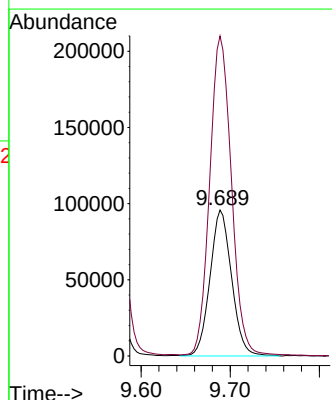
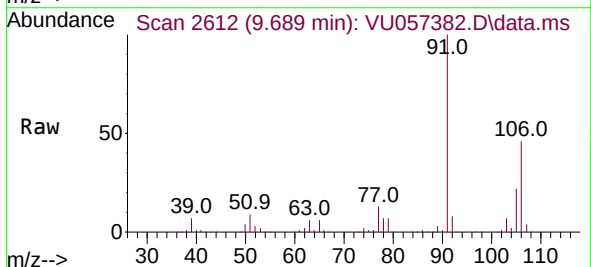
Instrument :
MSVOA_U
ClientSampleId :

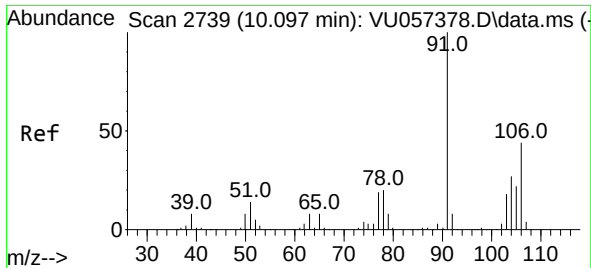
Tgt Ion: 91 Resp: 429333
Ion Ratio Lower Upper
91 100
106 29.4 21.0 39.0



#53
m,p-Xylene
Concen: 50.344 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

Tgt Ion: 106 Resp: 161127
Ion Ratio Lower Upper
106 100
91 219.2 151.8 281.8

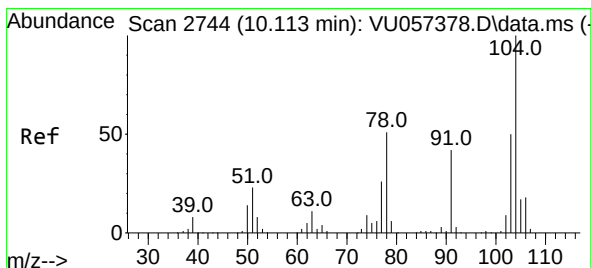
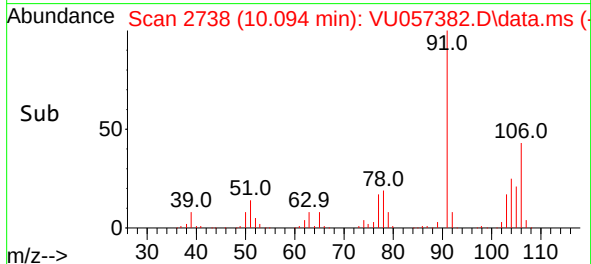
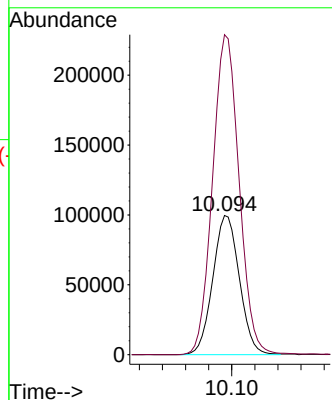
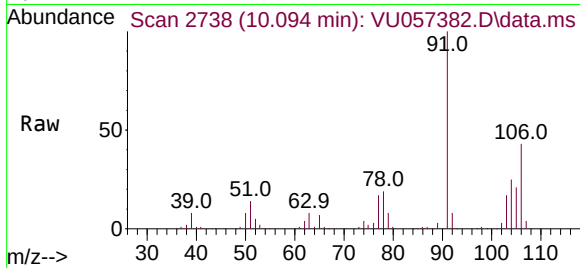




#54
o-Xylene
Concen: 50.847 ug/L
RT: 10.094 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

