

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053123\
 Data File : VU054352.D
 Acq On : 31 May 2023 20:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 01 05:27:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 26 06:40:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.369	168	211538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	357967	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.410	117	338501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	182699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	150226	54.174	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	108.340%
35) Dibromofluoromethane	5.282	113	123705	53.663	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.320%
50) Toluene-d8	7.893	98	453689	51.742	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.480%
62) 4-Bromofluorobenzene	10.626	95	166788	49.057	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.120%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	125647	53.207	ug/l	98
3) Chloromethane	1.520	50	166719	53.918	ug/l	96
4) Vinyl Chloride	1.604	62	162635	55.126	ug/l	100
5) Bromomethane	1.845	94	72411	44.339	ug/l	99
6) Chloroethane	1.922	64	98891	69.506	ug/l	97
7) Trichlorofluoromethane	2.131	101	206413	50.855	ug/l	98
8) Diethyl Ether	2.372	74	83529	55.590	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.575	101	115449	52.535	ug/l	95
10) Methyl Iodide	2.716	142	143510	54.306	ug/l	96
11) Tert butyl alcohol	3.186	59	198235	264.646	ug/l #	45
12) 1,1-Dichloroethene	2.575	96	115848	50.913	ug/l	97
13) Acrolein	2.481	56	174369	223.765	ug/l	98
14) Allyl chloride	2.916	41	209032	52.983	ug/l	87
15) Acrylonitrile	3.308	53	465436	277.137	ug/l	99
16) Acetone	2.623	43	364300	229.187	ug/l	100
17) Carbon Disulfide	2.787	76	328348	48.828	ug/l	100
18) Methyl Acetate	2.941	43	330885	57.011	ug/l	95
19) Methyl tert-butyl Ether	3.356	73	405146	54.395	ug/l	98
20) Methylene Chloride	3.041	84	144500	50.390	ug/l	92
21) trans-1,2-Dichloroethene	3.346	96	128614	52.796	ug/l	99
22) Diisopropyl ether	3.986	45	408371	58.401	ug/l #	73
23) Vinyl Acetate	3.948	43	1497915	293.568	ug/l	98
24) 1,1-Dichloroethane	3.861	63	242503	54.160	ug/l	99
25) 2-Butanone	4.694	43	578138	274.709	ug/l	98
26) 2,2-Dichloropropane	4.658	77	173221	44.269	ug/l	100
27) cis-1,2-Dichloroethene	4.658	96	145861	53.824	ug/l	96
28) Bromochloromethane	4.964	49	120755	58.280	ug/l	84
29) Tetrahydrofuran	5.044	42	375299	283.700	ug/l	93
30) Chloroform	5.079	83	243704	53.543	ug/l	100
31) Cyclohexane	5.382	56	201761	51.527	ug/l	93
32) 1,1,1-Trichloroethane	5.308	97	208033	52.647	ug/l	99
36) 1,1-Dichloropropene	5.520	75	170983	47.223	ug/l	98
37) Ethyl Acetate	4.796	43	216198	48.995	ug/l #	92
38) Carbon Tetrachloride	5.517	117	180201	48.624	ug/l	100
39) Methylcyclohexane	6.758	83	197422	48.139	ug/l	91
40) Benzene	5.767	78	532962	51.605	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.964	41	113072	55.444	ug/l	92
42) 1,2-Dichloroethane	5.787	62	188062	50.126	ug/l	98
43) Isopropyl Acetate	5.906	43	322045	52.910	ug/l	98
44) Trichloroethene	6.536	130	136262	47.199	ug/l	92
45) 1,2-Dichloropropane	6.784	63	143887	53.405	ug/l	99
46) Dibromomethane	6.912	93	100849	50.851	ug/l	95
47) Bromodichloromethane	7.099	83	190064	51.246	ug/l	100
48) Methyl methacrylate	6.954	41	148875	55.154	ug/l	92
49) 1,4-Dioxane	6.973	88	85197	1093.319	ug/l #	1
51) 4-Methyl-2-Pentanone	7.783	43	1086928	267.595	ug/l	100
52) Toluene	7.964	92	329135	49.980	ug/l	99
53) t-1,3-Dichloropropene	8.205	75	212289	50.030	ug/l	98
54) cis-1,3-Dichloropropene	7.600	75	225273	50.872	ug/l	99
55) 1,1,2-Trichloroethane	8.394	97	141289	51.771	ug/l	97
56) Ethyl methacrylate	8.327	69	215222	52.979	ug/l	95
57) 1,3-Dichloropropane	8.568	76	241238	51.329	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.459	63	108426	416.288	ug/l	98
59) 2-Hexanone	8.677	43	849474	264.745	ug/l	100
60) Dibromochloromethane	8.803	129	143340	51.696	ug/l	98
61) 1,2-Dibromoethane	8.918	107	152857	51.464	ug/l	100
64) Tetrachloroethene	8.549	164	113988	44.743	ug/l	96
65) Chlorobenzene	9.443	112	349511	49.390	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.529	131	133793	52.116	ug/l	97
67) Ethyl Benzene	9.565	91	615421	50.868	ug/l	98
68) m/p-Xylenes	9.690	106	472495	103.033	ug/l	92
69) o-Xylene	10.095	106	230386	51.897	ug/l	94
70) Styrene	10.108	104	388156	52.725	ug/l	97
71) Bromoform	10.285	173	115346	51.705	ug/l	99
73) Isopropylbenzene	10.478	105	600955	53.112	ug/l	97
74) N-amyl acetate	10.314	43	266216	55.411	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.777	83	247532	54.066	ug/l	100
76) 1,2,3-Trichloropropane	10.819	75	276109	51.781	ug/l	98
77) Bromobenzene	10.777	156	157903	50.820	ug/l	91
78) n-propylbenzene	10.899	91	729303	52.617	ug/l	97
79) 2-Chlorotoluene	10.979	91	434024	51.721	ug/l	95
80) 1,3,5-Trimethylbenzene	11.082	105	514660	53.486	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.539	75	70768	50.538	ug/l	97
82) 4-Chlorotoluene	11.092	91	505987	51.390	ug/l	96
83) tert-Butylbenzene	11.414	119	509932	52.996	ug/l	97
84) 1,2,4-Trimethylbenzene	11.462	105	511149	53.395	ug/l	99
85) sec-Butylbenzene	11.639	105	640145	52.431	ug/l	99
86) p-Isopropyltoluene	11.787	119	526073	51.229	ug/l	98
87) 1,3-Dichlorobenzene	11.738	146	293392	48.767	ug/l	98
88) 1,4-Dichlorobenzene	11.832	146	294570	46.868	ug/l	98
89) n-Butylbenzene	12.201	91	469788	48.600	ug/l	98
90) Hexachloroethane	12.468	117	95899	52.787	ug/l	92
91) 1,2-Dichlorobenzene	12.205	146	296882	50.162	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.989	75	59385	56.874	ug/l	90
93) 1,2,4-Trichlorobenzene	13.835	180	199801	47.627	ug/l	98
94) Hexachlorobutadiene	14.015	225	92855	47.717	ug/l	98
95) Naphthalene	14.079	128	681433	50.411	ug/l	100
96) 1,2,3-Trichlorobenzene	14.323	180	204881	49.227	ug/l	99

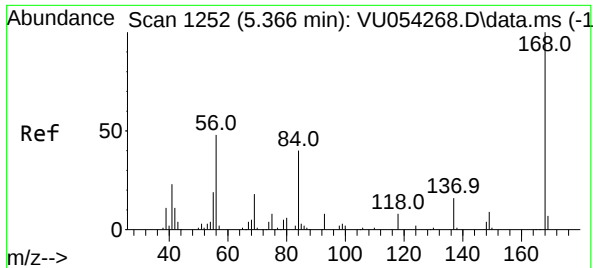
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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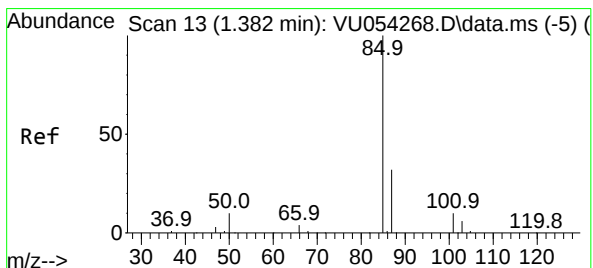
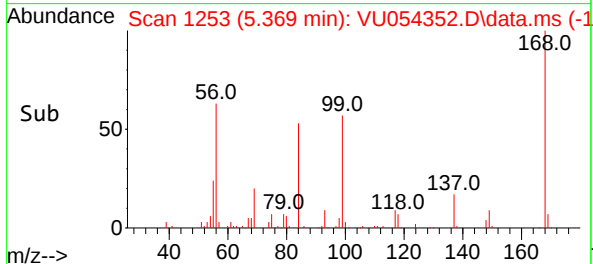
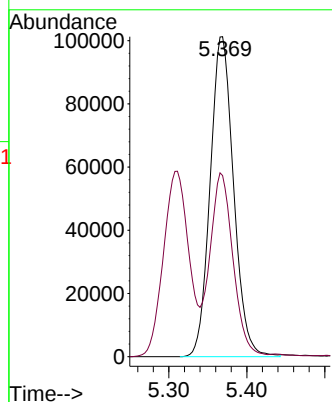
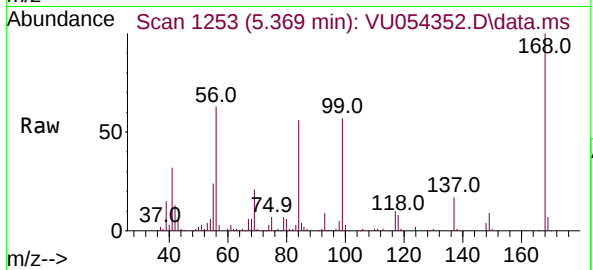
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054352.D
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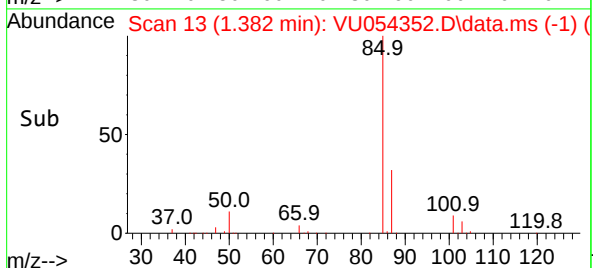
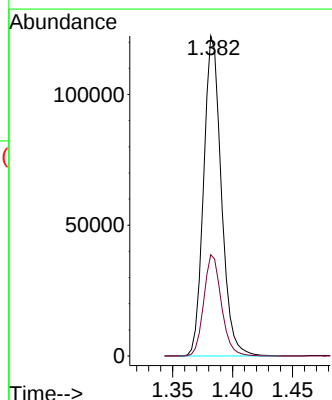
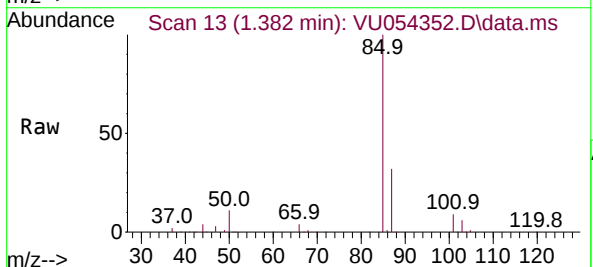
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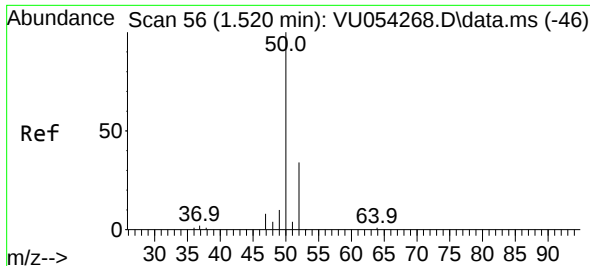
Tgt Ion:168 Resp: 211538
Ion Ratio Lower Upper
168 100
99 55.9 39.3 58.9



#2
Dichlorodifluoromethane
Concen: 53.207 ug/l
RT: 1.382 min Scan# 13
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion: 85 Resp: 125647
Ion Ratio Lower Upper
85 100
87 31.7 16.4 49.2

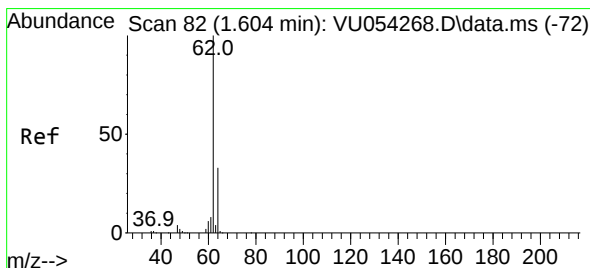
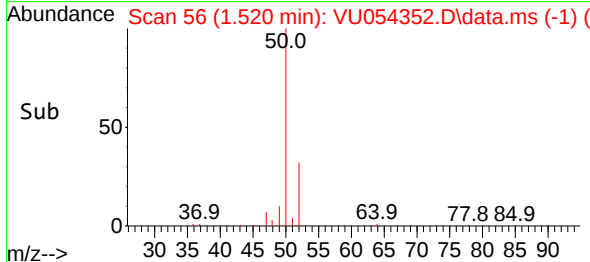
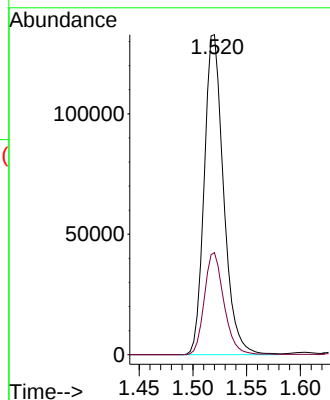
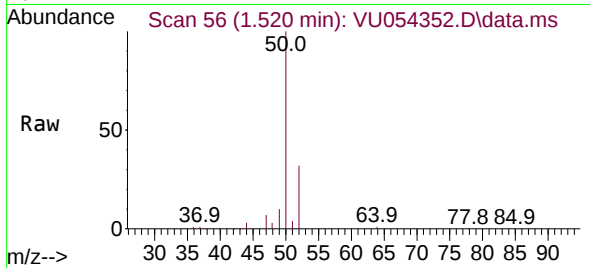




#3
Chloromethane
Concen: 53.918 ug/l
RT: 1.520 min Scan# 50
Delta R.T. 0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

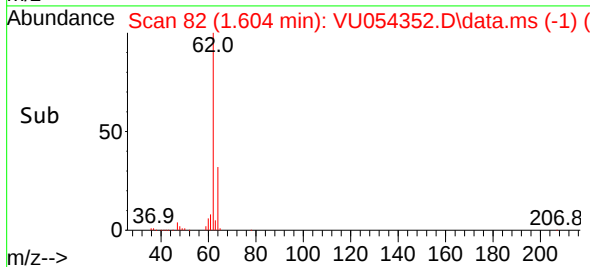
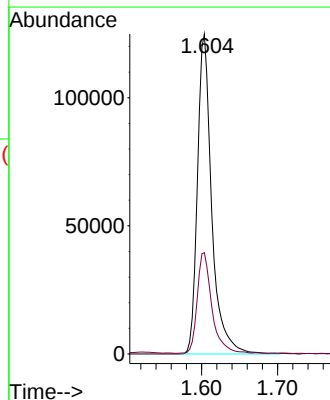
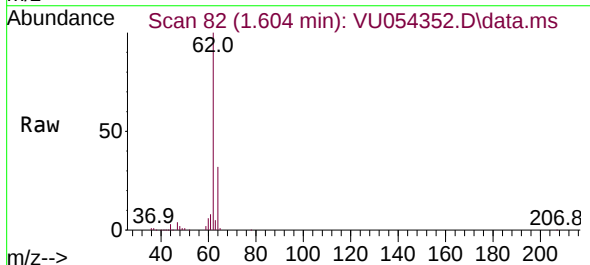
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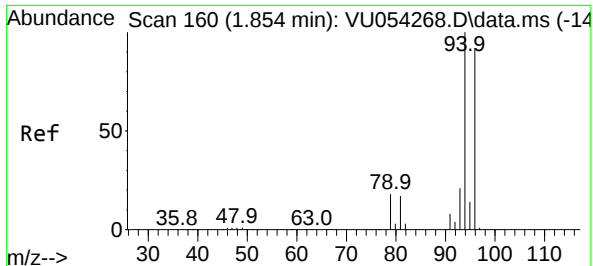
Tgt Ion: 50 Resp: 166719
Ion Ratio Lower Upper
50 100
52 31.9 27.4 41.2



#4
Vinyl Chloride
Concen: 55.126 ug/l
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion: 62 Resp: 162635
Ion Ratio Lower Upper
62 100
64 31.4 25.3 37.9

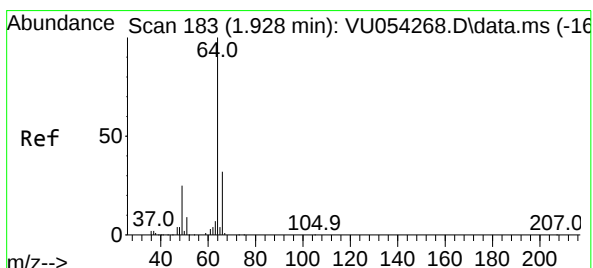
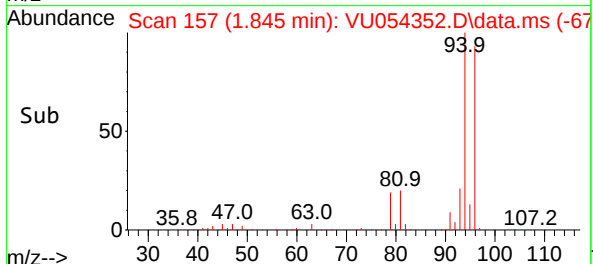
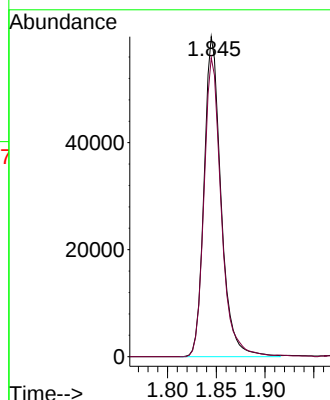
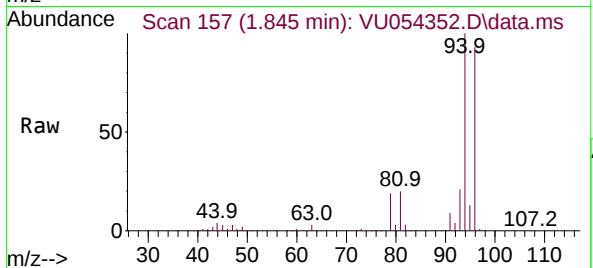




#5
Bromomethane
Concen: 44.339 ug/l
RT: 1.845 min Scan# 11
Delta R.T. -0.009 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

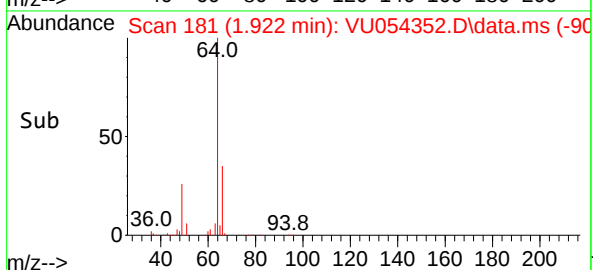
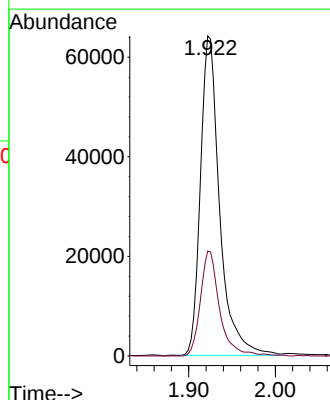
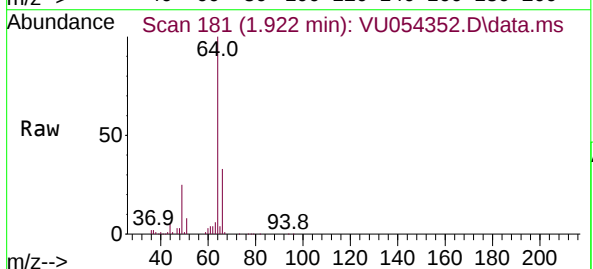
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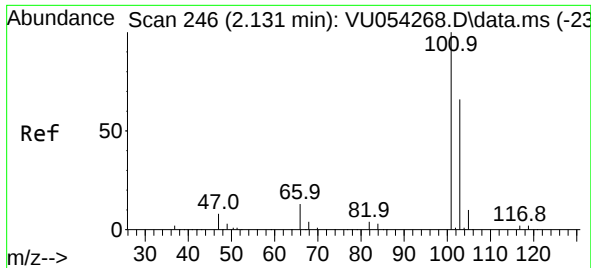
Tgt Ion: 94 Resp: 72411
Ion Ratio Lower Upper
94 100
96 93.4 73.7 110.5



#6
Chloroethane
Concen: 69.506 ug/l
RT: 1.922 min Scan# 181
Delta R.T. -0.006 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion: 64 Resp: 98891
Ion Ratio Lower Upper
64 100
66 32.8 24.7 37.1

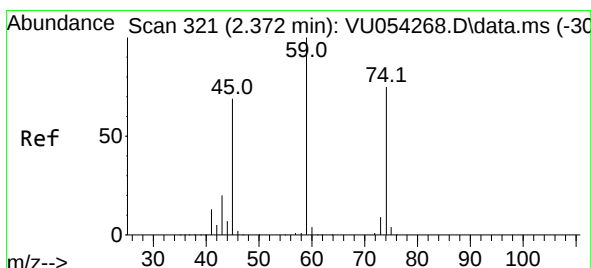
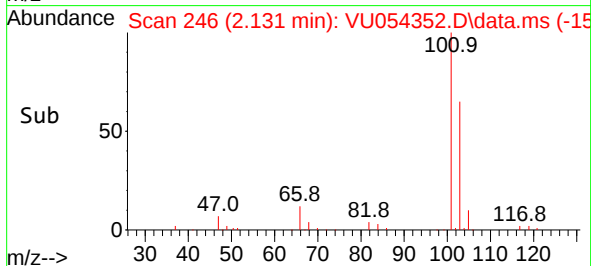
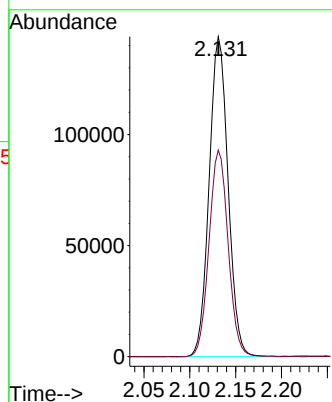
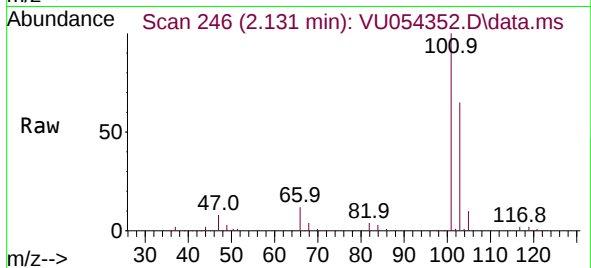




#7
 Trichlorofluoromethane
 Concen: 50.855 ug/l
 RT: 2.131 min Scan# 246
 Delta R.T. -0.000 min
 Lab File: VU054352.D
 Acq: 31 May 2023 20:58

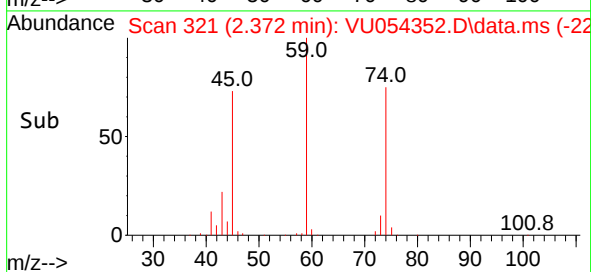
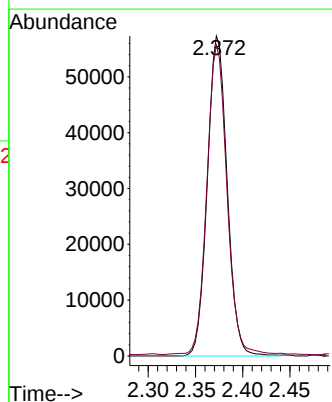
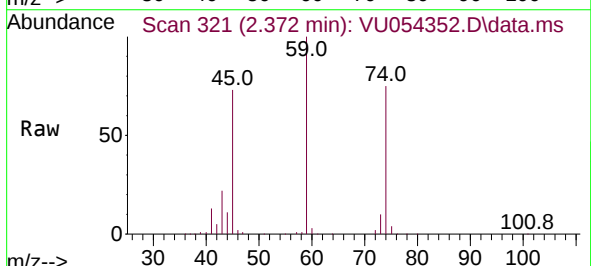
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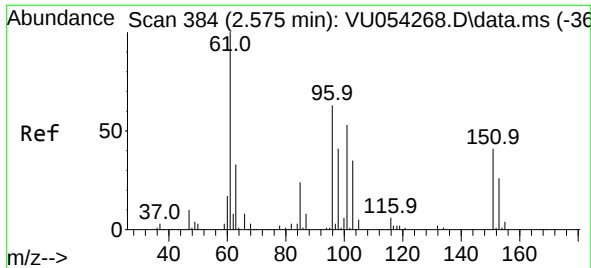
Tgt Ion:101 Resp: 206413
 Ion Ratio Lower Upper
 101 100
 103 64.5 50.6 75.8



#8
 Diethyl Ether
 Concen: 55.590 ug/l
 RT: 2.372 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VU054352.D
 Acq: 31 May 2023 20:58

Tgt Ion: 74 Resp: 83529
 Ion Ratio Lower Upper
 74 100
 45 98.1 44.4 133.2

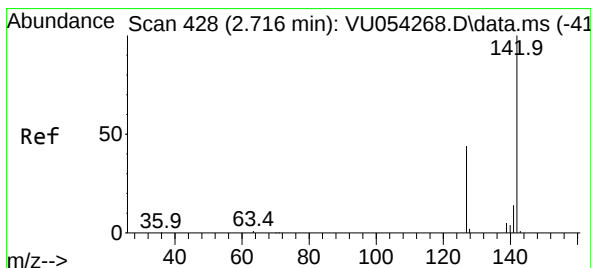
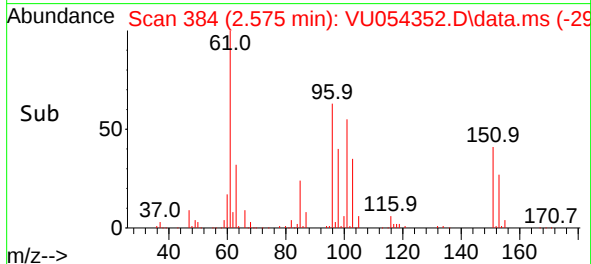
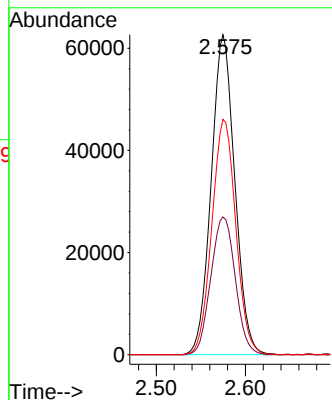
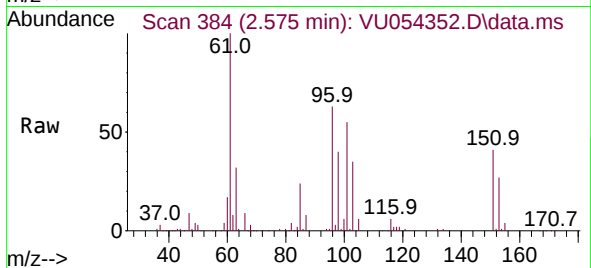




