

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102822\
 Data File : VU051570.D
 Acq On : 28 Oct 2022 15:42
 Operator : JC/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 28 22:45:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 28 22:38:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	223748	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	225682	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	117904	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	73974	4.390	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.800%
7) Chloroethane-d5	1.909	69	82168	4.675	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.600%
11) 1,1-Dichloroethene-d2	2.562	65	26932	4.404	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.000%
20) 2-Butanone-d5	4.629	46	311421	51.028	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.060%
24) Chloroform-d	5.060	84	189915	4.816	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	5.700	65	100788	4.731	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
32) Benzene-d6	5.726	84	344372	4.835	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
36) 1,2-Dichloropropane-d6	6.687	67	120705	4.847	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.000%
41) Toluene-d8	7.896	98	274352	4.899	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
43) trans-1,3-Dichloroprop...	8.179	79	37395	4.911	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.200%
46) 2-Hexanone-d5	8.632	63	246581	53.794	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.580%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	115053	5.042	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	100768	4.657	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	118739	4.852	ug/L	99
3) Chloromethane	1.523	50	152103	4.931	ug/L	97
5) Vinyl chloride	1.601	62	145313	4.918	ug/L	99
6) Bromomethane	1.855	94	70687	5.045	ug/L	94
8) Chloroethane	1.932	64	92257	5.142	ug/L	97
9) Trichlorofluoromethane	2.134	101	157441	4.854	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	93235	4.889	ug/L	99
12) 1,1-Dichloroethene	2.575	96	94727	4.870	ug/L	98
13) Acetone	2.642	43	164566	53.145	ug/L	99
14) Carbon disulfide	2.790	76	312580	4.985	ug/L	100
15) Methyl Acetate	2.954	43	40561	5.003	ug/L	96
16) Methylene chloride	3.041	84	134018	4.206	ug/L	97
17) Methyl tert-butyl Ether	3.362	73	233890	5.244	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	106175	5.086	ug/L	100
19) 1,1-Dichloroethane	3.867	63	198465	5.154	ug/L	99
21) 2-Butanone	4.710	43	265892	54.832	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	119318	5.166	ug/L	98
23) Bromochloromethane	4.973	128	54595	5.055	ug/L	98
25) Chloroform	5.086	83	205342	5.141	ug/L	99

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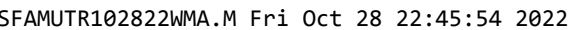
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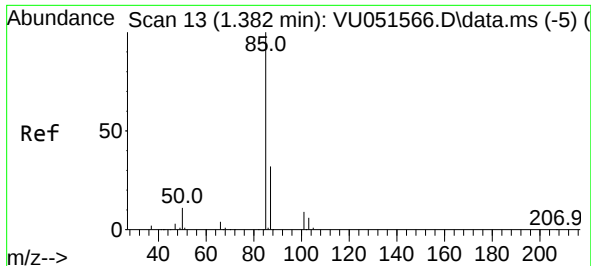
Quant Time: Oct 28 22:45:47 2022
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	123776	5.035	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	154667	5.048	ug/L	99
30) Cyclohexane	5.385	56	141944	5.031	ug/L	98
31) Carbon tetrachloride	5.523	117	130376	4.975	ug/L	99
33) Benzene	5.771	78	465060	5.222	ug/L	100
34) Trichloroethene	6.539	95	113514	5.281	ug/L	99
35) Methylcyclohexane	6.761	83	148627	5.001	ug/L	99
37) 1,2-Dichloropropane	6.790	63	121064	5.285	ug/L	99
38) Bromodichloromethane	7.102	83	147727	5.280	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	154283	5.250	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	639908	55.695	ug/L	100
42) Toluene	7.967	91	495560	5.418	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	133221	5.424	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	88778	5.289	ug/L	97
47) Tetrachloroethene	8.552	164	83017	5.043	ug/L	94
48) 2-Hexanone	8.684	43	479379	56.367	ug/L	99
49) Dibromochloromethane	8.809	129	101207	5.278	ug/L	98
50) 1,2-Dibromoethane	8.922	107	79942	5.279	ug/L	93
51) Chlorobenzene	9.446	112	301882	5.244	ug/L	100
52) Ethylbenzene	9.568	91	464787	5.267	ug/L	98
53) m,p-Xylene	9.693	106	186985	5.455	ug/L	99
54) o-Xylene	10.099	106	181142	5.407	ug/L	98
55) Styrene	10.111	104	319413	5.703	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	109403	5.256	ug/L	98
59) Bromoform	10.288	173	55059	5.054	ug/L	99
60) Isopropylbenzene	10.481	105	450261	5.231	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	77714	5.097	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	116488	5.027	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	345757	5.175	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	220950	5.156	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	220337	5.128	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	210947	5.054	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	16280	5.186	ug/L	92
69) 1,3,5-Trichlorobenzene	13.217	180	151324	4.954	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	115309	4.918	ug/L	98
71) Naphthalene	14.086	128	206896	4.727	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	116251	4.910	ug/L	99

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

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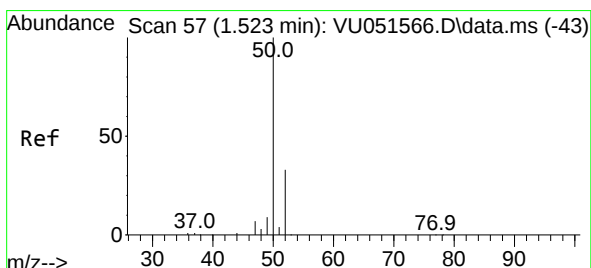
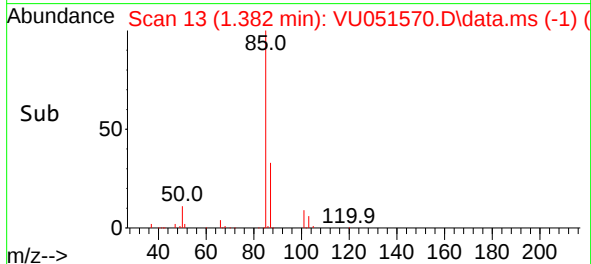
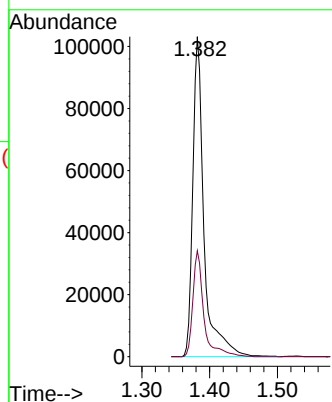
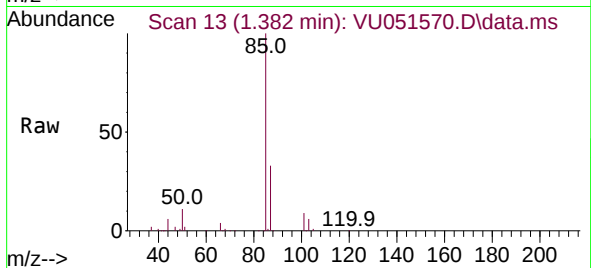




#2
Dichlorodifluoromethane
Concen: 4.852 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

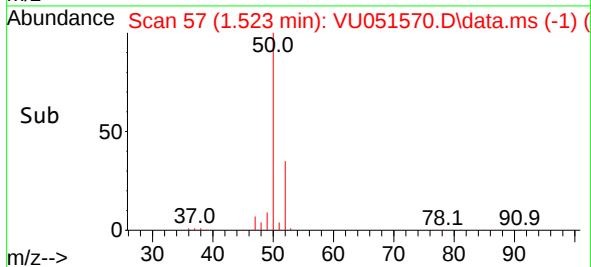
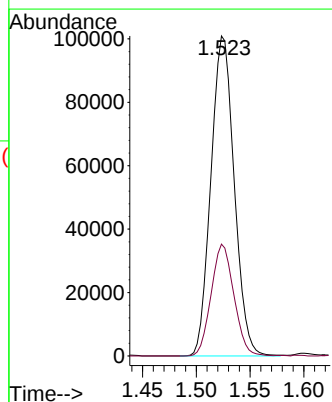
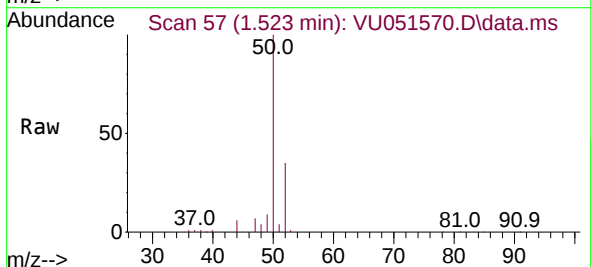
Instrument :
MSVOA_U
ClientSampleId :

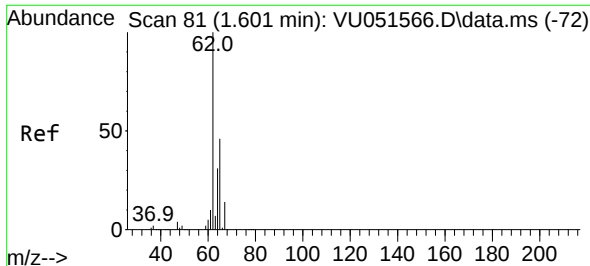
Tgt Ion: 85 Resp: 118739
Ion Ratio Lower Upper
85 100
87 32.4 25.7 38.5



#3
Chloromethane
Concen: 4.931 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

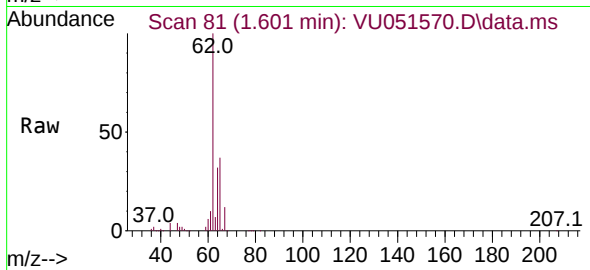
Tgt Ion: 50 Resp: 152103
Ion Ratio Lower Upper
50 100
52 35.0 23.2 43.2



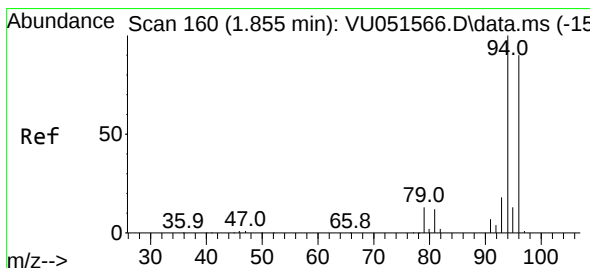
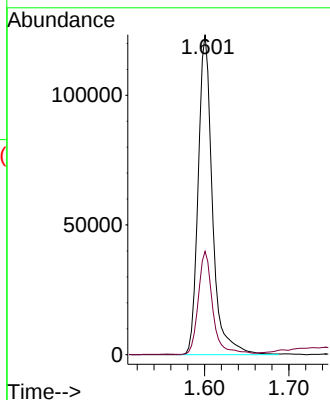
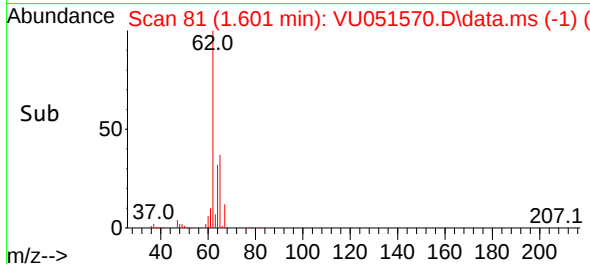


#5
 Vinyl chloride
 Concen: 4.918 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051570.D
 Acq: 28 Oct 2022 15:42

Instrument :
 MSVOA_U
 ClientSampleId :

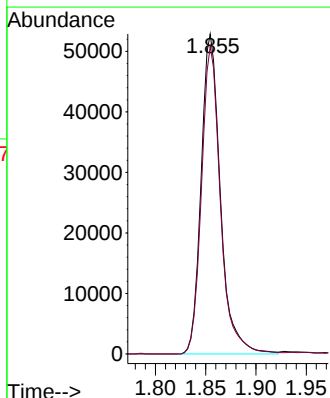
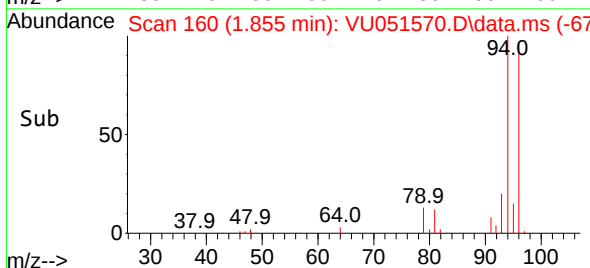
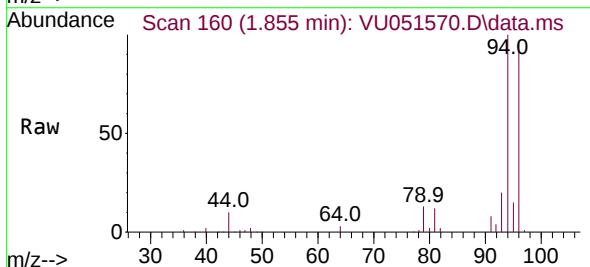


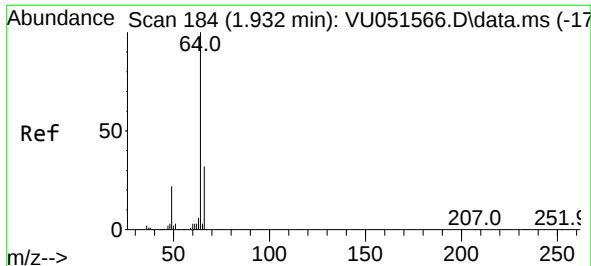
Tgt Ion: 62 Resp: 145313
 Ion Ratio Lower Upper
 62 100
 64 32.3 22.1 41.1



#6
 Bromomethane
 Concen: 5.045 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. -0.000 min
 Lab File: VU051570.D
 Acq: 28 Oct 2022 15:42

Tgt Ion: 94 Resp: 70687
 Ion Ratio Lower Upper
 94 100
 96 96.1 63.2 117.4

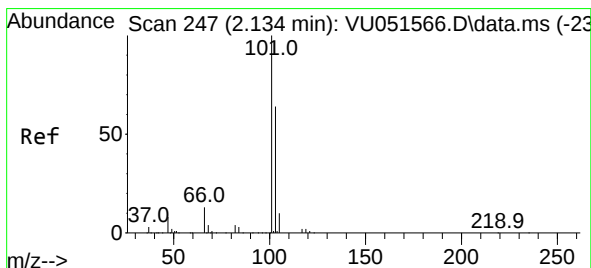
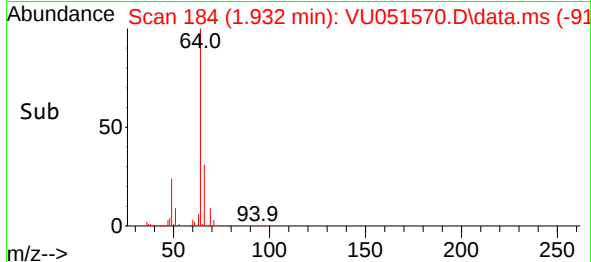
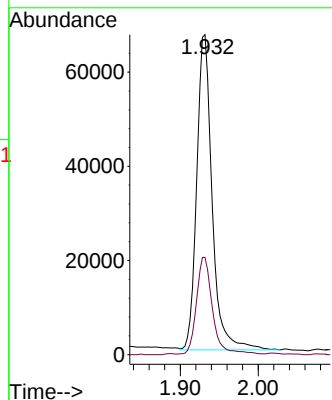
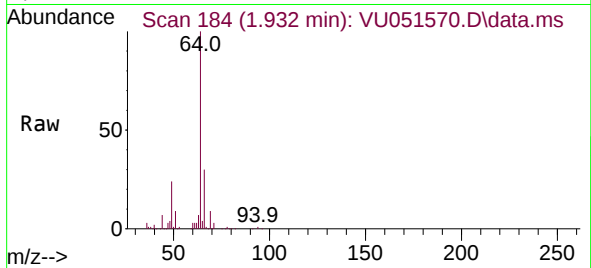




#8
Chloroethane
Concen: 5.142 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

