

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053123\
 Data File : VU054354.D
 Acq On : 31 May 2023 22:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 01 06:10:53 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	211485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.244	114	357682	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.411	117	340446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	184048	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	146038	52.677	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.360%	
35) Dibromofluoromethane	5.282	113	119294	51.791	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.580%	
50) Toluene-d8	7.893	98	444731	50.760	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.520%	
62) 4-Bromofluorobenzene	10.626	95	168188	49.508	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.020%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.382	85	119503	50.618	ug/l	99
3) Chloromethane	1.520	50	156397	50.592	ug/l	98
4) Vinyl Chloride	1.604	62	157808	53.503	ug/l	98
5) Bromomethane	1.848	94	73582	45.067	ug/l	98
6) Chloroethane	1.925	64	94885	66.707	ug/l	94
7) Trichlorofluoromethane	2.131	101	198034	48.803	ug/l	98
8) Diethyl Ether	2.372	74	80914	53.863	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.575	101	110283	50.197	ug/l	97
10) Methyl Iodide	2.720	142	141853	53.718	ug/l	96
11) Tert butyl alcohol	3.192	59	195276	260.761	ug/l #	53
12) 1,1-Dichloroethene	2.575	96	111782	49.139	ug/l	97
13) Acrolein	2.482	56	165630	212.603	ug/l	99
14) Allyl chloride	2.919	41	201003	50.961	ug/l	86
15) Acrylonitrile	3.308	53	445656	265.425	ug/l	99
16) Acetone	2.623	43	351311	221.070	ug/l	96
17) Carbon Disulfide	2.790	76	316516	47.080	ug/l	100
18) Methyl Acetate	2.941	43	315432	54.362	ug/l	95
19) Methyl tert-butyl Ether	3.356	73	384287	51.607	ug/l	98
20) Methylene Chloride	3.041	84	139050	48.502	ug/l	93
21) trans-1,2-Dichloroethene	3.346	96	123925	50.883	ug/l	97
22) Diisopropyl ether	3.983	45	384407	54.987	ug/l #	80
23) Vinyl Acetate	3.948	43	1422491	278.855	ug/l	97
24) 1,1-Dichloroethane	3.861	63	233952	52.263	ug/l	99
25) 2-Butanone	4.694	43	556489	264.488	ug/l	98
26) 2,2-Dichloropropane	4.658	77	158341	40.476	ug/l	100
27) cis-1,2-Dichloroethene	4.662	96	137644	50.804	ug/l	95
28) Bromochloromethane	4.967	49	122430	59.103	ug/l	85
29) Tetrahydrofuran	5.044	42	365077	276.042	ug/l	92
30) Chloroform	5.083	83	233262	51.262	ug/l	99
31) Cyclohexane	5.382	56	191560	48.934	ug/l	96
32) 1,1,1-Trichloroethane	5.311	97	198868	50.340	ug/l	99
36) 1,1-Dichloropropene	5.520	75	163116	45.086	ug/l	99
37) Ethyl Acetate	4.793	43	207566	47.076	ug/l #	93
38) Carbon Tetrachloride	5.520	117	171435	46.296	ug/l	98
39) Methylcyclohexane	6.758	83	189084	46.143	ug/l	92
40) Benzene	5.768	78	510885	49.506	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.964	41	106974	52.496	ug/l	93
42) 1,2-Dichloroethane	5.787	62	178047	47.495	ug/l	99
43) Isopropyl Acetate	5.903	43	304145	50.009	ug/l	98
44) Trichloroethene	6.536	130	130805	45.344	ug/l	95
45) 1,2-Dichloropropane	6.784	63	138028	51.272	ug/l	100
46) Dibromomethane	6.912	93	96373	48.633	ug/l	95
47) Bromodichloromethane	7.099	83	183031	49.389	ug/l	99
48) Methyl methacrylate	6.954	41	140385	52.051	ug/l	93
49) 1,4-Dioxane	6.973	88	85221	1094.499	ug/l #	1
51) 4-Methyl-2-Pentanone	7.784	43	1050316	258.788	ug/l	100
52) Toluene	7.964	92	317501	48.252	ug/l	98
53) t-1,3-Dichloropropene	8.205	75	201447	47.513	ug/l	99
54) cis-1,3-Dichloropropene	7.600	75	213563	48.266	ug/l	98
55) 1,1,2-Trichloroethane	8.395	97	134704	49.397	ug/l	96
56) Ethyl methacrylate	8.327	69	207769	51.185	ug/l	95
57) 1,3-Dichloropropane	8.568	76	231883	49.377	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.456	63	89772	344.943	ug/l	98
59) 2-Hexanone	8.677	43	817843	255.090	ug/l	99
60) Dibromochloromethane	8.803	129	137966	49.797	ug/l	100
61) 1,2-Dibromoethane	8.919	107	146356	49.314	ug/l	100
64) Tetrachloroethene	8.549	164	117545	45.875	ug/l	95
65) Chlorobenzene	9.443	112	335228	47.101	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.526	131	127519	49.389	ug/l	97
67) Ethyl Benzene	9.565	91	590277	48.511	ug/l	97
68) m/p-Xylenes	9.687	106	455745	98.813	ug/l	93
69) o-Xylene	10.095	106	221305	49.567	ug/l	92
70) Styrene	10.108	104	380276	51.359	ug/l	98
71) Bromoform	10.285	173	110113	49.077	ug/l #	100
73) Isopropylbenzene	10.478	105	573686	50.331	ug/l	97
74) N-amyl acetate	10.314	43	254412	52.566	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.777	83	234999	50.952	ug/l	100
76) 1,2,3-Trichloropropane	10.819	75	261330	48.650	ug/l	98
77) Bromobenzene	10.777	156	151441	48.383	ug/l	91
78) n-propylbenzene	10.899	91	706708	50.613	ug/l	97
79) 2-Chlorotoluene	10.980	91	416791	49.304	ug/l	95
80) 1,3,5-Trimethylbenzene	11.083	105	496901	51.262	ug/l	97
81) trans-1,4-Dichloro-2-b...	10.539	75	67489	47.843	ug/l	97
82) 4-Chlorotoluene	11.089	91	489268	49.328	ug/l	96
83) tert-Butylbenzene	11.414	119	481121	49.636	ug/l	96
84) 1,2,4-Trimethylbenzene	11.462	105	493495	51.173	ug/l	99
85) sec-Butylbenzene	11.639	105	614822	49.988	ug/l	99
86) p-Isopropyltoluene	11.787	119	507989	49.105	ug/l	98
87) 1,3-Dichlorobenzene	11.738	146	283171	46.723	ug/l	99
88) 1,4-Dichlorobenzene	11.832	146	288702	45.598	ug/l	99
89) n-Butylbenzene	12.201	91	450481	46.261	ug/l	98
90) Hexachloroethane	12.468	117	91092	49.774	ug/l	91
91) 1,2-Dichlorobenzene	12.208	146	284792	47.766	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.989	75	55969	53.210	ug/l	90
93) 1,2,4-Trichlorobenzene	13.835	180	193471	45.843	ug/l	99
94) Hexachlorobutadiene	14.015	225	88848	45.364	ug/l	99
95) Naphthalene	14.079	128	658879	48.465	ug/l	99
96) 1,2,3-Trichlorobenzene	14.324	180	197933	47.261	ug/l	98

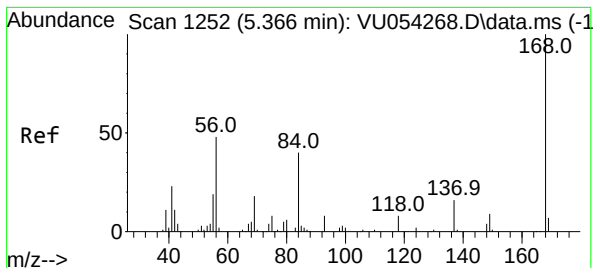
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Response via : Initial Calibration

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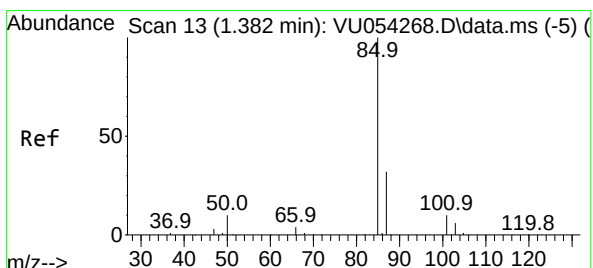
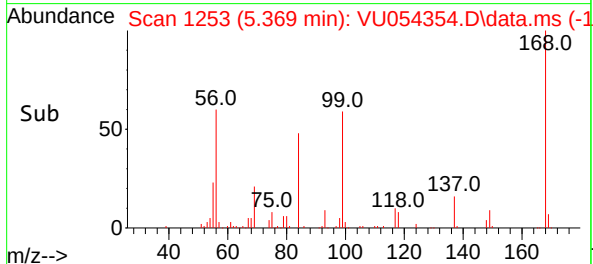
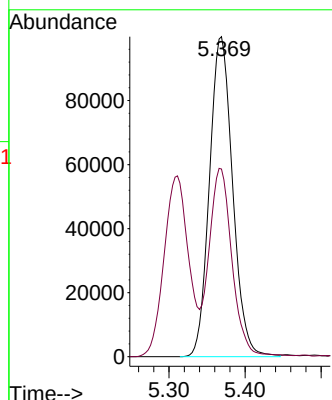
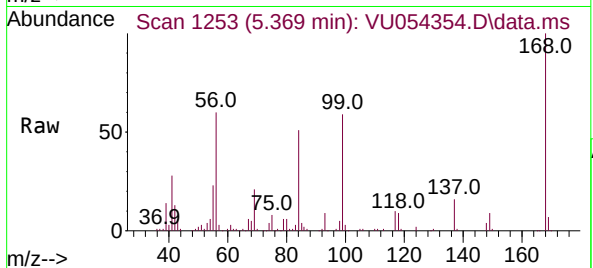
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054354.D
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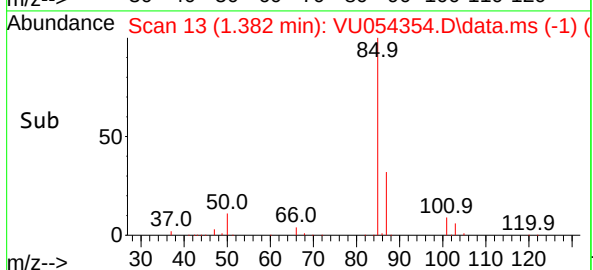
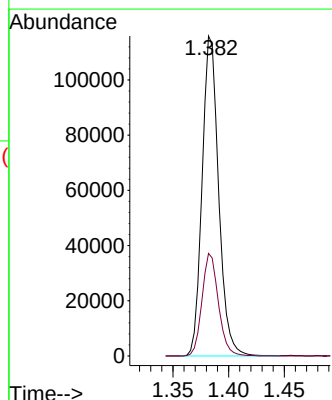
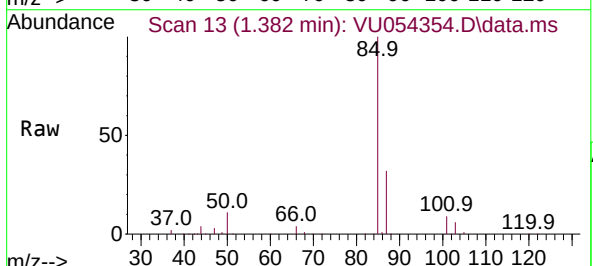
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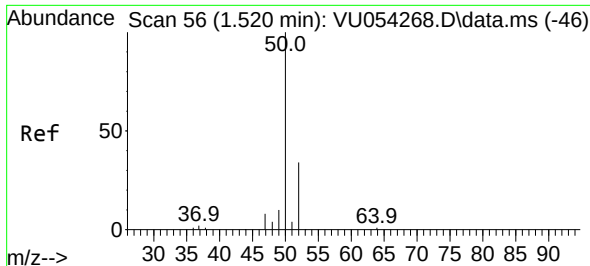
Tgt Ion:168 Resp: 211485
Ion Ratio Lower Upper
168 100
99 58.1 39.3 58.9



#2
Dichlorodifluoromethane
Concen: 50.618 ug/l
RT: 1.382 min Scan# 13
Delta R.T. -0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

Tgt Ion: 85 Resp: 119503
Ion Ratio Lower Upper
85 100
87 32.1 16.4 49.2

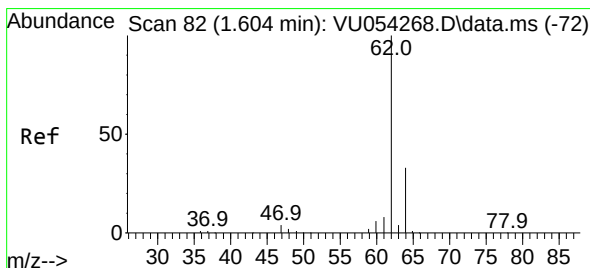
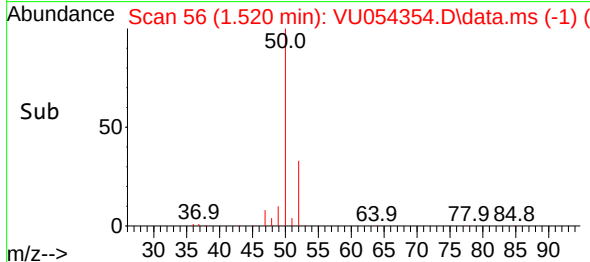
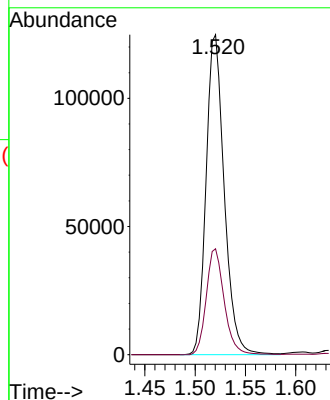
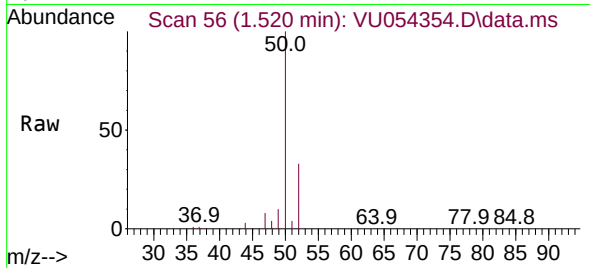




#3
Chloromethane
Concen: 50.592 ug/l
RT: 1.520 min Scan# 50
Delta R.T. 0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

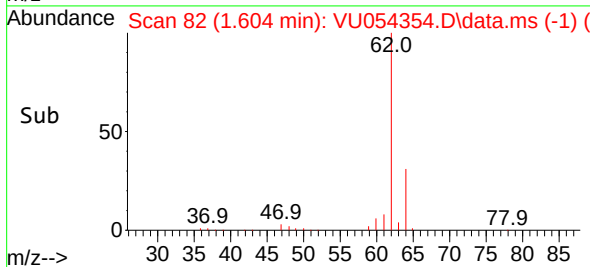
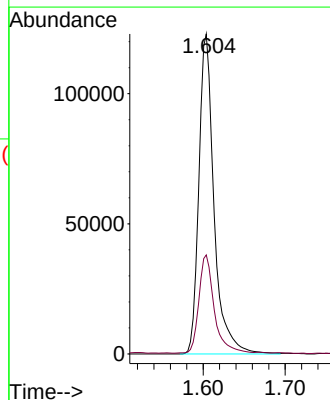
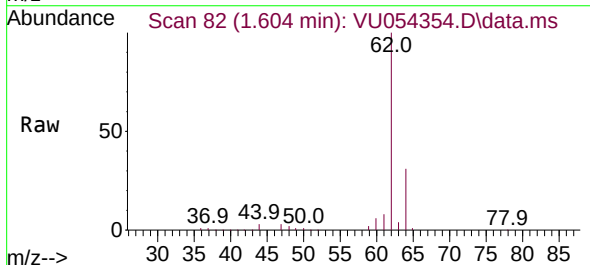
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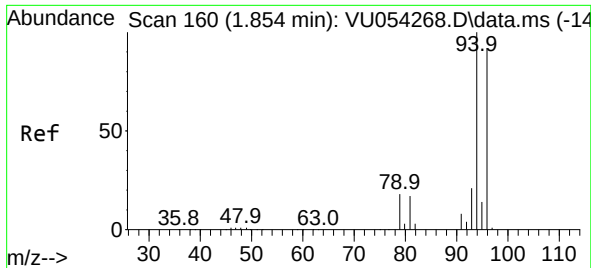
Tgt Ion: 50 Resp: 156397
Ion Ratio Lower Upper
50 100
52 33.1 27.4 41.2



#4
Vinyl Chloride
Concen: 53.503 ug/l
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

Tgt Ion: 62 Resp: 157808
Ion Ratio Lower Upper
62 100
64 30.6 25.3 37.9

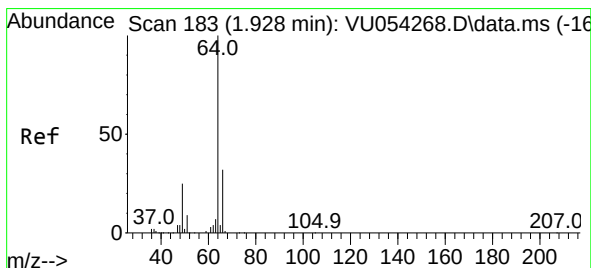
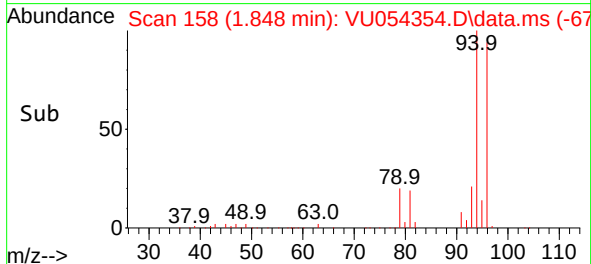
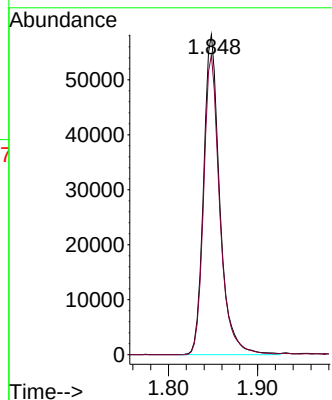
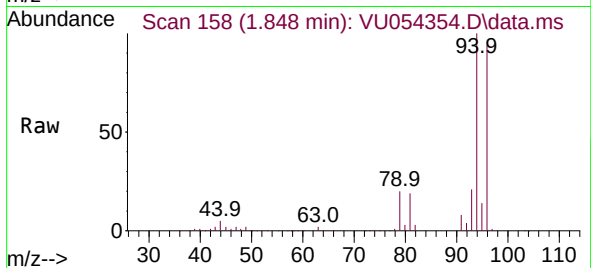




#5
Bromomethane
Concen: 45.067 ug/l
RT: 1.848 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

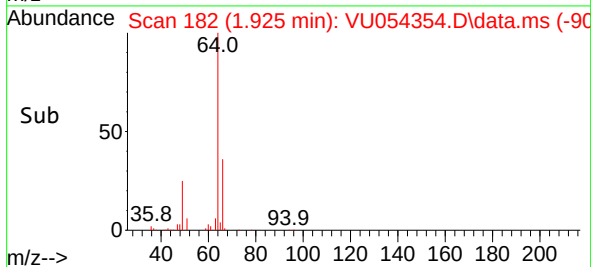
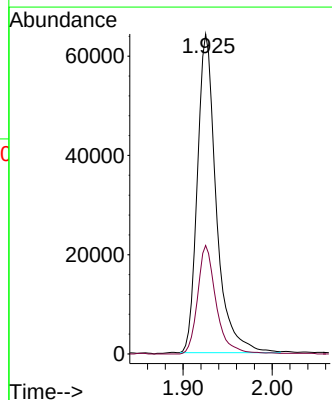
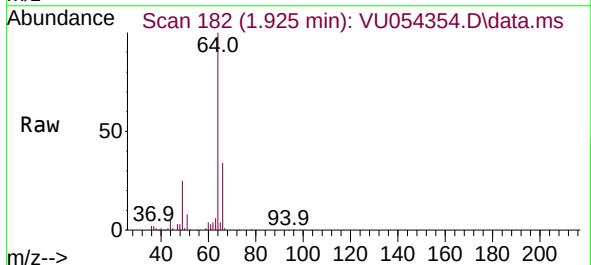
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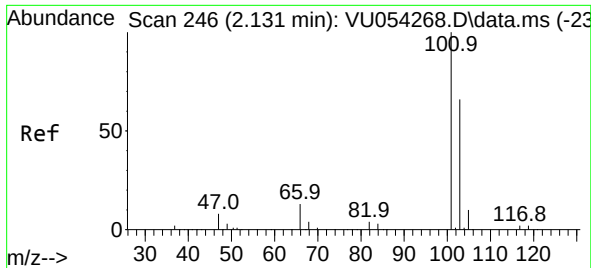
Tgt Ion: 94 Resp: 73582
Ion Ratio Lower Upper
94 100
96 93.7 73.7 110.5



#6
Chloroethane
Concen: 66.707 ug/l
RT: 1.925 min Scan# 182
Delta R.T. -0.003 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

Tgt Ion: 64 Resp: 94885
Ion Ratio Lower Upper
64 100
66 34.0 24.7 37.1

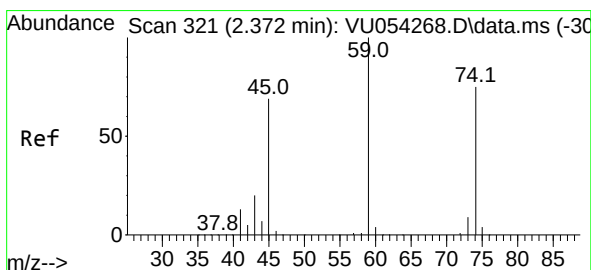
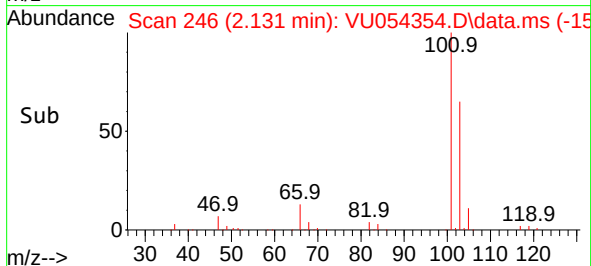
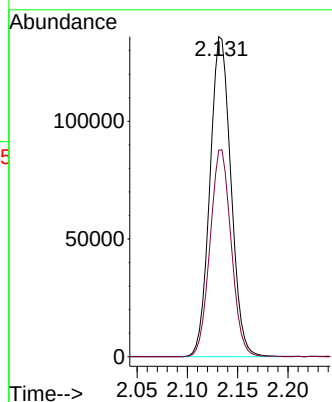
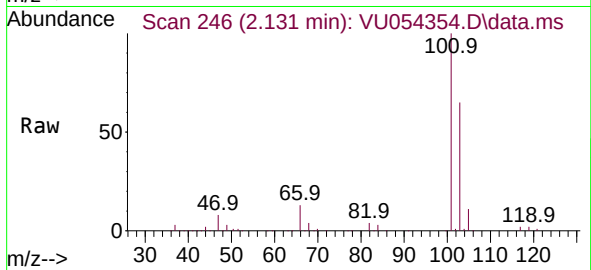




#7
 Trichlorofluoromethane
 Concen: 48.803 ug/l
 RT: 2.131 min Scan# 246
 Delta R.T. 0.000 min
 Lab File: VU054354.D
 Acq: 31 May 2023 22:09

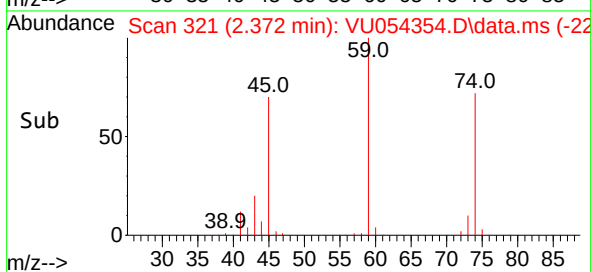
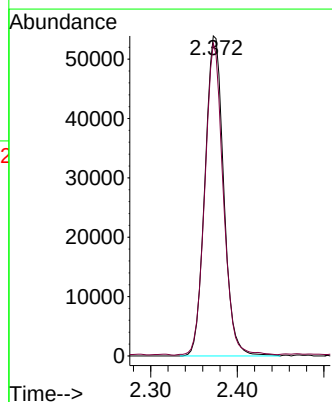
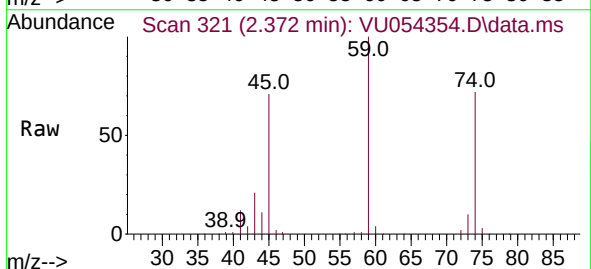
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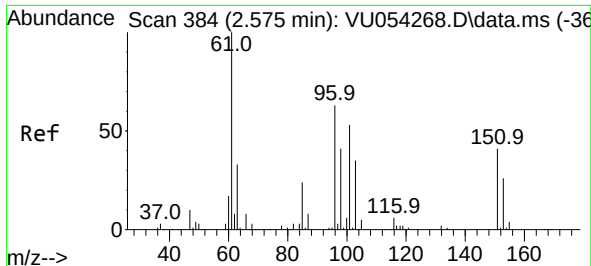
Tgt Ion:101 Resp: 198034
 Ion Ratio Lower Upper
 101 100
 103 64.5 50.6 75.8



#8
 Diethyl Ether
 Concen: 53.863 ug/l
 RT: 2.372 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VU054354.D
 Acq: 31 May 2023 22:09

Tgt Ion: 74 Resp: 80914
 Ion Ratio Lower Upper
 74 100
 45 95.4 44.4 133.2

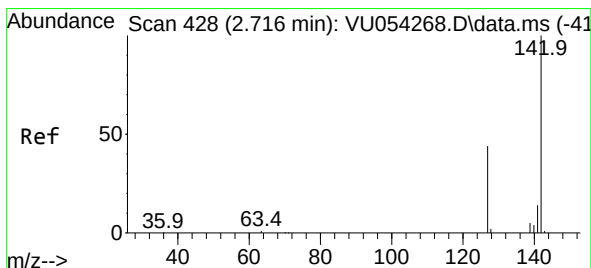
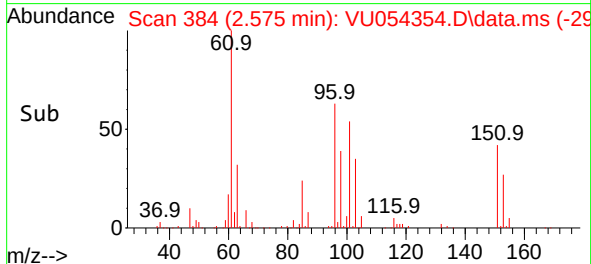
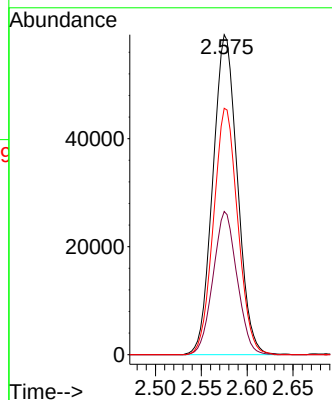
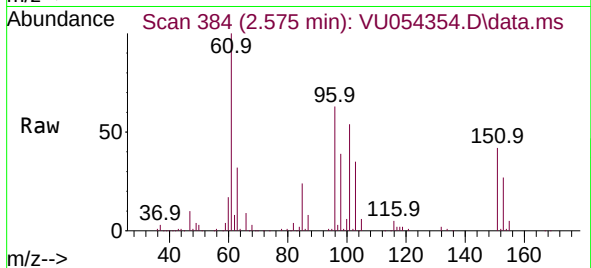