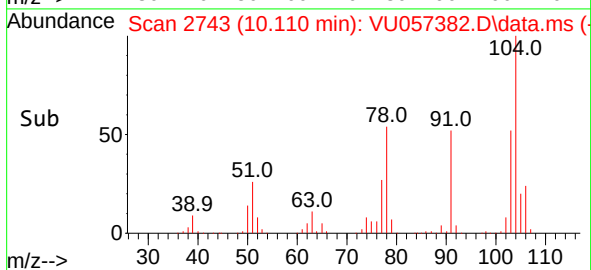
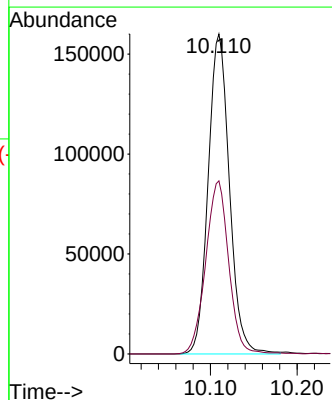
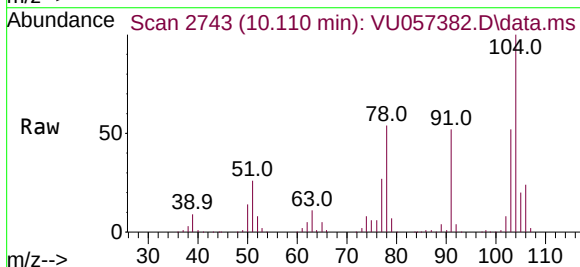
Instrument :
MSVOA_U
ClientSampleId :

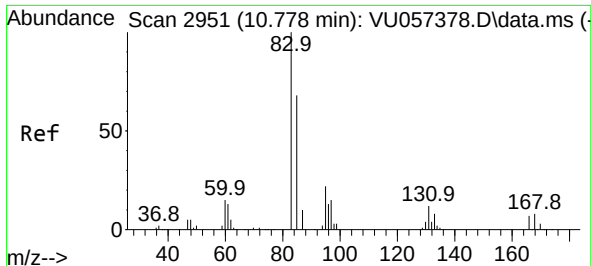
Tgt Ion:106 Resp: 158928
Ion Ratio Lower Upper
106 100
91 229.9 160.4 297.8



#55
Styrene
Concen: 51.563 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

Tgt Ion:104 Resp: 272917
Ion Ratio Lower Upper
104 100
78 54.1 35.8 66.6

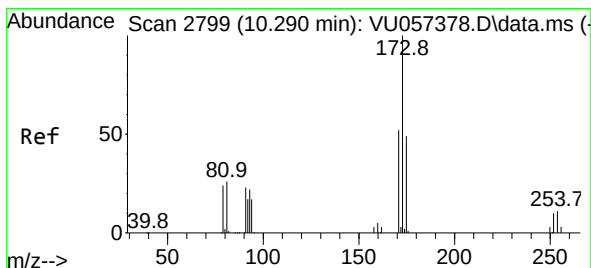
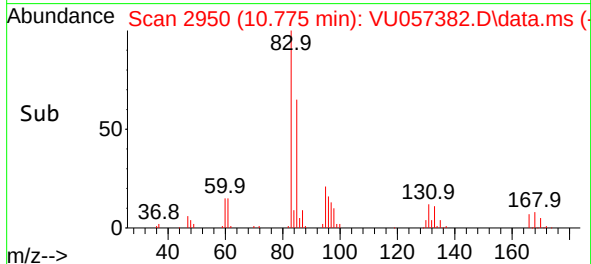
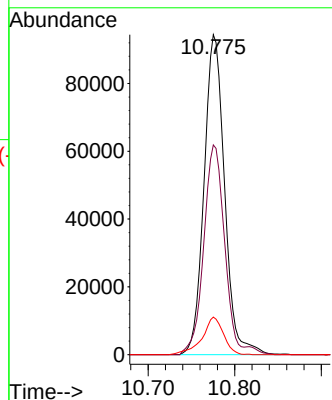
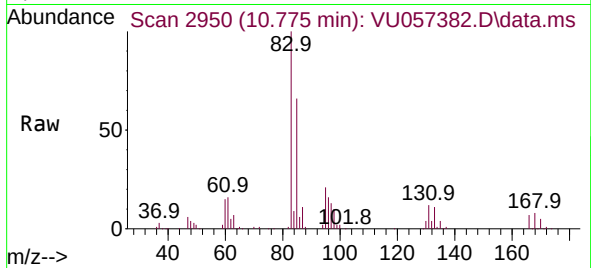




#57
1,1,2,2-Tetrachloroethane
Concen: 53.181 ug/L
RT: 10.775 min Scan# 2951
Delta R.T. -0.003 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