#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.535 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054352.D
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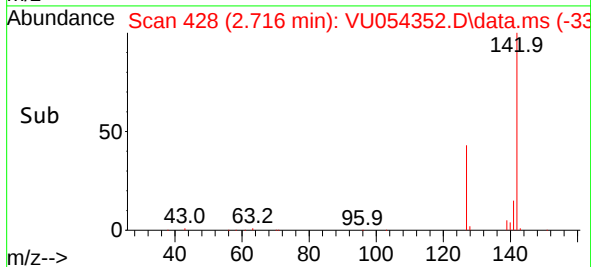
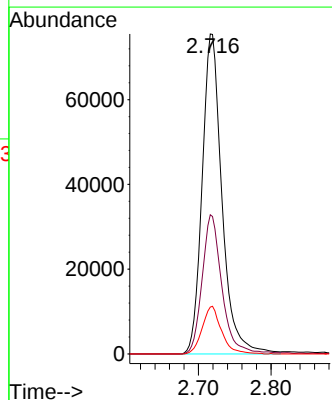
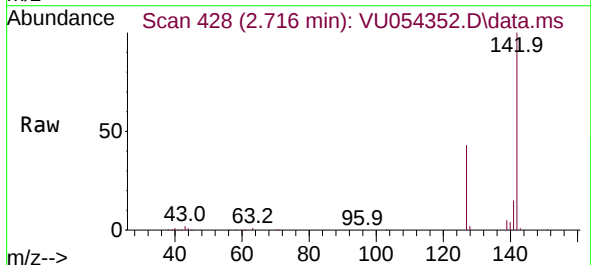
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

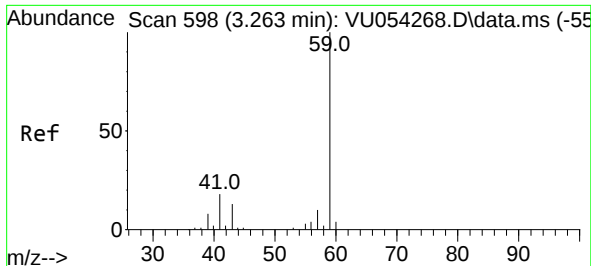
Tgt Ion:101 Resp: 115449
Ion Ratio Lower Upper
101 100
85 44.5 33.9 50.9
151 74.7 64.0 96.0



#10
Methyl Iodide
Concen: 54.306 ug/l
RT: 2.716 min Scan# 428
Delta R.T. 0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion:142 Resp: 143510
Ion Ratio Lower Upper
142 100
127 43.5 32.5 48.7
141 14.5 11.4 17.0

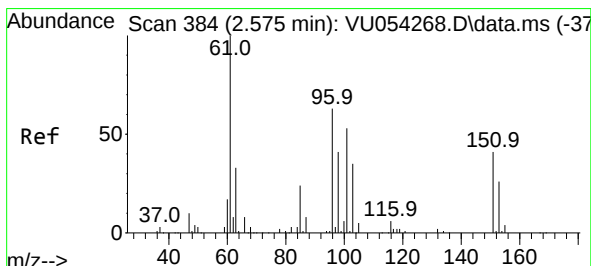
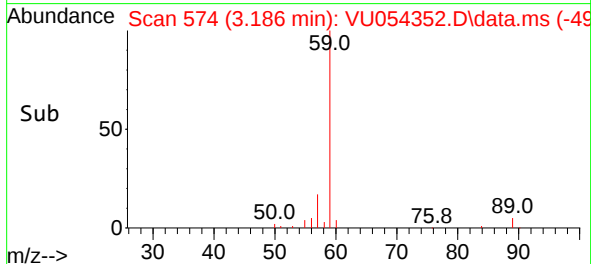
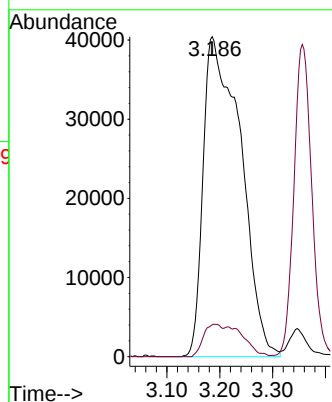
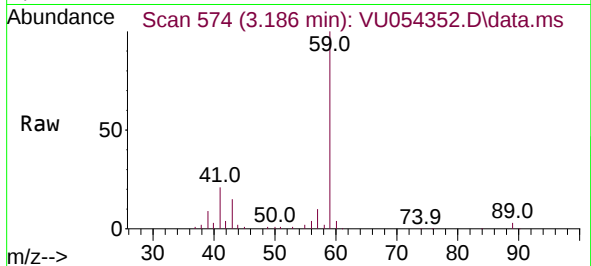




#11
Tert butyl alcohol
Concen: 264.646 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.057 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

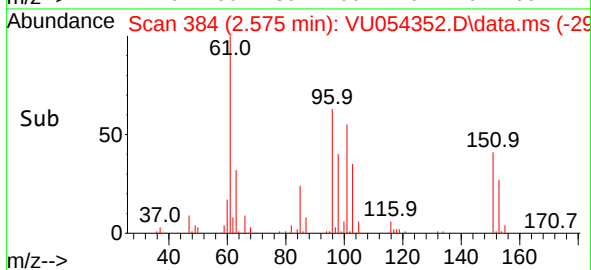
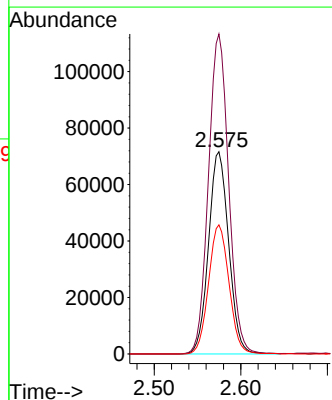
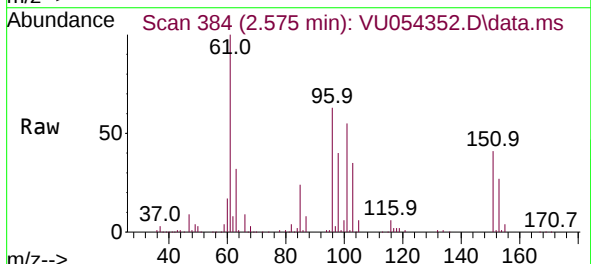
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

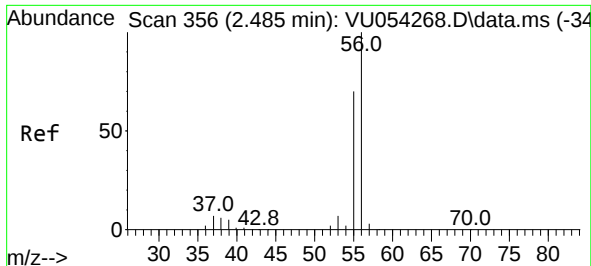
Tgt Ion: 59 Resp: 198235
Ion Ratio Lower Upper
59 100
57 4.9 30.6 45.8#



#12
1,1-Dichloroethene
Concen: 50.913 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion: 96 Resp: 115848
Ion Ratio Lower Upper
96 100
61 158.3 122.2 183.2
98 63.9 50.7 76.1





#13

Acrolein

Concen: 223.765 ug/l

RT: 2.481 min Scan# 31

Delta R.T. -0.004 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

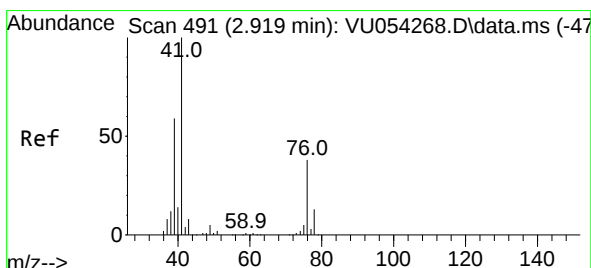
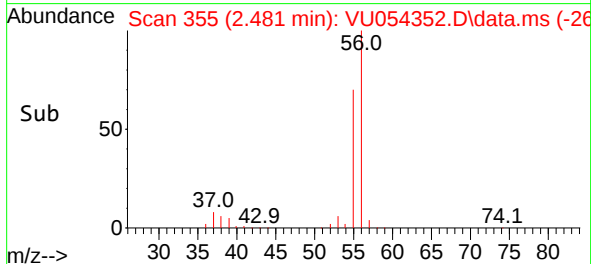
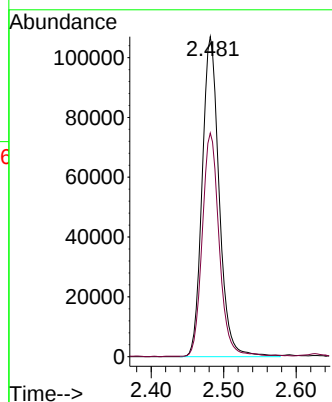
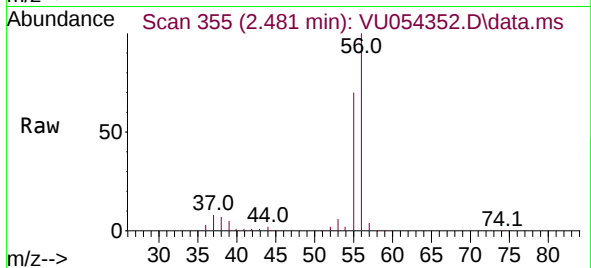
VSTDCCC050EC

Tgt Ion: 56 Resp: 174369

Ion Ratio Lower Upper

56 100

55 69.2 56.6 85.0



#14

Allyl chloride

Concen: 52.983 ug/l

RT: 2.916 min Scan# 490

Delta R.T. -0.003 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

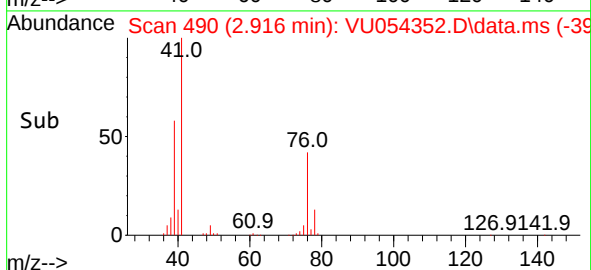
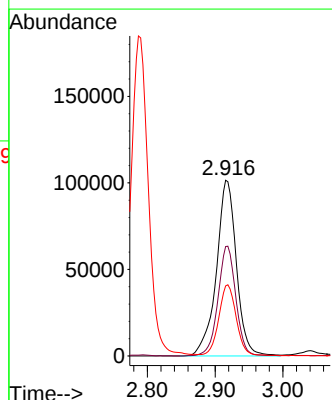
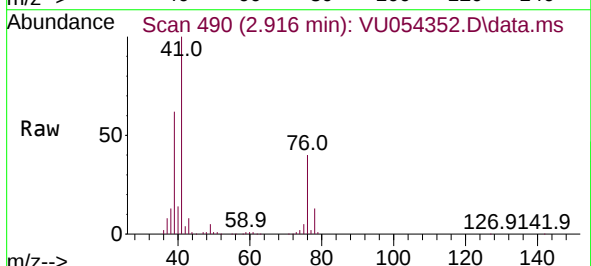
Tgt Ion: 41 Resp: 209032

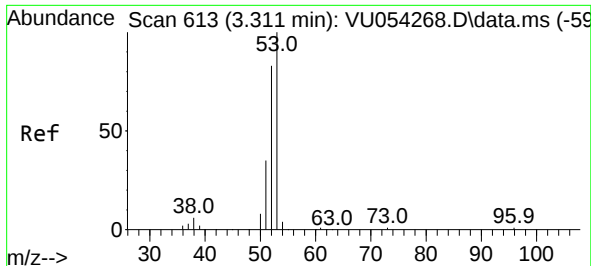
Ion Ratio Lower Upper

41 100

39 55.7 53.4 80.2

76 35.1 33.8 50.6

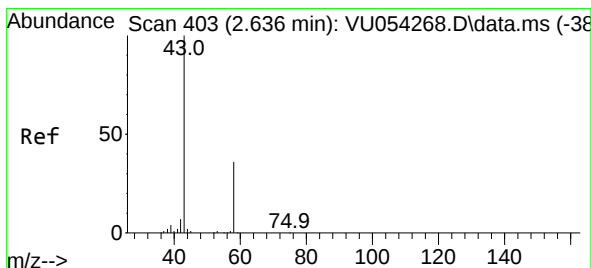
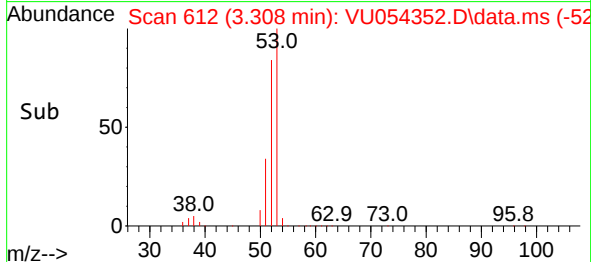
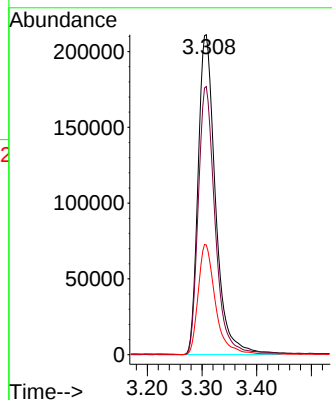
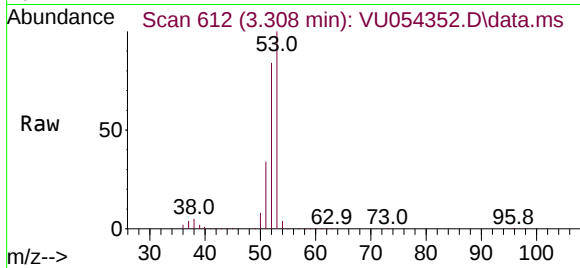




#15
Acrylonitrile
Concen: 277.137 ug/l
RT: 3.308 min Scan# 613
Delta R.T. -0.003 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

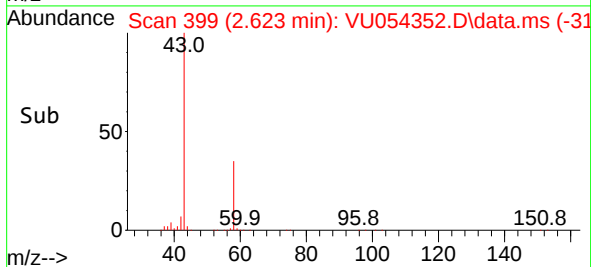
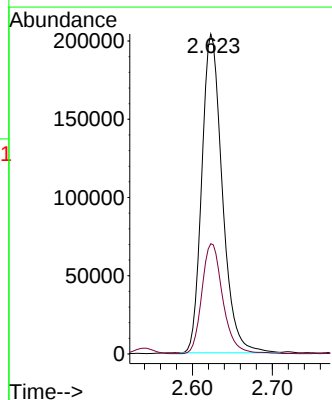
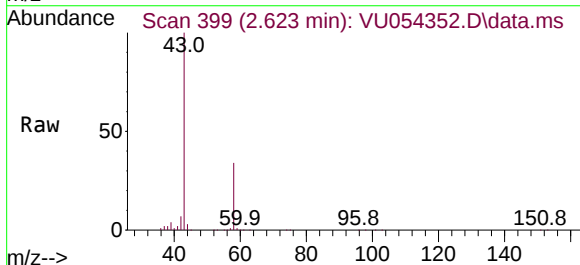
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

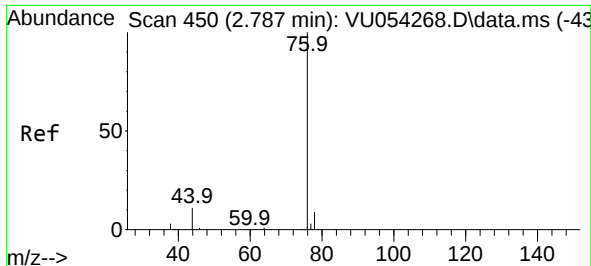
Tgt Ion: 53 Resp: 465436
Ion Ratio Lower Upper
53 100
52 82.1 65.7 98.5
51 34.3 28.2 42.4



#16
Acetone
Concen: 229.187 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.013 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion: 43 Resp: 364300
Ion Ratio Lower Upper
43 100
58 34.5 27.5 41.3

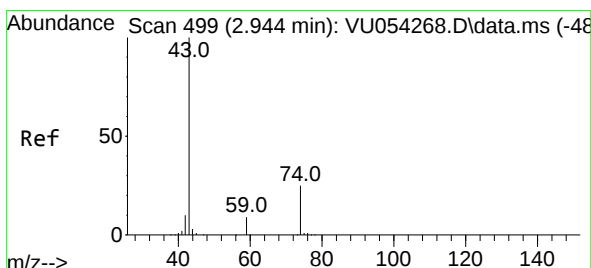
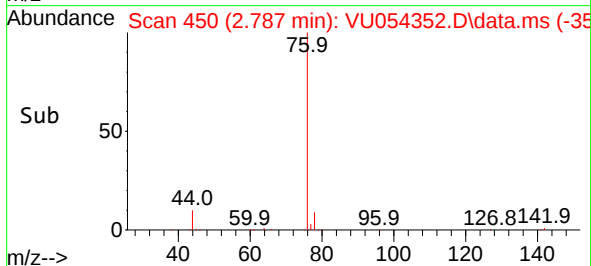
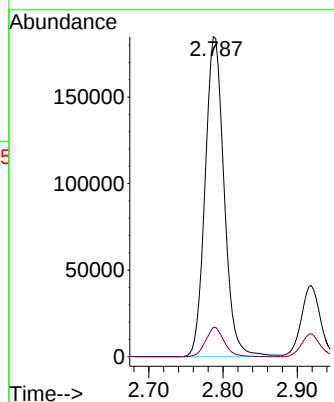
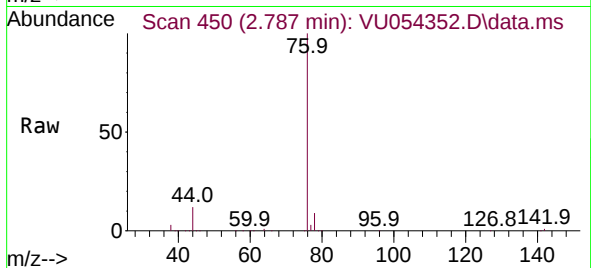




#17
Carbon Disulfide
Concen: 48.828 ug/l
RT: 2.787 min Scan# 411
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

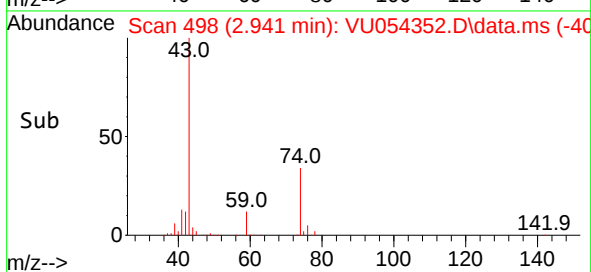
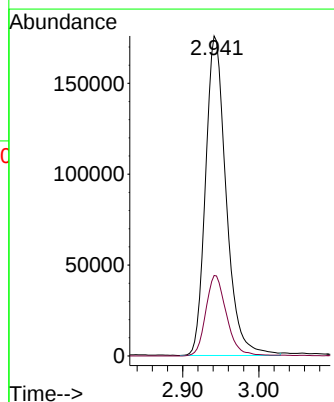
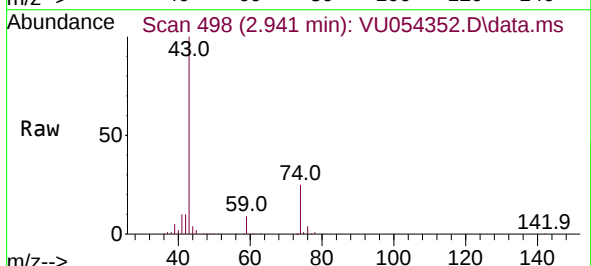
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

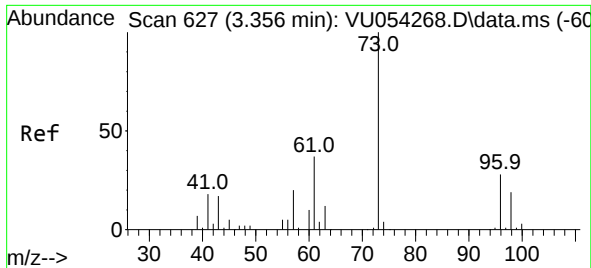
Tgt Ion: 76 Resp: 328348
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 57.011 ug/l
RT: 2.941 min Scan# 498
Delta R.T. -0.003 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion: 43 Resp: 330885
Ion Ratio Lower Upper
43 100
74 25.4 22.5 33.7

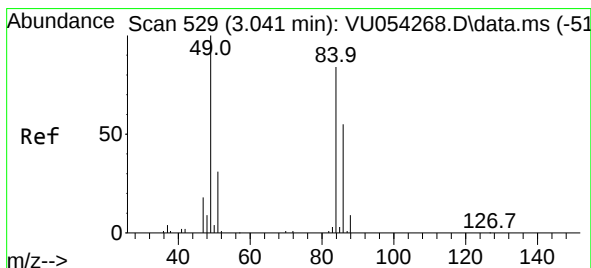
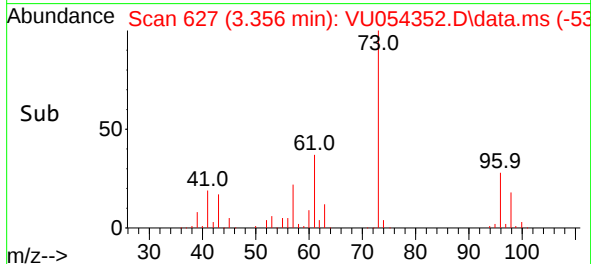
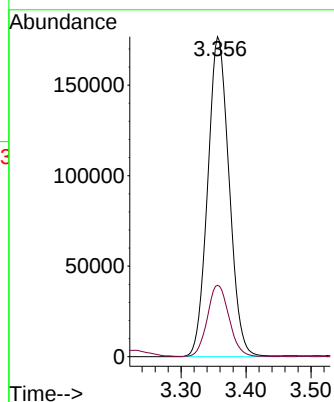
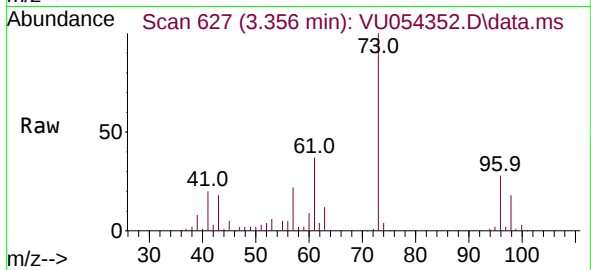




#19
Methyl tert-butyl Ether
Concen: 54.395 ug/l
RT: 3.356 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

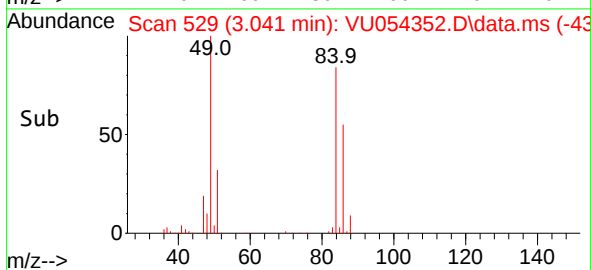
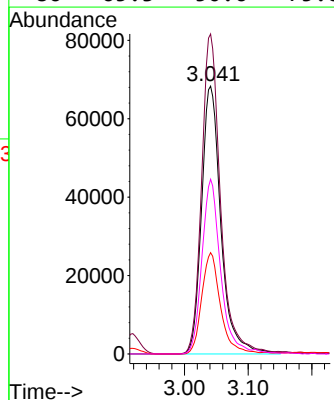
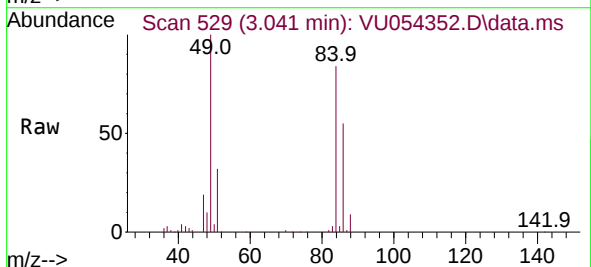
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

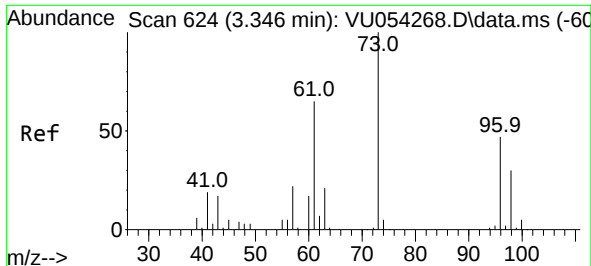
Tgt Ion: 73 Resp: 405146
Ion Ratio Lower Upper
73 100
57 22.2 17.1 25.7



#20
Methylene Chloride
Concen: 50.390 ug/l
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion: 84 Resp: 144500
Ion Ratio Lower Upper
84 100
49 119.5 86.6 129.8
51 37.9 26.6 40.0
86 65.3 50.6 75.8

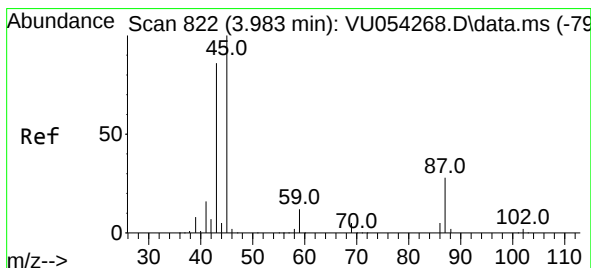
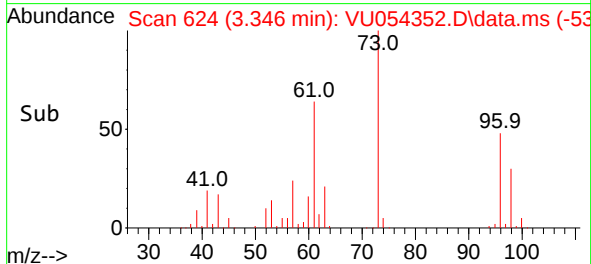
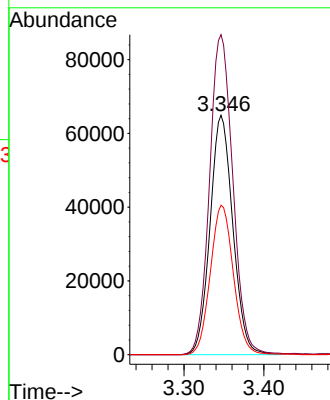
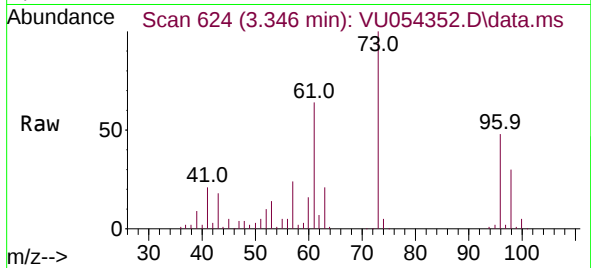




#21
trans-1,2-Dichloroethene
Concen: 52.796 ug/l
RT: 3.346 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