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.197 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054354.D
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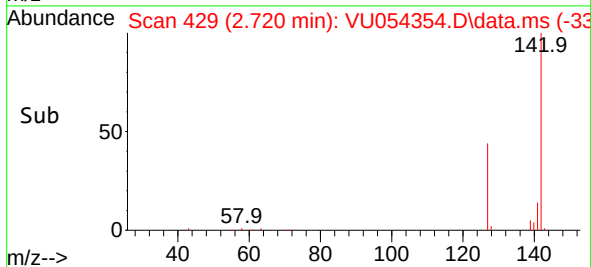
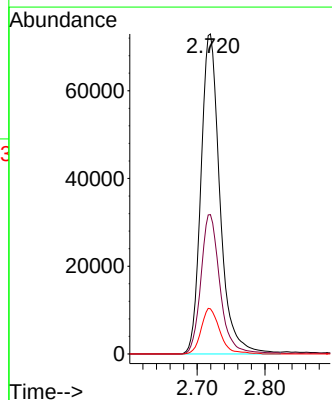
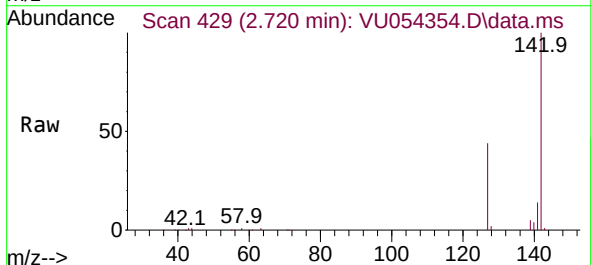
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ClientSampleId :
VSTDCCC050

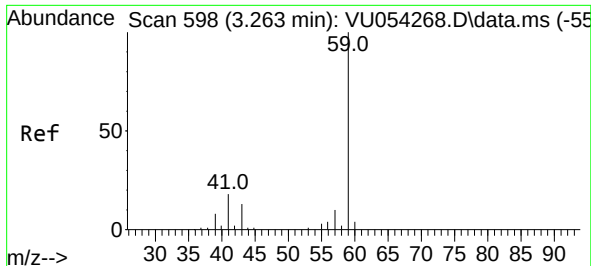
Tgt Ion:101 Resp: 110283
Ion Ratio Lower Upper
101 100
85 43.7 33.9 50.9
151 76.2 64.0 96.0



#10
Methyl Iodide
Concen: 53.718 ug/l
RT: 2.720 min Scan# 429
Delta R.T. 0.004 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

Tgt Ion:142 Resp: 141853
Ion Ratio Lower Upper
142 100
127 43.9 32.5 48.7
141 14.0 11.4 17.0

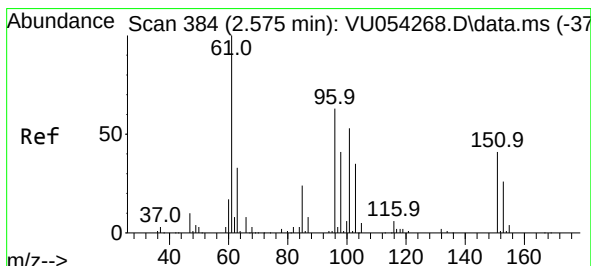
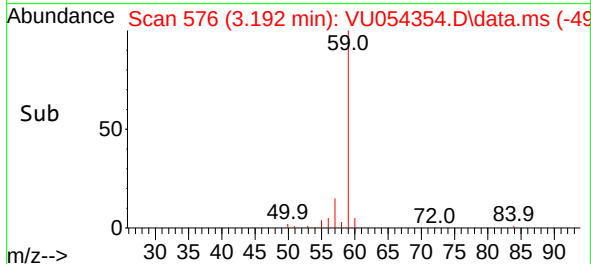
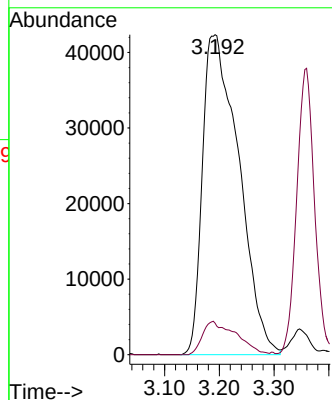
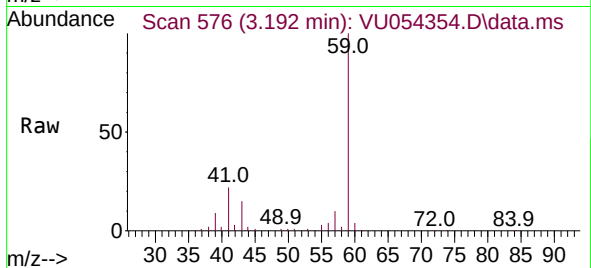




#11
Tert butyl alcohol
Concen: 260.761 ug/l
RT: 3.192 min Scan# 51
Delta R.T. -0.051 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

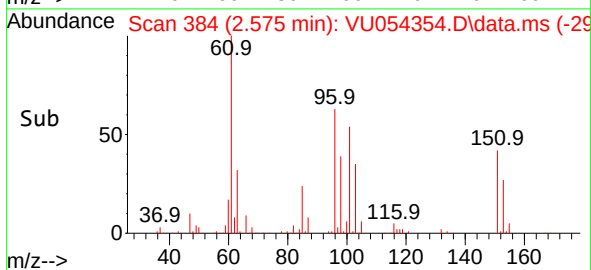
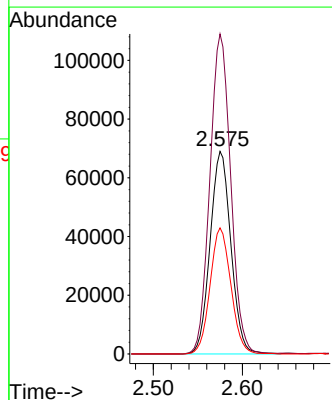
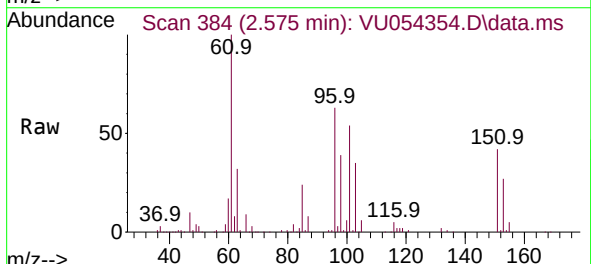
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

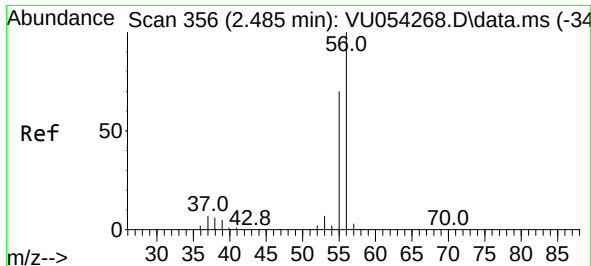
Tgt Ion: 59 Resp: 195276
Ion Ratio Lower Upper
59 100
57 9.7 30.6 45.8#



#12
1,1-Dichloroethene
Concen: 49.139 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

Tgt Ion: 96 Resp: 111782
Ion Ratio Lower Upper
96 100
61 157.9 122.2 183.2
98 62.3 50.7 76.1

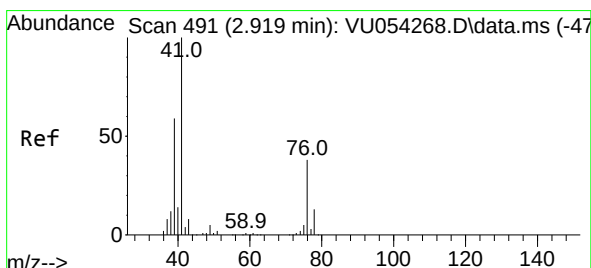
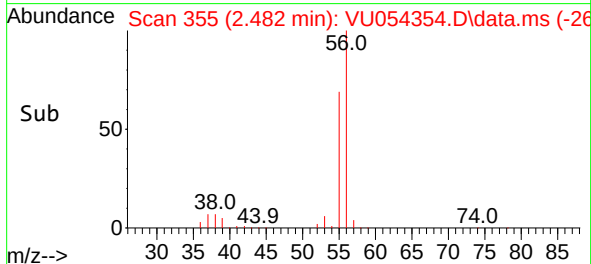
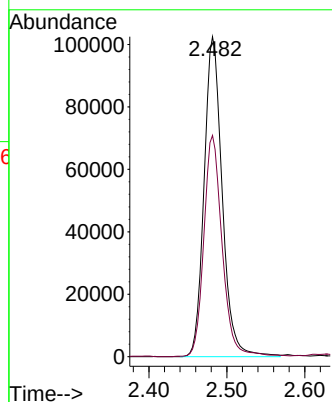
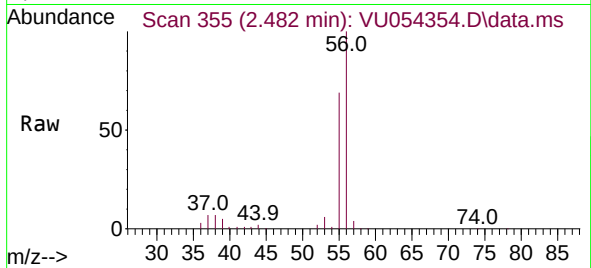




#13
Acrolein
Concen: 212.603 ug/l
RT: 2.482 min Scan# 356
Delta R.T. -0.003 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

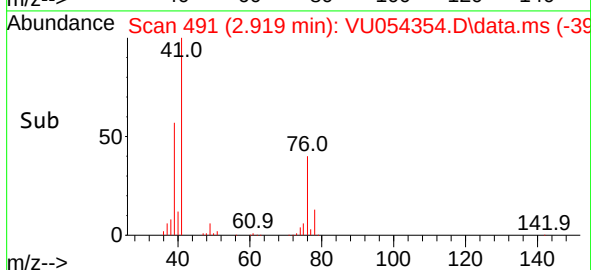
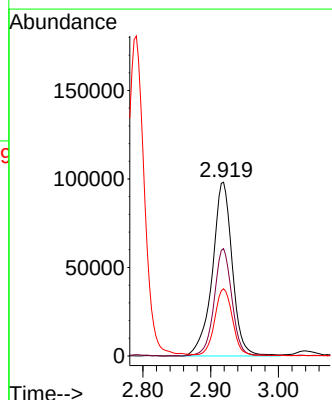
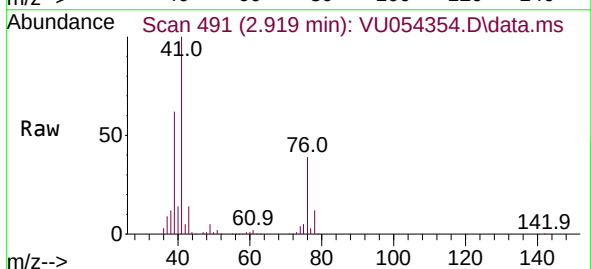
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

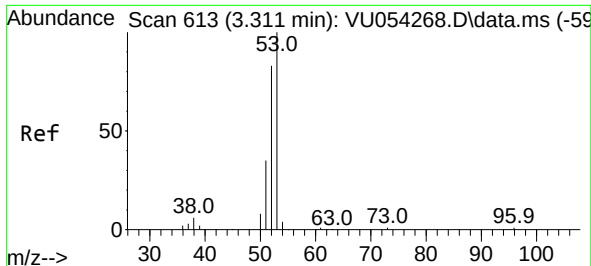
Tgt Ion: 56 Resp: 165630
Ion Ratio Lower Upper
56 100
55 70.0 56.6 85.0



#14
Allyl chloride
Concen: 50.961 ug/l
RT: 2.919 min Scan# 491
Delta R.T. -0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

Tgt Ion: 41 Resp: 201003
Ion Ratio Lower Upper
41 100
39 55.1 53.4 80.2
76 33.8 33.8 50.6

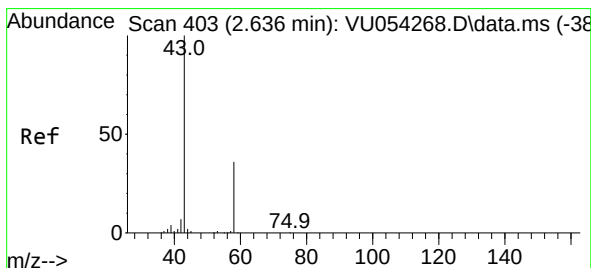
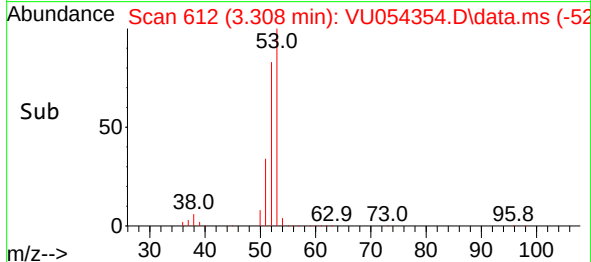
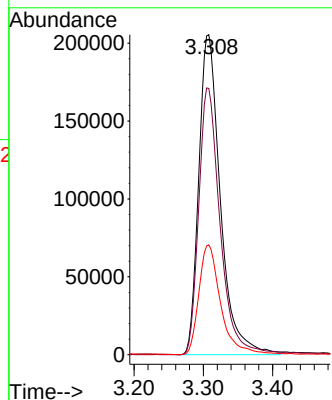
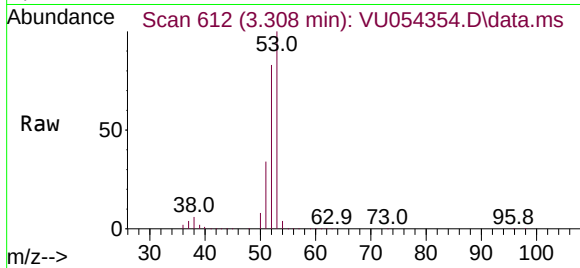




#15
Acrylonitrile
Concen: 265.425 ug/l
RT: 3.308 min Scan# 613
Delta R.T. -0.003 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

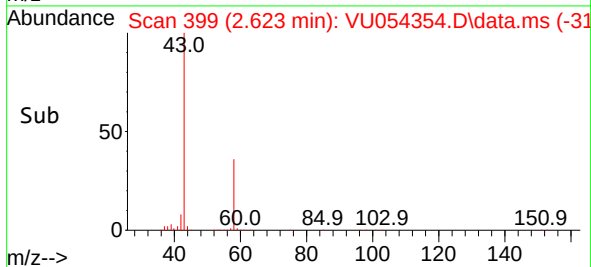
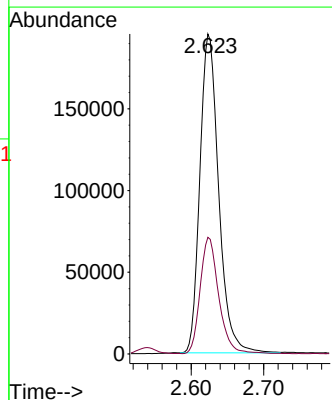
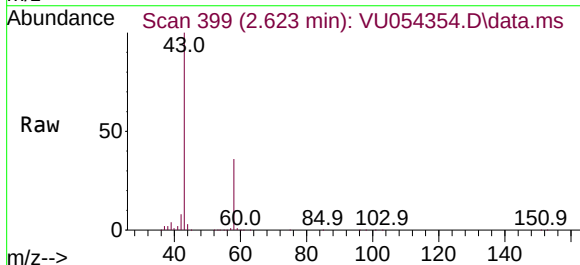
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

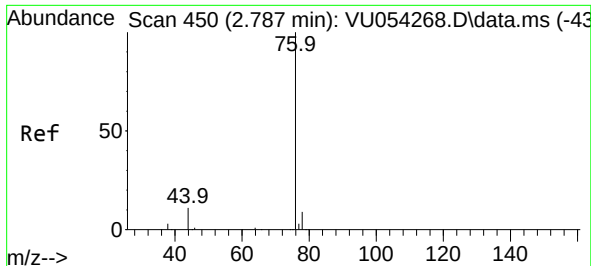
Tgt Ion: 53 Resp: 445656
Ion Ratio Lower Upper
53 100
52 82.5 65.7 98.5
51 34.8 28.2 42.4



#16
Acetone
Concen: 221.070 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.013 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

Tgt Ion: 43 Resp: 351311
Ion Ratio Lower Upper
43 100
58 36.4 27.5 41.3





#17

Carbon Disulfide

Concen: 47.080 ug/l

RT: 2.790 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

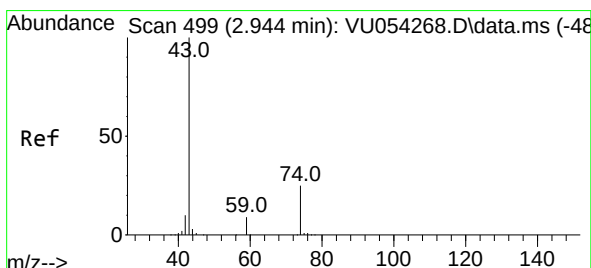
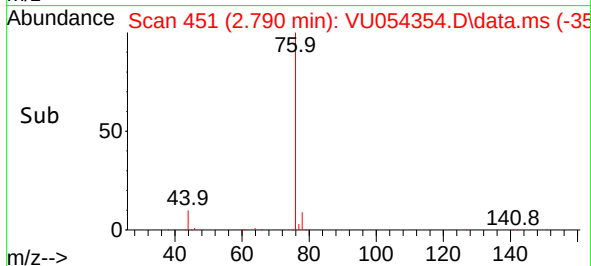
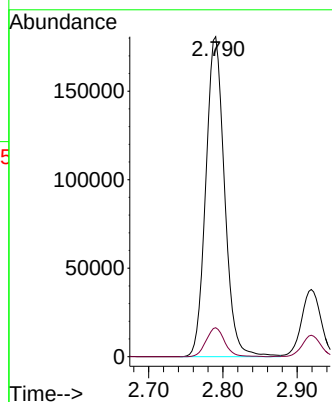
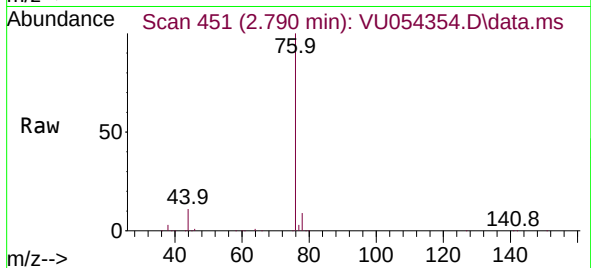
VSTDCCC050

Tgt Ion: 76 Resp: 316516

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



#18

Methyl Acetate

Concen: 54.362 ug/l

RT: 2.941 min Scan# 498

Delta R.T. -0.003 min

Lab File: VU054354.D

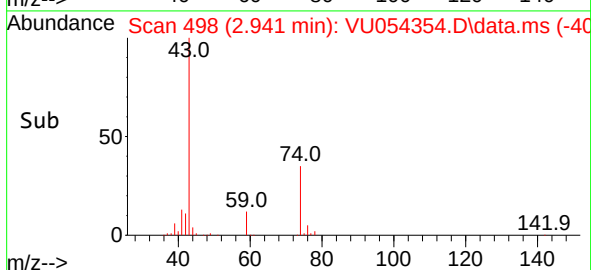
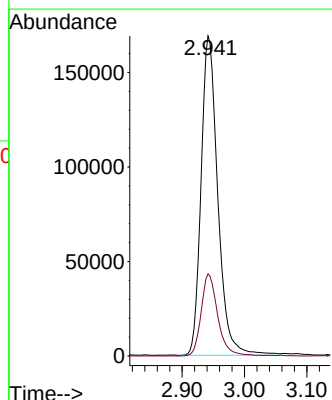
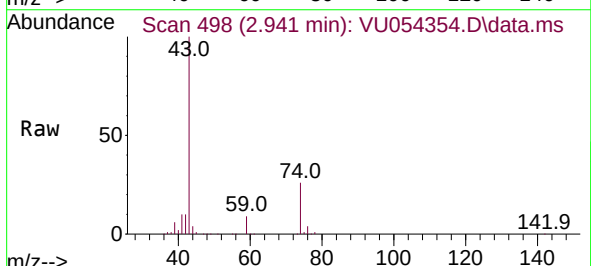
Acq: 31 May 2023 22:09

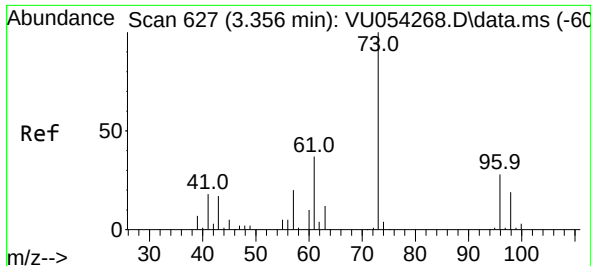
Tgt Ion: 43 Resp: 315432

Ion Ratio Lower Upper

43 100

74 25.4 22.5 33.7

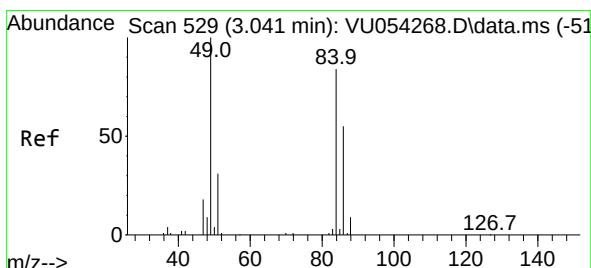
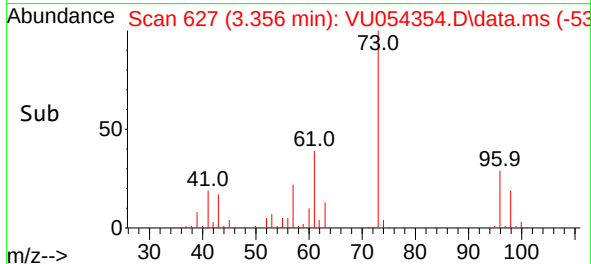
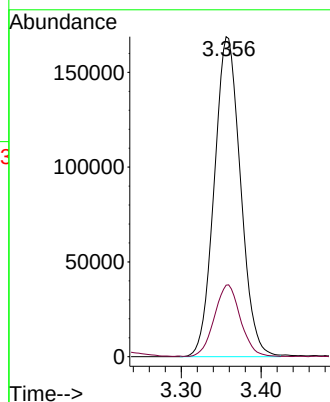
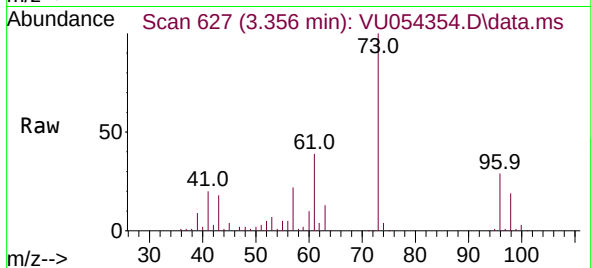




#19
Methyl tert-butyl Ether
Concen: 51.607 ug/l
RT: 3.356 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

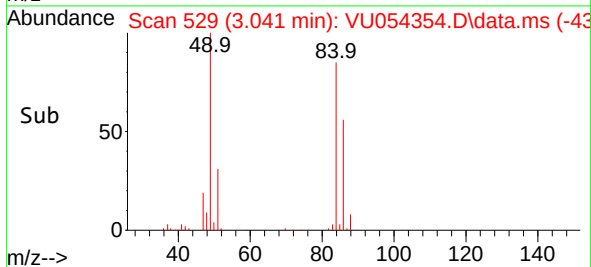
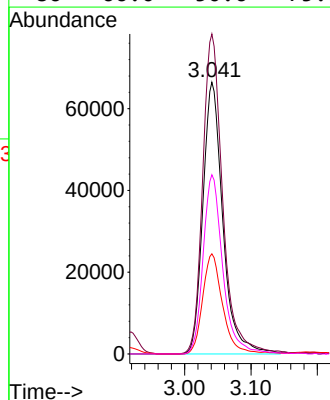
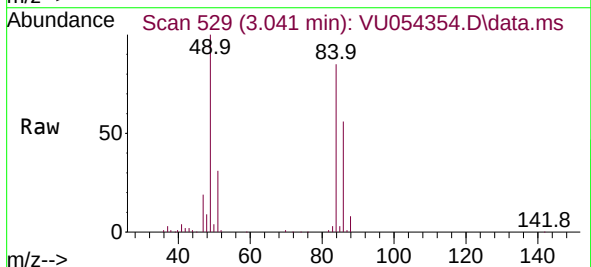
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

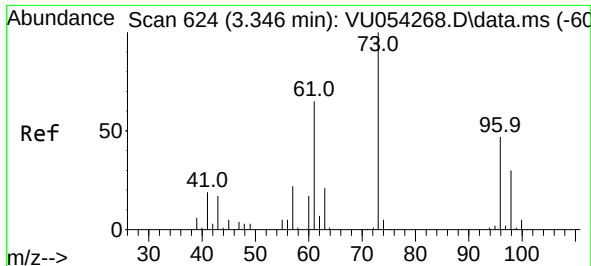
Tgt Ion: 73 Resp: 384287
Ion Ratio Lower Upper
73 100
57 22.2 17.1 25.7



#20
Methylene Chloride
Concen: 48.502 ug/l
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

Tgt Ion: 84 Resp: 139050
Ion Ratio Lower Upper
84 100
49 117.8 86.6 129.8
51 36.9 26.6 40.0
86 66.0 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 50.883 ug/l

RT: 3.346 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

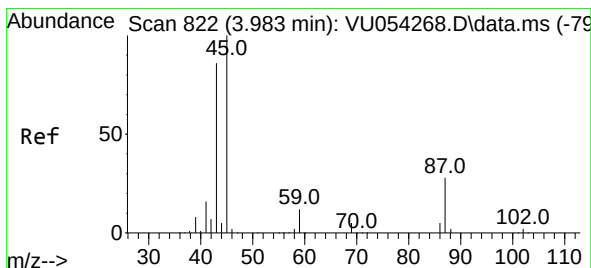
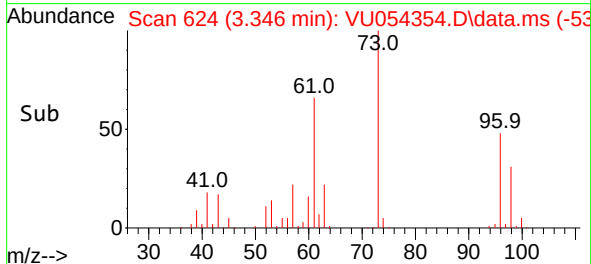
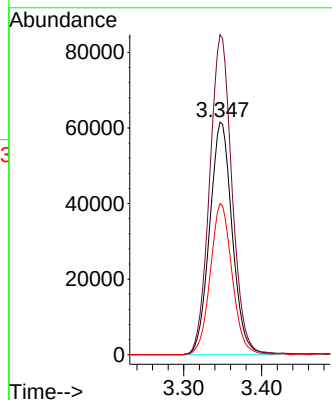
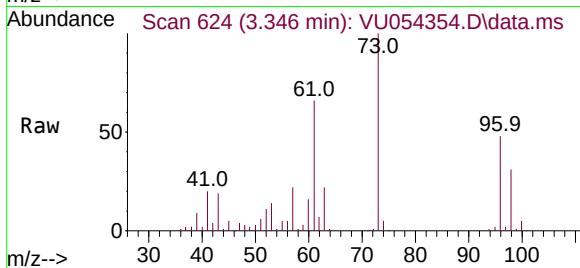
Tgt Ion: 96 Resp: 123925

Ion Ratio Lower Upper

96 100

61 137.5 106.1 159.1

98 64.9 50.8 76.2



#22

Diisopropyl ether

Concen: 54.987 ug/l

RT: 3.983 min Scan# 822

Delta R.T. 0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Tgt Ion: 45 Resp: 384407

