

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052424\
 Data File : VU058962.D
 Acq On : 23 May 2024 20:46
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 24 07:08:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 06:52:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	194504	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	194821	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	106294	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.596	65	95570	46.457	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.920%
7) Chloroethane-d5	1.907	69	78623	45.988	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.980%
11) 1,1-Dichloroethene-d2	2.563	63	145690	46.355	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.700%
21) 2-Butanone-d5	4.618	46	150732	106.670	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.670%
24) Chloroform-d	5.055	84	165982	47.040	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.080%
26) 1,2-Dichloroethane-d4	5.695	65	102539	47.516	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.040%
32) Benzene-d6	5.721	84	330809	49.807	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.620%
36) 1,2-Dichloropropane-d6	6.682	67	110507	50.373	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.740%
41) Toluene-d8	7.891	98	304043	51.070	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.140%
43) trans-1,3-Dichloroprop...	8.174	79	48169	48.899	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.800%
47) 2-Hexanone-d5	8.627	63	99547	109.716	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.720%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	163568	49.561	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.120%
66) 1,2-Dichlorobenzene-d4	12.187	152	106009	48.334	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.660%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.380	85	59513	45.732	ug/L	98
3) Chloromethane	1.518	50	64130	45.989	ug/L	98
5) Vinyl chloride	1.602	62	74956	46.031	ug/L	97
6) Bromomethane	1.853	94	43026	44.579	ug/L	96
8) Chloroethane	1.930	64	52604	47.106	ug/L	98
9) Trichlorofluoromethane	2.136	101	103846	46.888	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	65933	43.793	ug/L	98
12) 1,1-Dichloroethene	2.576	96	54639	45.345	ug/L	96
13) Acetone	2.631	43	101306	81.313	ug/L	99
14) Carbon disulfide	2.788	76	101851	44.928	ug/L	99
15) Methyl Acetate	2.946	43	103744	51.671	ug/L	100
16) Methylene chloride	3.036	84	78371	40.774	ug/L	97
17) trans-1,2-Dichloroethene	3.348	96	57632	47.610	ug/L	99
18) Methyl tert-butyl Ether	3.354	73	240183	50.128	ug/L	99
19) 1,1-Dichloroethane	3.862	63	145948	47.329	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	81178	50.663	ug/L	99
22) 2-Butanone	4.698	43	155728	95.955	ug/L	98
23) Bromochloromethane	4.968	128	40034	47.929	ug/L	93
25) Chloroform	5.081	83	154786	47.542	ug/L	95

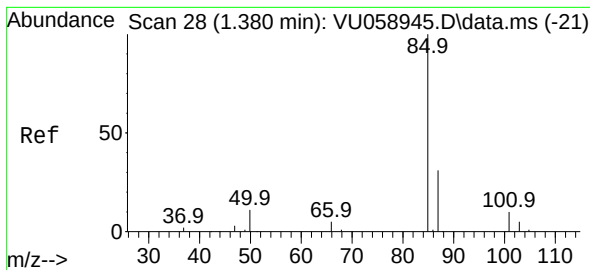
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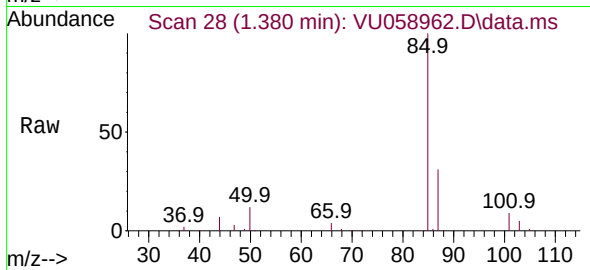
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	119848	48.227	ug/L	99
29) Cyclohexane	5.380	56	81903	49.392	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	117604	50.296	ug/L	98
31) Carbon tetrachloride	5.518	117	91018	48.192	ug/L	99
33) Benzene	5.769	78	294941	50.357	ug/L	100
34) Trichloroethene	6.534	95	616404	396.525	ug/L	98
35) Methylcyclohexane	6.756	83	87799	48.188	ug/L	99
37) 1,2-Dichloropropane	6.785	63	92237	48.456	ug/L	98
38) Bromodichloromethane	7.097	83	118245	49.985	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	129969	49.569	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	298798	110.114	ug/L	99
42) Toluene	7.962	91	314838	50.148	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	124230	50.051	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	93486	49.746	ug/L	99
46) Tetrachloroethene	8.547	164	48888	47.168	ug/L	94
48) 2-Hexanone	8.676	43	247355	110.709	ug/L	98
49) Dibromochloromethane	8.804	129	89769	49.987	ug/L	94
50) 1,2-Dibromoethane	8.917	107	91612	51.017	ug/L	96
51) Chlorobenzene	9.441	112	202743	48.857	ug/L	99
52) Ethylbenzene	9.563	91	340818	50.163	ug/L	100
53) m,p-Xylene	9.688	106	123535	50.618	ug/L	96
54) o-Xylene	10.094	106	125705	51.462	ug/L	96
55) Styrene	10.110	104	231020	52.947	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	170259	50.275	ug/L	98
59) Bromoform	10.283	173	70798	50.253	ug/L	96
60) 1,2,3-Trichloropropane	10.817	75	138284	51.122	ug/L	99
61) Isopropylbenzene	10.479	105	342552	50.467	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	270575	50.599	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	287611	53.332	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	165514	46.970	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	169641	47.662	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	172086	48.013	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	38718	52.910	ug/L	96
69) 1,3,5-Trichlorobenzene	13.212	180	111753	45.025	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	98938	46.279	ug/L	98
71) Naphthalene	14.081	128	319882	51.300	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	105086	47.990	ug/L	98

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

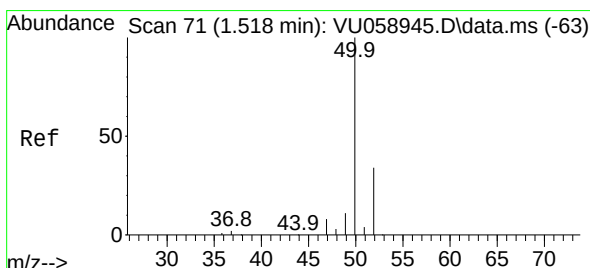
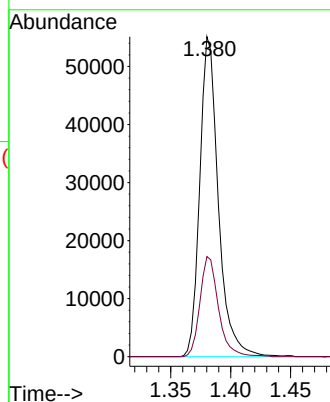
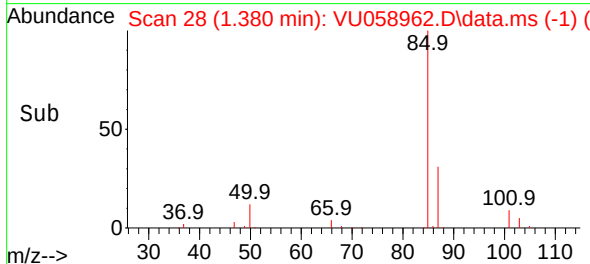


#2
 Dichlorodifluoromethane
 Concen: 45.732 ug/L
 RT: 1.380 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VU058962.D
 Acq: 23 May 2024 20:46

Instrument :
 MSVOA_U
 ClientSampleId :

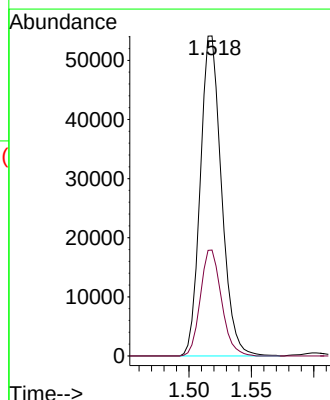
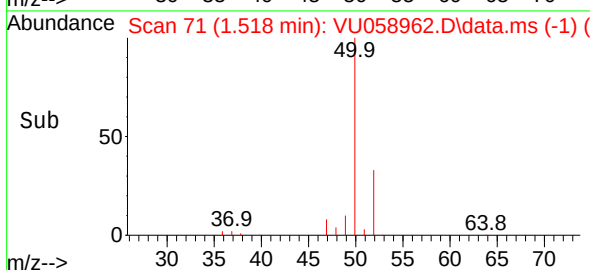
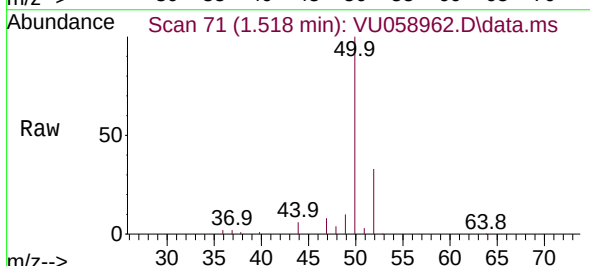


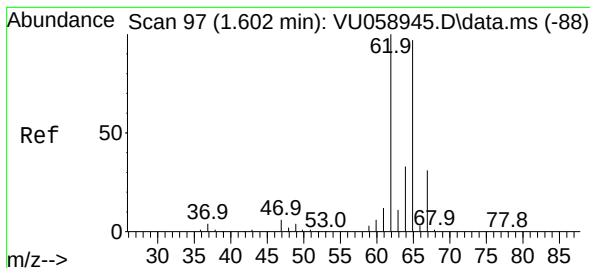
Tgt Ion: 85 Resp: 59513
 Ion Ratio Lower Upper
 85 100
 87 31.2 25.7 38.5



#3
 Chloromethane
 Concen: 45.989 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU058962.D
 Acq: 23 May 2024 20:46

Tgt Ion: 50 Resp: 64130
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.9 44.3





#5

Vinyl chloride

Concen: 46.031 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

Instrument :

MSVOA_U

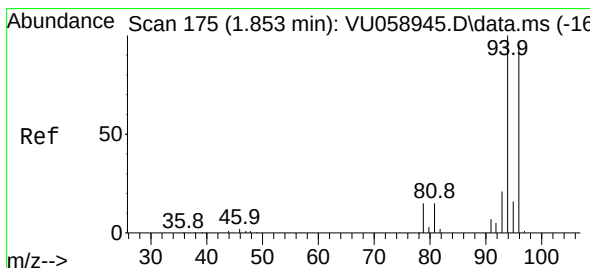
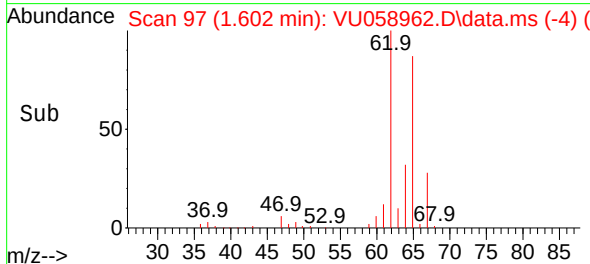
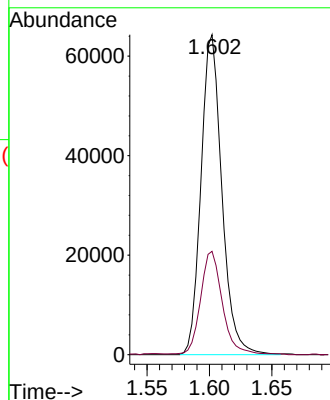
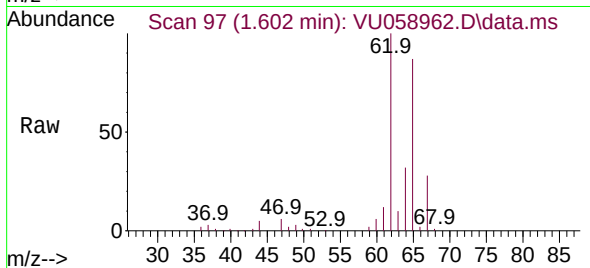
ClientSampleId :

Tgt Ion: 62 Resp: 74956

Ion Ratio Lower Upper

62 100

64 32.3 23.7 43.9



#6

Bromomethane

Concen: 44.579 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.000 min

Lab File: VU058962.D

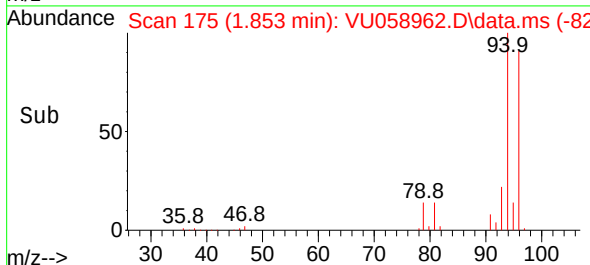
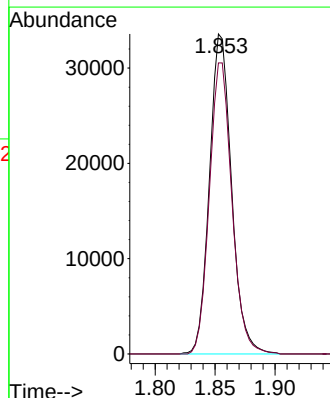
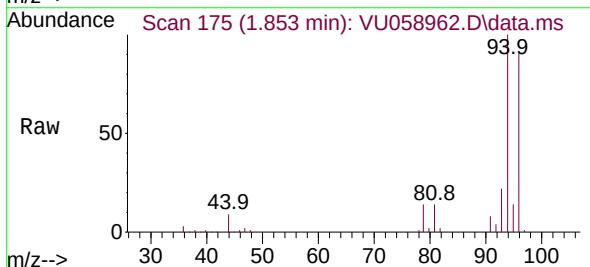
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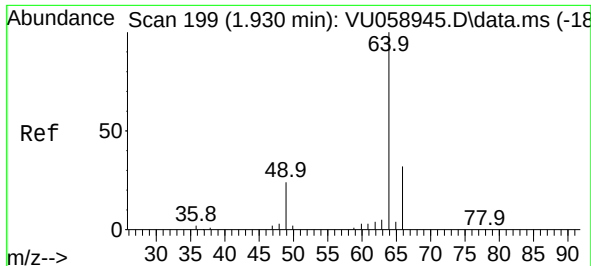
Tgt Ion: 94 Resp: 43026

Ion Ratio Lower Upper

94 100

96 90.9 66.6 123.6





#8

Chloroethane

Concen: 47.106 ug/L

RT: 1.930 min Scan# 199

Delta R.T. 0.000 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

Instrument :

MSVOA_U

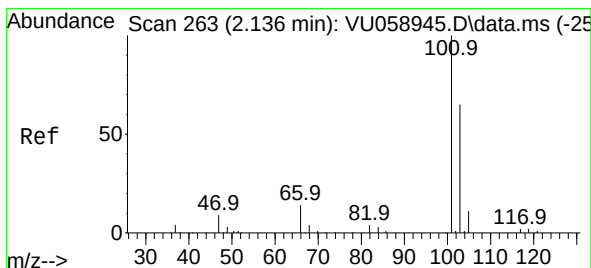
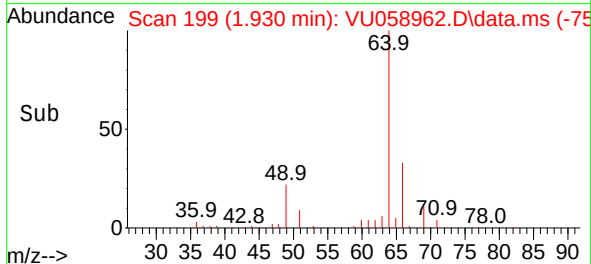
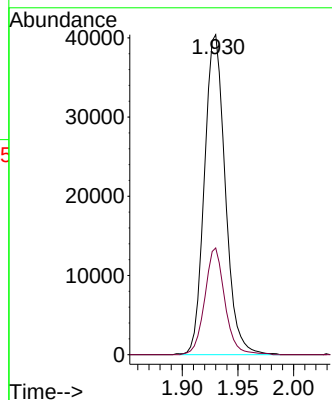
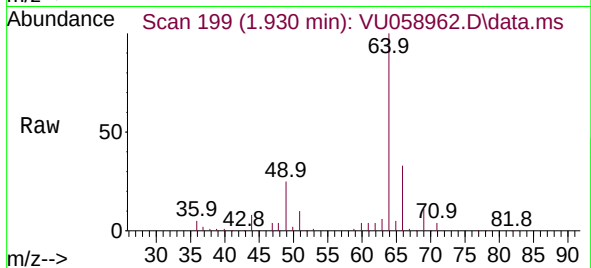
ClientSampleId :