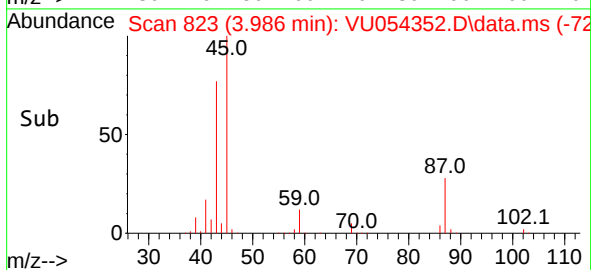
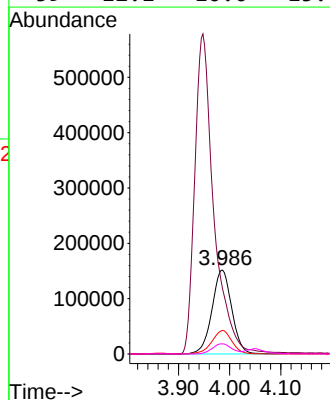
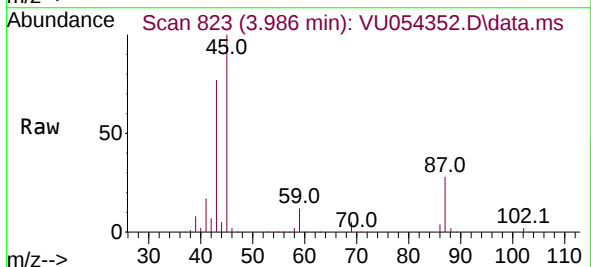
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

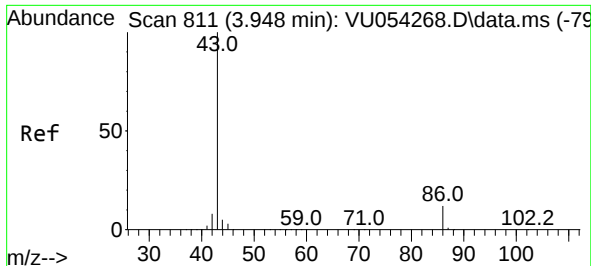
Tgt Ion: 96 Resp: 128614
Ion Ratio Lower Upper
96 100
61 133.7 106.1 159.1
98 62.5 50.8 76.2



#22
Diisopropyl ether
Concen: 58.401 ug/l
RT: 3.986 min Scan# 823
Delta R.T. 0.003 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion: 45 Resp: 408371
Ion Ratio Lower Upper
45 100
43 77.2 92.9 139.3#
87 28.1 26.2 39.2
59 12.1 10.0 15.0

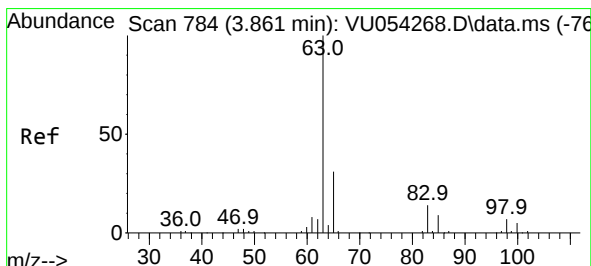
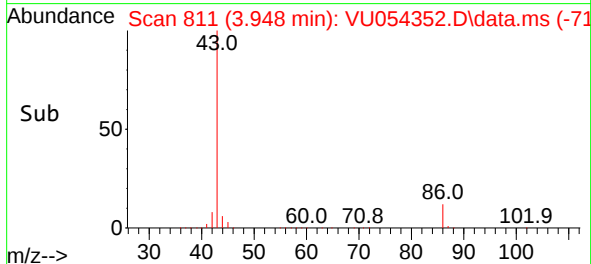
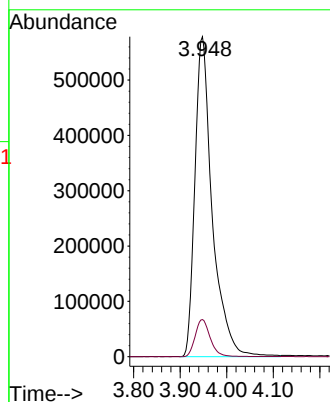
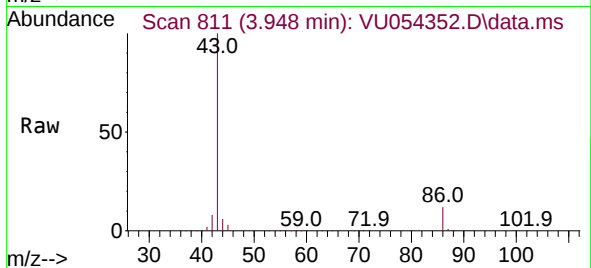




#23
 Vinyl Acetate
 Concen: 293.568 ug/l
 RT: 3.948 min Scan# 811
 Delta R.T. -0.000 min
 Lab File: VU054352.D
 Acq: 31 May 2023 20:58

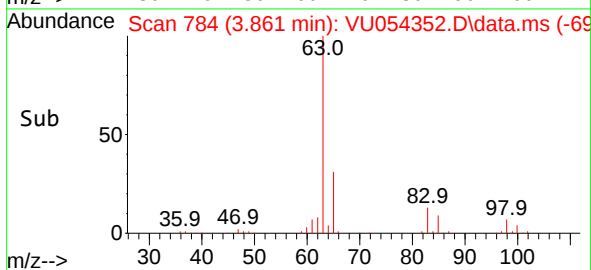
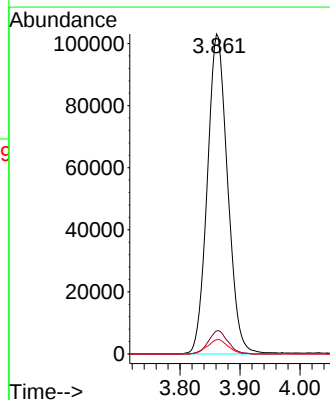
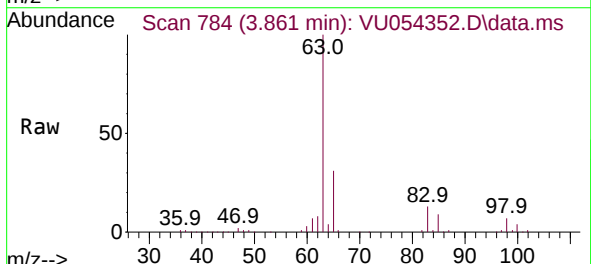
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

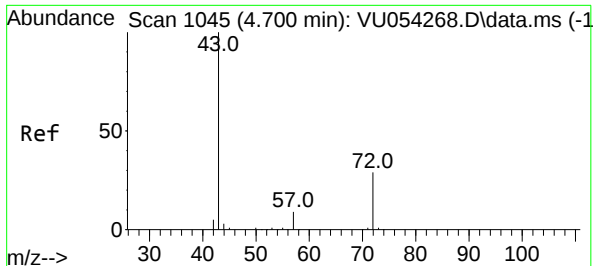
Tgt Ion: 43 Resp: 1497915
 Ion Ratio Lower Upper
 43 100
 86 11.6 9.8 14.8



#24
 1,1-Dichloroethane
 Concen: 54.160 ug/l
 RT: 3.861 min Scan# 784
 Delta R.T. -0.000 min
 Lab File: VU054352.D
 Acq: 31 May 2023 20:58

Tgt Ion: 63 Resp: 242503
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.6 10.9
 100 4.4 2.4 7.2





#25

2-Butanone

Concen: 274.709 ug/l

RT: 4.694 min Scan# 1043

Delta R.T. -0.006 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

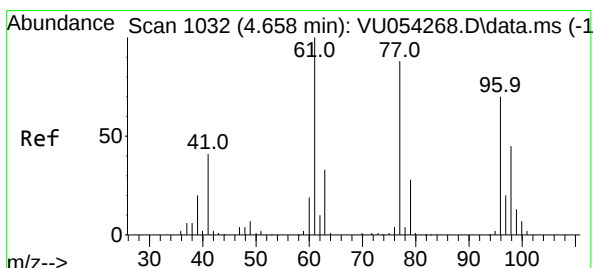
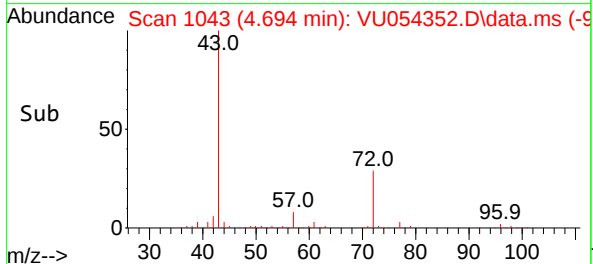
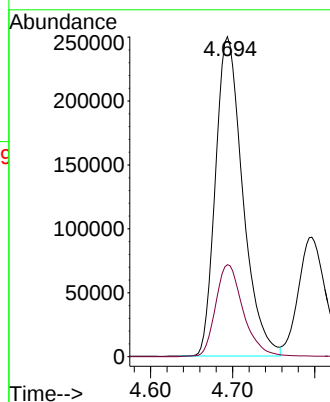
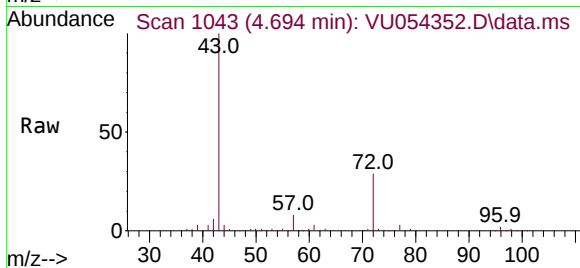
VSTDCCC050EC

Tgt Ion: 43 Resp: 578138

Ion Ratio Lower Upper

43 100

72 28.8 23.8 35.6



#26

2,2-Dichloropropane

Concen: 44.269 ug/l

RT: 4.658 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VU054352.D

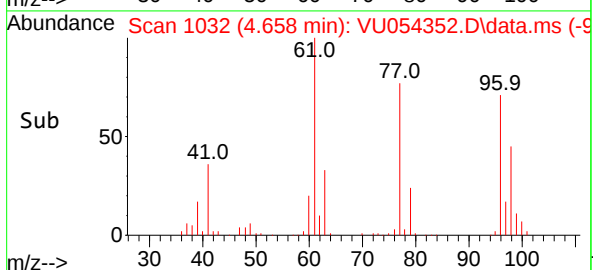
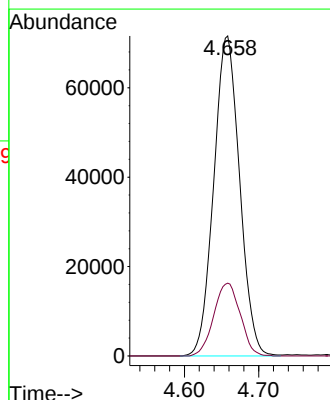
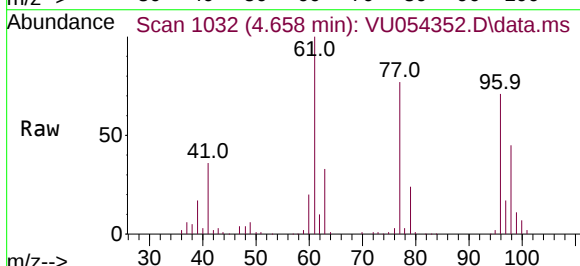
Acq: 31 May 2023 20:58

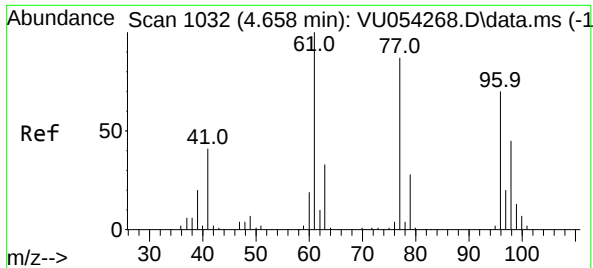
Tgt Ion: 77 Resp: 173221

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.8

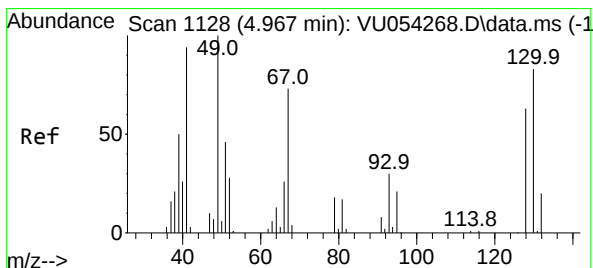
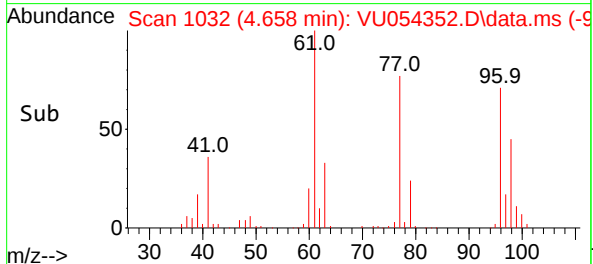
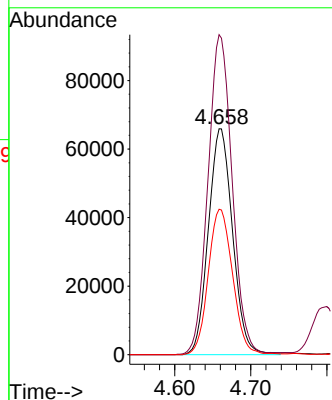
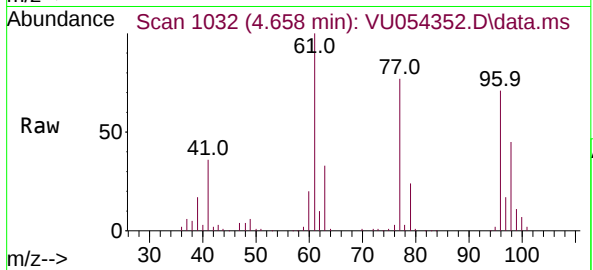




#27
 cis-1,2-Dichloroethene
 Concen: 53.824 ug/l
 RT: 4.658 min Scan# 1032
 Delta R.T. 0.000 min
 Lab File: VU054352.D
 Acq: 31 May 2023 20:58

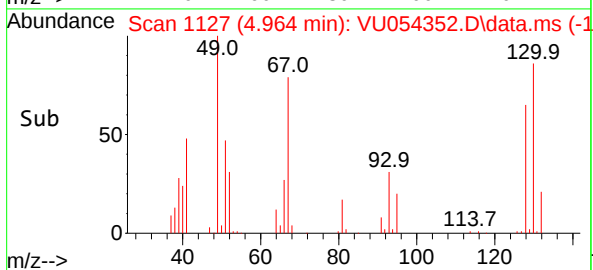
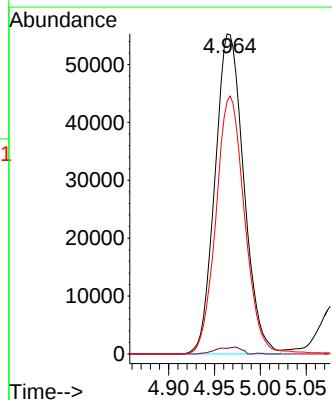
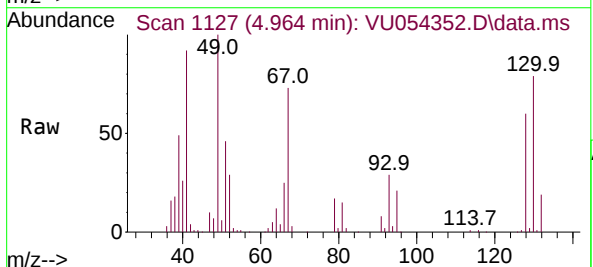
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

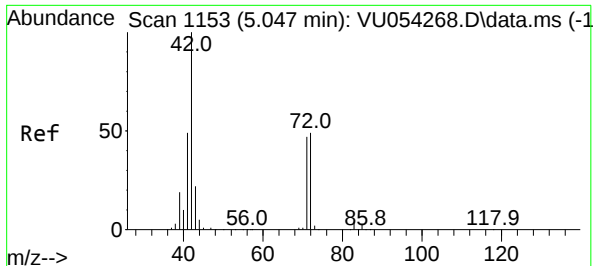
Tgt Ion: 96 Resp: 145861
 Ion Ratio Lower Upper
 96 100
 61 141.8 0.0 271.6
 98 64.5 0.0 128.2



#28
 Bromochloromethane
 Concen: 58.280 ug/l
 RT: 4.964 min Scan# 1127
 Delta R.T. -0.003 min
 Lab File: VU054352.D
 Acq: 31 May 2023 20:58

Tgt Ion: 49 Resp: 120755
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.6
 130 80.3 76.9 115.3





#29

Tetrahydrofuran

Concen: 283.700 ug/l

RT: 5.044 min Scan# 1152

Delta R.T. -0.003 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

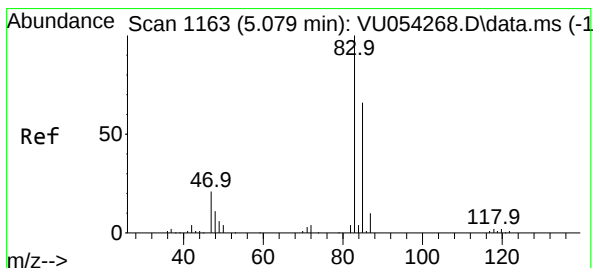
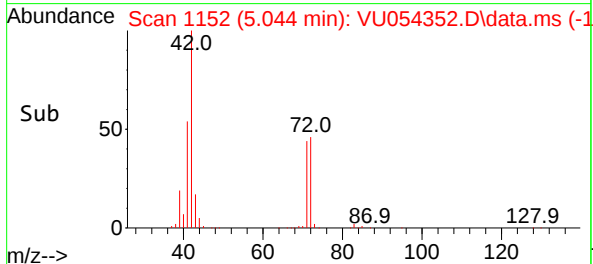
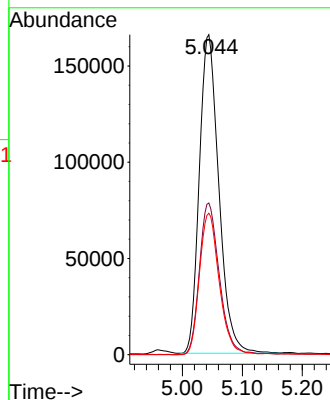
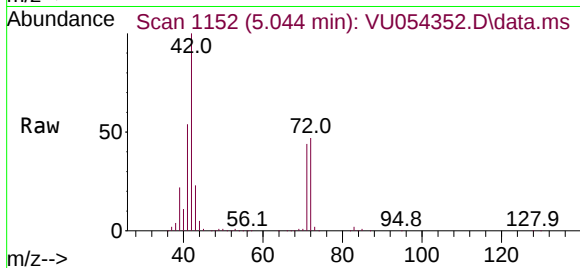
Tgt Ion: 42 Resp: 375299

Ion Ratio Lower Upper

42 100

72 48.6 42.6 63.8

71 44.9 40.3 60.5



#30

Chloroform

Concen: 53.543 ug/l

RT: 5.079 min Scan# 1163

Delta R.T. 0.000 min

Lab File: VU054352.D

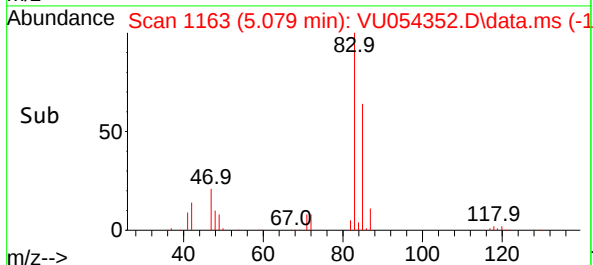
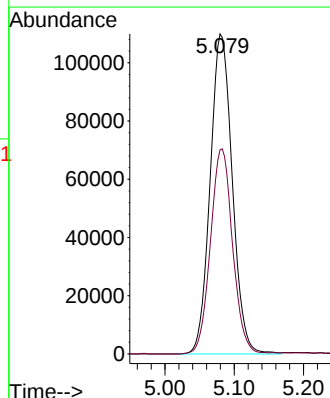
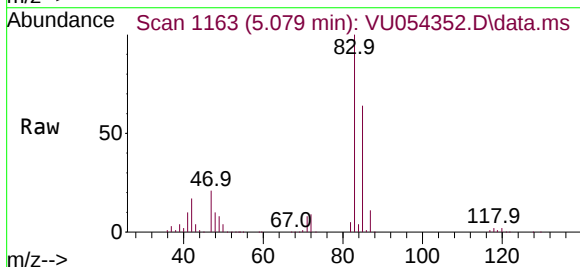
Acq: 31 May 2023 20:58

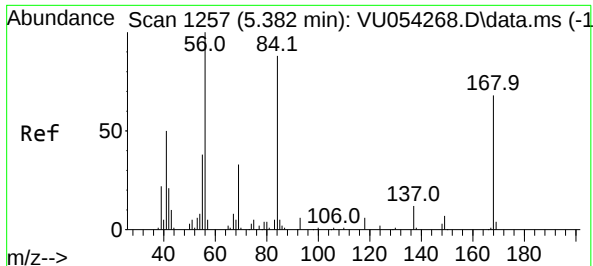
Tgt Ion: 83 Resp: 243704

Ion Ratio Lower Upper

83 100

85 63.8 51.2 76.8

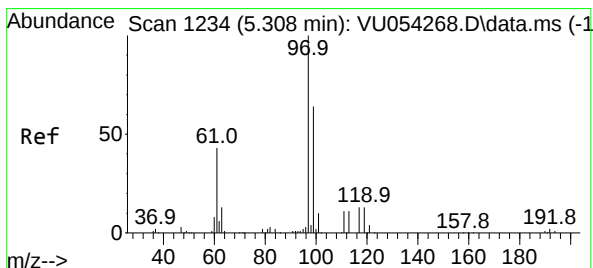
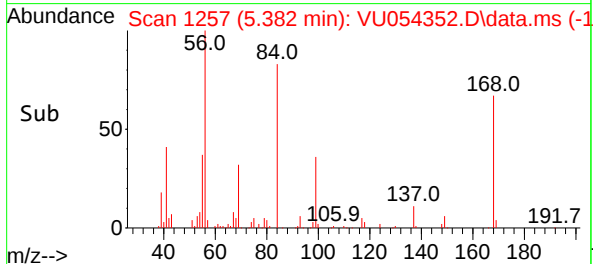
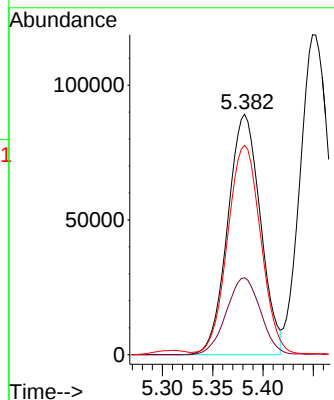
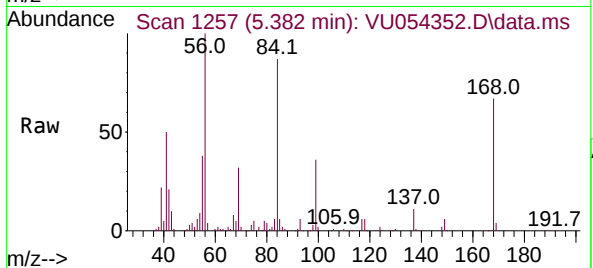




#31
Cyclohexane
Concen: 51.527 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

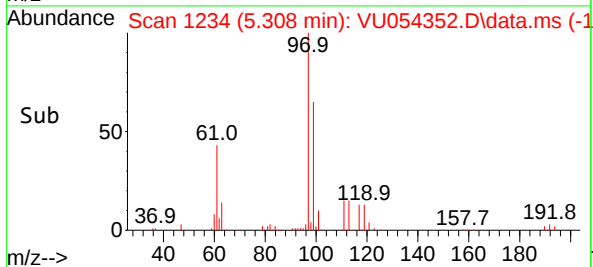
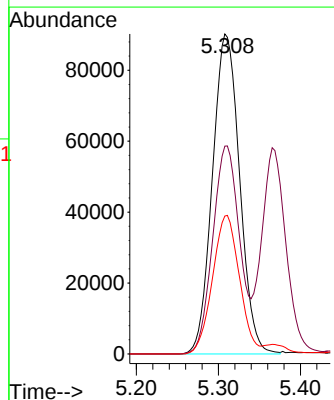
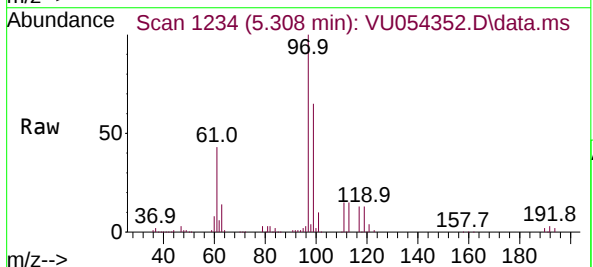
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

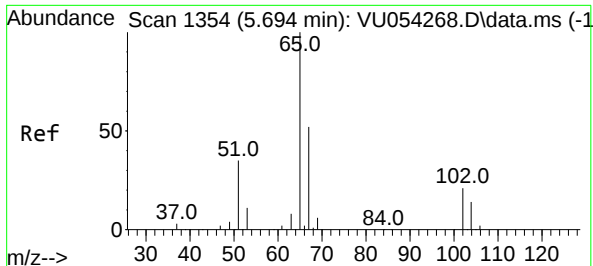
Tgt Ion: 56 Resp: 201761
Ion Ratio Lower Upper
56 100
69 32.0 27.8 41.8
84 85.4 74.2 111.4



#32
1,1,1-Trichloroethane
Concen: 52.647 ug/l
RT: 5.308 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion: 97 Resp: 208033
Ion Ratio Lower Upper
97 100
99 64.4 51.8 77.6
61 43.0 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 54.174 ug/l

RT: 5.694 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

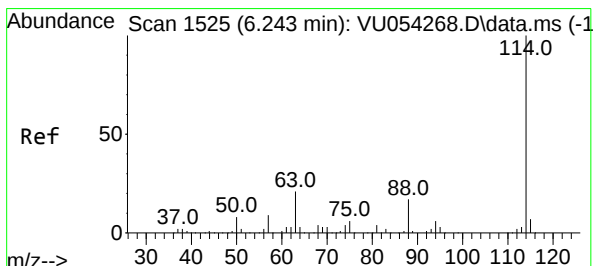
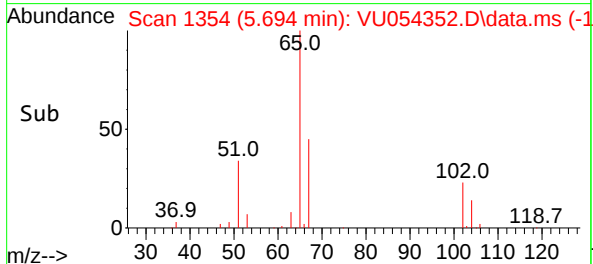
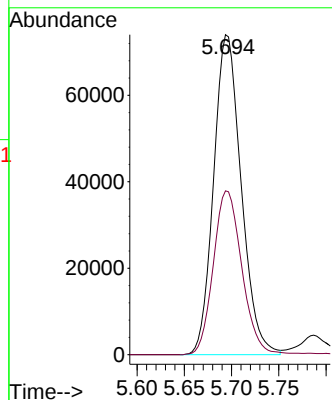
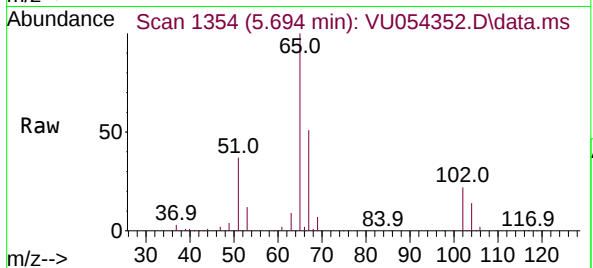
VSTDCCC050EC