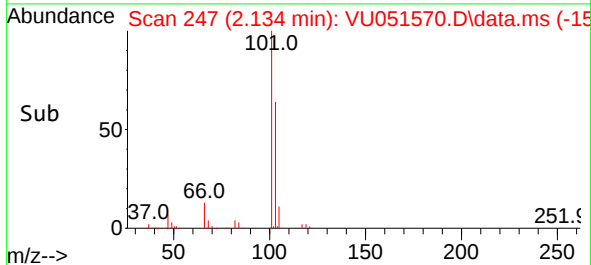
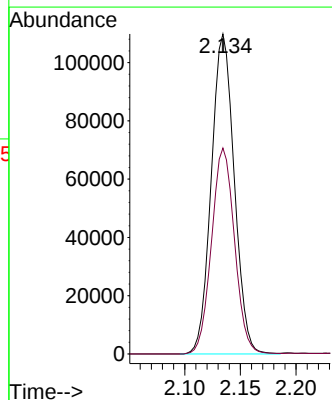
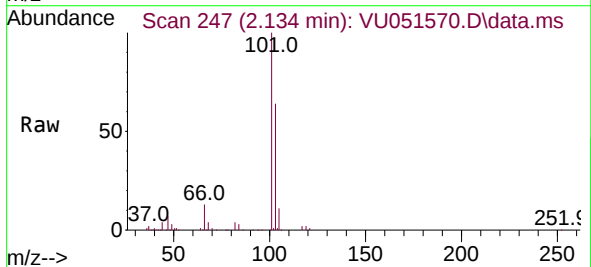
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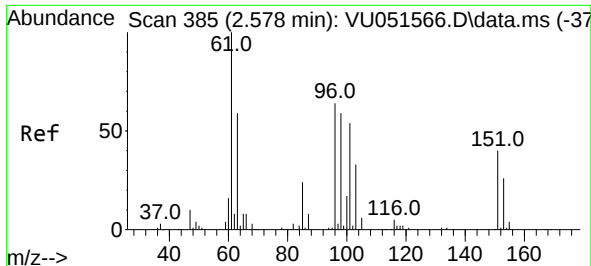
Tgt Ion: 64 Resp: 92257
Ion Ratio Lower Upper
64 100
66 30.4 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.854 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

Tgt Ion: 101 Resp: 157441
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.6

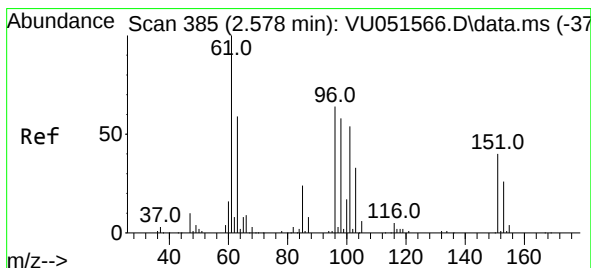
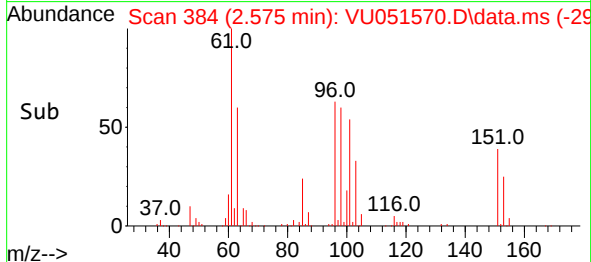
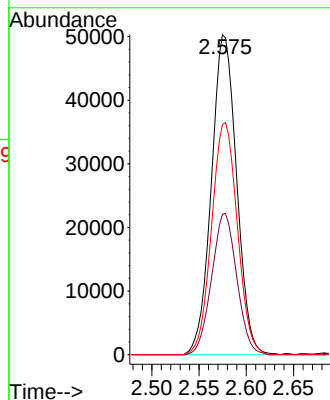
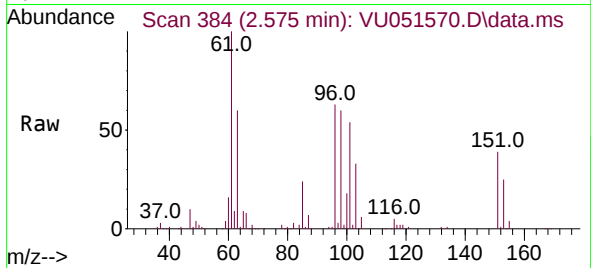




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.889 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU051570.D
 Acq: 28 Oct 2022 15:42

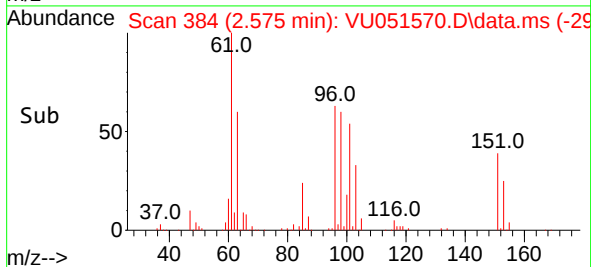
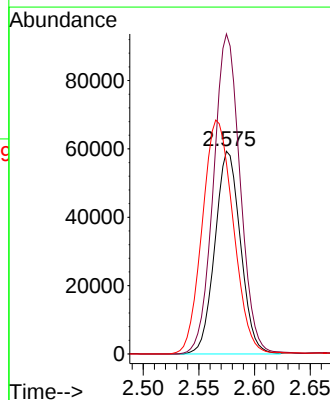
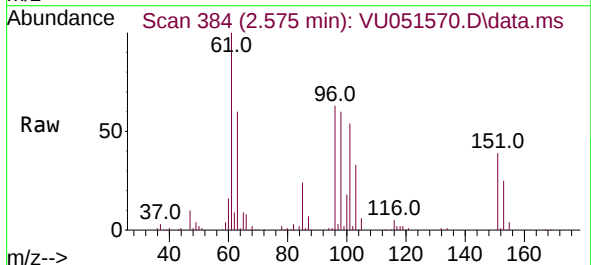
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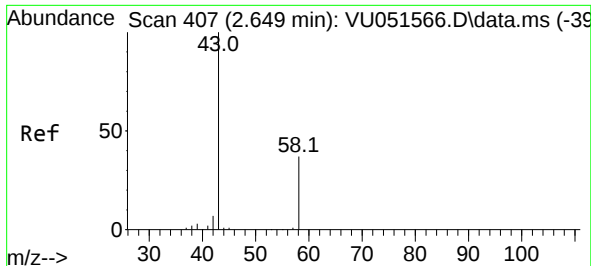
Tgt Ion: 101 Resp: 93235
 Ion Ratio Lower Upper
 101 100
 85 44.0 35.6 53.4
 151 74.0 59.6 89.4



#12
 1,1-Dichloroethene
 Concen: 4.870 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU051570.D
 Acq: 28 Oct 2022 15:42

Tgt Ion: 96 Resp: 94727
 Ion Ratio Lower Upper
 96 100
 61 157.9 108.8 202.0
 63 94.2 64.9 120.5





#13

Acetone

Concen: 53.145 ug/L

RT: 2.642 min Scan# 407

Delta R.T. -0.006 min

Lab File: VU051570.D

Acq: 28 Oct 2022 15:42

Instrument :

MSVOA_U

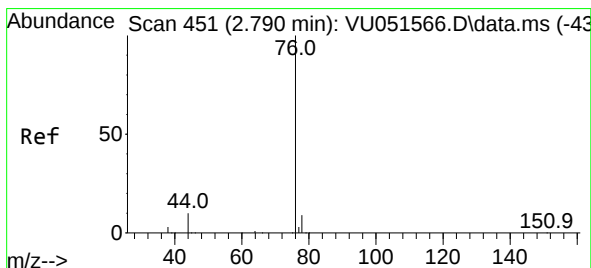
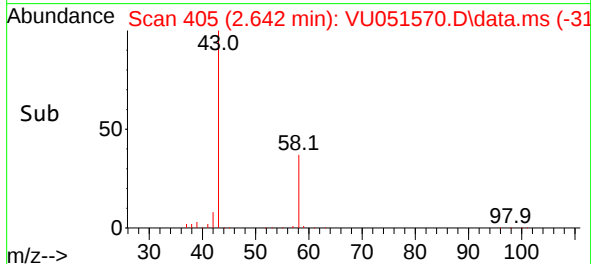
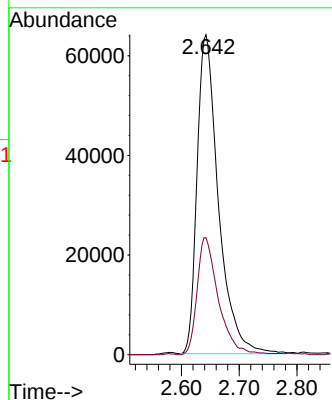
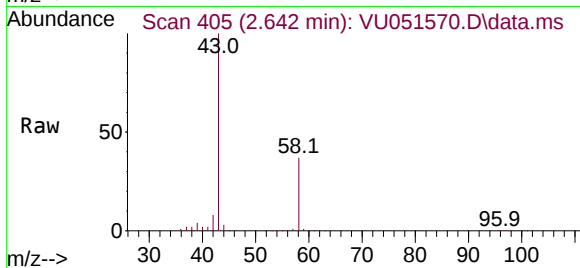
ClientSampleId :

Tgt Ion: 43 Resp: 164566

Ion Ratio Lower Upper

43 100

58 36.5 0.0 73.8



#14

Carbon disulfide

Concen: 4.985 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU051570.D

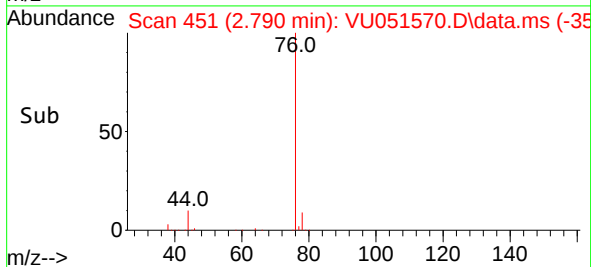
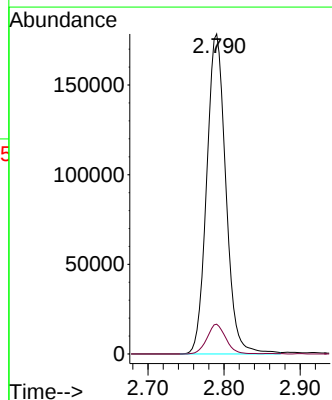
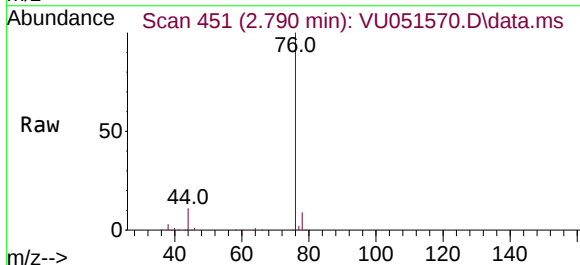
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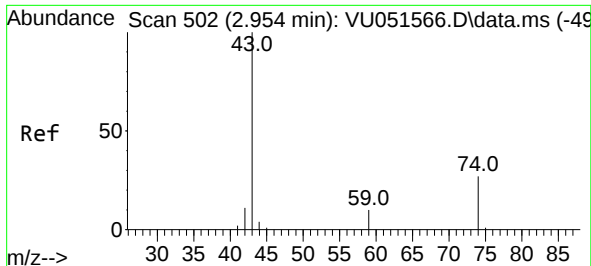
Tgt Ion: 76 Resp: 312580

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

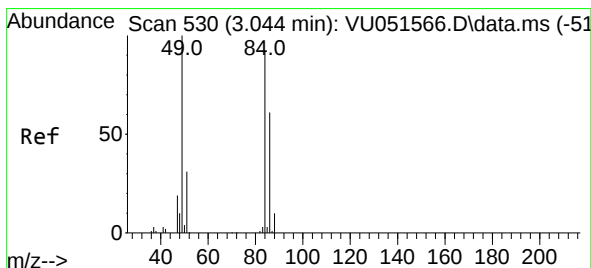
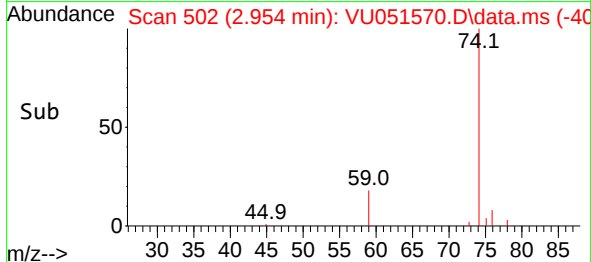
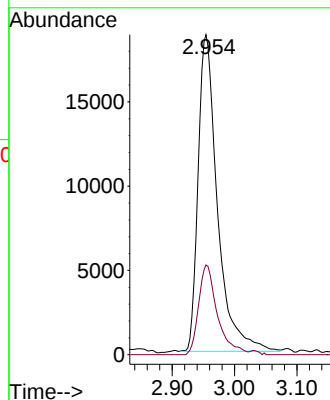
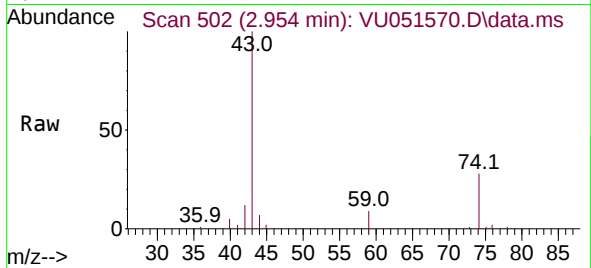




#15
Methyl Acetate
Concen: 5.003 ug/L
RT: 2.954 min Scan# 502
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

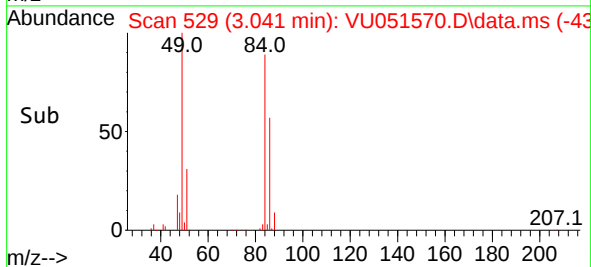
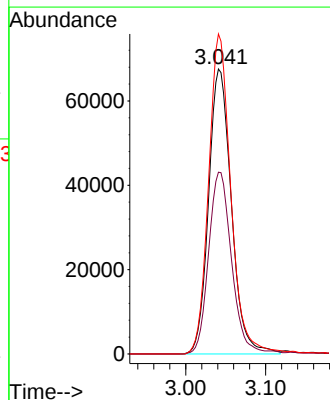
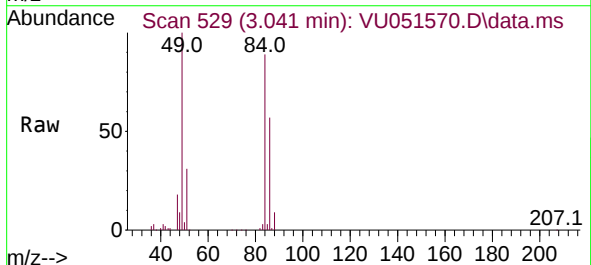
Instrument :
MSVOA_U
ClientSampleId :

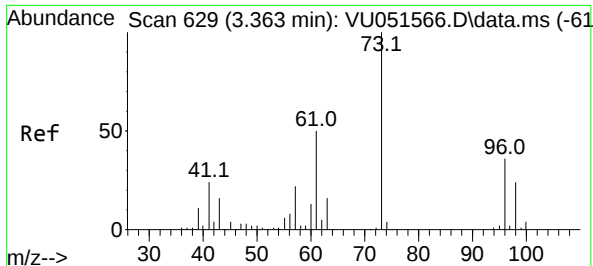
Tgt Ion: 43 Resp: 40561
Ion Ratio Lower Upper
43 100
74 27.4 20.2 30.4



#16
Methylene chloride
Concen: 4.206 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

Tgt Ion: 84 Resp: 134018
Ion Ratio Lower Upper
84 100
86 63.8 46.3 85.9
49 112.3 76.0 141.2





#17

Methyl tert-butyl Ether

Concen: 5.244 ug/L

RT: 3.362 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU051570.D

Acq: 28 Oct 2022 15:42

Instrument :

MSVOA_U

ClientSampleId :