Tgt Ion: 64 Resp: 52604

Ion Ratio Lower Upper

64 100

66 33.4 22.7 42.1



#9

Trichlorofluoromethane

Concen: 46.888 ug/L

RT: 2.136 min Scan# 263

Delta R.T. 0.000 min

Lab File: VU058962.D

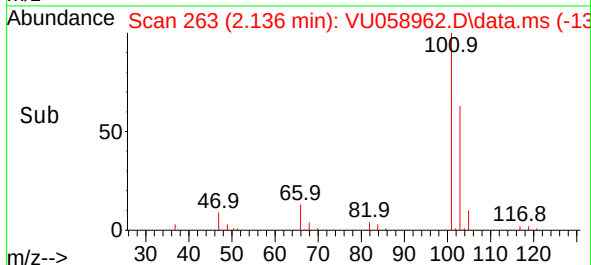
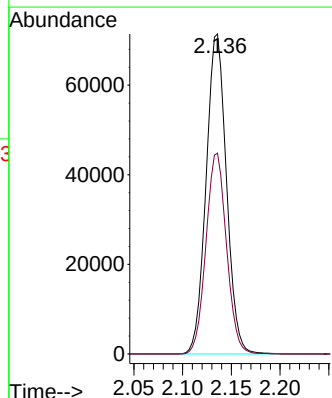
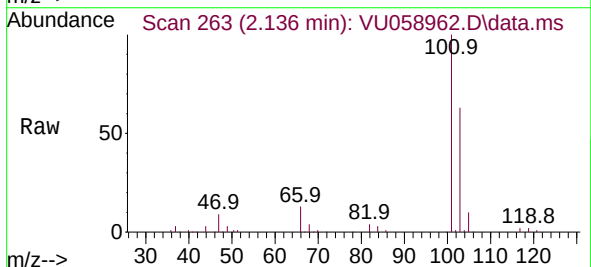
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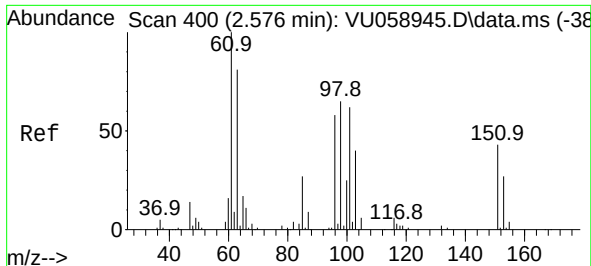
Tgt Ion:101 Resp: 103846

Ion Ratio Lower Upper

101 100

103 63.1 51.6 77.4

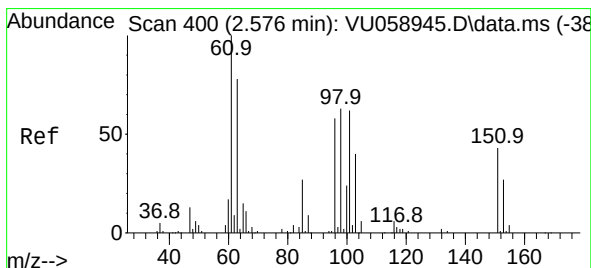
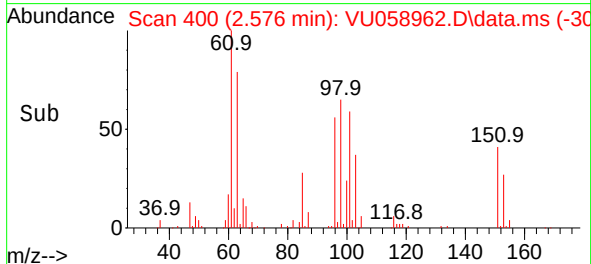
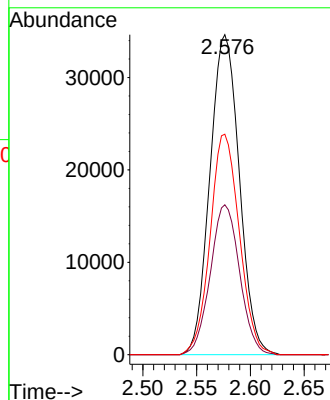
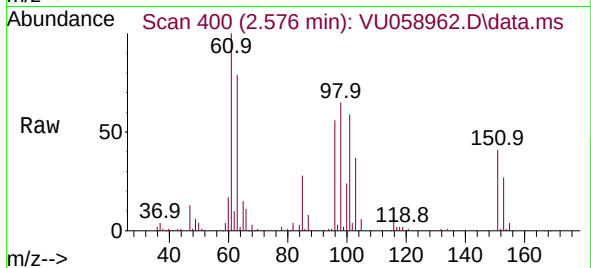




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 43.793 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

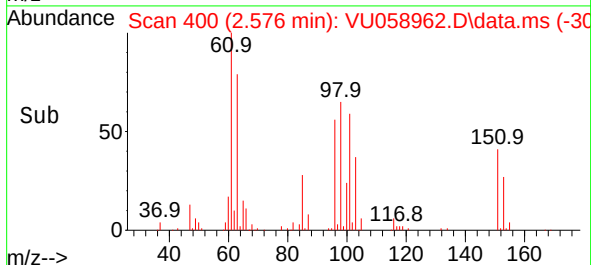
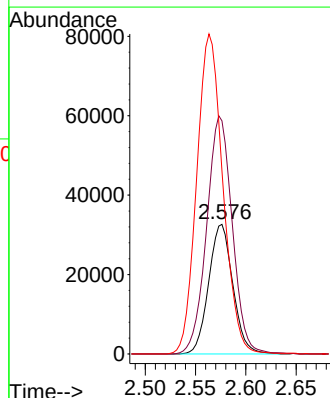
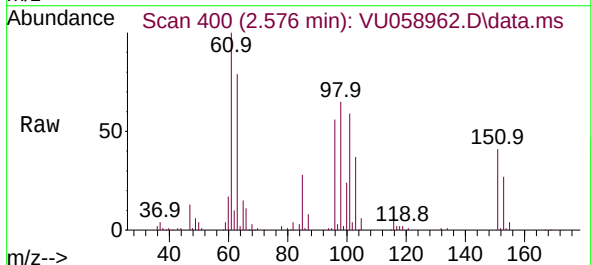
Instrument :
MSVOA_U
ClientSampleId :

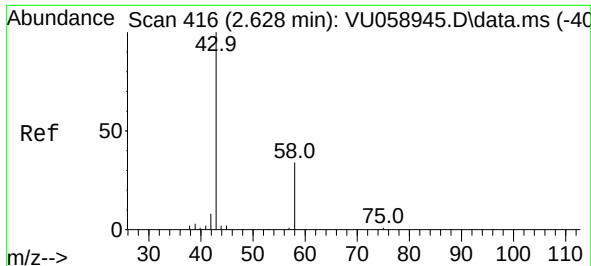
Tgt Ion:101 Resp: 65933
Ion Ratio Lower Upper
101 100
85 46.7 34.9 52.3
151 68.4 54.5 81.7



#12
1,1-Dichloroethene
Concen: 45.345 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

Tgt Ion: 96 Resp: 54639
Ion Ratio Lower Upper
96 100
61 179.8 122.2 227.0
63 141.2 102.8 190.8





#13

Acetone

Concen: 81.313 ug/L

RT: 2.631 min Scan# 416

Delta R.T. 0.003 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

Instrument :

MSVOA_U

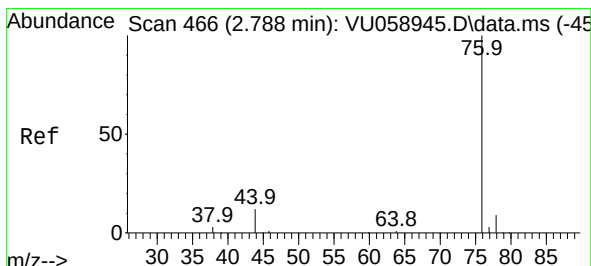
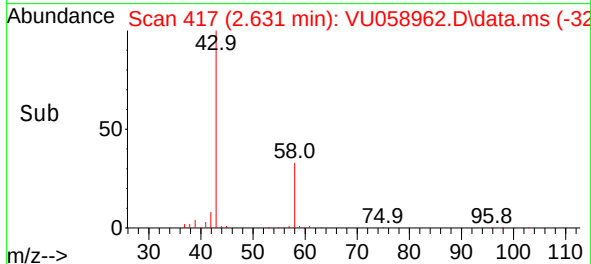
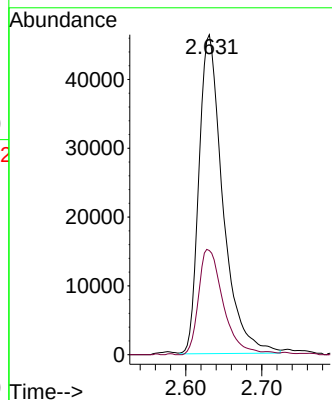
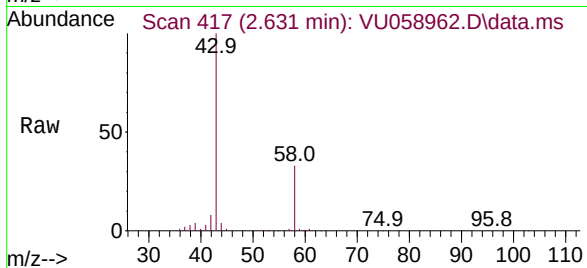
ClientSampleId :

Tgt Ion: 43 Resp: 101306

Ion Ratio Lower Upper

43 100

58 33.9 0.0 67.2



#14

Carbon disulfide

Concen: 44.928 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU058962.D

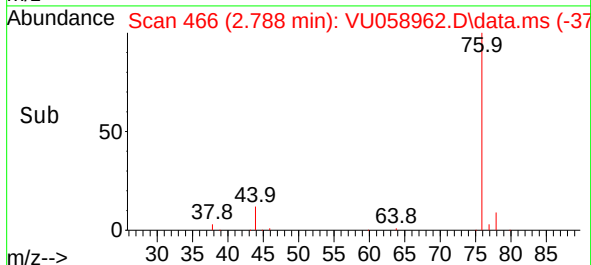
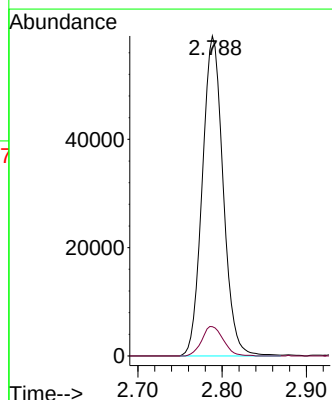
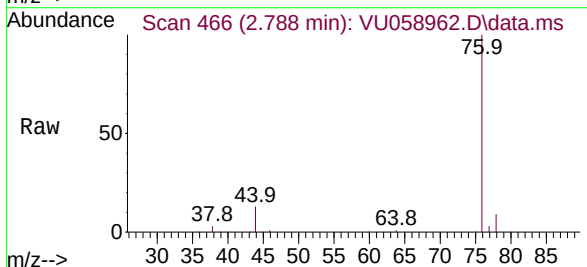
Acq: 23 May 2024 20:46

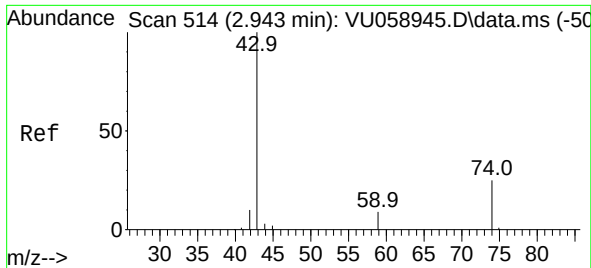
Tgt Ion: 76 Resp: 101851

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7





#15

Methyl Acetate

Concen: 51.671 ug/L

RT: 2.946 min Scan# 514

Delta R.T. 0.003 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

Instrument :

MSVOA_U

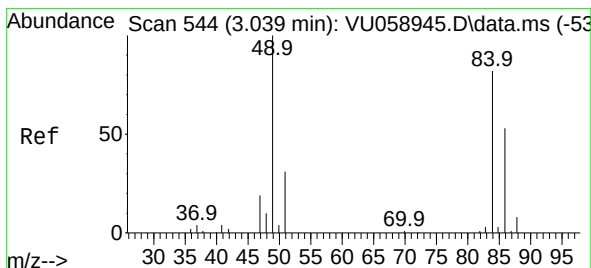
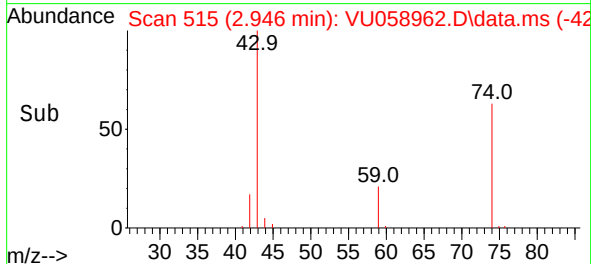
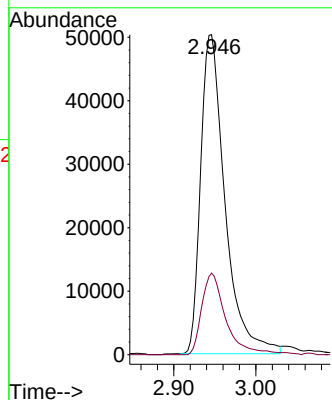
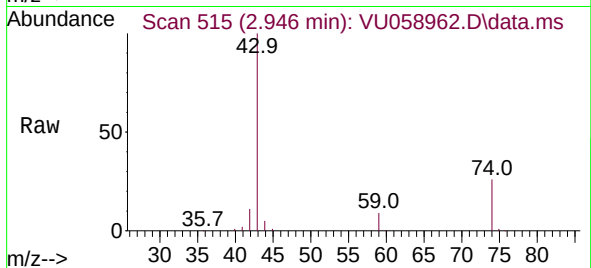
ClientSampleId :

Tgt Ion: 43 Resp: 103744

Ion Ratio Lower Upper

43 100

74 24.7 19.8 29.8



#16

Methylene chloride

Concen: 40.774 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.003 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

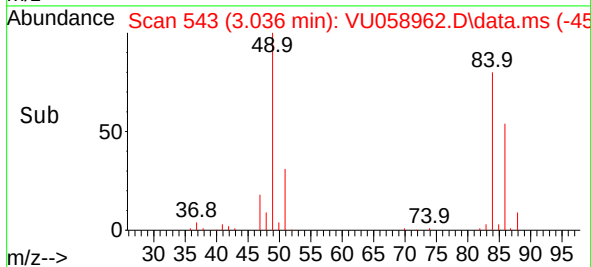
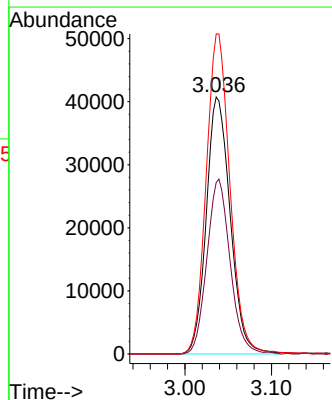
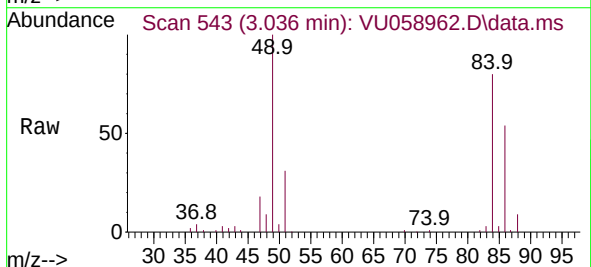
Tgt Ion: 84 Resp: 78371