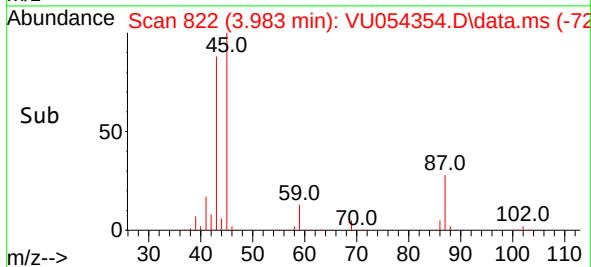
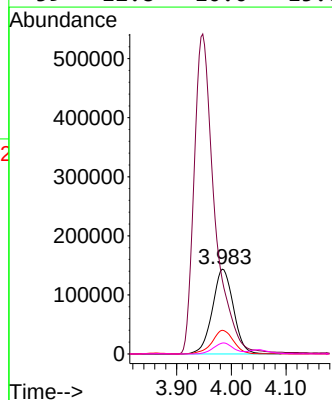
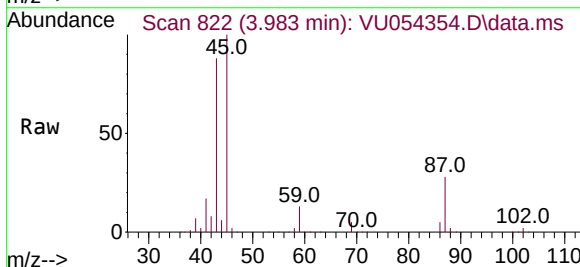
Ion Ratio Lower Upper

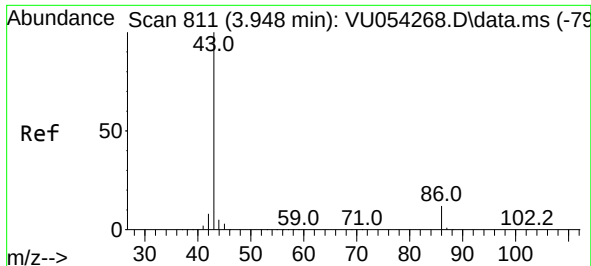
45 100

43 87.8 92.9 139.3#

87 28.0 26.2 39.2

59 12.8 10.0 15.0

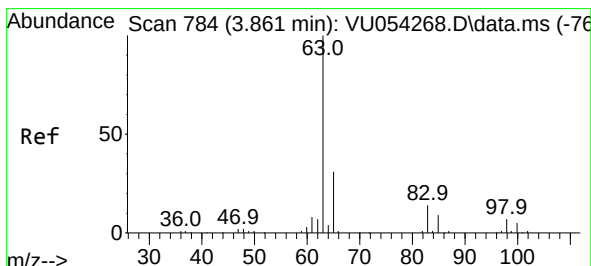
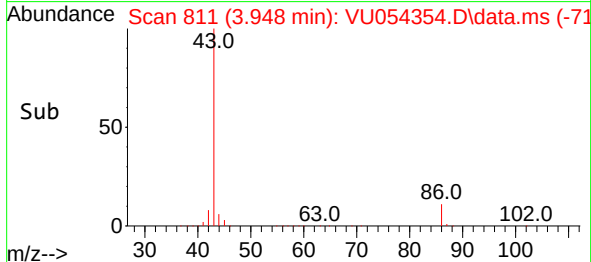
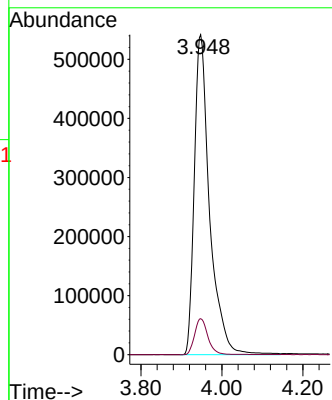
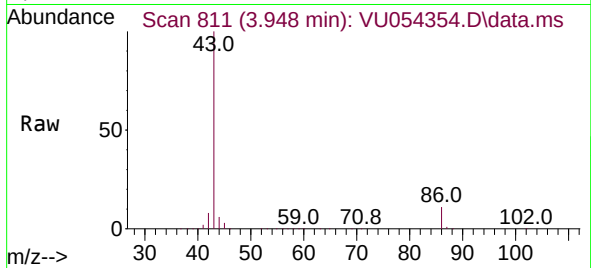




#23
 Vinyl Acetate
 Concen: 278.855 ug/l
 RT: 3.948 min Scan# 811
 Delta R.T. -0.000 min
 Lab File: VU054354.D
 Acq: 31 May 2023 22:09

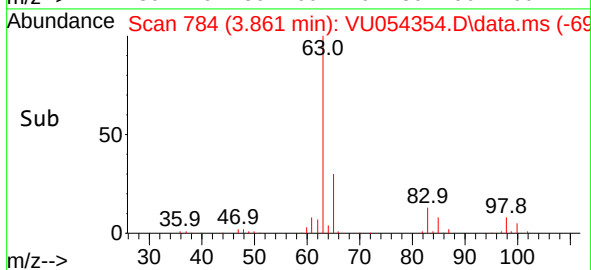
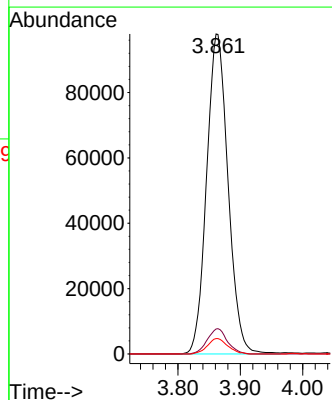
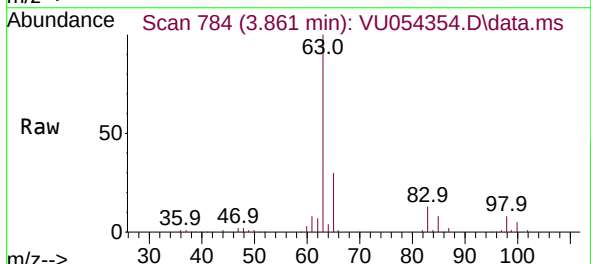
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

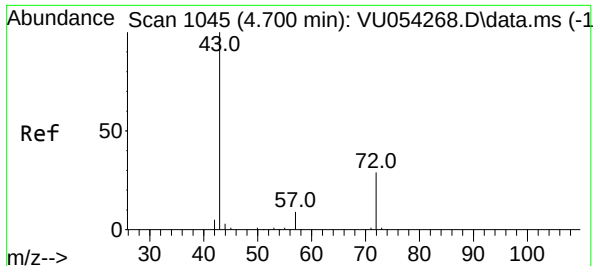
Tgt Ion: 43 Resp: 1422491
 Ion Ratio Lower Upper
 43 100
 86 11.2 9.8 14.8



#24
 1,1-Dichloroethane
 Concen: 52.263 ug/l
 RT: 3.861 min Scan# 784
 Delta R.T. -0.000 min
 Lab File: VU054354.D
 Acq: 31 May 2023 22:09

Tgt Ion: 63 Resp: 233952
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.6 10.9
 100 4.8 2.4 7.2





#25

2-Butanone

Concen: 264.488 ug/l

RT: 4.694 min Scan# 1043

Delta R.T. -0.006 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

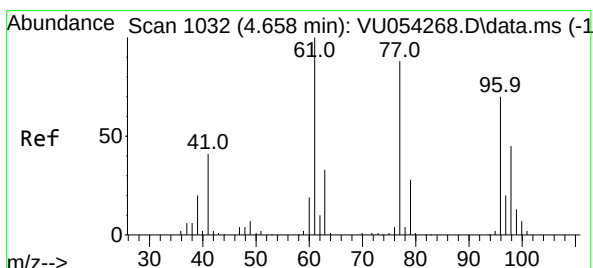
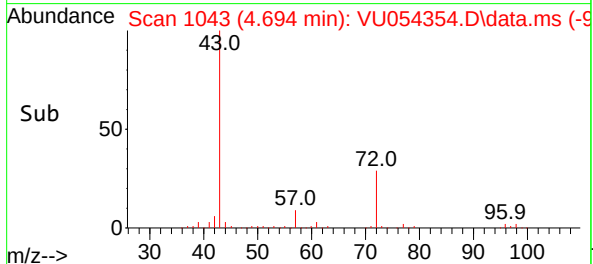
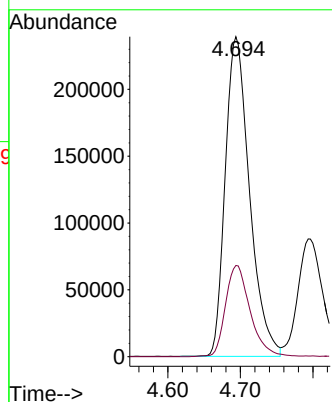
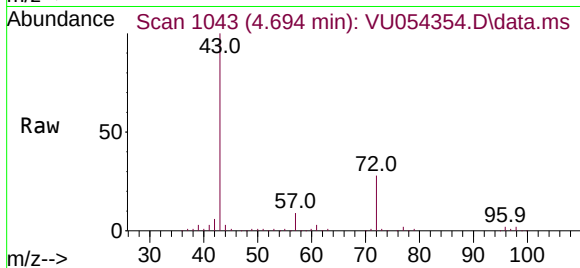
VSTDCCC050

Tgt Ion: 43 Resp: 556489

Ion Ratio Lower Upper

43 100

72 28.5 23.8 35.6



#26

2,2-Dichloropropane

Concen: 40.476 ug/l

RT: 4.658 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VU054354.D

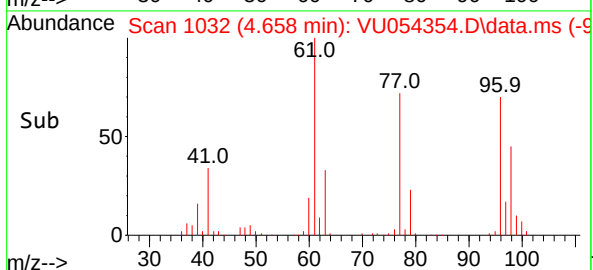
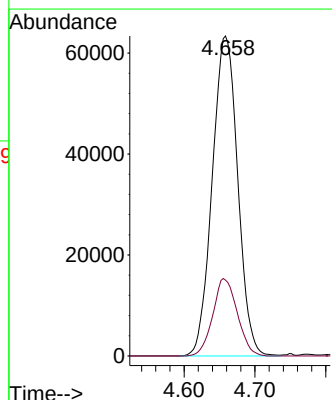
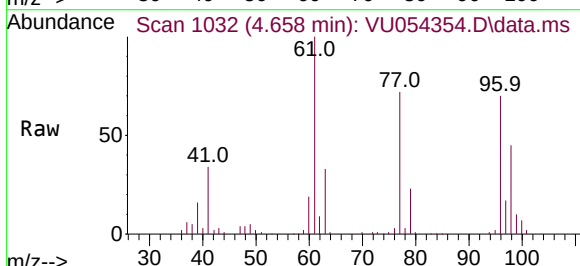
Acq: 31 May 2023 22:09

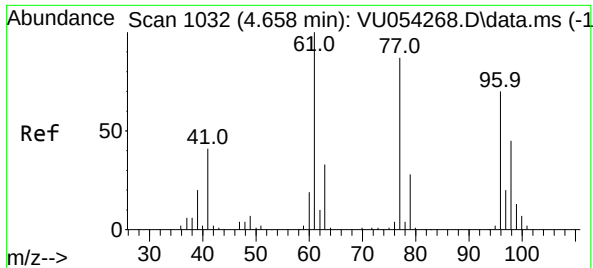
Tgt Ion: 77 Resp: 158341

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.8

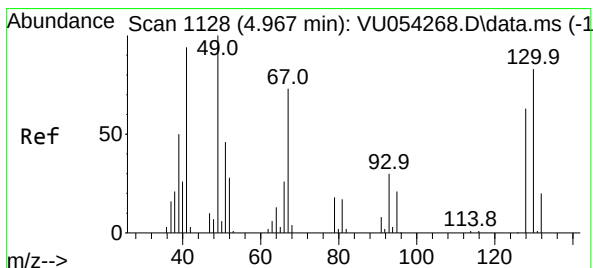
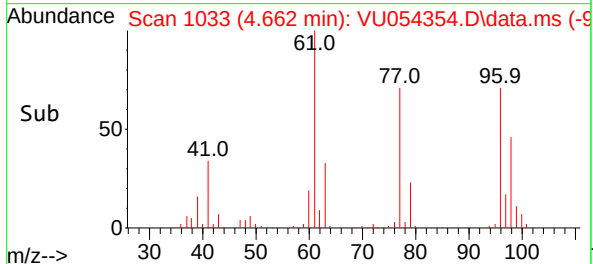
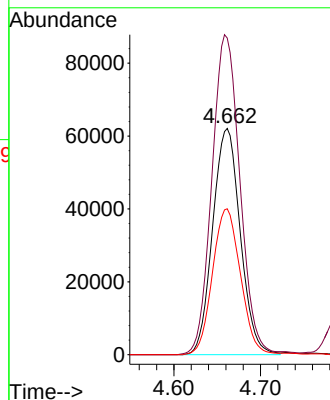
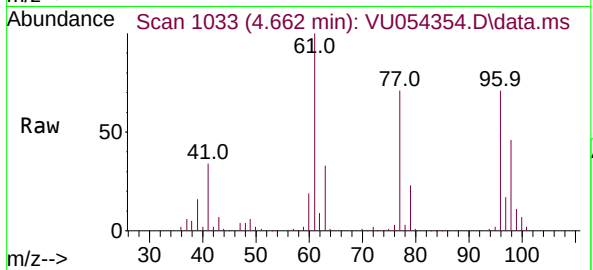




#27
 cis-1,2-Dichloroethene
 Concen: 50.804 ug/l
 RT: 4.662 min Scan# 1033
 Delta R.T. 0.004 min
 Lab File: VU054354.D
 Acq: 31 May 2023 22:09

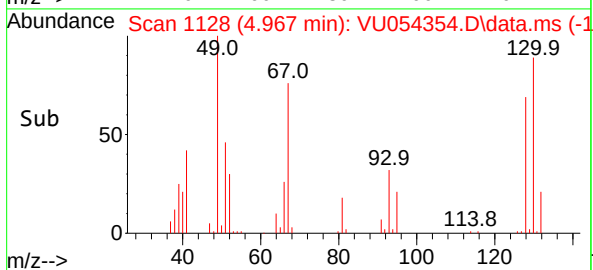
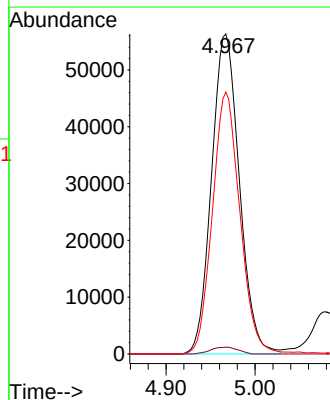
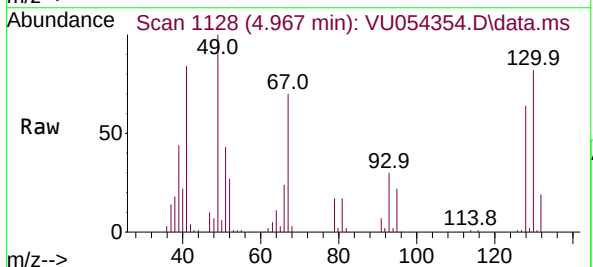
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

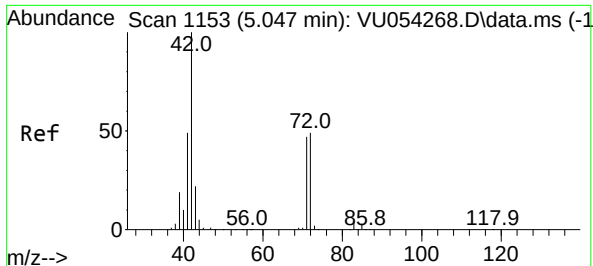
Tgt Ion: 96 Resp: 137644
 Ion Ratio Lower Upper
 96 100
 61 143.9 0.0 271.6
 98 65.2 0.0 128.2



#28
 Bromochloromethane
 Concen: 59.103 ug/l
 RT: 4.967 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VU054354.D
 Acq: 31 May 2023 22:09

Tgt Ion: 49 Resp: 122430
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.6
 130 80.7 76.9 115.3





#29

Tetrahydrofuran

Concen: 276.042 ug/l

RT: 5.044 min Scan# 1152

Delta R.T. -0.003 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

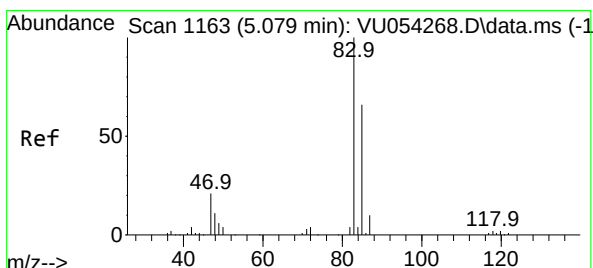
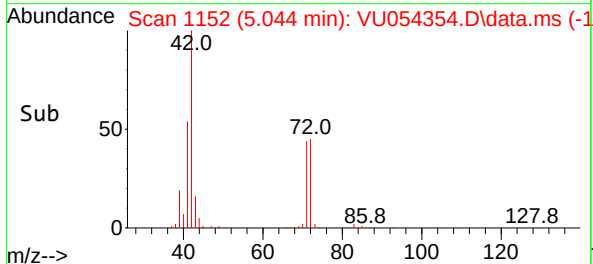
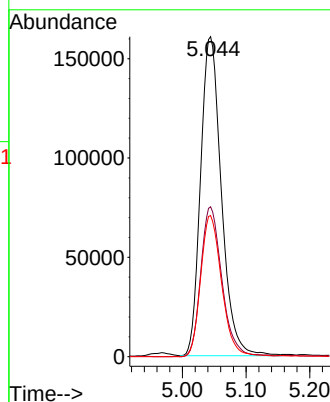
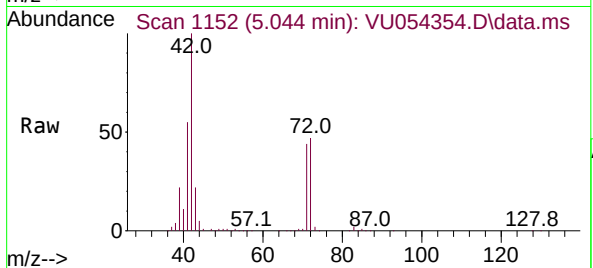
Tgt Ion: 42 Resp: 365077

Ion Ratio Lower Upper

42 100

72 47.9 42.6 63.8

71 44.6 40.3 60.5



#30

Chloroform

Concen: 51.262 ug/l

RT: 5.083 min Scan# 1164

Delta R.T. 0.004 min

Lab File: VU054354.D

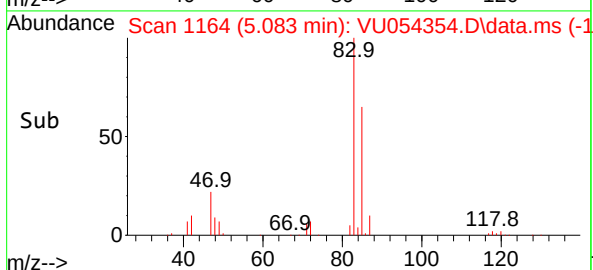
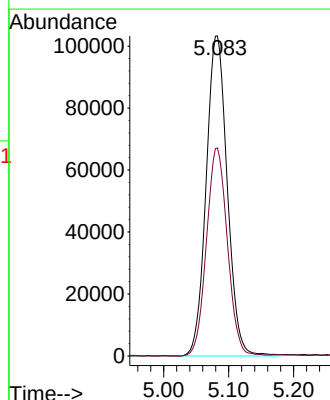
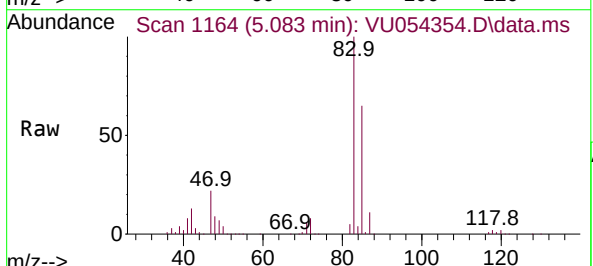
Acq: 31 May 2023 22:09

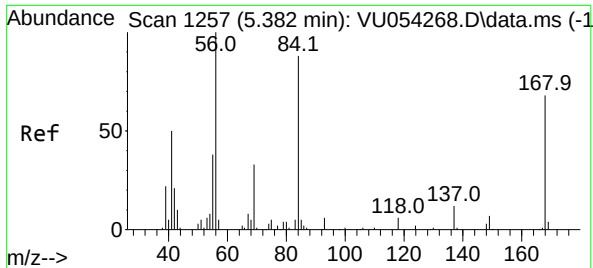
Tgt Ion: 83 Resp: 233262

Ion Ratio Lower Upper

83 100

85 65.0 51.2 76.8

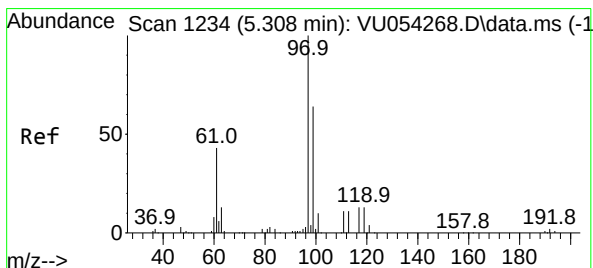
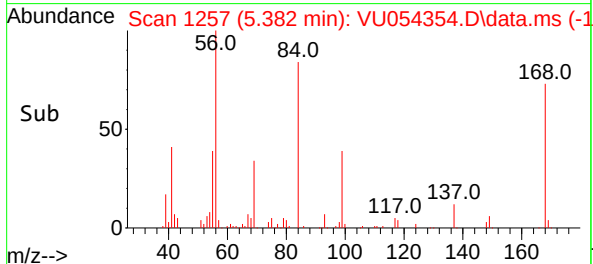
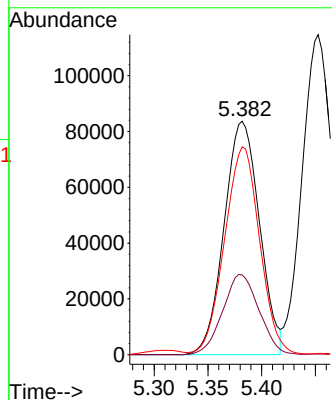
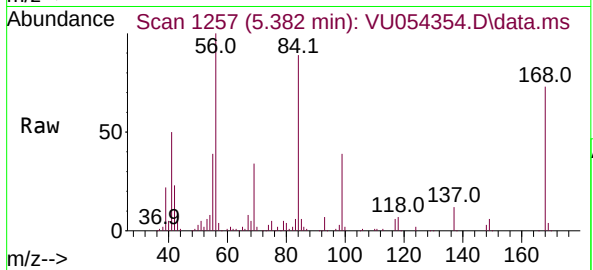




#31
Cyclohexane
Concen: 48.934 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

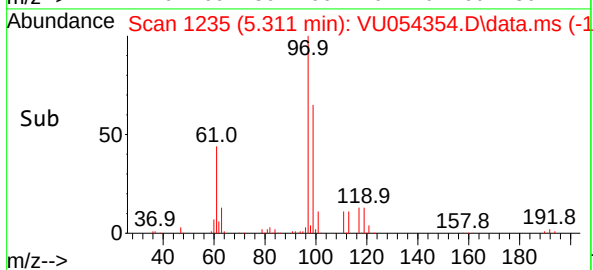
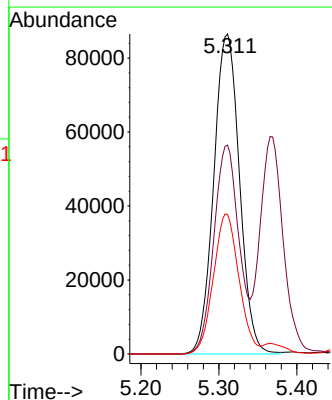
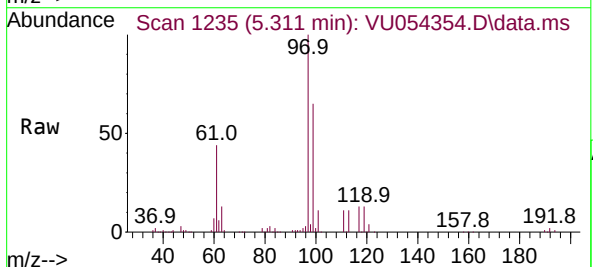
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

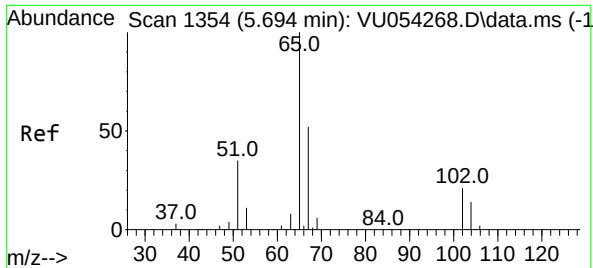
Tgt Ion: 56 Resp: 191560
Ion Ratio Lower Upper
56 100
69 34.1 27.8 41.8
84 87.8 74.2 111.4



#32
1,1,1-Trichloroethane
Concen: 50.340 ug/l
RT: 5.311 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

Tgt Ion: 97 Resp: 198868
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.6
61 43.5 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 52.677 ug/l

RT: 5.697 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

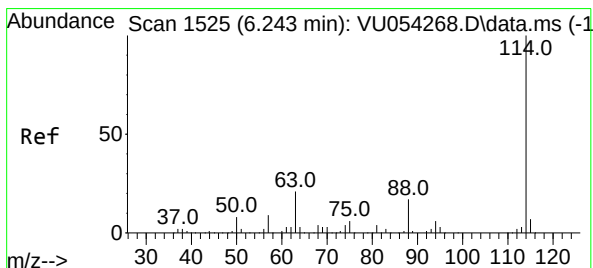
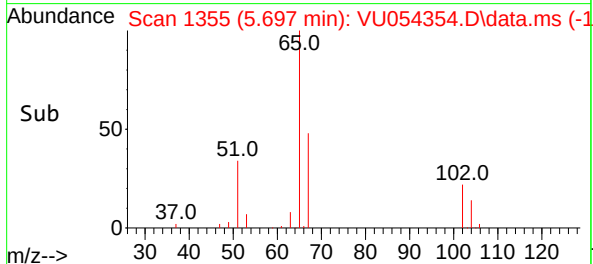
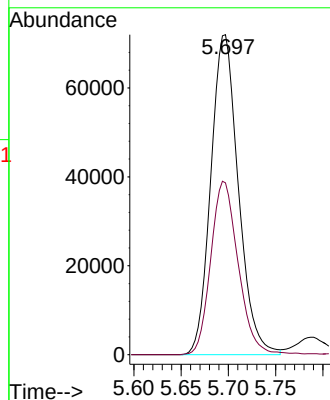
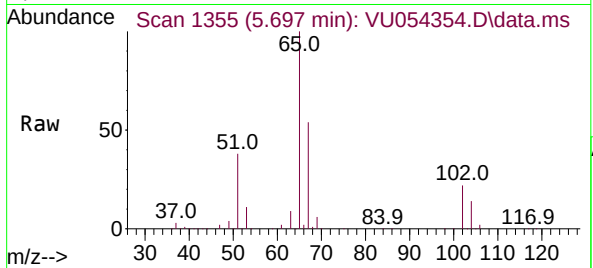
VSTDCCC050

Tgt Ion: 65 Resp: 146038

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.244 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

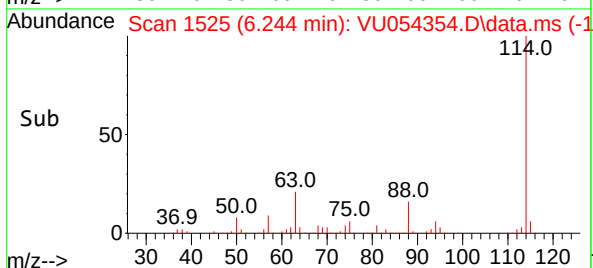
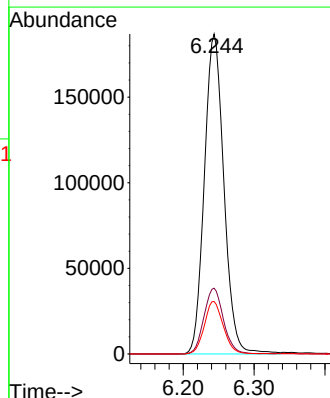
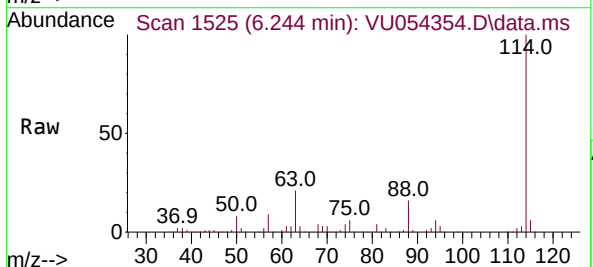
Tgt Ion: 114 Resp: 357682

