

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053123\
 Data File : VU054358.D
 Acq On : 31 May 2023 23:43
 Operator : JC/MD
 Sample : VU0531WBSD02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0531WBSD02

Quant Time: Jun 01 06:13:20 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	219174	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.244	114	366654	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.411	117	356685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	188836	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	151247	52.642	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.280%	
35) Dibromofluoromethane	5.282	113	122174	51.743	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.480%	
50) Toluene-d8	7.893	98	455796	50.750	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.500%	
62) 4-Bromofluorobenzene	10.626	95	168021	48.249	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.500%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	48191	19.696	ug/l	98
3) Chloromethane	1.520	50	66057	20.619	ug/l	95
4) Vinyl Chloride	1.604	62	64594	21.132	ug/l	98
5) Bromomethane	1.851	94	31905	18.855	ug/l	98
6) Chloroethane	1.925	64	36632	24.850	ug/l	95
7) Trichlorofluoromethane	2.131	101	81980	19.494	ug/l	98
8) Diethyl Ether	2.372	74	33131	21.281	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.575	101	46239	20.308	ug/l	95
10) Methyl Iodide	2.720	142	53452	21.015	ug/l	97
11) Tert butyl alcohol	3.205	59	80662	103.933	ug/l #	50
12) 1,1-Dichloroethene	2.575	96	45987	19.506	ug/l	92
13) Acrolein	2.485	56	62904	77.911	ug/l	100
14) Allyl chloride	2.919	41	82941	20.290	ug/l #	87
15) Acrylonitrile	3.308	53	186502	107.181	ug/l	98
16) Acetone	2.630	43	154975	94.100	ug/l	98
17) Carbon Disulfide	2.787	76	129855	18.638	ug/l	100
18) Methyl Acetate	2.945	43	133730	22.239	ug/l	94
19) Methyl tert-butyl Ether	3.359	73	161460	20.922	ug/l	100
20) Methylene Chloride	3.041	84	59922	20.168	ug/l	90
21) trans-1,2-Dichloroethene	3.347	96	51794	20.520	ug/l	98
22) Diisopropyl ether	3.983	45	160836	22.200	ug/l	85
23) Vinyl Acetate	3.948	43	571391	108.082	ug/l	97
24) 1,1-Dichloroethane	3.861	63	99520	21.452	ug/l	98
25) 2-Butanone	4.700	43	231755	106.284	ug/l	97
26) 2,2-Dichloropropane	4.658	77	62006	15.294	ug/l	98
27) cis-1,2-Dichloroethene	4.662	96	57777	20.577	ug/l	96
28) Bromochloromethane	4.967	49	50163	23.367	ug/l	84
29) Tetrahydrofuran	5.047	42	151746	110.713	ug/l	91
30) Chloroform	5.083	83	96571	20.478	ug/l	98
31) Cyclohexane	5.382	56	82626	20.367	ug/l	98
32) 1,1,1-Trichloroethane	5.311	97	82582	20.171	ug/l	99
36) 1,1-Dichloropropene	5.520	75	68096	18.362	ug/l	97
37) Ethyl Acetate	4.797	43	87497	19.359	ug/l #	92
38) Carbon Tetrachloride	5.517	117	70612	18.602	ug/l	98
39) Methylcyclohexane	6.758	83	77403	18.427	ug/l	92
40) Benzene	5.768	78	213852	20.216	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.967	41	42714	20.448	ug/l	97
42) 1,2-Dichloroethane	5.787	62	75523	19.653	ug/l	97
43) Isopropyl Acetate	5.906	43	125626	20.151	ug/l	98
44) Trichloroethene	6.536	130	56231	19.016	ug/l	93
45) 1,2-Dichloropropane	6.784	63	56316	20.407	ug/l	99
46) Dibromomethane	6.912	93	39914	19.649	ug/l	96
47) Bromodichloromethane	7.099	83	74045	19.491	ug/l	97
48) Methyl methacrylate	6.957	41	58400	21.123	ug/l	92
49) 1,4-Dioxane	6.989	88	34295	429.675	ug/l #	1
51) 4-Methyl-2-Pentanone	7.784	43	437103	105.063	ug/l	98
52) Toluene	7.964	92	130372	19.328	ug/l	99
53) t-1,3-Dichloropropene	8.205	75	80730	18.575	ug/l	99
54) cis-1,3-Dichloropropene	7.600	75	87335	19.255	ug/l	96
55) 1,1,2-Trichloroethane	8.395	97	56433	20.188	ug/l	98
56) Ethyl methacrylate	8.327	69	82389	19.800	ug/l	95
57) 1,3-Dichloropropane	8.568	76	96500	20.046	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.459	63	26062	97.691	ug/l	95
59) 2-Hexanone	8.681	43	340317	103.549	ug/l	99
60) Dibromochloromethane	8.803	129	55927	19.692	ug/l	99
61) 1,2-Dibromoethane	8.919	107	60626	19.928	ug/l	98
64) Tetrachloroethene	8.549	164	50656	18.870	ug/l	96
65) Chlorobenzene	9.443	112	139310	18.683	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.530	131	51705	19.114	ug/l	99
67) Ethyl Benzene	9.565	91	239566	18.792	ug/l	98
68) m/p-Xylenes	9.690	106	184629	38.208	ug/l	94
69) o-Xylene	10.095	106	91299	19.518	ug/l	95
70) Styrene	10.108	104	150480	19.398	ug/l	98
71) Bromoform	10.285	173	44689	19.011	ug/l #	99
73) Isopropylbenzene	10.478	105	234704	20.069	ug/l	97
74) N-amyl acetate	10.314	43	103387	20.820	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.777	83	98768	20.872	ug/l	100
76) 1,2,3-Trichloropropane	10.819	75	108727	19.728	ug/l	100
77) Bromobenzene	10.777	156	63429	19.751	ug/l	92
78) n-propylbenzene	10.899	91	283022	19.756	ug/l	97
79) 2-Chlorotoluene	10.980	91	174170	20.081	ug/l	93
80) 1,3,5-Trimethylbenzene	11.083	105	196286	19.736	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.539	75	25193	17.407	ug/l	95
82) 4-Chlorotoluene	11.092	91	200297	19.682	ug/l	96
83) tert-Butylbenzene	11.414	119	192924	19.399	ug/l	95
84) 1,2,4-Trimethylbenzene	11.462	105	199852	20.198	ug/l	96
85) sec-Butylbenzene	11.639	105	248744	19.711	ug/l	99
86) p-Isopropyltoluene	11.787	119	199176	18.765	ug/l	98
87) 1,3-Dichlorobenzene	11.742	146	119003	19.138	ug/l	99
88) 1,4-Dichlorobenzene	11.832	146	121361	18.682	ug/l	96
89) n-Butylbenzene	12.201	91	176549	17.671	ug/l	98
90) Hexachloroethane	12.468	117	35324	18.812	ug/l	93
91) 1,2-Dichlorobenzene	12.208	146	118997	19.453	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.989	75	22520	20.867	ug/l	89
93) 1,2,4-Trichlorobenzene	13.835	180	78581	19.141	ug/l	98
94) Hexachlorobutadiene	14.015	225	35583	18.207	ug/l	99
95) Naphthalene	14.082	128	256707	19.639	ug/l	100
96) 1,2,3-Trichlorobenzene	14.324	180	80579	19.509	ug/l	98

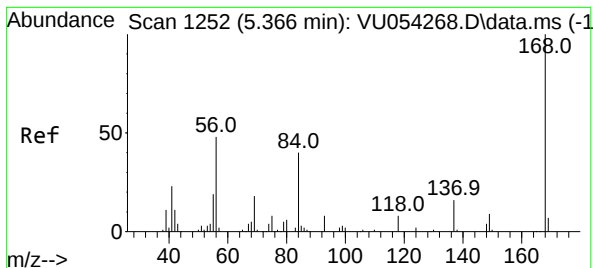
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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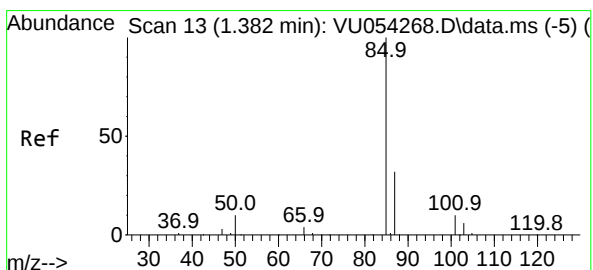
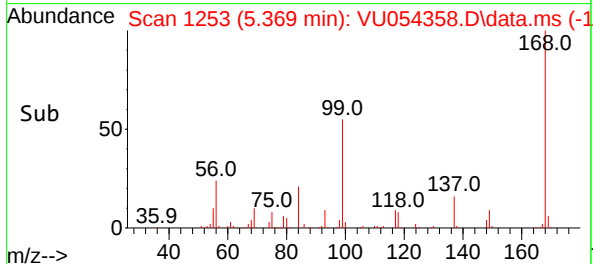
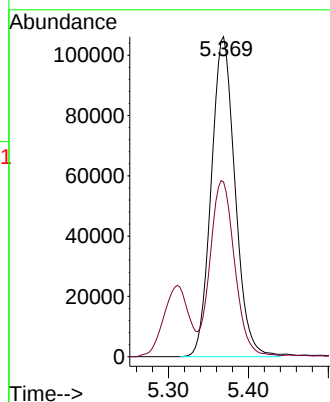
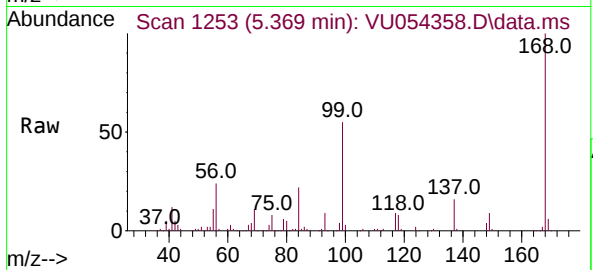
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

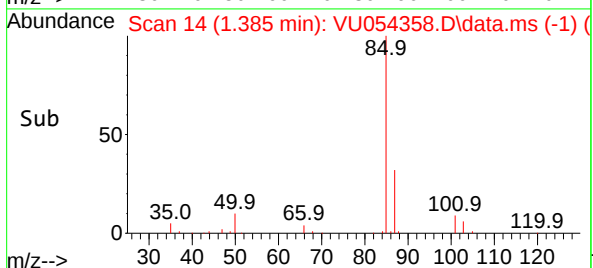
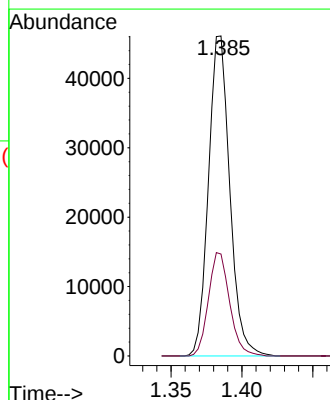
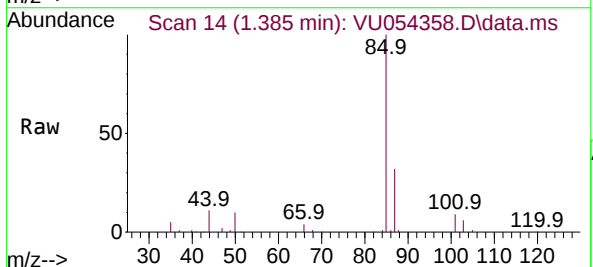
Instrument :
MSVOA_U
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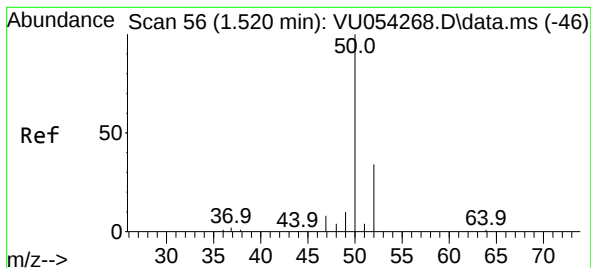
Tgt Ion:168 Resp: 219174
Ion Ratio Lower Upper
168 100
99 54.3 39.3 58.9



#2
Dichlorodifluoromethane
Concen: 19.696 ug/l
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion: 85 Resp: 48191
Ion Ratio Lower Upper
85 100
87 31.8 16.4 49.2





#3

Chloromethane

Concen: 20.619 ug/l

RT: 1.520 min Scan# 50

Delta R.T. 0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

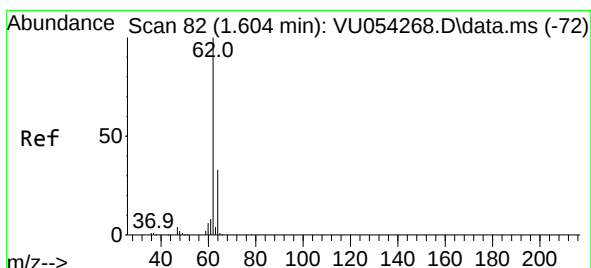
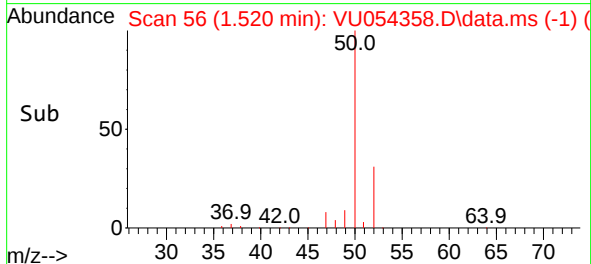
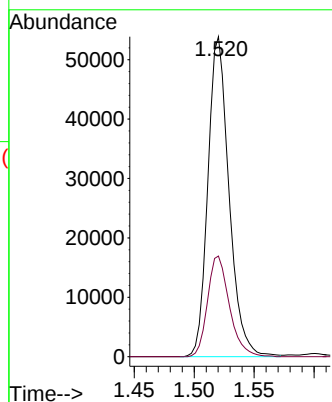
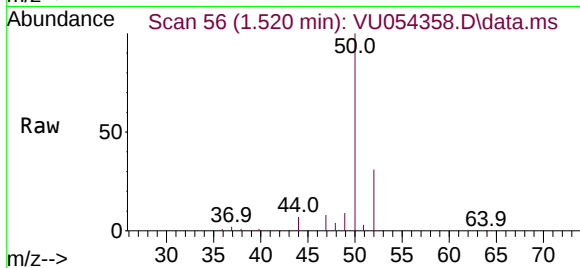
VU0531WBSD02

Tgt Ion: 50 Resp: 66057

Ion Ratio Lower Upper

50 100

52 31.4 27.4 41.2



#4

Vinyl Chloride

Concen: 21.132 ug/l

RT: 1.604 min Scan# 82

Delta R.T. -0.000 min

Lab File: VU054358.D

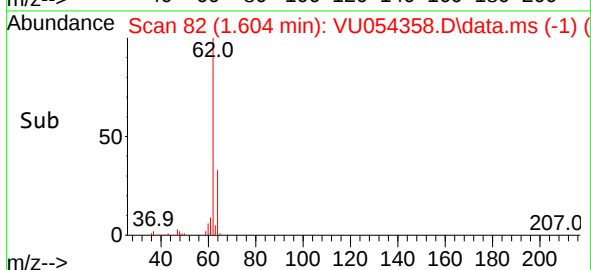
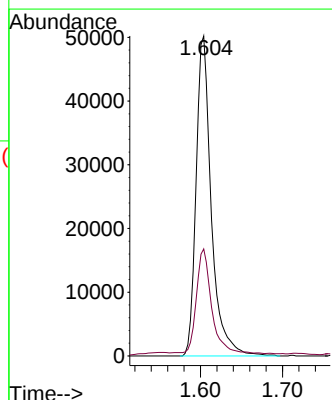
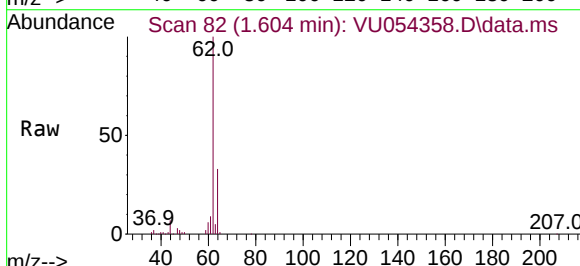
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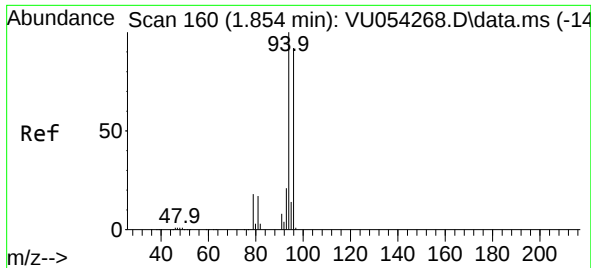
Tgt Ion: 62 Resp: 64594