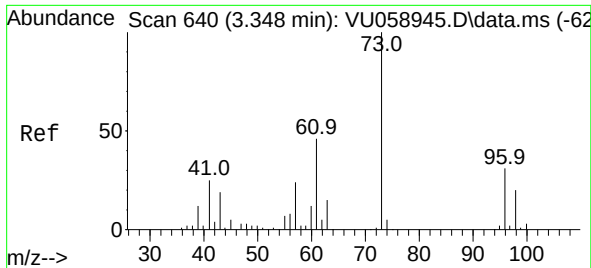
Ion Ratio Lower Upper

84 100

86 66.8 44.9 83.5

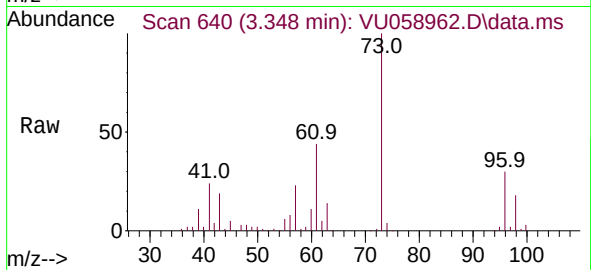
49 124.5 85.4 158.6



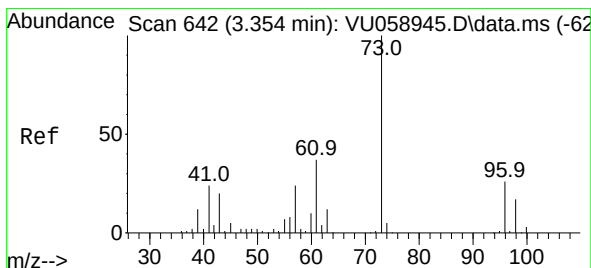
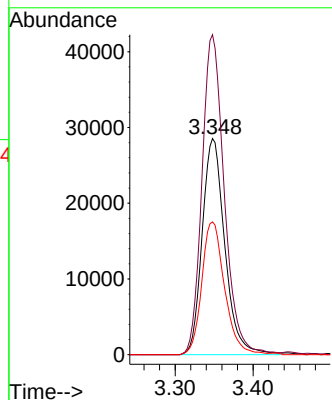
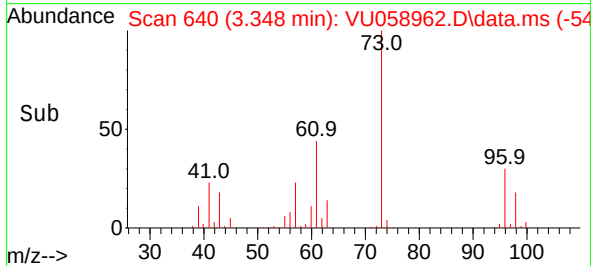


#17
trans-1,2-Dichloroethene
Concen: 47.610 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

Instrument :
MSVOA_U
ClientSampleId :

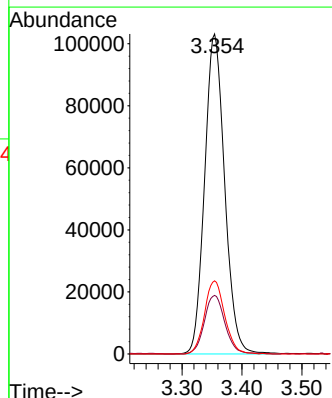
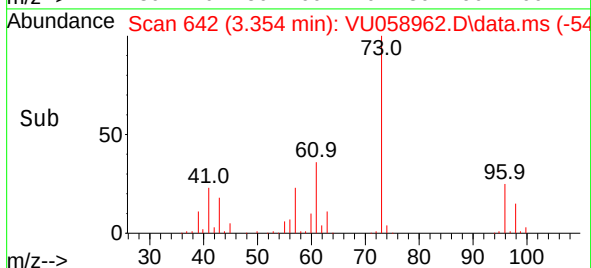
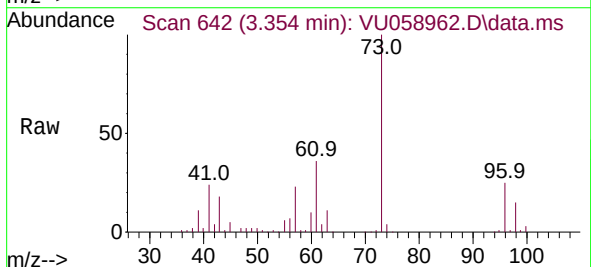


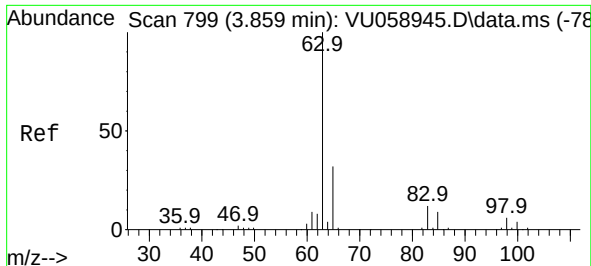
Tgt Ion: 96 Resp: 57632
Ion Ratio Lower Upper
96 100
61 148.0 103.5 192.1
98 61.4 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 50.128 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

Tgt Ion: 73 Resp: 240183
Ion Ratio Lower Upper
73 100
43 18.9 15.4 23.2
57 23.0 18.6 27.8

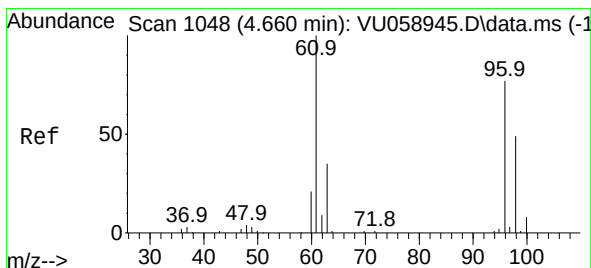
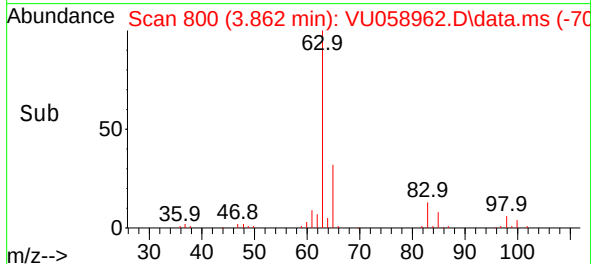
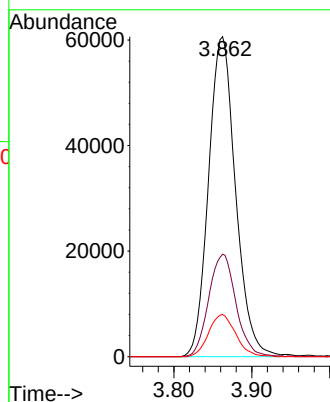
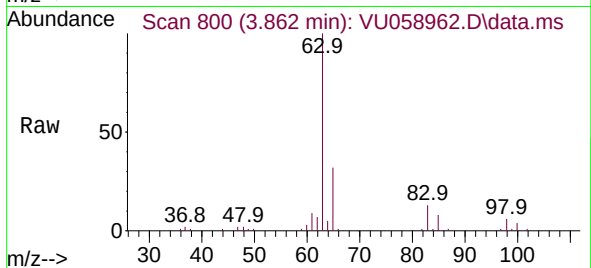




#19
1,1-Dichloroethane
Concen: 47.329 ug/L
RT: 3.862 min Scan# 80
Delta R.T. 0.003 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

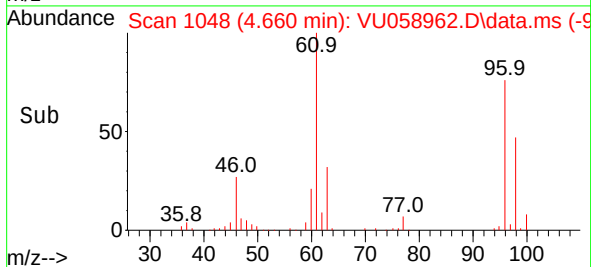
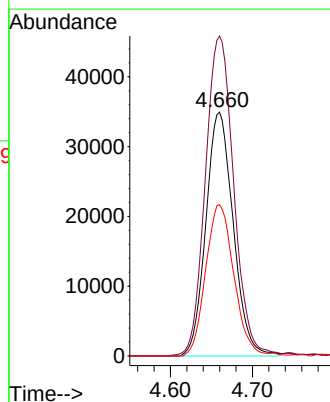
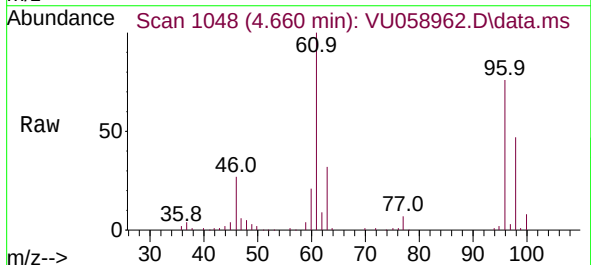
Instrument :
MSVOA_U
ClientSampleId :

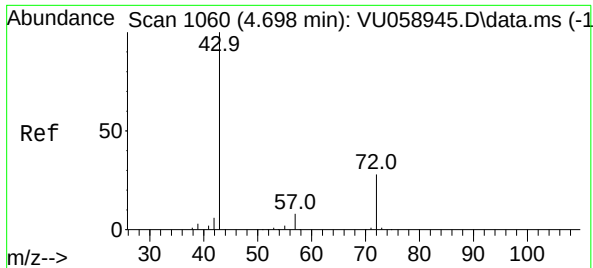
Tgt Ion: 63 Resp: 145948
Ion Ratio Lower Upper
63 100
65 32.0 22.3 41.3
83 13.2 8.5 15.9



#20
cis-1,2-Dichloroethene
Concen: 50.663 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

Tgt Ion: 96 Resp: 81178
Ion Ratio Lower Upper
96 100
61 131.3 91.1 169.3
98 62.0 44.4 82.4

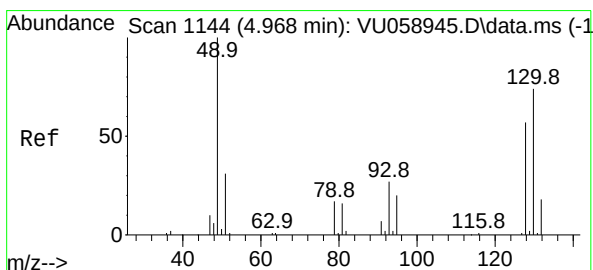
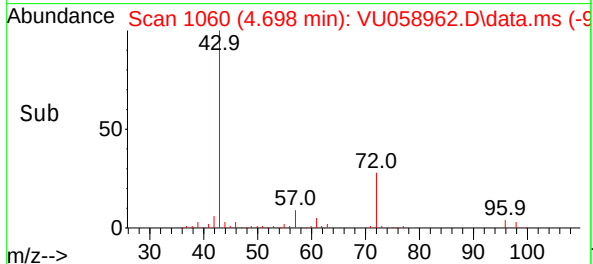
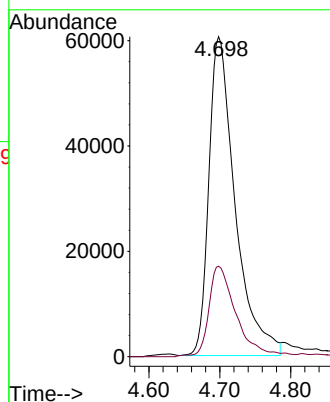
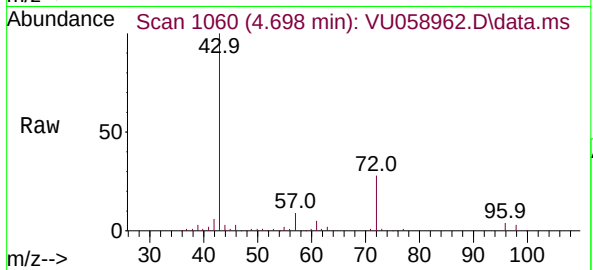




#22
2-Butanone
Concen: 95.955 ug/L
RT: 4.698 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

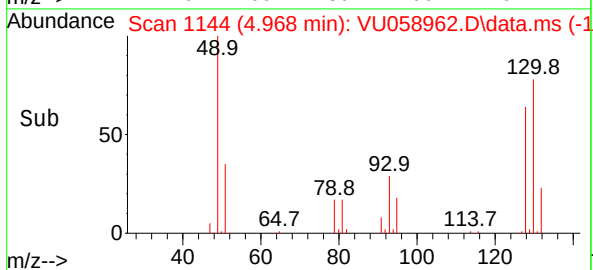
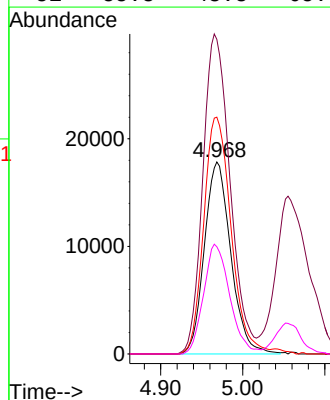
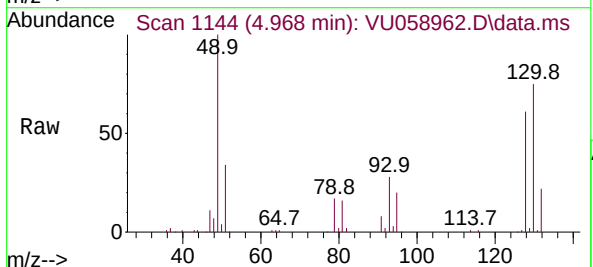
Instrument :
MSVOA_U
ClientSampleId :

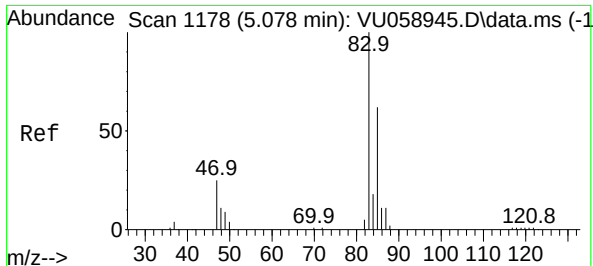
Tgt Ion: 43 Resp: 155728
Ion Ratio Lower Upper
43 100
72 28.7 13.9 41.7



#23
Bromochloromethane
Concen: 47.929 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

Tgt Ion:128 Resp: 40034
Ion Ratio Lower Upper
128 100
49 163.8 123.8 229.8
130 123.3 90.6 168.2
51 55.8 43.8 65.6





#25

Chloroform

Concen: 47.542 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

Instrument :

MSVOA_U

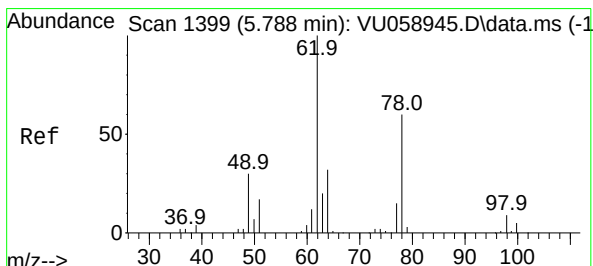
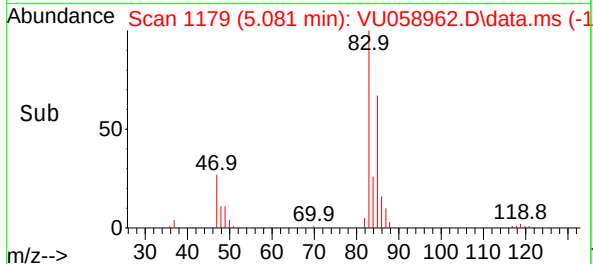
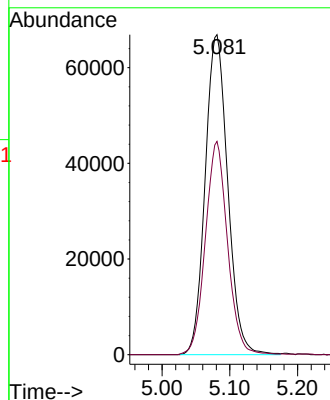
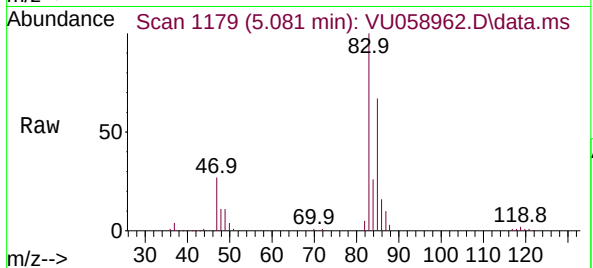
ClientSampleId :