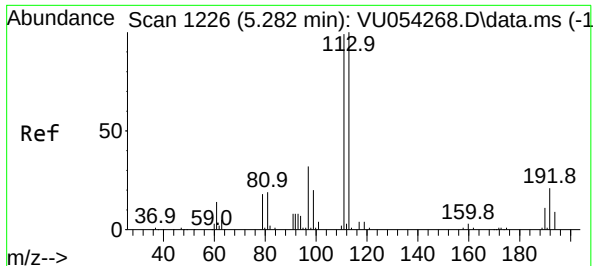
Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.8

88 16.4 0.0 29.2





#35

Dibromofluoromethane

Concen: 51.791 ug/l

RT: 5.282 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

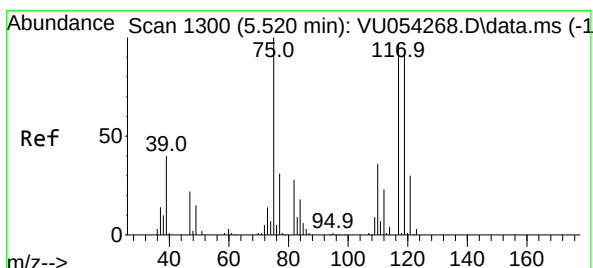
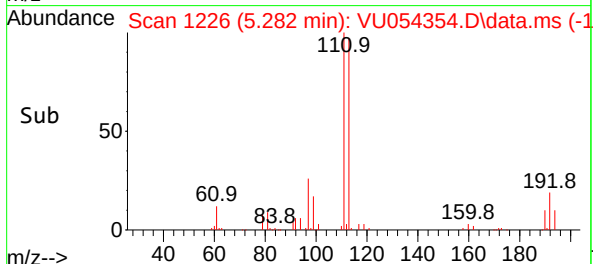
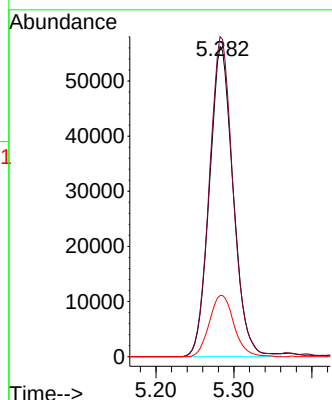
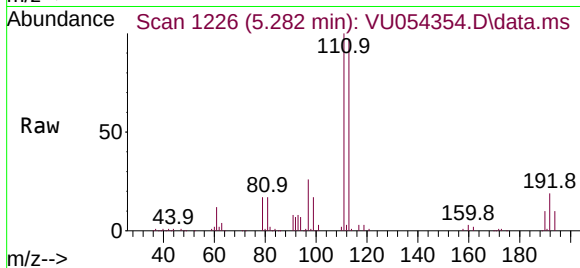
Tgt Ion:113 Resp: 119294

Ion Ratio Lower Upper

113 100

111 102.4 82.1 123.1

192 20.4 18.0 27.0



#36

1,1-Dichloropropene

Concen: 45.086 ug/l

RT: 5.520 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

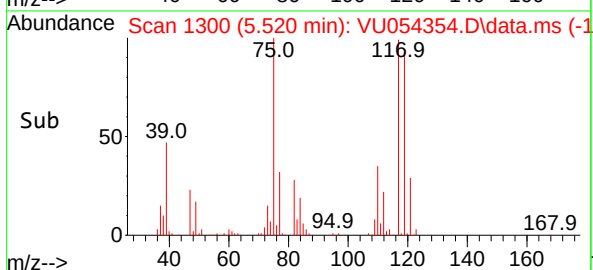
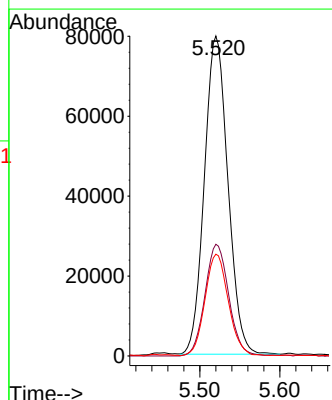
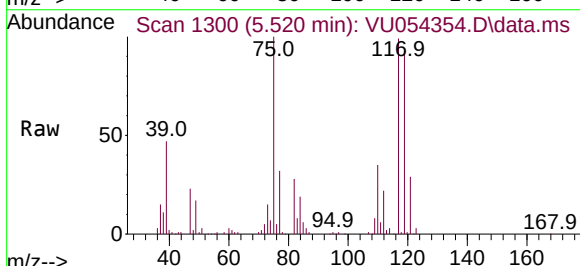
Tgt Ion: 75 Resp: 163116

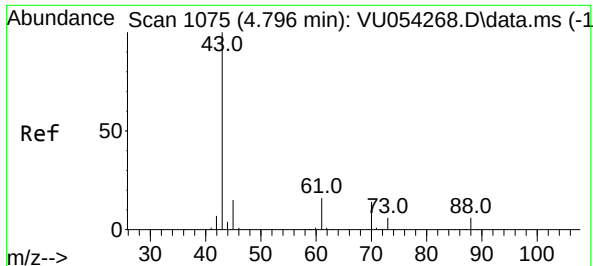
Ion Ratio Lower Upper

75 100

110 35.4 18.4 55.2

77 31.5 25.1 37.7





#37

Ethyl Acetate

Concen: 47.076 ug/l

RT: 4.793 min Scan# 1075

Delta R.T. -0.003 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

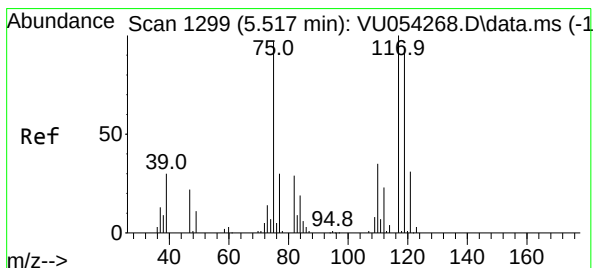
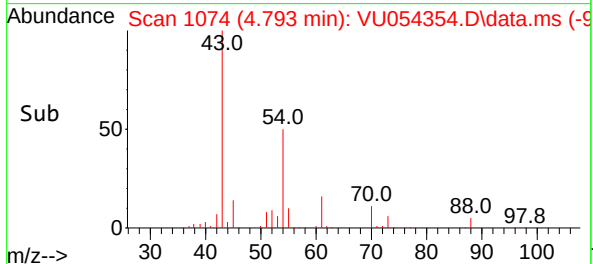
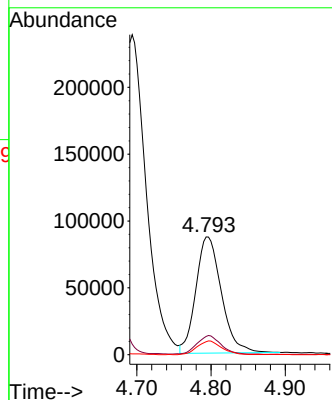
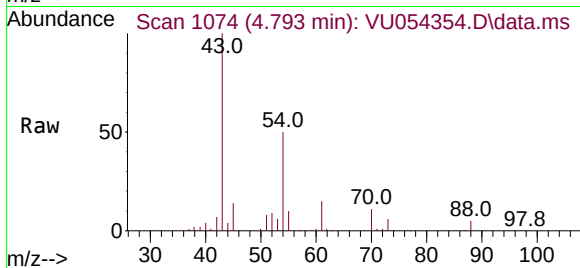
Tgt Ion: 43 Resp: 207566

Ion Ratio Lower Upper

43 100

61 14.9 9.5 14.3#

70 11.3 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 46.296 ug/l

RT: 5.520 min Scan# 1300

Delta R.T. 0.003 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

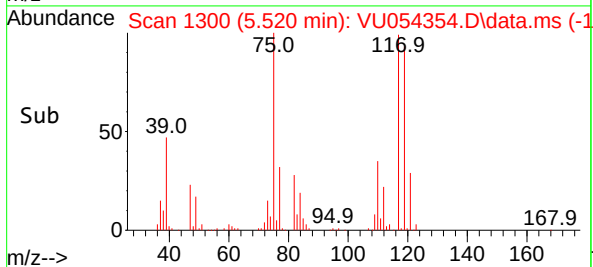
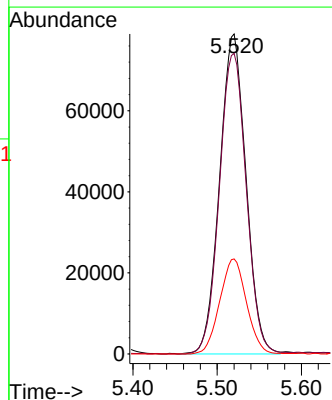
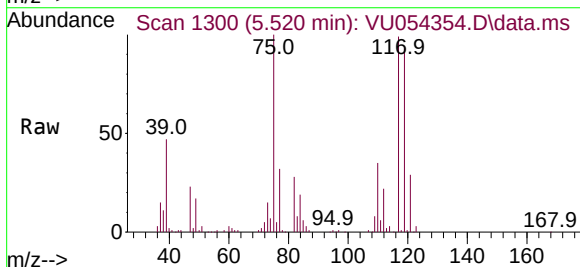
Tgt Ion: 117 Resp: 171435

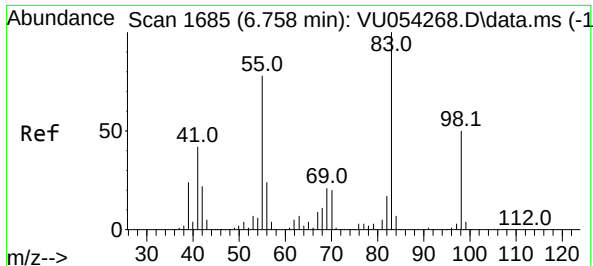
Ion Ratio Lower Upper

117 100

119 93.9 76.8 115.2

121 29.7 24.7 37.1





#39

Methylcyclohexane

Concen: 46.143 ug/l

RT: 6.758 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

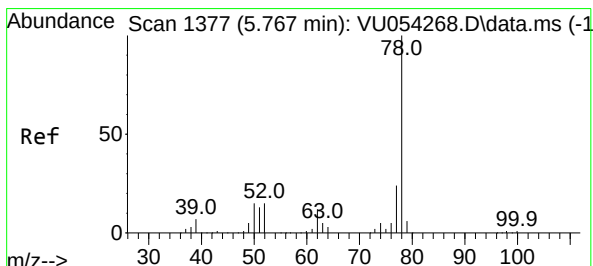
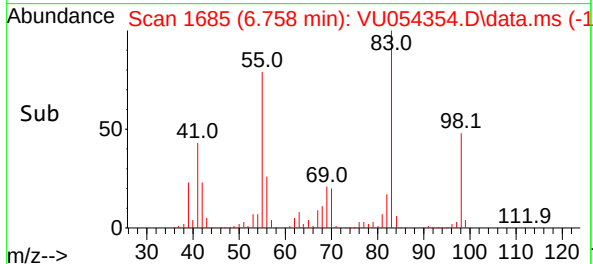
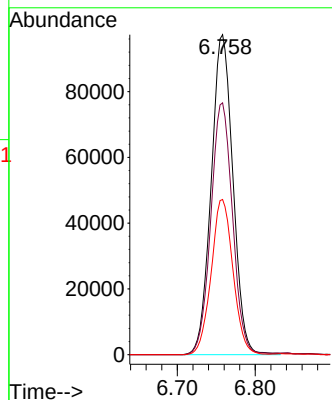
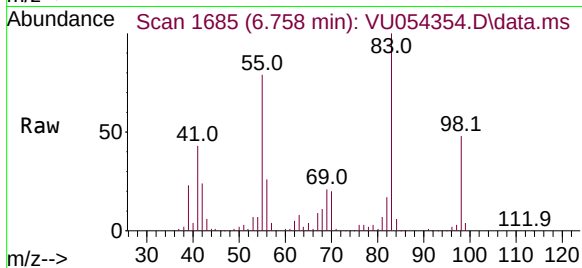
Tgt Ion: 83 Resp: 189084

Ion Ratio Lower Upper

83 100

55 78.7 55.3 82.9

98 48.5 37.3 55.9



#40

Benzene

Concen: 49.506 ug/l

RT: 5.768 min Scan# 1377

Delta R.T. 0.001 min

Lab File: VU054354.D

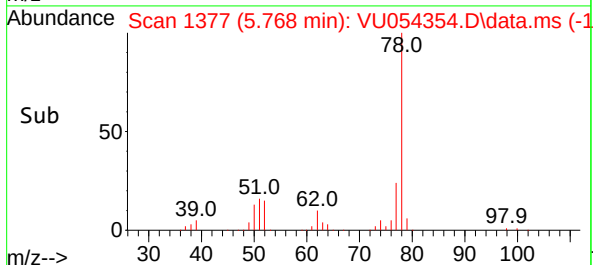
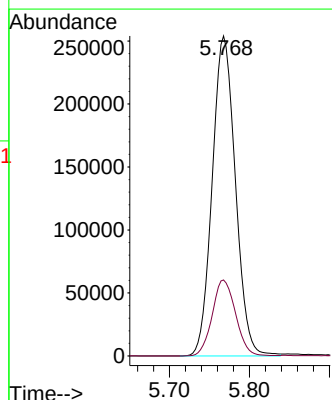
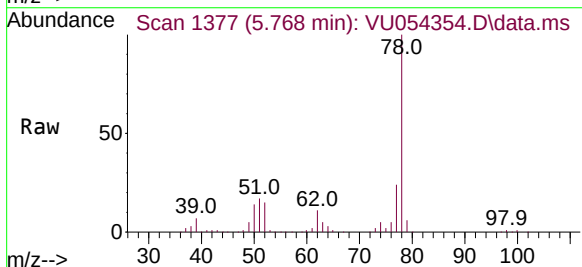
Acq: 31 May 2023 22:09

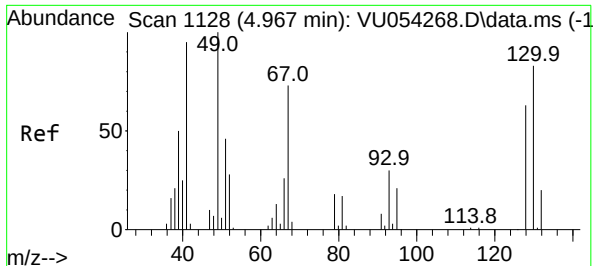
Tgt Ion: 78 Resp: 510885

Ion Ratio Lower Upper

78 100

77 23.7 18.8 28.2



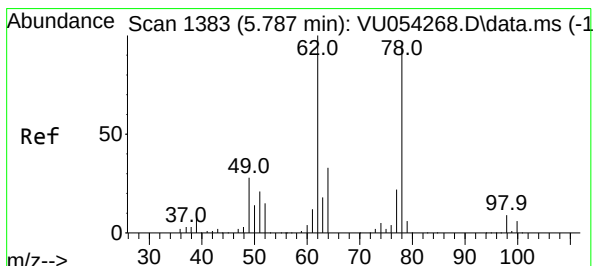
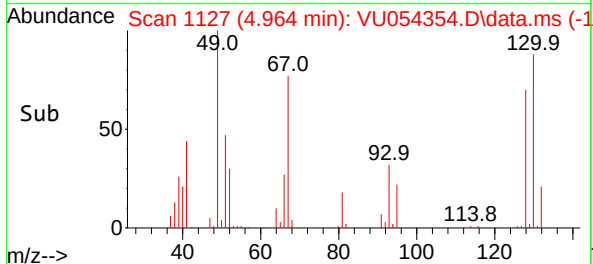
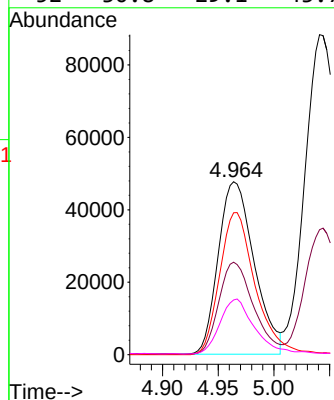
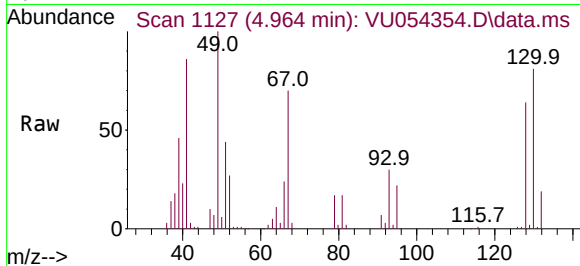


#41
Methacrylonitrile
Concen: 52.496 ug/l
RT: 4.964 min Scan# 1127
Delta R.T. -0.003 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 106974

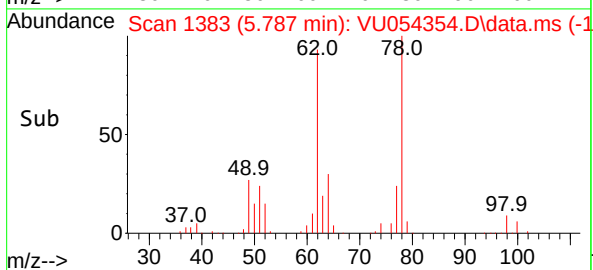
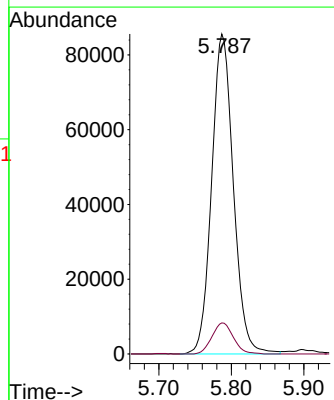
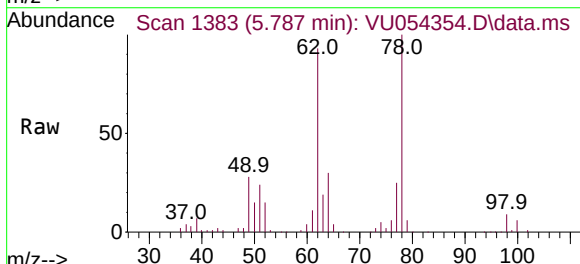
Ion	Ratio	Lower	Upper
41	100		
39	51.7	43.1	64.7
67	82.3	72.3	108.5
52	30.8	29.1	43.7

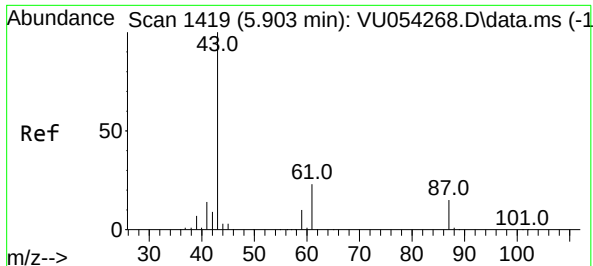


#42
1,2-Dichloroethane
Concen: 47.495 ug/l
RT: 5.787 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

Tgt Ion: 62 Resp: 178047

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6

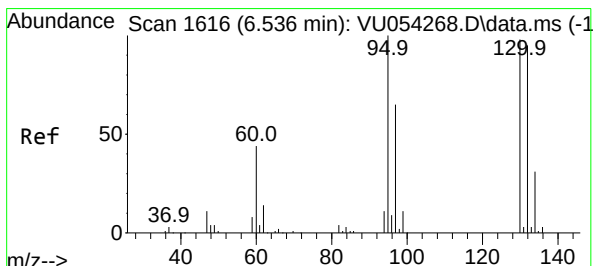
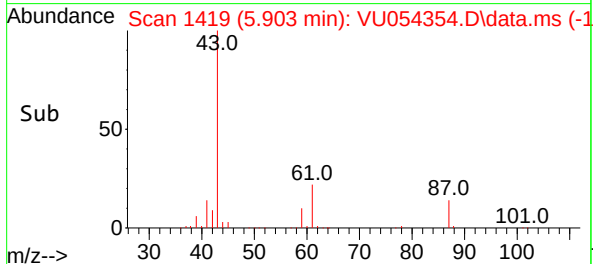
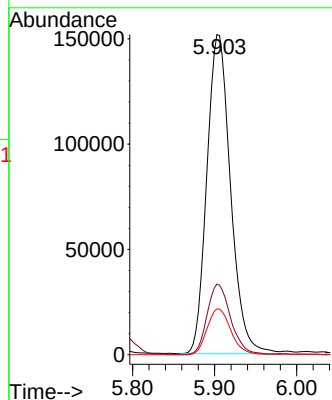
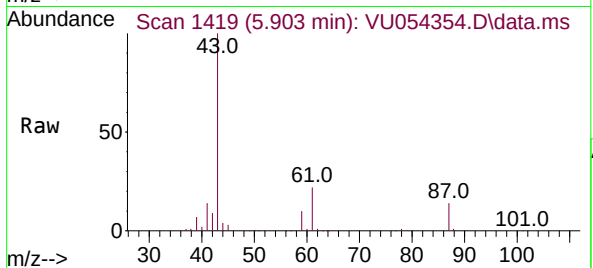




#43
Isopropyl Acetate
Concen: 50.009 ug/l
RT: 5.903 min Scan# 1419
Delta R.T. -0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

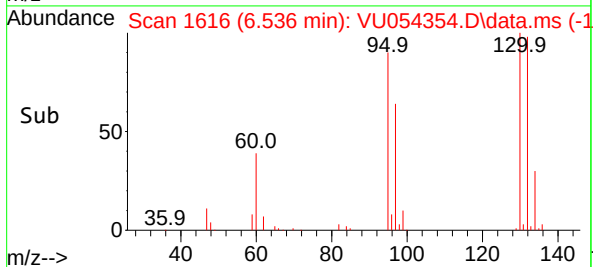
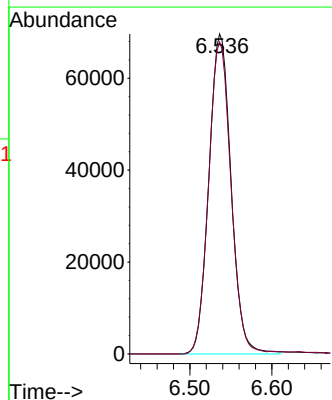
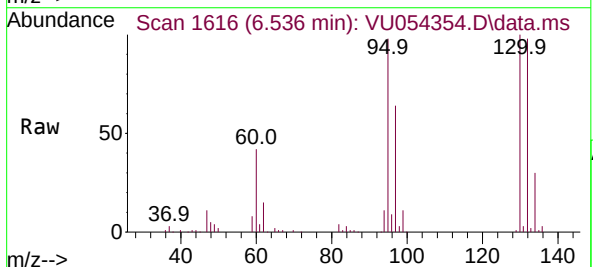
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

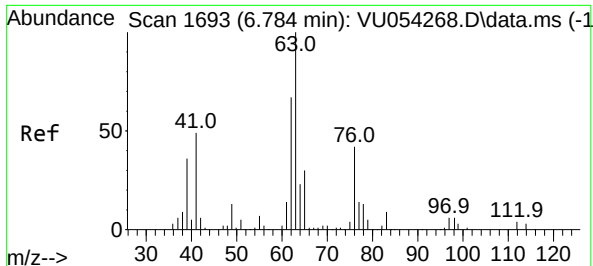
Tgt Ion: 43 Resp: 304145
Ion Ratio Lower Upper
43 100
61 22.0 17.4 26.0
87 14.3 12.6 18.8



#44
Trichloroethene
Concen: 45.344 ug/l
RT: 6.536 min Scan# 1616
Delta R.T. 0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

Tgt Ion:130 Resp: 130805
Ion Ratio Lower Upper
130 100
95 97.5 0.0 184.6





#45

1,2-Dichloropropane

Concen: 51.272 ug/l

RT: 6.784 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

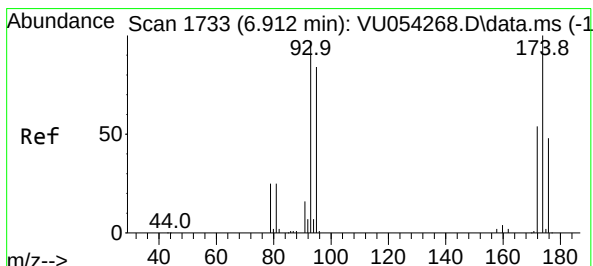
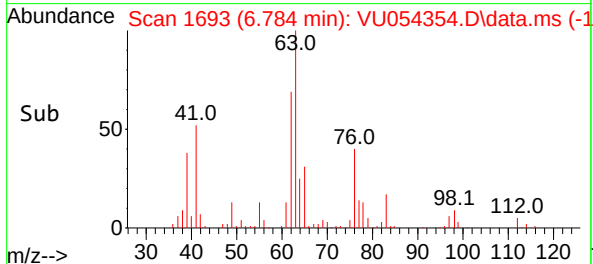
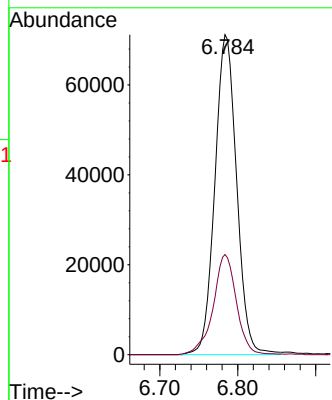
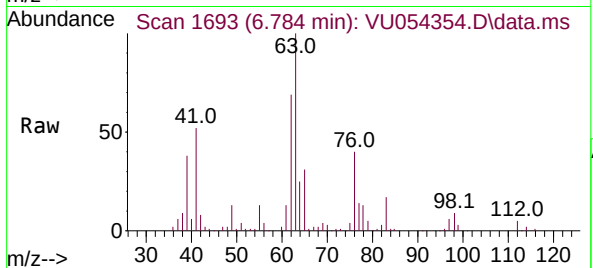
VSTDCCC050

Tgt Ion: 63 Resp: 138028

Ion Ratio Lower Upper

63 100

65 31.1 25.0 37.4



#46

Dibromomethane

Concen: 48.633 ug/l

RT: 6.912 min Scan# 1733

Delta R.T. 0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

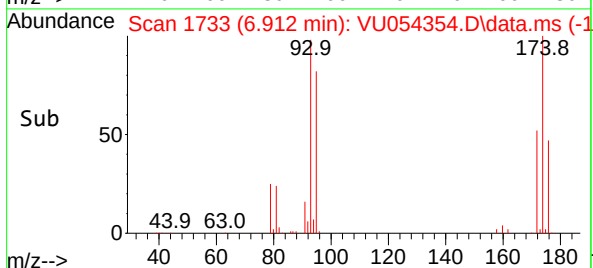
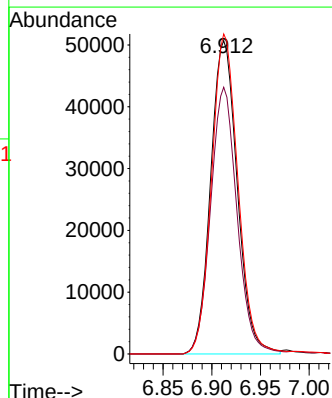
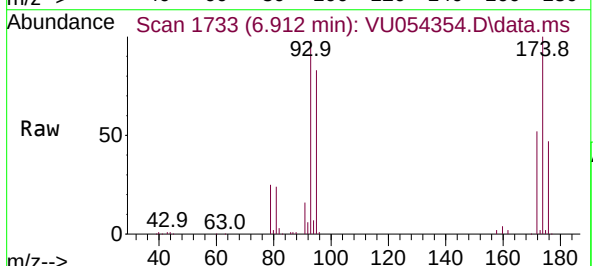
Tgt Ion: 93 Resp: 96373