Ion Ratio Lower Upper

62 100

64 32.7 25.3 37.9

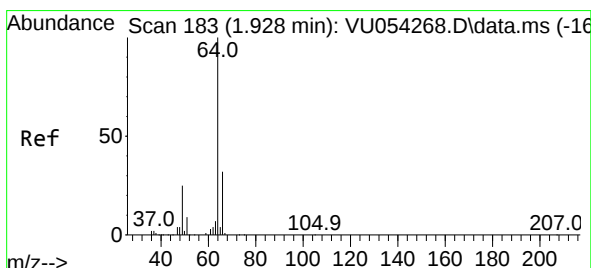
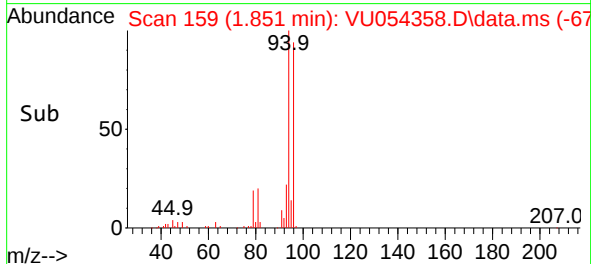
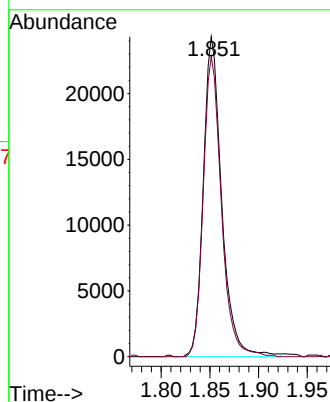
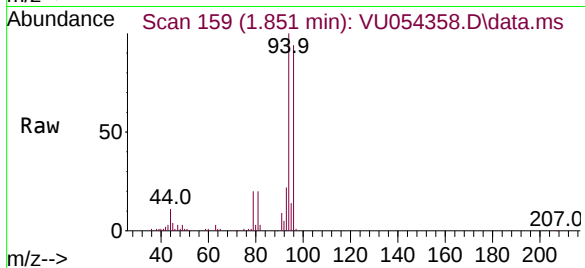




#5
Bromomethane
Concen: 18.855 ug/l
RT: 1.851 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

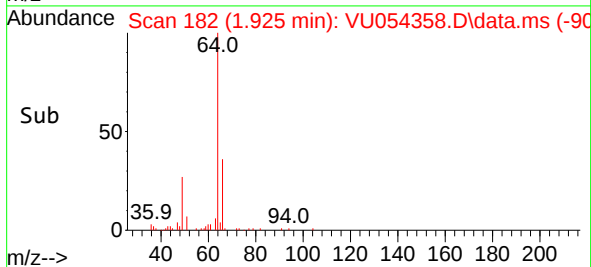
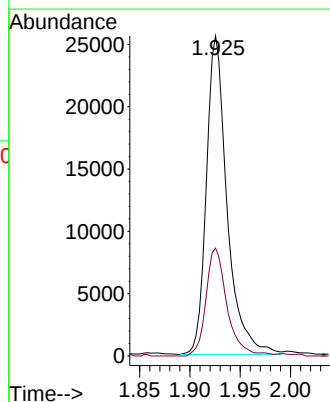
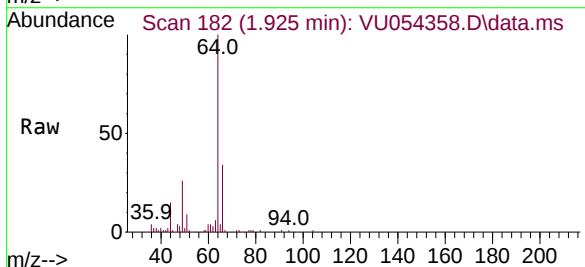
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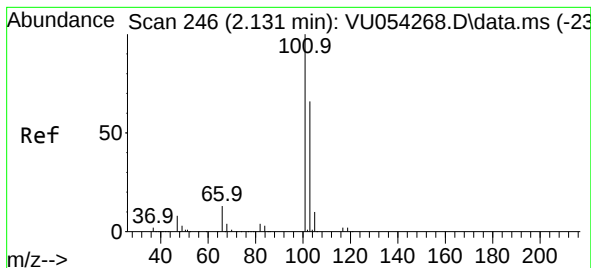
Tgt Ion: 94 Resp: 31905
Ion Ratio Lower Upper
94 100
96 93.9 73.7 110.5



#6
Chloroethane
Concen: 24.850 ug/l
RT: 1.925 min Scan# 182
Delta R.T. -0.003 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion: 64 Resp: 36632
Ion Ratio Lower Upper
64 100
66 33.9 24.7 37.1





#7

Trichlorofluoromethane

Concen: 19.494 ug/l

RT: 2.131 min Scan# 246

Delta R.T. 0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

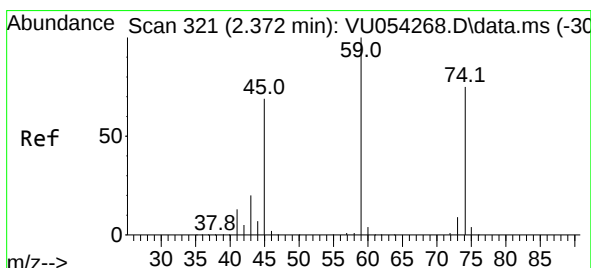
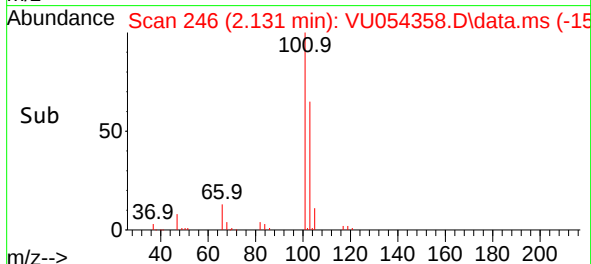
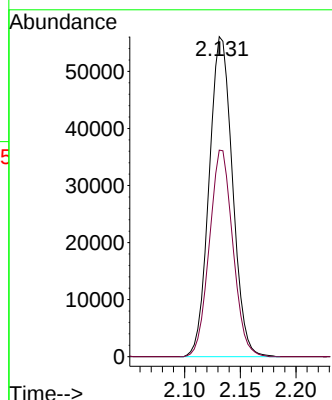
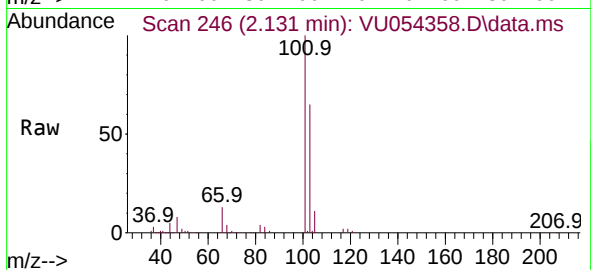
VU0531WBSD02

Tgt Ion:101 Resp: 81980

Ion Ratio Lower Upper

101 100

103 64.6 50.6 75.8



#8

Diethyl Ether

Concen: 21.281 ug/l

RT: 2.372 min Scan# 321

Delta R.T. 0.000 min

Lab File: VU054358.D

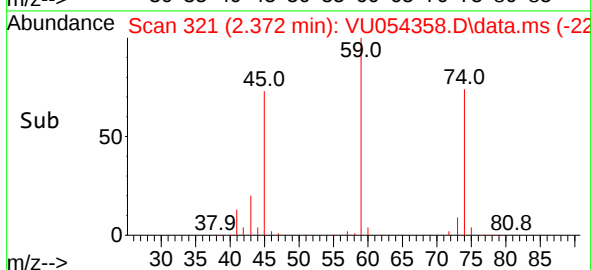
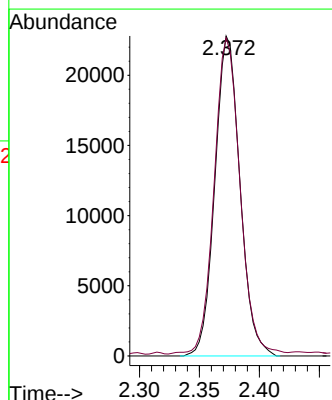
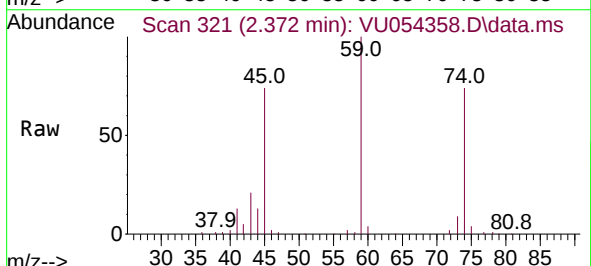
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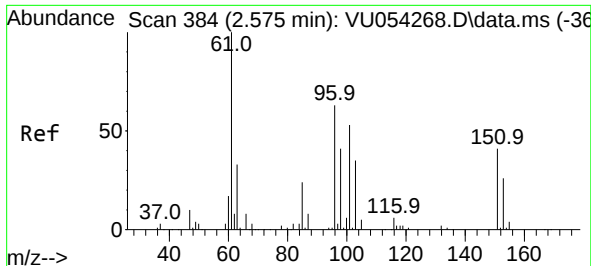
Tgt Ion: 74 Resp: 33131

Ion Ratio Lower Upper

74 100

45 101.2 44.4 133.2

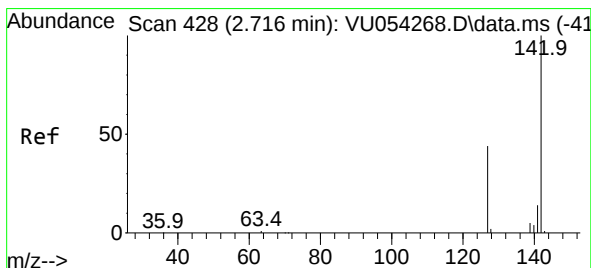
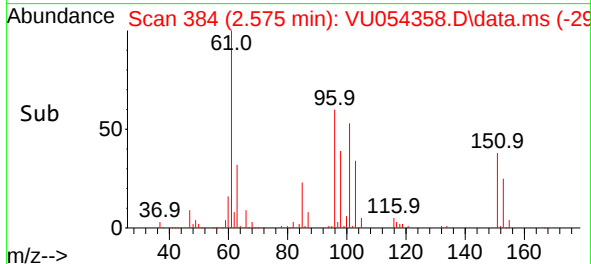
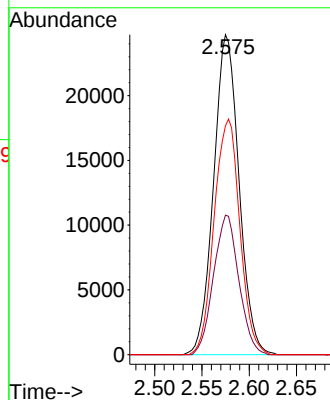
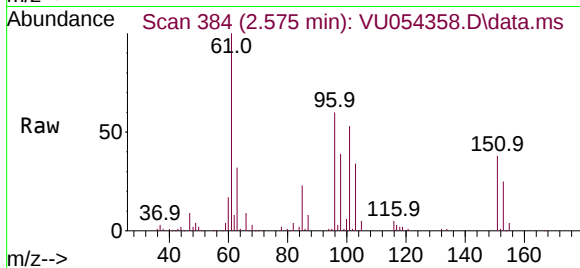




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.308 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054358.D
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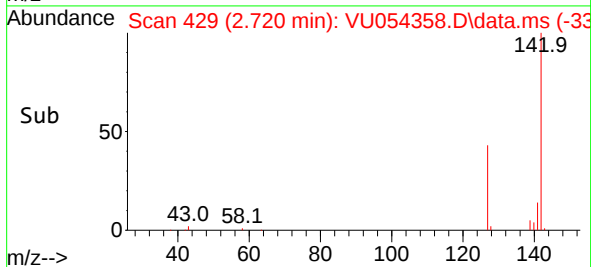
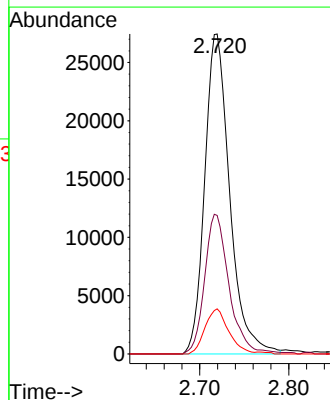
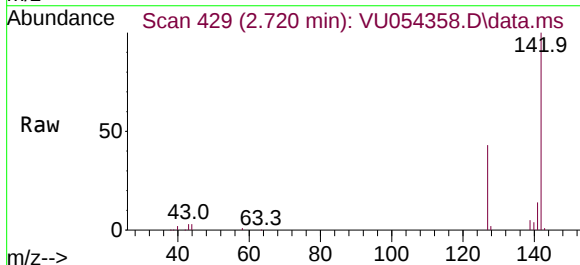
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBSD02

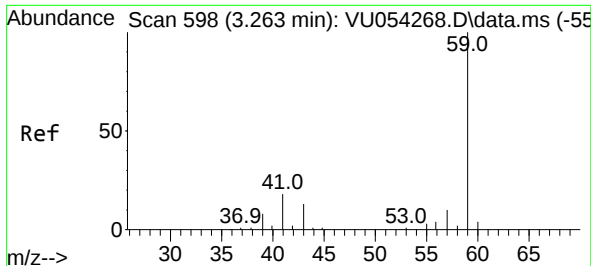
Tgt Ion:	101	Resp:	46239
Ion	Ratio	Lower	Upper
101	100		
85	43.4	33.9	50.9
151	74.4	64.0	96.0



#10
Methyl Iodide
Concen: 21.015 ug/l
RT: 2.720 min Scan# 429
Delta R.T. 0.004 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion:	142	Resp:	53452
Ion	Ratio	Lower	Upper
142	100		
127	42.8	32.5	48.7
141	13.4	11.4	17.0

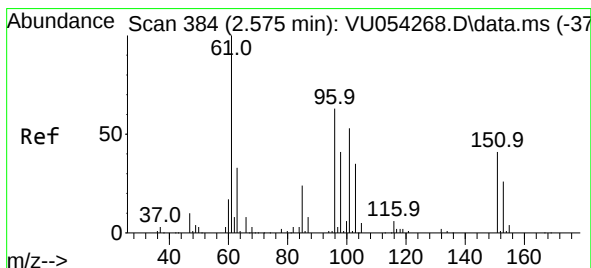
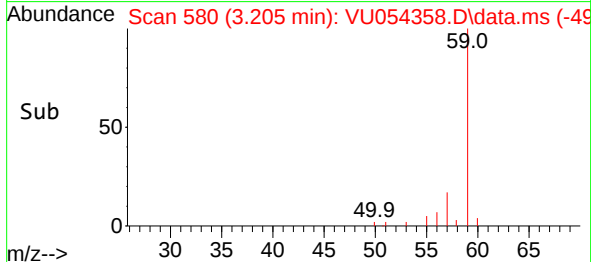
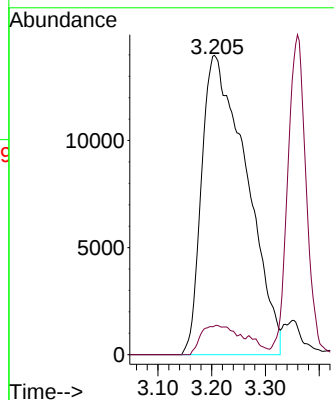
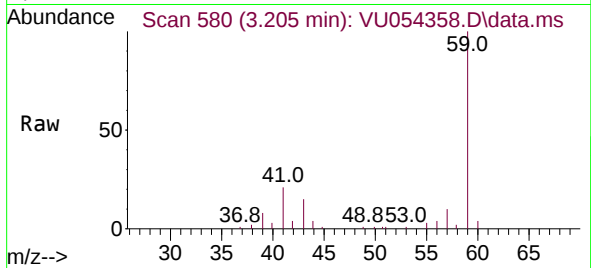




#11
Tert butyl alcohol
Concen: 103.933 ug/l
RT: 3.205 min Scan# 59
Delta R.T. -0.038 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

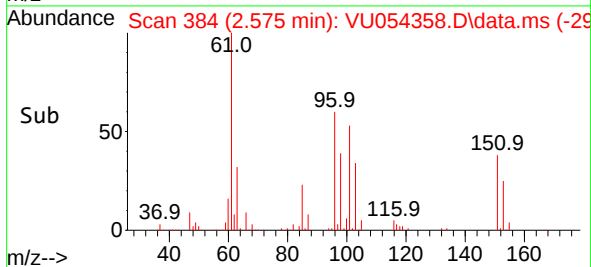
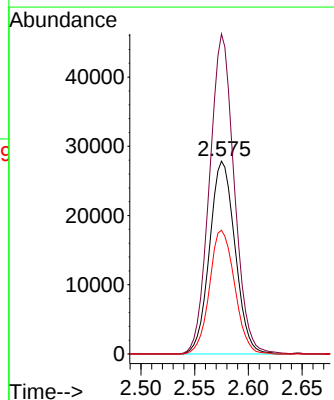
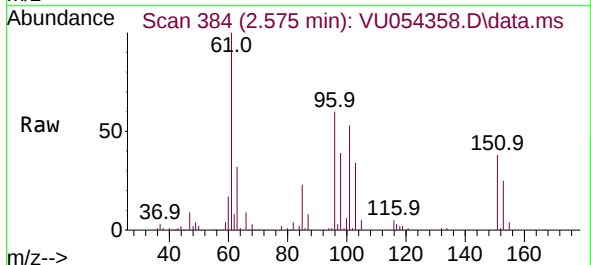
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBSD02