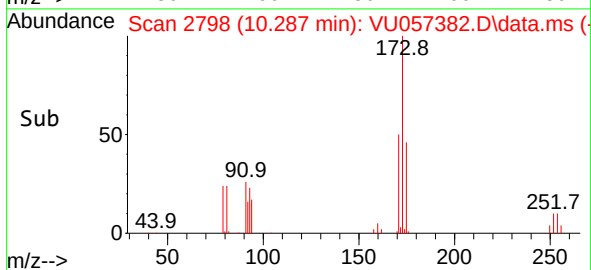
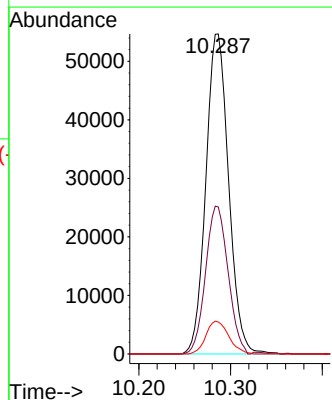
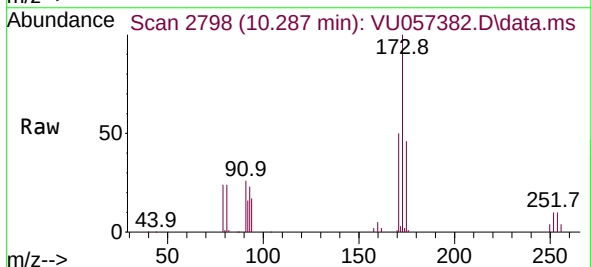
Instrument :
MSVOA_U
ClientSampleId :

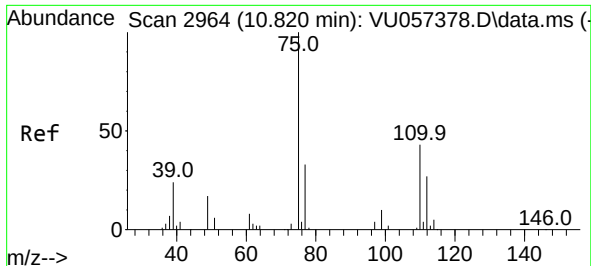
Tgt Ion: 83 Resp: 155684
Ion Ratio Lower Upper
83 100
85 65.5 47.9 88.9
131 11.8 9.8 14.8



#59
Bromoform
Concen: 50.383 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. -0.003 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

Tgt Ion:173 Resp: 94267
Ion Ratio Lower Upper
173 100
175 45.6 38.4 57.6
254 10.2 7.9 11.9

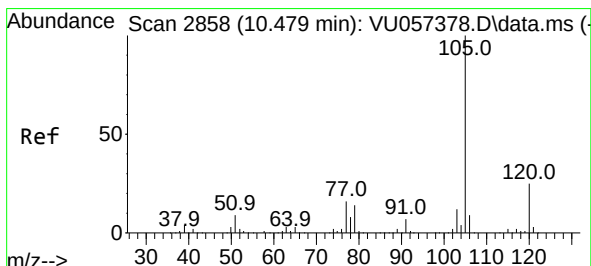
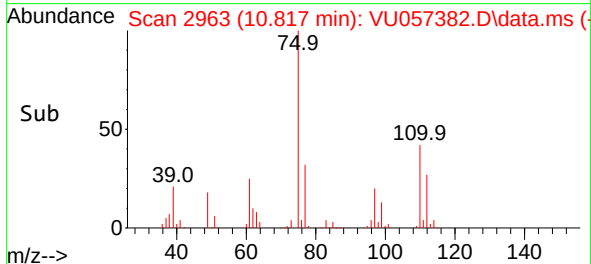
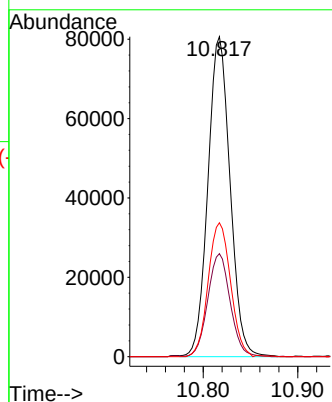
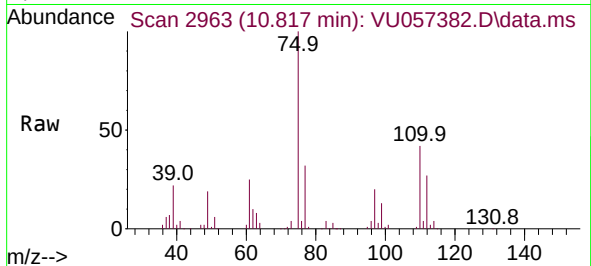




#60
1,2,3-Trichloropropane
Concen: 53.722 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.003 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