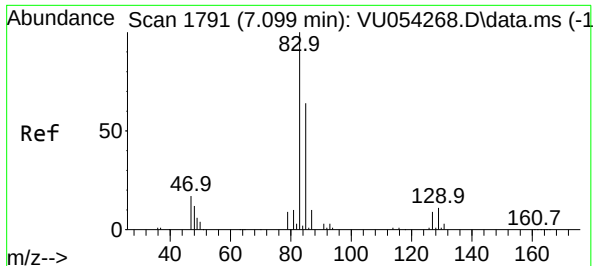
Ion Ratio Lower Upper

93 100

95 84.4 66.3 99.5

174 102.1 88.2 132.4





#47

Bromodichloromethane

Concen: 49.389 ug/l

RT: 7.099 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

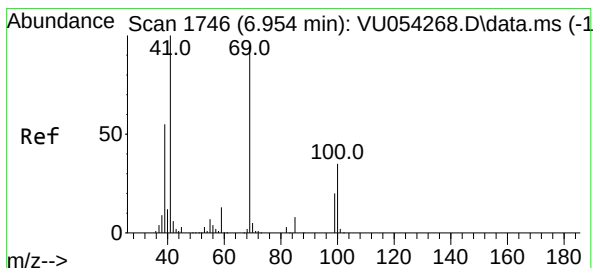
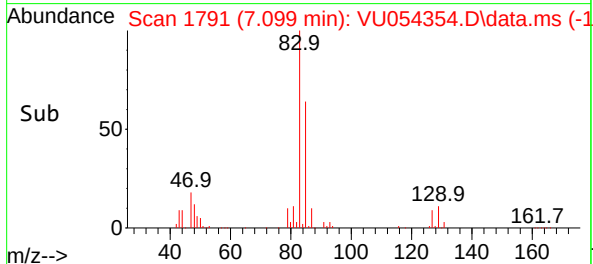
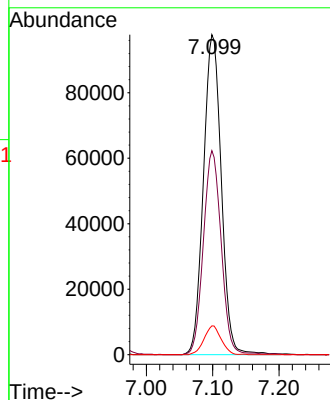
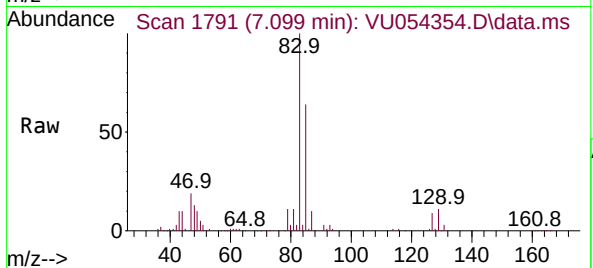
Tgt Ion: 83 Resp: 183031

Ion Ratio Lower Upper

83 100

85 63.8 51.4 77.2

127 9.0 7.1 10.7



#48

Methyl methacrylate

Concen: 52.051 ug/l

RT: 6.954 min Scan# 1746

Delta R.T. 0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

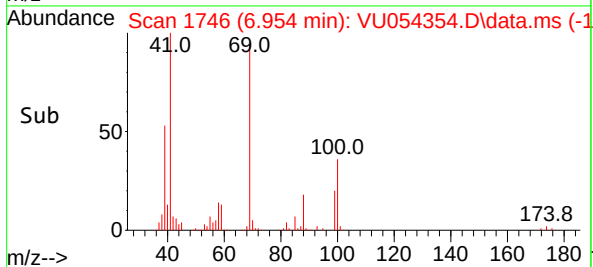
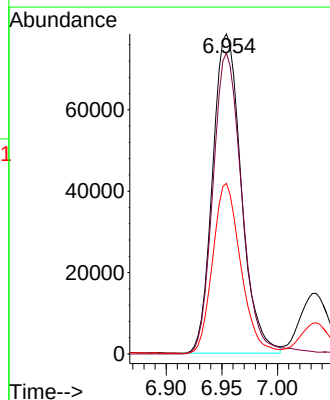
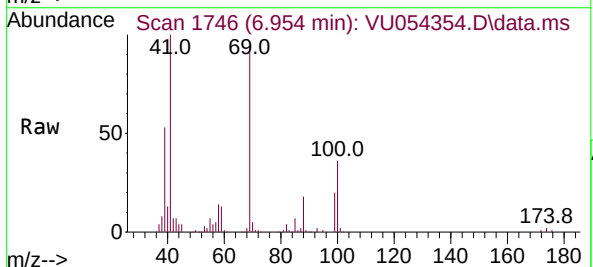
Tgt Ion: 41 Resp: 140385

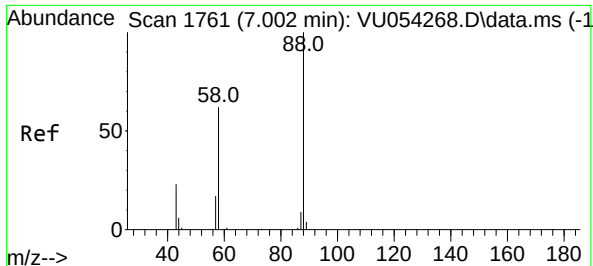
Ion Ratio Lower Upper

41 100

69 95.5 79.8 119.6

39 52.0 47.9 71.9





#49

1,4-Dioxane

Concen: 1094.499 ug/l

RT: 6.973 min Scan# 1

Delta R.T. -0.029 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

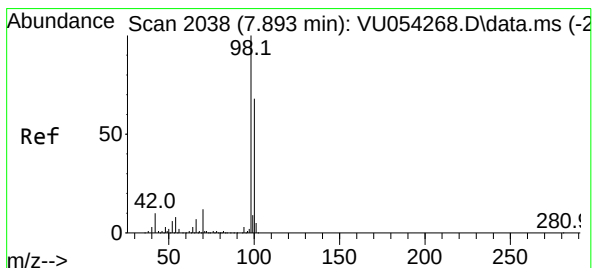
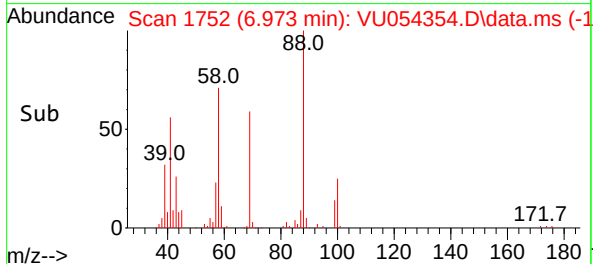
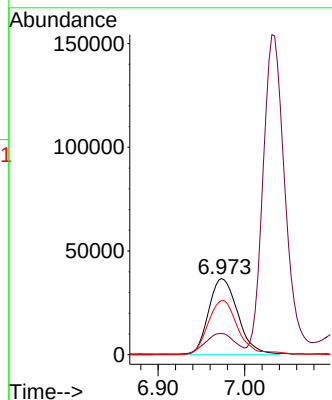
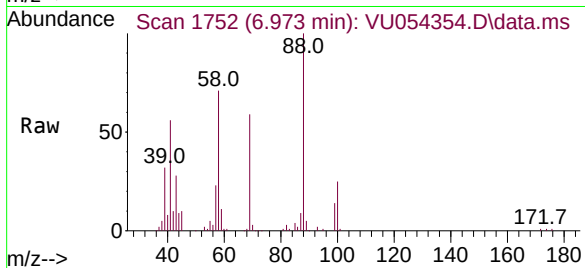
Tgt Ion: 88 Resp: 85221

Ion Ratio Lower Upper

88 100

43 27.6 0.0 0.0#

58 74.5 15.4 23.0#



#50

Toluene-d8

Concen: 50.760 ug/l

RT: 7.893 min Scan# 2038

Delta R.T. -0.000 min

Lab File: VU054354.D

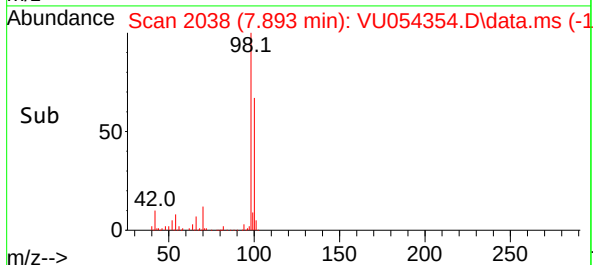
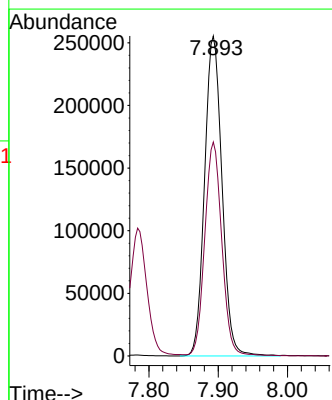
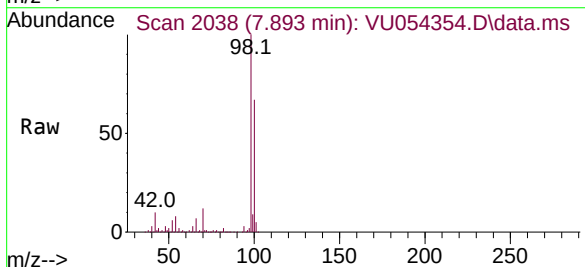
Acq: 31 May 2023 22:09

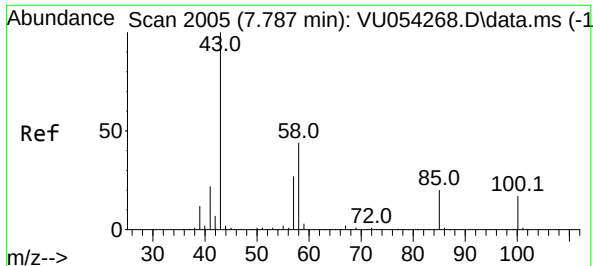
Tgt Ion: 98 Resp: 444731

Ion Ratio Lower Upper

98 100

100 65.4 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 258.788 ug/l

RT: 7.784 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

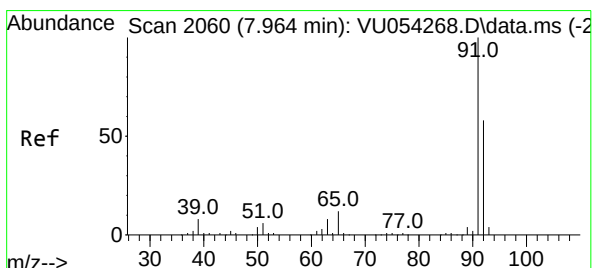
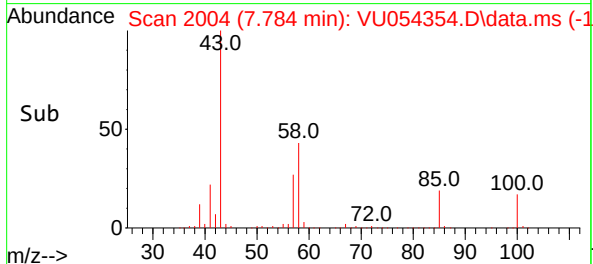
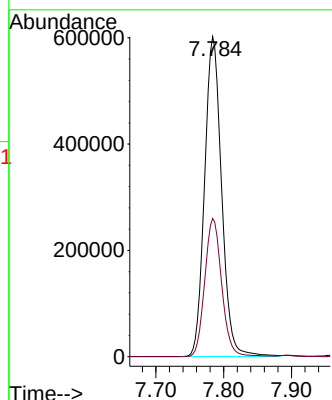
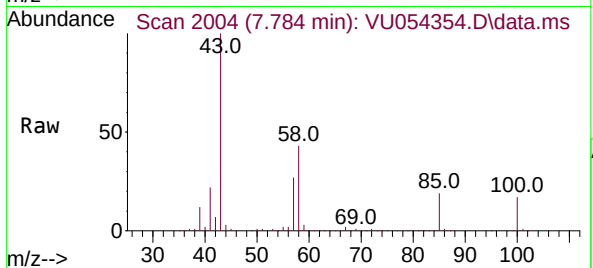
VSTDCCC050

Tgt Ion: 43 Resp: 1050316

Ion Ratio Lower Upper

43 100

58 43.1 34.7 52.1



#52

Toluene

Concen: 48.252 ug/l

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU054354.D

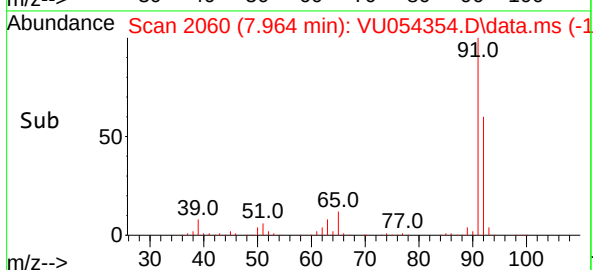
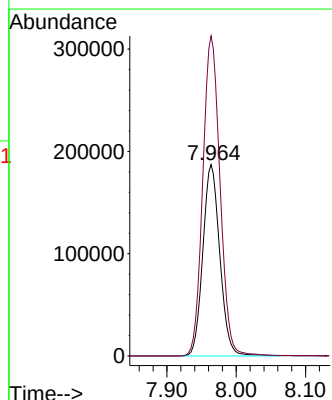
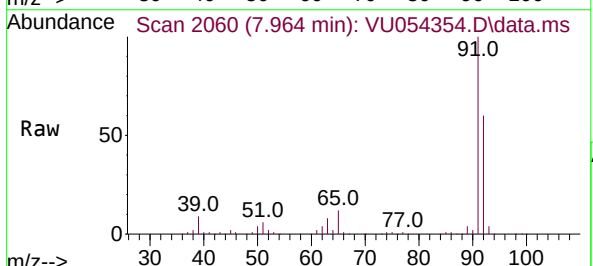
Acq: 31 May 2023 22:09

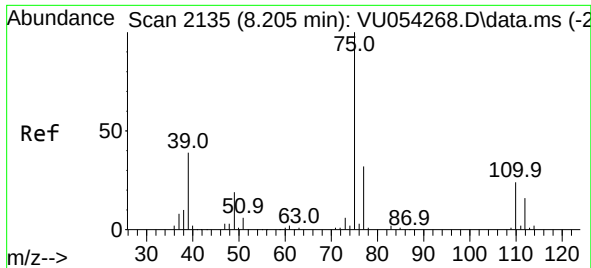
Tgt Ion: 92 Resp: 317501

Ion Ratio Lower Upper

92 100

91 170.6 138.2 207.4

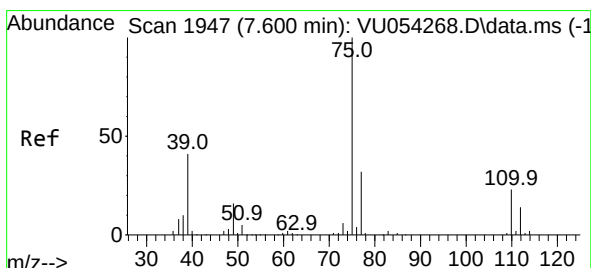
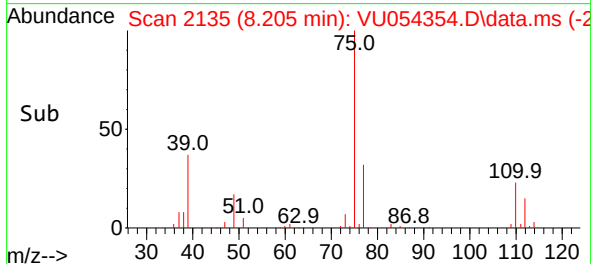
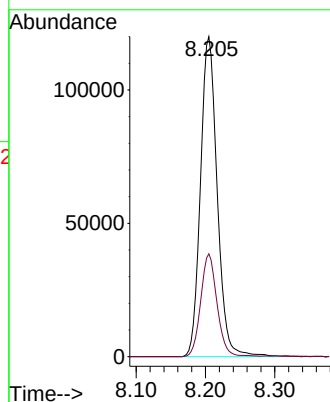
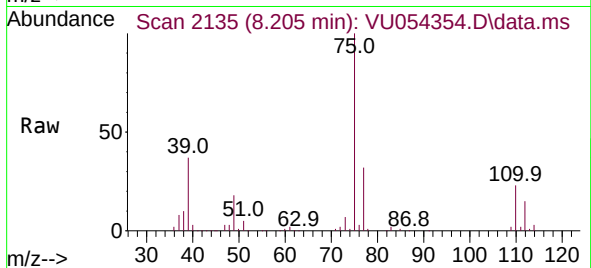




#53
 t-1,3-Dichloropropene
 Concen: 47.513 ug/l
 RT: 8.205 min Scan# 2135
 Delta R.T. -0.000 min
 Lab File: VU054354.D
 Acq: 31 May 2023 22:09

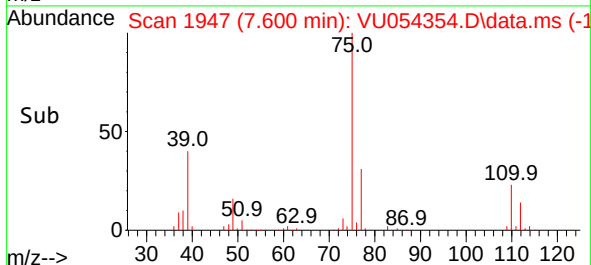
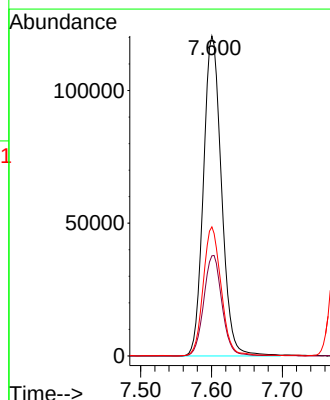
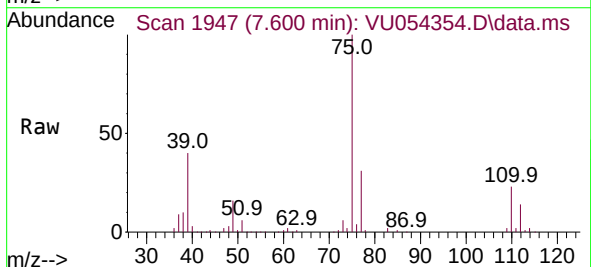
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

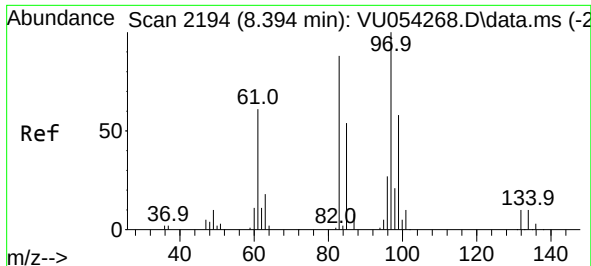
Tgt Ion: 75 Resp: 201447
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 48.266 ug/l
 RT: 7.600 min Scan# 1947
 Delta R.T. 0.000 min
 Lab File: VU054354.D
 Acq: 31 May 2023 22:09

Tgt Ion: 75 Resp: 213563
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.7 38.5
 39 40.3 33.0 49.6





#55

1,1,2-Trichloroethane

Concen: 49.397 ug/l

RT: 8.395 min Scan# 2194

Delta R.T. 0.001 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 134704

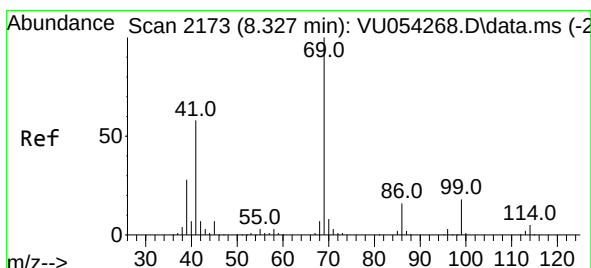
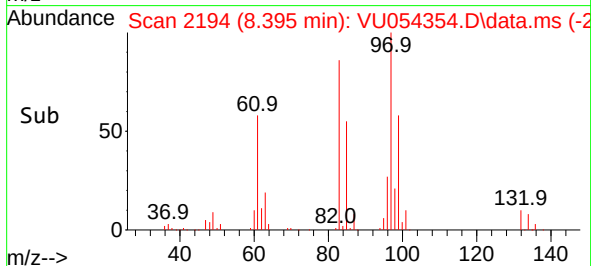
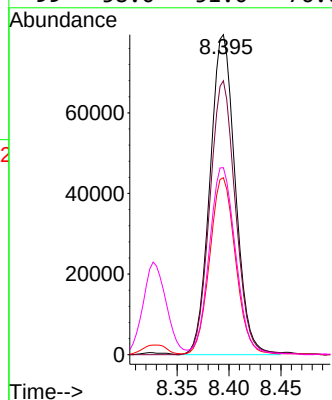
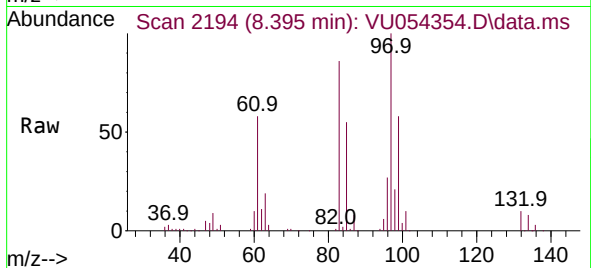
Ion Ratio Lower Upper

97 100

83 85.6 70.2 105.4

85 55.0 44.6 66.8

99 58.0 51.0 76.6



#56

Ethyl methacrylate

Concen: 51.185 ug/l

RT: 8.327 min Scan# 2173

Delta R.T. 0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

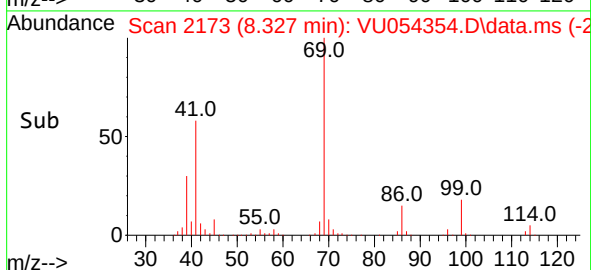
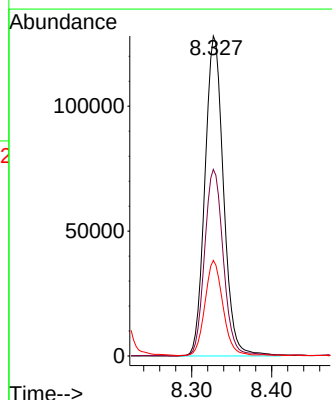
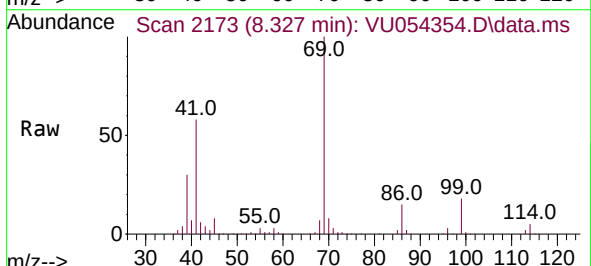
Tgt Ion: 69 Resp: 207769

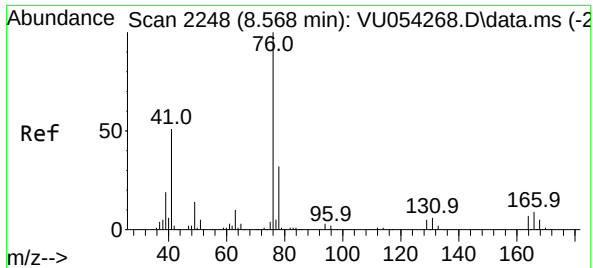
Ion Ratio Lower Upper

69 100

41 59.3 45.4 68.0

39 28.5 25.7 38.5





#57

1,3-Dichloropropane

Concen: 49.377 ug/l

RT: 8.568 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

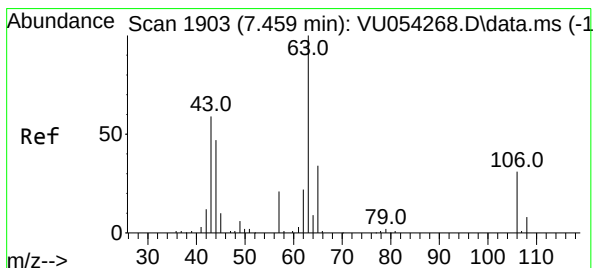
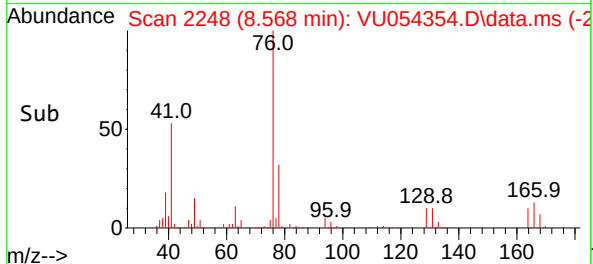
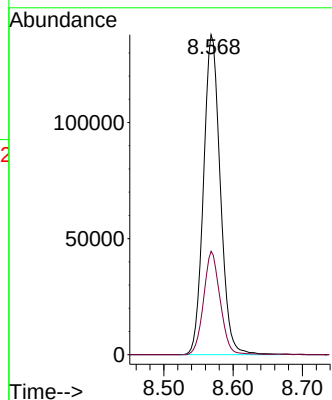
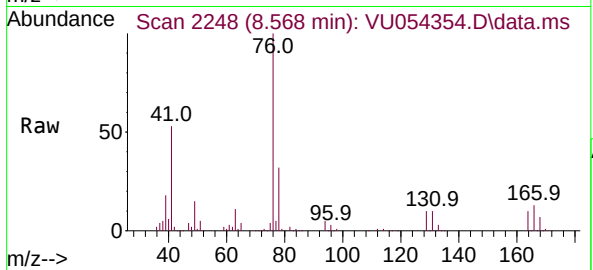
VSTDCCC050

Tgt Ion: 76 Resp: 231883

Ion Ratio Lower Upper

76 100

78 31.8 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 344.943 ug/l

RT: 7.456 min Scan# 1902

Delta R.T. -0.003 min

Lab File: VU054354.D

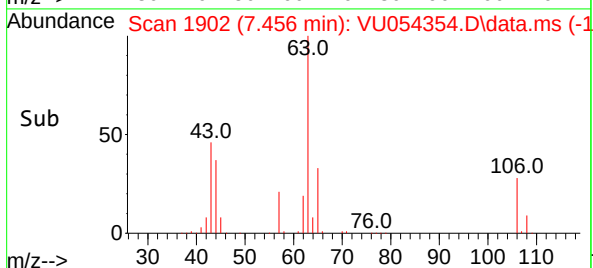
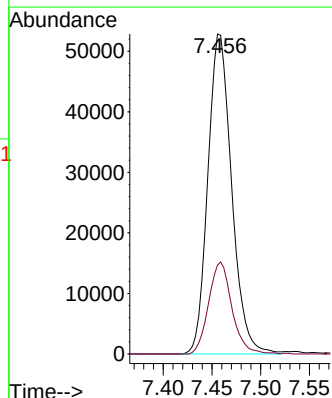
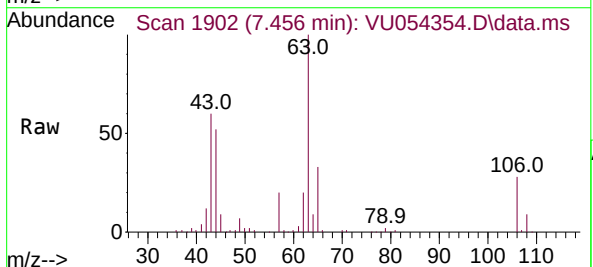
Acq: 31 May 2023 22:09