Tgt Ion: 65 Resp: 150226

Ion Ratio Lower Upper

65 100

67 53.0 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

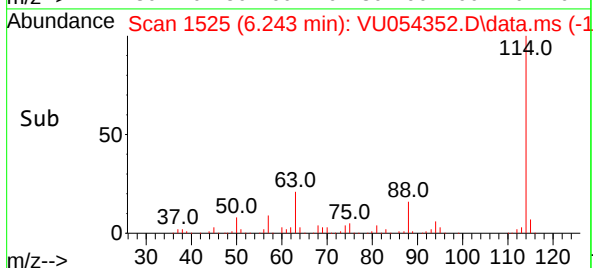
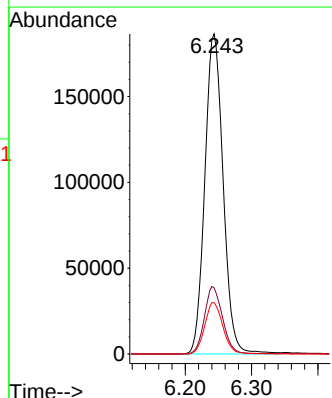
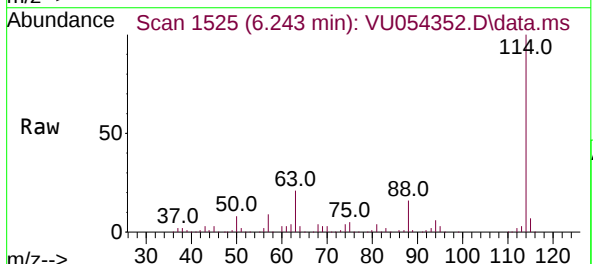
Tgt Ion:114 Resp: 357967

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.8

88 16.0 0.0 29.2





#35

Dibromofluoromethane

Concen: 53.663 ug/l

RT: 5.282 min Scan# 113

Delta R.T. -0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

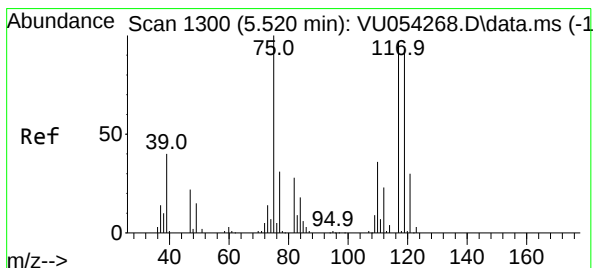
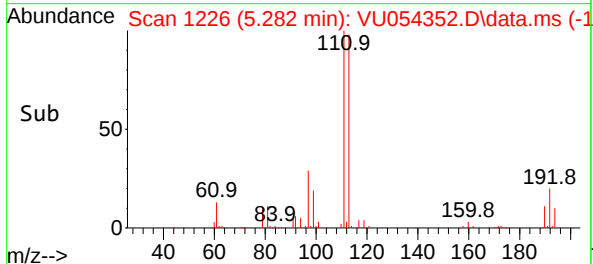
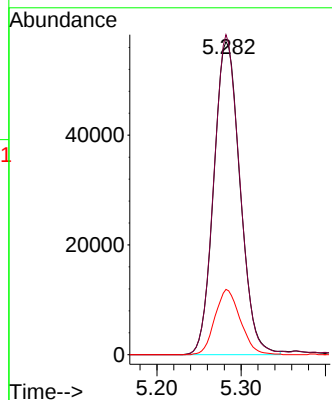
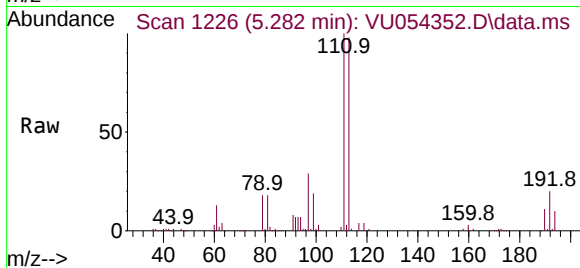
Tgt Ion:113 Resp: 123705

Ion Ratio Lower Upper

113 100

111 100.2 82.1 123.1

192 20.1 18.0 27.0



#36

1,1-Dichloropropene

Concen: 47.223 ug/l

RT: 5.520 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

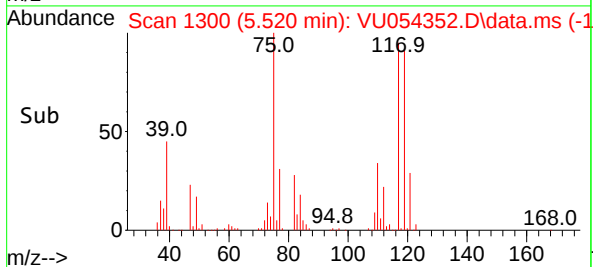
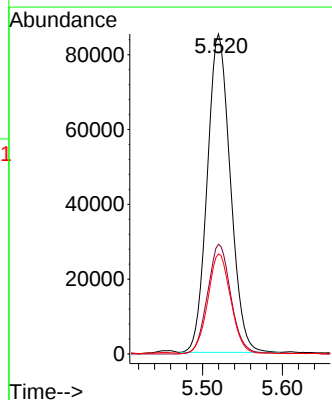
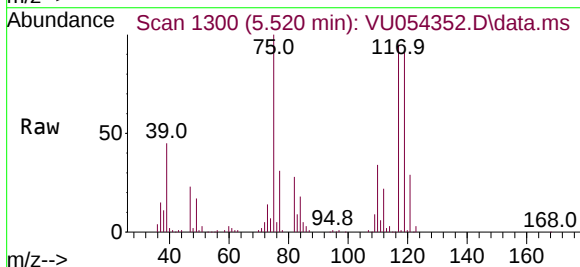
Tgt Ion: 75 Resp: 170983

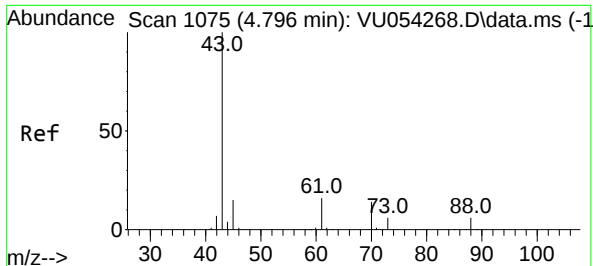
Ion Ratio Lower Upper

75 100

110 34.8 18.4 55.2

77 30.9 25.1 37.7





#37

Ethyl Acetate

Concen: 48.995 ug/l

RT: 4.796 min Scan# 1075

Delta R.T. 0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

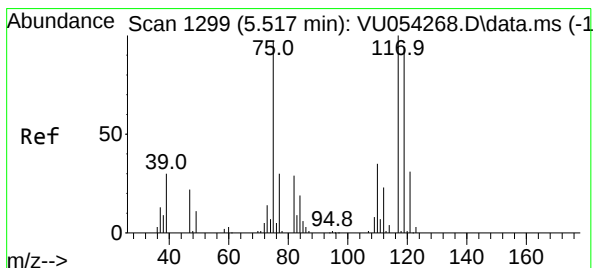
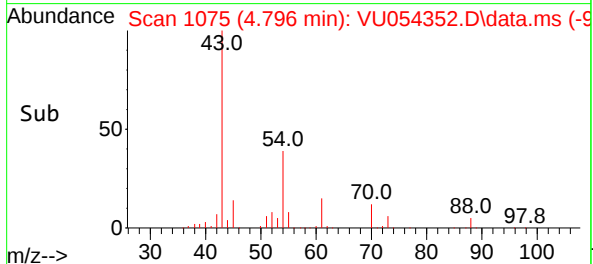
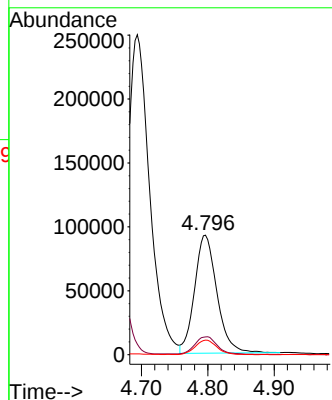
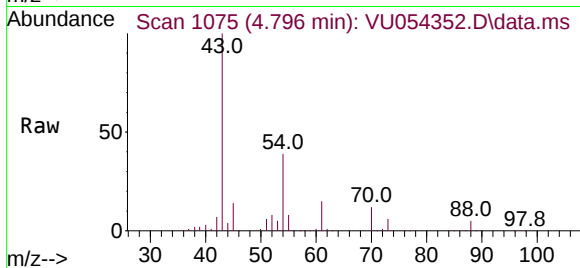
Tgt Ion: 43 Resp: 216198

Ion Ratio Lower Upper

43 100

61 15.1 9.5 14.3#

70 12.0 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 48.624 ug/l

RT: 5.517 min Scan# 1299

Delta R.T. -0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

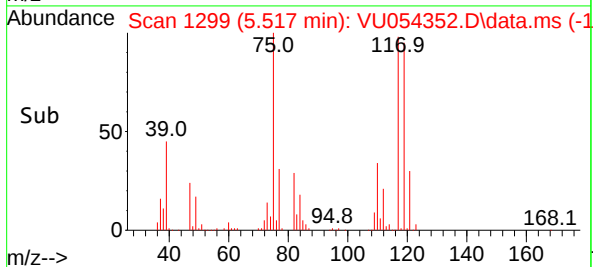
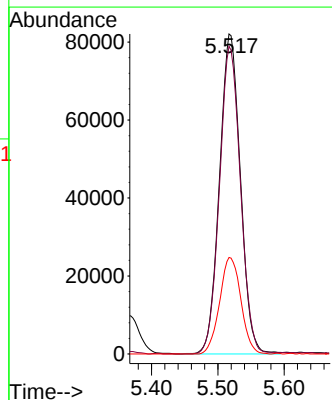
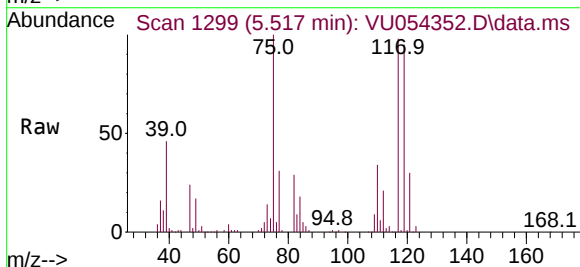
Tgt Ion: 117 Resp: 180201

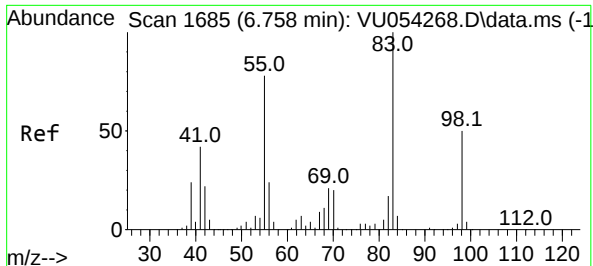
Ion Ratio Lower Upper

117 100

119 96.1 76.8 115.2

121 30.2 24.7 37.1





#39

Methylcyclohexane

Concen: 48.139 ug/l

RT: 6.758 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

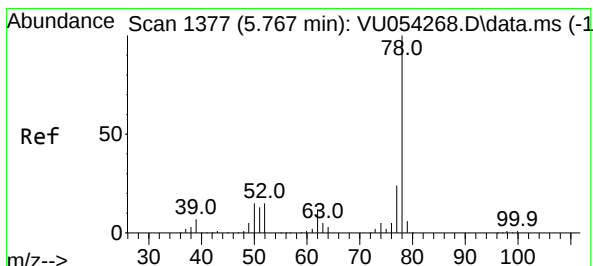
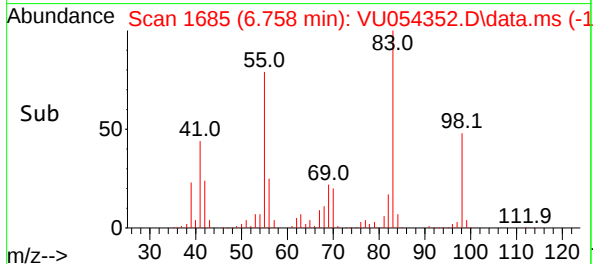
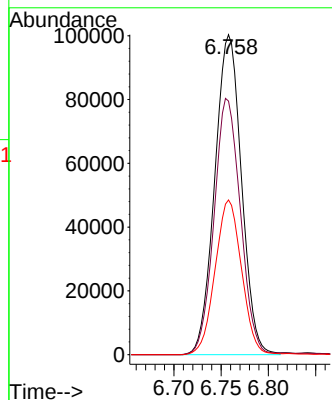
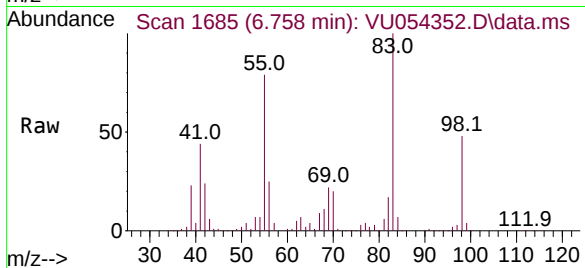
Tgt Ion: 83 Resp: 197422

Ion Ratio Lower Upper

83 100

55 79.3 55.3 82.9

98 48.4 37.3 55.9



#40

Benzene

Concen: 51.605 ug/l

RT: 5.767 min Scan# 1377

Delta R.T. 0.000 min

Lab File: VU054352.D

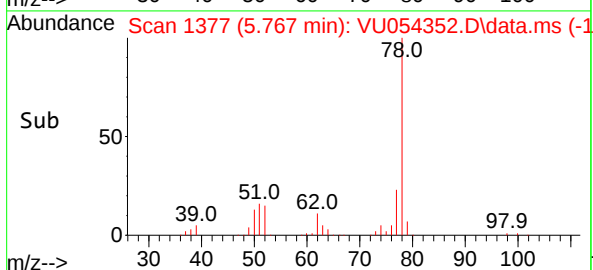
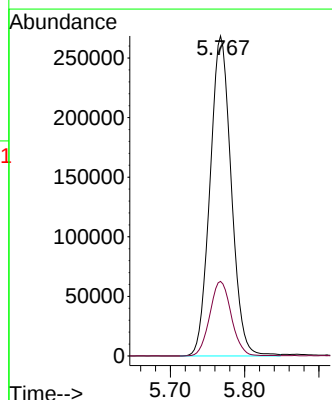
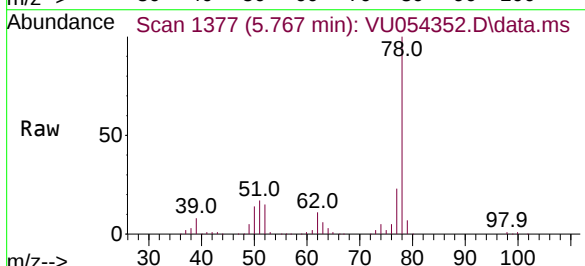
Acq: 31 May 2023 20:58

Tgt Ion: 78 Resp: 532962

Ion Ratio Lower Upper

78 100

77 23.3 18.8 28.2



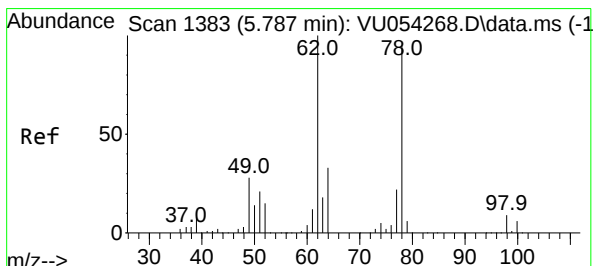
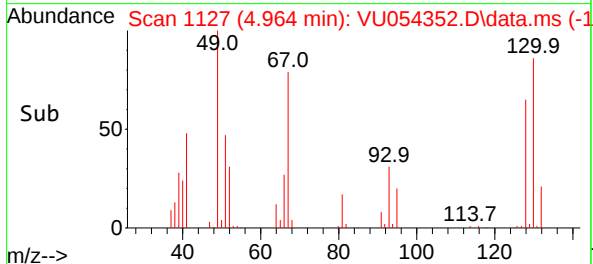
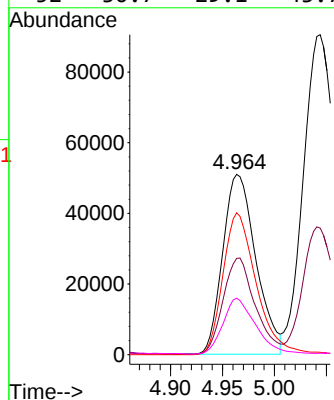
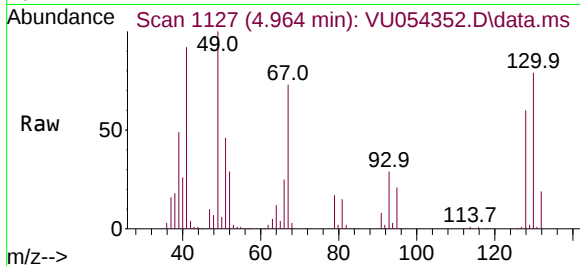


#41
Methacrylonitrile
Concen: 55.444 ug/l
RT: 4.964 min Scan# 1127
Delta R.T. -0.003 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 113072

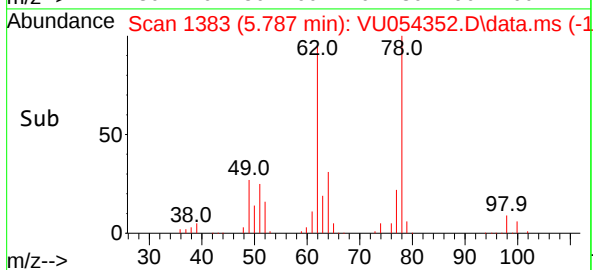
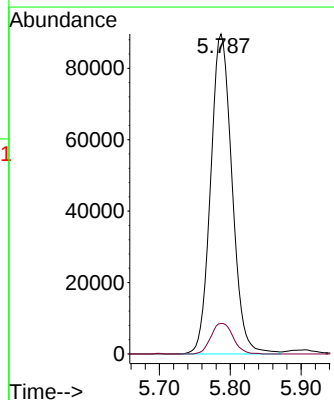
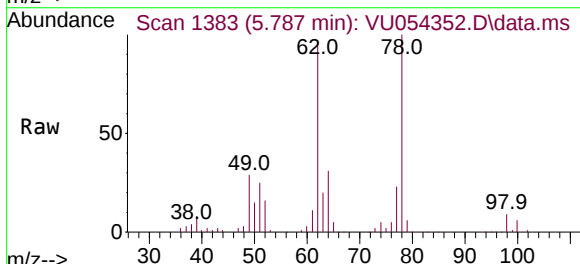
Ion	Ratio	Lower	Upper
41	100		
39	52.0	43.1	64.7
67	79.7	72.3	108.5
52	30.7	29.1	43.7



#42
1,2-Dichloroethane
Concen: 50.126 ug/l
RT: 5.787 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion: 62 Resp: 188062

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.6





#43

Isopropyl Acetate

Concen: 52.910 ug/l

RT: 5.906 min Scan# 1419

Delta R.T. 0.003 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

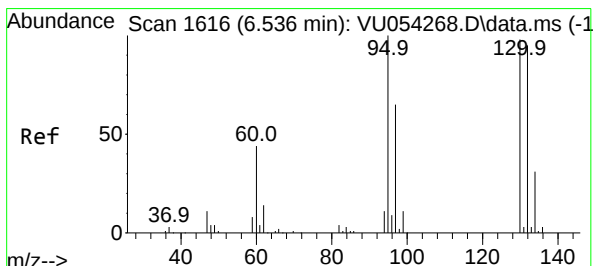
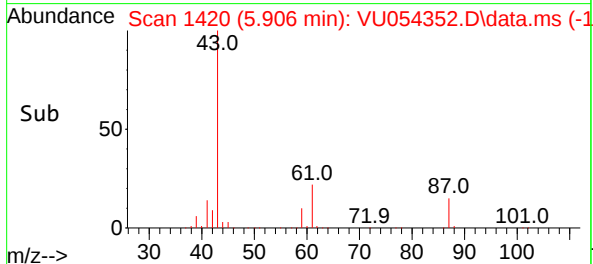
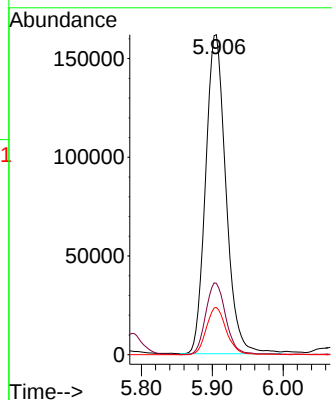
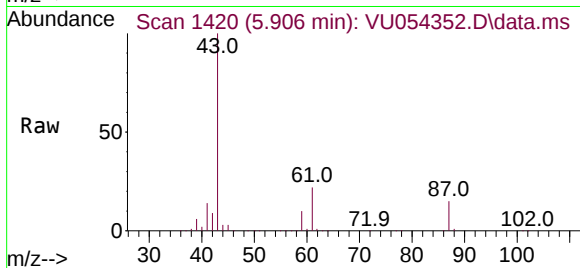
Tgt Ion: 43 Resp: 322045

Ion Ratio Lower Upper

43 100

61 22.3 17.4 26.0

87 14.5 12.6 18.8



#44

Trichloroethene

Concen: 47.199 ug/l

RT: 6.536 min Scan# 1616

Delta R.T. -0.000 min

Lab File: VU054352.D

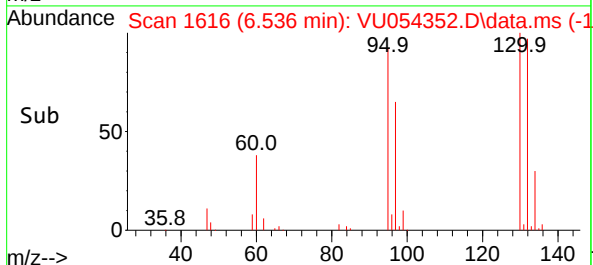
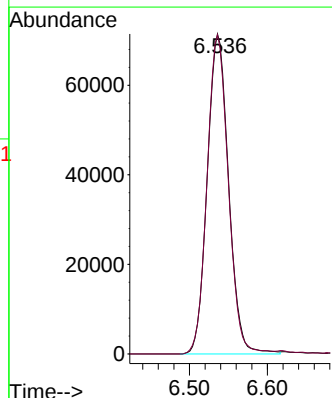
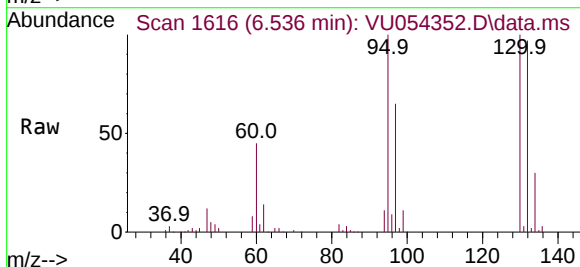
Acq: 31 May 2023 20:58

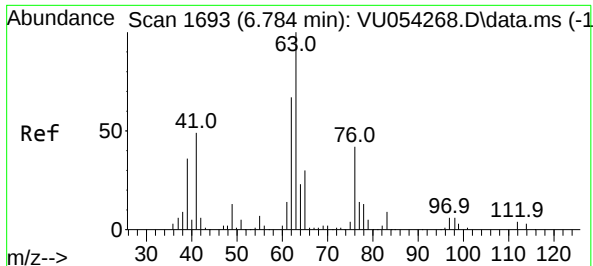
Tgt Ion:130 Resp: 136262

Ion Ratio Lower Upper

130 100

95 99.7 0.0 184.6





#45

1,2-Dichloropropane

Concen: 53.405 ug/l

RT: 6.784 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

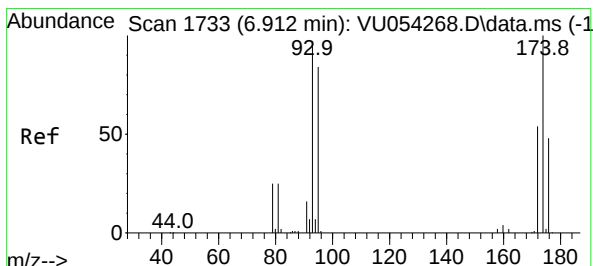
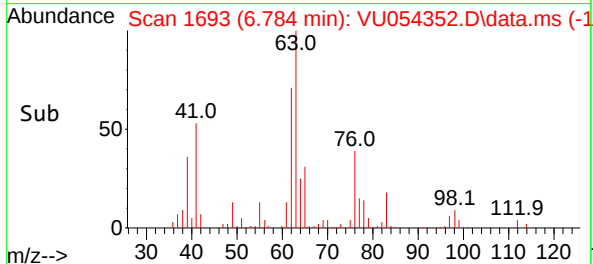
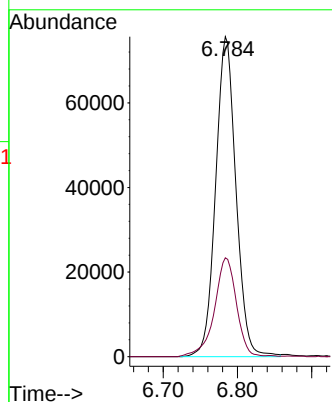
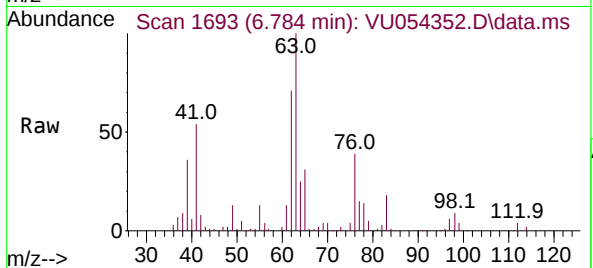
VSTDCCC050EC

Tgt Ion: 63 Resp: 143887

Ion Ratio Lower Upper

63 100

65 30.8 25.0 37.4



#46

Dibromomethane

Concen: 50.851 ug/l

RT: 6.912 min Scan# 1733

Delta R.T. 0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

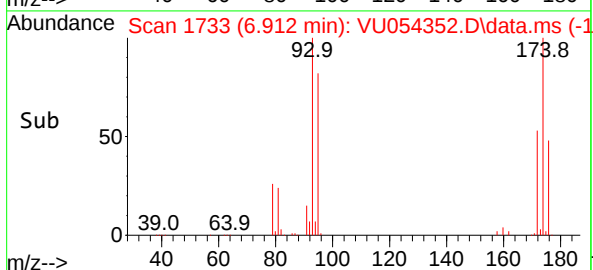
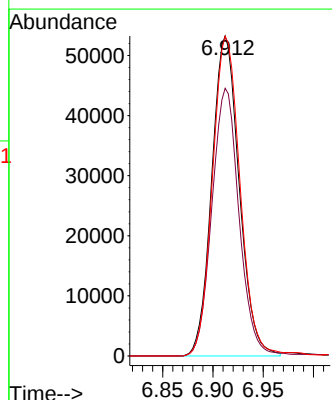
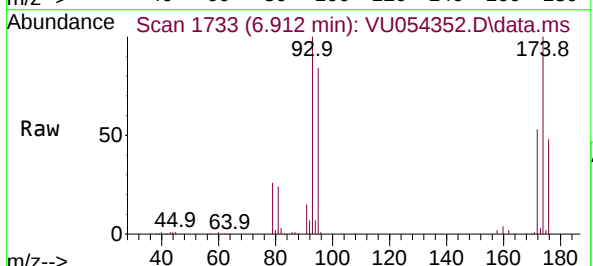
Tgt Ion: 93 Resp: 100849