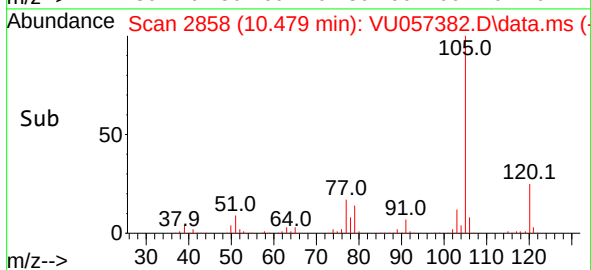
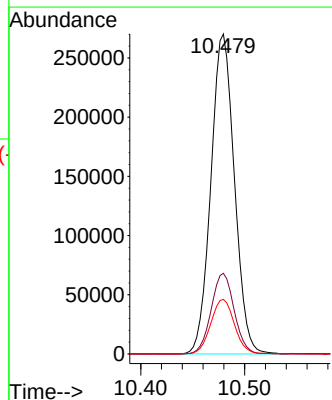
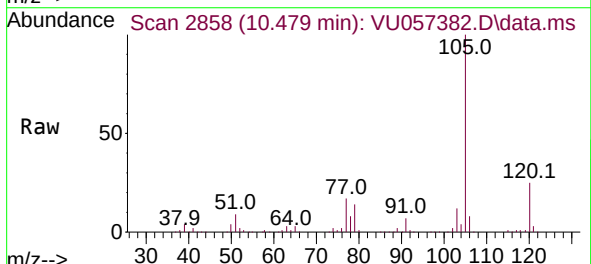
Instrument :
MSVOA_U
ClientSampleId :

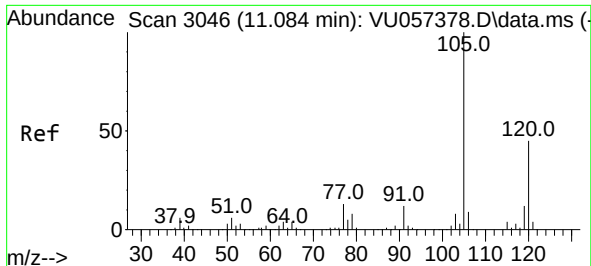
Tgt Ion: 75 Resp: 131305
Ion Ratio Lower Upper
75 100
77 32.6 26.0 39.0
110 42.2 33.6 50.4



#61
Isopropylbenzene
Concen: 50.254 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

Tgt Ion: 105 Resp: 424671
Ion Ratio Lower Upper
105 100
120 24.7 19.9 29.9
77 17.2 13.3 19.9





#62

1,3,5-Trimethylbenzene

Concen: 51.394 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

Instrument :

MSVOA_U

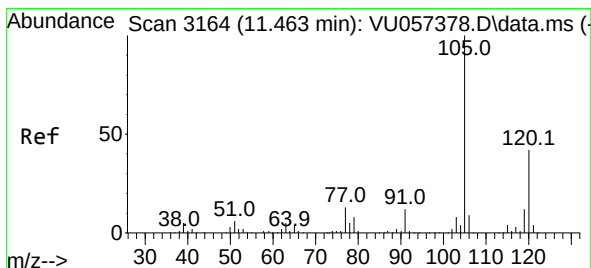
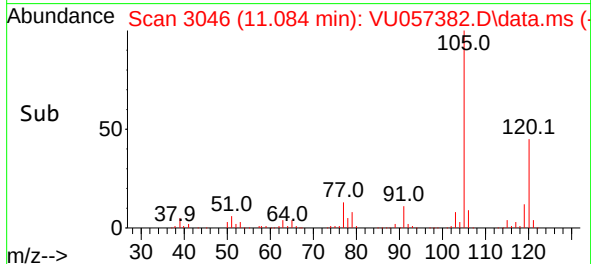
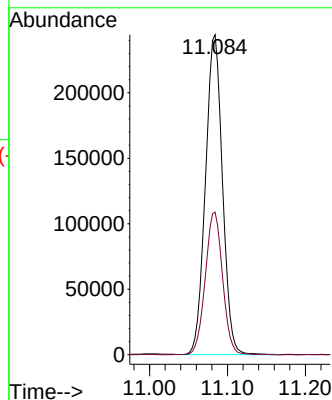
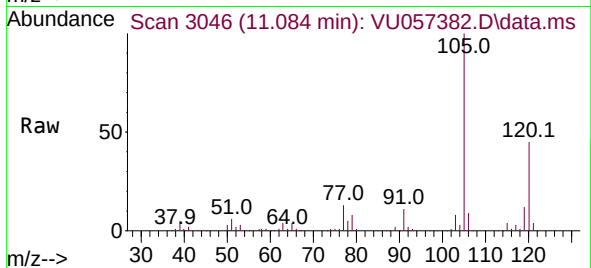
ClientSampleId :