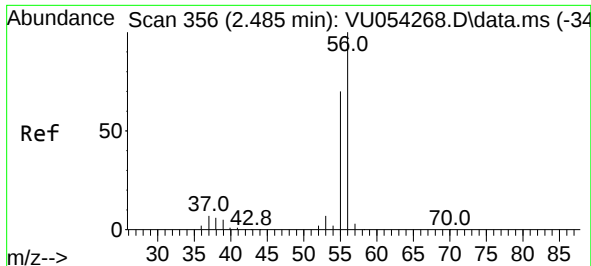
Tgt Ion: 59 Resp: 80662
Ion Ratio Lower Upper
59 100
57 7.9 30.6 45.8#



#12
1,1-Dichloroethene
Concen: 19.506 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion: 96 Resp: 45987
Ion Ratio Lower Upper
96 100
61 165.9 122.2 183.2
98 64.1 50.7 76.1





#13

Acrolein

Concen: 77.911 ug/l

RT: 2.485 min Scan# 356

Delta R.T. -0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

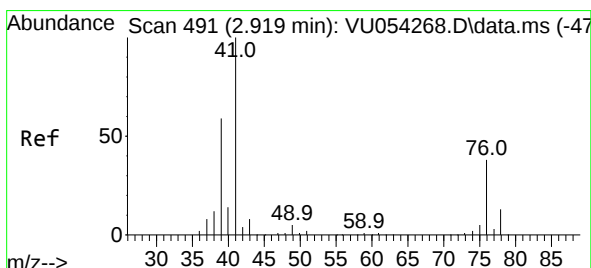
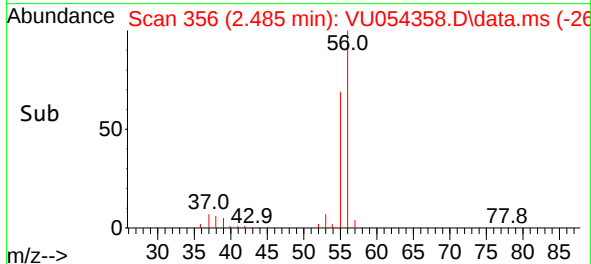
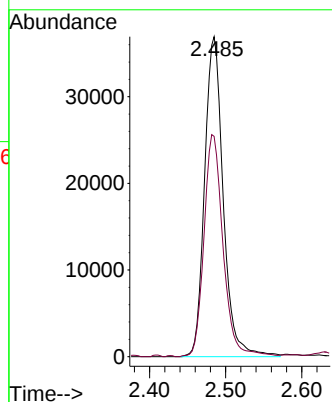
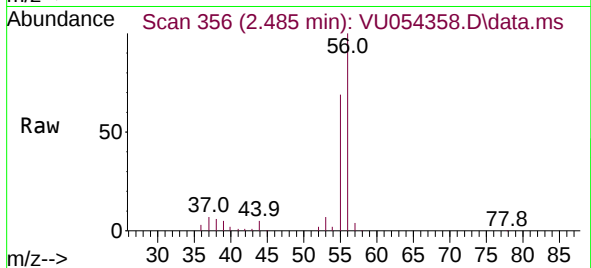
VU0531WBSD02

Tgt Ion: 56 Resp: 62904

Ion Ratio Lower Upper

56 100

55 71.0 56.6 85.0



#14

Allyl chloride

Concen: 20.290 ug/l

RT: 2.919 min Scan# 491

Delta R.T. -0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

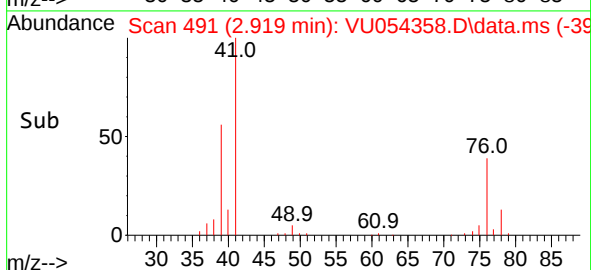
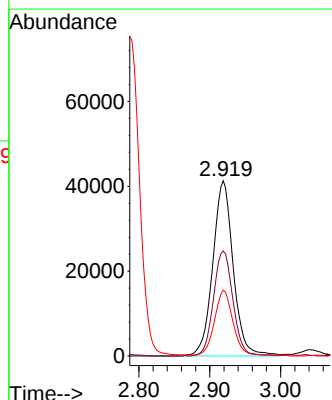
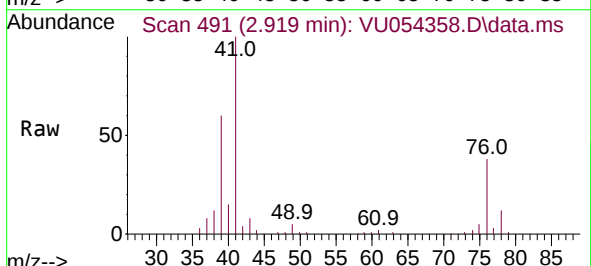
Tgt Ion: 41 Resp: 82941

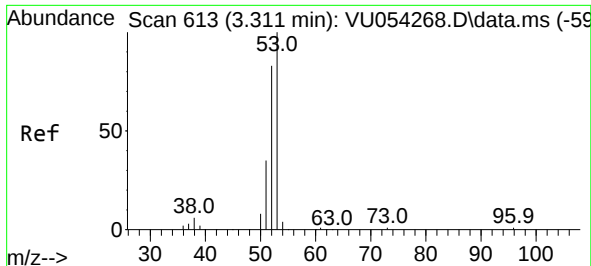
Ion Ratio Lower Upper

41 100

39 57.1 53.4 80.2

76 33.3 33.8 50.6#

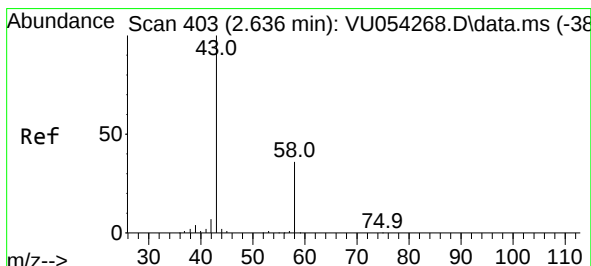
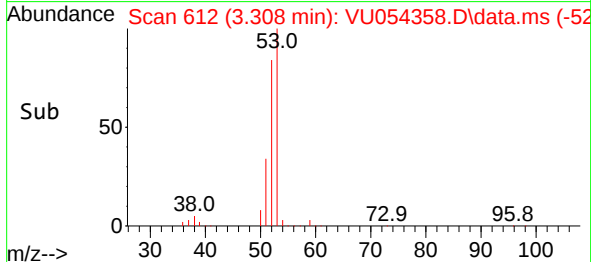
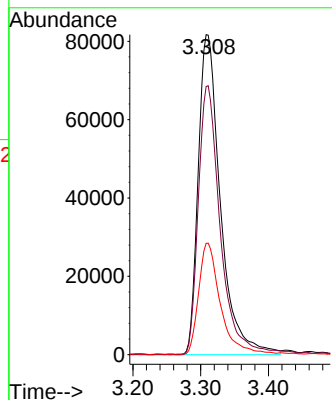
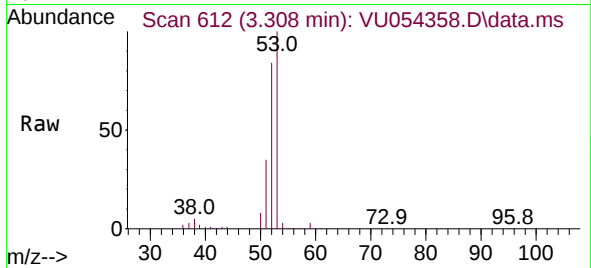




#15
Acrylonitrile
Concen: 107.181 ug/l
RT: 3.308 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

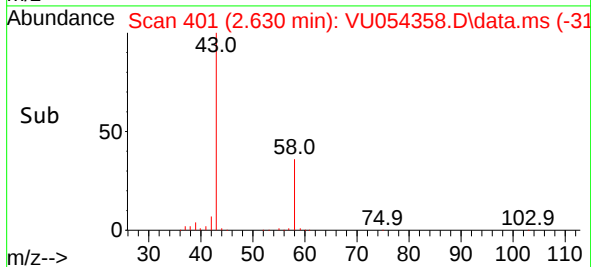
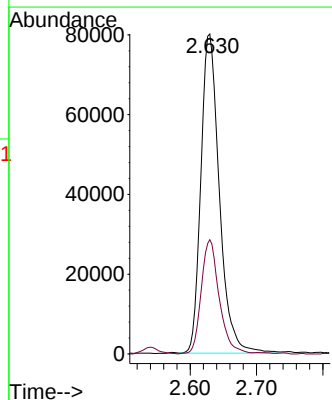
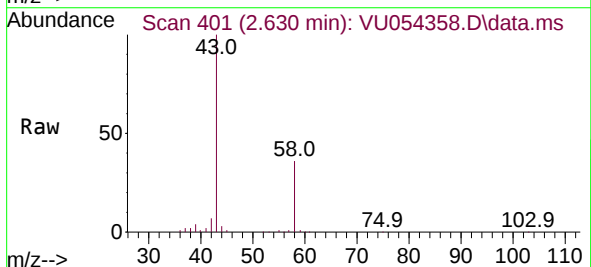
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBSD02

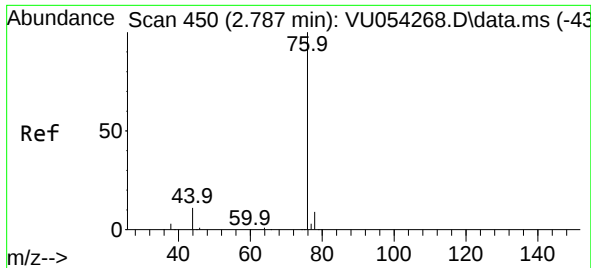
Tgt Ion: 53 Resp: 186502
Ion Ratio Lower Upper
53 100
52 83.4 65.7 98.5
51 34.3 28.2 42.4



#16
Acetone
Concen: 94.100 ug/l
RT: 2.630 min Scan# 401
Delta R.T. -0.006 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion: 43 Resp: 154975
Ion Ratio Lower Upper
43 100
58 35.7 27.5 41.3

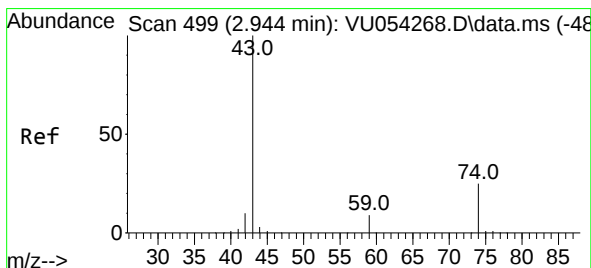
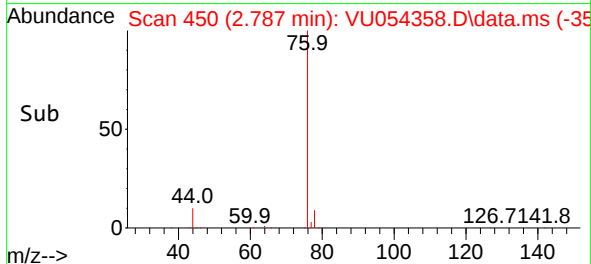
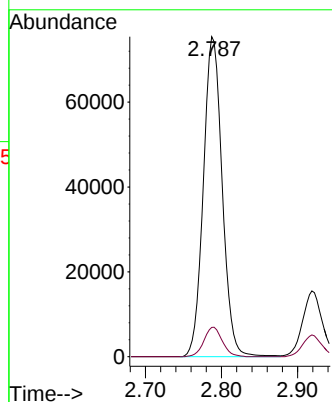
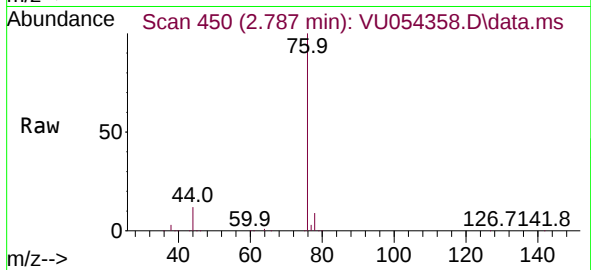




#17
Carbon Disulfide
Concen: 18.638 ug/l
RT: 2.787 min Scan# 411
Delta R.T. 0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

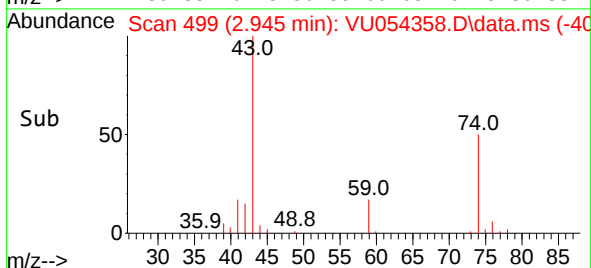
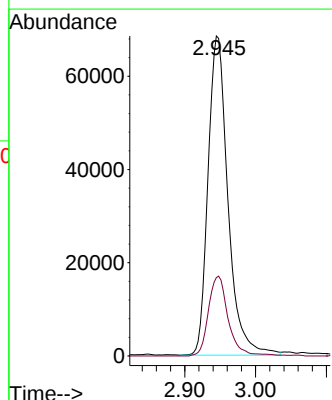
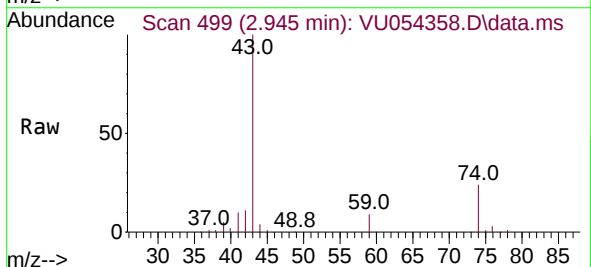
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBSD02

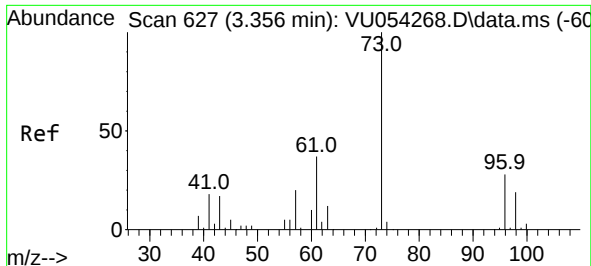
Tgt Ion: 76 Resp: 129855
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 22.239 ug/l
RT: 2.945 min Scan# 499
Delta R.T. 0.001 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion: 43 Resp: 133730
Ion Ratio Lower Upper
43 100
74 24.9 22.5 33.7

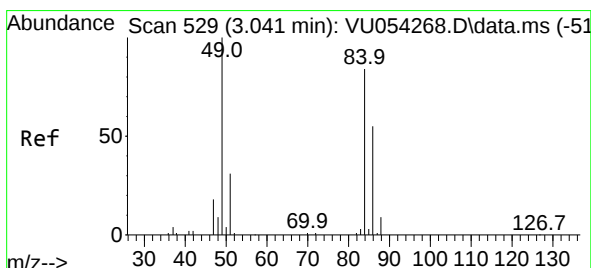
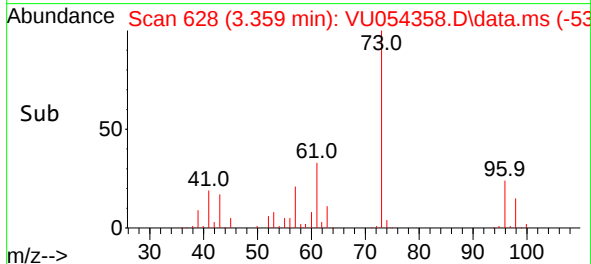
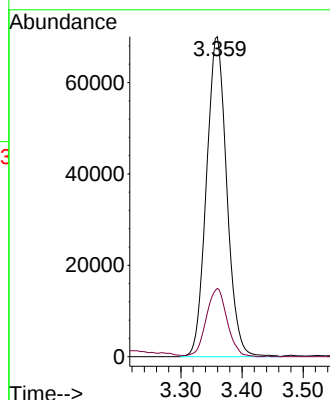
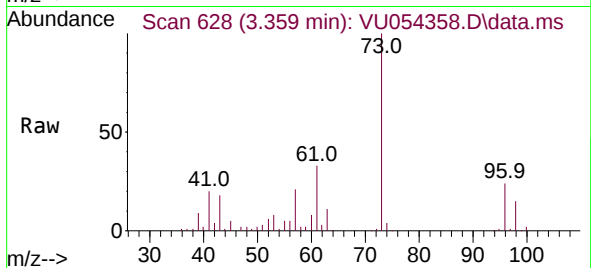