Tgt Ion: 83 Resp: 154786

Ion Ratio Lower Upper

83 100

85 66.6 43.8 81.3



#27

1,2-Dichloroethane

Concen: 48.227 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU058962.D

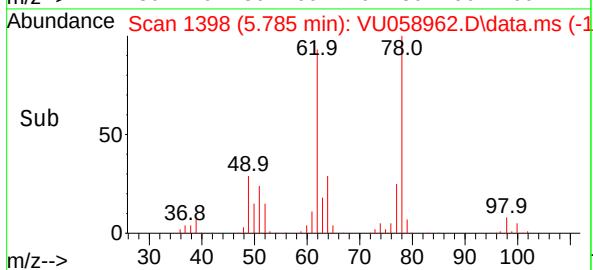
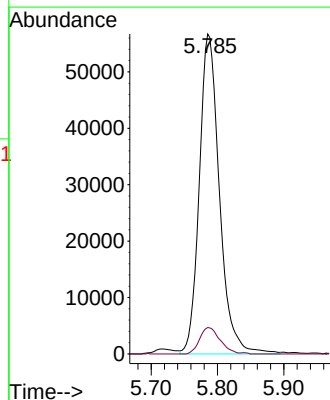
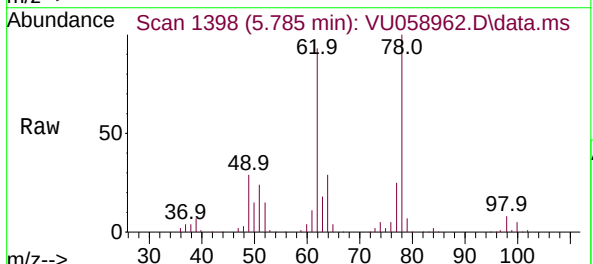
Acq: 23 May 2024 20:46

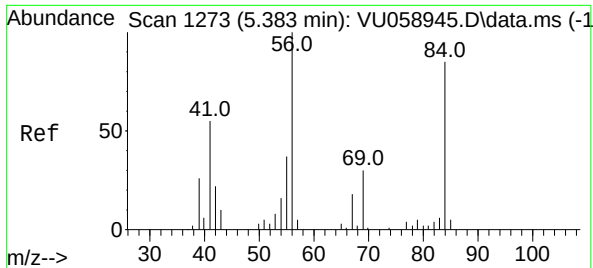
Tgt Ion: 62 Resp: 119848

Ion Ratio Lower Upper

62 100

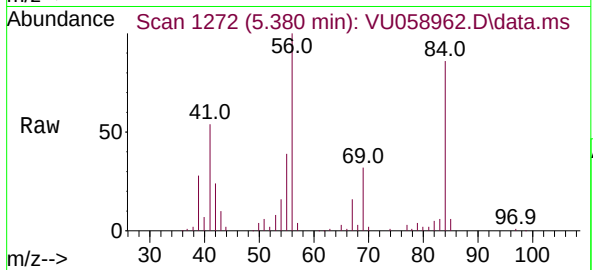
98 8.2 7.0 10.4



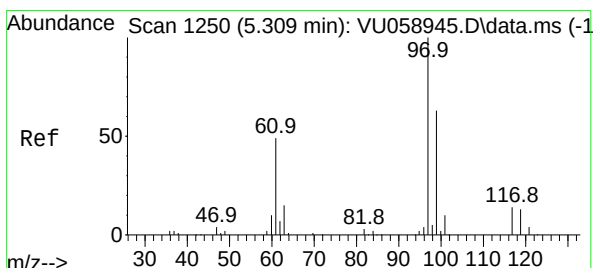
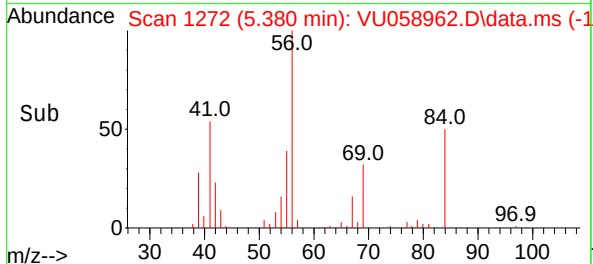
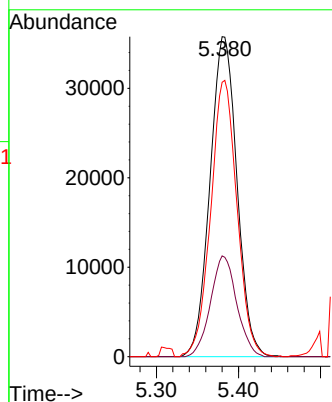


#29
Cyclohexane
Concen: 49.392 ug/L
RT: 5.380 min Scan# 1273
Delta R.T. -0.003 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

Instrument :
MSVOA_U
ClientSampleId :

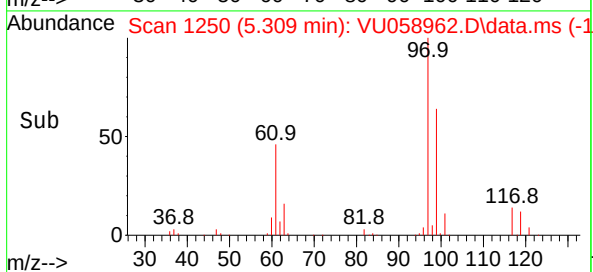
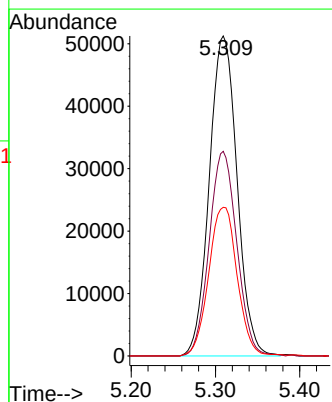
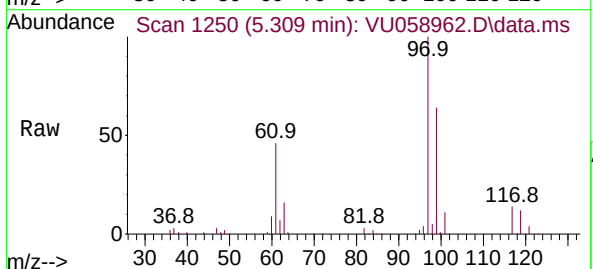


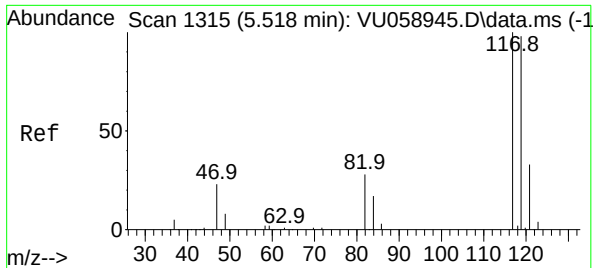
Tgt Ion: 56 Resp: 81903
Ion Ratio Lower Upper
56 100
69 30.5 24.3 36.5
84 84.0 66.7 100.1



#30
1,1,1-Trichloroethane
Concen: 50.296 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

Tgt Ion: 97 Resp: 117604
Ion Ratio Lower Upper
97 100
99 63.5 51.8 77.8
61 47.5 38.9 58.3

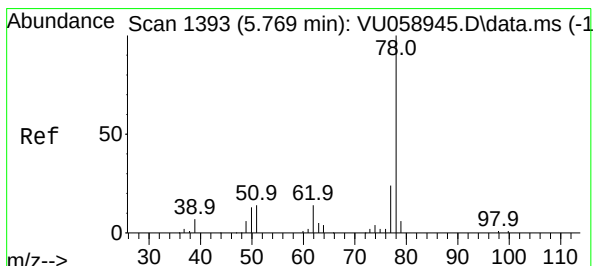
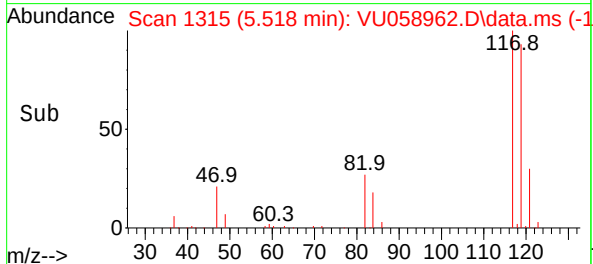
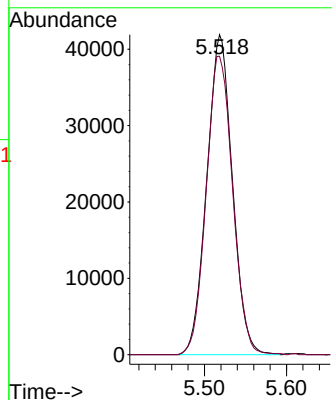
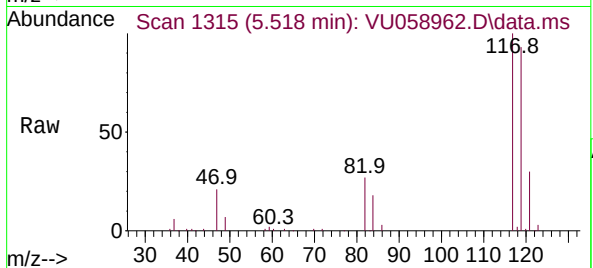




#31
Carbon tetrachloride
Concen: 48.192 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

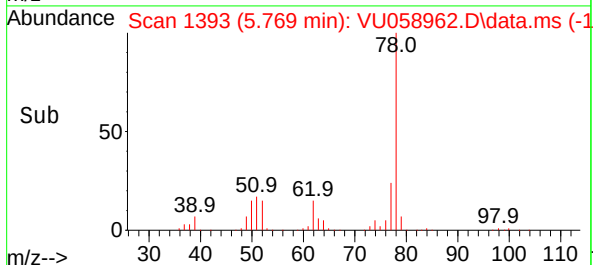
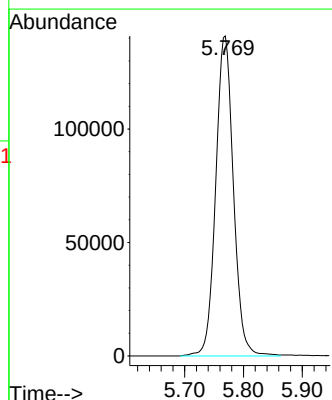
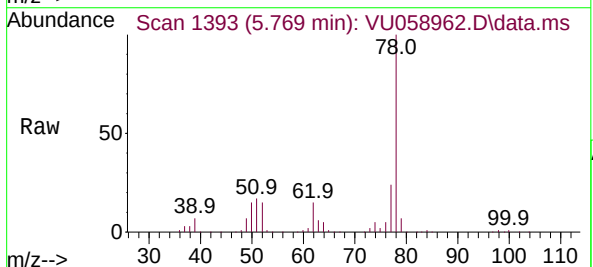
Instrument :
MSVOA_U
ClientSampleId :

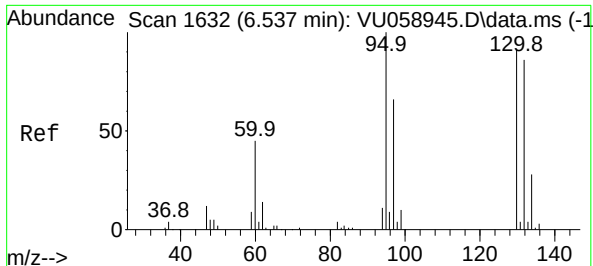
Tgt Ion:117 Resp: 91018
Ion Ratio Lower Upper
117 100
119 96.0 77.4 116.0



#33
Benzene
Concen: 50.357 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

Tgt Ion: 78 Resp: 294941





#34

Trichloroethene

Concen: 396.525 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 616404

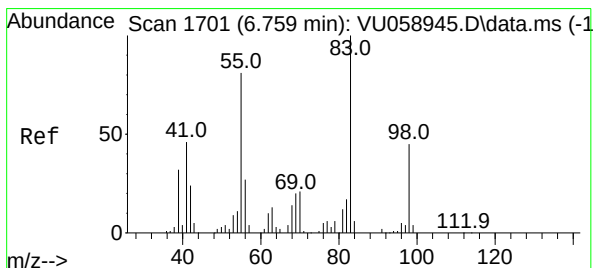
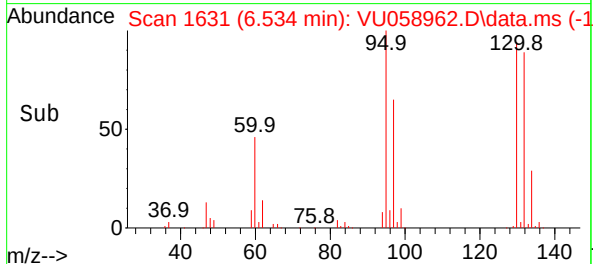
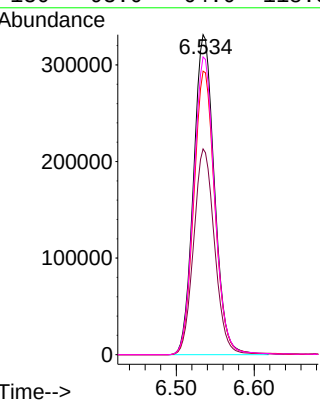
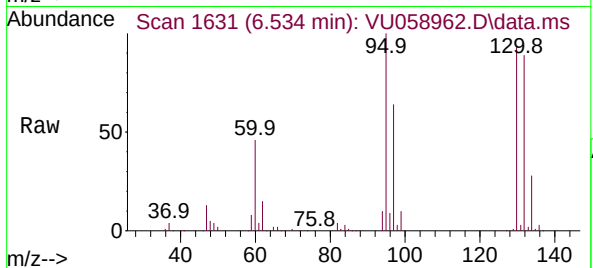
Ion Ratio Lower Upper

95 100

97 64.3 45.9 85.3

132 88.6 60.5 112.5

130 93.0 64.0 118.8



#35

Methylcyclohexane

Concen: 48.188 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.003 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

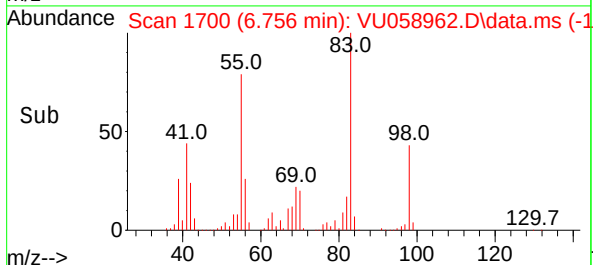
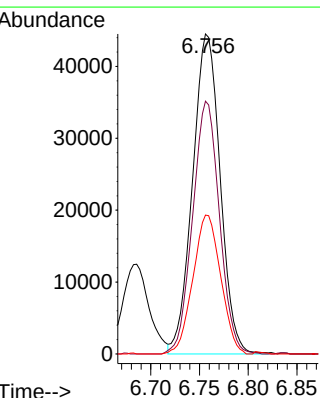
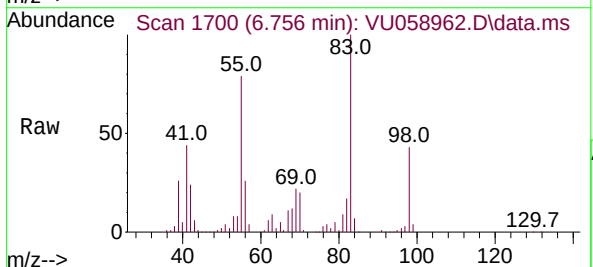
Tgt Ion: 83 Resp: 87799