Tgt Ion:105 Resp: 371422

Ion Ratio Lower Upper

105 100

120 45.2 36.1 54.1



#63

1,2,4-Trimethylbenzene

Concen: 52.628 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU057382.D

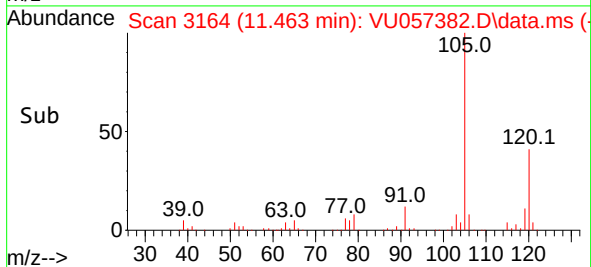
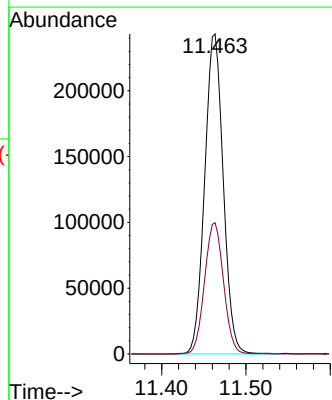
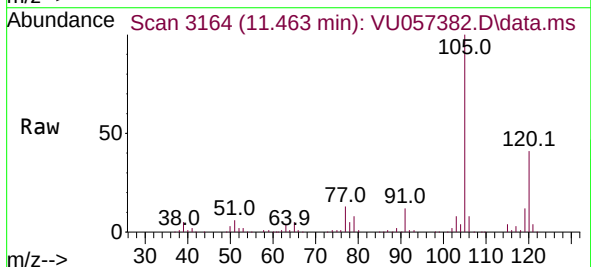
Acq: 08 Jan 2024 14:21

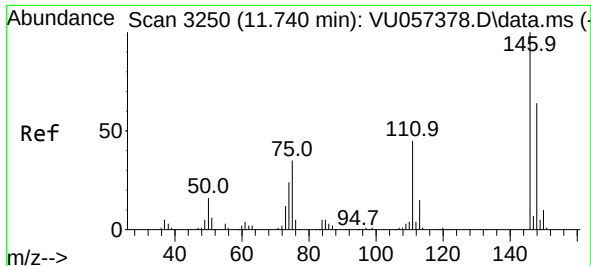
Tgt Ion:105 Resp: 373365

Ion Ratio Lower Upper

105 100

120 41.8 33.4 50.2

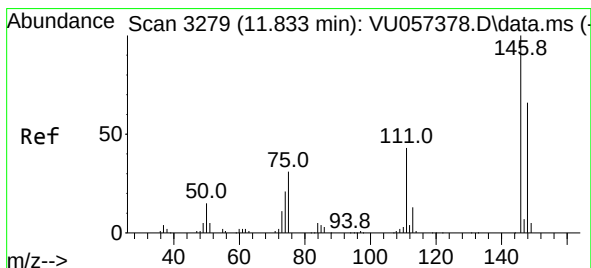
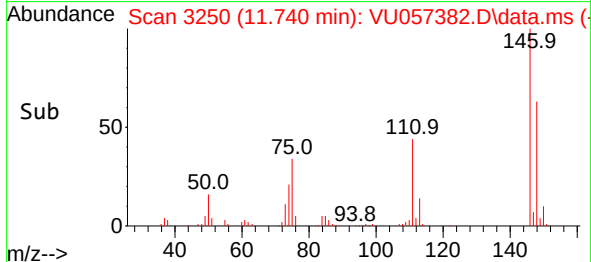
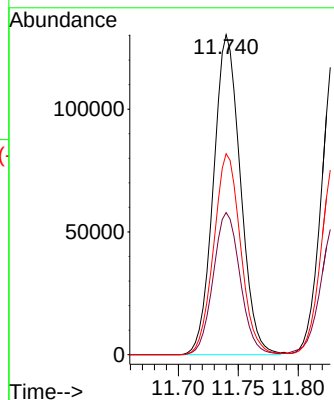
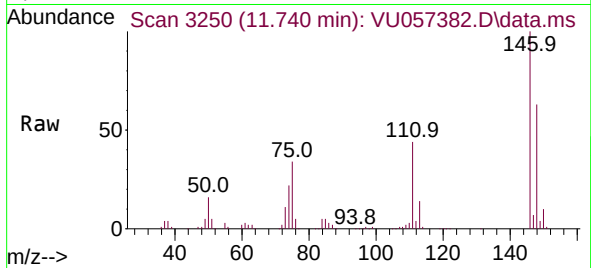




#64
1,3-Dichlorobenzene
Concen: 51.159 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