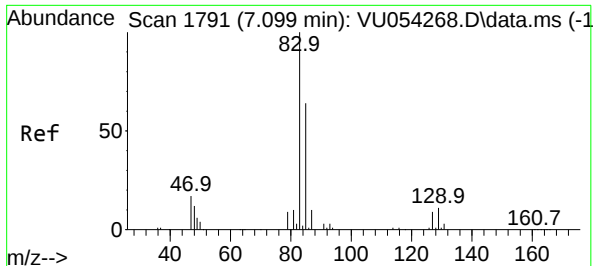
Ion Ratio Lower Upper

93 100

95 83.1 66.3 99.5

174 101.1 88.2 132.4

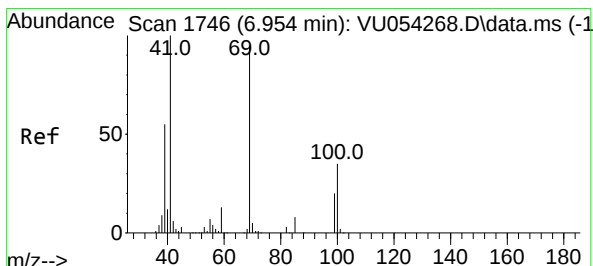
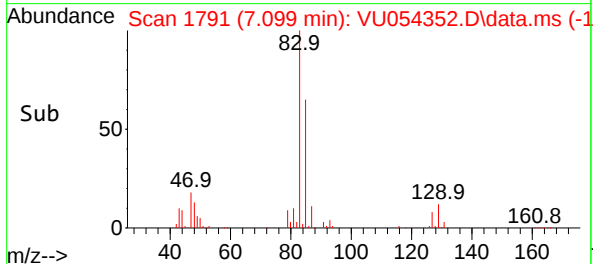
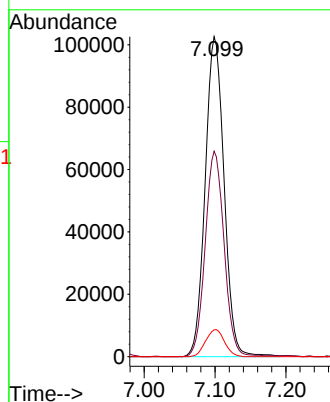
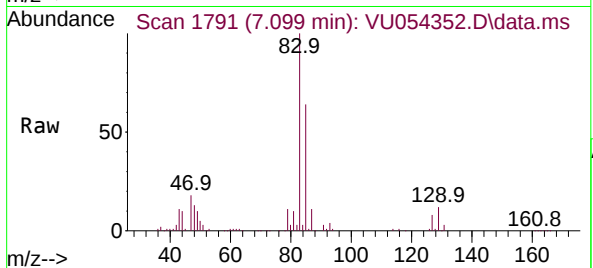




#47
Bromodichloromethane
Concen: 51.246 ug/l
RT: 7.099 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

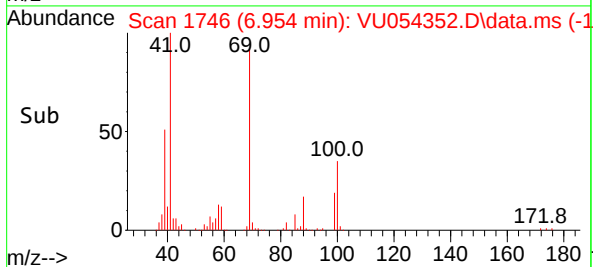
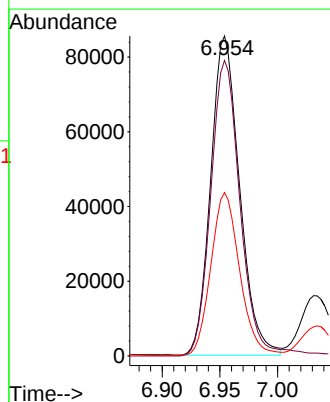
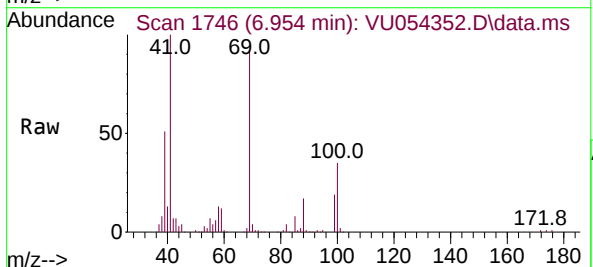
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

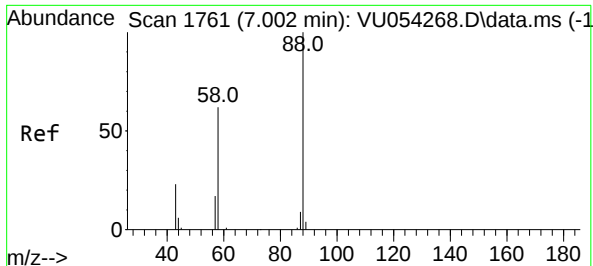
Tgt Ion: 83 Resp: 190064
Ion Ratio Lower Upper
83 100
85 64.1 51.4 77.2
127 8.4 7.1 10.7



#48
Methyl methacrylate
Concen: 55.154 ug/l
RT: 6.954 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion: 41 Resp: 148875
Ion Ratio Lower Upper
41 100
69 94.8 79.8 119.6
39 50.6 47.9 71.9





#49

1,4-Dioxane

Concen: 1093.319 ug/l

RT: 6.973 min Scan# 1

Delta R.T. -0.029 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

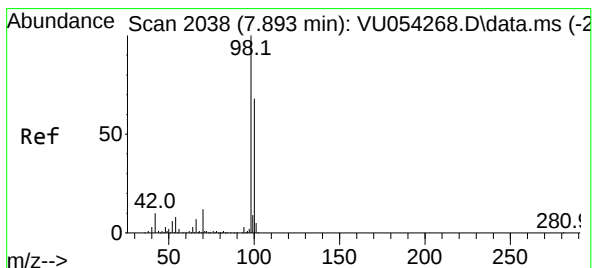
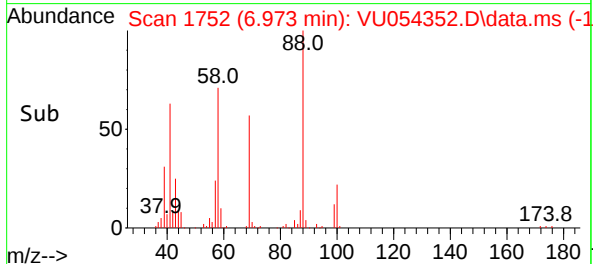
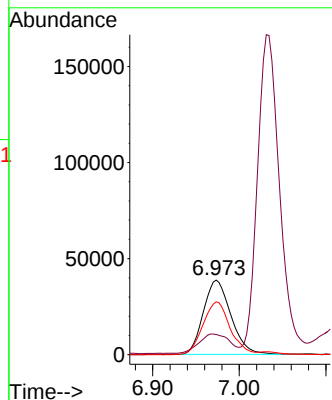
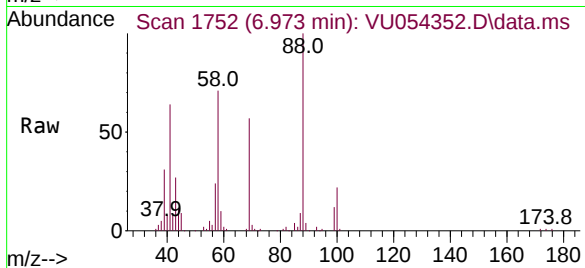
Tgt Ion: 88 Resp: 85197

Ion Ratio Lower Upper

88 100

43 28.5 0.0 0.0#

58 70.6 15.4 23.0#



#50

Toluene-d8

Concen: 51.742 ug/l

RT: 7.893 min Scan# 2038

Delta R.T. -0.000 min

Lab File: VU054352.D

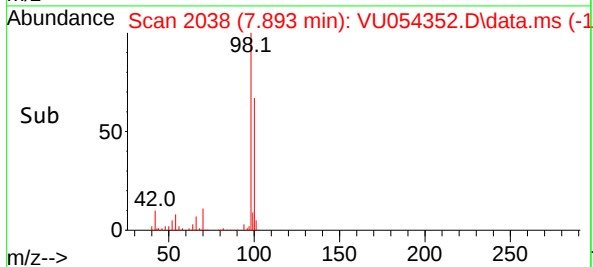
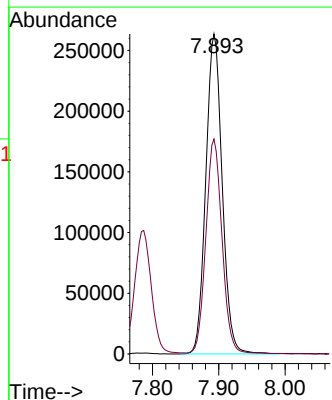
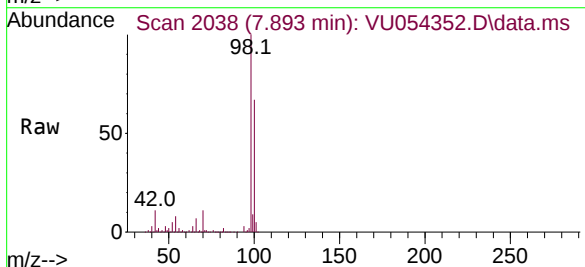
Acq: 31 May 2023 20:58

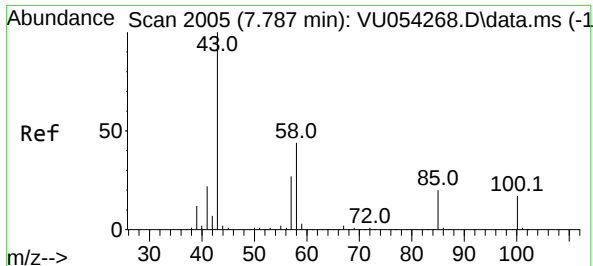
Tgt Ion: 98 Resp: 453689

Ion Ratio Lower Upper

98 100

100 66.1 51.7 77.5

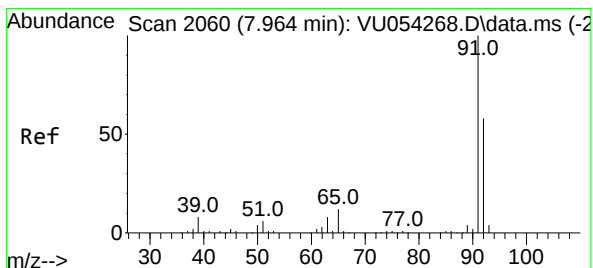
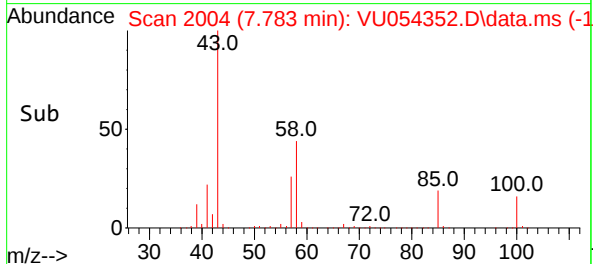
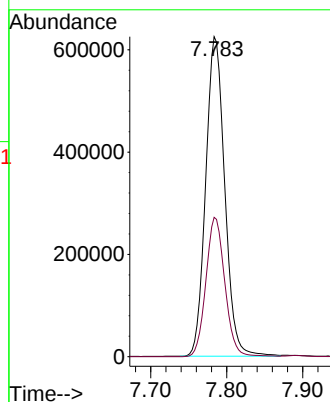
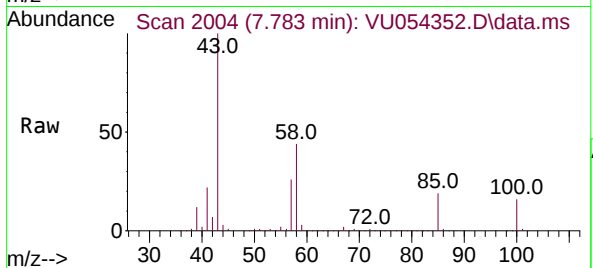




#51
4-Methyl-2-Pentanone
Concen: 267.595 ug/l
RT: 7.783 min Scan# 2004
Delta R.T. -0.004 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

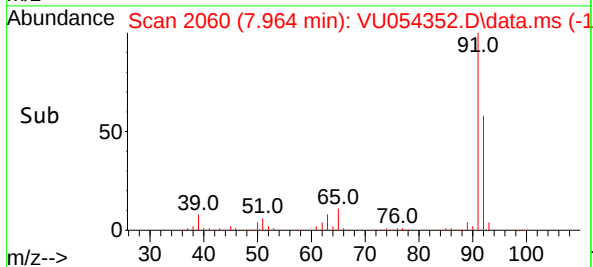
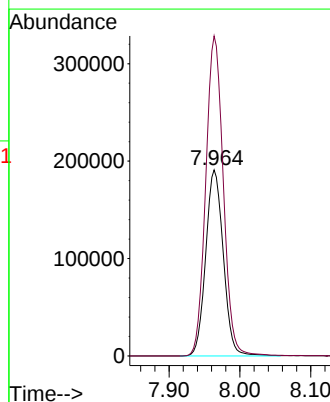
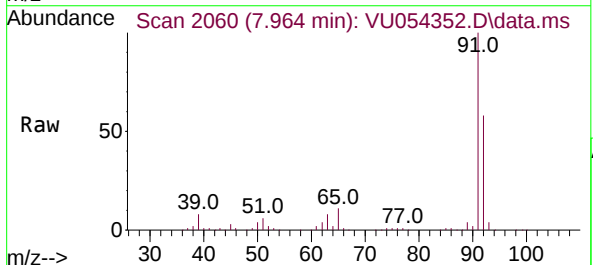
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

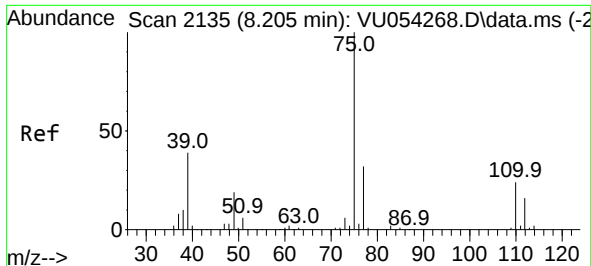
Tgt Ion: 43 Resp: 1086928
Ion Ratio Lower Upper
43 100
58 43.5 34.7 52.1



#52
Toluene
Concen: 49.980 ug/l
RT: 7.964 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion: 92 Resp: 329135
Ion Ratio Lower Upper
92 100
91 171.7 138.2 207.4





#53

t-1,3-Dichloropropene

Concen: 50.030 ug/l

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

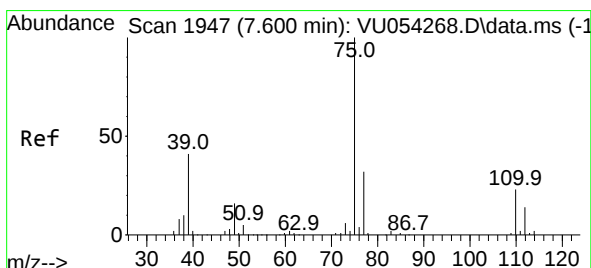
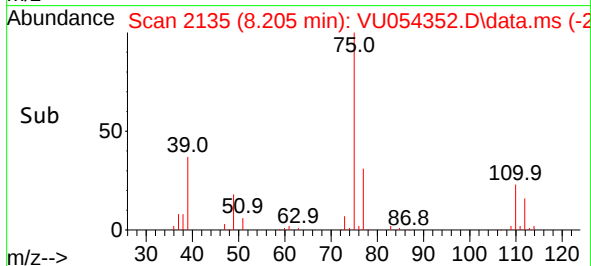
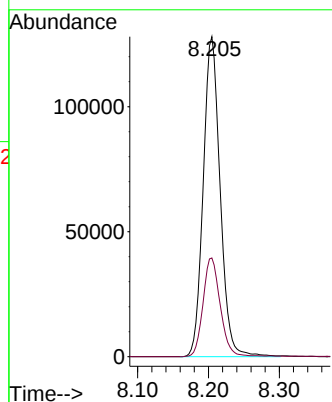
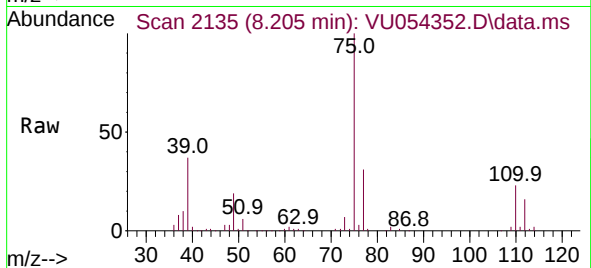
VSTDCCC050EC

Tgt Ion: 75 Resp: 212289

Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 50.872 ug/l

RT: 7.600 min Scan# 1947

Delta R.T. 0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

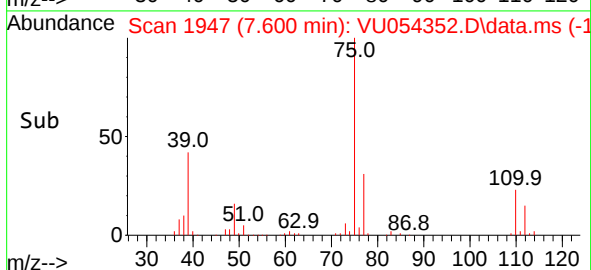
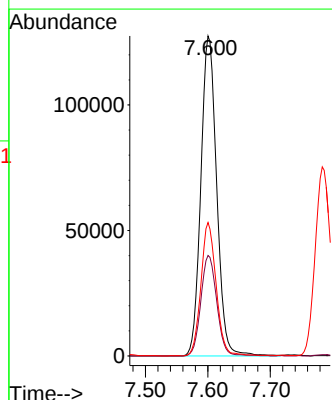
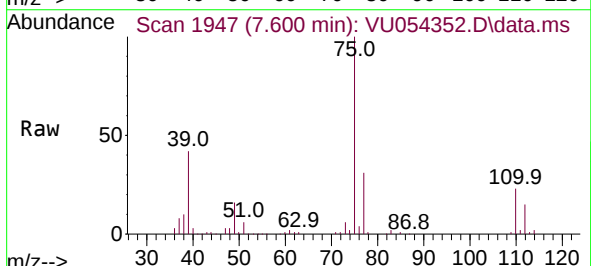
Tgt Ion: 75 Resp: 225273

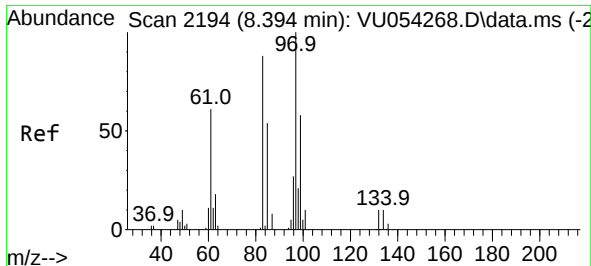
Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5

39 41.6 33.0 49.6

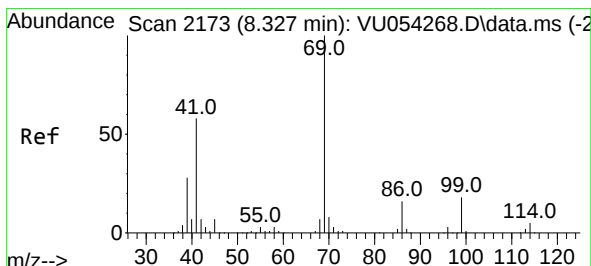
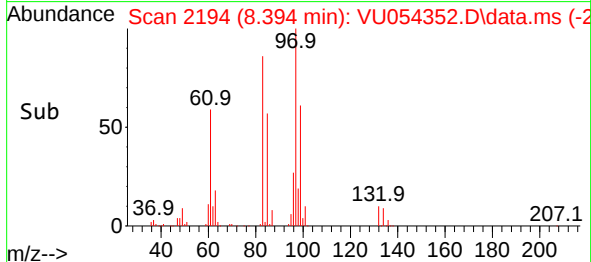
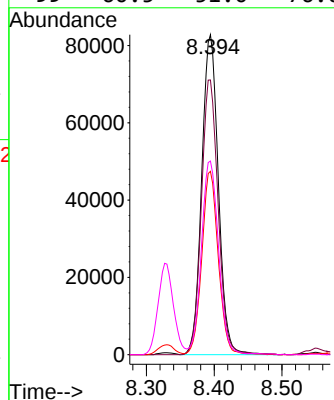
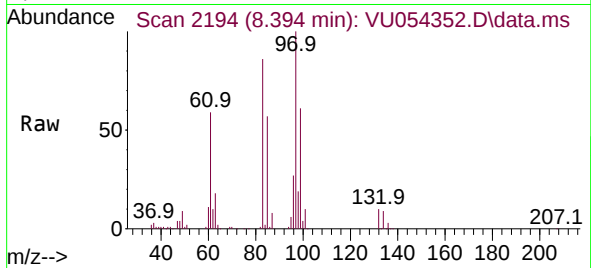




#55
1,1,2-Trichloroethane
Concen: 51.771 ug/l
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

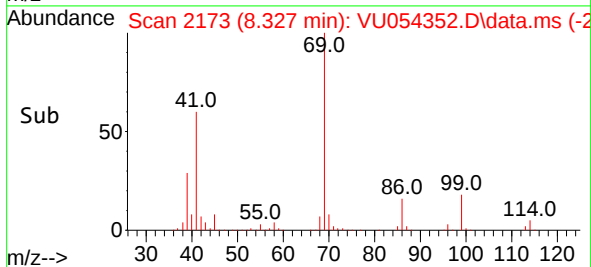
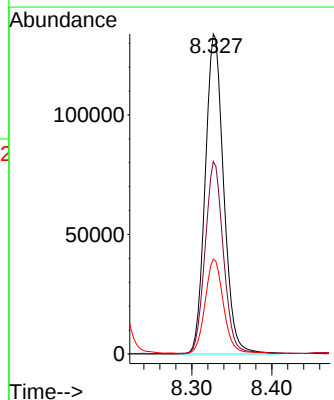
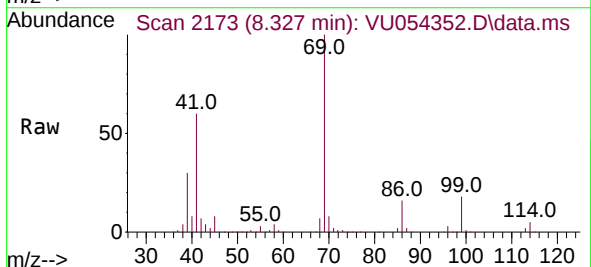
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

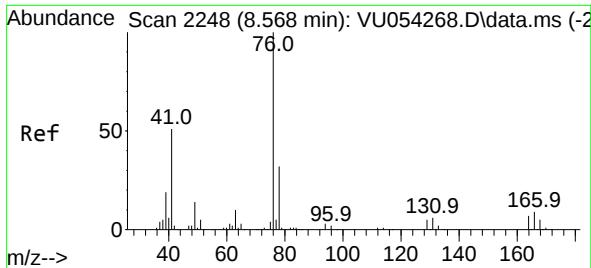
Tgt Ion:	97	Resp:	141289
Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.2	105.4
85	57.3	44.6	66.8
99	60.5	51.0	76.6



#56
Ethyl methacrylate
Concen: 52.979 ug/l
RT: 8.327 min Scan# 2173
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion:	69	Resp:	215222
Ion	Ratio	Lower	Upper
69	100		
41	59.7	45.4	68.0
39	29.1	25.7	38.5





#57

1,3-Dichloropropane

Concen: 51.329 ug/l

RT: 8.568 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

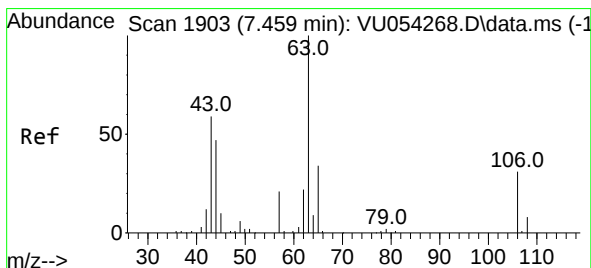
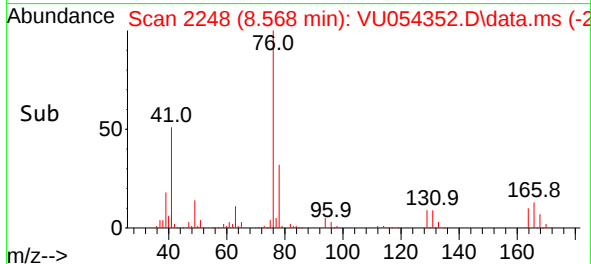
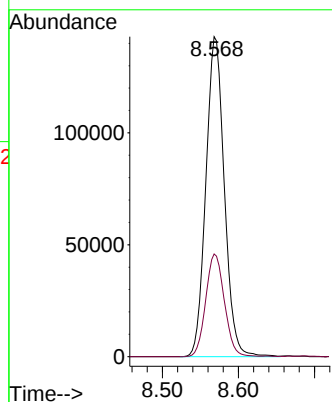
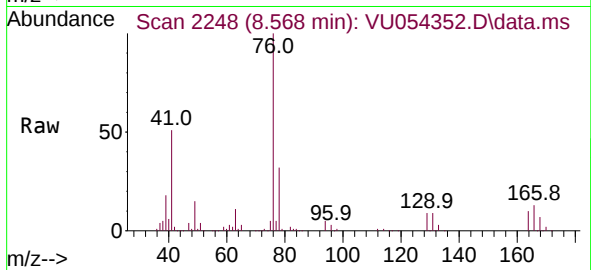
VSTDCCC050EC

Tgt Ion: 76 Resp: 241238

Ion Ratio Lower Upper

76 100

78 32.4 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 416.288 ug/l

RT: 7.459 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VU054352.D

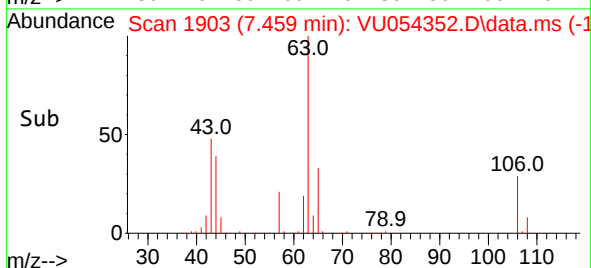
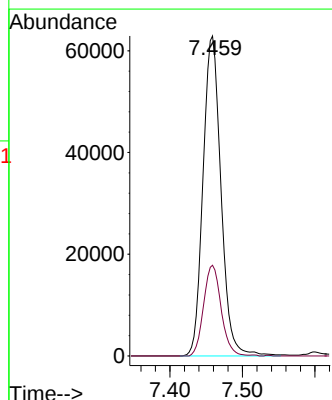
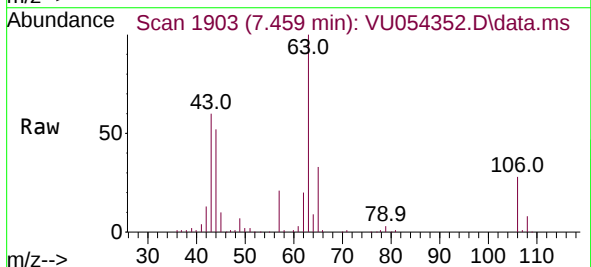
Acq: 31 May 2023 20:58

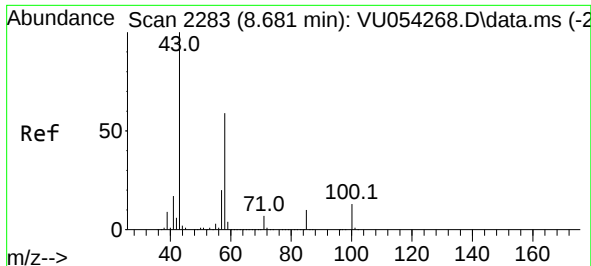
Tgt Ion: 63 Resp: 108426

Ion Ratio Lower Upper

63 100

106 27.6 23.1 34.7

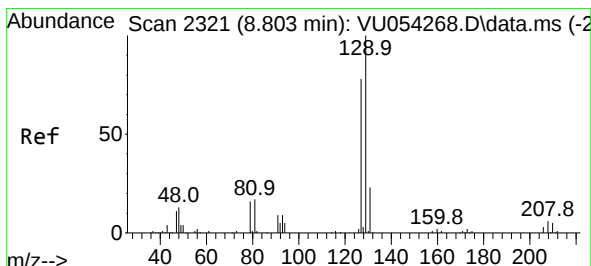
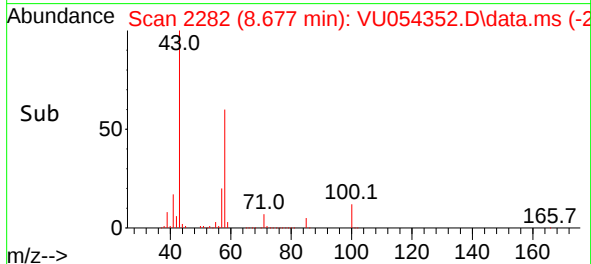
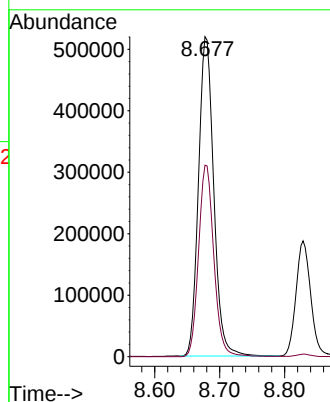
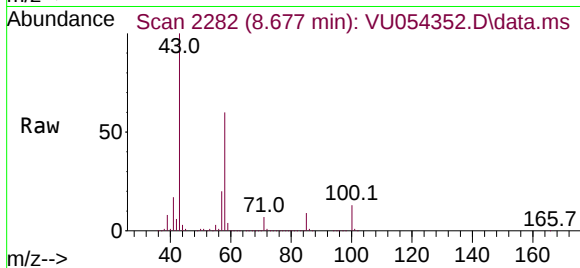