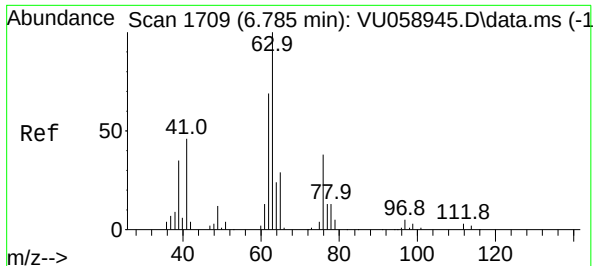
Ion Ratio Lower Upper

83 100

55 76.7 61.5 92.3

98 43.6 36.2 54.2

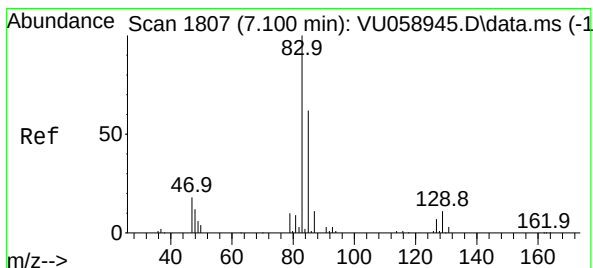
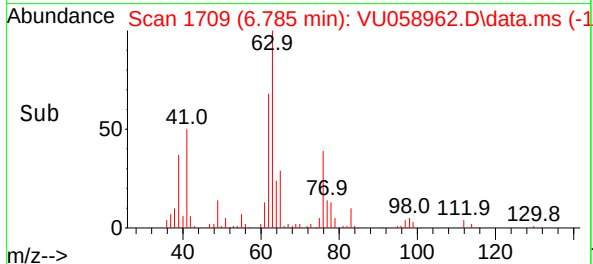
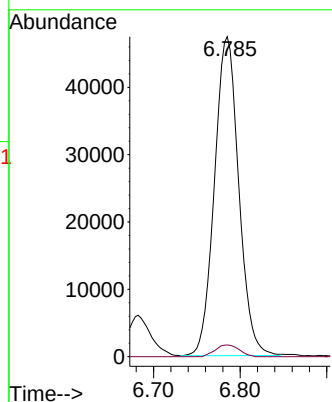
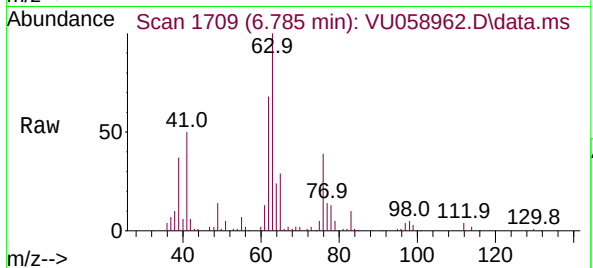




#37
1,2-Dichloropropane
Concen: 48.456 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

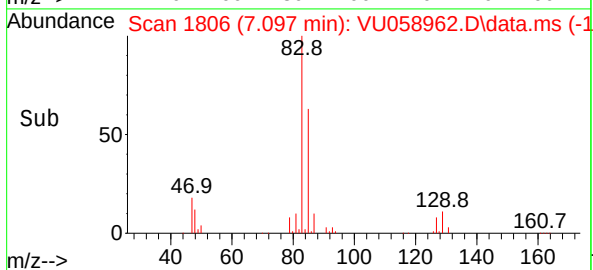
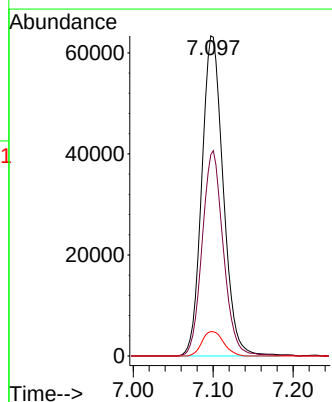
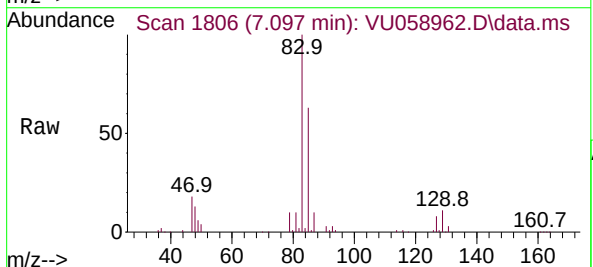
Instrument :
MSVOA_U
ClientSampleId :

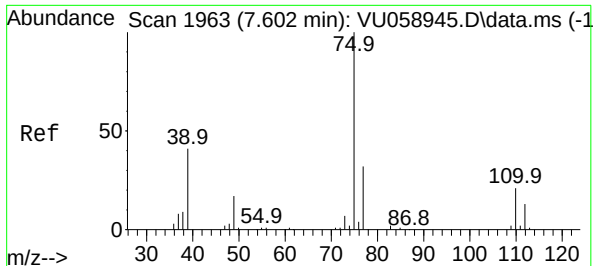
Tgt Ion: 63 Resp: 92237
Ion Ratio Lower Upper
63 100
112 3.6 2.5 3.7



#38
Bromodichloromethane
Concen: 49.985 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

Tgt Ion: 83 Resp: 118245
Ion Ratio Lower Upper
83 100
85 62.8 43.5 80.9
127 8.4 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 49.569 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

Instrument :

MSVOA_U

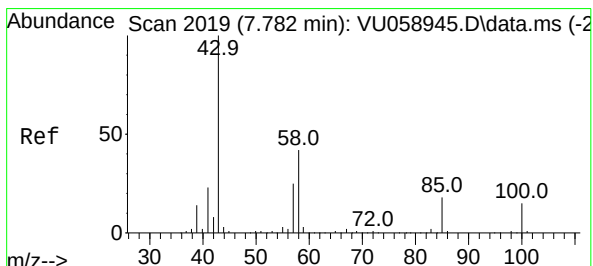
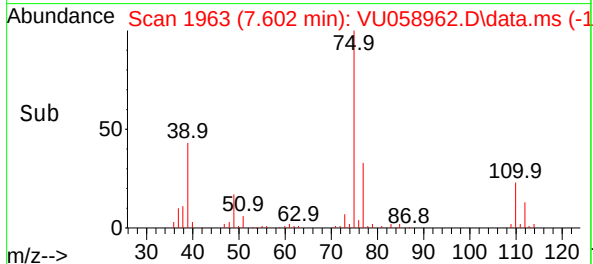
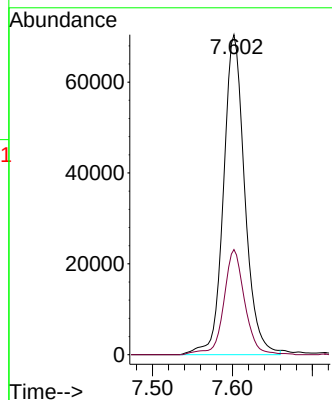
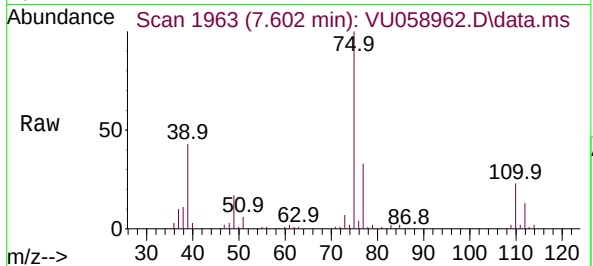
ClientSampleId :

Tgt Ion: 75 Resp: 129969

Ion Ratio Lower Upper

75 100

77 32.9 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 110.114 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

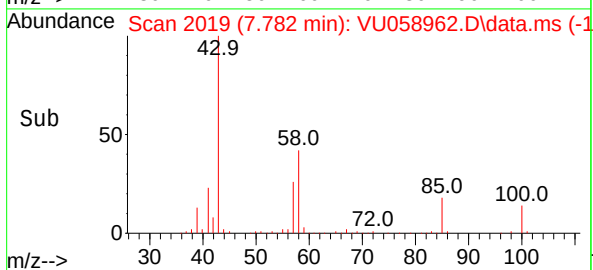
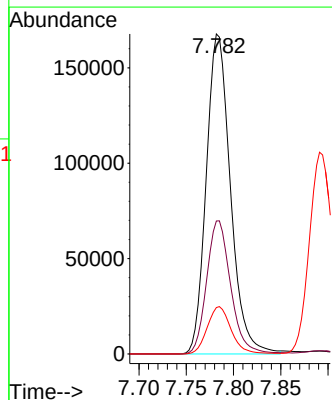
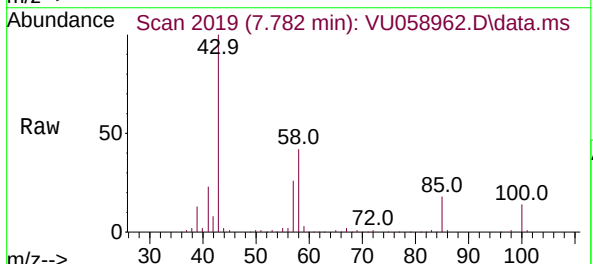
Tgt Ion: 43 Resp: 298798

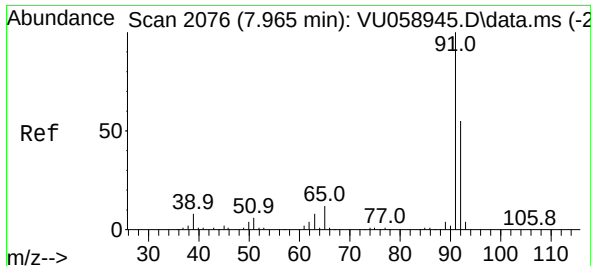
Ion Ratio Lower Upper

43 100

58 41.4 33.5 50.3

100 14.7 11.8 17.8





#42

Toluene

Concen: 50.148 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

Instrument :

MSVOA_U

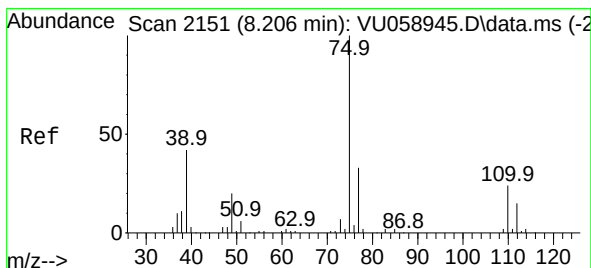
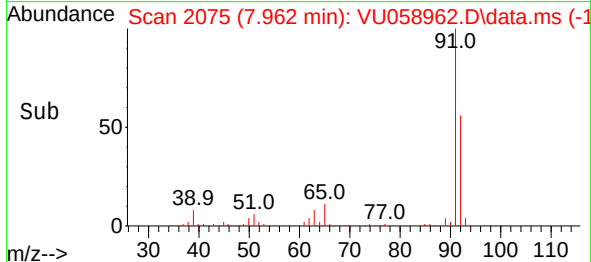
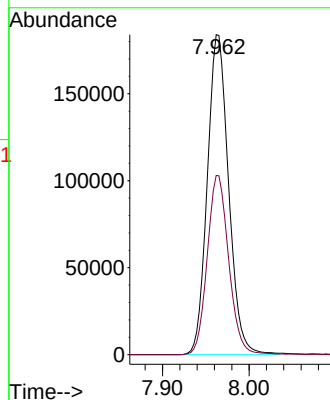
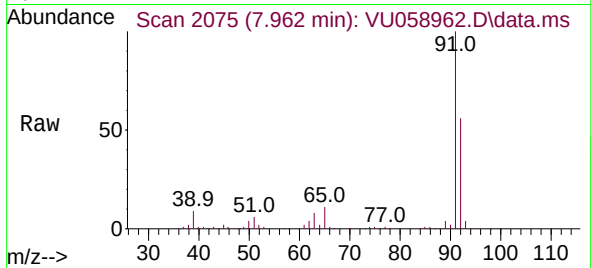
ClientSampleId :

Tgt Ion: 91 Resp: 314838

Ion Ratio Lower Upper

91 100

92 56.0 38.7 71.9



#44

trans-1,3-Dichloropropene

Concen: 50.051 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU058962.D

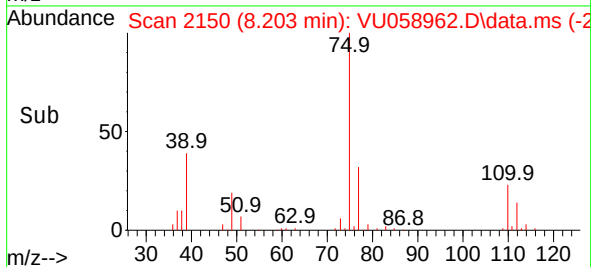
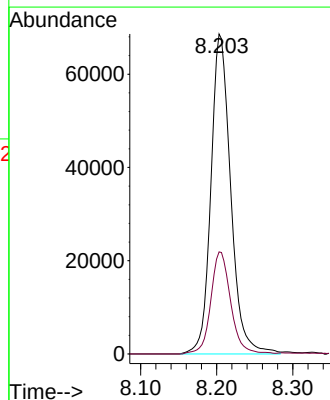
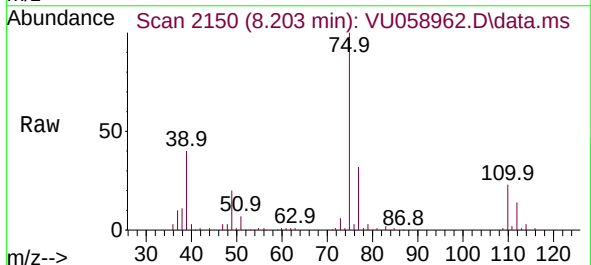
Acq: 23 May 2024 20:46

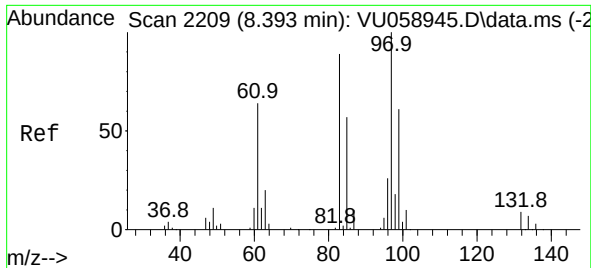
Tgt Ion: 75 Resp: 124230

Ion Ratio Lower Upper

75 100

77 31.9 23.0 42.8

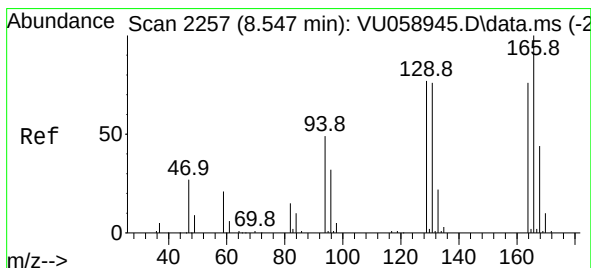
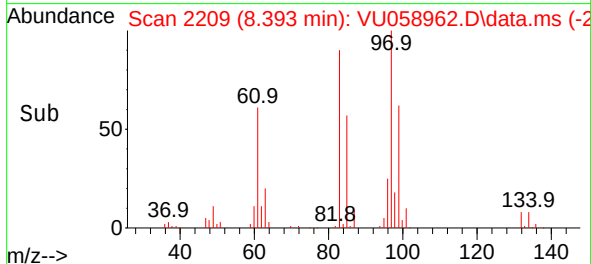
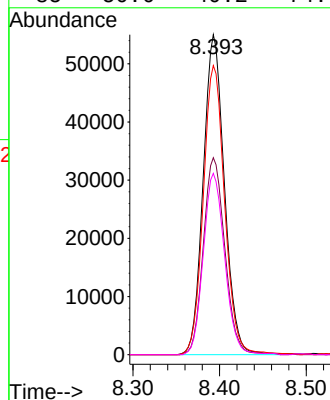
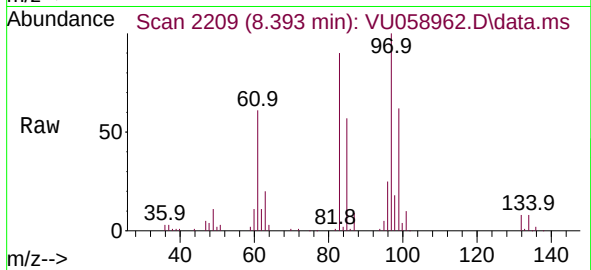




#45
1,1,2-Trichloroethane
Concen: 49.746 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

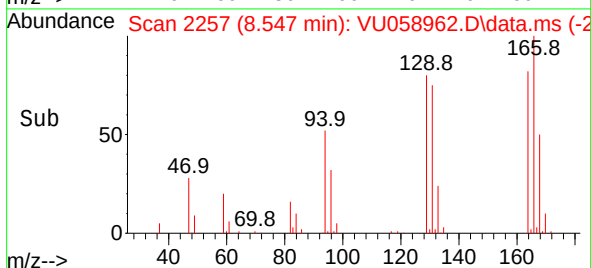
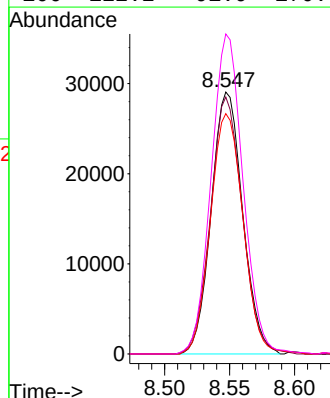
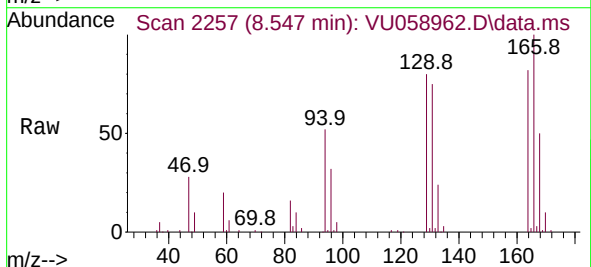
Instrument :
MSVOA_U
ClientSampleId :