#19
Methyl tert-butyl Ether
Concen: 20.922 ug/l
RT: 3.359 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

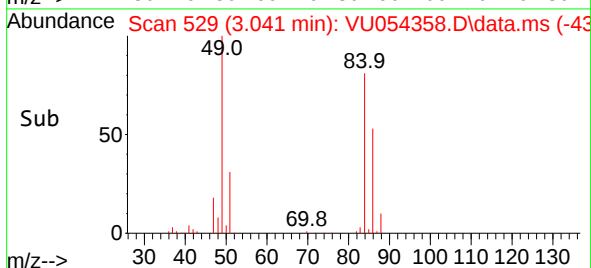
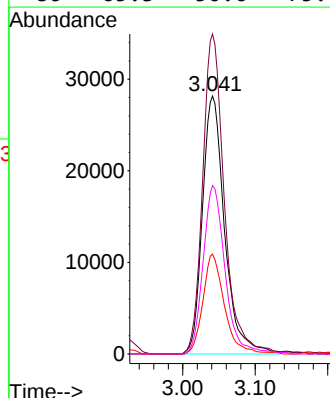
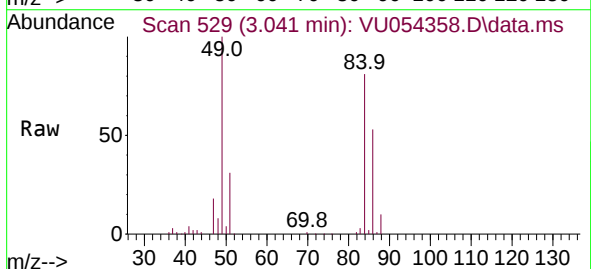
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBSD02

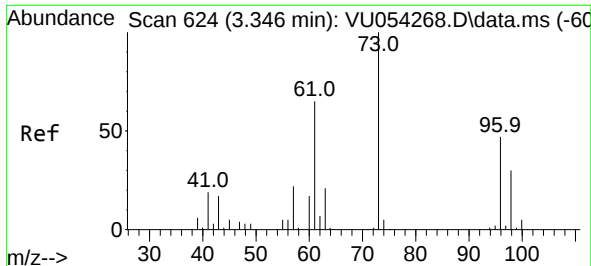
Tgt Ion: 73 Resp: 161460
Ion Ratio Lower Upper
73 100
57 21.3 17.1 25.7



#20
Methylene Chloride
Concen: 20.168 ug/l
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion: 84 Resp: 59922
Ion Ratio Lower Upper
84 100
49 124.1 86.6 129.8
51 38.7 26.6 40.0
86 65.3 50.6 75.8

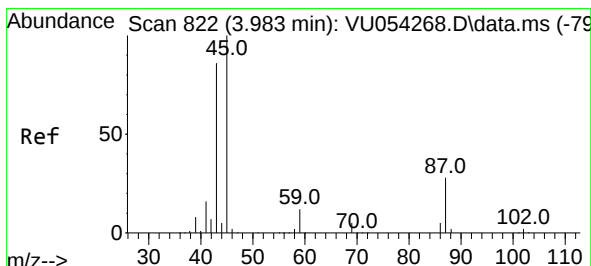
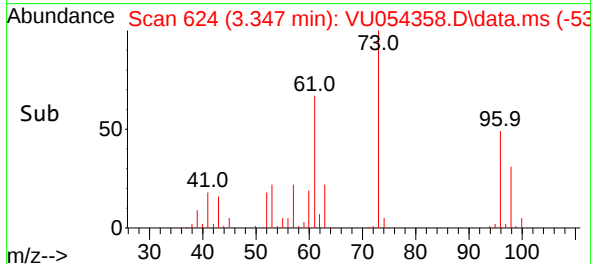
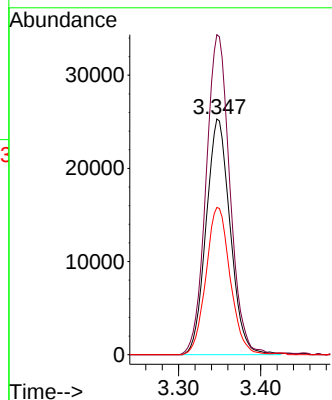
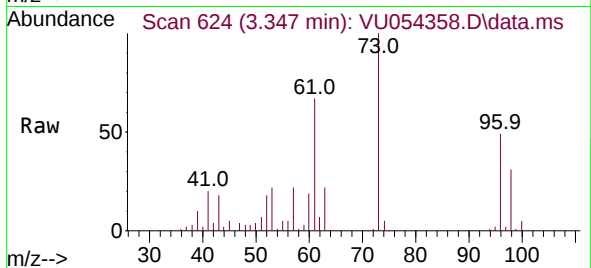




#21
trans-1,2-Dichloroethene
Concen: 20.520 ug/l
RT: 3.347 min Scan# 61
Delta R.T. 0.001 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

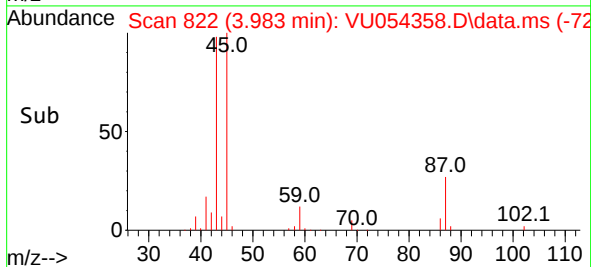
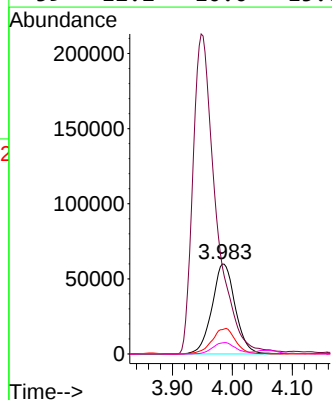
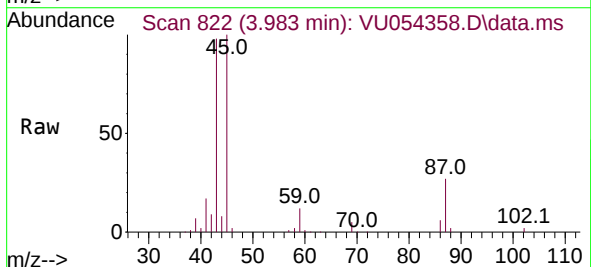
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBSD02

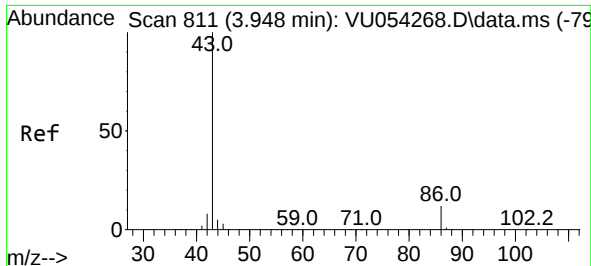
Tgt Ion: 96 Resp: 51794
Ion Ratio Lower Upper
96 100
61 135.8 106.1 159.1
98 62.4 50.8 76.2



#22
Diisopropyl ether
Concen: 22.200 ug/l
RT: 3.983 min Scan# 822
Delta R.T. 0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion: 45 Resp: 160836
Ion Ratio Lower Upper
45 100
43 96.5 92.9 139.3
87 27.0 26.2 39.2
59 12.2 10.0 15.0

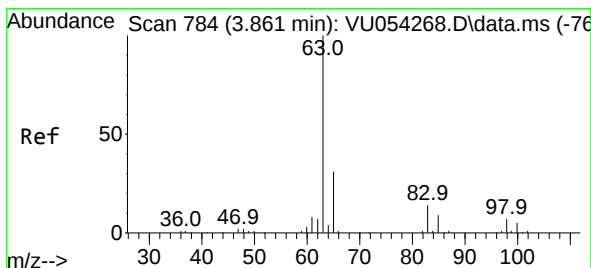
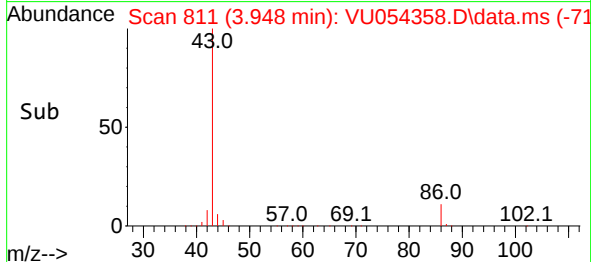
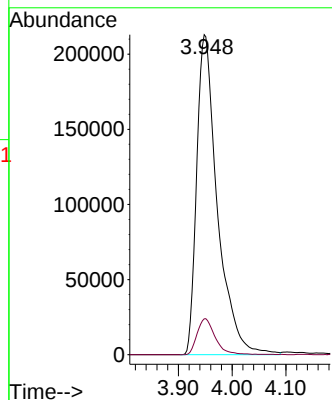
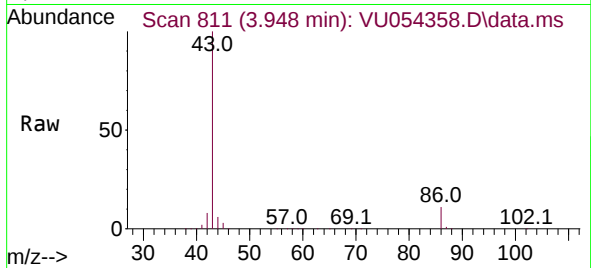




#23
 Vinyl Acetate
 Concen: 108.082 ug/l
 RT: 3.948 min Scan# 811
 Delta R.T. -0.000 min
 Lab File: VU054358.D
 Acq: 31 May 2023 23:43

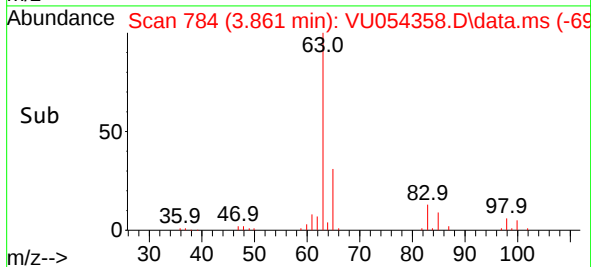
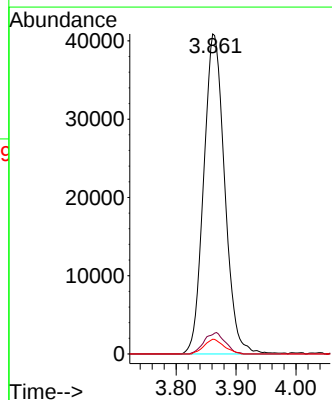
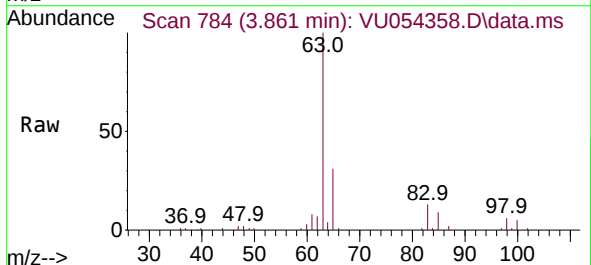
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0531WBSD02

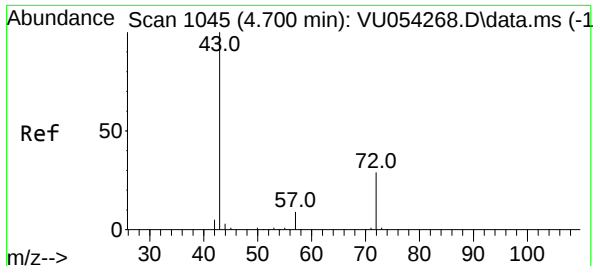
Tgt Ion: 43 Resp: 571391
 Ion Ratio Lower Upper
 43 100
 86 11.2 9.8 14.8



#24
 1,1-Dichloroethane
 Concen: 21.452 ug/l
 RT: 3.861 min Scan# 784
 Delta R.T. -0.000 min
 Lab File: VU054358.D
 Acq: 31 May 2023 23:43

Tgt Ion: 63 Resp: 99520
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.6 10.9
 100 4.6 2.4 7.2

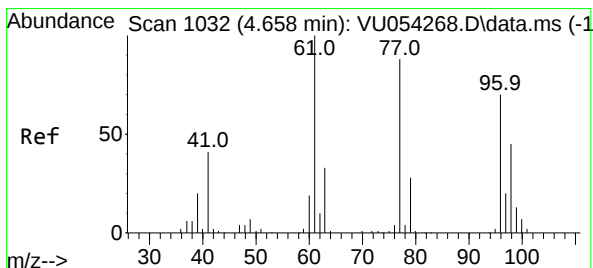
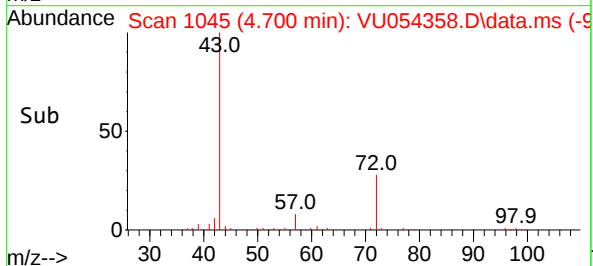
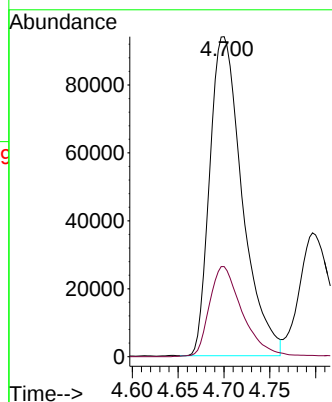
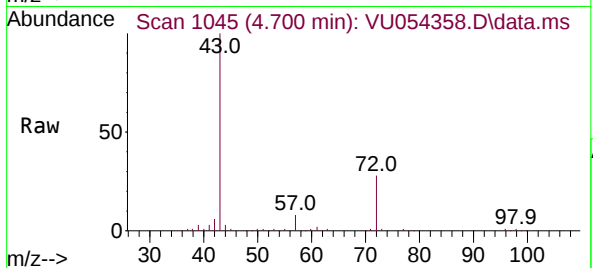




#25
2-Butanone
Concen: 106.284 ug/l
RT: 4.700 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

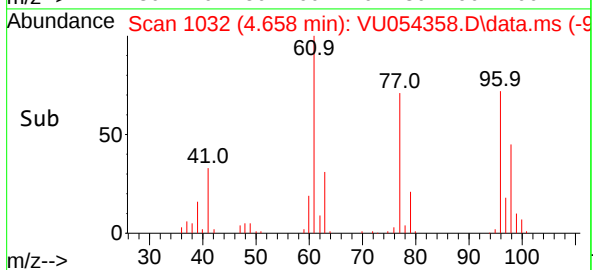
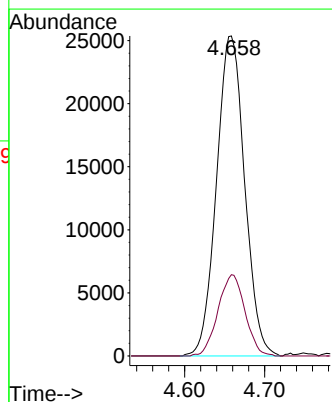
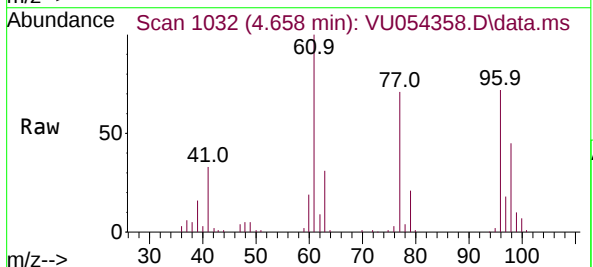
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBSD02