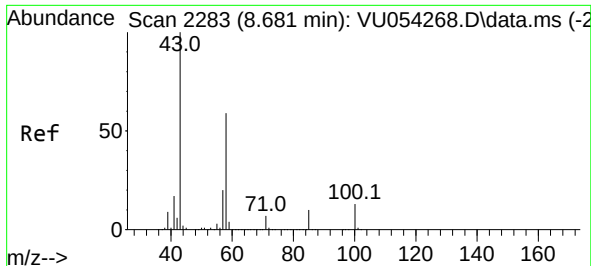
Tgt Ion: 63 Resp: 89772

Ion Ratio Lower Upper

63 100

106 28.1 23.1 34.7





#59

2-Hexanone

Concen: 255.090 ug/l

RT: 8.677 min Scan# 21

Delta R.T. -0.004 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

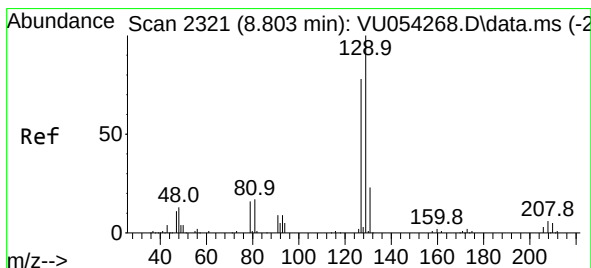
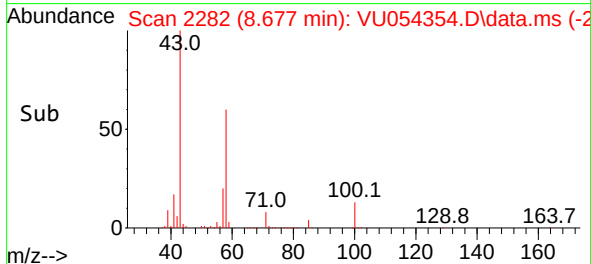
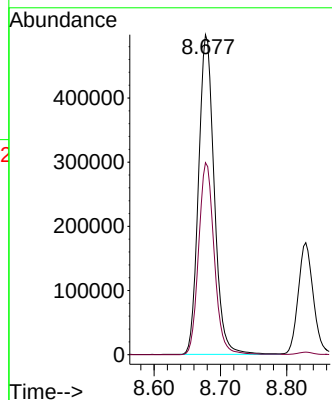
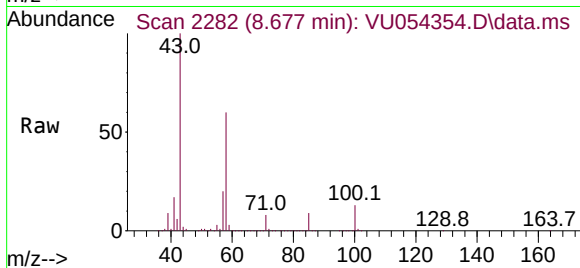
VSTDCCC050

Tgt Ion: 43 Resp: 817843

Ion Ratio Lower Upper

43 100

58 59.8 30.3 90.8



#60

Dibromochloromethane

Concen: 49.797 ug/l

RT: 8.803 min Scan# 2321

Delta R.T. -0.000 min

Lab File: VU054354.D

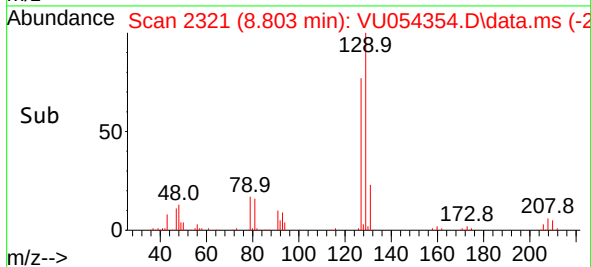
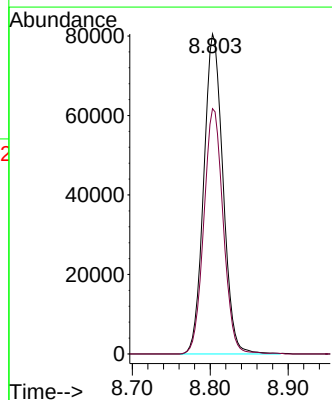
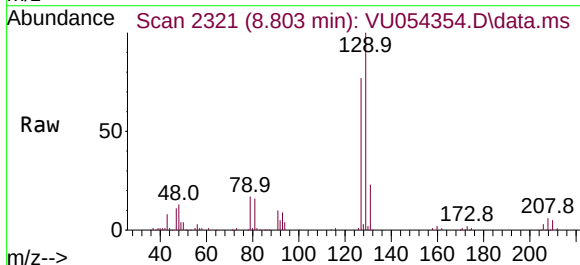
Acq: 31 May 2023 22:09

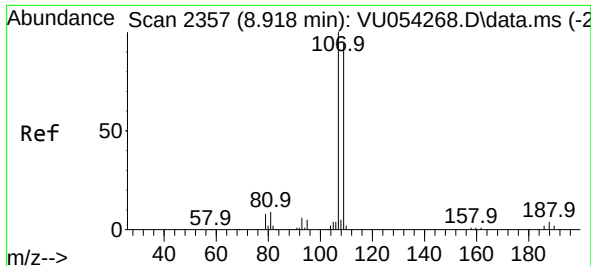
Tgt Ion:129 Resp: 137966

Ion Ratio Lower Upper

129 100

127 77.2 38.6 116.0

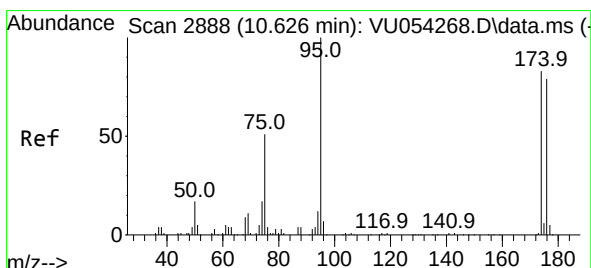
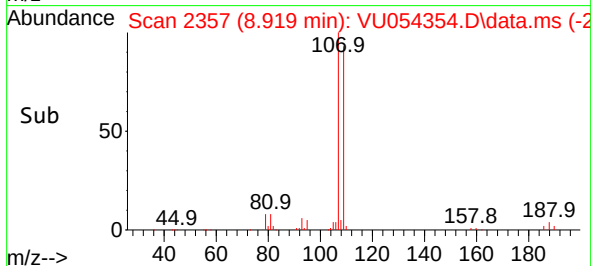
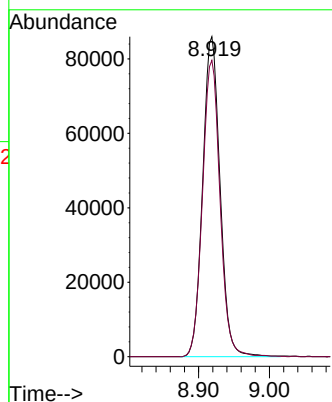
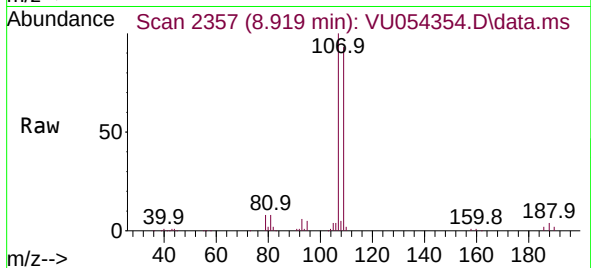




#61
1,2-Dibromoethane
Concen: 49.314 ug/l
RT: 8.919 min Scan# 21
Delta R.T. 0.001 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

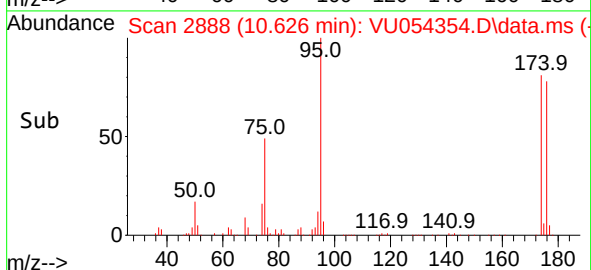
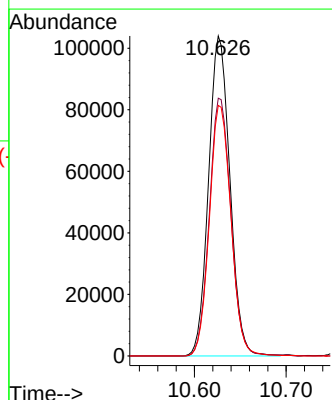
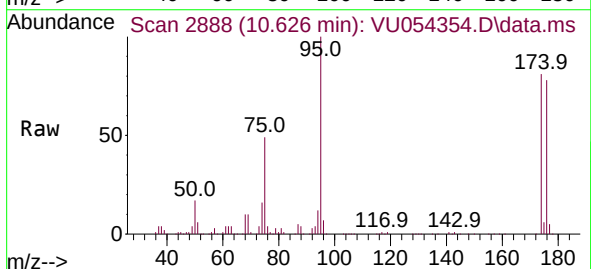
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

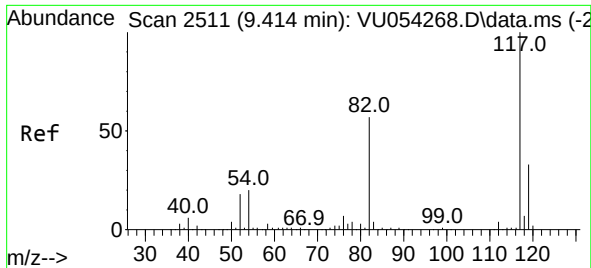
Tgt Ion:107 Resp: 146356
Ion Ratio Lower Upper
107 100
109 93.7 75.1 112.7



#62
4-Bromofluorobenzene
Concen: 49.508 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. -0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

Tgt Ion: 95 Resp: 168188
Ion Ratio Lower Upper
95 100
174 81.4 0.0 182.0
176 79.1 0.0 177.8

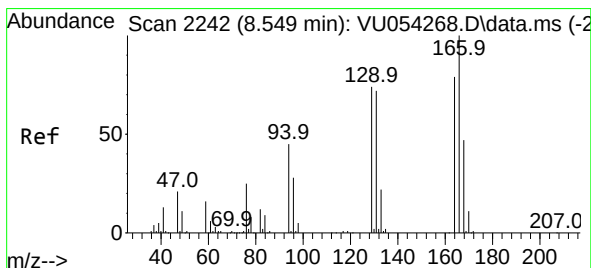
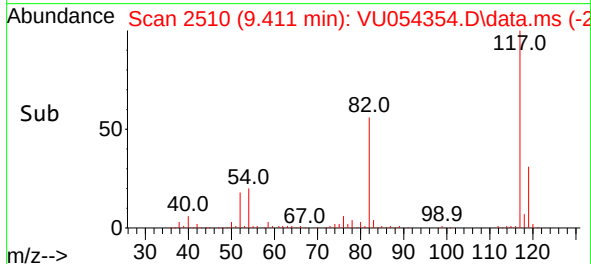
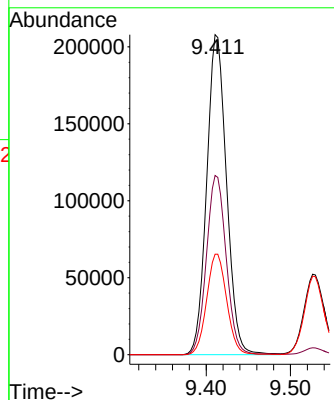
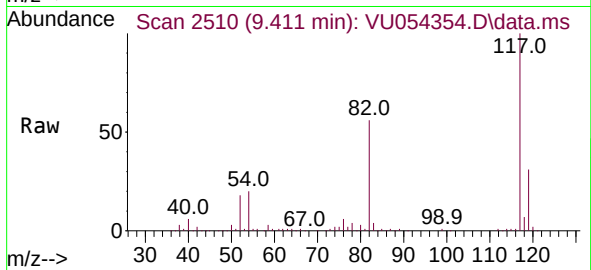




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.411 min Scan# 211
Delta R.T. -0.003 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

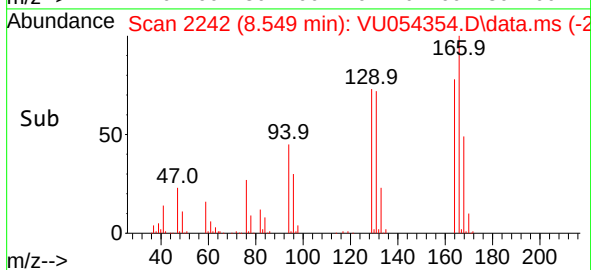
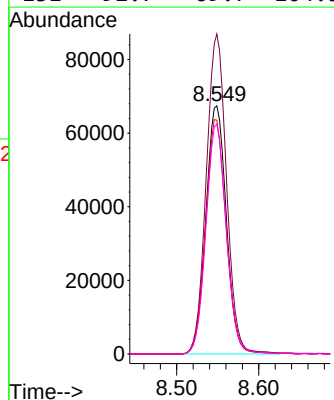
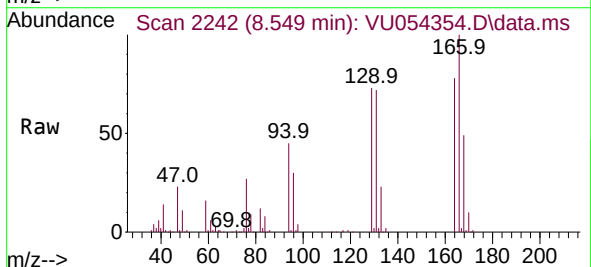
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

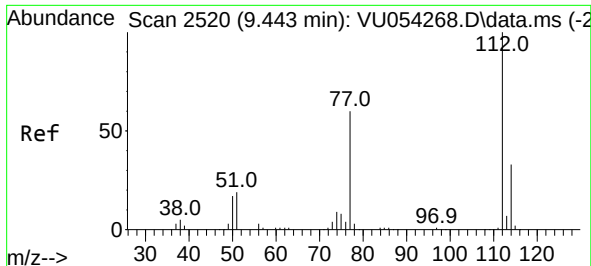
Tgt Ion:117 Resp: 340446
Ion Ratio Lower Upper
117 100
82 56.0 41.7 62.5
119 31.4 25.7 38.5



#64
Tetrachloroethene
Concen: 45.875 ug/l
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

Tgt Ion:164 Resp: 117545
Ion Ratio Lower Upper
164 100
166 128.9 100.0 150.0
129 94.2 72.0 108.0
131 92.7 69.7 104.5

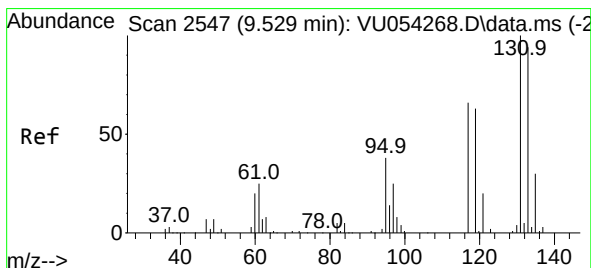
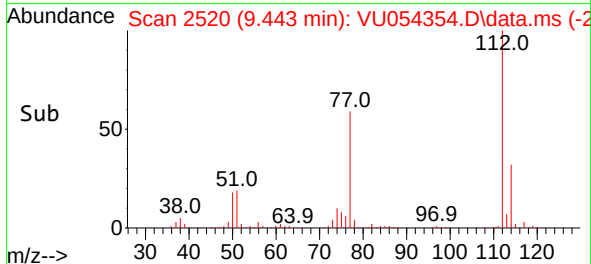
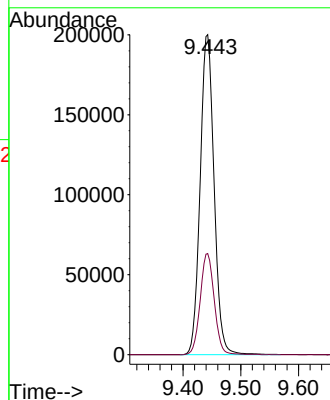
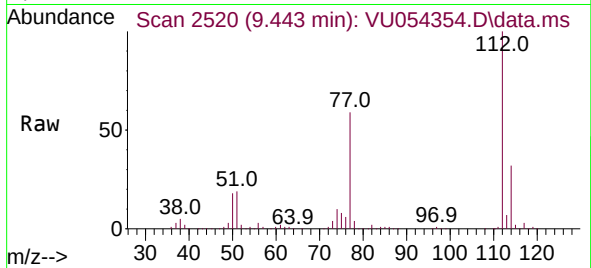




#65
Chlorobenzene
Concen: 47.101 ug/l
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

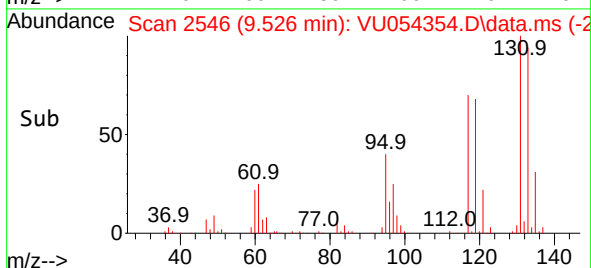
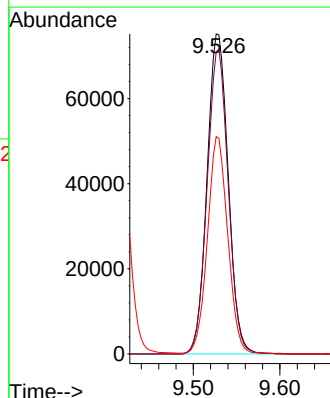
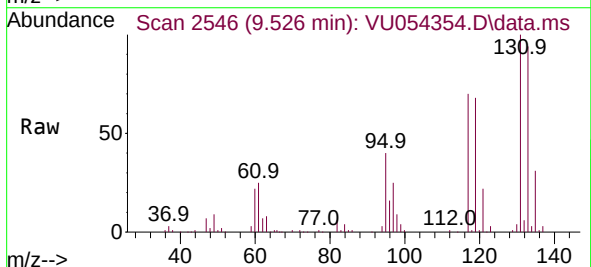
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

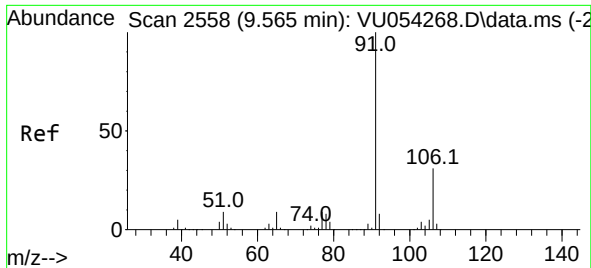
Tgt Ion:112 Resp: 335228
Ion Ratio Lower Upper
112 100
114 31.6 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.389 ug/l
RT: 9.526 min Scan# 2546
Delta R.T. -0.003 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

Tgt Ion:131 Resp: 127519
Ion Ratio Lower Upper
131 100
133 94.9 48.4 145.0
119 64.6 33.9 101.6

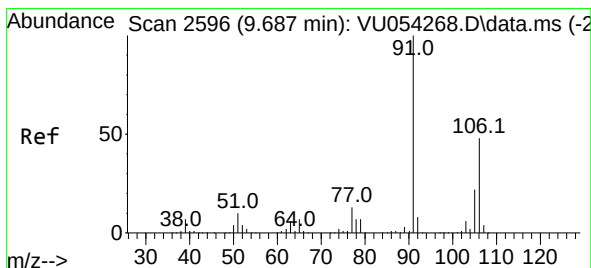
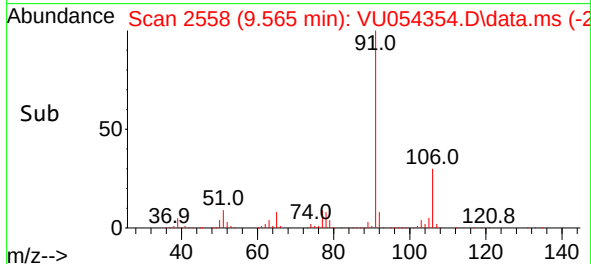
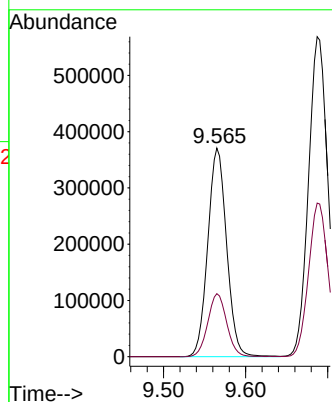
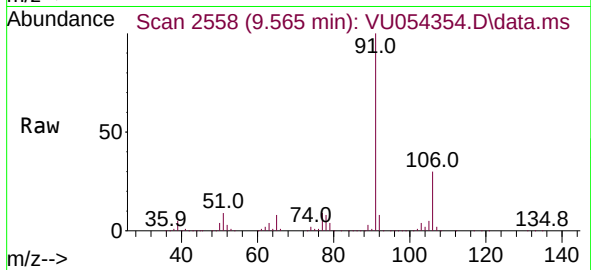




#67
Ethyl Benzene
Concen: 48.511 ug/l
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

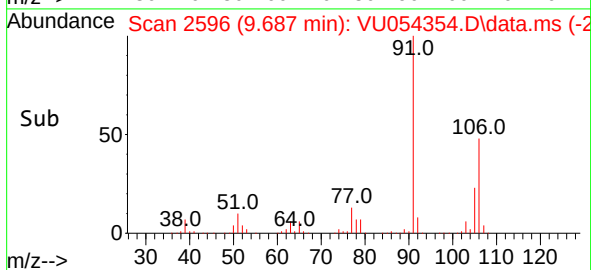
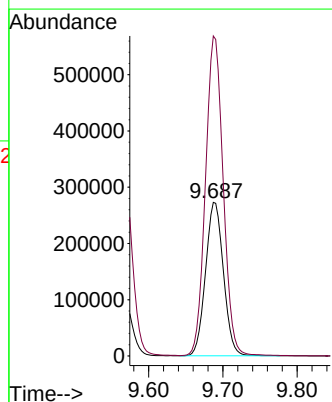
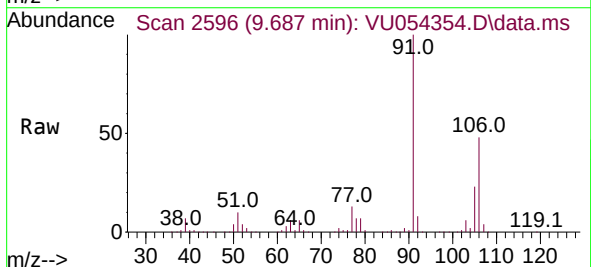
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

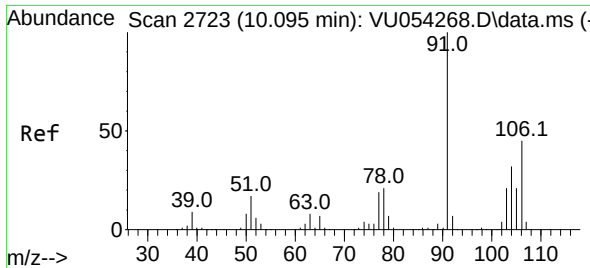
Tgt Ion: 91 Resp: 590277
Ion Ratio Lower Upper
91 100
106 30.2 25.6 38.4



#68
m/p-Xylenes
Concen: 98.813 ug/l
RT: 9.687 min Scan# 2596
Delta R.T. 0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

Tgt Ion: 106 Resp: 455745
Ion Ratio Lower Upper
106 100
91 206.9 157.2 235.8

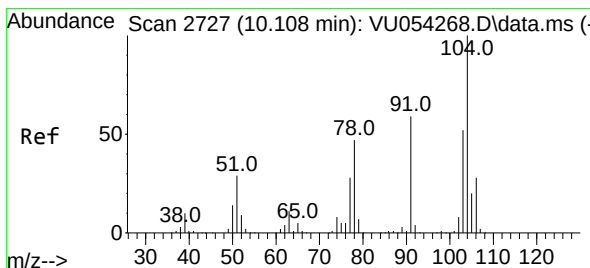
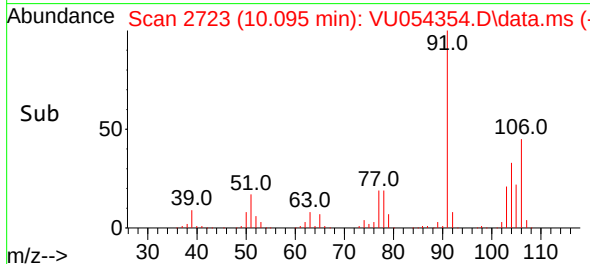
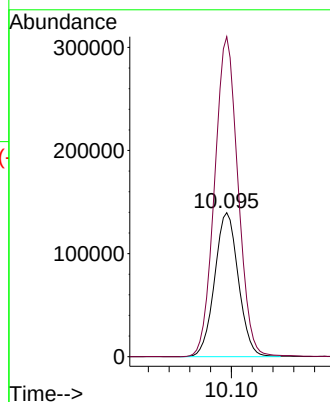
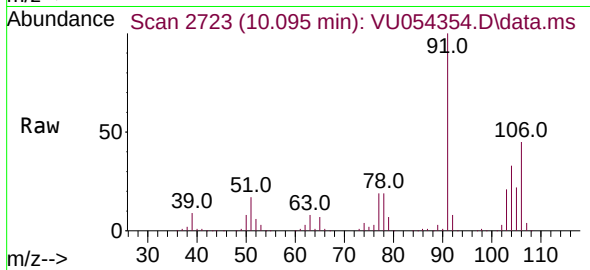




#69
o-Xylene
Concen: 49.567 ug/l
RT: 10.095 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

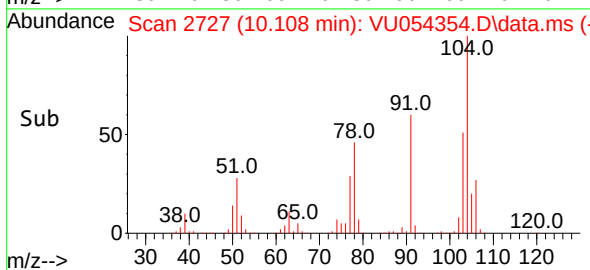
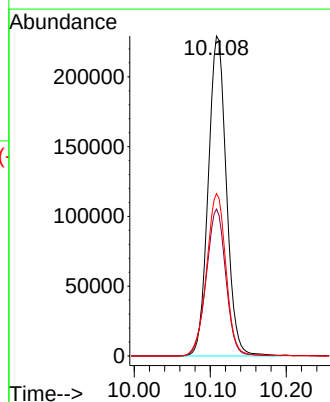
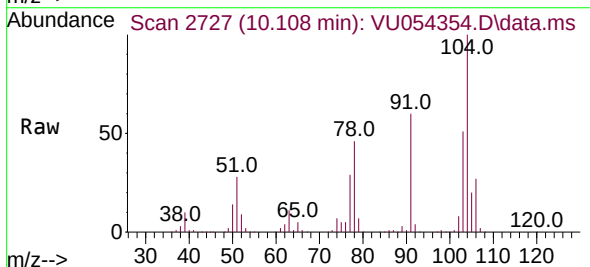
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

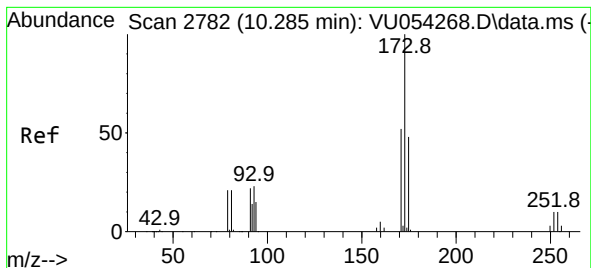
Tgt Ion:106 Resp: 221305
Ion Ratio Lower Upper
106 100
91 220.1 103.5 310.5



#70
Styrene
Concen: 51.359 ug/l
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

Tgt Ion:104 Resp: 380276
Ion Ratio Lower Upper
104 100
78 49.6 38.0 57.0
103 54.2 43.9 65.9





#71

Bromoform

Concen: 49.077 ug/l

RT: 10.285 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

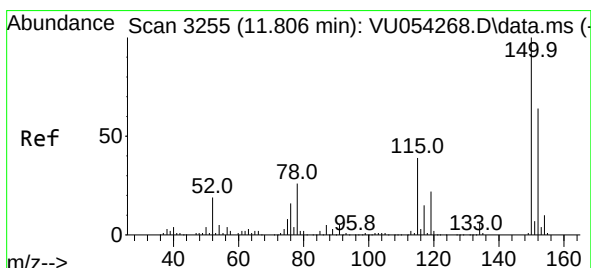
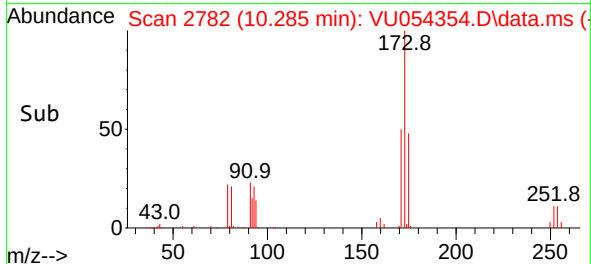
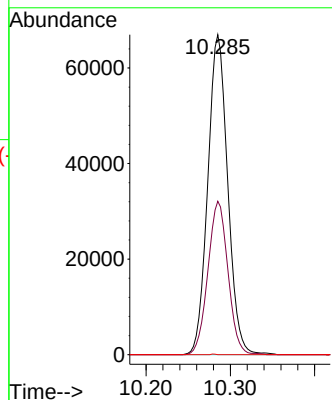
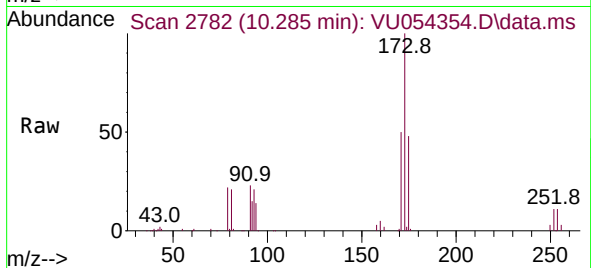
Tgt Ion:173 Resp: 110113