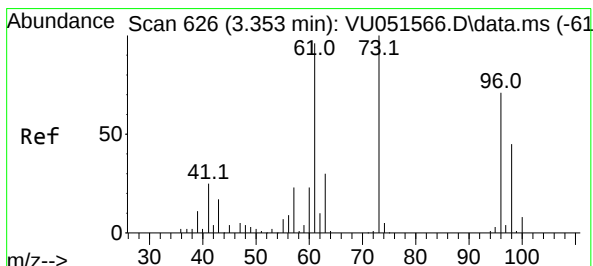
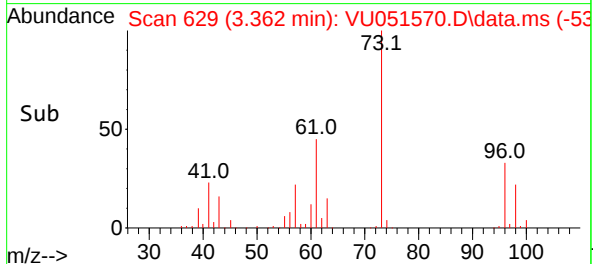
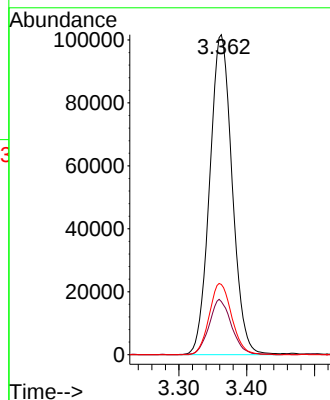
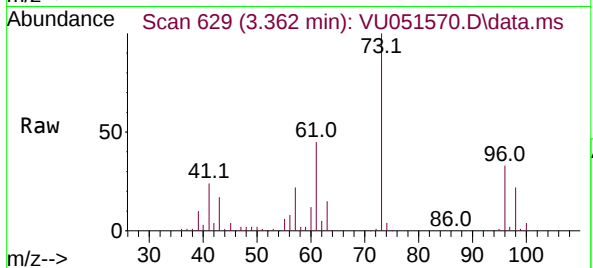
Tgt Ion: 73 Resp: 233890

Ion Ratio Lower Upper

73 100

43 17.2 13.6 20.4

57 22.3 17.5 26.3



#18

trans-1,2-Dichloroethene

Concen: 5.086 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.003 min

Lab File: VU051570.D

Acq: 28 Oct 2022 15:42

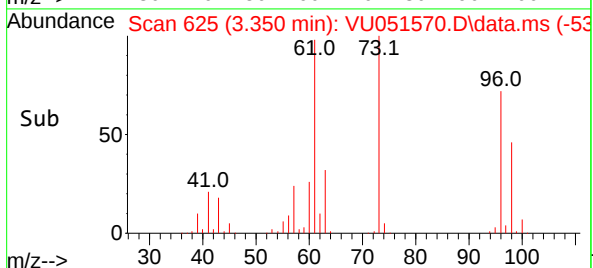
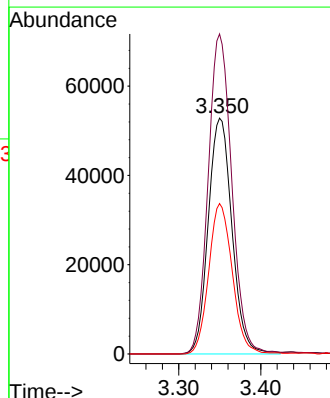
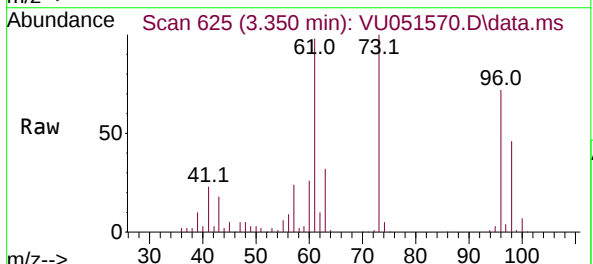
Tgt Ion: 96 Resp: 106175

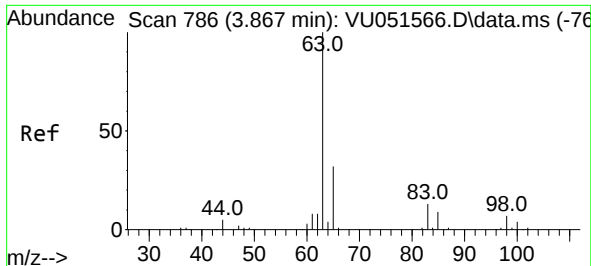
Ion Ratio Lower Upper

96 100

61 135.7 94.7 175.9

98 63.8 44.2 82.0

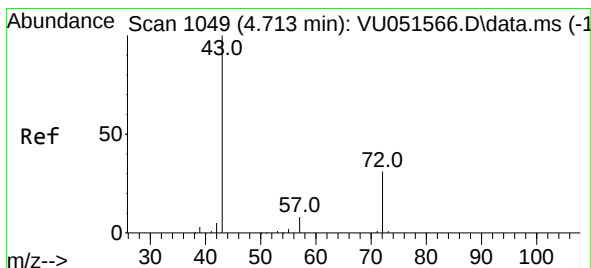
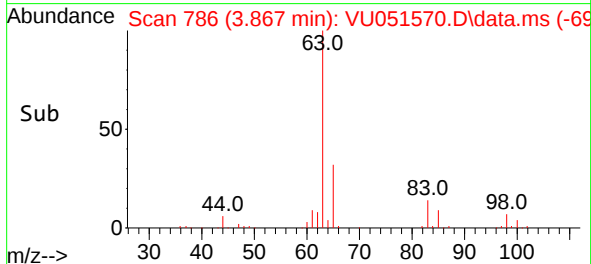
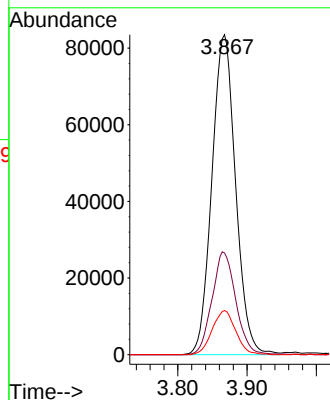
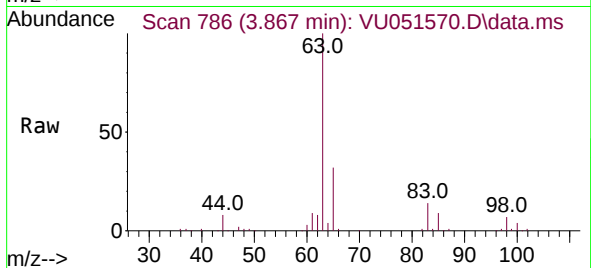




#19
1,1-Dichloroethane
Concen: 5.154 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

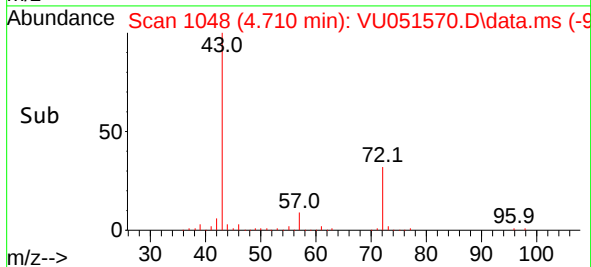
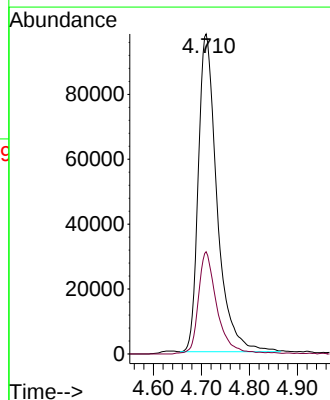
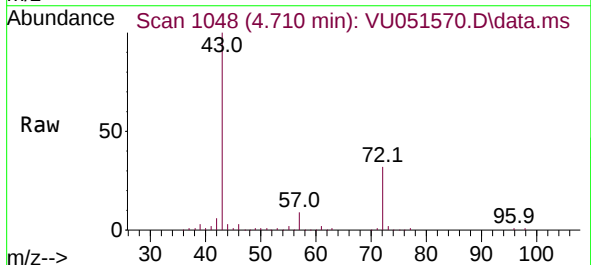
Instrument :
MSVOA_U
ClientSampleId :

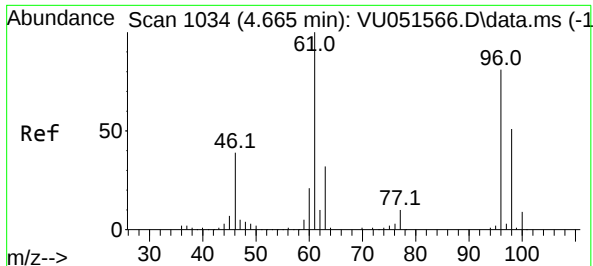
Tgt Ion: 63 Resp: 198465
Ion Ratio Lower Upper
63 100
65 31.8 22.7 42.1
83 13.8 9.2 17.0



#21
2-Butanone
Concen: 54.832 ug/L
RT: 4.710 min Scan# 1048
Delta R.T. -0.003 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

Tgt Ion: 43 Resp: 265892
Ion Ratio Lower Upper
43 100
72 31.6 16.2 48.5

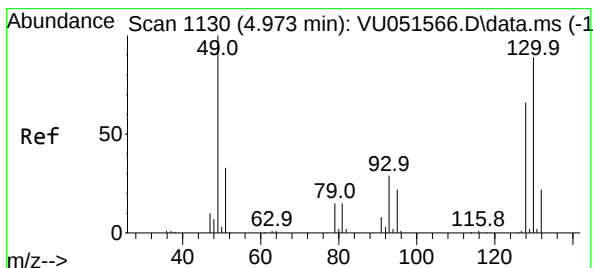
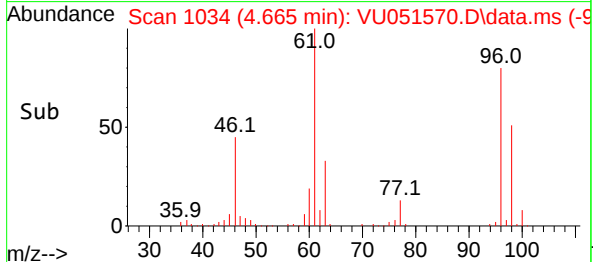
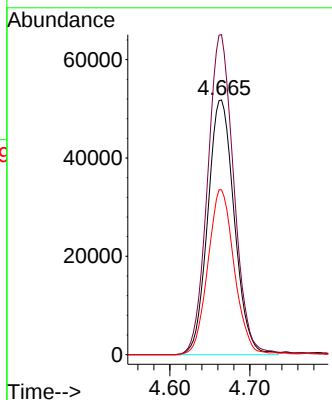
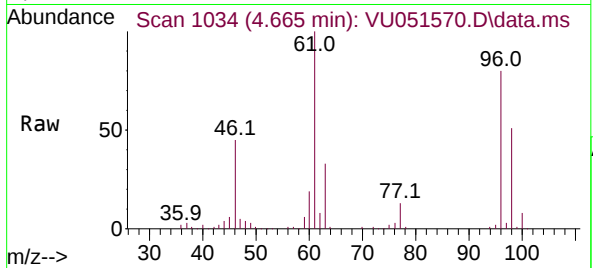




#22
 cis-1,2-Dichloroethene
 Concen: 5.166 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.000 min
 Lab File: VU051570.D
 Acq: 28 Oct 2022 15:42

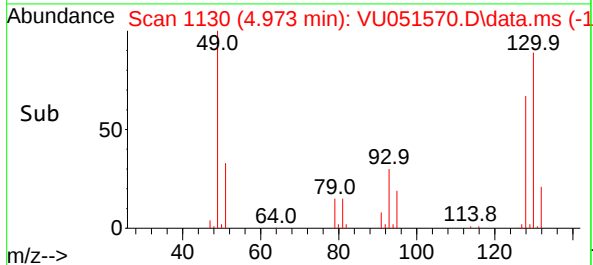
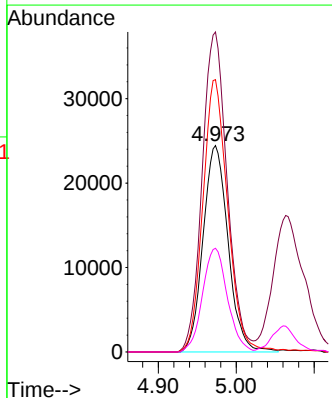
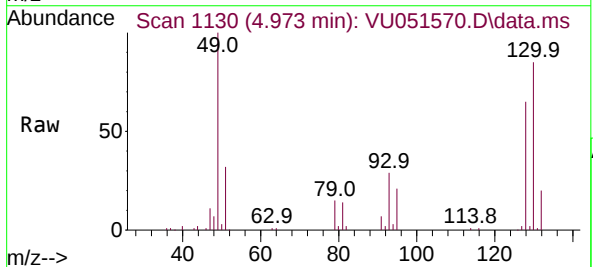
Instrument :
 MSVOA_U
 ClientSampleId :

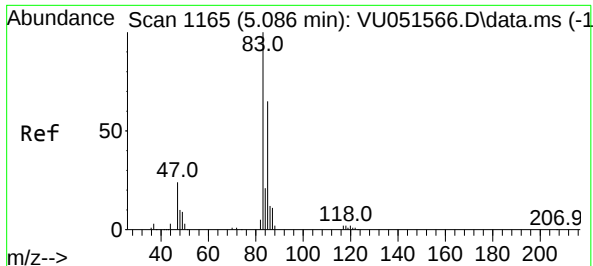
Tgt Ion: 96 Resp: 119318
 Ion Ratio Lower Upper
 96 100
 61 125.6 86.4 160.4
 98 64.7 44.2 82.2



#23
 Bromochloromethane
 Concen: 5.055 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VU051570.D
 Acq: 28 Oct 2022 15:42

Tgt Ion:128 Resp: 54595
 Ion Ratio Lower Upper
 128 100
 49 155.0 105.5 195.9
 130 131.9 93.5 173.7
 51 50.3 40.1 60.1





#25

Chloroform

Concen: 5.141 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051570.D

Acq: 28 Oct 2022 15:42

Instrument :

MSVOA_U

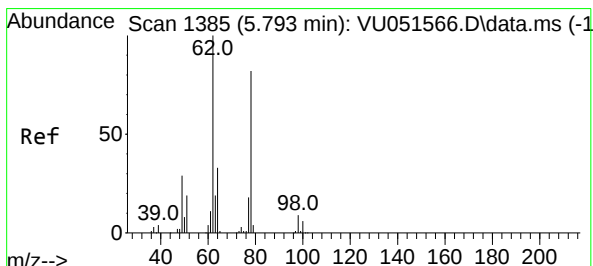
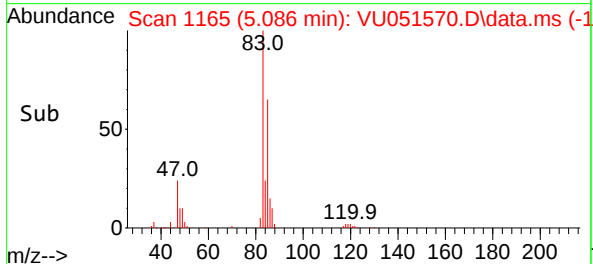
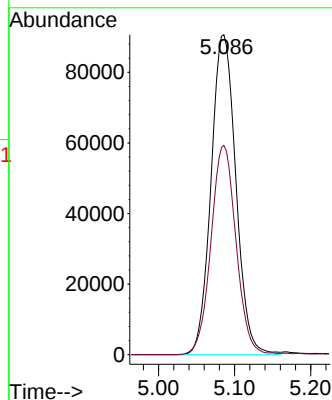
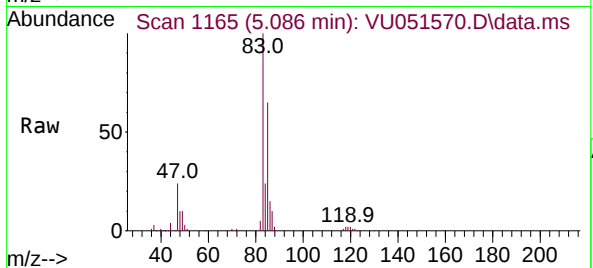
ClientSampleId :