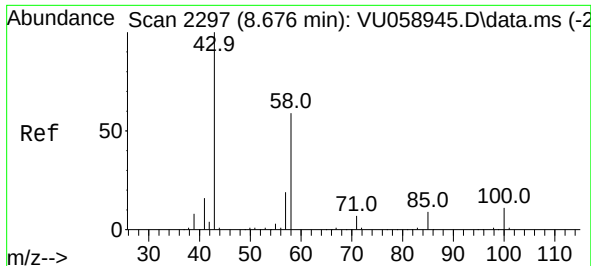
Tgt Ion:	97	Resp:	93486
Ion	Ratio	Lower	Upper
97	100		
99	61.6	42.6	79.2
83	90.3	62.2	115.6
85	56.6	40.2	74.6



#46
Tetrachloroethene
Concen: 47.168 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

Tgt Ion:	164	Resp:	48888
Ion	Ratio	Lower	Upper
164	100		
129	98.1	70.6	131.0
131	91.7	69.2	128.6
166	122.2	91.9	170.7

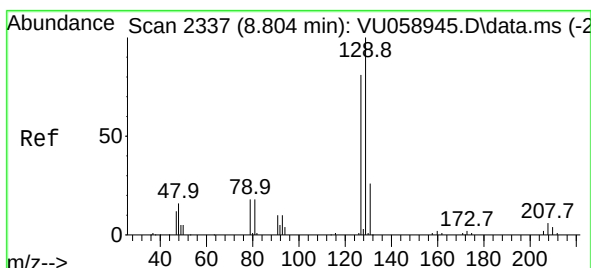
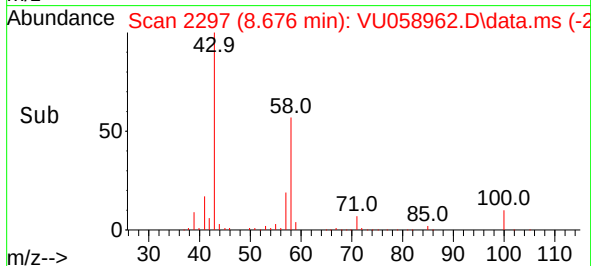
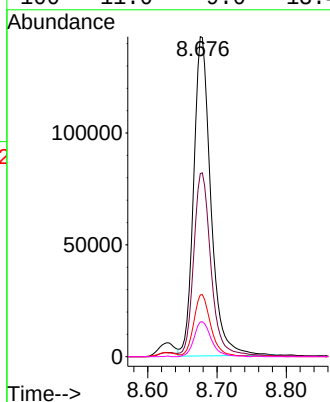
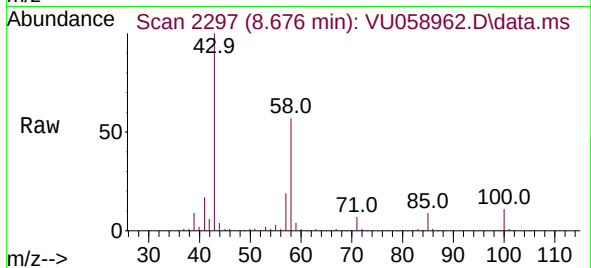




#48
2-Hexanone
Concen: 110.709 ug/L
RT: 8.676 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

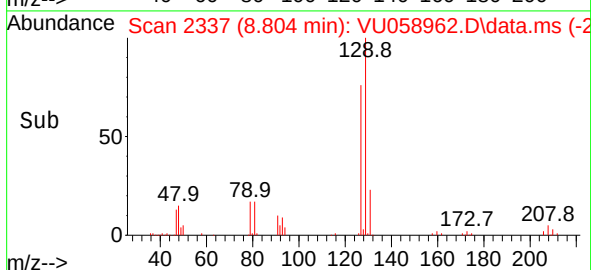
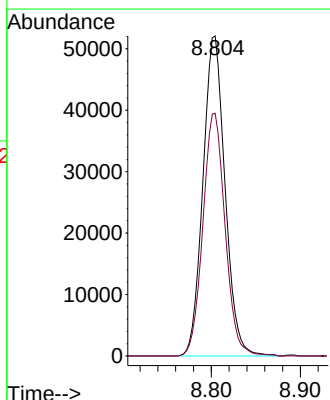
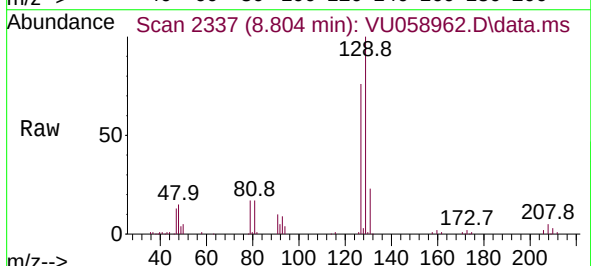
Instrument :
MSVOA_U
ClientSampleId :

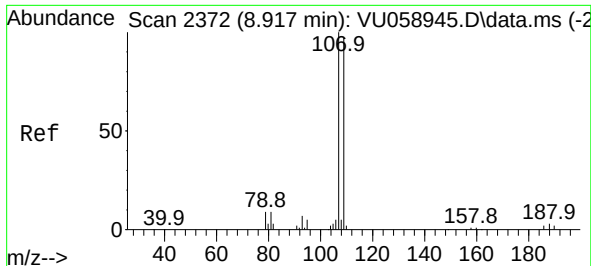
Tgt Ion: 43 Resp: 247355
Ion Ratio Lower Upper
43 100
58 57.3 47.8 71.6
57 19.5 15.7 23.5
100 11.0 9.0 13.4



#49
Dibromochloromethane
Concen: 49.987 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

Tgt Ion: 129 Resp: 89769
Ion Ratio Lower Upper
129 100
127 75.8 56.8 105.4

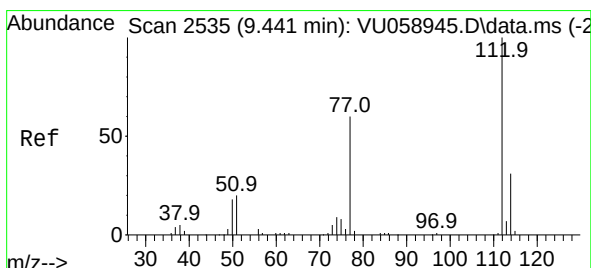
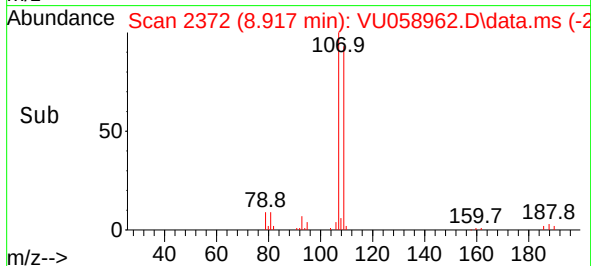
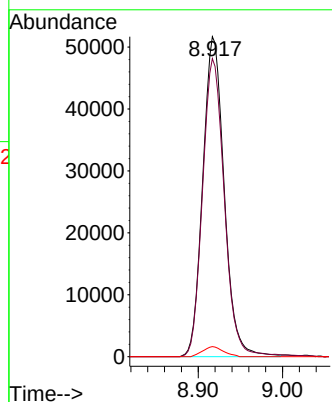
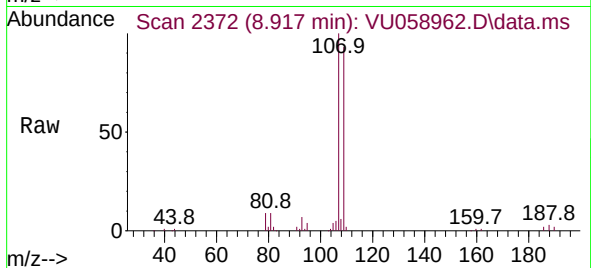




#50
1,2-Dibromoethane
Concen: 51.017 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

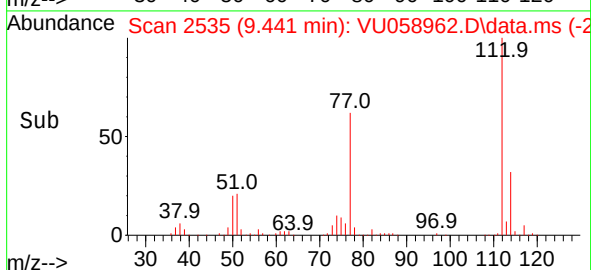
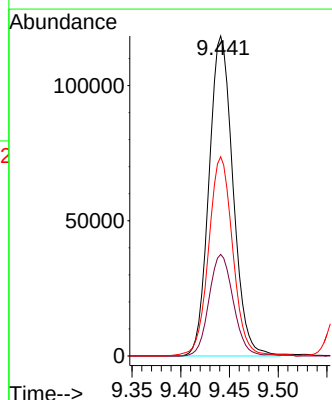
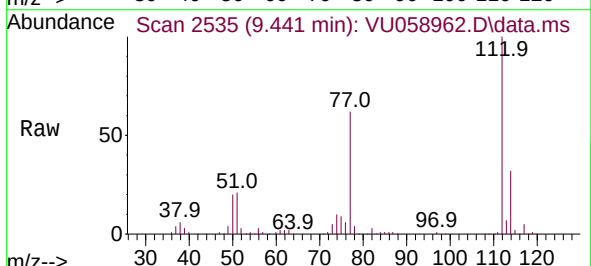
Instrument :
MSVOA_U
ClientSampleId :

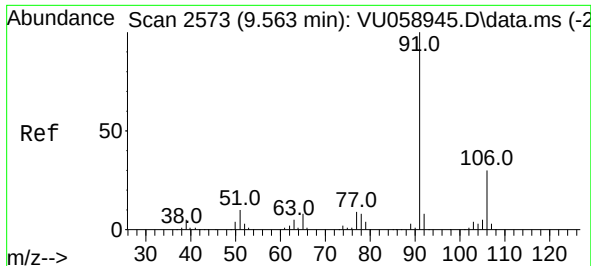
Tgt Ion:107 Resp: 91612
Ion Ratio Lower Upper
107 100
109 93.1 68.0 126.2
188 3.1 2.6 3.8



#51
Chlorobenzene
Concen: 48.857 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

Tgt Ion:112 Resp: 202743
Ion Ratio Lower Upper
112 100
114 31.7 21.8 40.6
77 62.3 48.8 73.2





#52

Ethylbenzene

Concen: 50.163 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

Instrument :

MSVOA_U

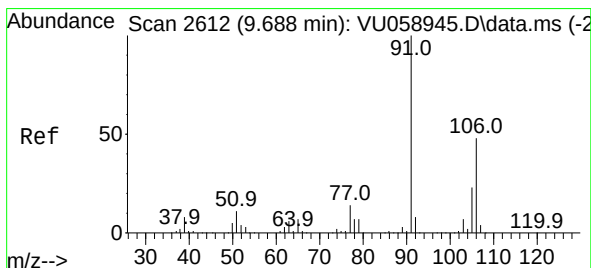
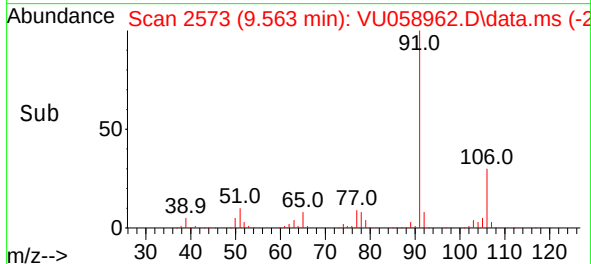
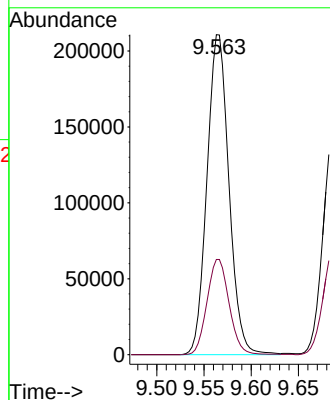
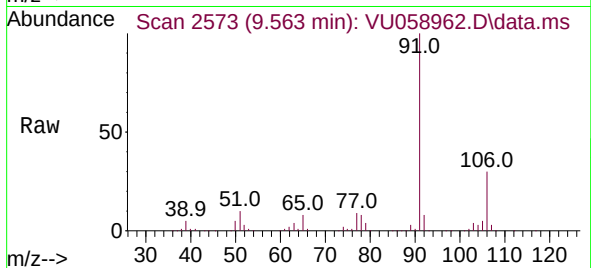
ClientSampleId :

Tgt Ion: 91 Resp: 340818

Ion Ratio Lower Upper

91 100

106 29.8 20.8 38.6



#53

m,p-Xylene

Concen: 50.618 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU058962.D

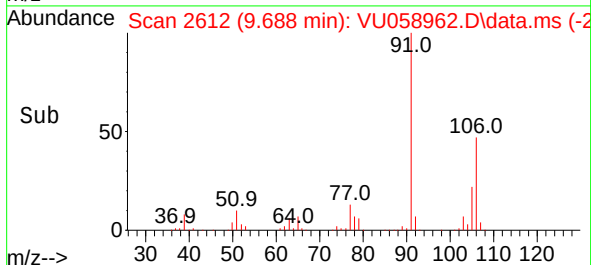
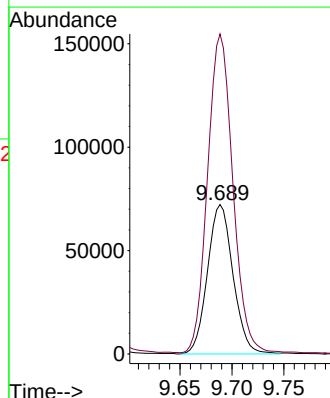
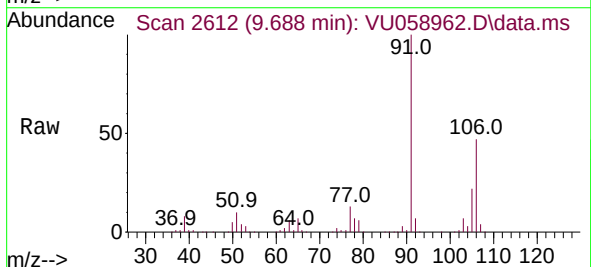
Acq: 23 May 2024 20:46

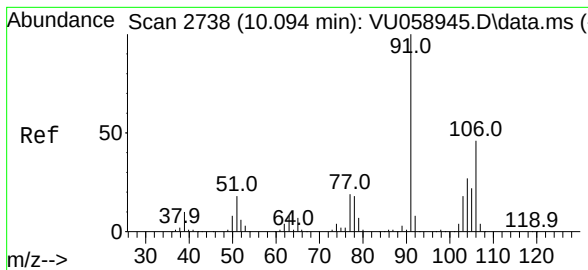
Tgt Ion:106 Resp: 123535

Ion Ratio Lower Upper

106 100

91 214.1 145.7 270.7

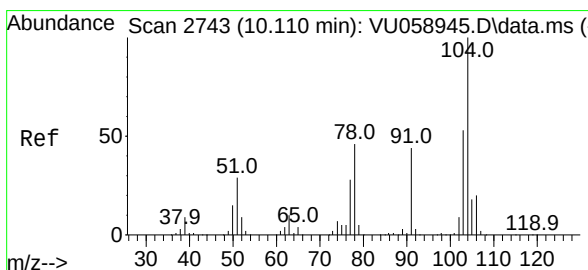
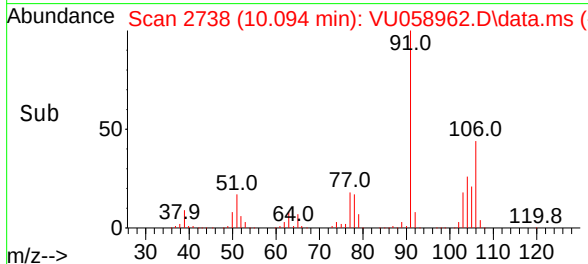
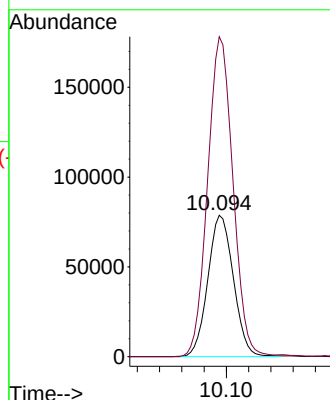
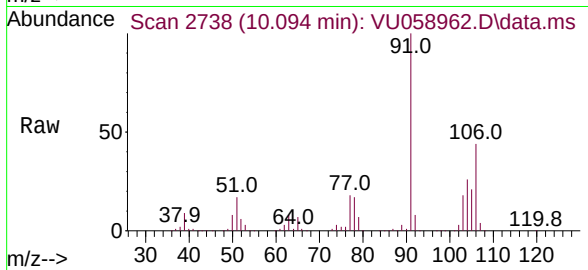