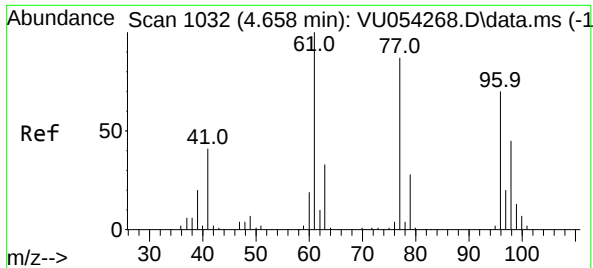
Tgt Ion: 43 Resp: 231755
Ion Ratio Lower Upper
43 100
72 28.1 23.8 35.6



#26
2,2-Dichloropropane
Concen: 15.294 ug/l
RT: 4.658 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion: 77 Resp: 62006
Ion Ratio Lower Upper
77 100
97 24.3 11.6 34.8

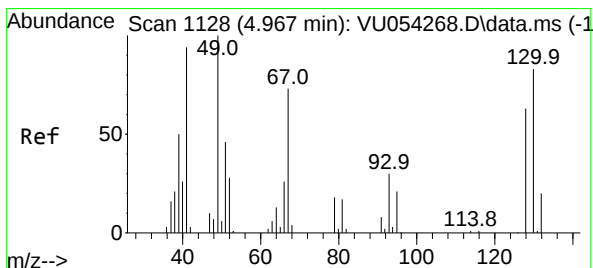
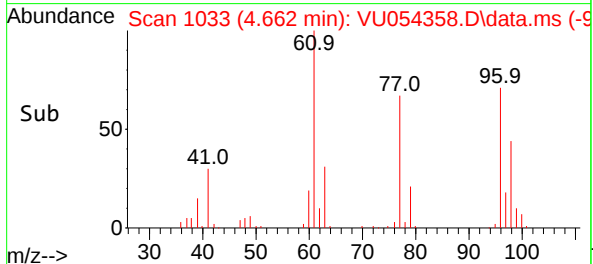
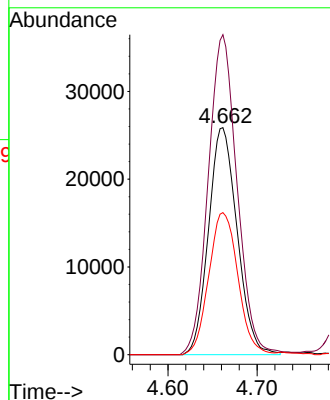
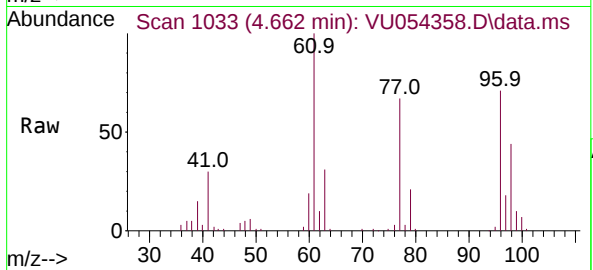




#27
 cis-1,2-Dichloroethene
 Concen: 20.577 ug/l
 RT: 4.662 min Scan# 1033
 Delta R.T. 0.004 min
 Lab File: VU054358.D
 Acq: 31 May 2023 23:43

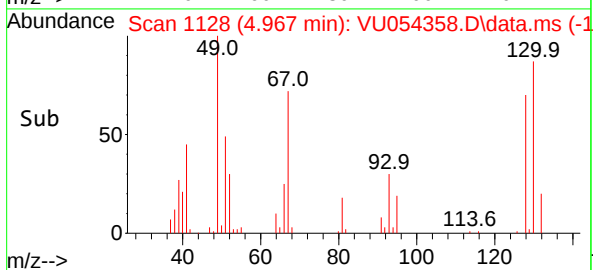
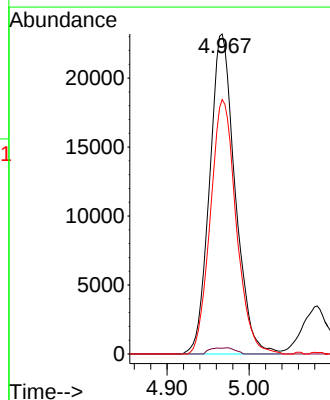
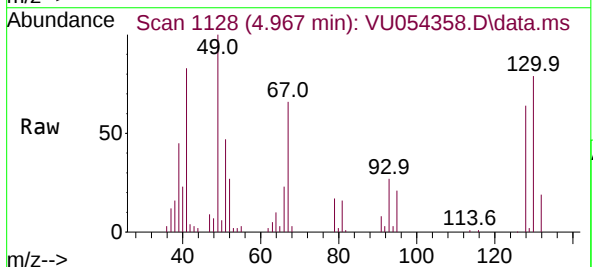
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0531WBSD02

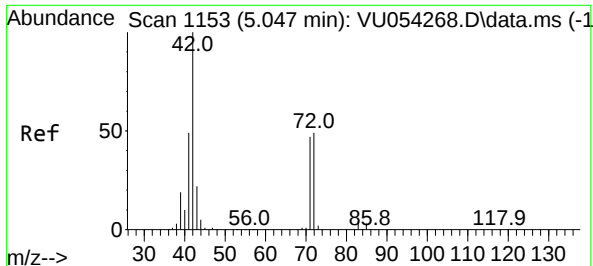
Tgt Ion: 96 Resp: 57777
 Ion Ratio Lower Upper
 96 100
 61 142.0 0.0 271.6
 98 63.7 0.0 128.2



#28
 Bromochloromethane
 Concen: 23.367 ug/l
 RT: 4.967 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VU054358.D
 Acq: 31 May 2023 23:43

Tgt Ion: 49 Resp: 50163
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 4.6
 130 80.3 76.9 115.3





#29

Tetrahydrofuran

Concen: 110.713 ug/l

RT: 5.047 min Scan# 1153

Delta R.T. 0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

VU0531WBSD02

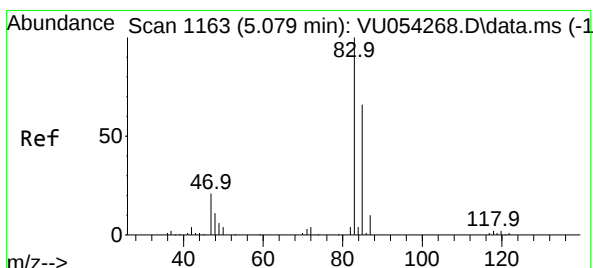
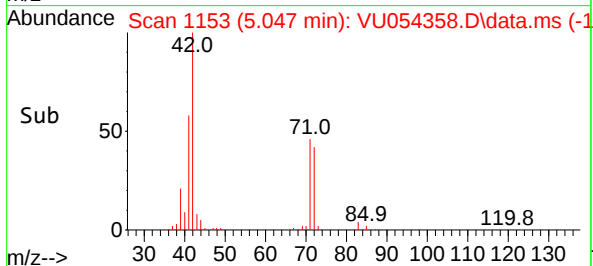
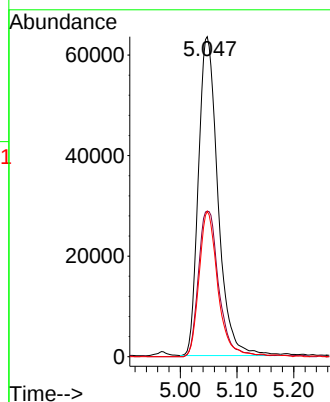
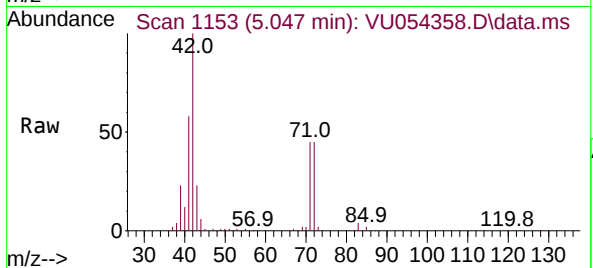
Tgt Ion: 42 Resp: 151746

Ion Ratio Lower Upper

42 100

72 47.7 42.6 63.8

71 43.6 40.3 60.5



#30

Chloroform

Concen: 20.478 ug/l

RT: 5.083 min Scan# 1164

Delta R.T. 0.004 min

Lab File: VU054358.D

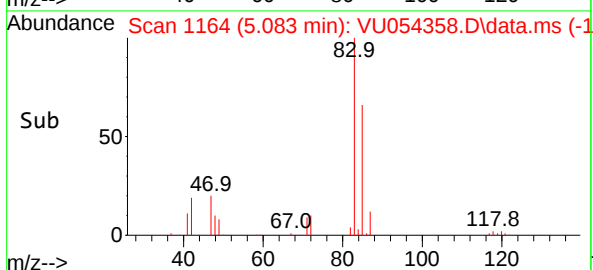
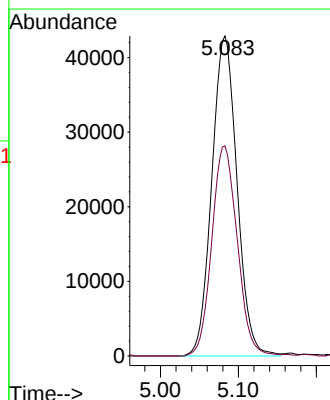
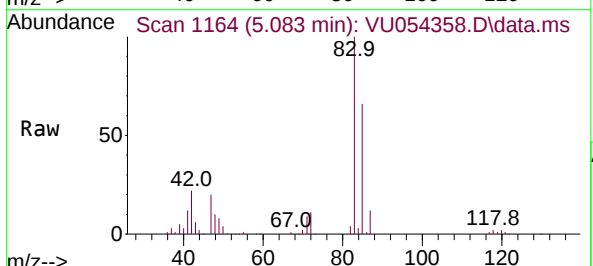
Acq: 31 May 2023 23:43

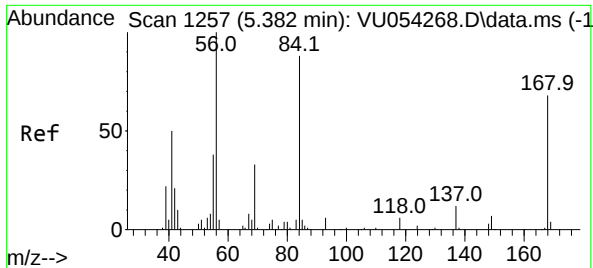
Tgt Ion: 83 Resp: 96571

Ion Ratio Lower Upper

83 100

85 65.6 51.2 76.8

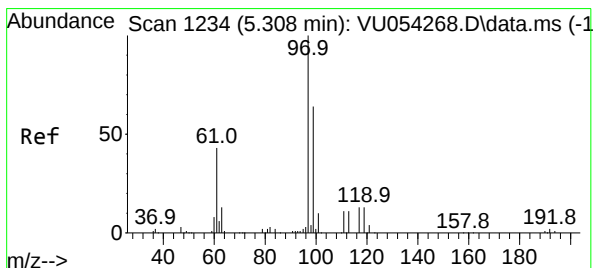
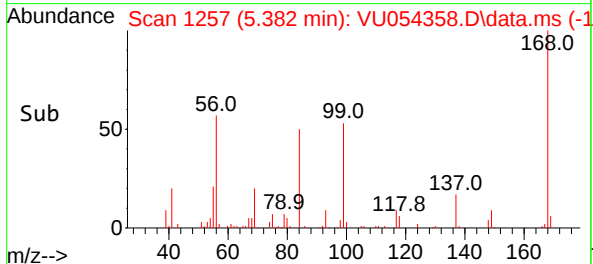
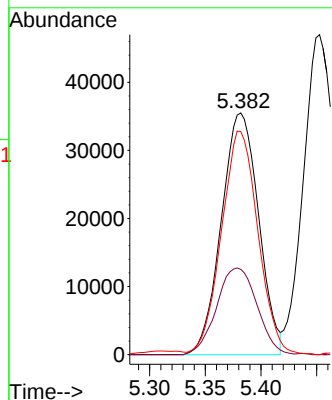
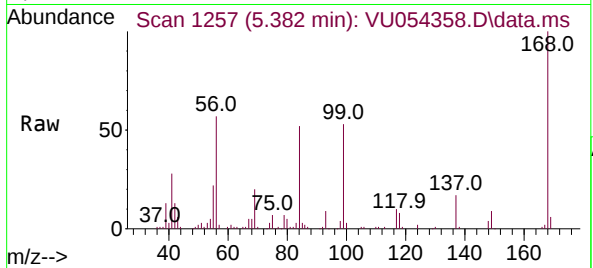




#31
Cyclohexane
Concen: 20.367 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

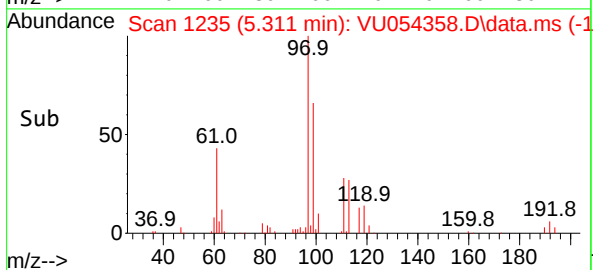
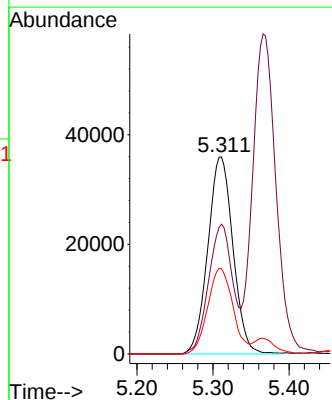
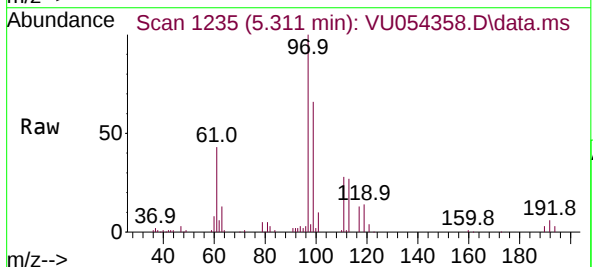
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBSD02

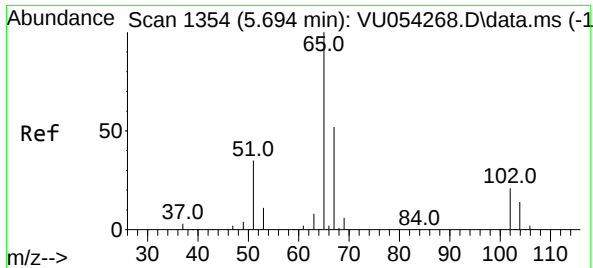
Tgt Ion: 56	Resp: 82626
Ion Ratio	Lower Upper
56	100
69	35.3 27.8 41.8
84	91.0 74.2 111.4



#32
1,1,1-Trichloroethane
Concen: 20.171 ug/l
RT: 5.311 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion: 97	Resp: 82582
Ion Ratio	Lower Upper
97	100
99	63.6 51.8 77.6
61	43.8 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 52.642 ug/l

RT: 5.697 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

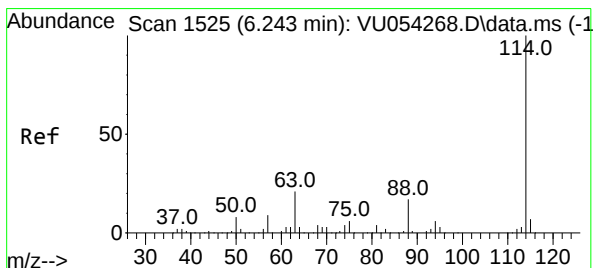
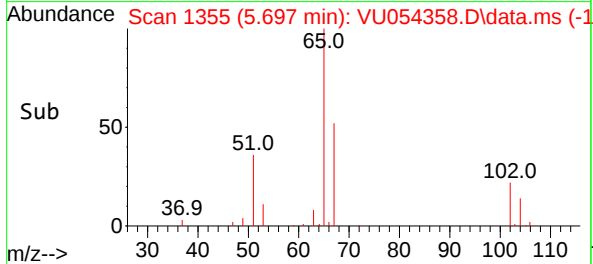
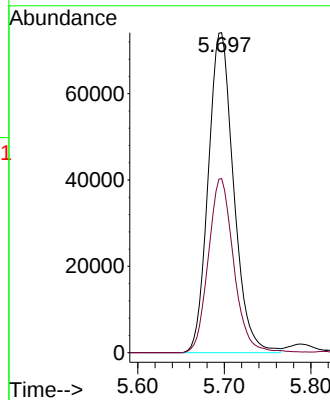
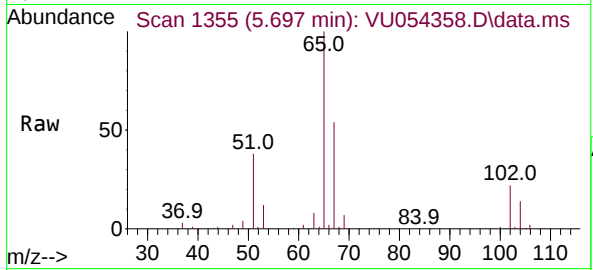
VU0531WBSD02