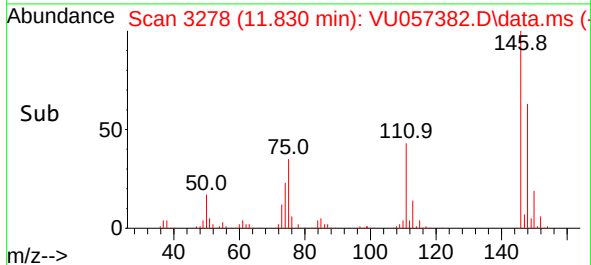
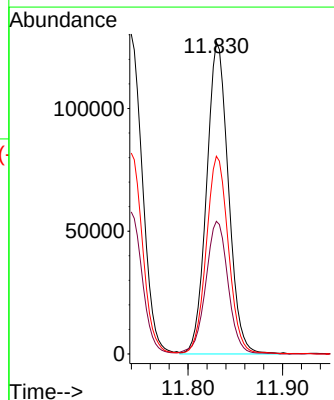
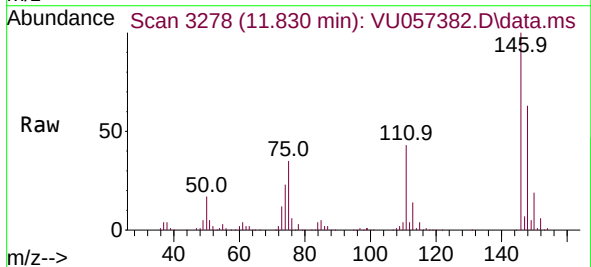
Instrument :
MSVOA_U
ClientSampleId :

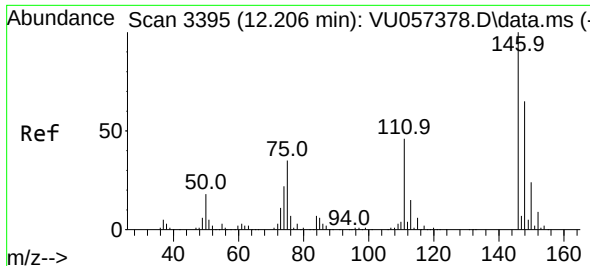
Tgt Ion:146 Resp: 203741
Ion Ratio Lower Upper
146 100
111 44.4 31.6 58.8
148 62.8 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 49.918 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

Tgt Ion:146 Resp: 204068
Ion Ratio Lower Upper
146 100
111 42.5 30.3 56.3
148 63.4 45.9 85.3





#67

1,2-Dichlorobenzene

Concen: 50.216 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

Instrument :

MSVOA_U

ClientSampleId :

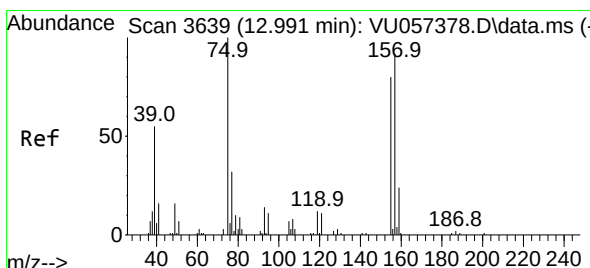
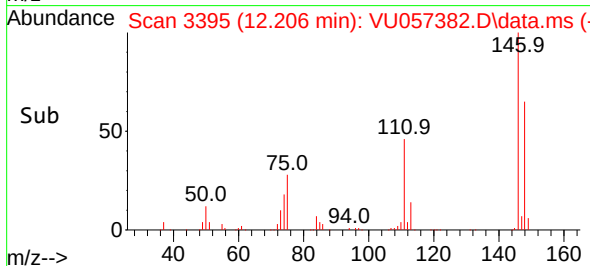
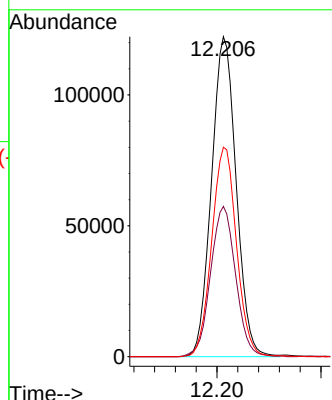
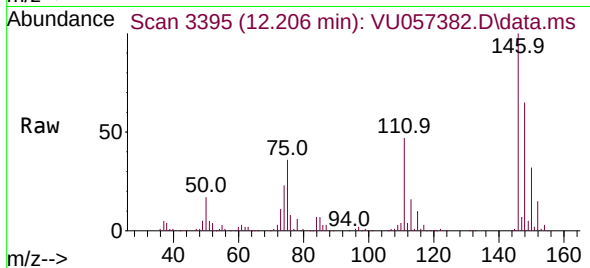
Tgt Ion:146 Resp: 201570

Ion Ratio Lower Upper

146 100

111 46.9 36.9 55.3

148 65.5 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 57.003 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU057382.D