#54
o-Xylene
Concen: 51.462 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

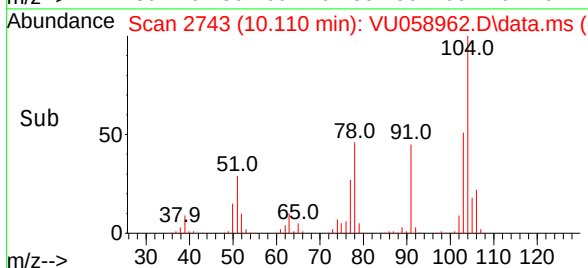
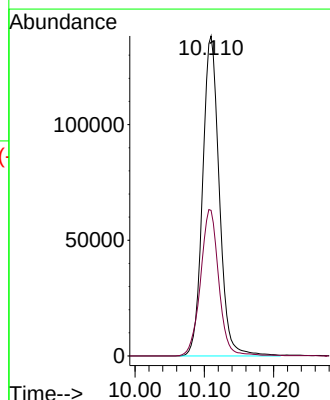
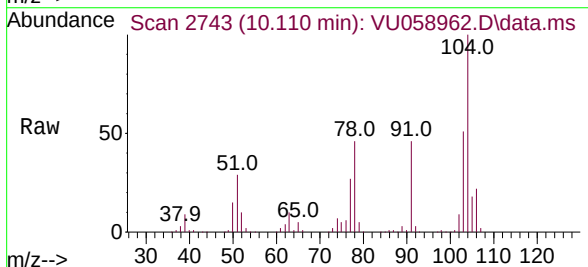
Instrument :
MSVOA_U
ClientSampleId :

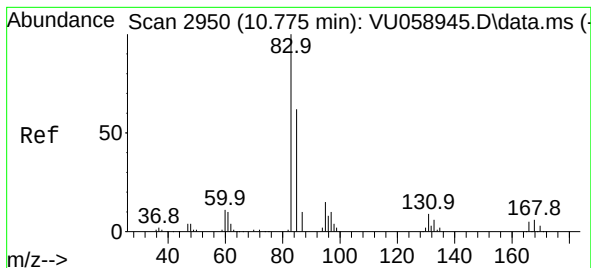
Tgt Ion:106 Resp: 125705
Ion Ratio Lower Upper
106 100
91 226.2 154.0 286.0



#55
Styrene
Concen: 52.947 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

Tgt Ion:104 Resp: 231020
Ion Ratio Lower Upper
104 100
78 45.5 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 50.275 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

Instrument :

MSVOA_U

ClientSampleId :

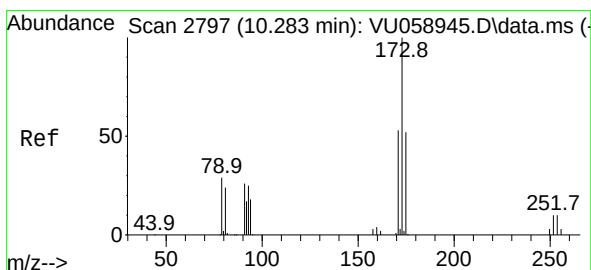
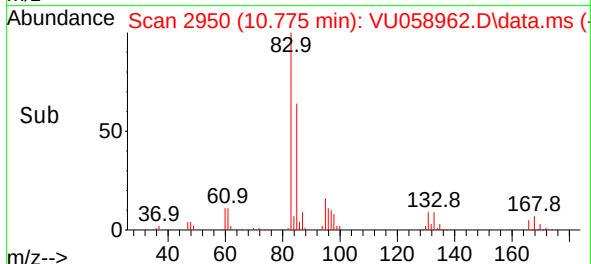
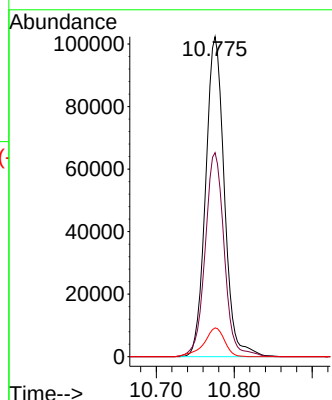
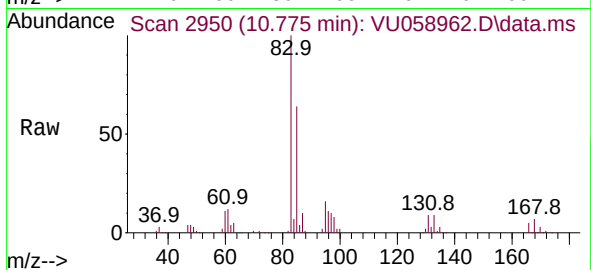
Tgt Ion: 83 Resp: 170259

Ion Ratio Lower Upper

83 100

85 63.8 43.5 80.9

131 9.0 7.1 10.7



#59

Bromoform

Concen: 50.253 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

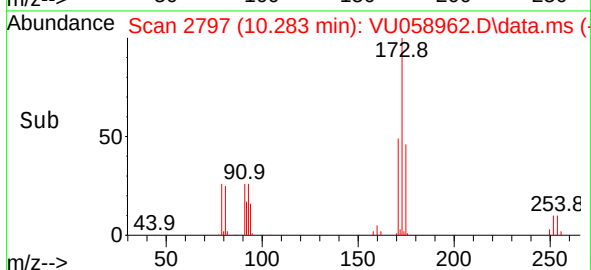
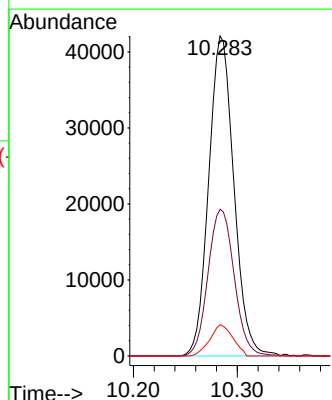
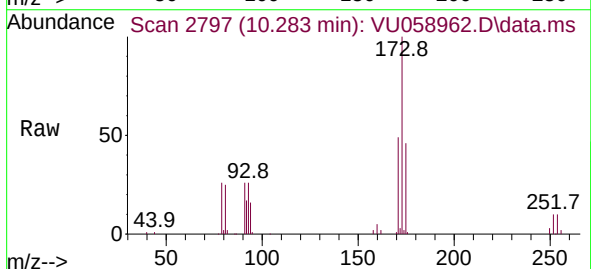
Tgt Ion:173 Resp: 70798

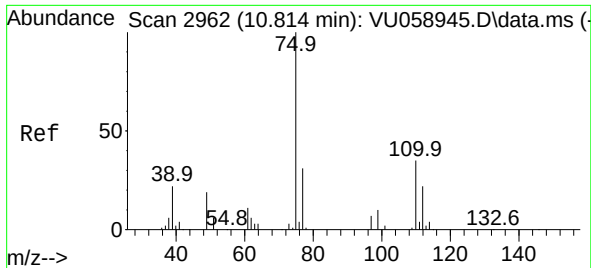
Ion Ratio Lower Upper

173 100

175 47.6 40.6 61.0

254 8.9 7.3 10.9





#60

1,2,3-Trichloropropane

Concen: 51.122 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.003 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

Instrument :

MSVOA_U

ClientSampleId :

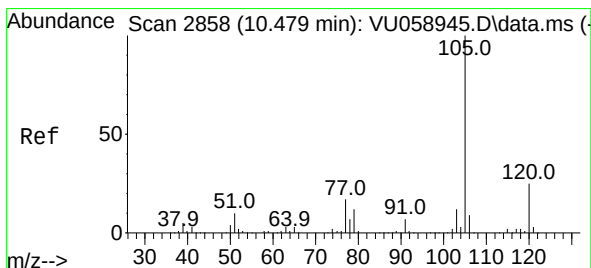
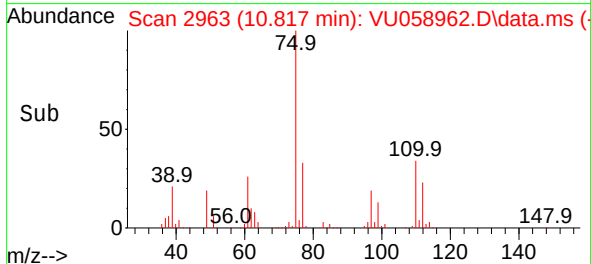
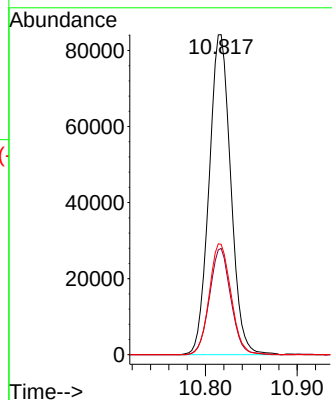
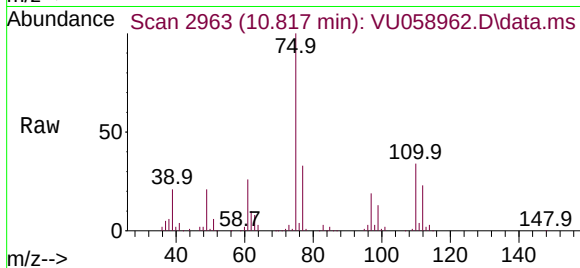
Tgt Ion: 75 Resp: 138284

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.6

110 34.7 28.3 42.5



#61

Isopropylbenzene

Concen: 50.467 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

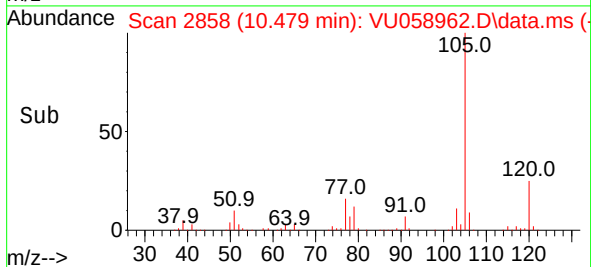
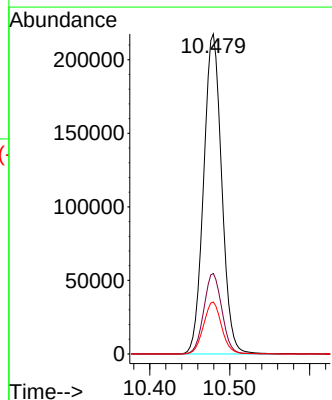
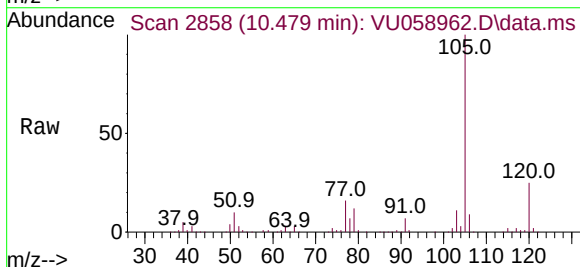
Tgt Ion:105 Resp: 342552

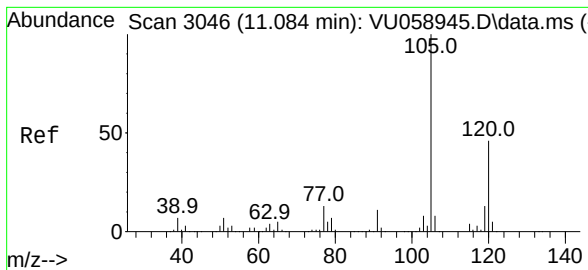
Ion Ratio Lower Upper

105 100

120 25.2 20.0 30.0

77 16.3 13.4 20.0

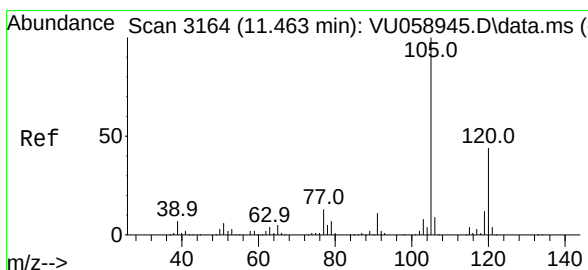
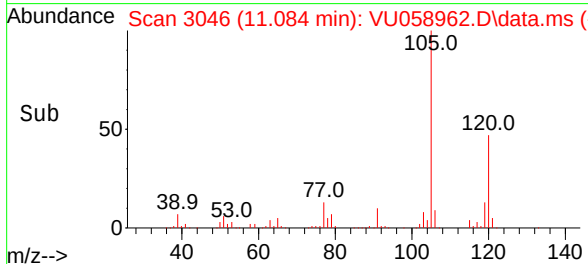
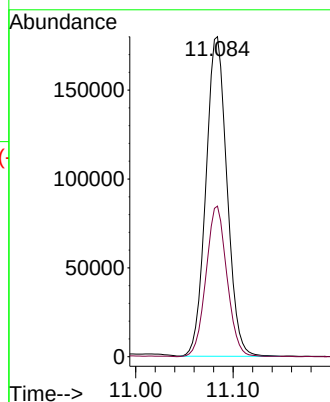
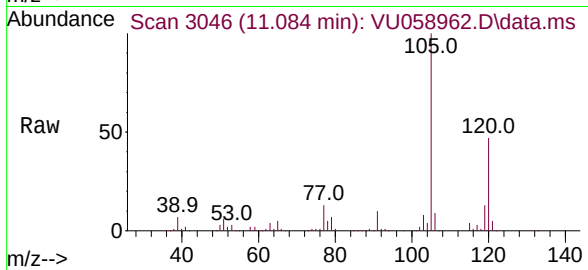




#62
1,3,5-Trimethylbenzene
Concen: 50.599 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

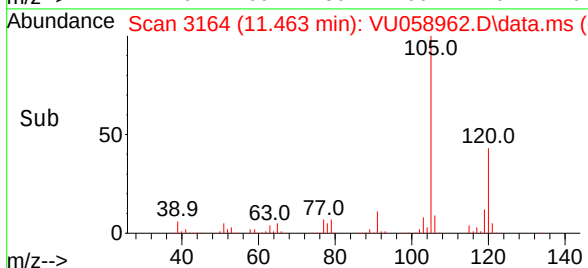
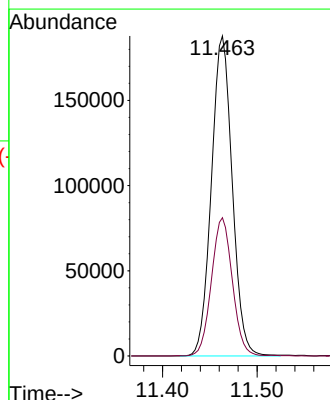
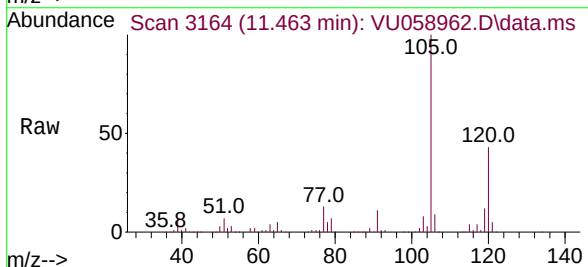
Instrument :
MSVOA_U
ClientSampleId :

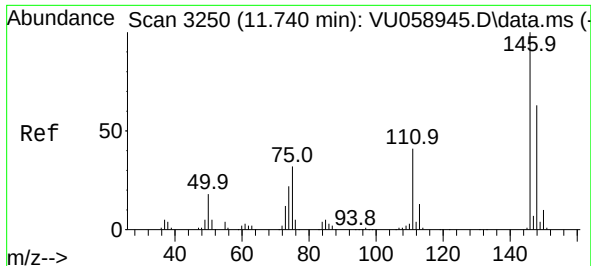
Tgt Ion:105 Resp: 270575
Ion Ratio Lower Upper
105 100
120 46.8 36.9 55.3