Tgt Ion: 65 Resp: 151247

Ion Ratio Lower Upper

65 100

67 54.4 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.244 min Scan# 1525

Delta R.T. 0.001 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

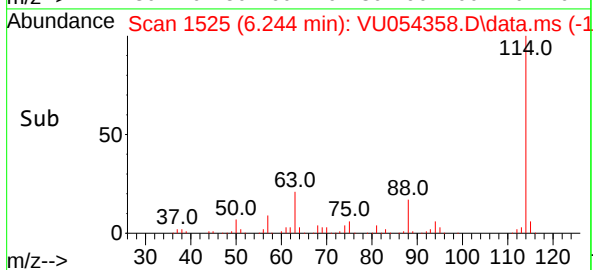
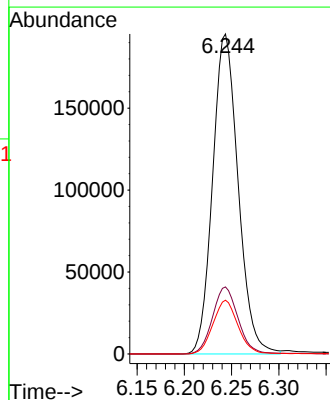
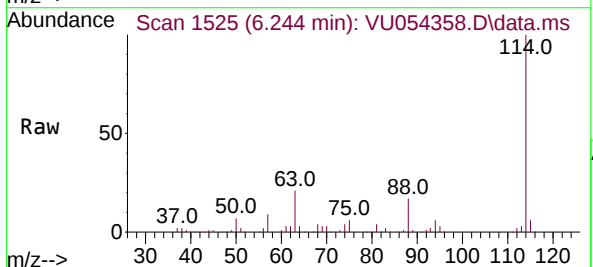
Tgt Ion: 114 Resp: 366654

Ion Ratio Lower Upper

114 100

63 21.0 0.0 37.8

88 16.8 0.0 29.2





#35

Dibromofluoromethane

Concen: 51.743 ug/l

RT: 5.282 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

VU0531WBSD02

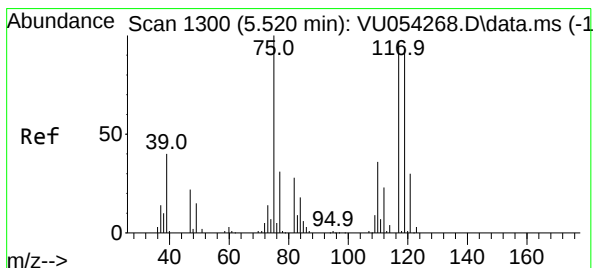
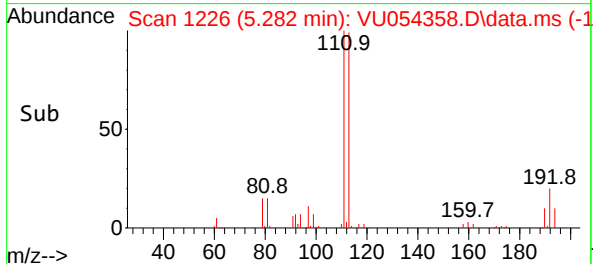
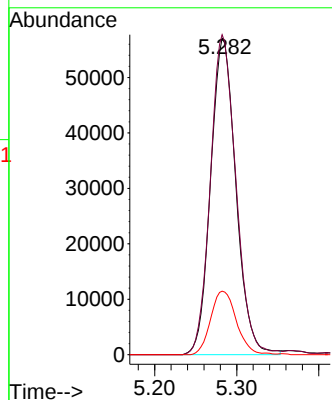
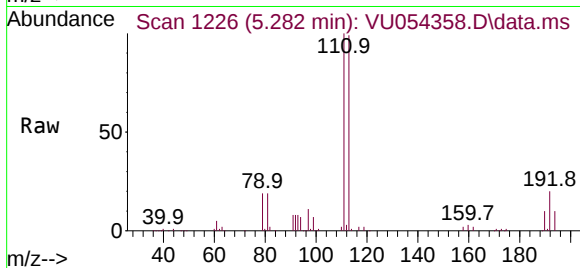
Tgt Ion:113 Resp: 122174

Ion Ratio Lower Upper

113 100

111 101.8 82.1 123.1

192 20.5 18.0 27.0



#36

1,1-Dichloropropene

Concen: 18.362 ug/l

RT: 5.520 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

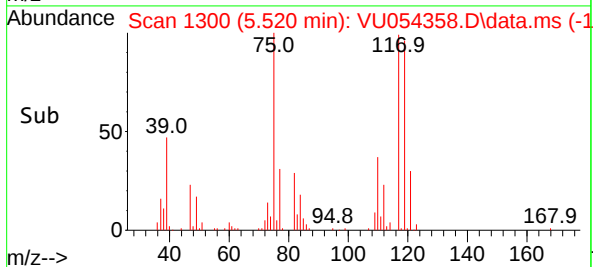
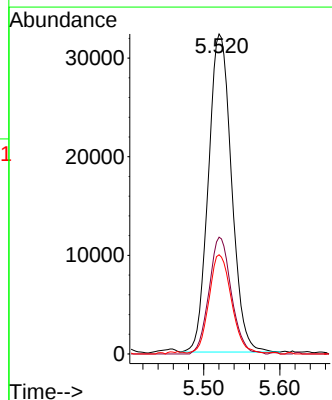
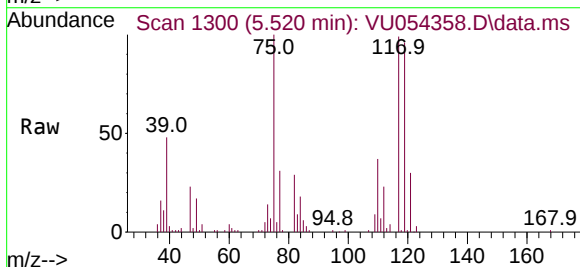
Tgt Ion: 75 Resp: 68096

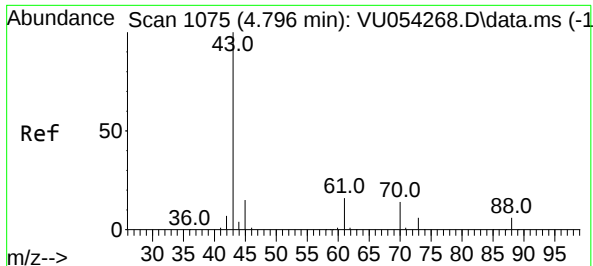
Ion Ratio Lower Upper

75 100

110 35.4 18.4 55.2

77 29.7 25.1 37.7





#37

Ethyl Acetate

Concen: 19.359 ug/l

RT: 4.797 min Scan# 1075

Delta R.T. 0.001 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

VU0531WBSD02

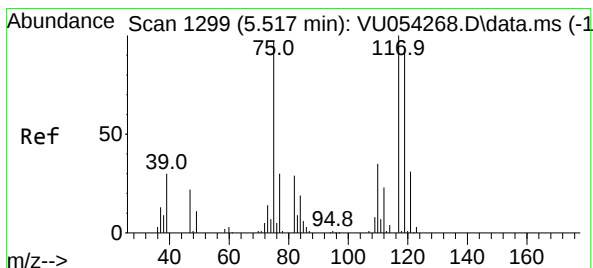
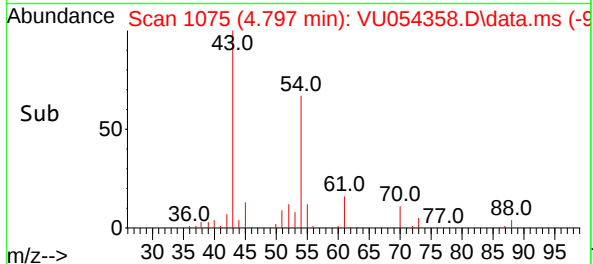
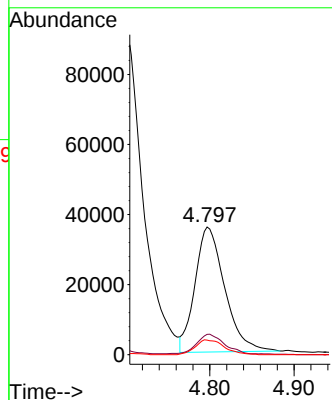
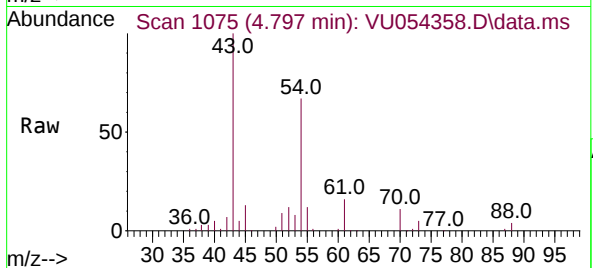
Tgt Ion: 43 Resp: 87497

Ion Ratio Lower Upper

43 100

61 15.6 9.5 14.3#

70 11.5 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 18.602 ug/l

RT: 5.517 min Scan# 1299

Delta R.T. -0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

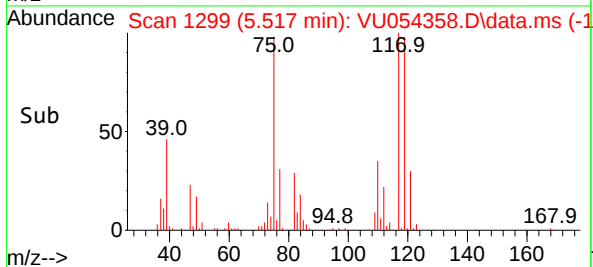
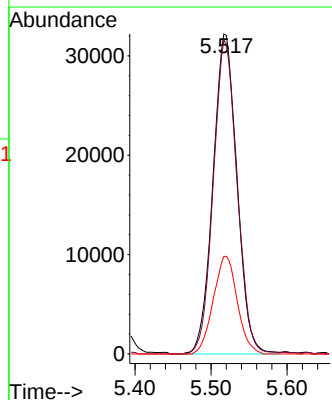
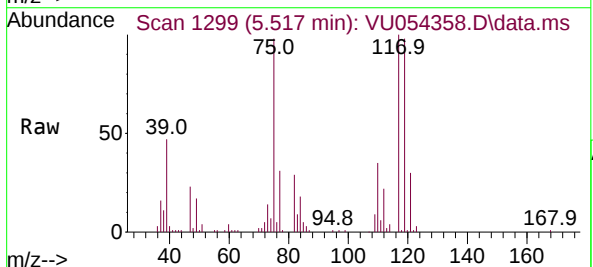
Tgt Ion: 117 Resp: 70612

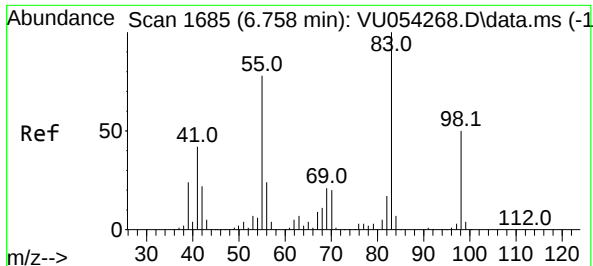
Ion Ratio Lower Upper

117 100

119 98.1 76.8 115.2

121 30.4 24.7 37.1





#39

Methylcyclohexane

Concen: 18.427 ug/l

RT: 6.758 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

VU0531WBSD02

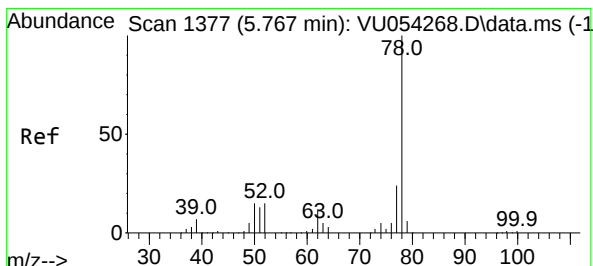
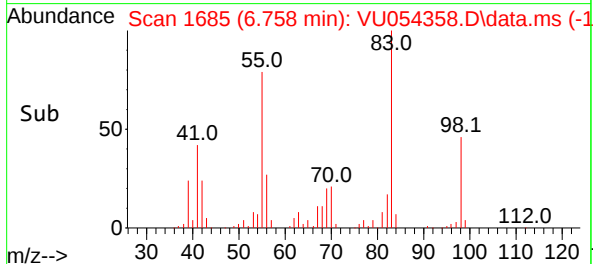
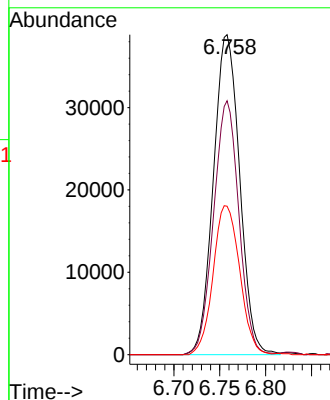
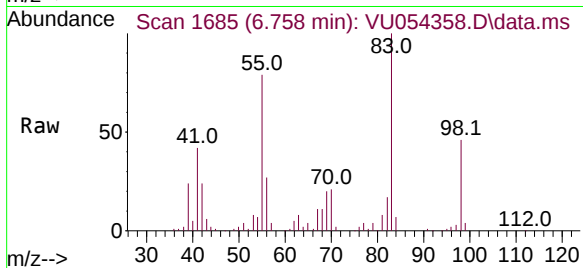
Tgt Ion: 83 Resp: 77403

Ion Ratio Lower Upper

83 100

55 79.4 55.3 82.9

98 46.4 37.3 55.9



#40

Benzene

Concen: 20.216 ug/l

RT: 5.768 min Scan# 1377

Delta R.T. 0.001 min

Lab File: VU054358.D

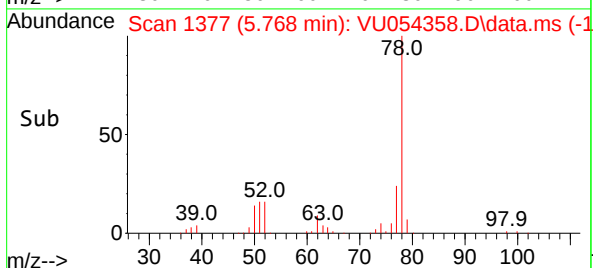
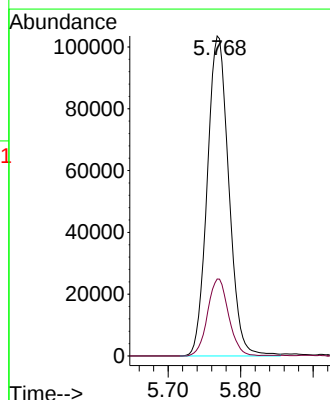
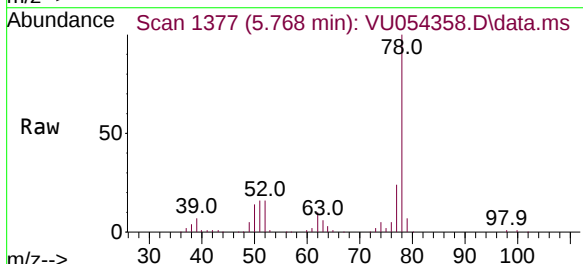
Acq: 31 May 2023 23:43

Tgt Ion: 78 Resp: 213852

Ion Ratio Lower Upper

78 100

77 24.1 18.8 28.2

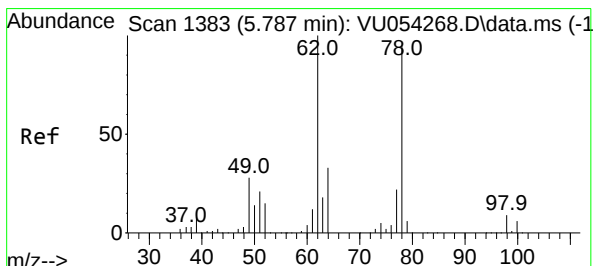
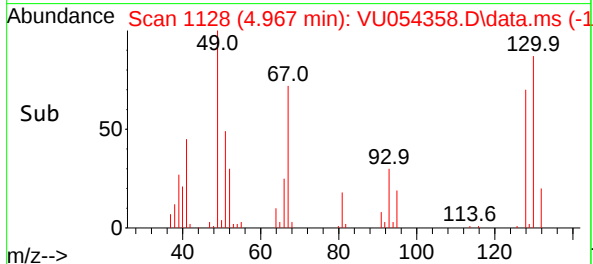
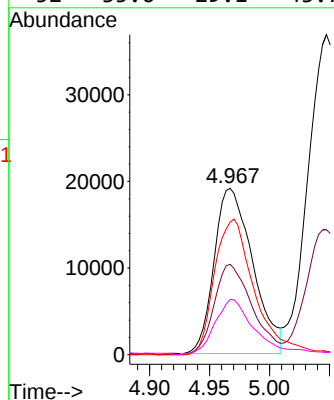
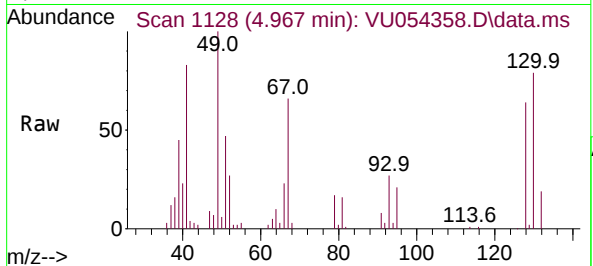