#59
2-Hexanone
Concen: 264.745 ug/l
RT: 8.677 min Scan# 21
Delta R.T. -0.004 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

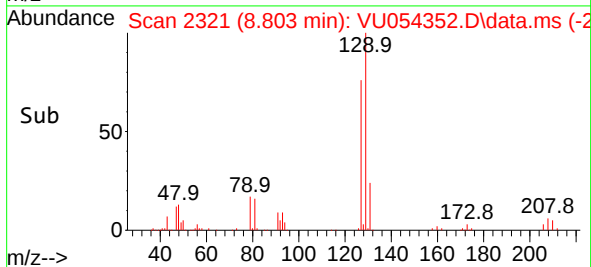
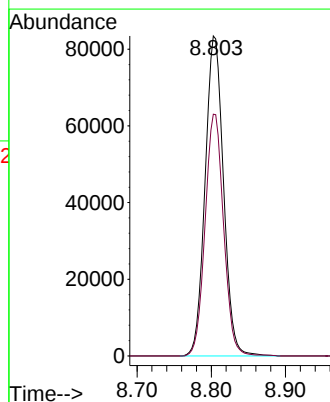
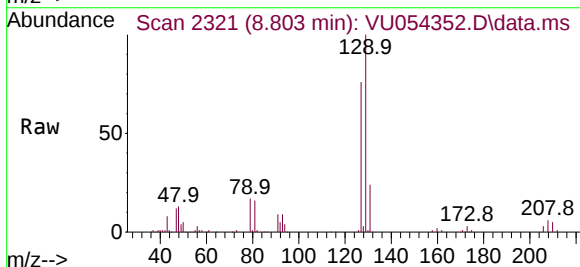
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

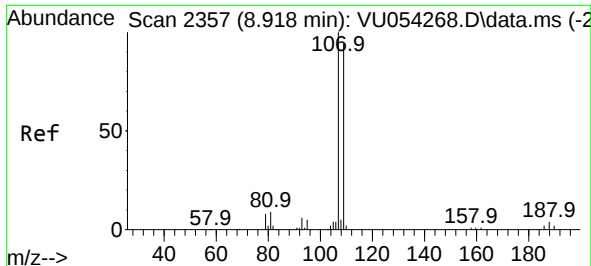
Tgt Ion: 43 Resp: 849474
Ion Ratio Lower Upper
43 100
58 60.1 30.3 90.8



#60
Dibromochloromethane
Concen: 51.696 ug/l
RT: 8.803 min Scan# 2321
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion: 129 Resp: 143340
Ion Ratio Lower Upper
129 100
127 75.9 38.6 116.0

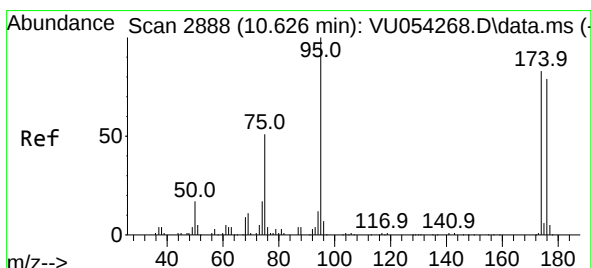
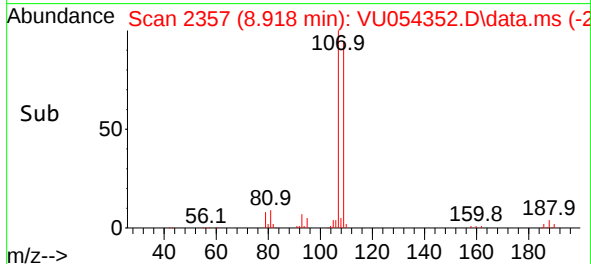
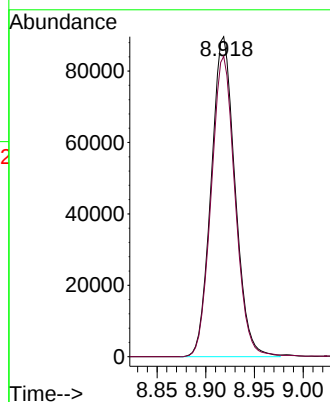
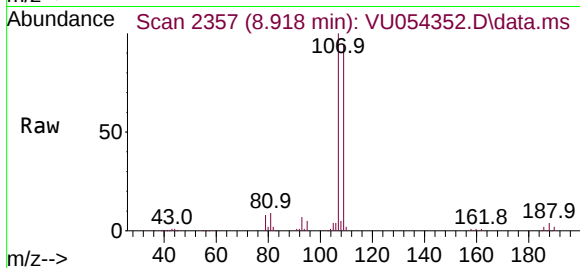




#61
1,2-Dibromoethane
Concen: 51.464 ug/l
RT: 8.918 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

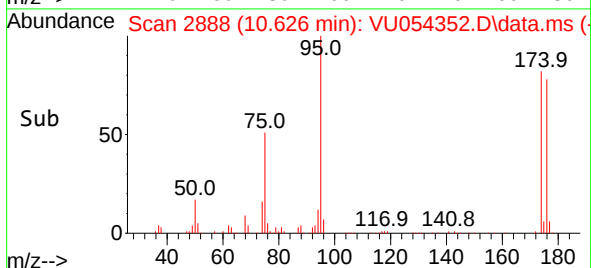
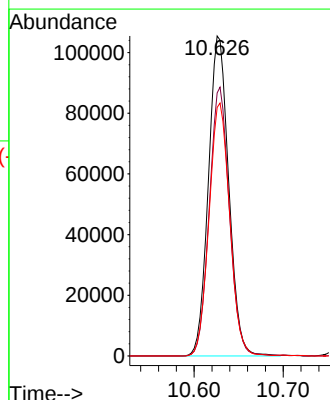
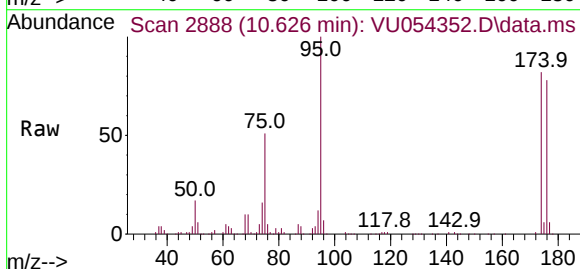
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

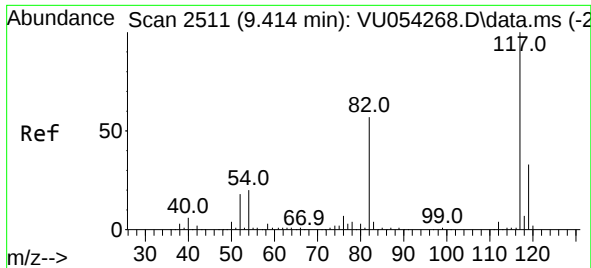
Tgt Ion:107 Resp: 152857
Ion Ratio Lower Upper
107 100
109 93.8 75.1 112.7



#62
4-Bromofluorobenzene
Concen: 49.057 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion: 95 Resp: 166788
Ion Ratio Lower Upper
95 100
174 83.0 0.0 182.0
176 80.4 0.0 177.8

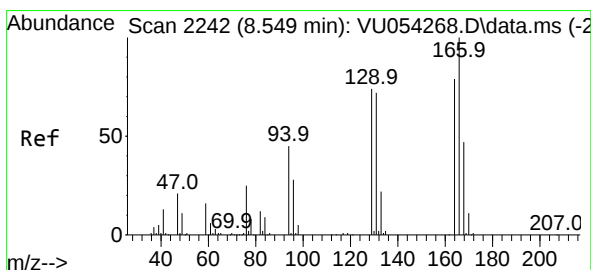
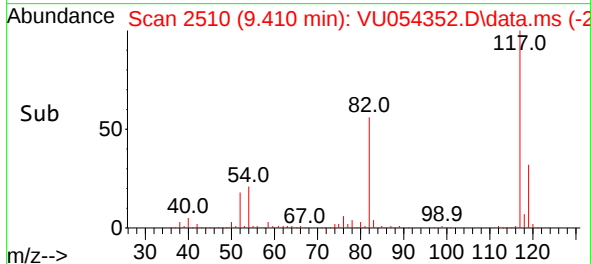
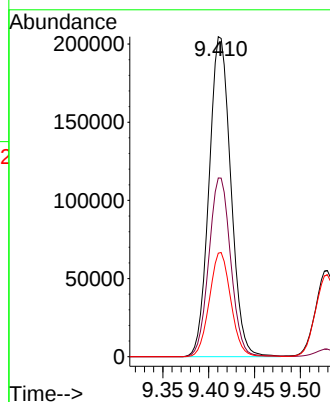
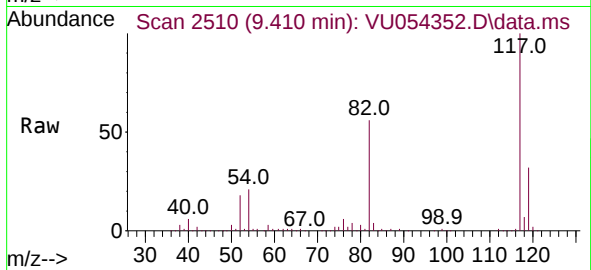




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.410 min Scan# 2511
Delta R.T. -0.004 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

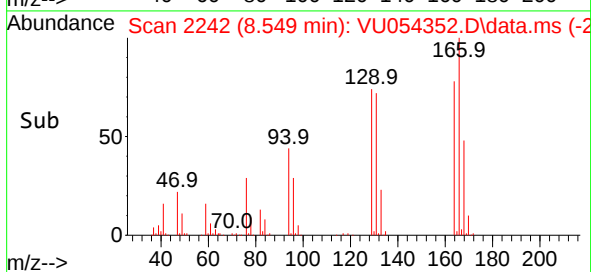
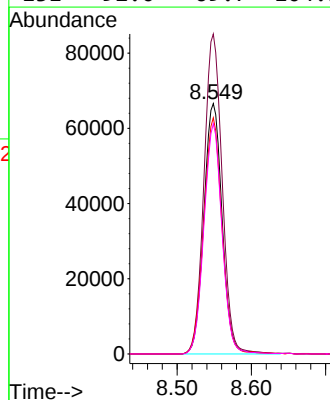
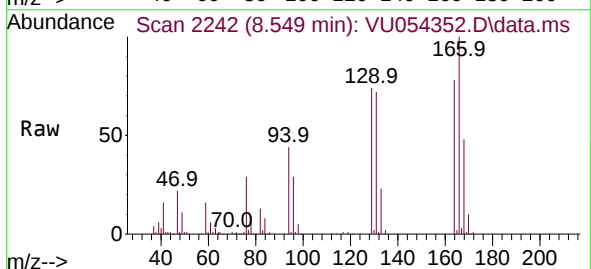
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

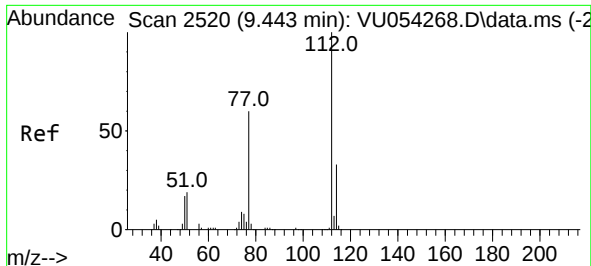
Tgt Ion:117 Resp: 338501
Ion Ratio Lower Upper
117 100
82 55.8 41.7 62.5
119 32.4 25.7 38.5



#64
Tetrachloroethene
Concen: 44.743 ug/l
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion:164 Resp: 113988
Ion Ratio Lower Upper
164 100
166 127.8 100.0 150.0
129 94.3 72.0 108.0
131 92.0 69.7 104.5

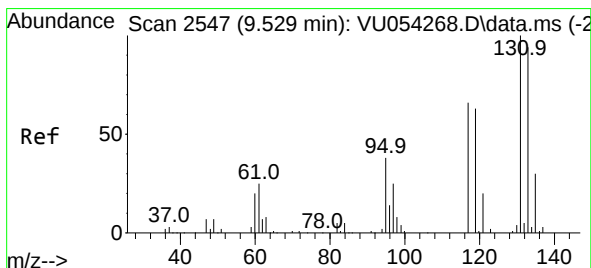
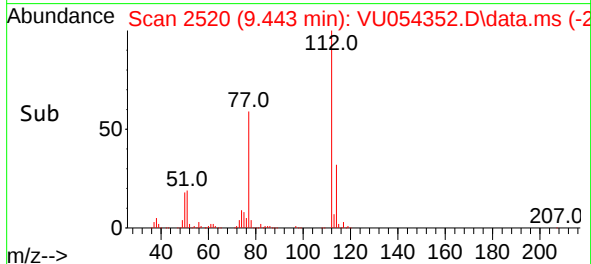
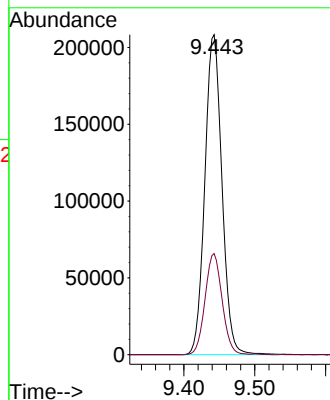
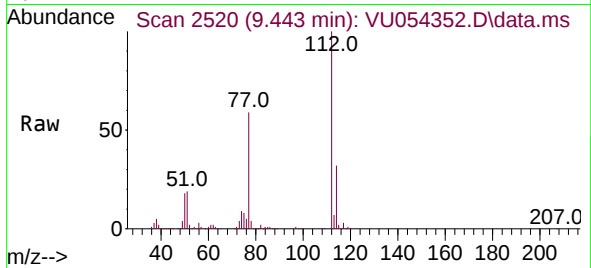




#65
Chlorobenzene
Concen: 49.390 ug/l
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

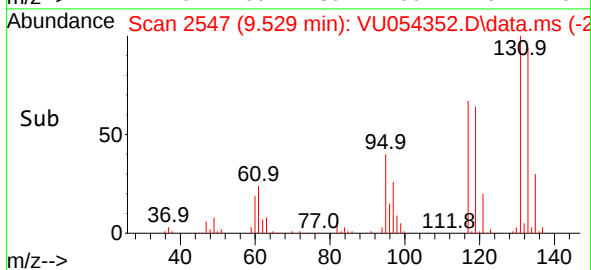
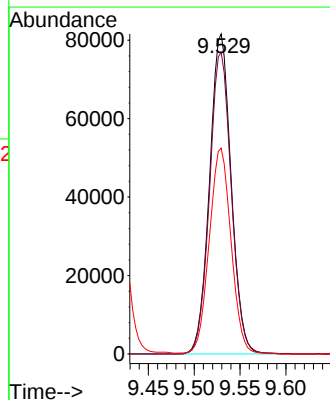
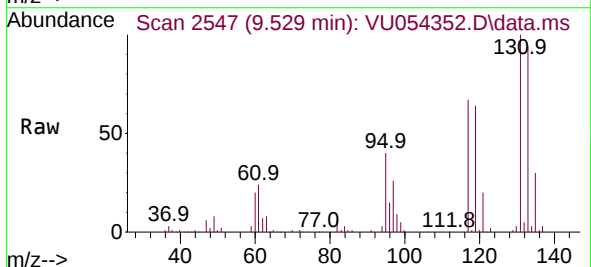
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

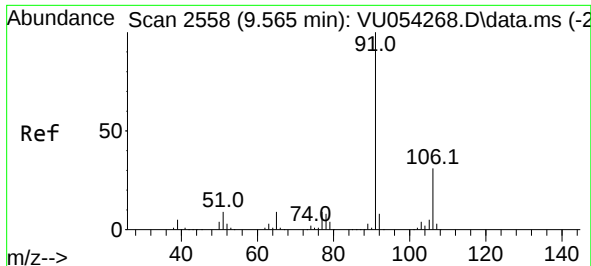
Tgt Ion:112 Resp: 349511
Ion Ratio Lower Upper
112 100
114 31.6 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 52.116 ug/l
RT: 9.529 min Scan# 2547
Delta R.T. 0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion:131 Resp: 133793
Ion Ratio Lower Upper
131 100
133 94.8 48.4 145.0
119 65.0 33.9 101.6





#67

Ethyl Benzene

Concen: 50.868 ug/l

RT: 9.565 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

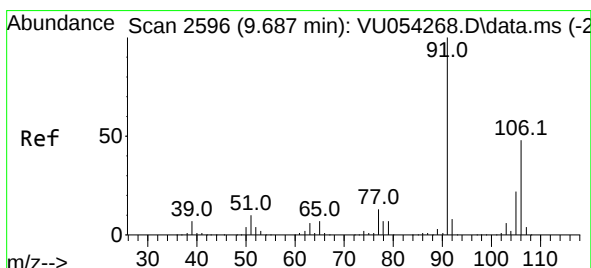
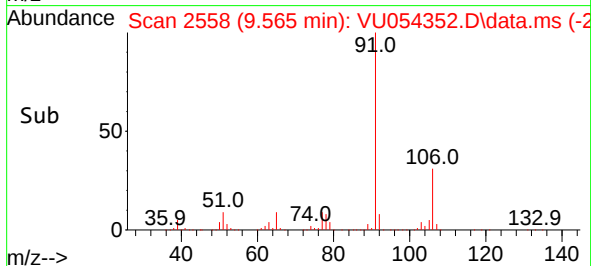
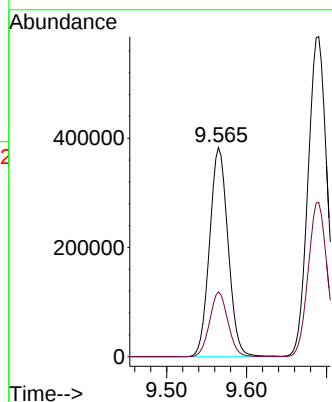
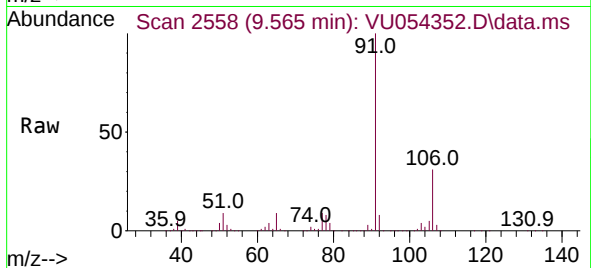
VSTDCCC050EC

Tgt Ion: 91 Resp: 615421

Ion Ratio Lower Upper

91 100

106 31.0 25.6 38.4



#68

m/p-Xylenes

Concen: 103.033 ug/l

RT: 9.690 min Scan# 2597

Delta R.T. 0.003 min

Lab File: VU054352.D

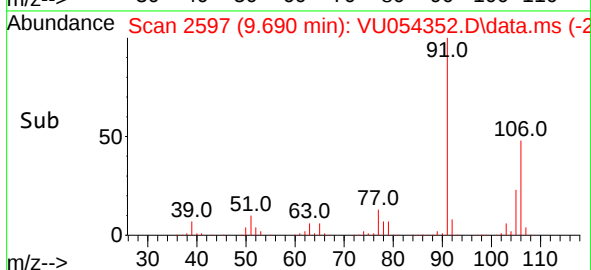
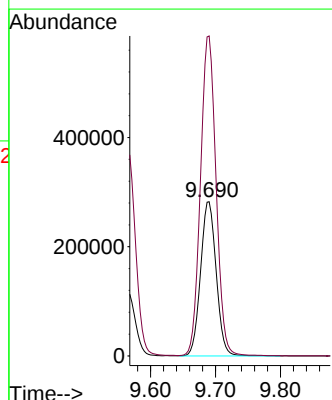
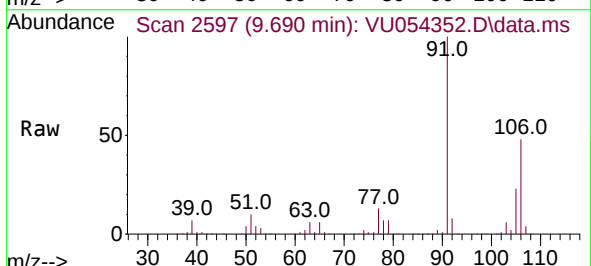
Acq: 31 May 2023 20:58

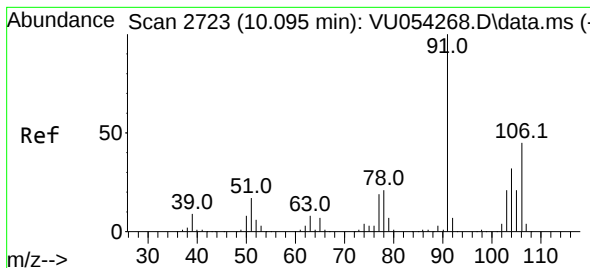
Tgt Ion:106 Resp: 472495

Ion Ratio Lower Upper

106 100

91 208.3 157.2 235.8

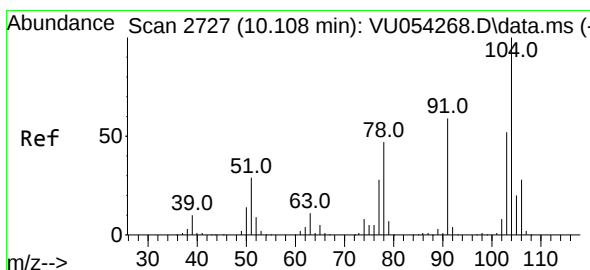
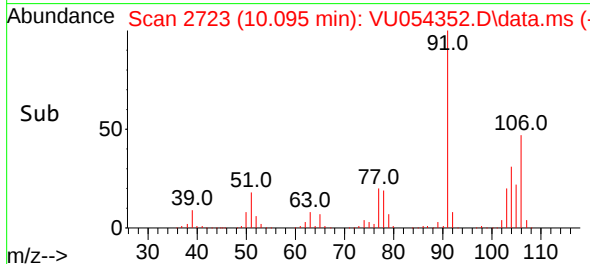
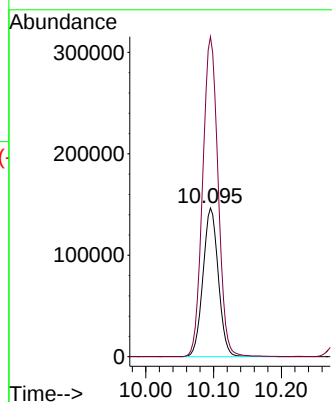
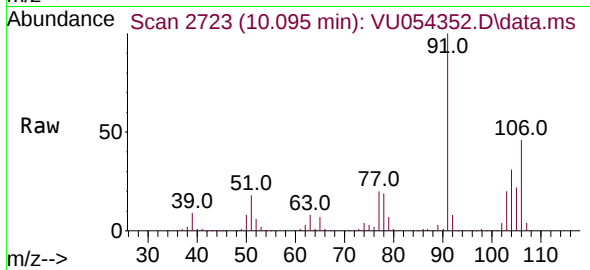




#69
o-Xylene
Concen: 51.897 ug/l
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

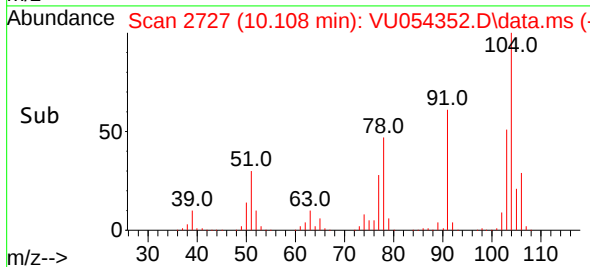
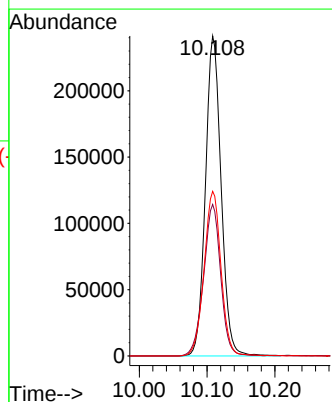
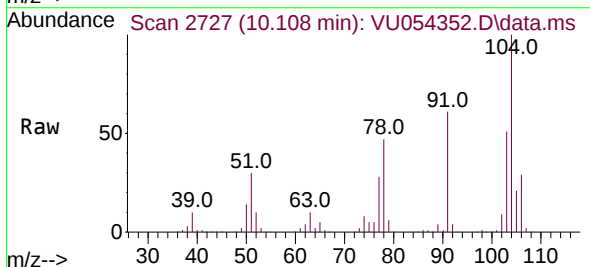
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

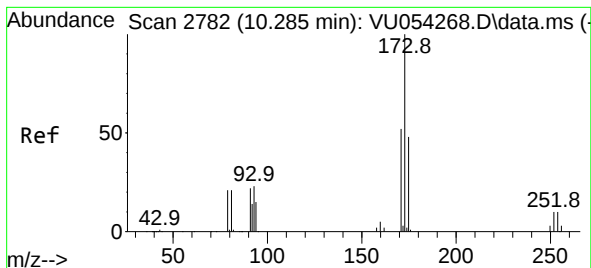
Tgt Ion:106 Resp: 230386
Ion Ratio Lower Upper
106 100
91 216.7 103.5 310.5



#70
Styrene
Concen: 52.725 ug/l
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion:104 Resp: 388156
Ion Ratio Lower Upper
104 100
78 51.4 38.0 57.0
103 55.7 43.9 65.9





#71

Bromoform

Concen: 51.705 ug/l

RT: 10.285 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

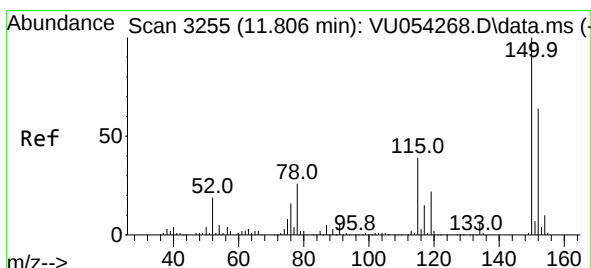
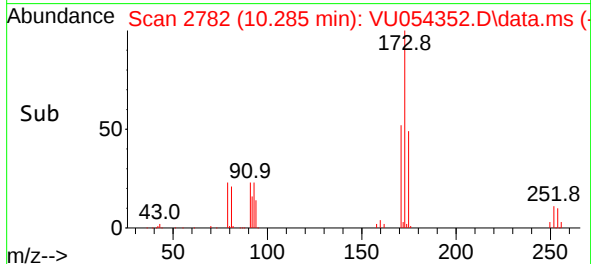
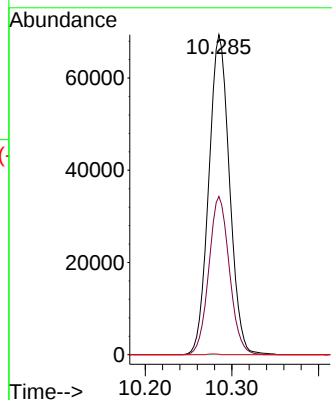
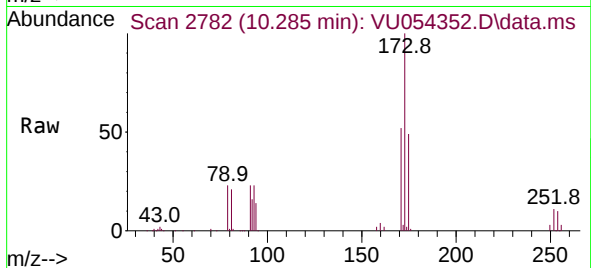
Tgt Ion:173 Resp: 115346