Tgt Ion: 83 Resp: 205342

Ion Ratio Lower Upper

83 100

85 65.4 45.2 84.0



#27

1,2-Dichloroethane

Concen: 5.035 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU051570.D

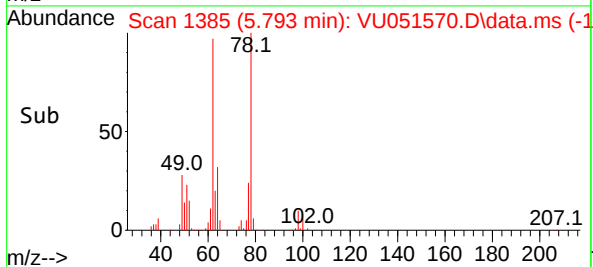
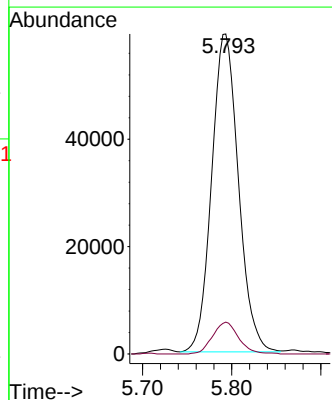
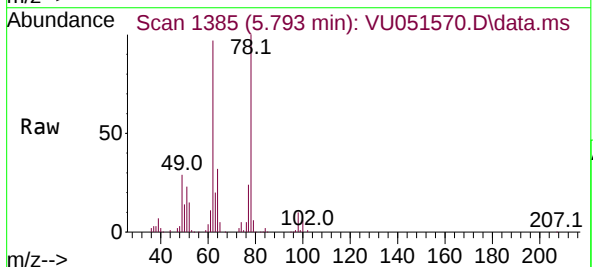
Acq: 28 Oct 2022 15:42

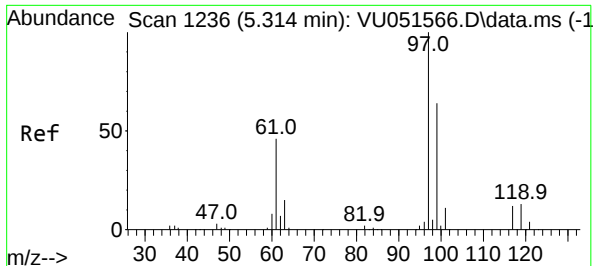
Tgt Ion: 62 Resp: 123776

Ion Ratio Lower Upper

62 100

98 10.0 7.4 11.0

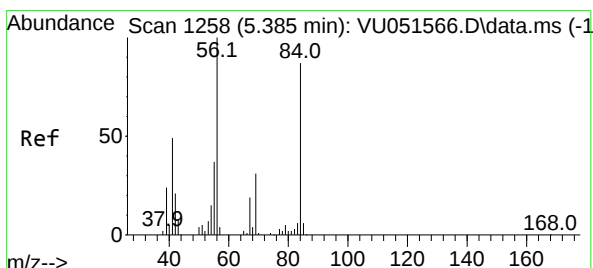
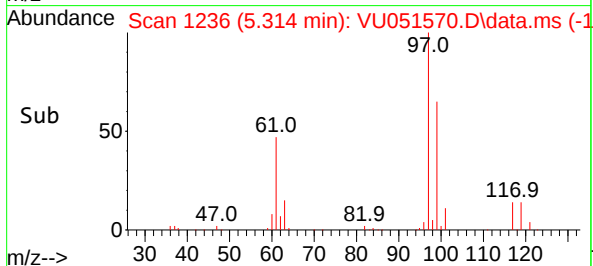
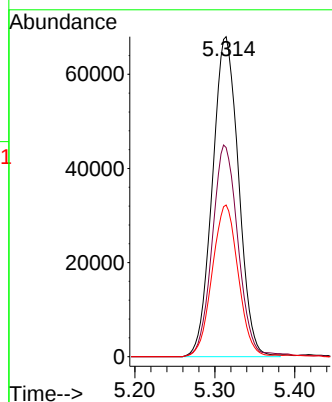
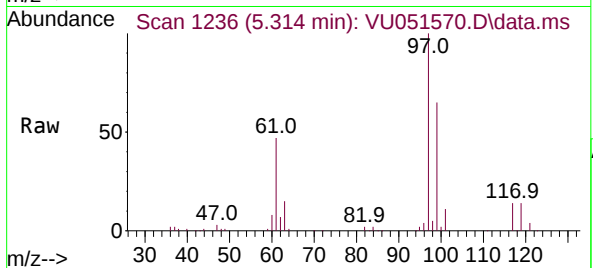




#29
1,1,1-Trichloroethane
Concen: 5.048 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

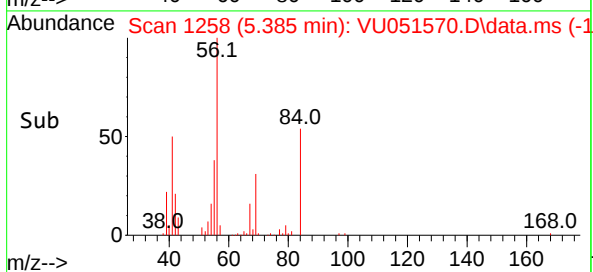
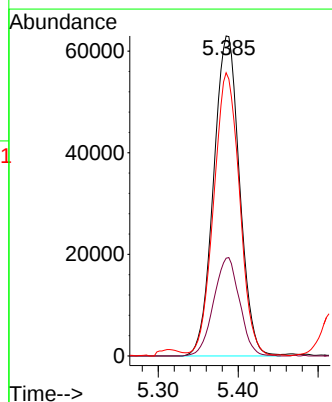
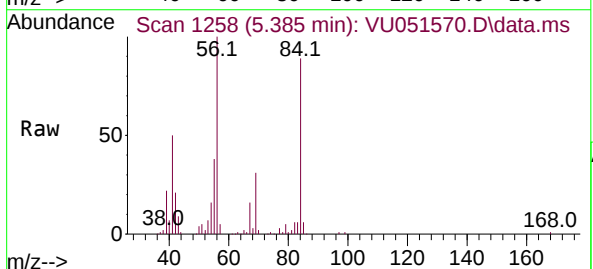
Instrument :
MSVOA_U
ClientSampleId :

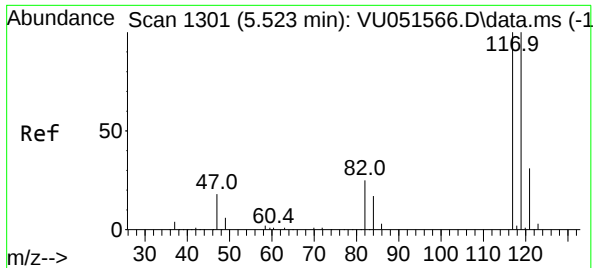
Tgt Ion: 97 Resp: 154667
Ion Ratio Lower Upper
97 100
99 65.6 51.1 76.7
61 47.1 37.4 56.0



#30
Cyclohexane
Concen: 5.031 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

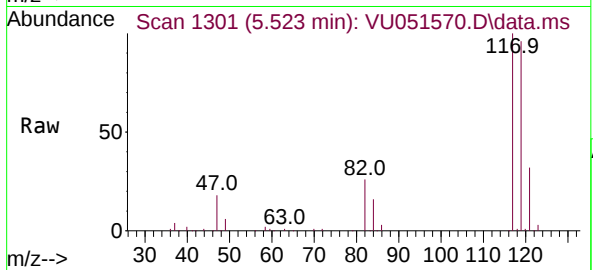
Tgt Ion: 56 Resp: 141944
Ion Ratio Lower Upper
56 100
69 30.7 25.4 38.0
84 87.7 71.4 107.0



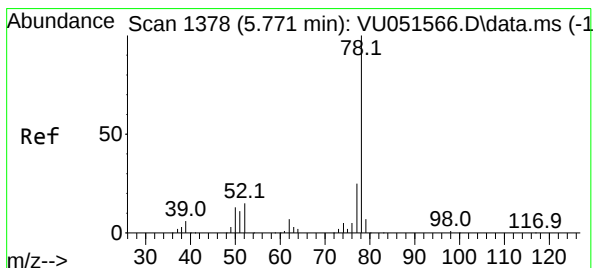
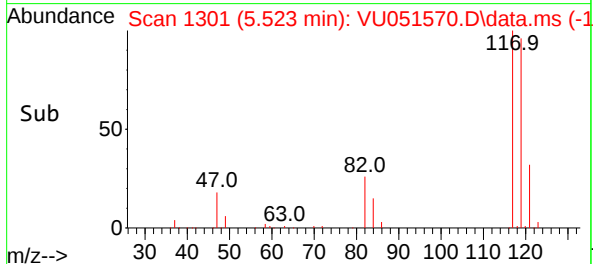
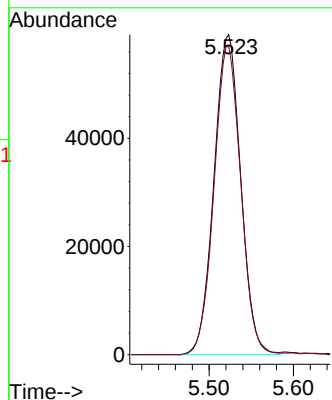


#31
Carbon tetrachloride
Concen: 4.975 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

Instrument :
MSVOA_U
ClientSampleId :

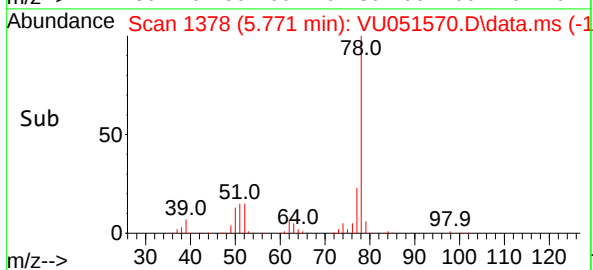
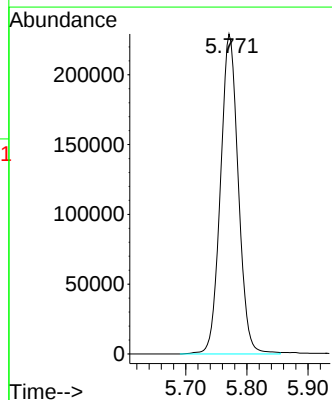
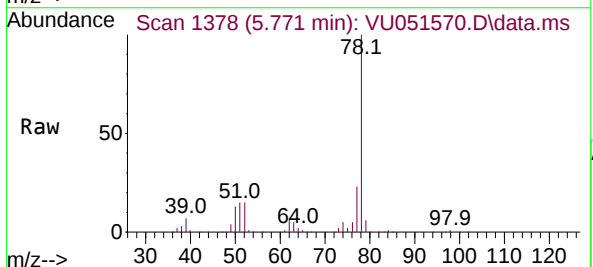


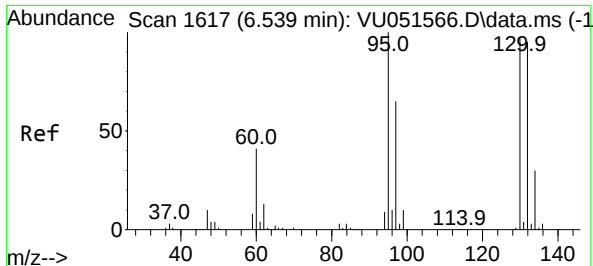
Tgt Ion:117 Resp: 130376
Ion Ratio Lower Upper
117 100
119 96.3 77.5 116.3



#33
Benzene
Concen: 5.222 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

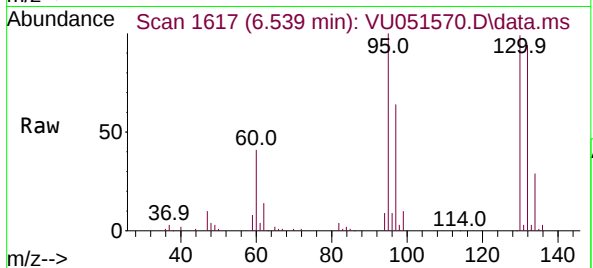
Tgt Ion: 78 Resp: 465060



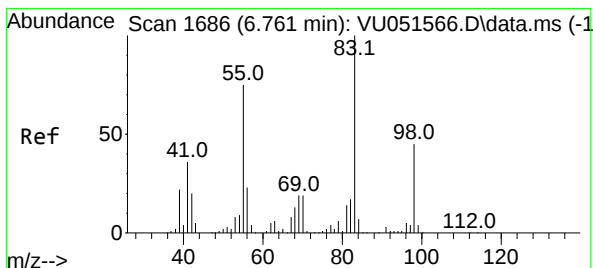
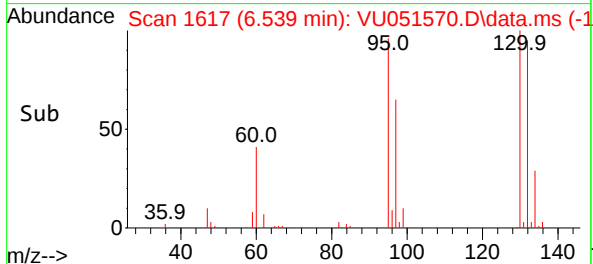
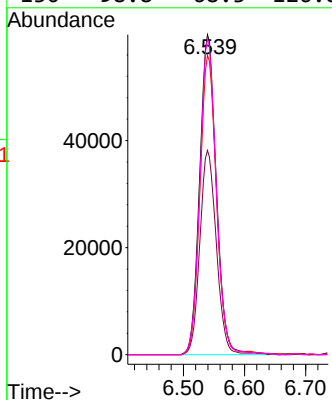


#34
Trichloroethene
Concen: 5.281 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

Instrument :
MSVOA_U
ClientSampleId :

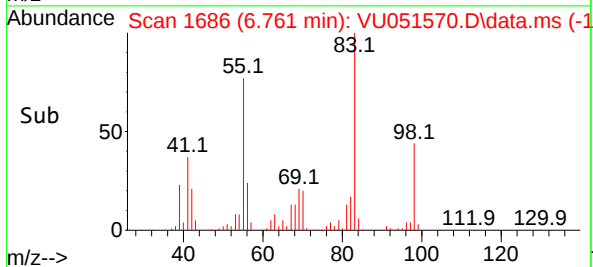
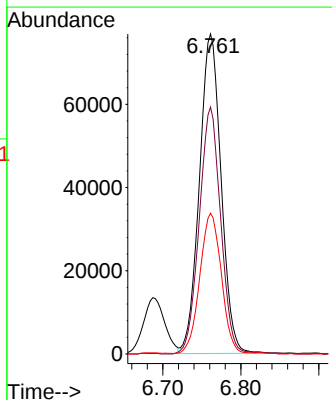
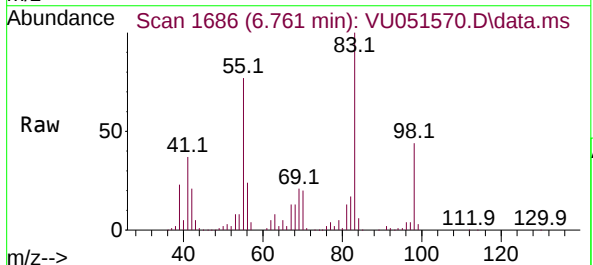


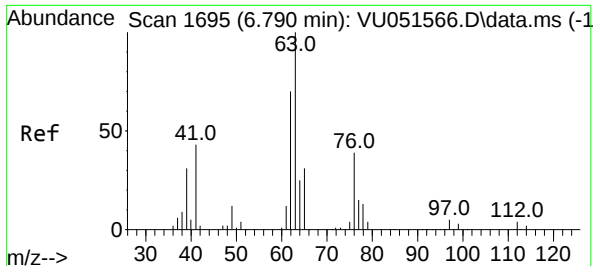
Tgt Ion: 95 Resp: 113514
Ion Ratio Lower Upper
95 100
97 63.8 45.2 84.0
132 93.6 66.5 123.5
130 98.8 68.3 126.8



#35
Methylcyclohexane
Concen: 5.001 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

Tgt Ion: 83 Resp: 148627
Ion Ratio Lower Upper
83 100
55 76.2 60.6 90.8
98 43.4 35.8 53.6





#37

1,2-Dichloropropane

Concen: 5.285 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051570.D

Acq: 28 Oct 2022 15:42

Instrument :