Acq: 08 Jan 2024 14:21

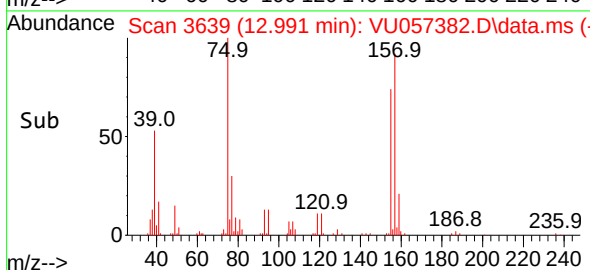
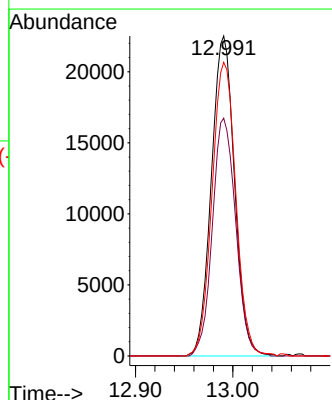
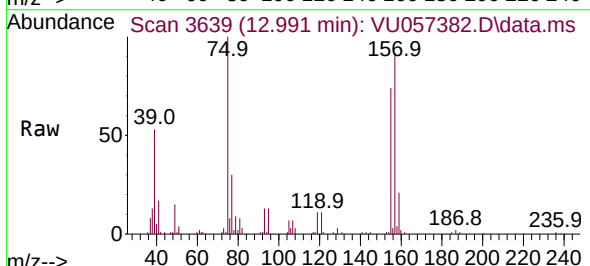
Tgt Ion: 75 Resp: 37202

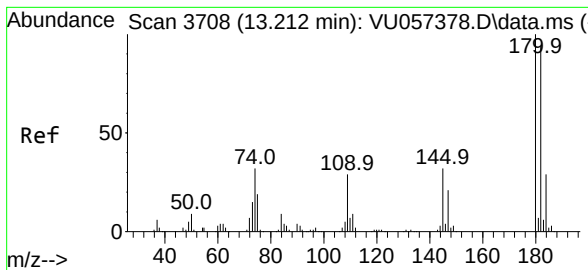
Ion Ratio Lower Upper

75 100

155 74.3 64.3 96.5

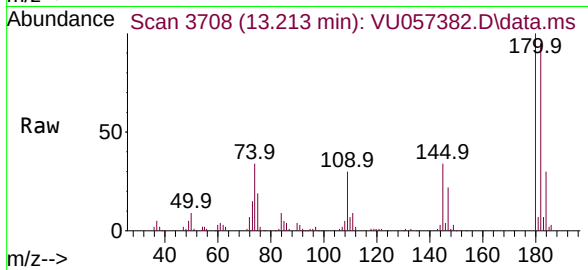
157 91.8 73.8 110.6



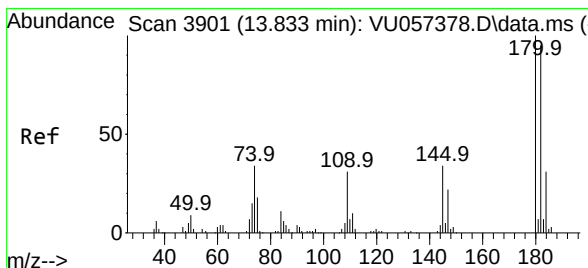
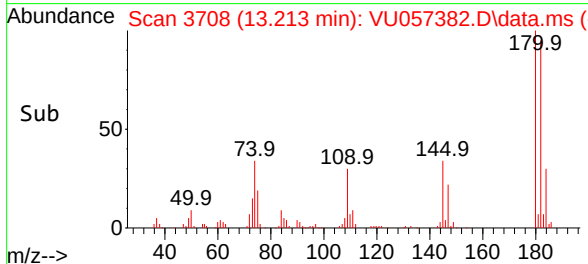
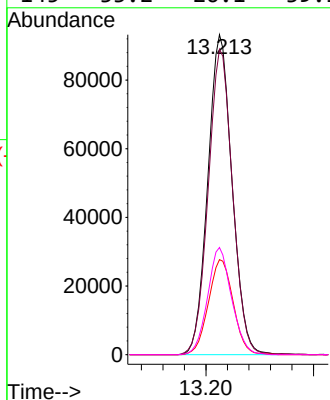


#69
 1,3,5-Trichlorobenzene
 Concen: 51.108 ug/L
 RT: 13.213 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU057382.D
 Acq: 08 Jan 2024 14:21

Instrument :
 MSVOA_U
 ClientSampleId :