Ion Ratio Lower Upper

173 100

175 49.1 24.1 72.2

254 0.1 0.1 0.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.806 min Scan# 3255

Delta R.T. -0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

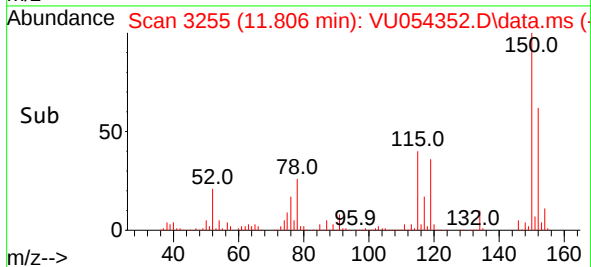
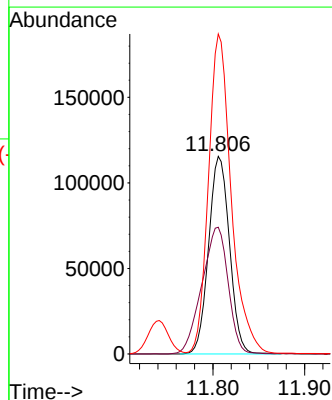
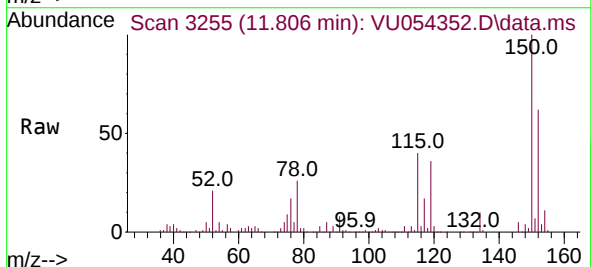
Tgt Ion:152 Resp: 182699

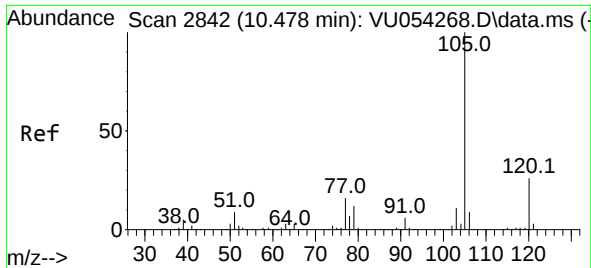
Ion Ratio Lower Upper

152 100

115 80.7 37.0 110.9

150 175.8 0.0 342.2

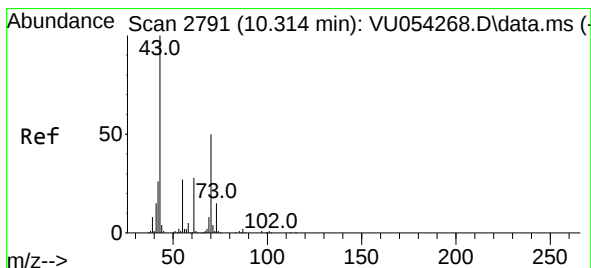
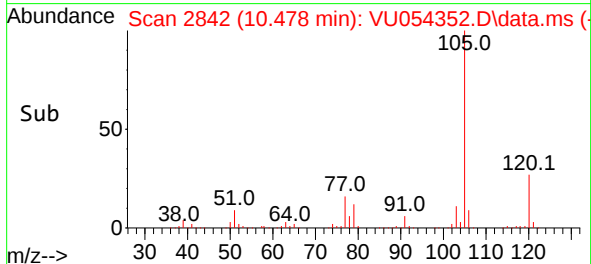
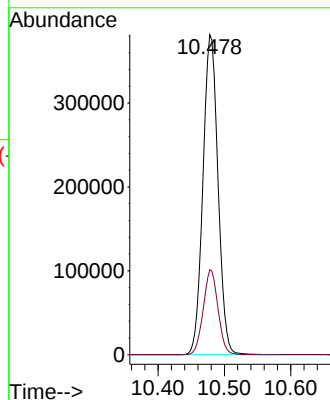
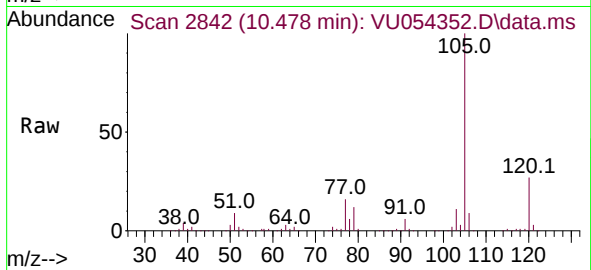




#73
Isopropylbenzene
Concen: 53.112 ug/l
RT: 10.478 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

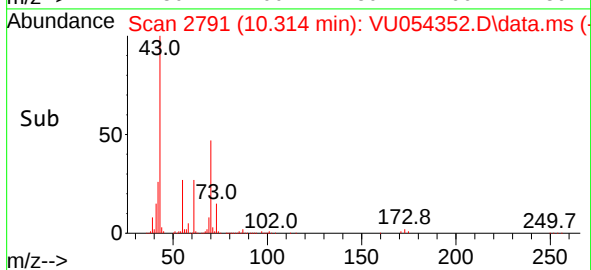
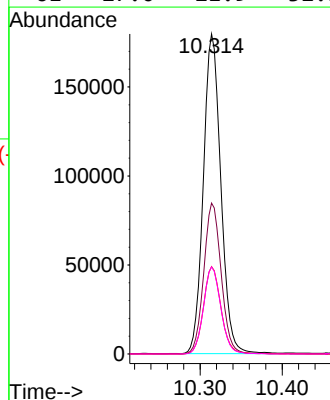
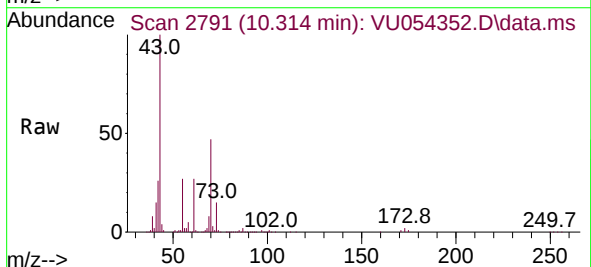
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

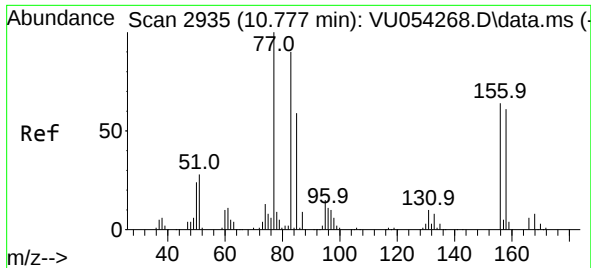
Tgt Ion:105 Resp: 600955
Ion Ratio Lower Upper
105 100
120 25.9 13.8 41.4



#74
N-ethyl acetate
Concen: 55.411 ug/l
RT: 10.314 min Scan# 2791
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion: 43 Resp: 266216
Ion Ratio Lower Upper
43 100
70 47.0 38.7 58.1
55 27.3 21.8 32.8
61 27.0 21.9 32.9

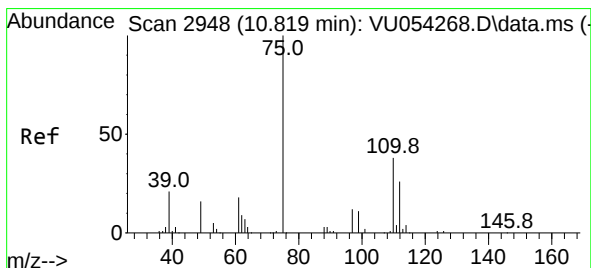
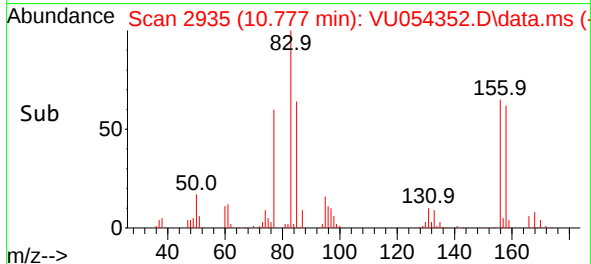
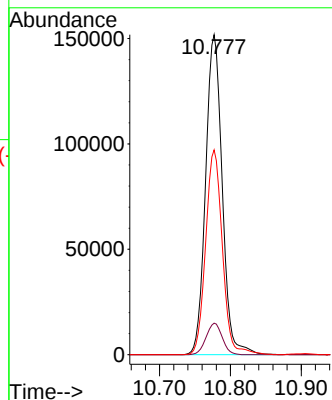
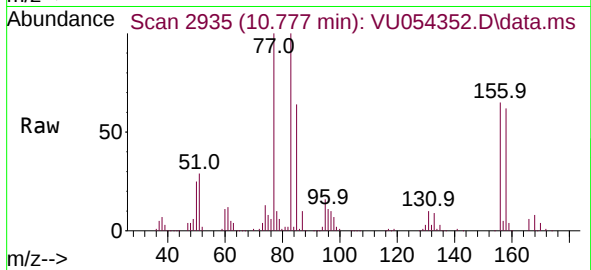




#75
1,1,2,2-Tetrachloroethane
Concen: 54.066 ug/l
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

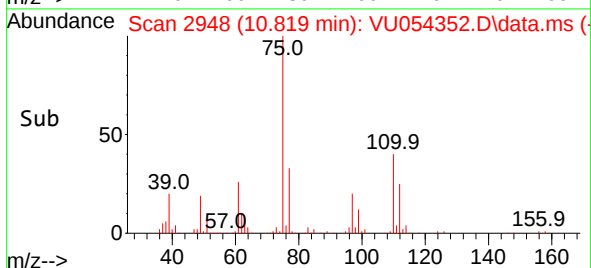
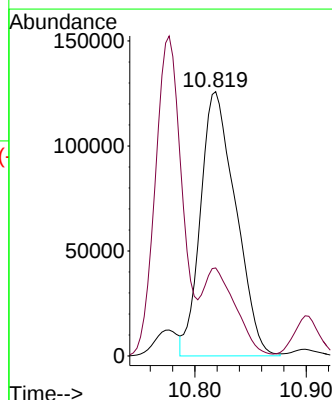
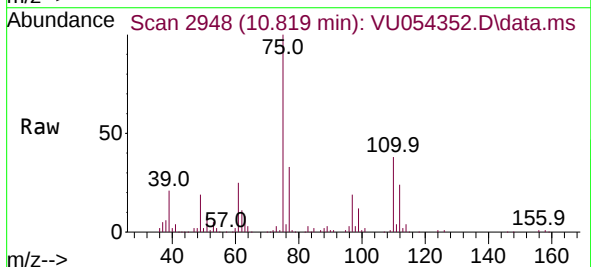
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

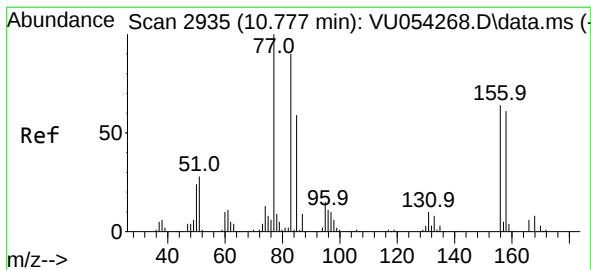
Tgt Ion: 83 Resp: 247532
Ion Ratio Lower Upper
83 100
131 9.5 5.1 15.4
85 64.4 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 51.781 ug/l
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion: 75 Resp: 276109
Ion Ratio Lower Upper
75 100
77 30.4 15.8 47.3





#77

Bromobenzene

Concen: 50.820 ug/l

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

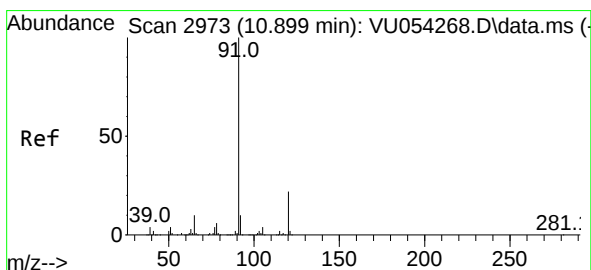
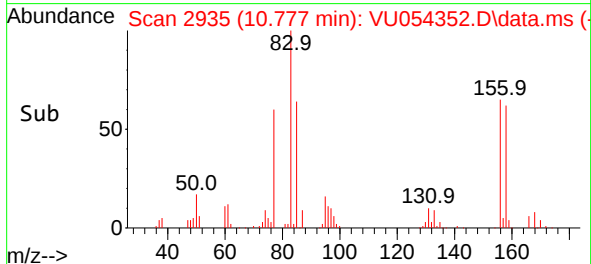
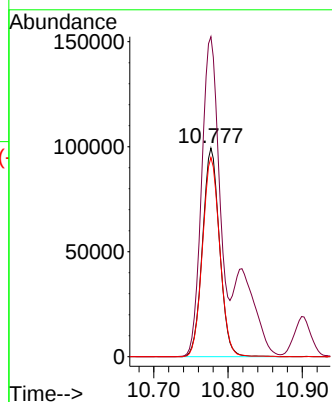
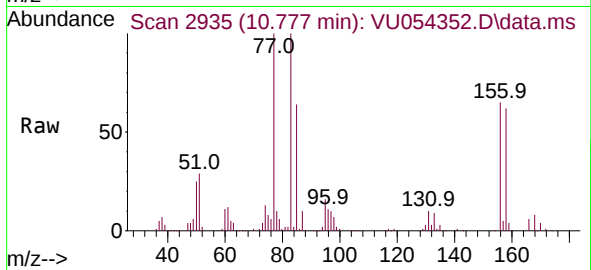
Tgt Ion:156 Resp: 157903

Ion Ratio Lower Upper

156 100

77 161.0 71.9 215.6

158 97.0 48.9 146.8



#78

n-propylbenzene

Concen: 52.617 ug/l

RT: 10.899 min Scan# 2973

Delta R.T. 0.000 min

Lab File: VU054352.D

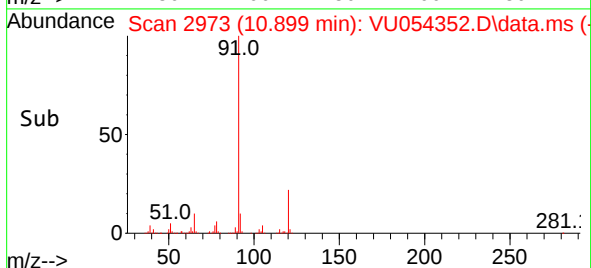
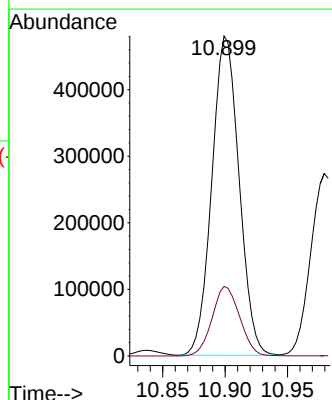
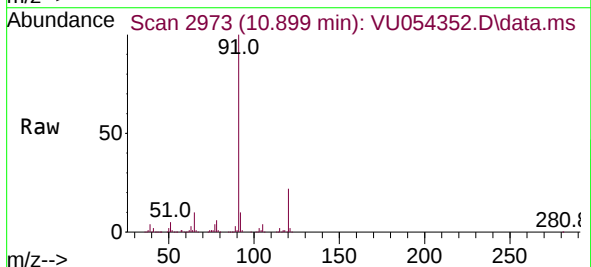
Acq: 31 May 2023 20:58

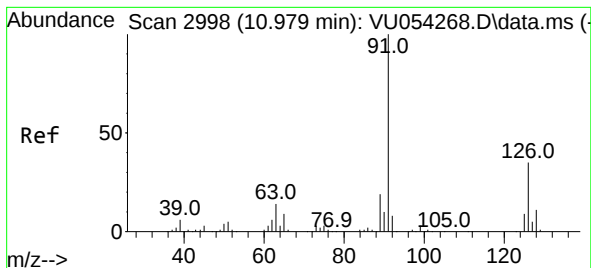
Tgt Ion: 91 Resp: 729303

Ion Ratio Lower Upper

91 100

120 22.1 11.9 35.5





#79

2-Chlorotoluene

Concen: 51.721 ug/l

RT: 10.979 min Scan# 2998

Delta R.T. 0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

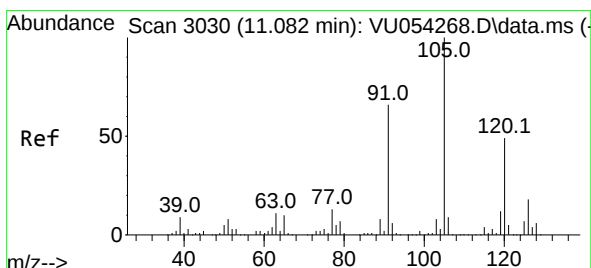
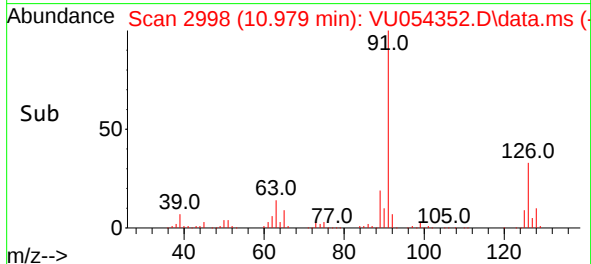
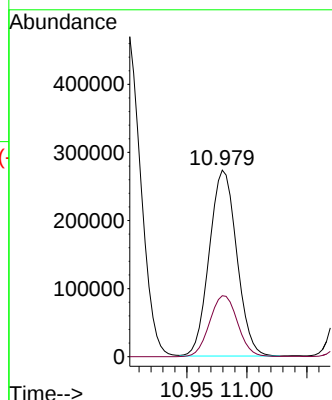
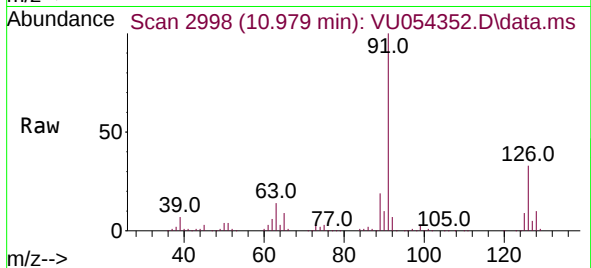
VSTDCCC050EC

Tgt Ion: 91 Resp: 434024

Ion Ratio Lower Upper

91 100

126 33.5 18.4 55.0



#80

1,3,5-Trimethylbenzene

Concen: 53.486 ug/l

RT: 11.082 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU054352.D

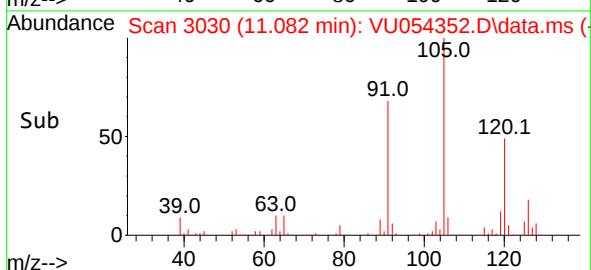
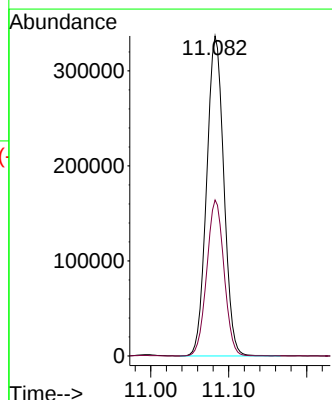
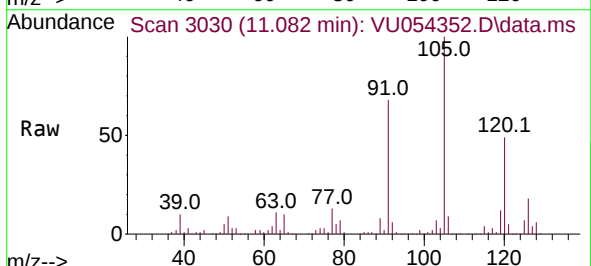
Acq: 31 May 2023 20:58

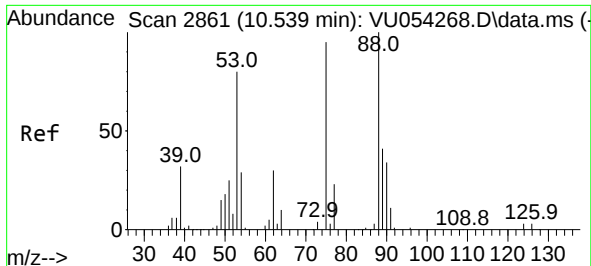
Tgt Ion:105 Resp: 514660

Ion Ratio Lower Upper

105 100

120 49.1 25.3 75.9

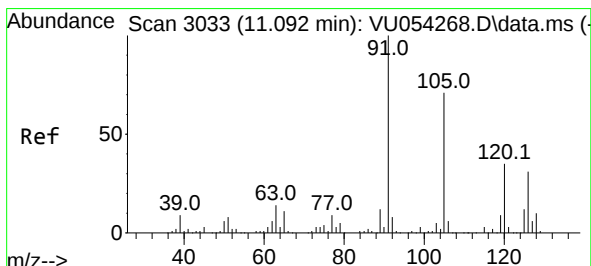
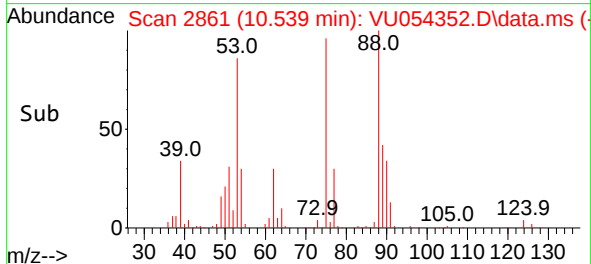
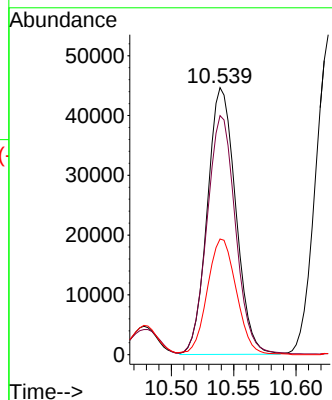
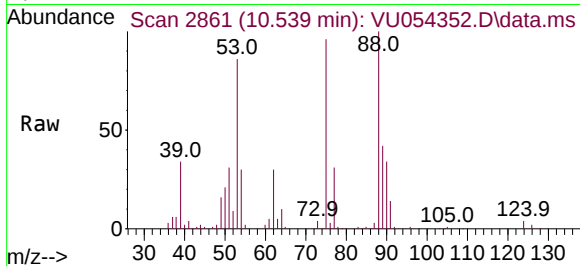




#81
trans-1,4-Dichloro-2-butene
Concen: 50.538 ug/l
RT: 10.539 min Scan# 2861
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

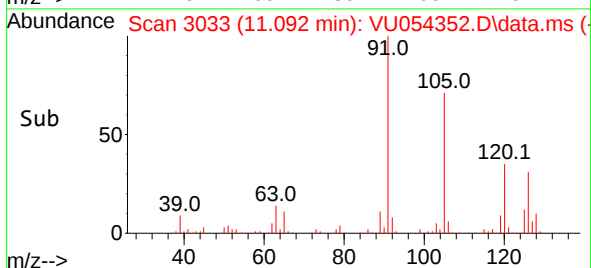
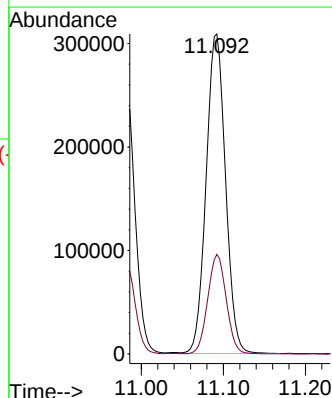
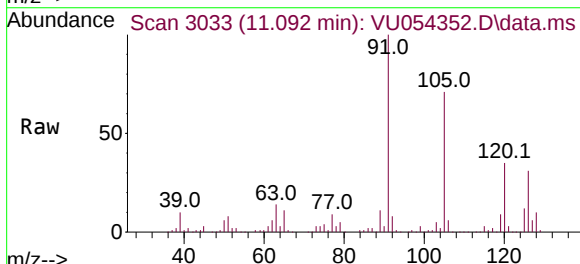
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

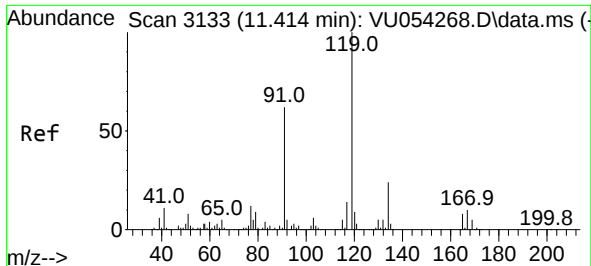
Tgt Ion: 75 Resp: 70768
Ion Ratio Lower Upper
75 100
53 89.9 69.2 103.8
89 44.5 37.0 55.6



#82
4-Chlorotoluene
Concen: 51.390 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion: 91 Resp: 505987
Ion Ratio Lower Upper
91 100
126 29.7 16.1 48.2

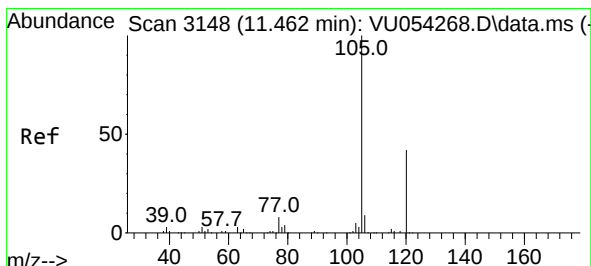
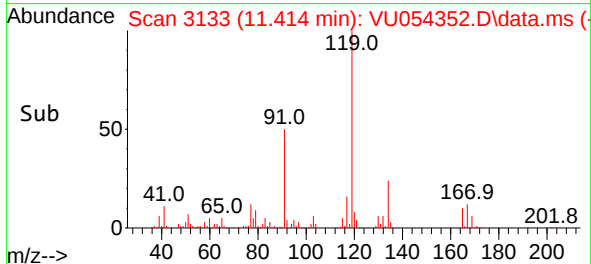
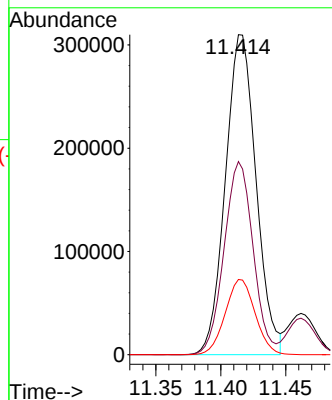
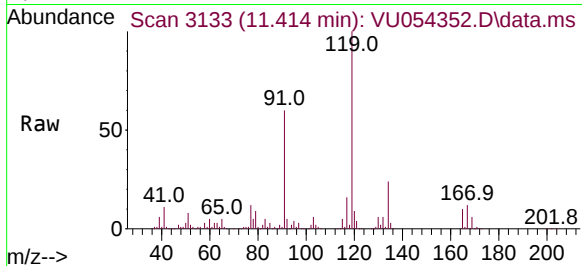




#83
tert-Butylbenzene
Concen: 52.996 ug/l
RT: 11.414 min Scan# 3133
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