MSVOA_U

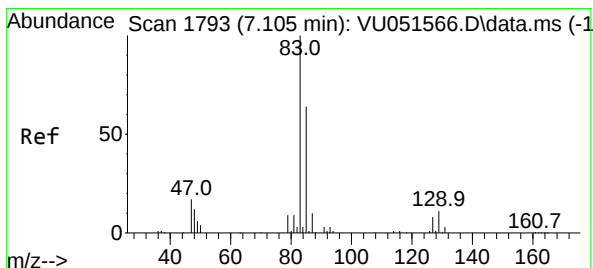
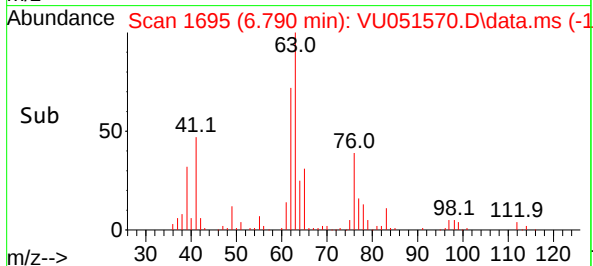
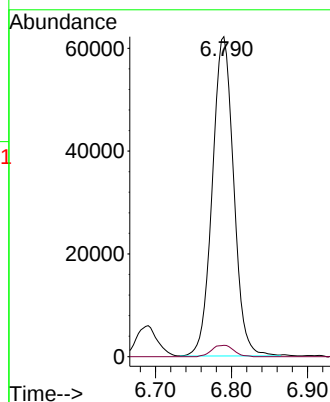
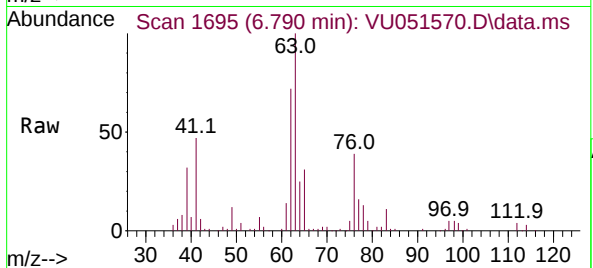
ClientSampleId :

Tgt Ion: 63 Resp: 121064

Ion Ratio Lower Upper

63 100

112 3.7 3.3 4.9



#38

Bromodichloromethane

Concen: 5.280 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.003 min

Lab File: VU051570.D

Acq: 28 Oct 2022 15:42

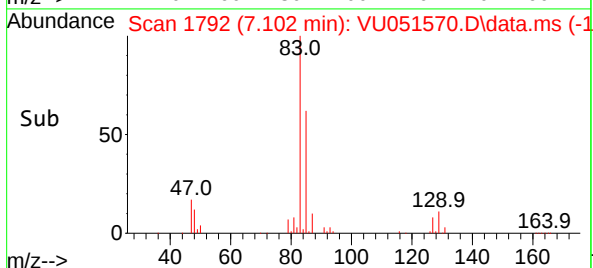
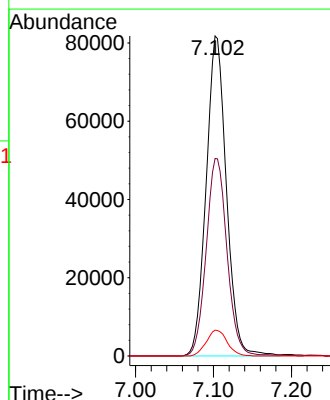
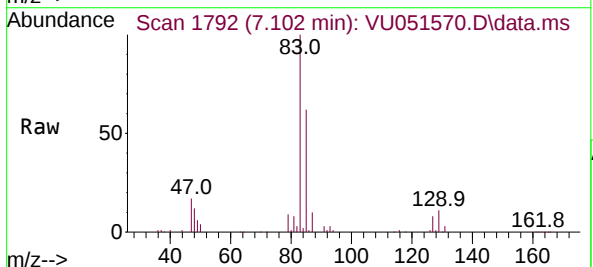
Tgt Ion: 83 Resp: 147727

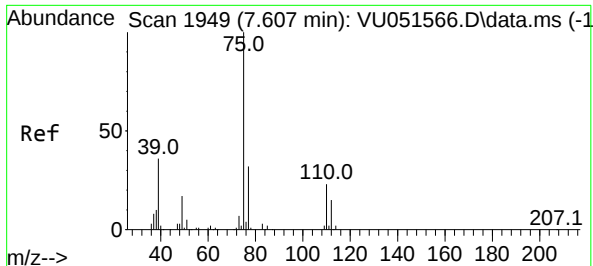
Ion Ratio Lower Upper

83 100

85 61.7 45.1 83.7

127 8.1 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 5.250 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU051570.D

Acq: 28 Oct 2022 15:42

Instrument :

MSVOA_U

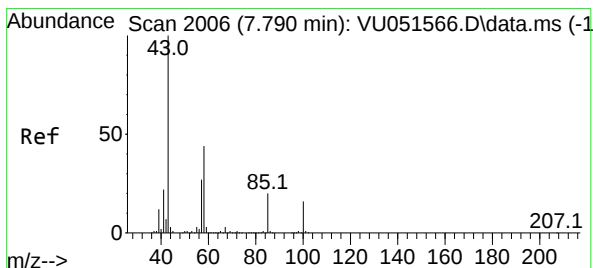
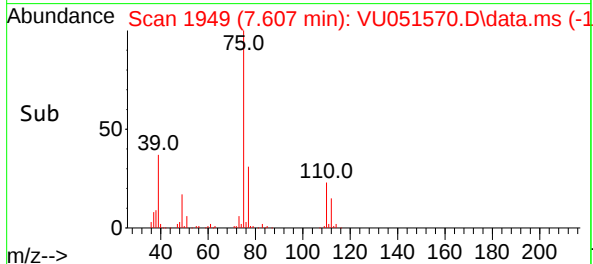
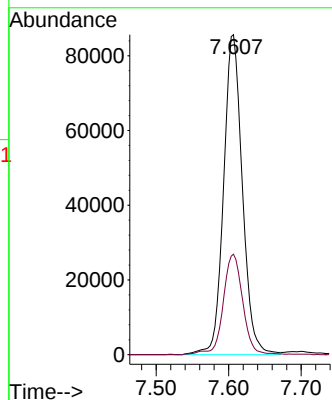
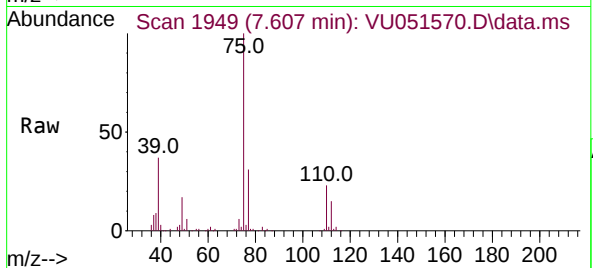
ClientSampleId :

Tgt Ion: 75 Resp: 154283

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 55.695 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU051570.D

Acq: 28 Oct 2022 15:42

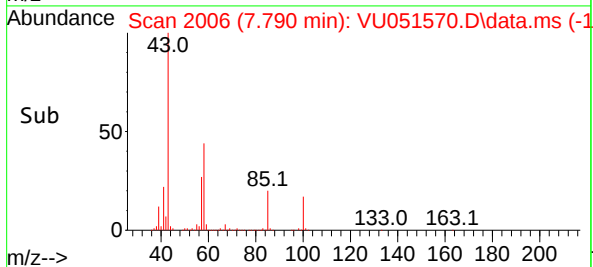
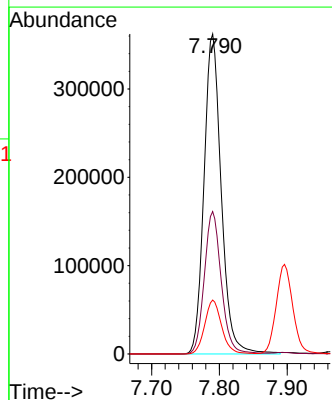
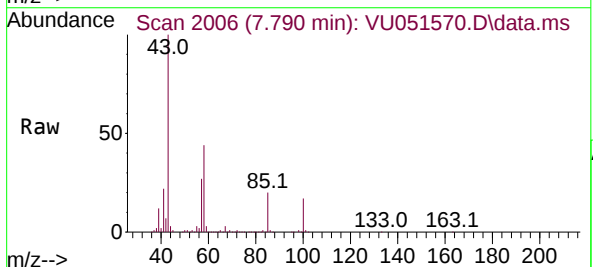
Tgt Ion: 43 Resp: 639908

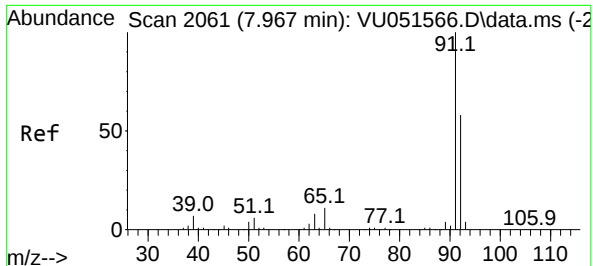
Ion Ratio Lower Upper

43 100

58 43.8 35.0 52.6

100 16.5 13.4 20.0





#42

Toluene

Concen: 5.418 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051570.D

Acq: 28 Oct 2022 15:42

Instrument :

MSVOA_U

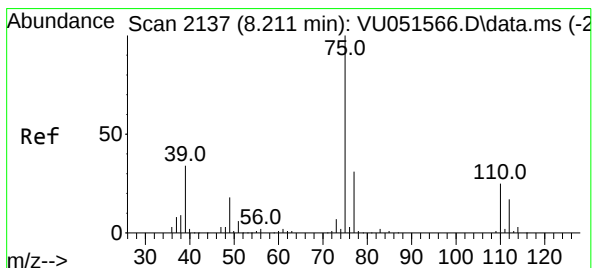
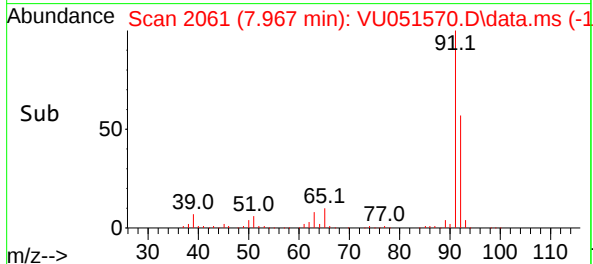
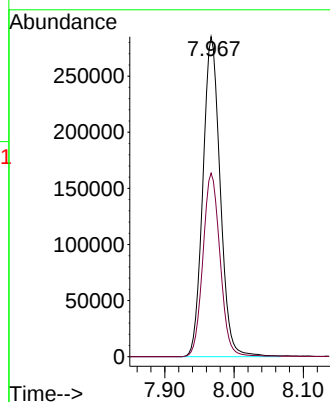
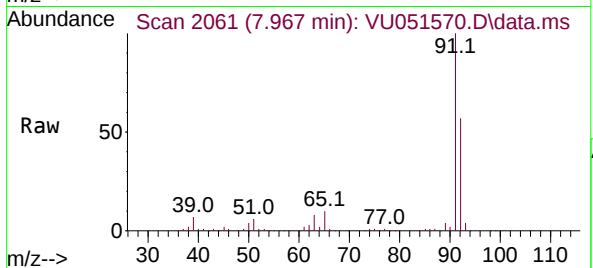
ClientSampleId :

Tgt Ion: 91 Resp: 495560

Ion Ratio Lower Upper

91 100

92 57.4 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 5.424 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU051570.D

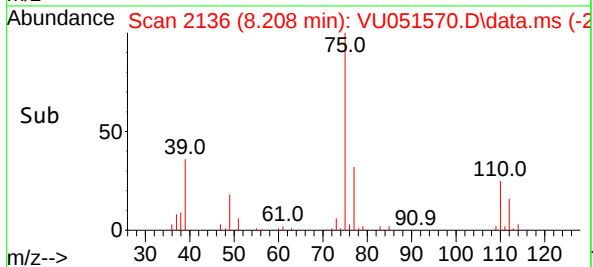
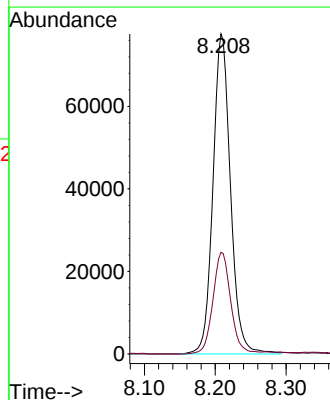
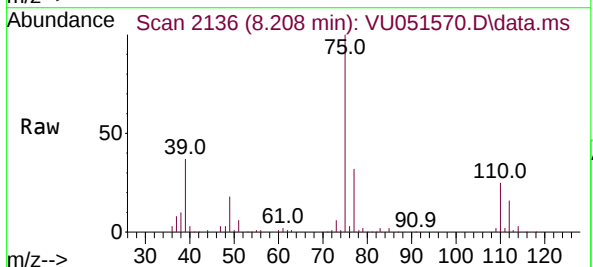
Acq: 28 Oct 2022 15:42

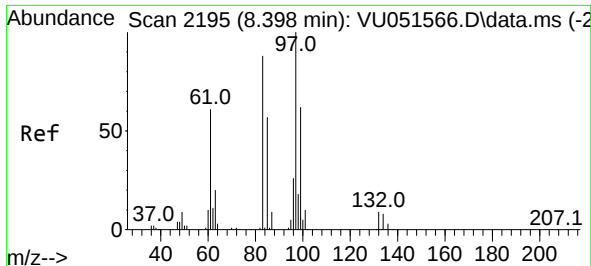
Tgt Ion: 75 Resp: 133221

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 5.289 ug/L

RT: 8.398 min Scan# 2195

Delta R.T. -0.000 min

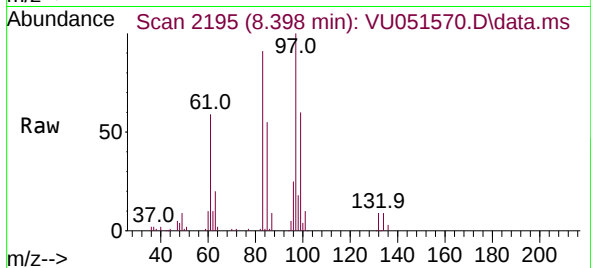
Lab File: VU051570.D

Acq: 28 Oct 2022 15:42

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 97 Resp: 88778

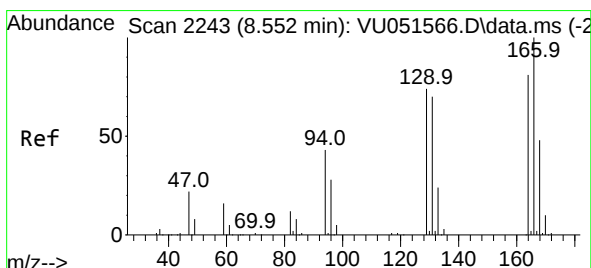
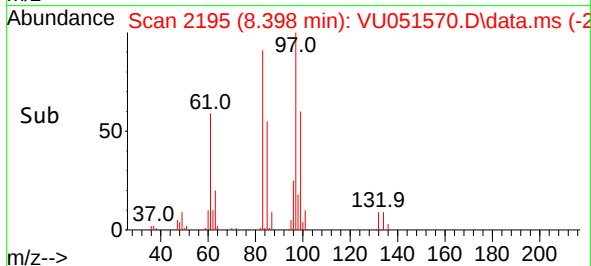
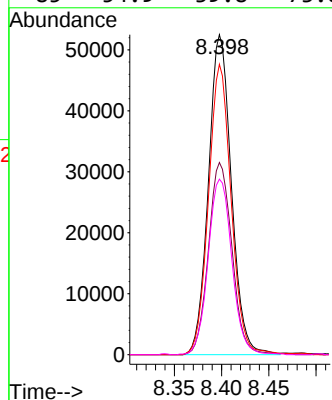
Ion Ratio Lower Upper

97 100

99 60.0 43.4 80.6

83 90.7 61.3 113.9

85 54.9 39.8 73.8



#47

Tetrachloroethene

Concen: 5.043 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU051570.D

Acq: 28 Oct 2022 15:42

Tgt Ion: 164 Resp: 83017

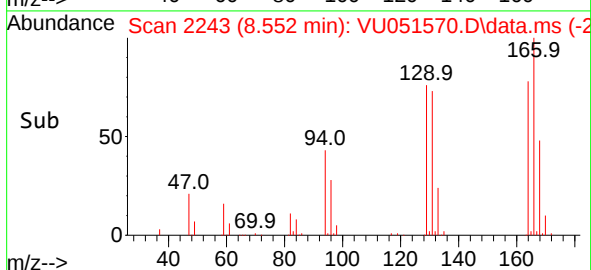
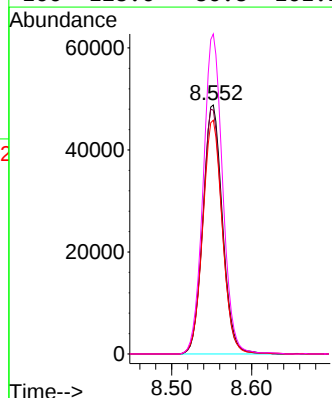
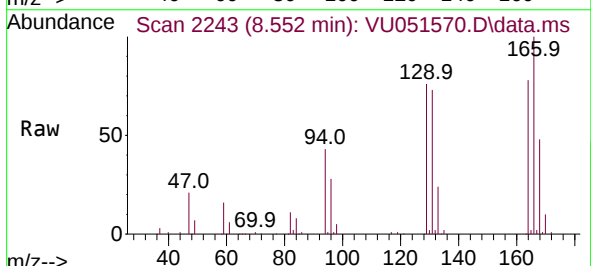
Ion Ratio Lower Upper