#41
Methacrylonitrile
Concen: 20.448 ug/l
RT: 4.967 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

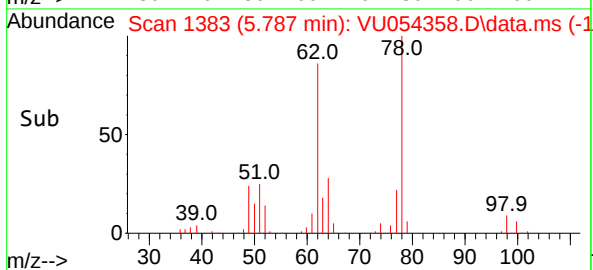
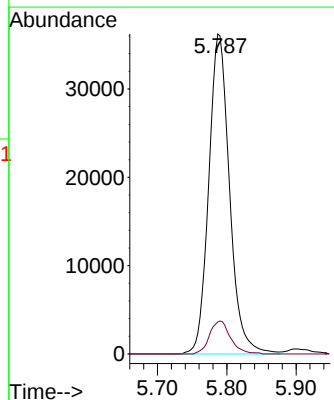
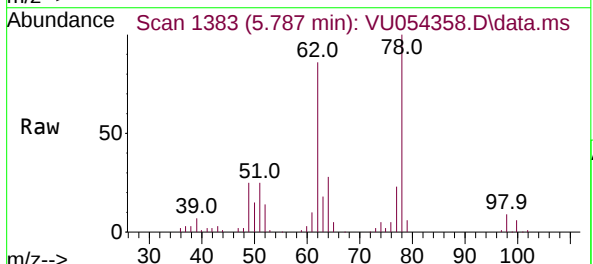
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBSD02

Tgt Ion:	41	Resp:	42714
Ion	Ratio	Lower	Upper
41	100		
39	54.0	43.1	64.7
67	86.2	72.3	108.5
52	35.6	29.1	43.7



#42
1,2-Dichloroethane
Concen: 19.653 ug/l
RT: 5.787 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion:	62	Resp:	75523
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	18.6





#43

Isopropyl Acetate

Concen: 20.151 ug/l

RT: 5.906 min Scan# 1419

Delta R.T. 0.003 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

VU0531WBSD02

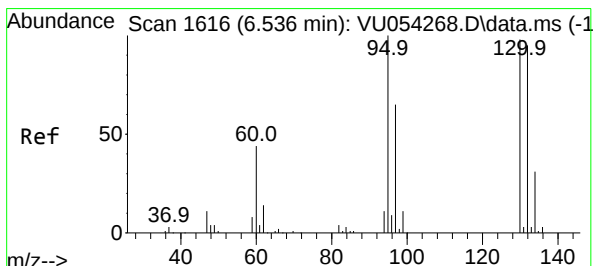
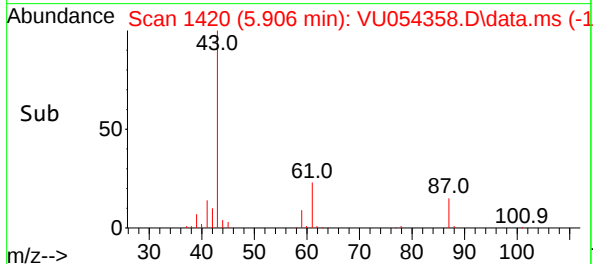
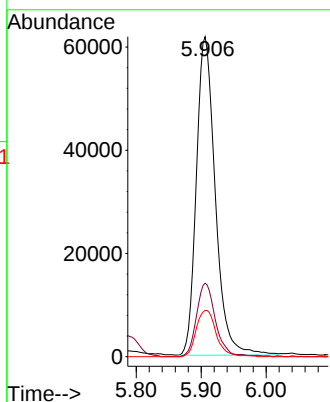
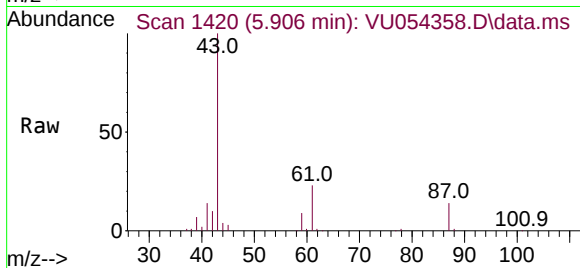
Tgt Ion: 43 Resp: 125626

Ion Ratio Lower Upper

43 100

61 23.1 17.4 26.0

87 15.1 12.6 18.8



#44

Trichloroethene

Concen: 19.016 ug/l

RT: 6.536 min Scan# 1616

Delta R.T. 0.000 min

Lab File: VU054358.D

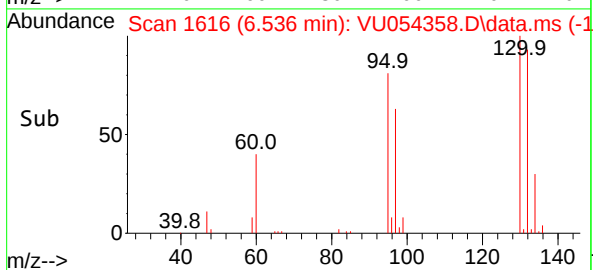
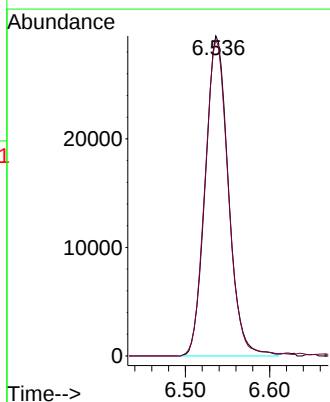
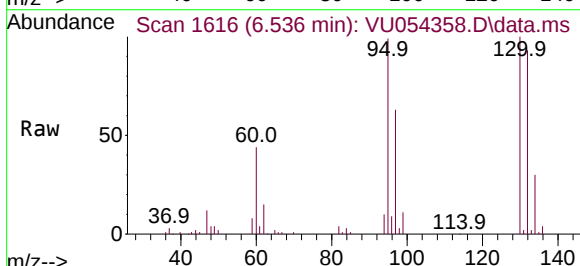
Acq: 31 May 2023 23:43

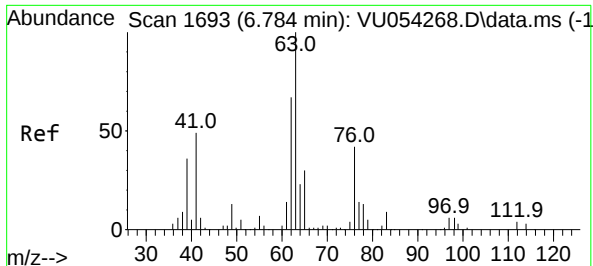
Tgt Ion:130 Resp: 56231

Ion Ratio Lower Upper

130 100

95 98.8 0.0 184.6





#45

1,2-Dichloropropane

Concen: 20.407 ug/l

RT: 6.784 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

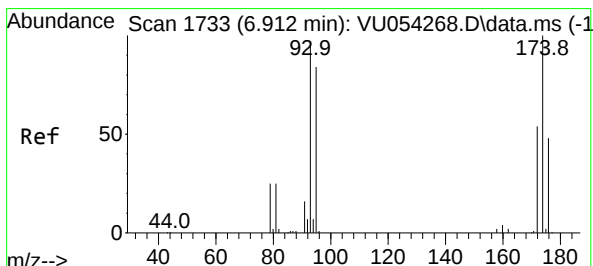
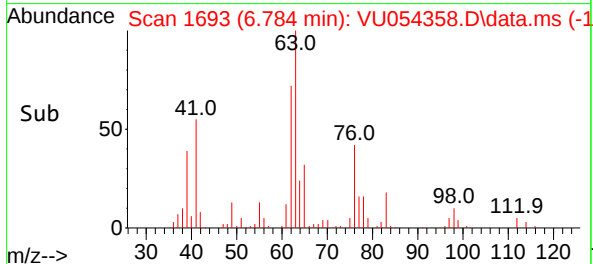
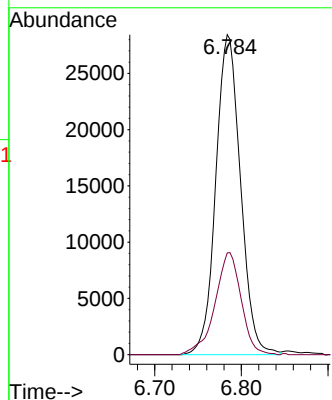
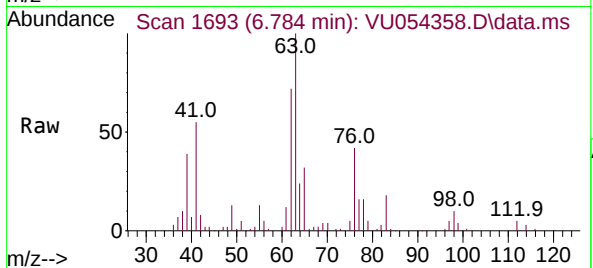
VU0531WBSD02

Tgt Ion: 63 Resp: 56316

Ion Ratio Lower Upper

63 100

65 31.8 25.0 37.4



#46

Dibromomethane

Concen: 19.649 ug/l

RT: 6.912 min Scan# 1733

Delta R.T. 0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

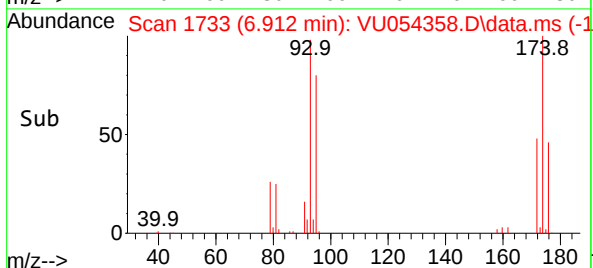
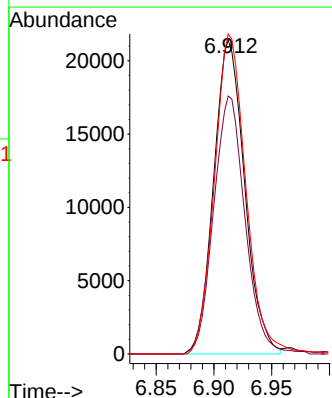
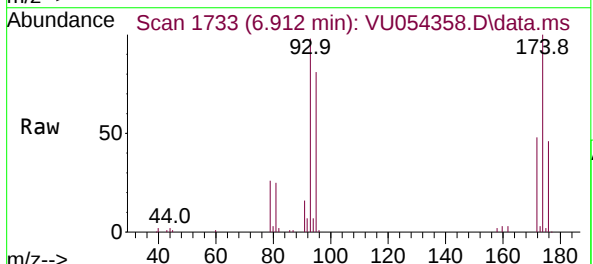
Tgt Ion: 93 Resp: 39914

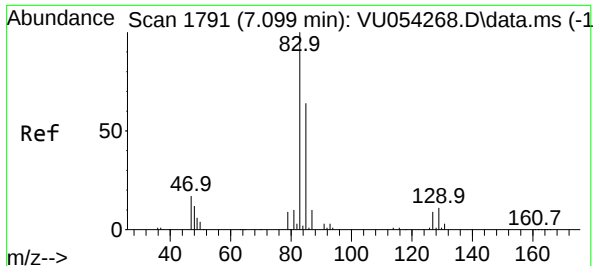
Ion Ratio Lower Upper

93 100

95 83.3 66.3 99.5

174 103.7 88.2 132.4





#47

Bromodichloromethane

Concen: 19.491 ug/l

RT: 7.099 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

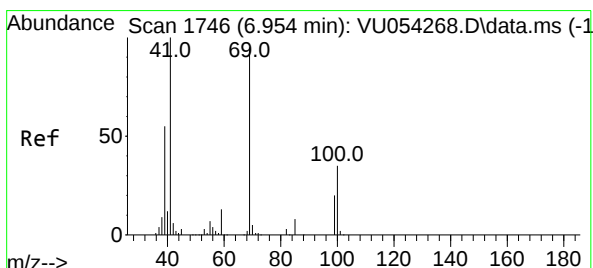
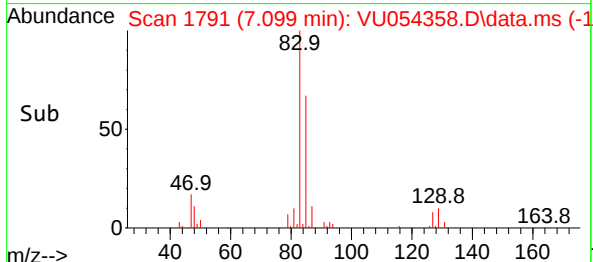
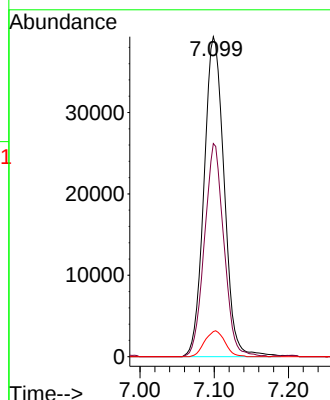
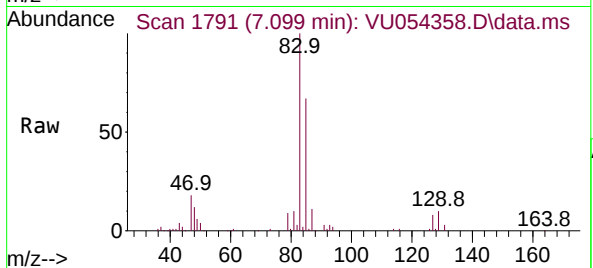
Instrument :

MSVOA_U

ClientSampleId :

VU0531WBSD02

Tgt Ion: 83	Resp: 74045
Ion Ratio	Lower Upper
83 100	
85 66.6	51.4 77.2
127 7.9	7.1 10.7



#48

Methyl methacrylate

Concen: 21.123 ug/l

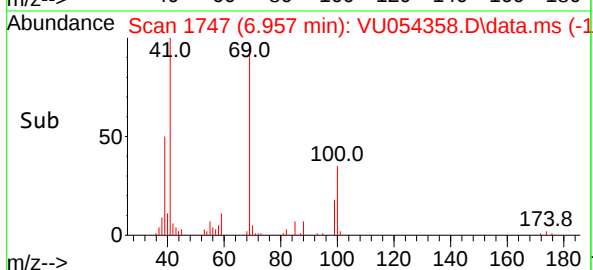
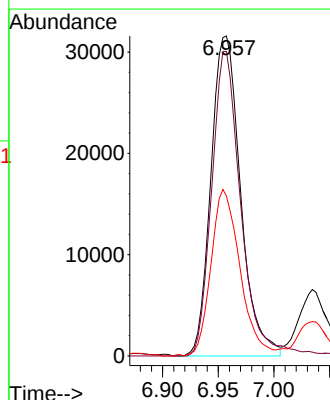
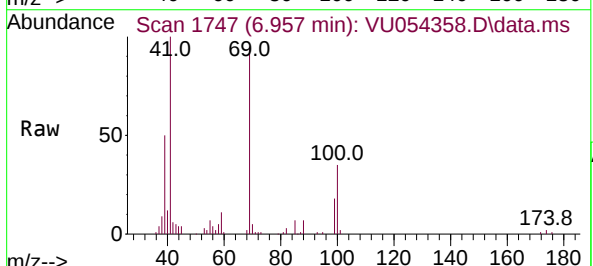
RT: 6.957 min Scan# 1747

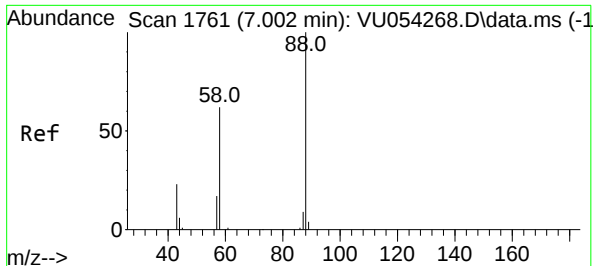
Delta R.T. 0.003 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Tgt Ion: 41	Resp: 58400
Ion Ratio	Lower Upper
41 100	
69 94.0	79.8 119.6
39 51.0	47.9 71.9