#63
1,2,4-Trimethylbenzene
Concen: 53.332 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

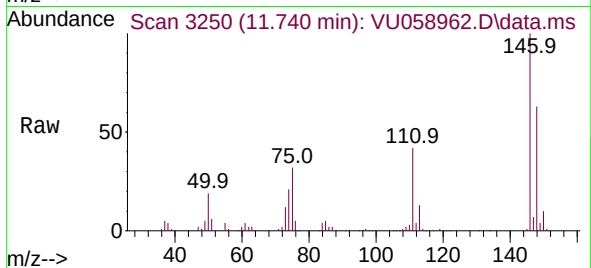
Tgt Ion:105 Resp: 287611
Ion Ratio Lower Upper
105 100
120 43.1 35.3 52.9



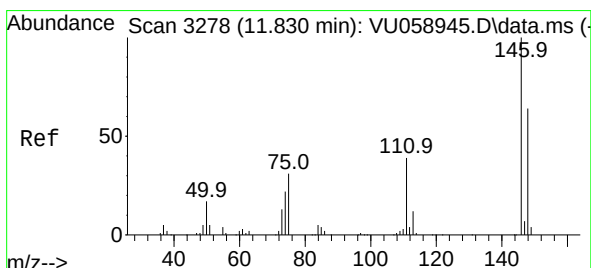
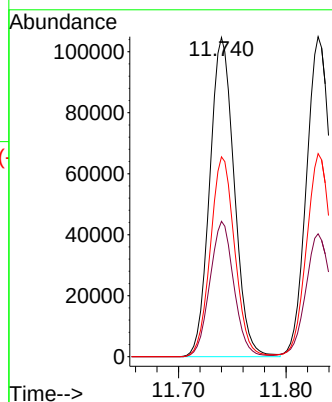
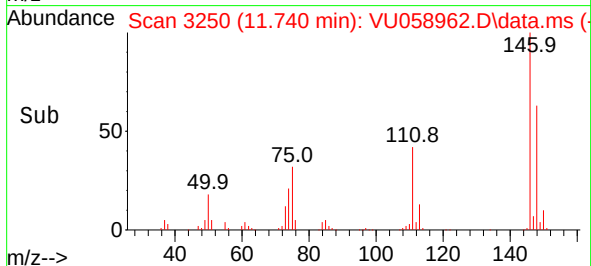


#64
1,3-Dichlorobenzene
Concen: 46.970 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46

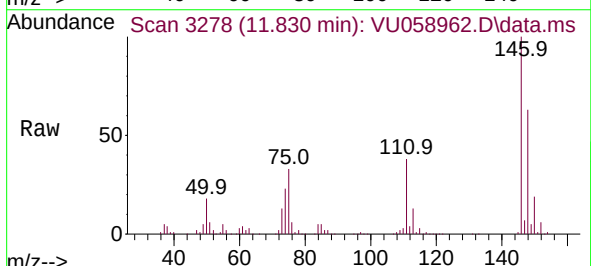
Instrument :
MSVOA_U
ClientSampleId :



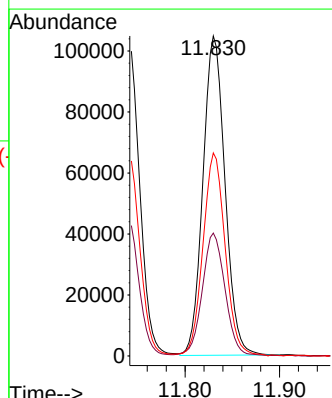
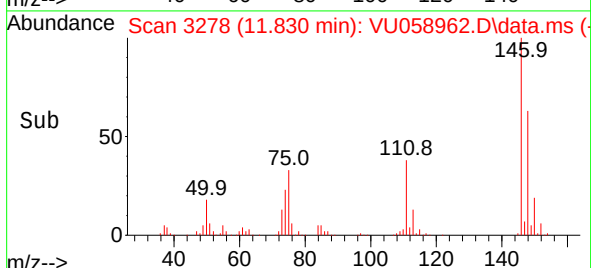
Tgt Ion:146 Resp: 165514
Ion Ratio Lower Upper
146 100
111 42.4 28.6 53.0
148 62.6 44.2 82.2

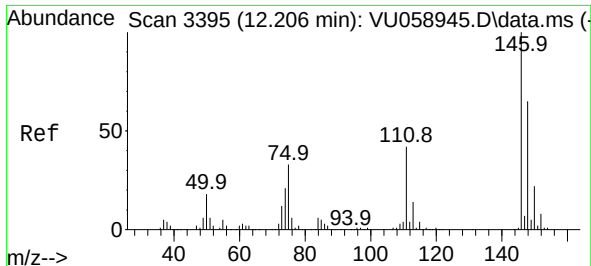


#65
1,4-Dichlorobenzene
Concen: 47.662 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU058962.D
Acq: 23 May 2024 20:46



Tgt Ion:146 Resp: 169641
Ion Ratio Lower Upper
146 100
111 38.4 27.3 50.7
148 63.5 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 48.013 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

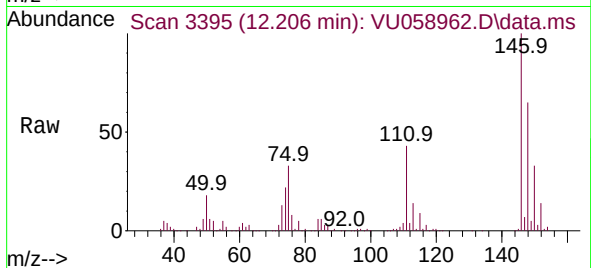
Lab File: VU058962.D

Acq: 23 May 2024 20:46

Instrument :

MSVOA_U

ClientSampleId :



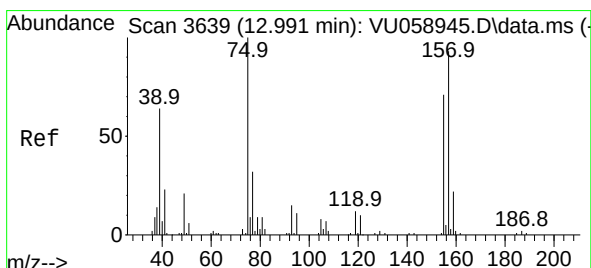
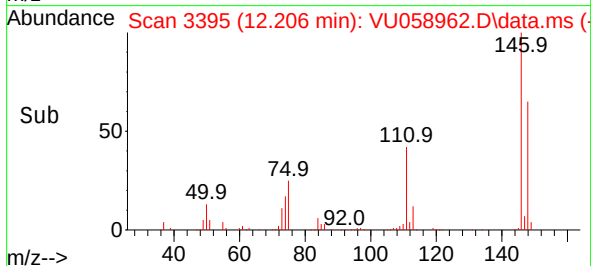
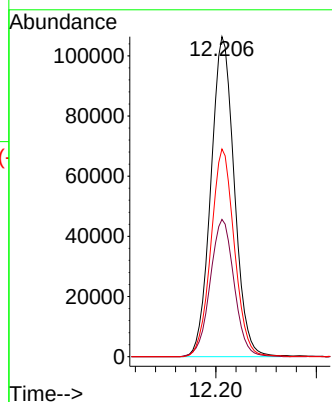
Tgt Ion:146 Resp: 172086

Ion Ratio Lower Upper

146 100

111 42.9 34.1 51.1

148 64.9 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 52.910 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

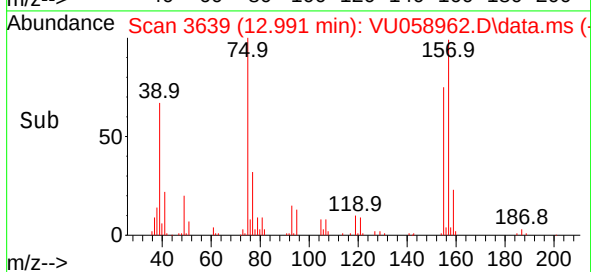
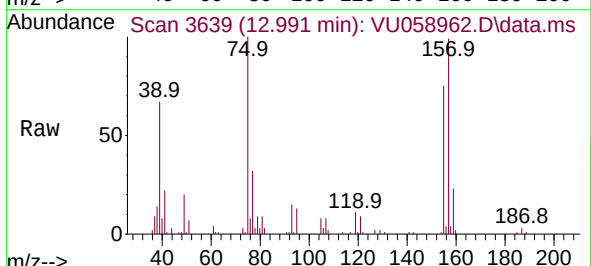
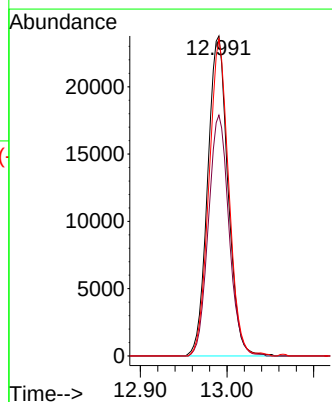
Tgt Ion: 75 Resp: 38718

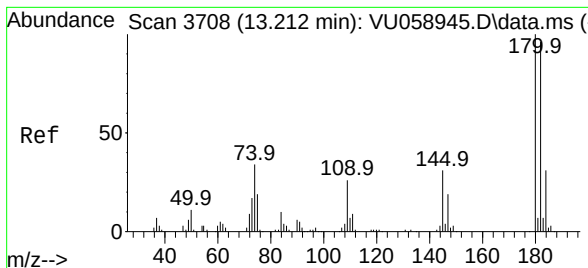
Ion Ratio Lower Upper

75 100

155 75.2 60.2 90.4

157 103.6 77.2 115.8





#69

1,3,5-Trichlorobenzene

Concen: 45.025 ug/L

RT: 13.212 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 111753

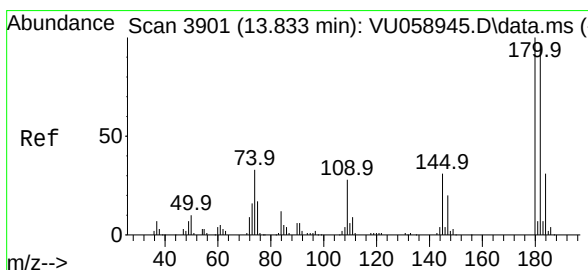
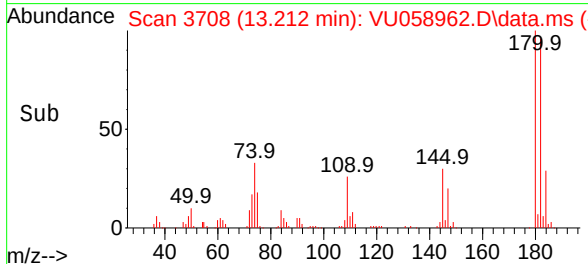
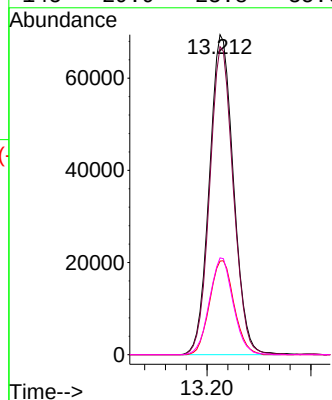
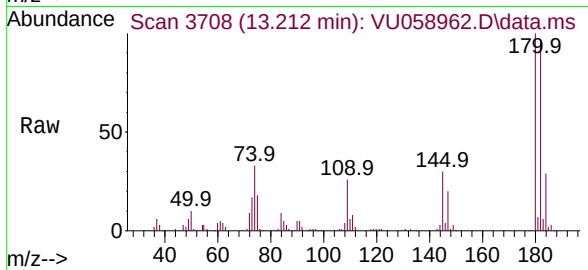
Ion Ratio Lower Upper

180 100

182 94.3 75.7 113.5

184 29.7 24.3 36.5

145 29.9 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 46.279 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

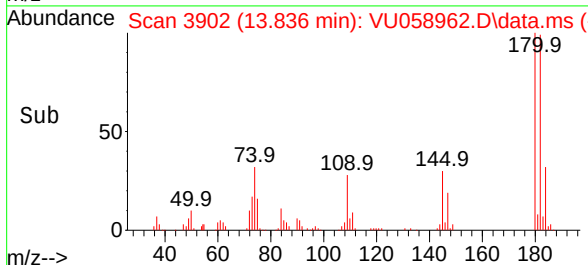
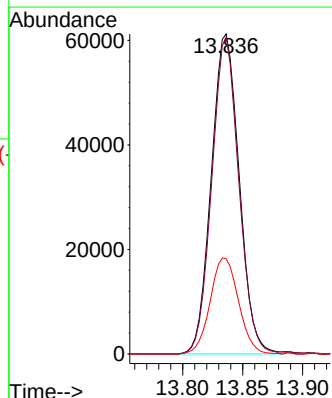
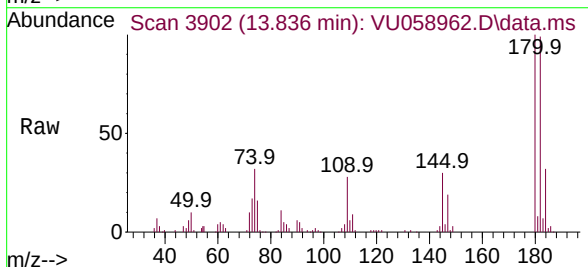
Tgt Ion:180 Resp: 98938

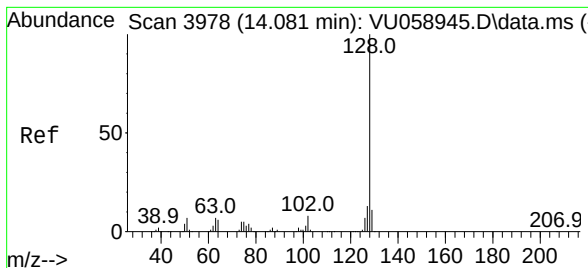
Ion Ratio Lower Upper

180 100

182 95.8 78.6 117.8

145 30.5 24.6 37.0





#71

Naphthalene

Concen: 51.300 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

Instrument :

MSVOA_U

ClientSampleId :

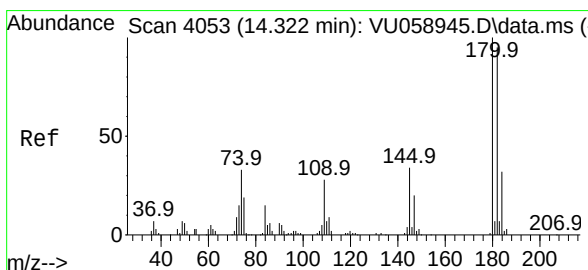
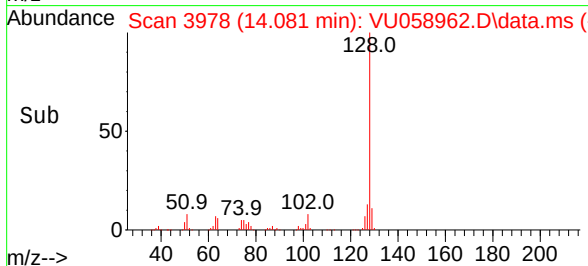
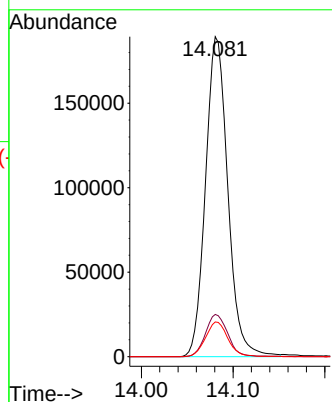
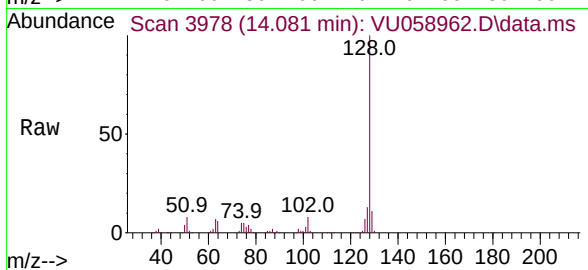
Tgt Ion:128 Resp: 319882

Ion Ratio Lower Upper

128 100

127 13.1 10.8 16.2

129 10.9 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 47.990 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU058962.D

Acq: 23 May 2024 20:46

Tgt Ion:180 Resp: 105086

Ion Ratio Lower Upper

180 100

182 93.9 76.1 114.1

145 30.9 26.2 39.2