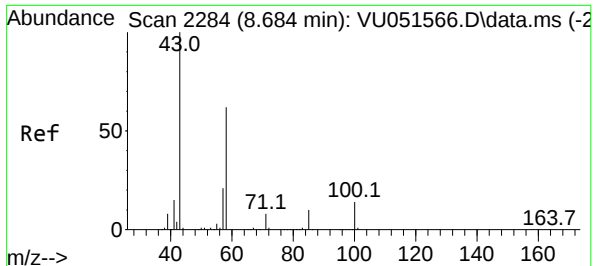
164 100

129 98.0 64.0 118.8

131 93.9 60.7 112.7

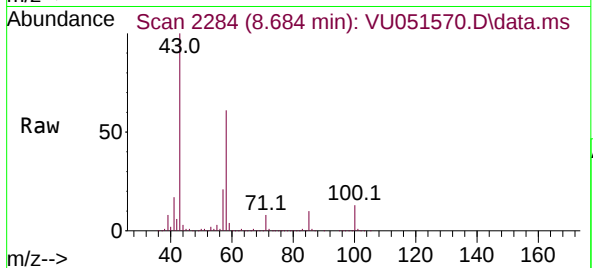
166 128.6 86.8 161.2



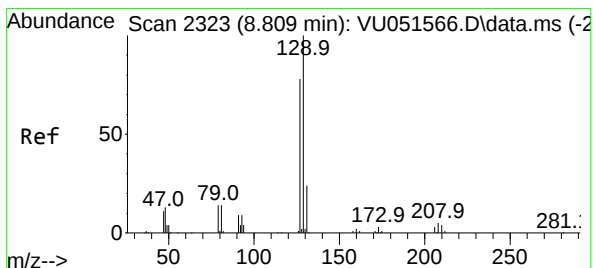
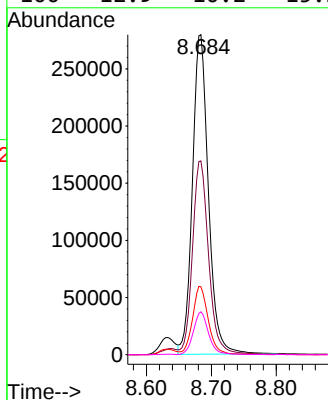
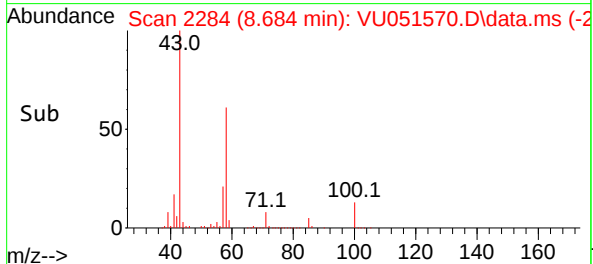


#48
2-Hexanone
Concen: 56.367 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

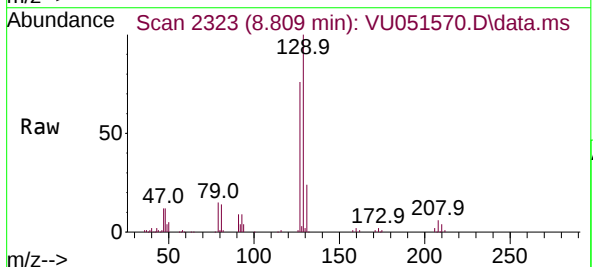
Instrument :
MSVOA_U
ClientSampleId :



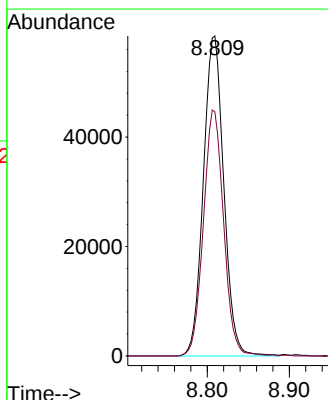
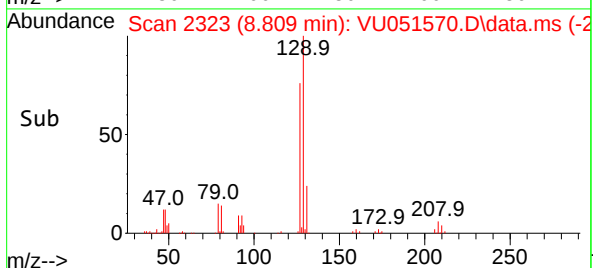
Tgt Ion: 43 Resp: 479379
Ion Ratio Lower Upper
43 100
58 61.0 48.2 72.2
57 20.6 16.6 25.0
100 12.9 10.2 15.2

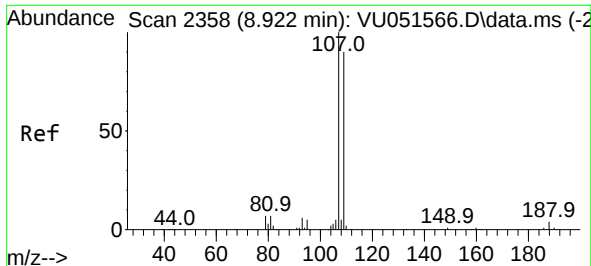


#49
Dibromochloromethane
Concen: 5.278 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42



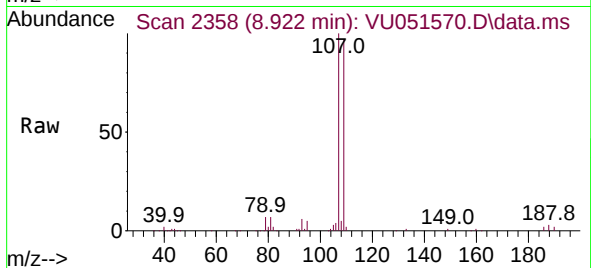
Tgt Ion: 129 Resp: 101207
Ion Ratio Lower Upper
129 100
127 76.3 54.8 101.8



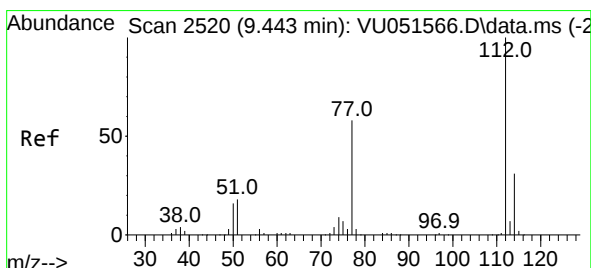
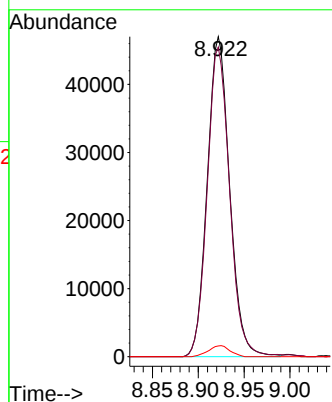
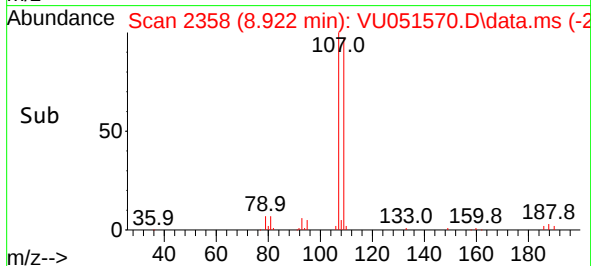


#50
1,2-Dibromoethane
Concen: 5.279 ug/L
RT: 8.922 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

Instrument :
MSVOA_U
ClientSampleId :

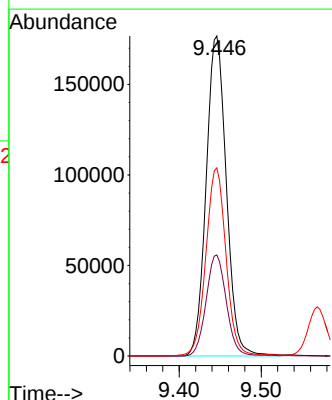
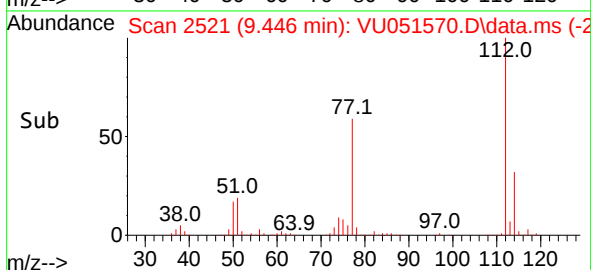
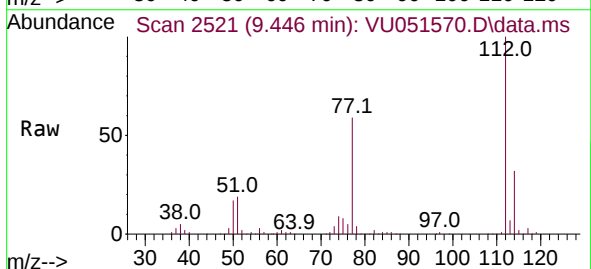


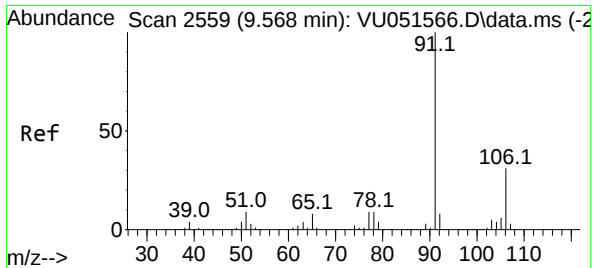
Tgt Ion:107 Resp: 79942
Ion Ratio Lower Upper
107 100
109 96.8 63.0 117.0
188 3.4 3.0 4.4



#51
Chlorobenzene
Concen: 5.244 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

Tgt Ion:112 Resp: 301882
Ion Ratio Lower Upper
112 100
114 31.6 22.0 40.8
77 58.8 46.7 70.1

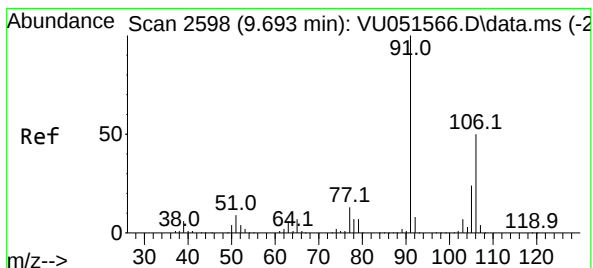
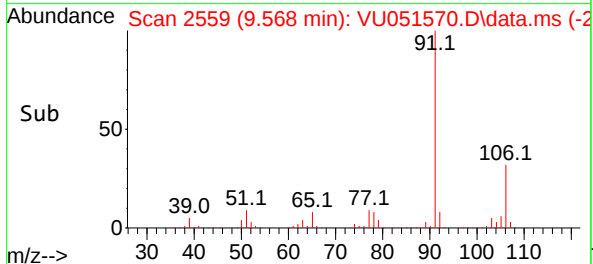
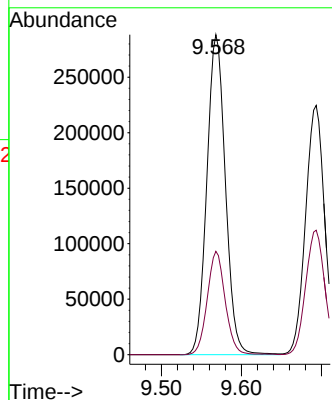
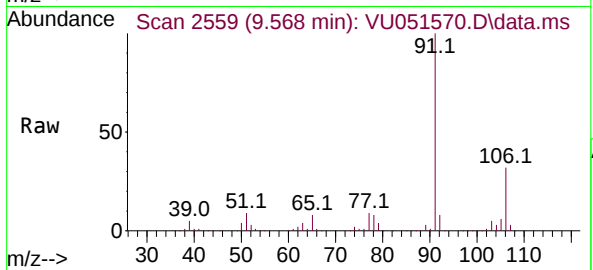




#52
Ethylbenzene
Concen: 5.267 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

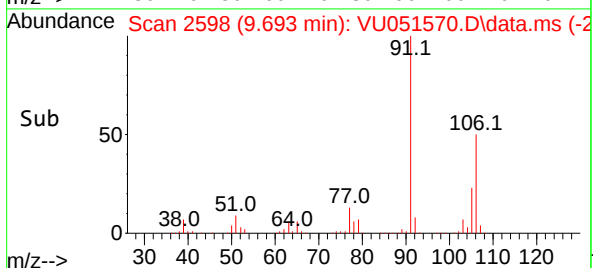
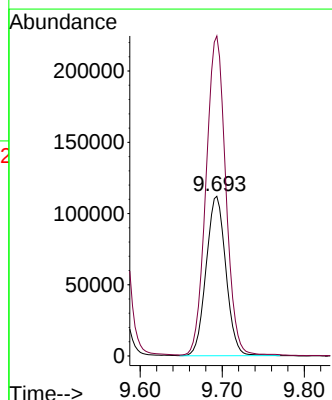
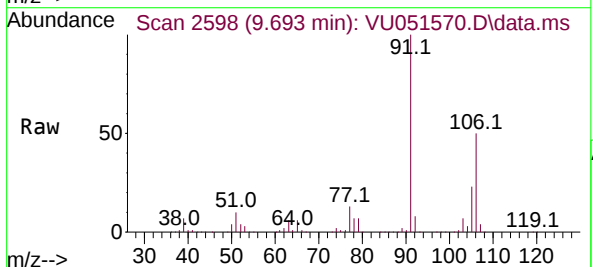
Instrument :
MSVOA_U
ClientSampleId :

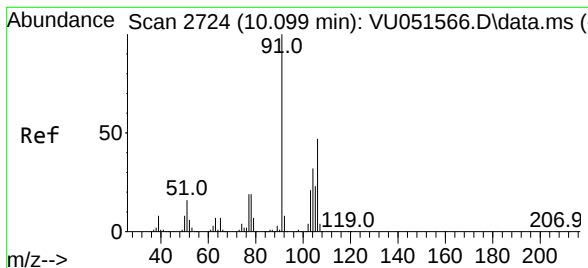
Tgt Ion: 91 Resp: 464787
Ion Ratio Lower Upper
91 100
106 32.3 21.8 40.6



#53
m,p-Xylene
Concen: 5.455 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

Tgt Ion: 106 Resp: 186985
Ion Ratio Lower Upper
106 100
91 200.3 139.4 259.0

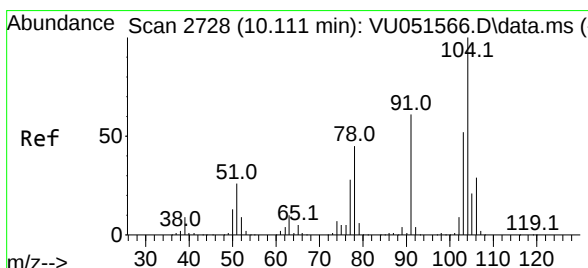
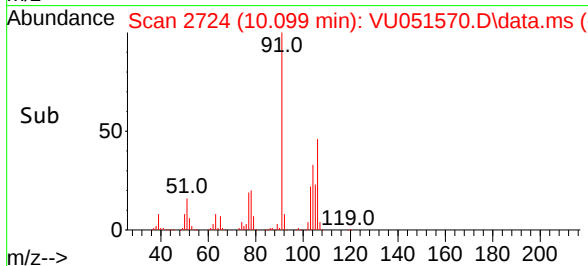
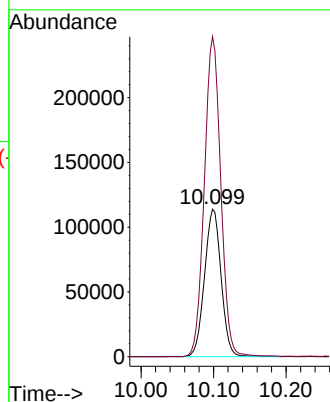
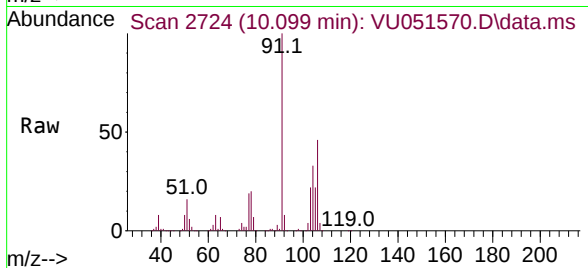