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.2

254 0.0 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: VU054354.D

Acq: 31 May 2023 22:09

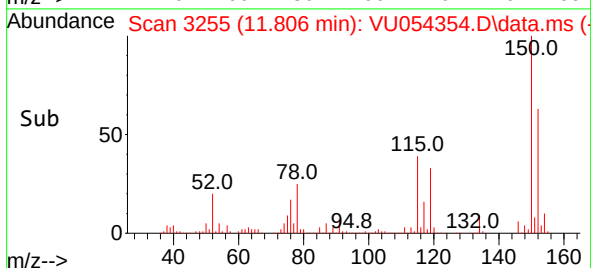
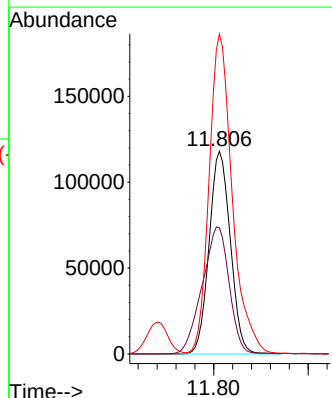
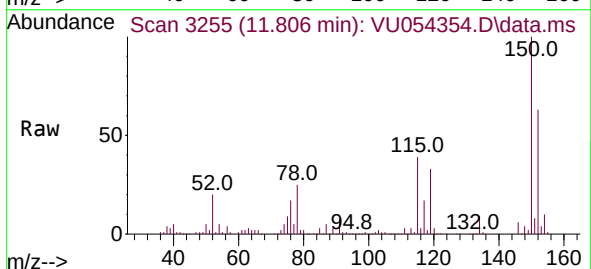
Tgt Ion:152 Resp: 184048

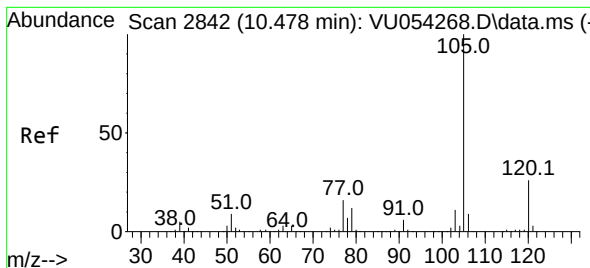
Ion Ratio Lower Upper

152 100

115 79.5 37.0 110.9

150 171.7 0.0 342.2





#73

Isopropylbenzene

Concen: 50.331 ug/l

RT: 10.478 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

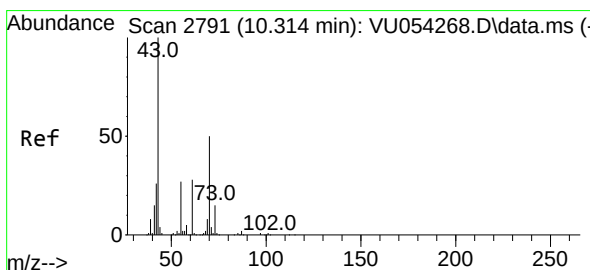
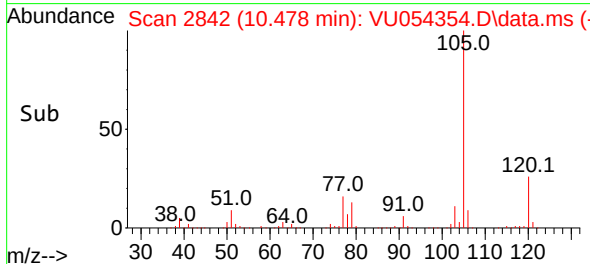
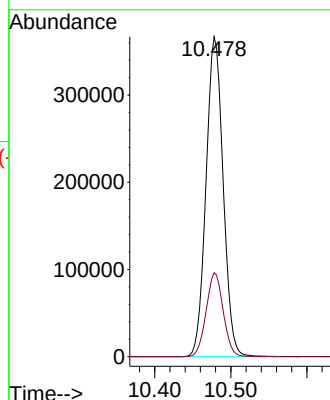
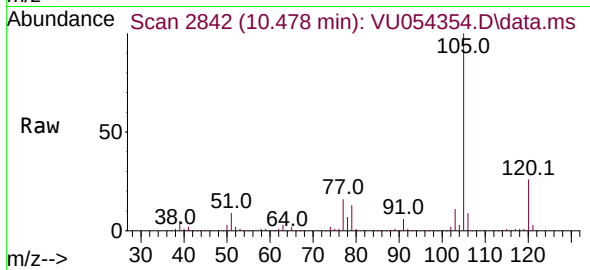
VSTDCCC050

Tgt Ion:105 Resp: 573686

Ion Ratio Lower Upper

105 100

120 26.2 13.8 41.4



#74

N-ethyl acetate

Concen: 52.566 ug/l

RT: 10.314 min Scan# 2791

Delta R.T. 0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Tgt Ion: 43 Resp: 254412

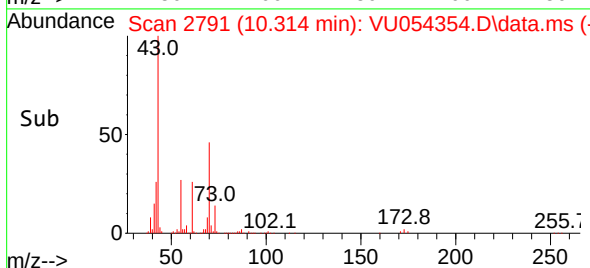
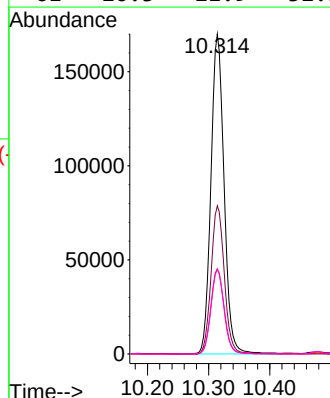
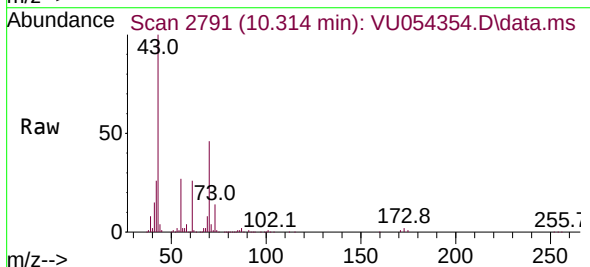
Ion Ratio Lower Upper

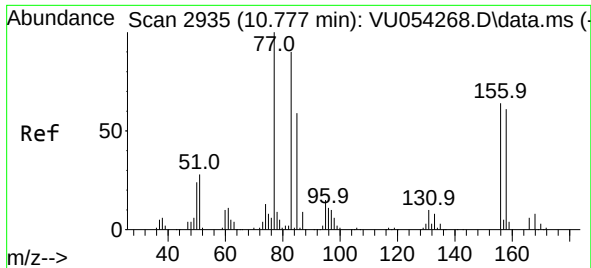
43 100

70 46.5 38.7 58.1

55 27.0 21.8 32.8

61 26.3 21.9 32.9

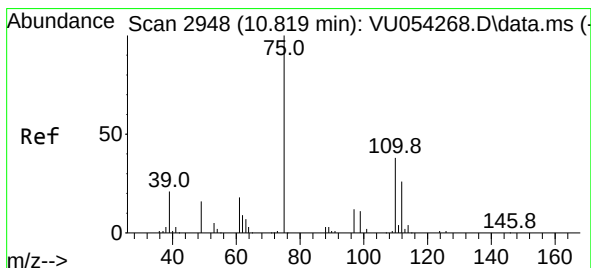
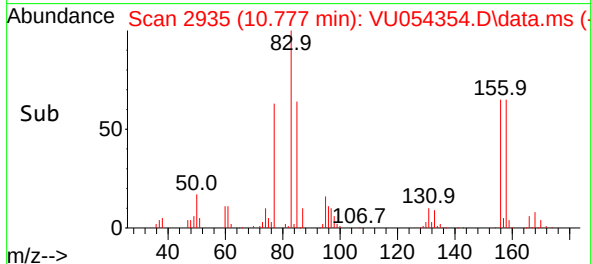
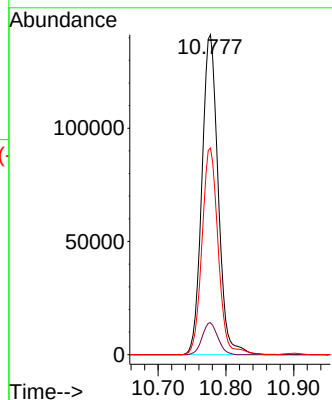
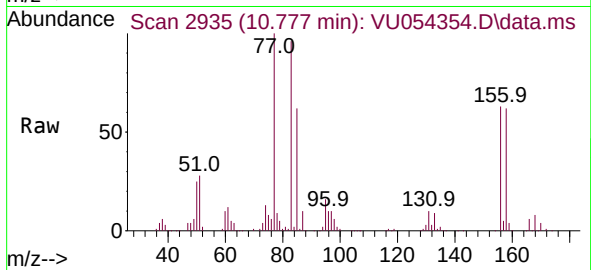




#75
 1,1,2,2-Tetrachloroethane
 Concen: 50.952 ug/l
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU054354.D
 Acq: 31 May 2023 22:09

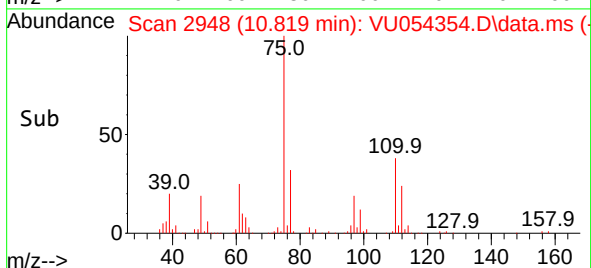
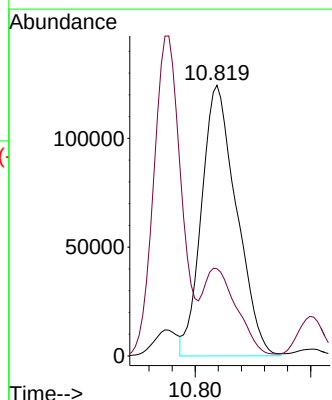
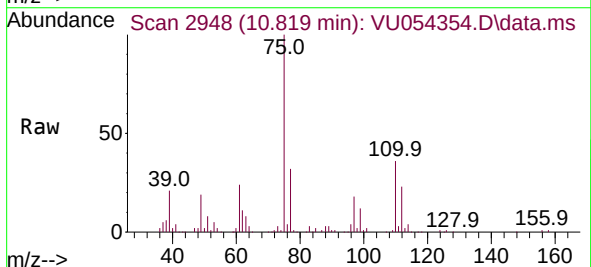
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

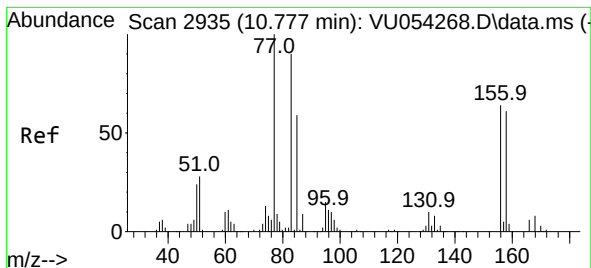
Tgt Ion: 83 Resp: 234999
 Ion Ratio Lower Upper
 83 100
 131 9.6 5.1 15.4
 85 64.4 32.2 96.6



#76
 1,2,3-Trichloropropane
 Concen: 48.650 ug/l
 RT: 10.819 min Scan# 2948
 Delta R.T. -0.000 min
 Lab File: VU054354.D
 Acq: 31 May 2023 22:09

Tgt Ion: 75 Resp: 261330
 Ion Ratio Lower Upper
 75 100
 77 30.5 15.8 47.3





#77

Bromobenzene

Concen: 48.383 ug/l

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

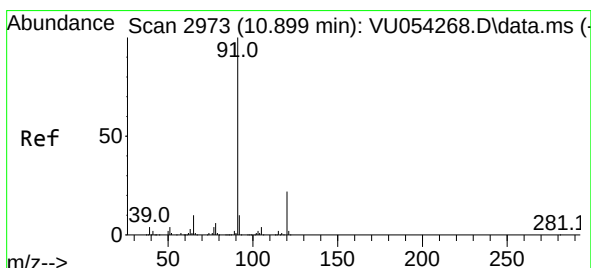
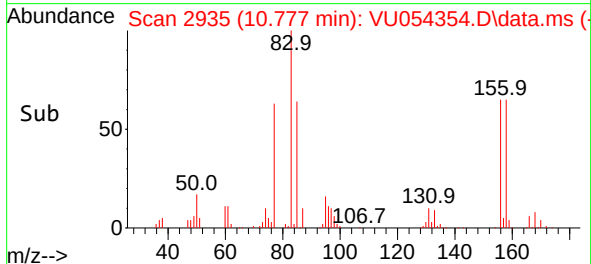
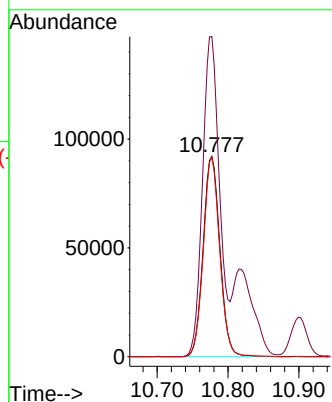
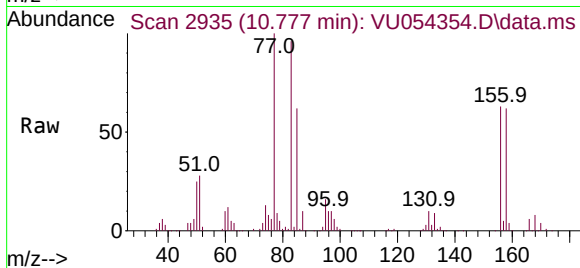
Tgt Ion:156 Resp: 151441

Ion Ratio Lower Upper

156 100

77 162.5 71.9 215.6

158 96.9 48.9 146.8



#78

n-propylbenzene

Concen: 50.613 ug/l

RT: 10.899 min Scan# 2973

Delta R.T. 0.000 min

Lab File: VU054354.D

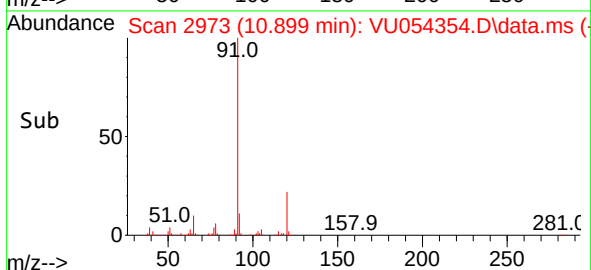
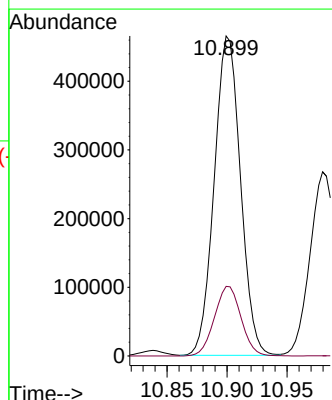
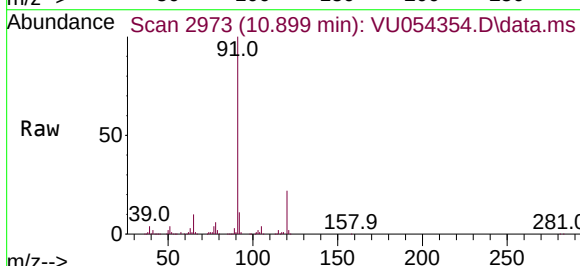
Acq: 31 May 2023 22:09

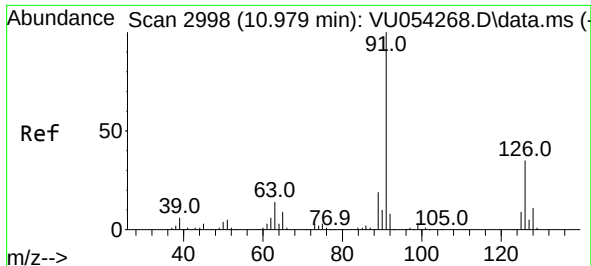
Tgt Ion: 91 Resp: 706708

Ion Ratio Lower Upper

91 100

120 22.1 11.9 35.5





#79

2-Chlorotoluene

Concen: 49.304 ug/l

RT: 10.980 min Scan# 2998

Delta R.T. 0.001 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

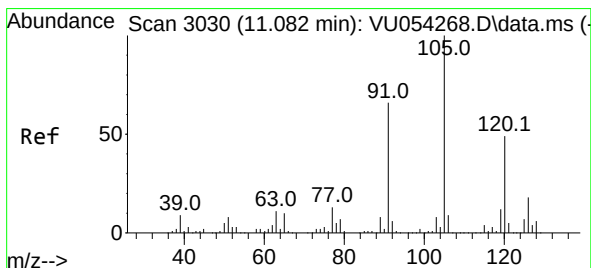
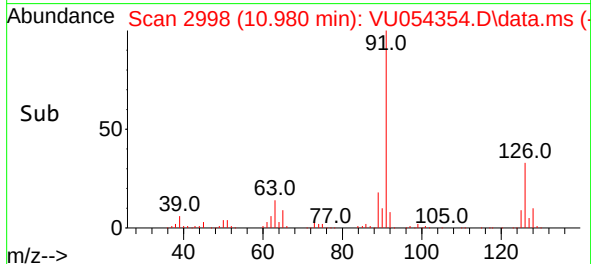
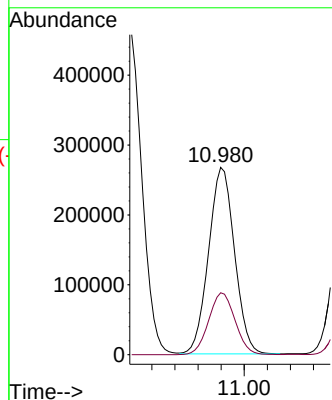
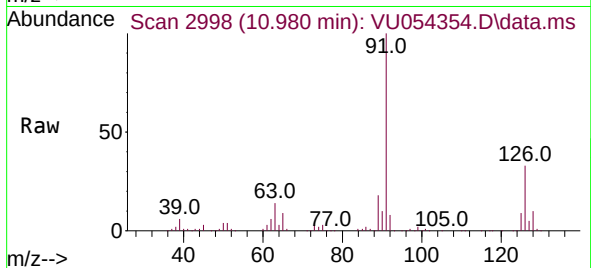
VSTDCCC050

Tgt Ion: 91 Resp: 416791

Ion Ratio Lower Upper

91 100

126 33.7 18.4 55.0



#80

1,3,5-Trimethylbenzene

Concen: 51.262 ug/l

RT: 11.083 min Scan# 3030

Delta R.T. 0.001 min

Lab File: VU054354.D

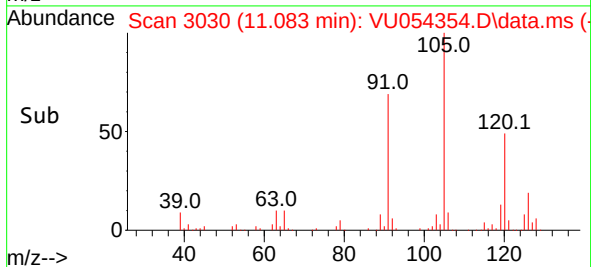
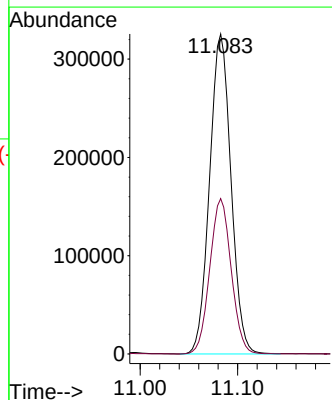
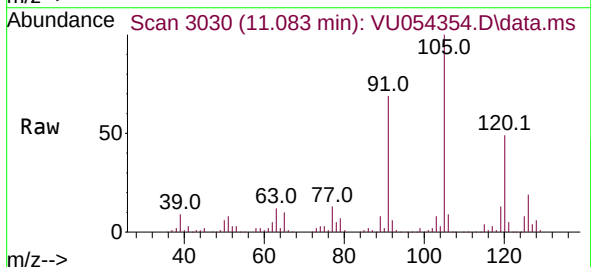
Acq: 31 May 2023 22:09

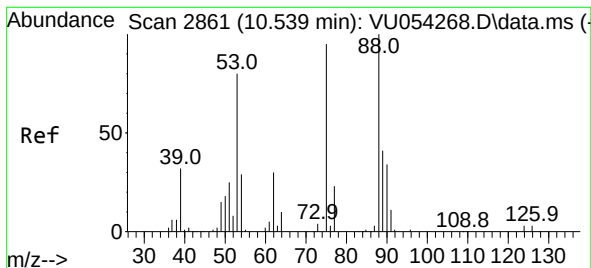
Tgt Ion:105 Resp: 496901

Ion Ratio Lower Upper

105 100

120 48.6 25.3 75.9

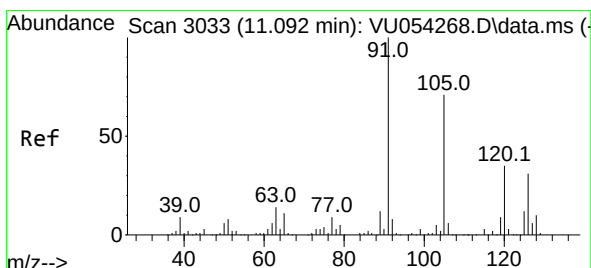
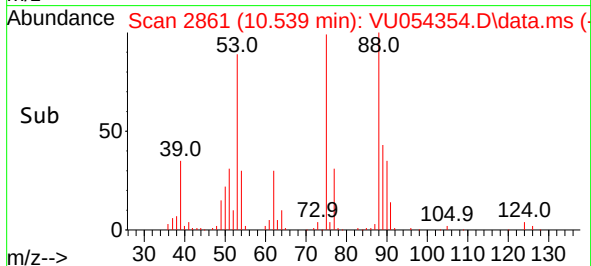
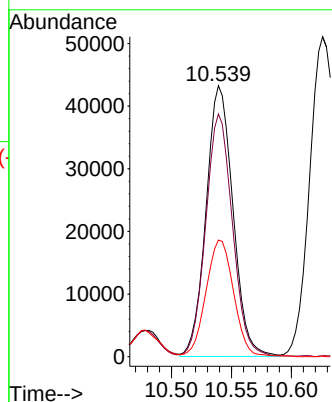
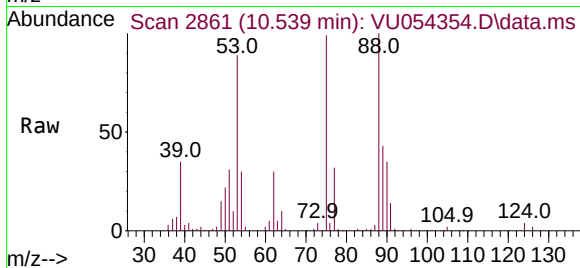




#81
trans-1,4-Dichloro-2-butene
Concen: 47.843 ug/l
RT: 10.539 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

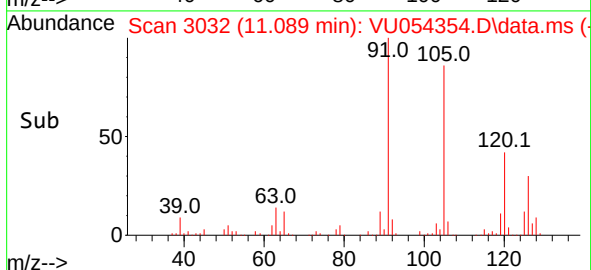
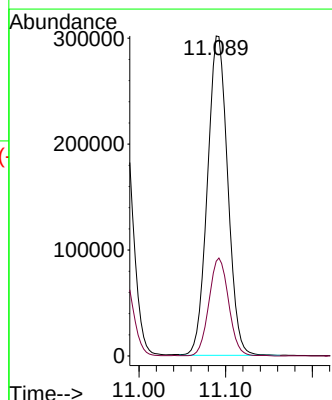
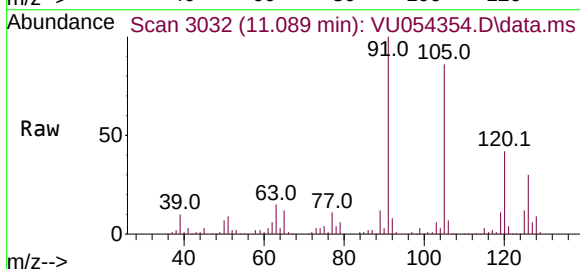
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

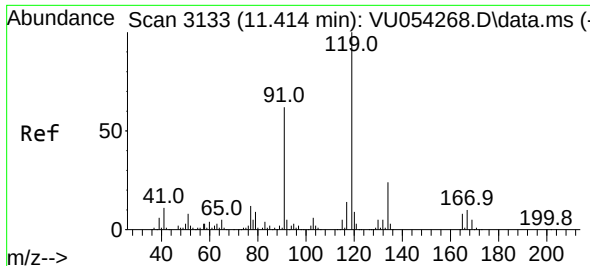
Tgt Ion: 75 Resp: 67489
Ion Ratio Lower Upper
75 100
53 88.9 69.2 103.8
89 43.6 37.0 55.6



#82
4-Chlorotoluene
Concen: 49.328 ug/l
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

Tgt Ion: 91 Resp: 489268
Ion Ratio Lower Upper
91 100
126 29.9 16.1 48.2

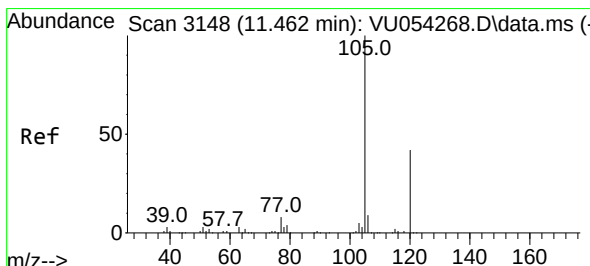
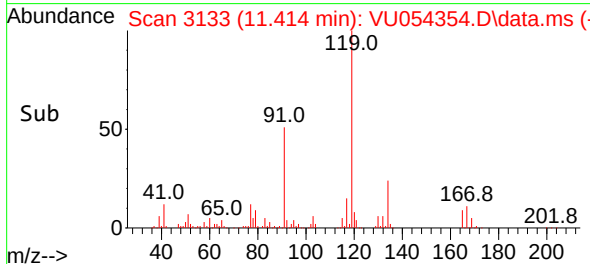
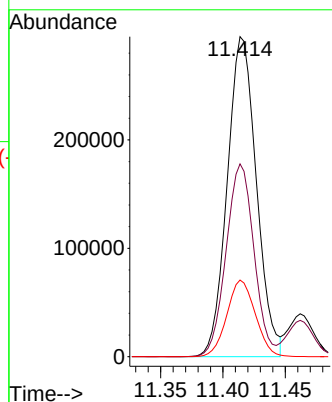
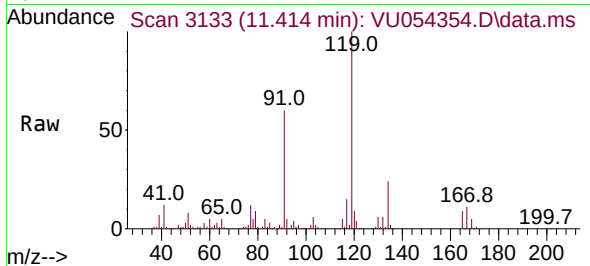