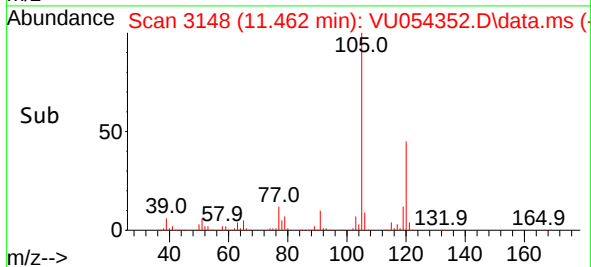
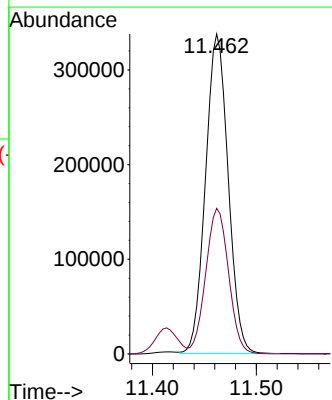
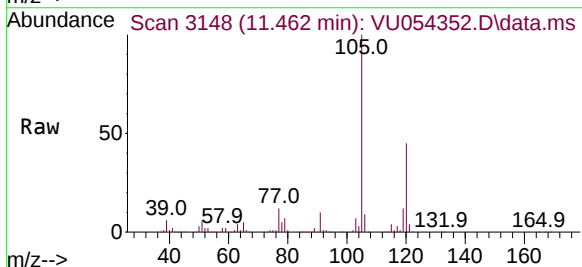
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

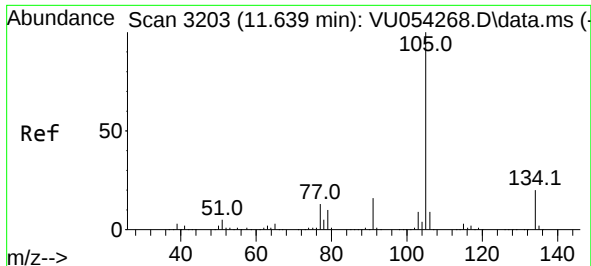
Tgt Ion:119 Resp: 509932
Ion Ratio Lower Upper
119 100
91 57.0 26.8 80.3
134 22.9 11.5 34.5



#84
1,2,4-Trimethylbenzene
Concen: 53.395 ug/l
RT: 11.462 min Scan# 3148
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion:105 Resp: 511149
Ion Ratio Lower Upper
105 100
120 46.1 23.4 70.3

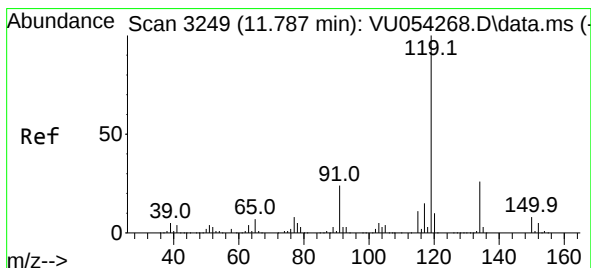
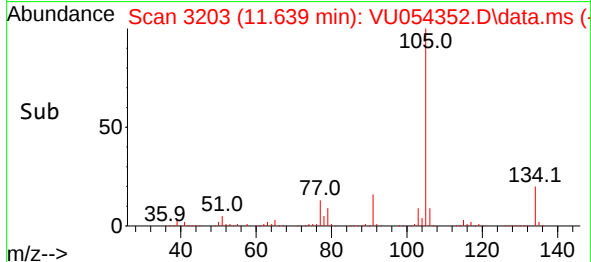
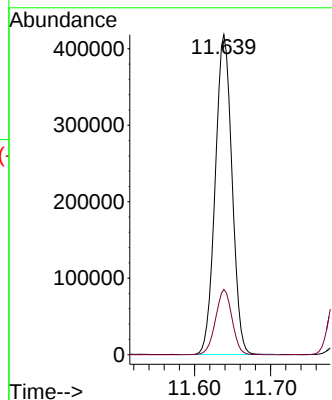
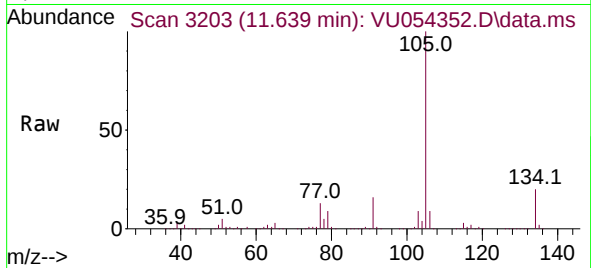




#85
 sec-Butylbenzene
 Concen: 52.431 ug/l
 RT: 11.639 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054352.D
 Acq: 31 May 2023 20:58

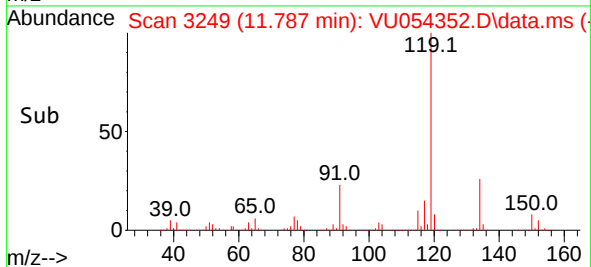
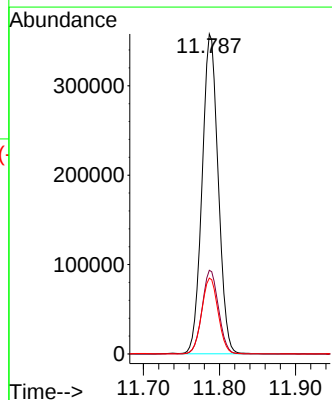
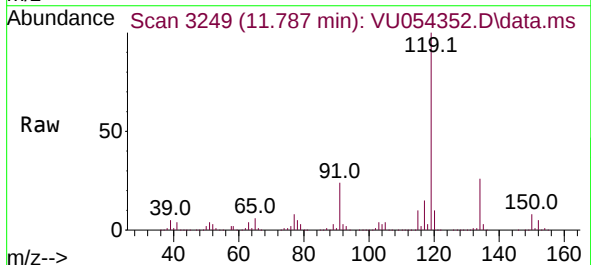
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

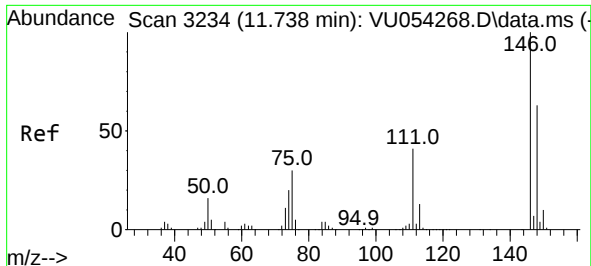
Tgt Ion:105 Resp: 640145
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 51.229 ug/l
 RT: 11.787 min Scan# 3249
 Delta R.T. -0.000 min
 Lab File: VU054352.D
 Acq: 31 May 2023 20:58

Tgt Ion:119 Resp: 526073
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.5 40.4
 91 24.2 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 48.767 ug/l

RT: 11.738 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

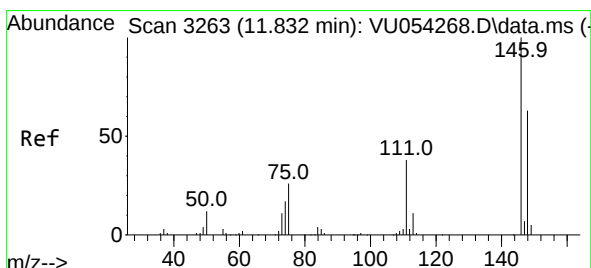
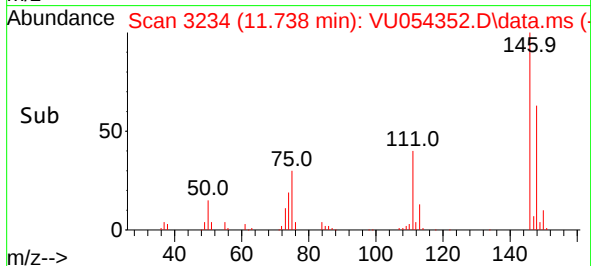
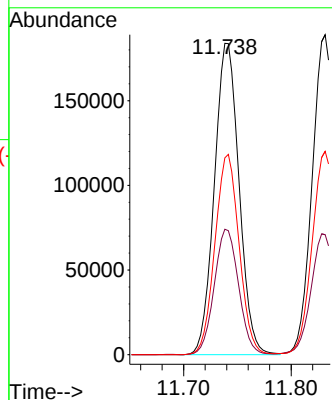
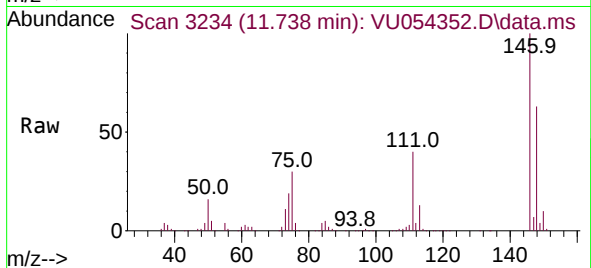
Tgt Ion:146 Resp: 293392

Ion Ratio Lower Upper

146 100

111 39.7 18.9 56.5

148 63.0 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 46.868 ug/l

RT: 11.832 min Scan# 3263

Delta R.T. -0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

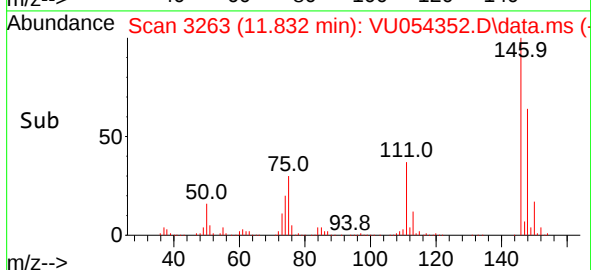
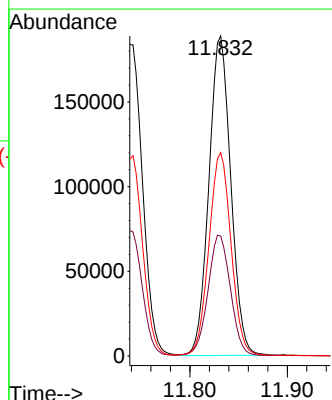
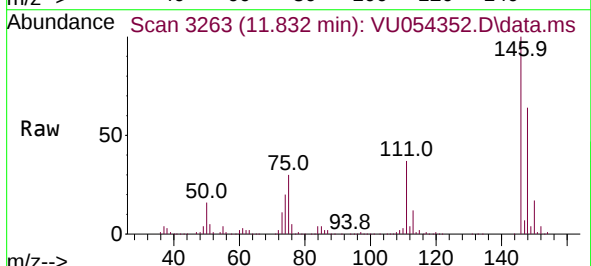
Tgt Ion:146 Resp: 294570

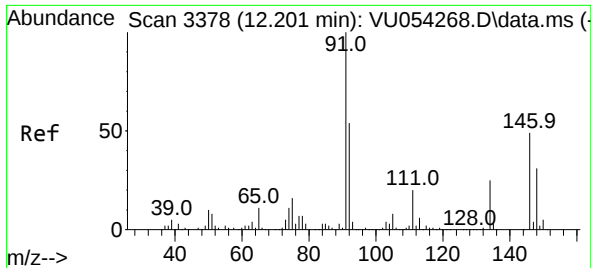
Ion Ratio Lower Upper

146 100

111 38.8 18.5 55.5

148 64.6 31.9 95.7

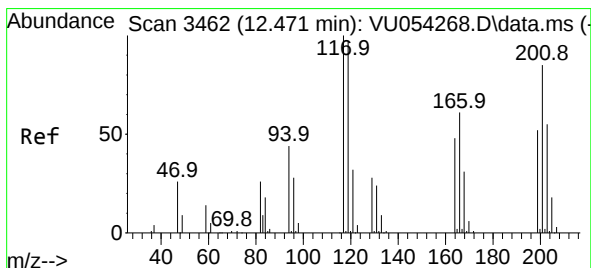
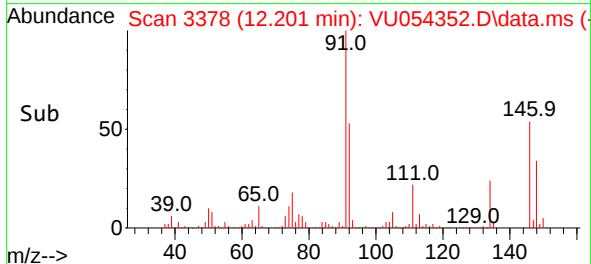
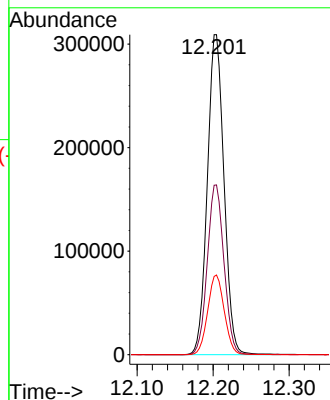
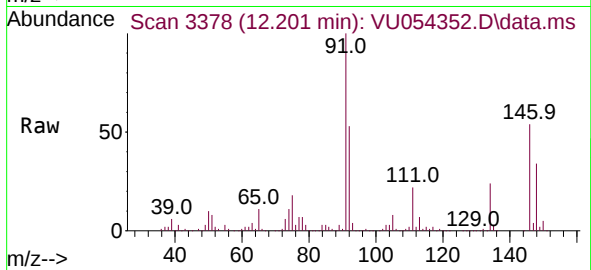




#89
n-Butylbenzene
Concen: 48.600 ug/l
RT: 12.201 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

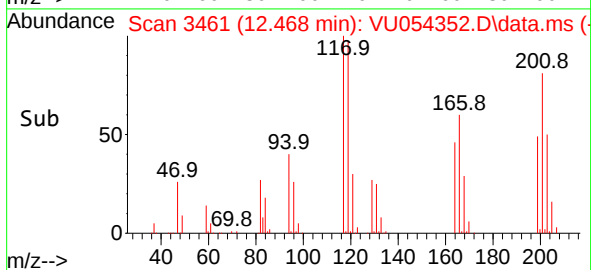
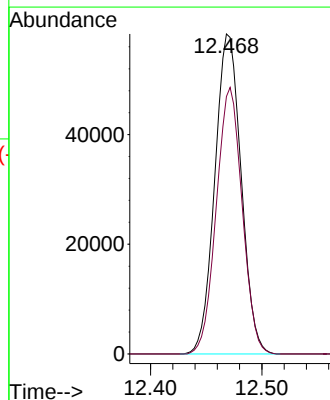
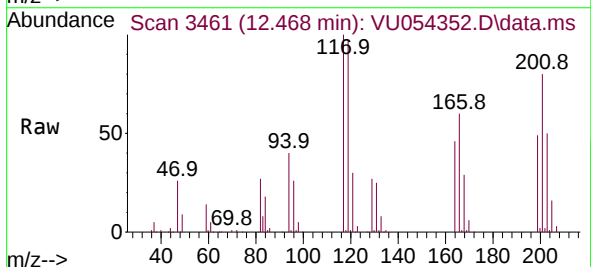
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

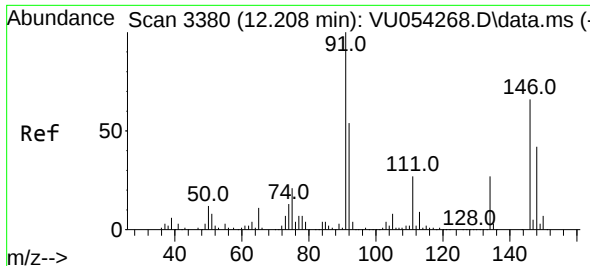
Tgt Ion: 91 Resp: 469788
Ion Ratio Lower Upper
91 100
92 53.2 26.2 78.6
134 24.8 13.5 40.4



#90
Hexachloroethane
Concen: 52.787 ug/l
RT: 12.468 min Scan# 3461
Delta R.T. -0.003 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion: 117 Resp: 95899
Ion Ratio Lower Upper
117 100
201 81.8 44.6 134.0

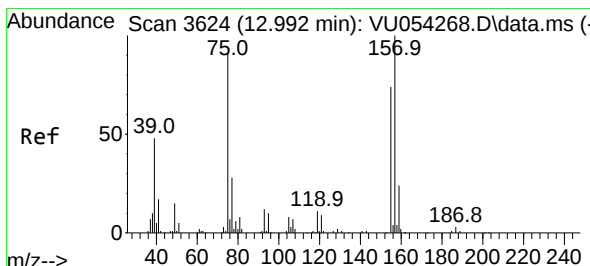
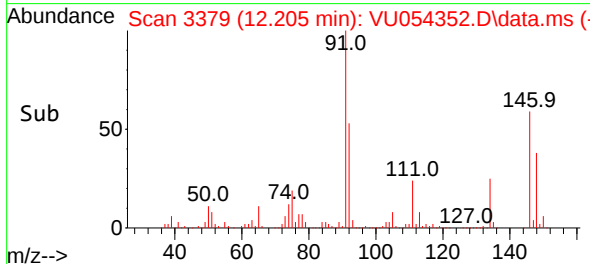
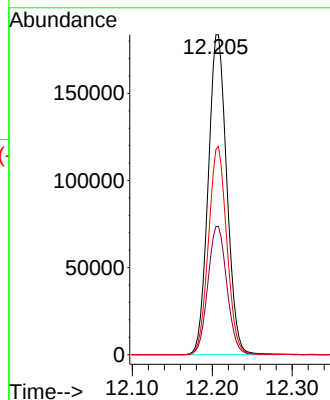
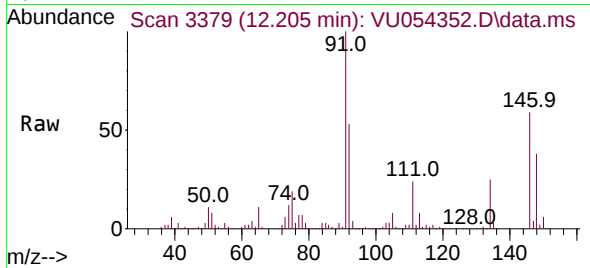




#91
 1,2-Dichlorobenzene
 Concen: 50.162 ug/l
 RT: 12.205 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU054352.D
 Acq: 31 May 2023 20:58

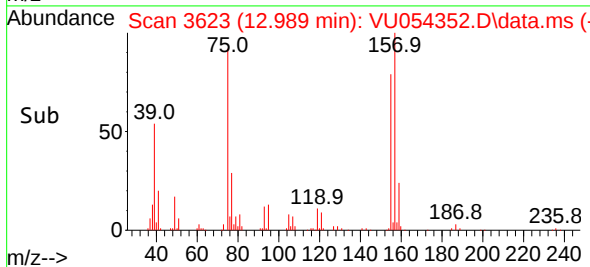
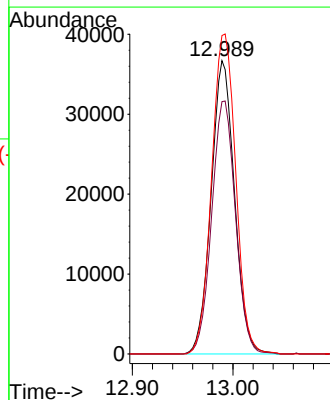
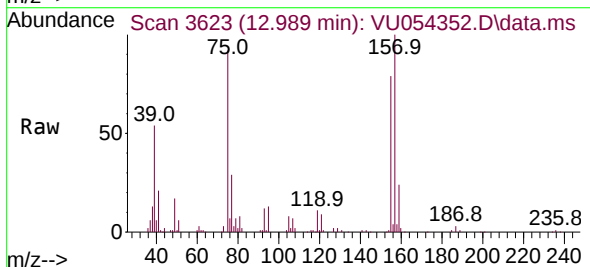
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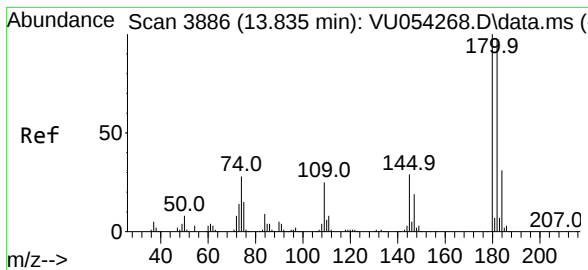
Tgt Ion:146 Resp: 296882
 Ion Ratio Lower Upper
 146 100
 111 41.1 19.9 59.6
 148 64.3 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.874 ug/l
 RT: 12.989 min Scan# 3623
 Delta R.T. -0.003 min
 Lab File: VU054352.D
 Acq: 31 May 2023 20:58

Tgt Ion: 75 Resp: 59385
 Ion Ratio Lower Upper
 75 100
 155 87.6 47.8 143.4
 157 112.3 62.2 186.5

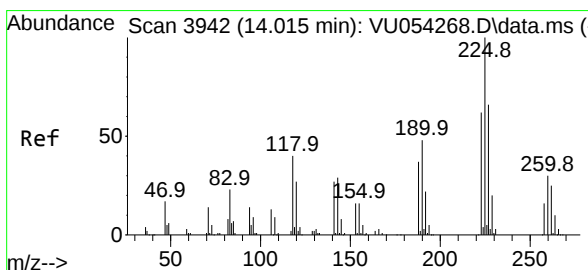
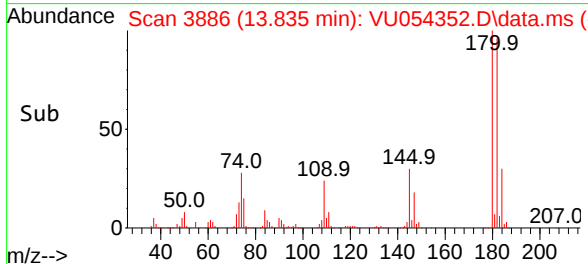
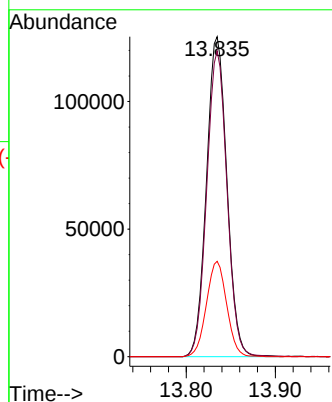
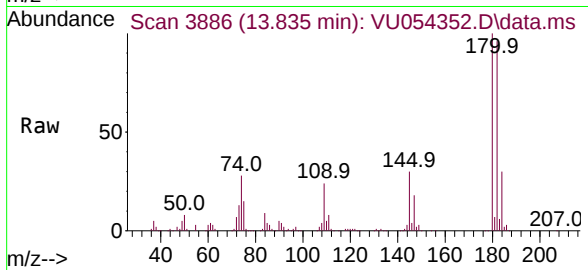




#93
1,2,4-Trichlorobenzene
Concen: 47.627 ug/l
RT: 13.835 min Scan# 3886
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

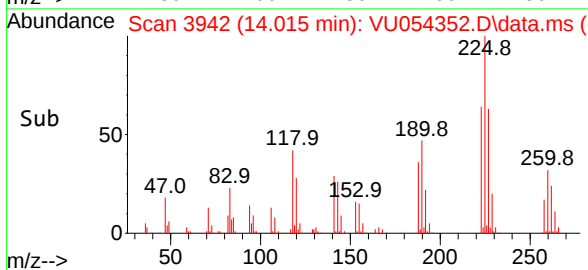
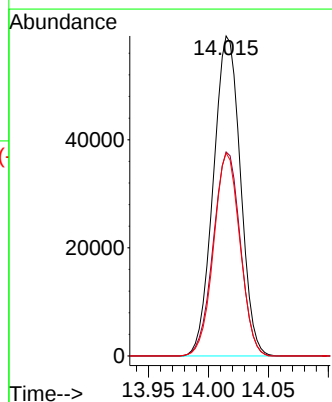
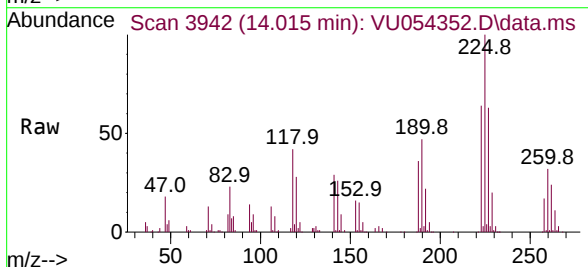
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

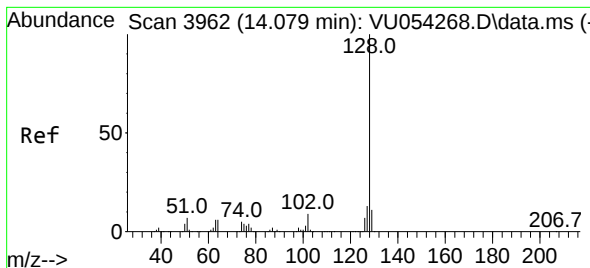
Tgt Ion:180 Resp: 199801
Ion Ratio Lower Upper
180 100
182 94.4 47.9 143.6
145 29.5 14.0 41.9



#94
Hexachlorobutadiene
Concen: 47.717 ug/l
RT: 14.015 min Scan# 3942
Delta R.T. -0.000 min
Lab File: VU054352.D
Acq: 31 May 2023 20:58

Tgt Ion:225 Resp: 92855
Ion Ratio Lower Upper
225 100
223 63.6 31.3 93.9
227 61.5 32.0 96.2





#95

Naphthalene

Concen: 50.411 ug/l

RT: 14.079 min Scan# 3962

Delta R.T. 0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

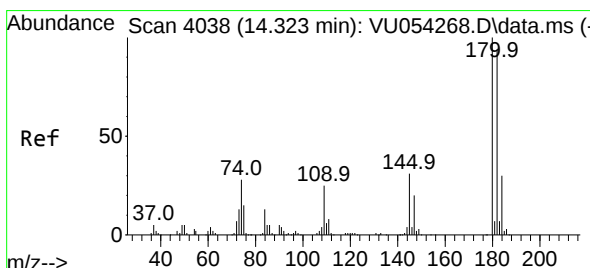
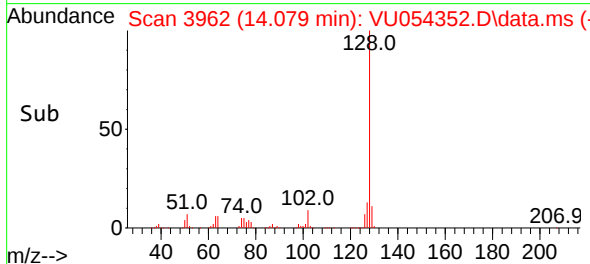
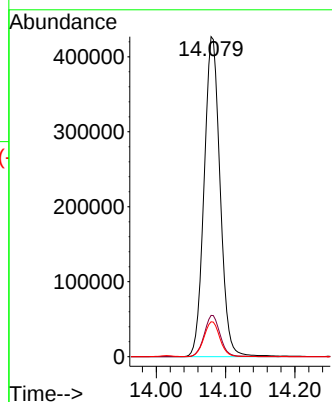
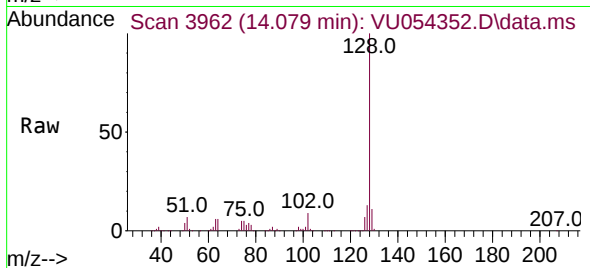
Tgt Ion:128 Resp: 681433

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.9 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 49.227 ug/l

RT: 14.323 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU054352.D

Acq: 31 May 2023 20:58

Tgt Ion:180 Resp: 204881

Ion Ratio Lower Upper

180 100

182 95.7 48.4 145.0

145 31.2 14.8 44.4