#54
o-Xylene
Concen: 5.407 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

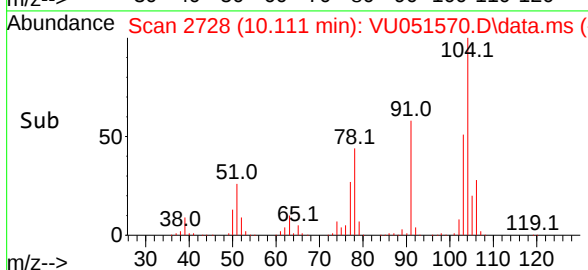
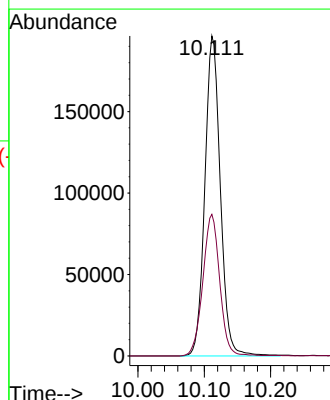
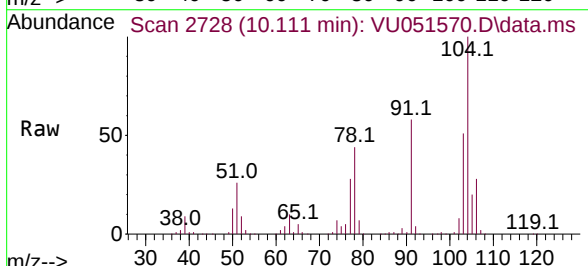
Instrument :
MSVOA_U
ClientSampleId :

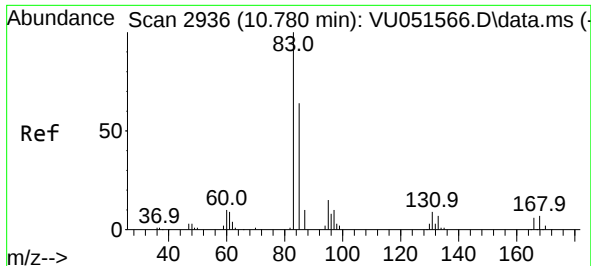
Tgt Ion:106 Resp: 181142
Ion Ratio Lower Upper
106 100
91 216.9 149.2 277.2



#55
Styrene
Concen: 5.703 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

Tgt Ion:104 Resp: 319413
Ion Ratio Lower Upper
104 100
78 44.3 31.8 59.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.256 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU051570.D

Acq: 28 Oct 2022 15:42

Instrument :

MSVOA_U

ClientSampleId :

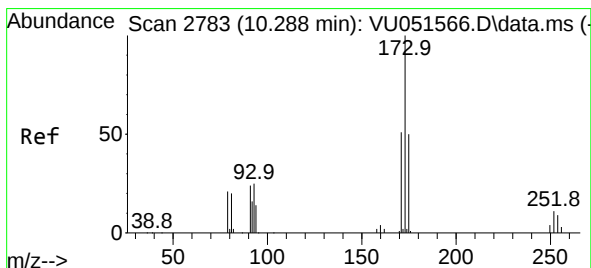
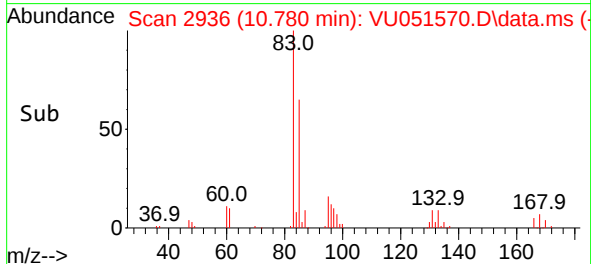
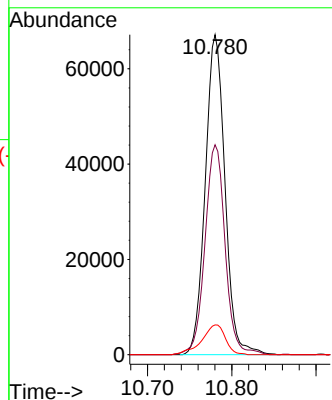
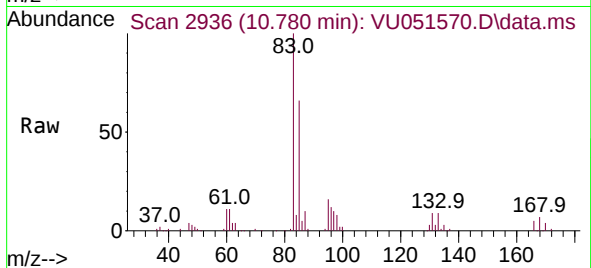
Tgt Ion: 83 Resp: 109403

Ion Ratio Lower Upper

83 100

85 65.6 44.9 83.5

131 9.3 7.8 11.8



#59

Bromoform

Concen: 5.054 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU051570.D

Acq: 28 Oct 2022 15:42

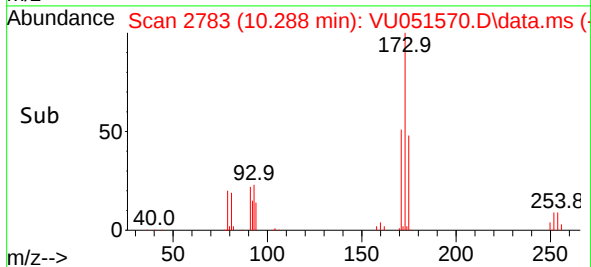
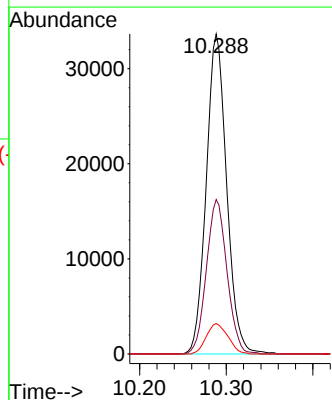
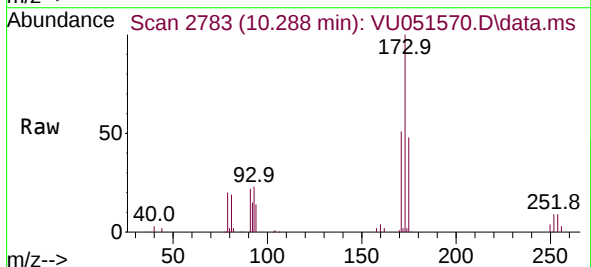
Tgt Ion:173 Resp: 55059

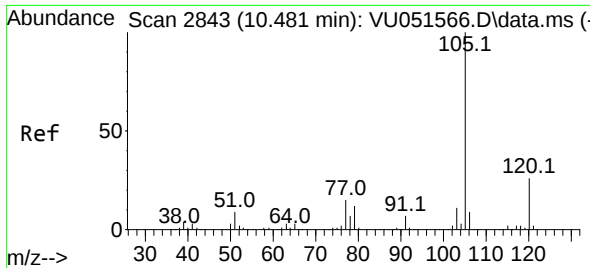
Ion Ratio Lower Upper

173 100

175 48.6 38.7 58.1

254 10.0 7.3 10.9

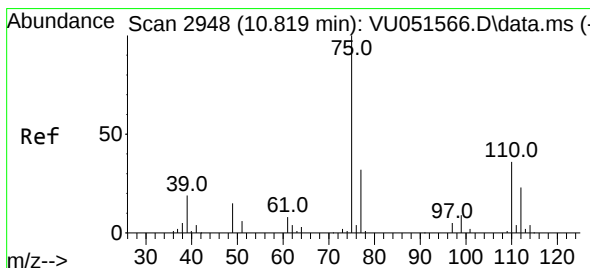
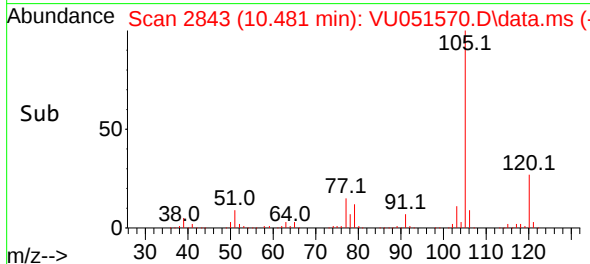
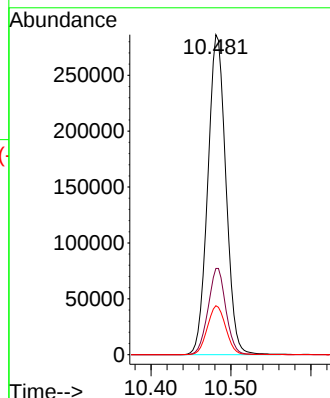
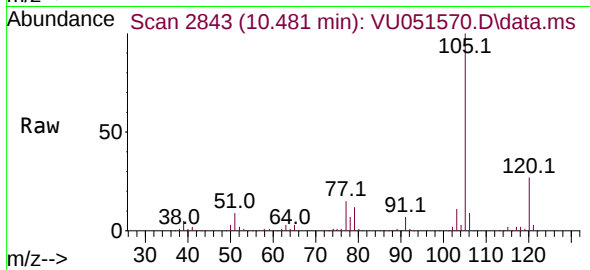




#60
Isopropylbenzene
Concen: 5.231 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

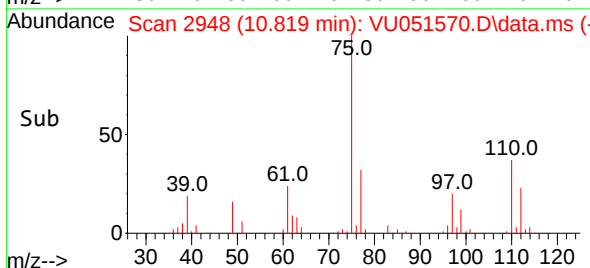
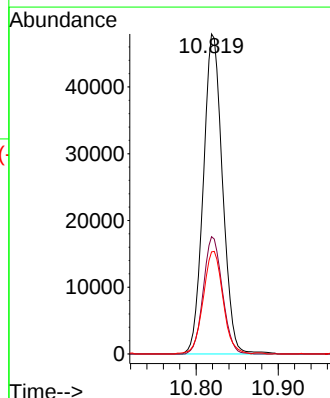
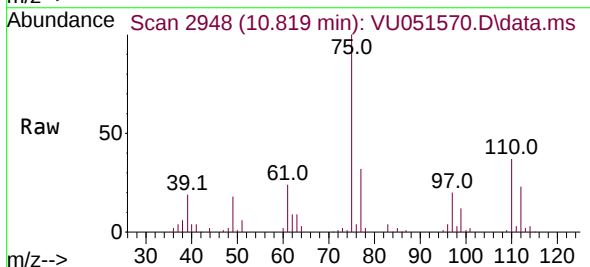
Instrument :
MSVOA_U
ClientSampleId :

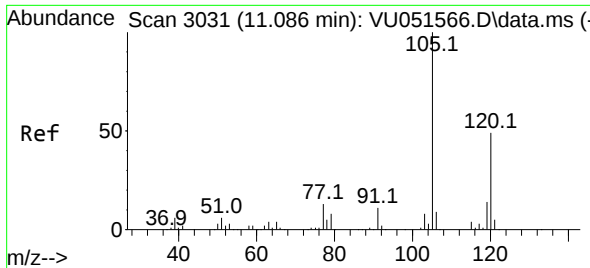
Tgt Ion:105 Resp: 450261
Ion Ratio Lower Upper
105 100
120 26.6 20.9 31.3
77 15.5 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 5.097 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

Tgt Ion: 75 Resp: 77714
Ion Ratio Lower Upper
75 100
110 36.2 28.7 43.1
77 33.1 26.1 39.1

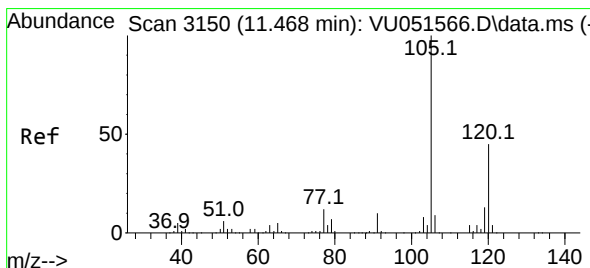
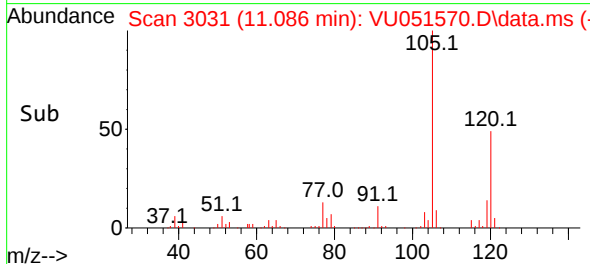
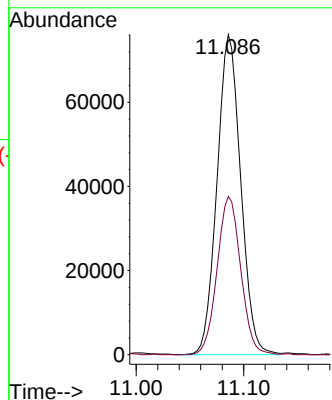
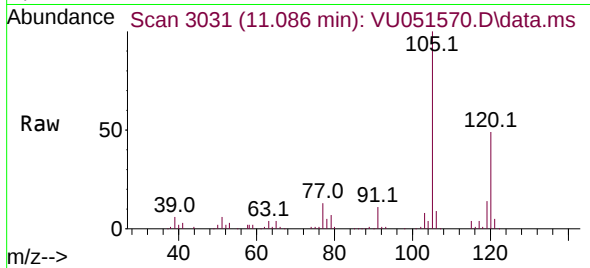




#62
 1,3,5-Trimethylbenzene
 Concen: 5.027 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.000 min
 Lab File: VU051570.D
 Acq: 28 Oct 2022 15:42

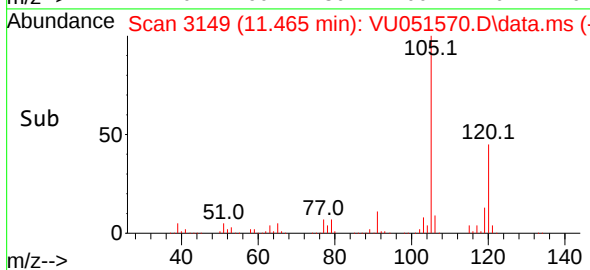
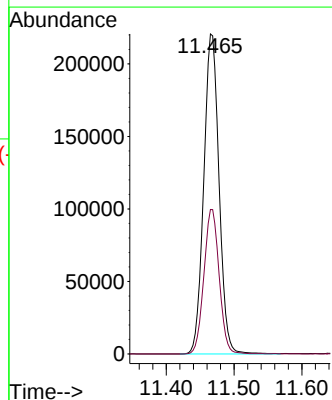
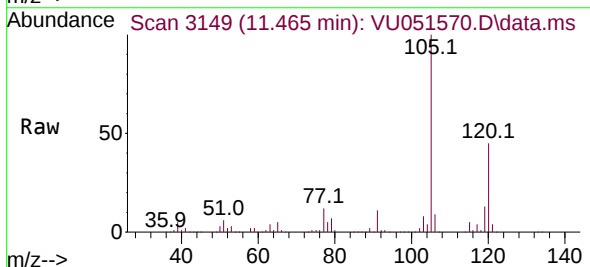
Instrument :
 MSVOA_U
 ClientSampleId :

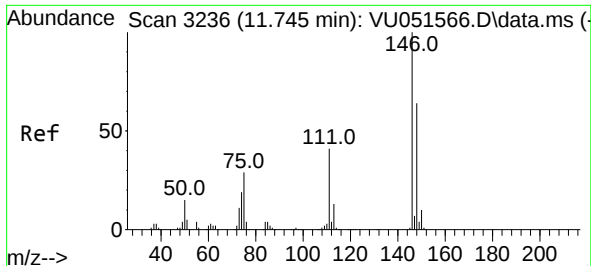
Tgt Ion:105 Resp: 116488
 Ion Ratio Lower Upper
 105 100
 120 49.2 38.6 57.8



#63
 1,2,4-Trimethylbenzene
 Concen: 5.175 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.003 min
 Lab File: VU051570.D
 Acq: 28 Oct 2022 15:42