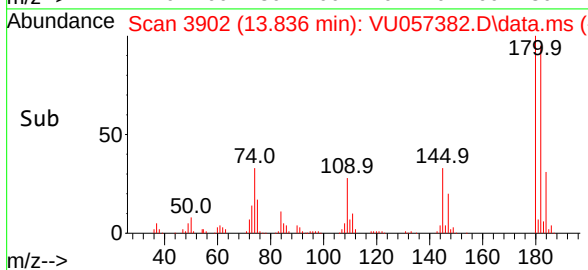
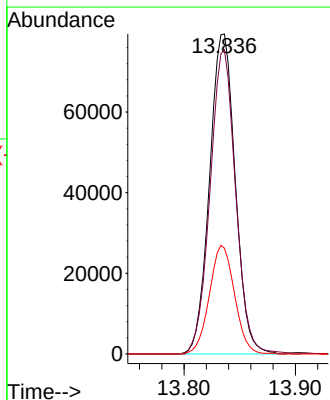
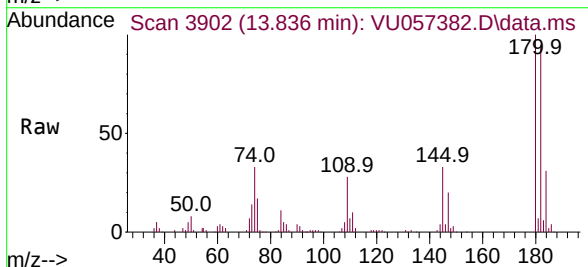


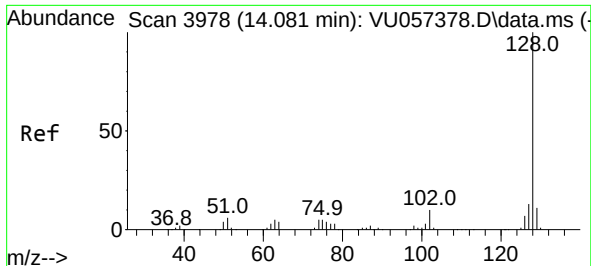
Tgt Ion:180 Resp: 145696
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.6 113.4
 184 30.4 23.9 35.9
 145 33.2 26.1 39.1



#70
 1,2,4-trichlorobenzene
 Concen: 58.573 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.003 min
 Lab File: VU057382.D
 Acq: 08 Jan 2024 14:21

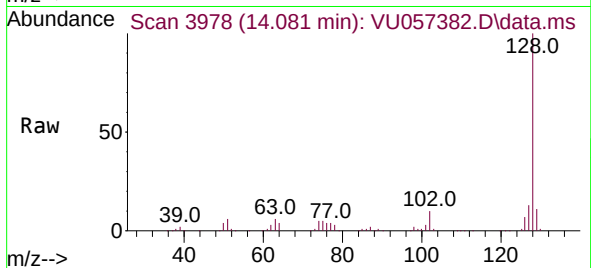
Tgt Ion:180 Resp: 127128
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.8 113.8
 145 33.2 27.4 41.0



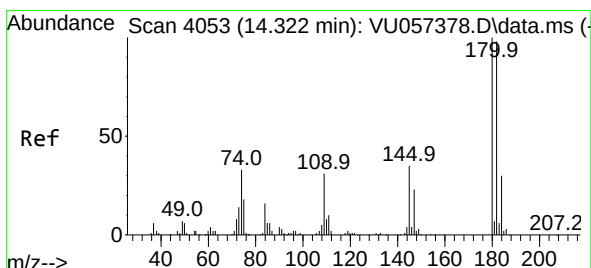
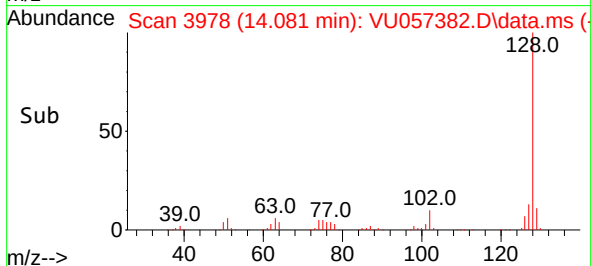
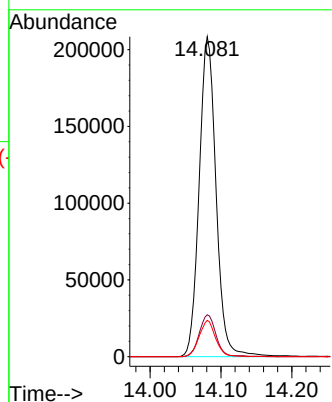


#71
Naphthalene
Concen: 68.029 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	345000
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	11.0	8.5	12.7



#72
1,2,3-Trichlorobenzene
Concen: 59.355 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VU057382.D
Acq: 08 Jan 2024 14:21

Tgt Ion:	180	Resp:	121829
Ion Ratio	Lower	Upper	
180	100		
182	94.9	77.5	116.3
145	34.8	28.2	42.4