#83
tert-Butylbenzene
Concen: 49.636 ug/l
RT: 11.414 min Scan# 3133
Delta R.T. -0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

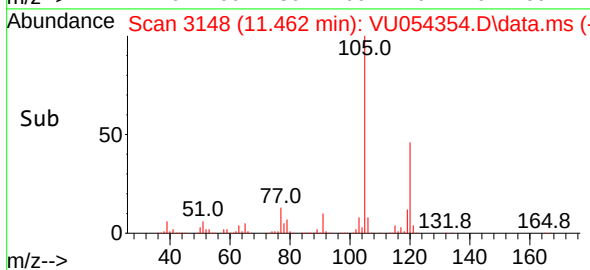
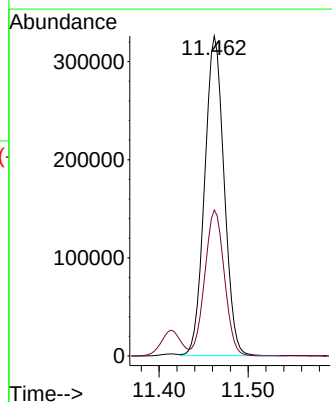
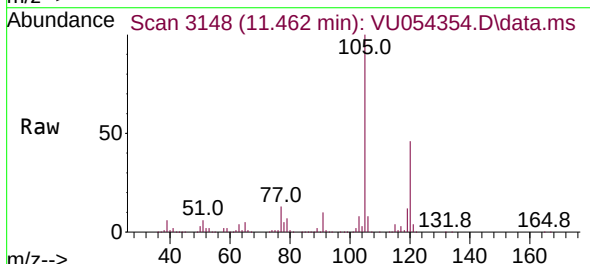
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

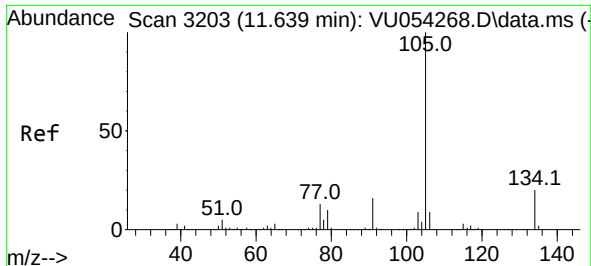
Tgt Ion:119 Resp: 481121
Ion Ratio Lower Upper
119 100
91 57.6 26.8 80.3
134 23.3 11.5 34.5



#84
1,2,4-Trimethylbenzene
Concen: 51.173 ug/l
RT: 11.462 min Scan# 3148
Delta R.T. -0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

Tgt Ion:105 Resp: 493495
Ion Ratio Lower Upper
105 100
120 46.0 23.4 70.3

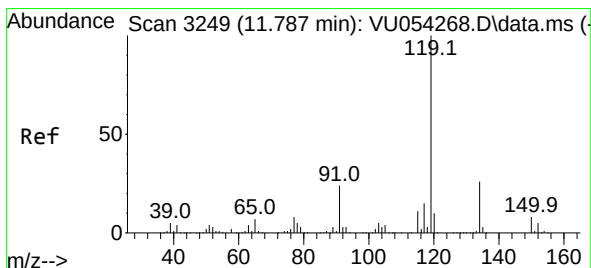
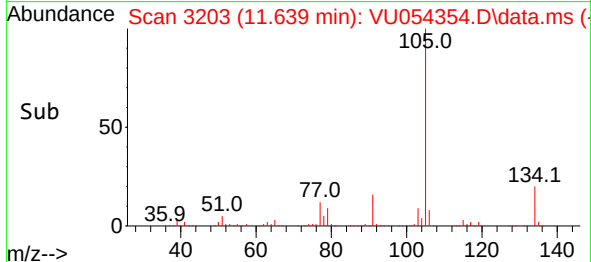
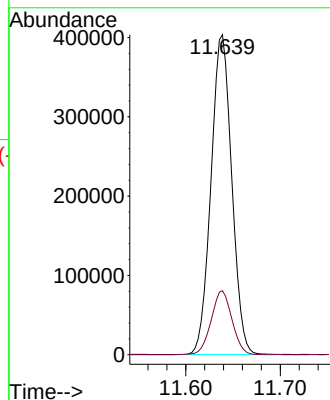
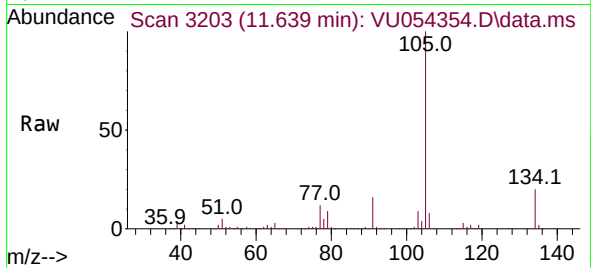




#85
 sec-Butylbenzene
 Concen: 49.988 ug/l
 RT: 11.639 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054354.D
 Acq: 31 May 2023 22:09

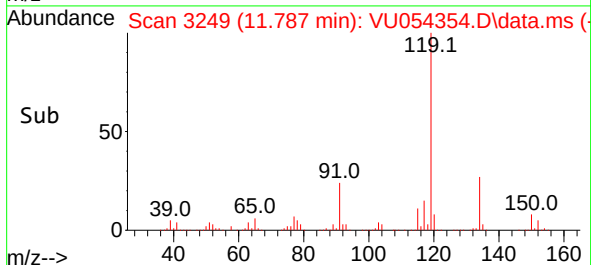
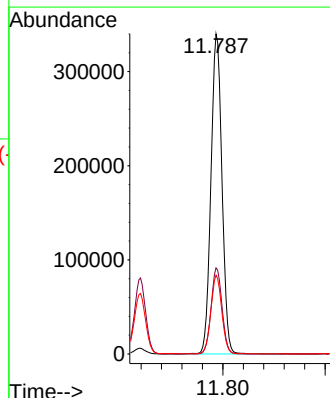
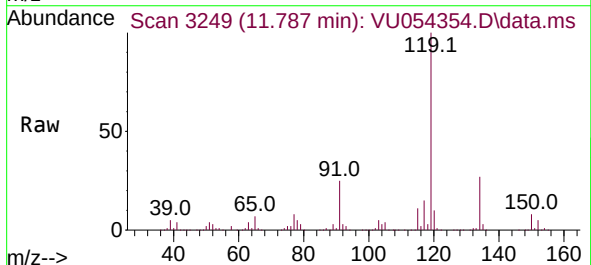
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

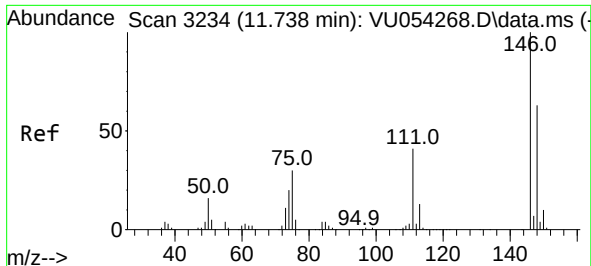
Tgt Ion:105 Resp: 614822
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 49.105 ug/l
 RT: 11.787 min Scan# 3249
 Delta R.T. -0.000 min
 Lab File: VU054354.D
 Acq: 31 May 2023 22:09

Tgt Ion:119 Resp: 507989
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.5 40.4
 91 24.3 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 46.723 ug/l

RT: 11.738 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

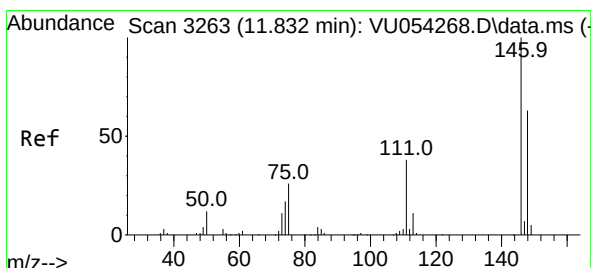
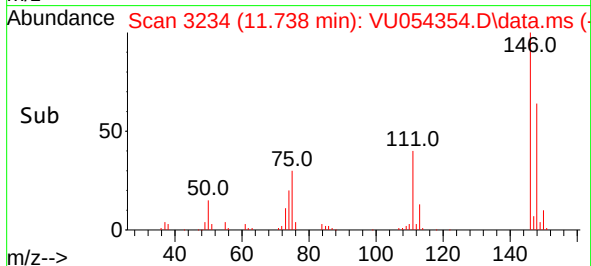
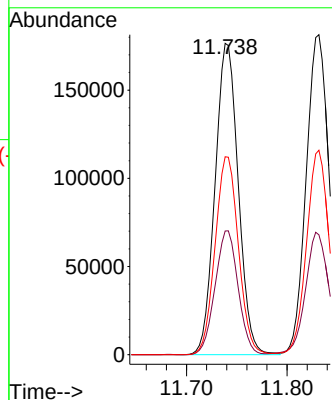
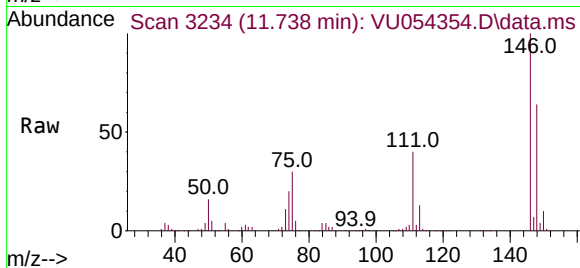
Tgt Ion:146 Resp: 283171

Ion Ratio Lower Upper

146 100

111 39.6 18.9 56.5

148 63.9 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 45.598 ug/l

RT: 11.832 min Scan# 3263

Delta R.T. -0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

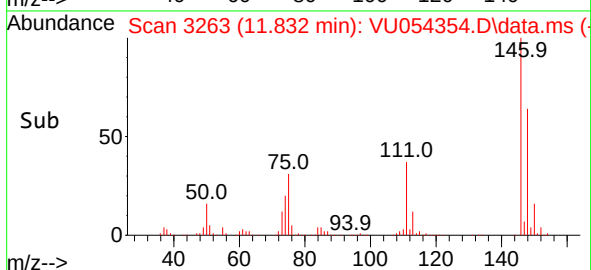
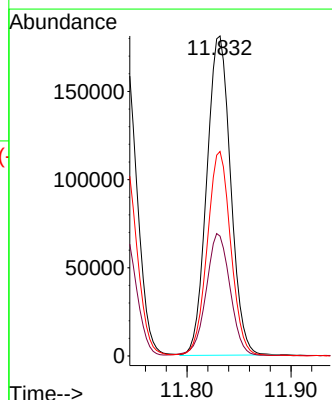
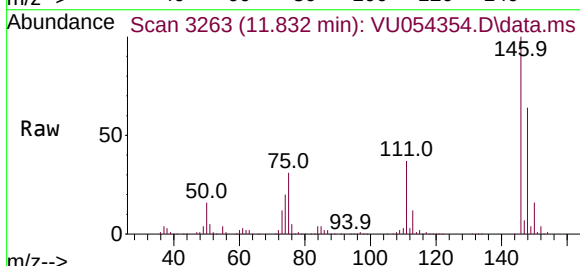
Tgt Ion:146 Resp: 288702

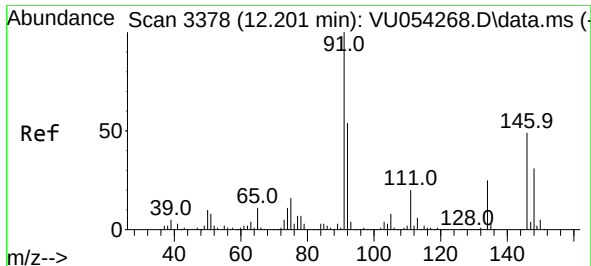
Ion Ratio Lower Upper

146 100

111 38.4 18.5 55.5

148 63.0 31.9 95.7

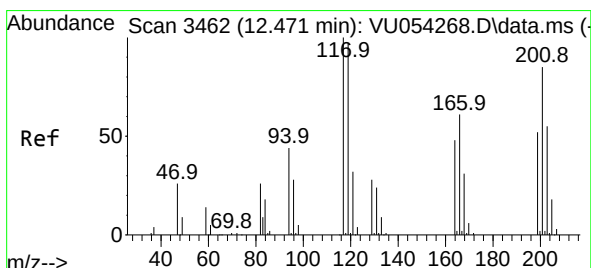
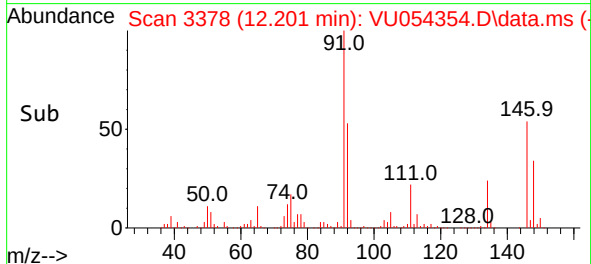
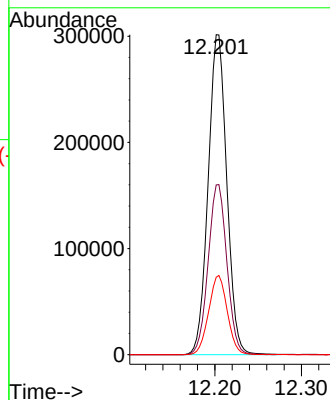
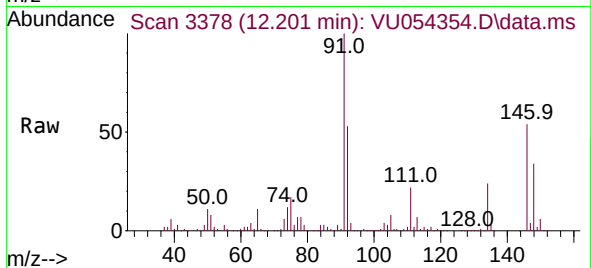




#89
n-Butylbenzene
Concen: 46.261 ug/l
RT: 12.201 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

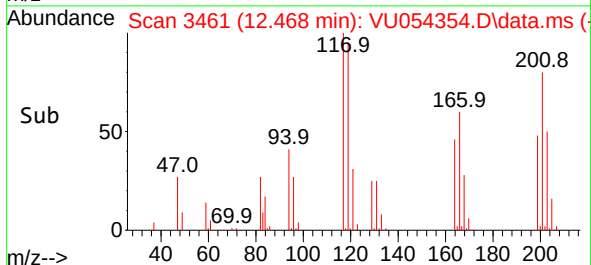
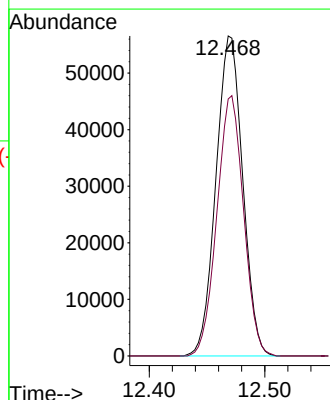
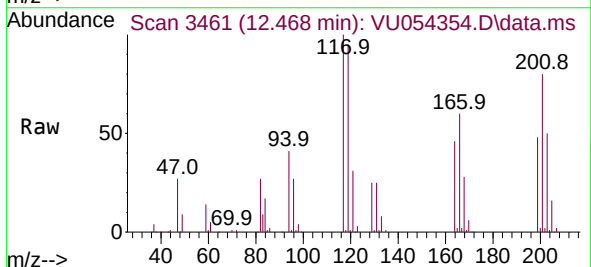
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

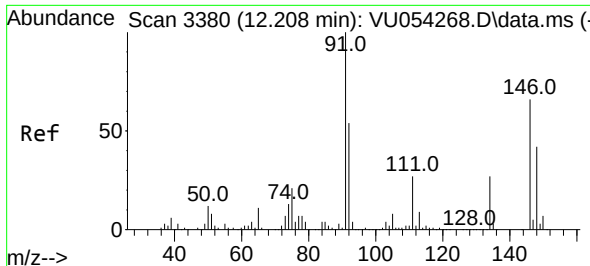
Tgt Ion: 91 Resp: 450481
Ion Ratio Lower Upper
91 100
92 53.6 26.2 78.6
134 24.8 13.5 40.4



#90
Hexachloroethane
Concen: 49.774 ug/l
RT: 12.468 min Scan# 3461
Delta R.T. -0.003 min
Lab File: VU054354.D
Acq: 31 May 2023 22:09

Tgt Ion: 117 Resp: 91092
Ion Ratio Lower Upper
117 100
201 81.0 44.6 134.0





#91

1,2-Dichlorobenzene

Concen: 47.766 ug/l

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

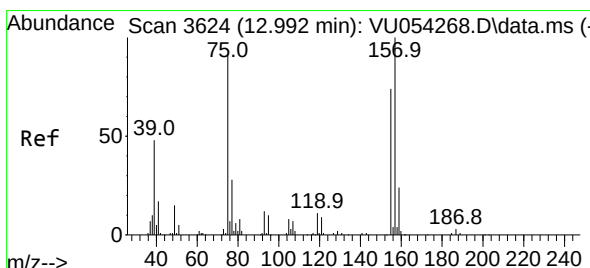
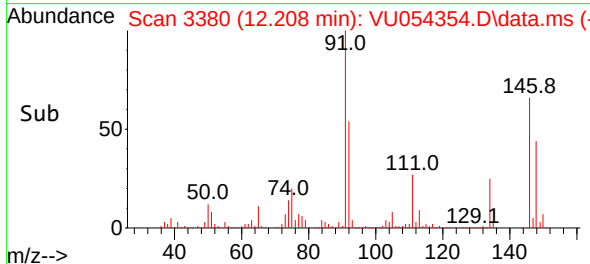
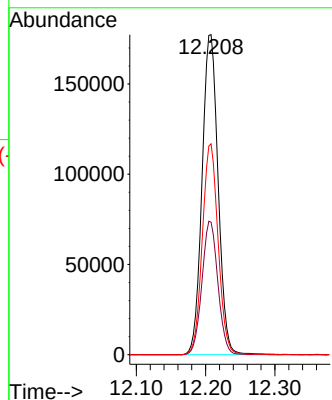
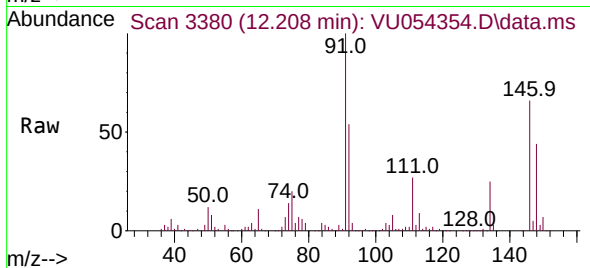
Tgt Ion:146 Resp: 284792

Ion Ratio Lower Upper

146 100

111 41.3 19.9 59.6

148 64.8 32.1 96.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.210 ug/l

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

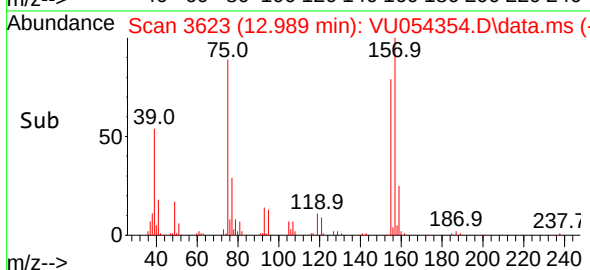
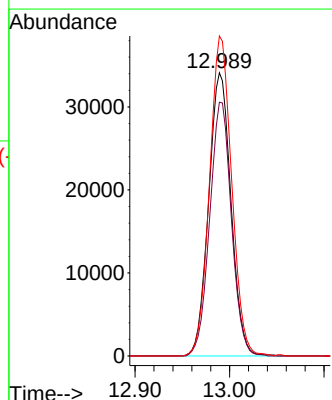
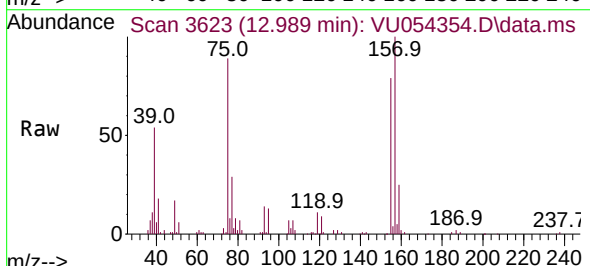
Tgt Ion: 75 Resp: 55969

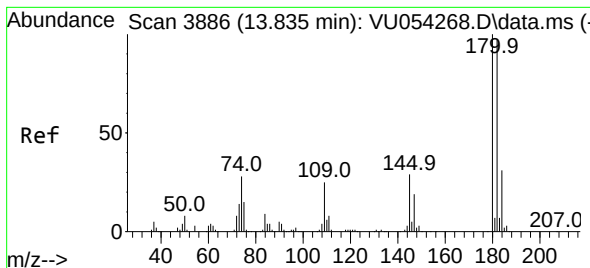
Ion Ratio Lower Upper

75 100

155 87.1 47.8 143.4

157 112.0 62.2 186.5





#93

1,2,4-Trichlorobenzene

Concen: 45.843 ug/l

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

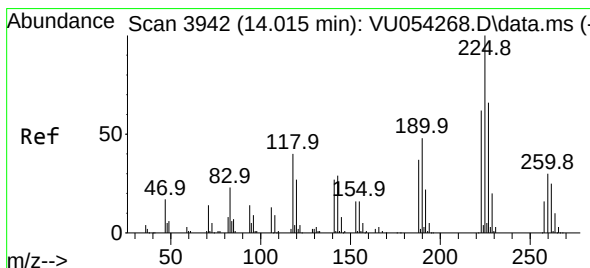
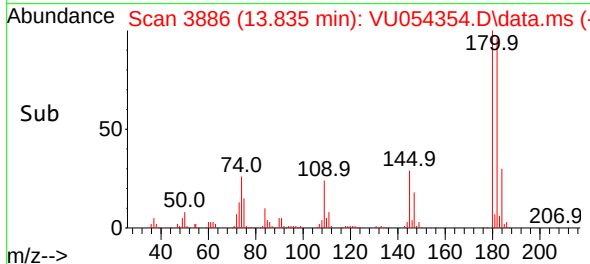
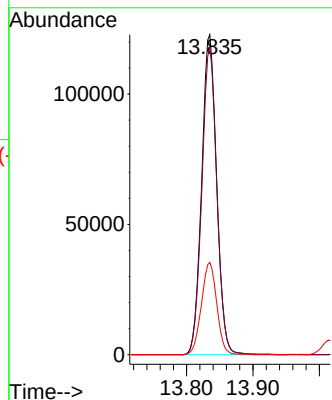
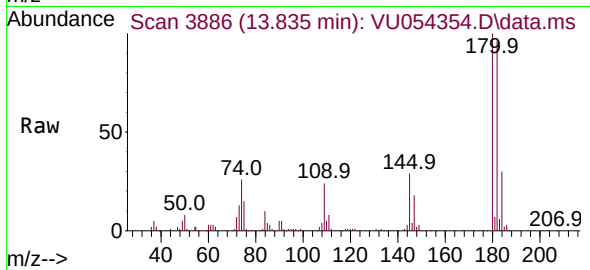
Tgt Ion:180 Resp: 193471

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.6

145 29.4 14.0 41.9



#94

Hexachlorobutadiene

Concen: 45.364 ug/l

RT: 14.015 min Scan# 3942

Delta R.T. -0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

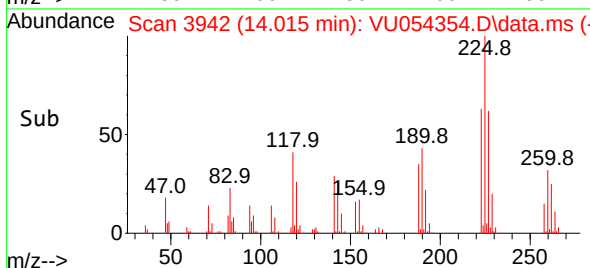
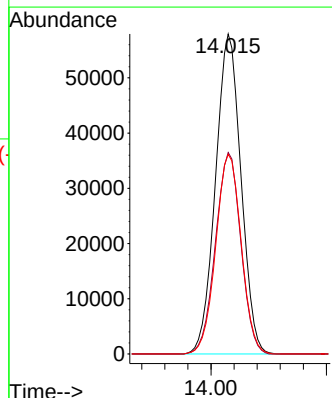
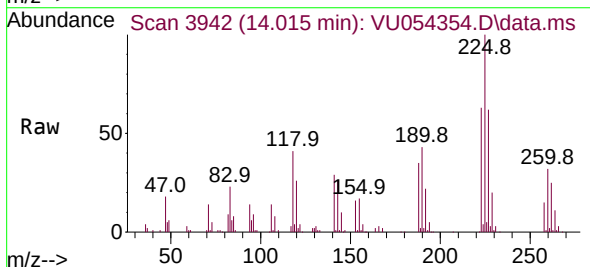
Tgt Ion:225 Resp: 88848

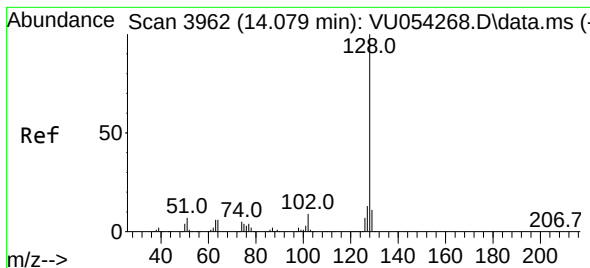
Ion Ratio Lower Upper

225 100

223 62.7 31.3 93.9

227 62.2 32.0 96.2





#95

Naphthalene

Concen: 48.465 ug/l

RT: 14.079 min Scan# 3962

Delta R.T. 0.000 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

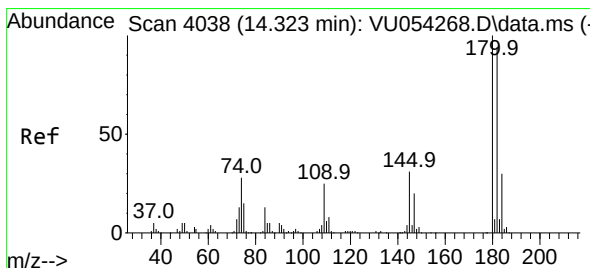
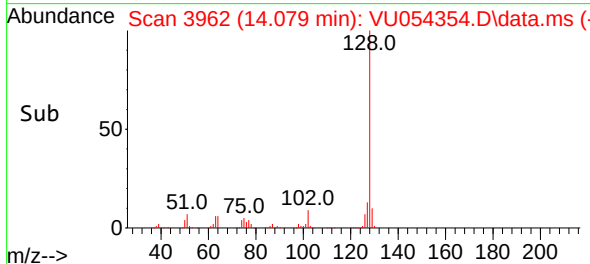
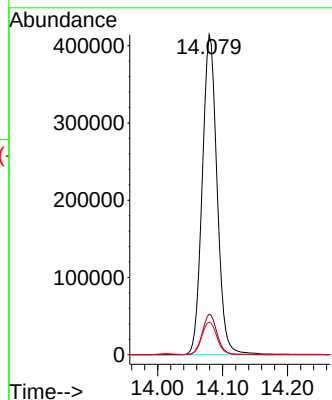
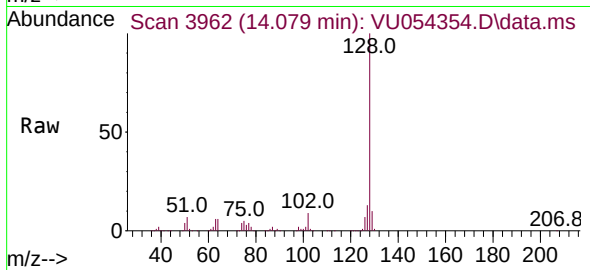
Tgt Ion:128 Resp: 658879

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 10.5 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 47.261 ug/l

RT: 14.324 min Scan# 4038

Delta R.T. 0.001 min

Lab File: VU054354.D

Acq: 31 May 2023 22:09

Tgt Ion:180 Resp: 197933

Ion Ratio Lower Upper

180 100

182 95.4 48.4 145.0

145 31.6 14.8 44.4