Tgt Ion:105 Resp: 345757
 Ion Ratio Lower Upper
 105 100
 120 45.0 35.8 53.6

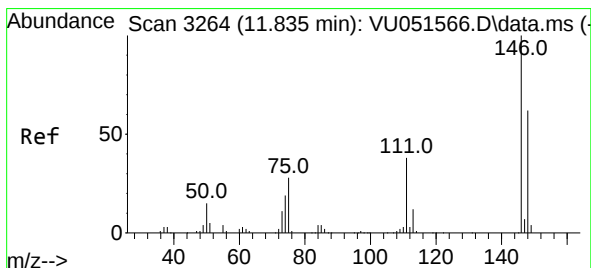
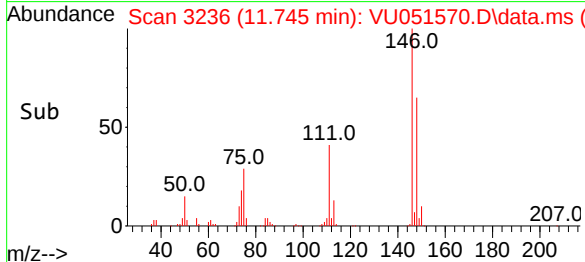
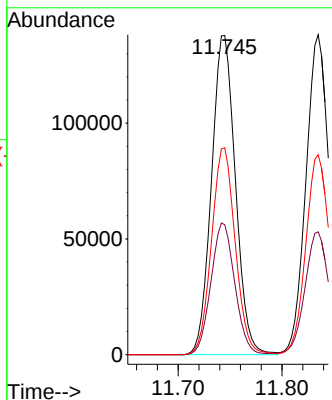
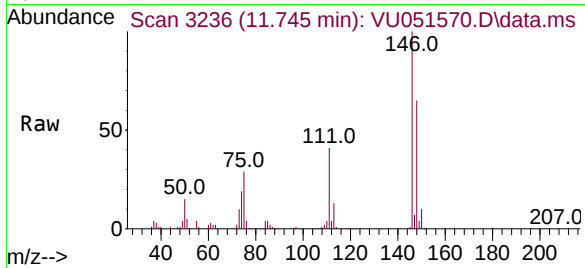




#64
1,3-Dichlorobenzene
Concen: 5.156 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

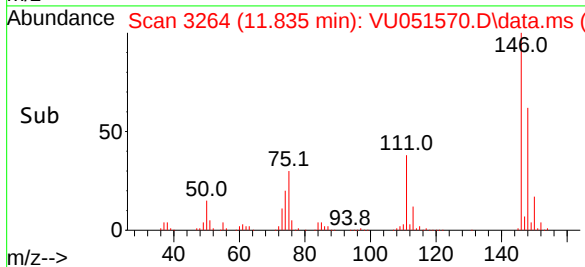
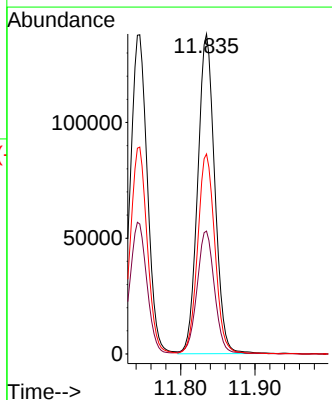
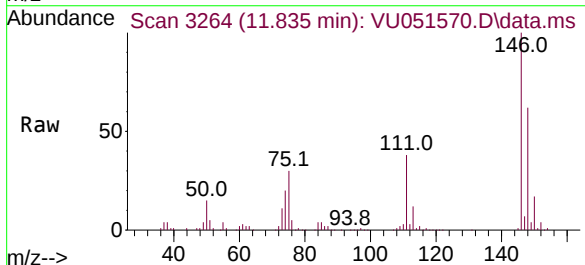
Instrument :
MSVOA_U
ClientSampleId :

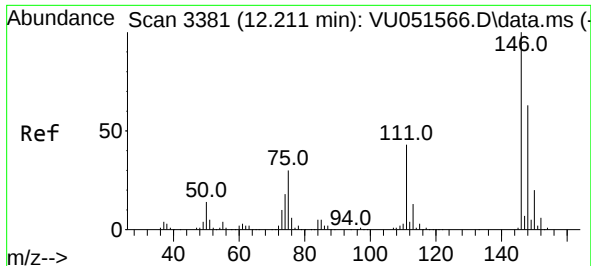
Tgt Ion:146 Resp: 220950
Ion Ratio Lower Upper
146 100
111 40.7 28.6 53.2
148 64.8 44.7 82.9



#65
1,4-Dichlorobenzene
Concen: 5.128 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051570.D
Acq: 28 Oct 2022 15:42

Tgt Ion:146 Resp: 220337
Ion Ratio Lower Upper
146 100
111 38.4 26.7 49.5
148 62.5 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 5.054 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU051570.D

Acq: 28 Oct 2022 15:42

Instrument :

MSVOA_U

ClientSampleId :

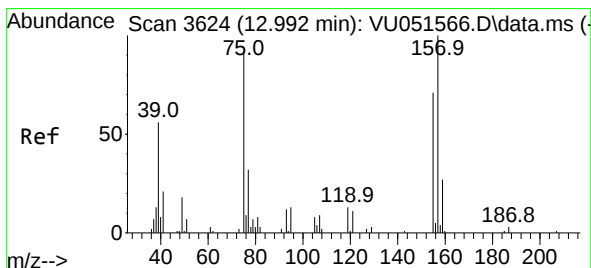
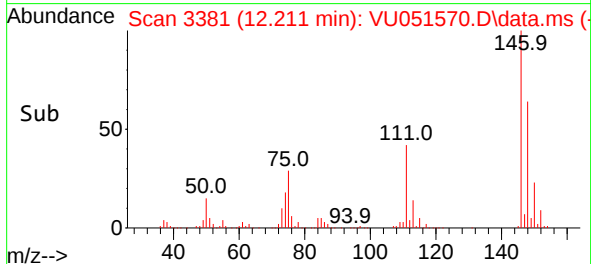
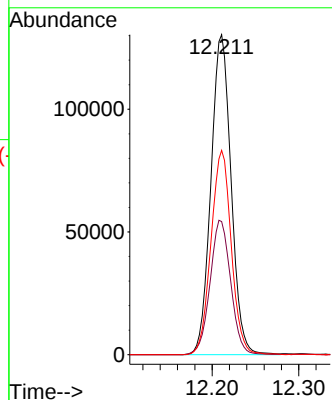
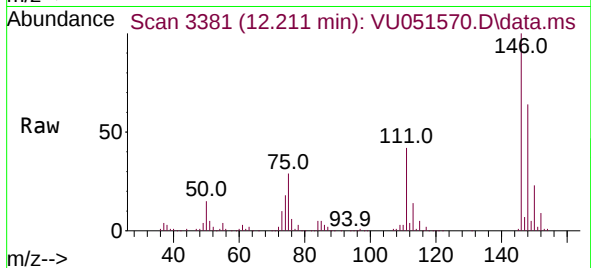
Tgt Ion:146 Resp: 210947

Ion Ratio Lower Upper

146 100

111 41.6 34.2 51.2

148 63.9 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 5.186 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU051570.D

Acq: 28 Oct 2022 15:42

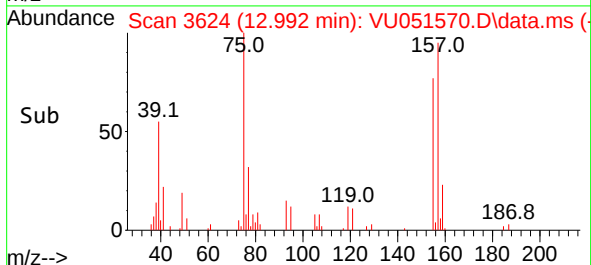
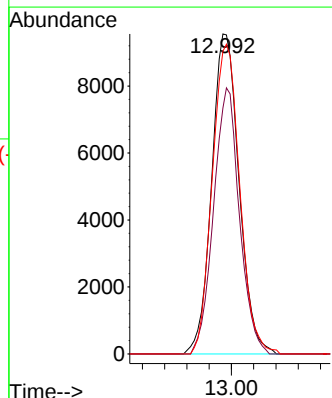
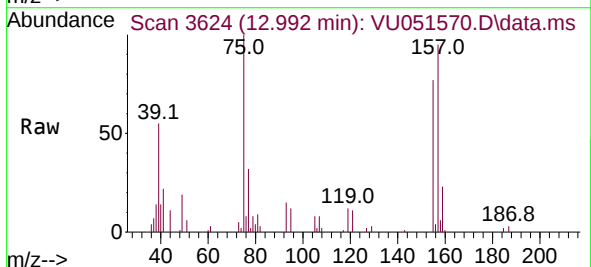
Tgt Ion: 75 Resp: 16280

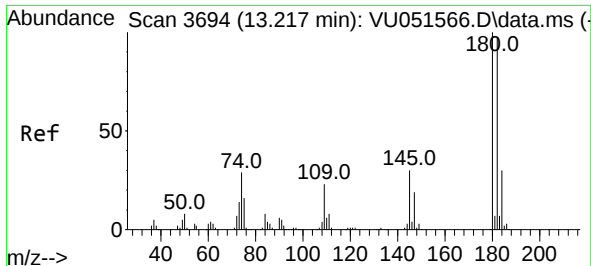
Ion Ratio Lower Upper

75 100

155 76.9 61.4 92.2

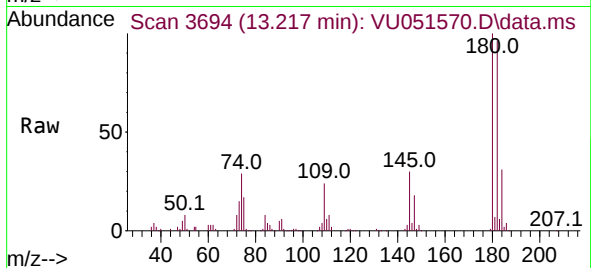
157 94.6 86.7 130.1



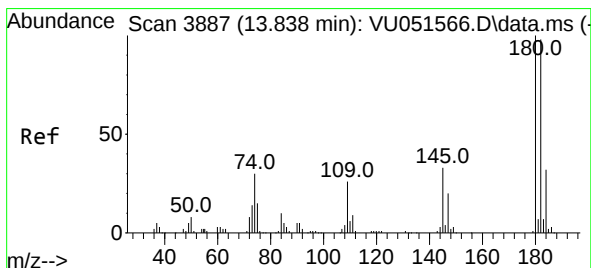
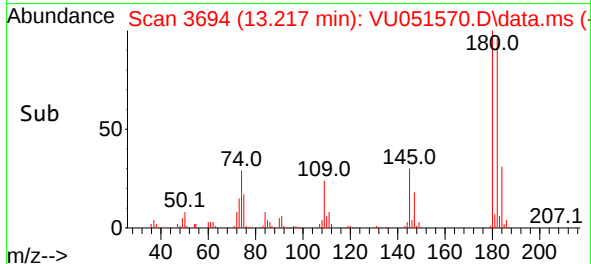
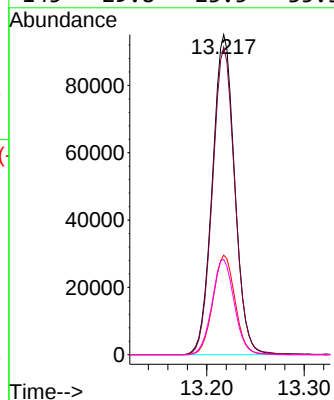


#69
 1,3,5-Trichlorobenzene
 Concen: 4.954 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.000 min
 Lab File: VU051570.D
 Acq: 28 Oct 2022 15:42

Instrument :
 MSVOA_U
 ClientSampleId :

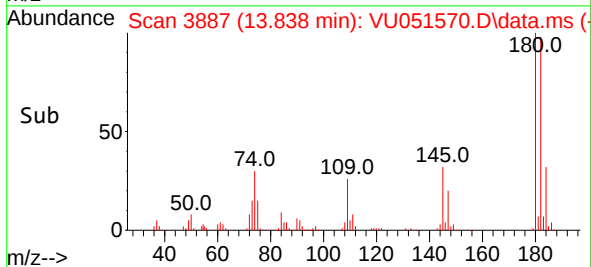
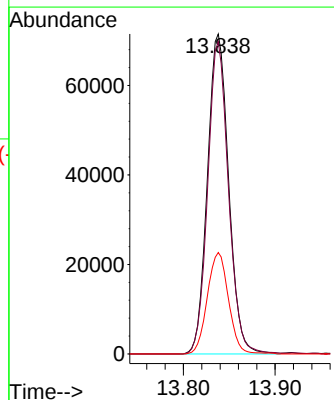
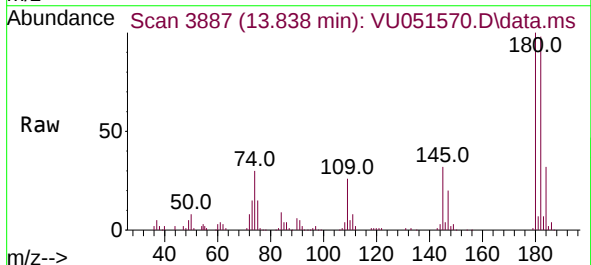


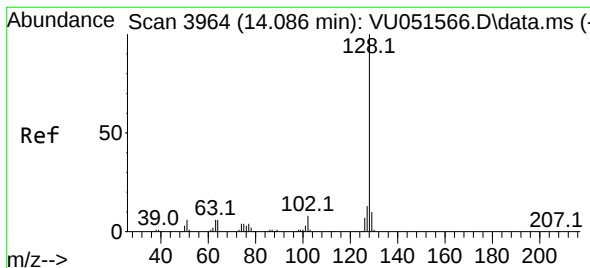
Tgt Ion:180 Resp: 151324
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.0 115.6
 184 30.7 23.7 35.5
 145 29.8 23.5 35.3



#70
 1,2,4-trichlorobenzene
 Concen: 4.918 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.000 min
 Lab File: VU051570.D
 Acq: 28 Oct 2022 15:42

Tgt Ion:180 Resp: 115309
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.8 116.6
 145 31.6 25.0 37.6





#71

Naphthalene

Concen: 4.727 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. -0.000 min

Lab File: VU051570.D

Acq: 28 Oct 2022 15:42

Instrument :

MSVOA_U

ClientSampleId :

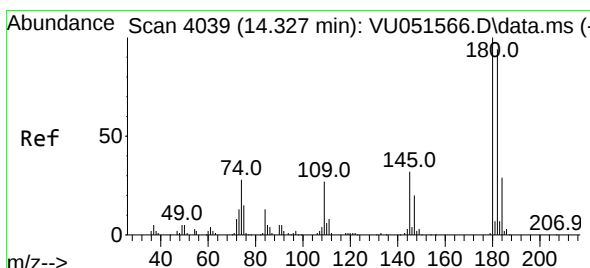
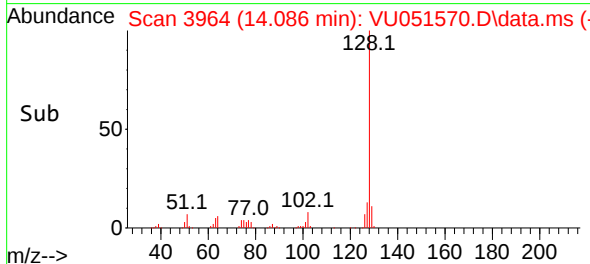
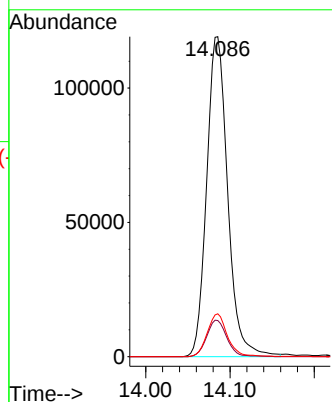
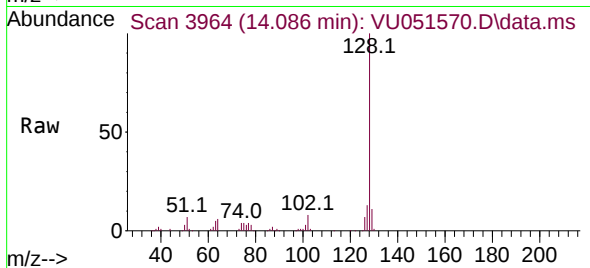
Tgt Ion:128 Resp: 206896

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

127 12.9 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 4.910 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. -0.000 min

Lab File: VU051570.D

Acq: 28 Oct 2022 15:42

Tgt Ion:180 Resp: 116251

Ion Ratio Lower Upper

180 100

182 94.5 76.1 114.1

145 31.9 25.6 38.4