#49

1,4-Dioxane

Concen: 429.675 ug/l

RT: 6.989 min Scan# 1

Delta R.T. -0.013 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

VU0531WBSD02

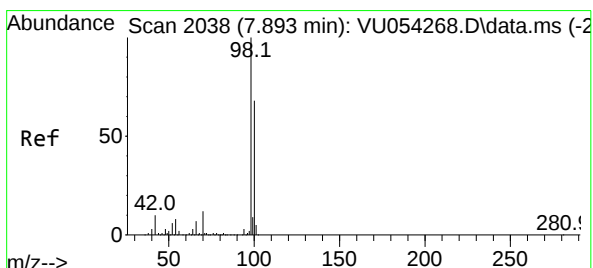
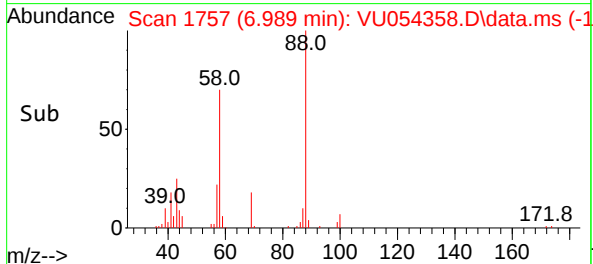
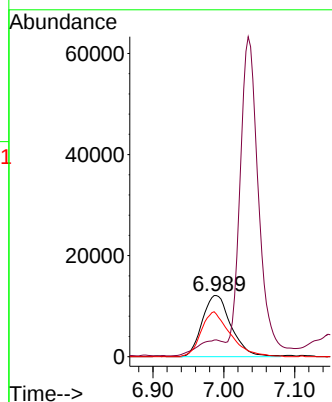
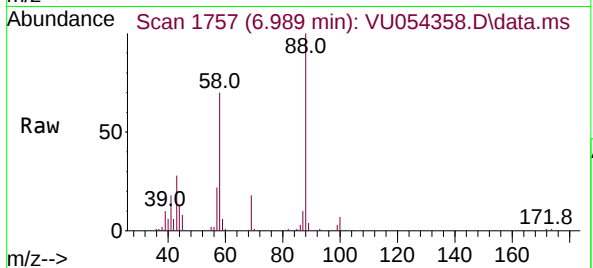
Tgt Ion: 88 Resp: 34295

Ion Ratio Lower Upper

88 100

43 24.2 0.0 0.0#

58 74.3 15.4 23.0#



#50

Toluene-d8

Concen: 50.750 ug/l

RT: 7.893 min Scan# 2038

Delta R.T. -0.000 min

Lab File: VU054358.D

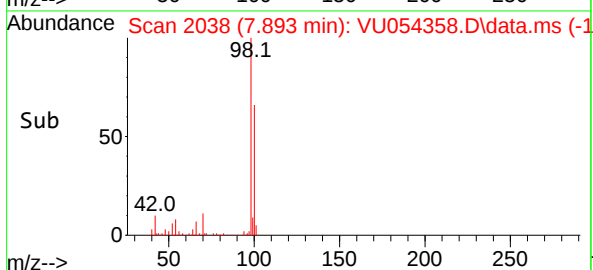
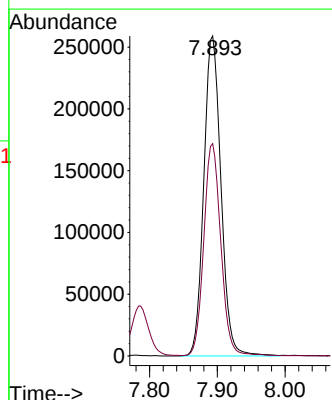
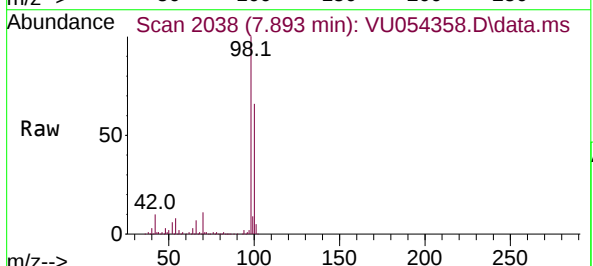
Acq: 31 May 2023 23:43

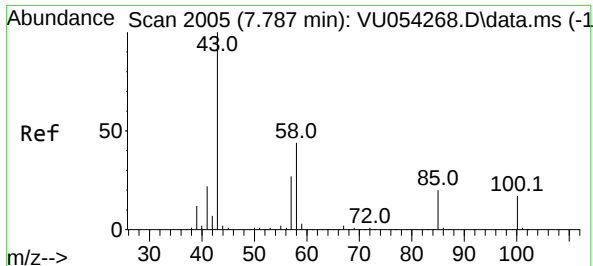
Tgt Ion: 98 Resp: 455796

Ion Ratio Lower Upper

98 100

100 65.7 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 105.063 ug/l

RT: 7.784 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

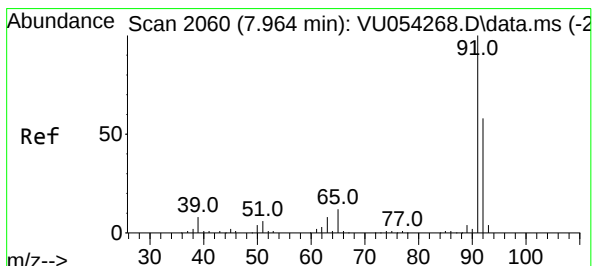
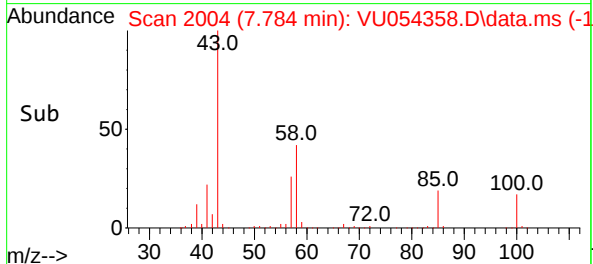
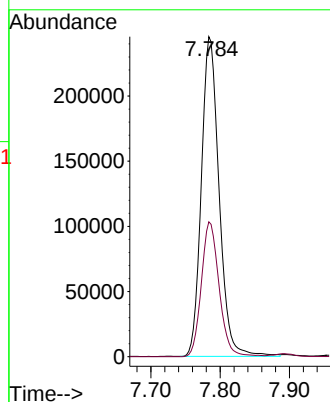
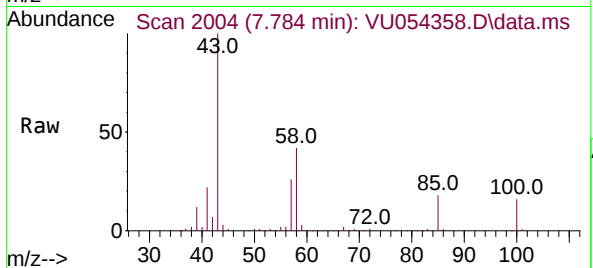
VU0531WBSD02

Tgt Ion: 43 Resp: 437103

Ion Ratio Lower Upper

43 100

58 42.2 34.7 52.1



#52

Toluene

Concen: 19.328 ug/l

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU054358.D

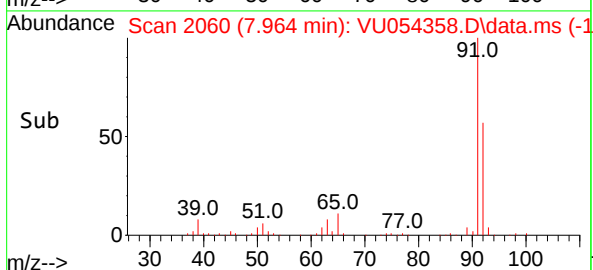
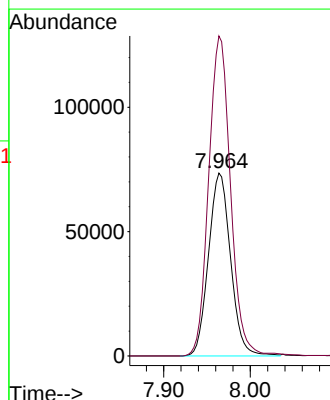
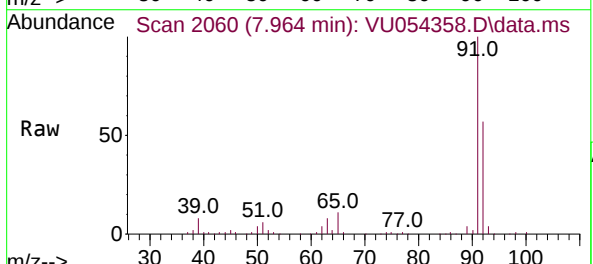
Acq: 31 May 2023 23:43

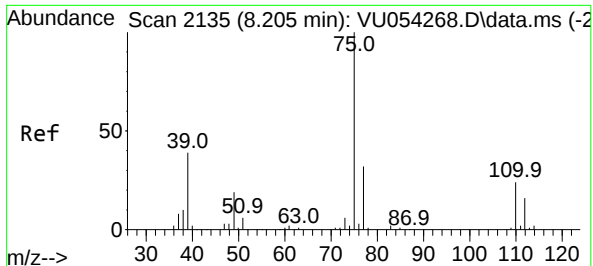
Tgt Ion: 92 Resp: 130372

Ion Ratio Lower Upper

92 100

91 171.9 138.2 207.4





#53

t-1,3-Dichloropropene

Concen: 18.575 ug/l

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

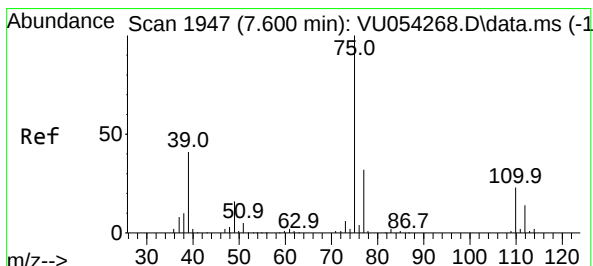
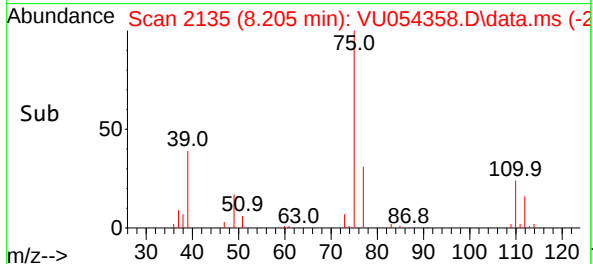
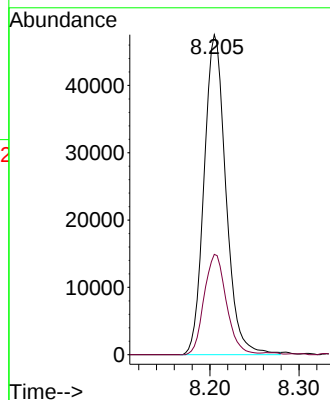
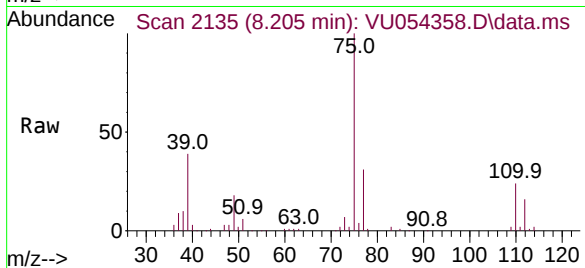
VU0531WBSD02

Tgt Ion: 75 Resp: 80730

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.255 ug/l

RT: 7.600 min Scan# 1947

Delta R.T. 0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

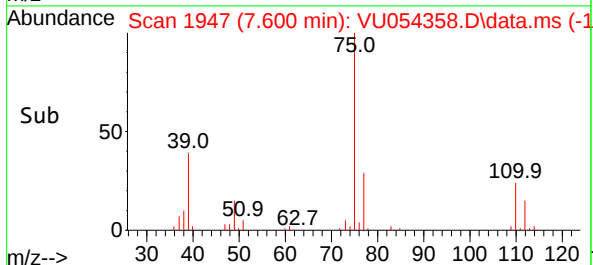
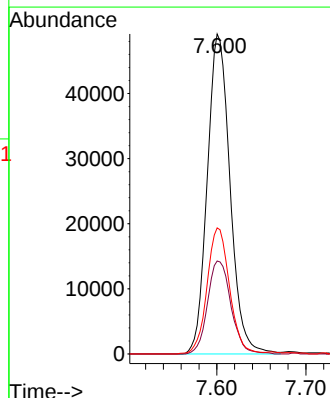
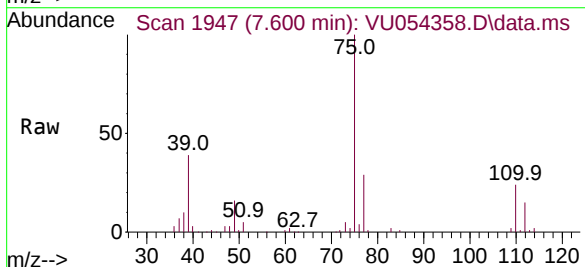
Tgt Ion: 75 Resp: 87335

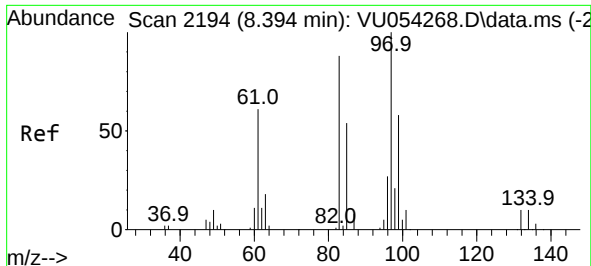
Ion Ratio Lower Upper

75 100

77 29.1 25.7 38.5

39 39.2 33.0 49.6

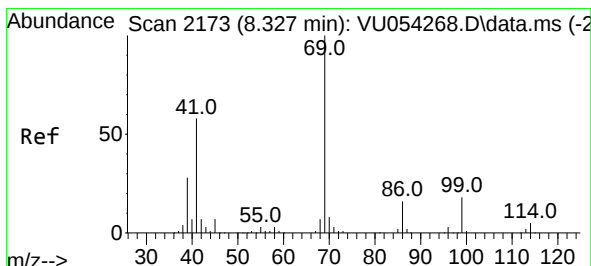
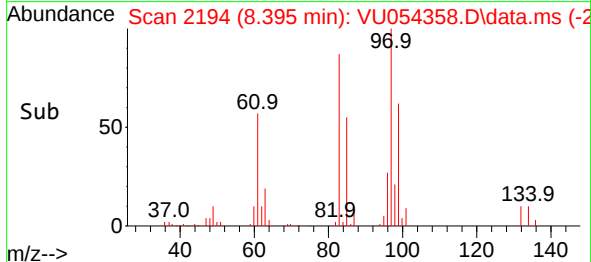
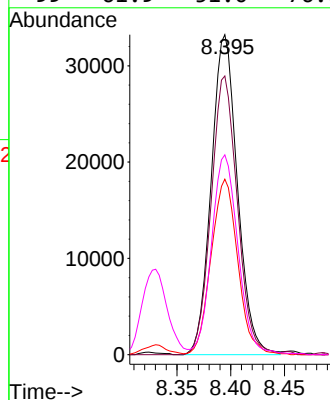
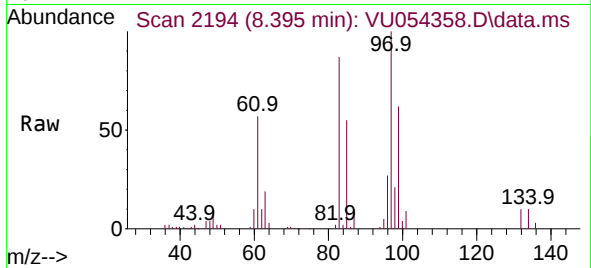




#55
1,1,2-Trichloroethane
Concen: 20.188 ug/l
RT: 8.395 min Scan# 2194
Delta R.T. 0.001 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

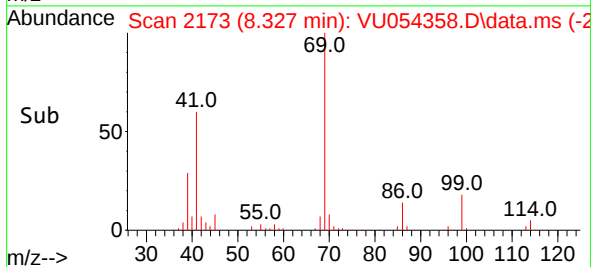
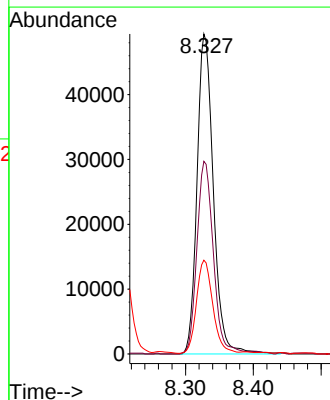
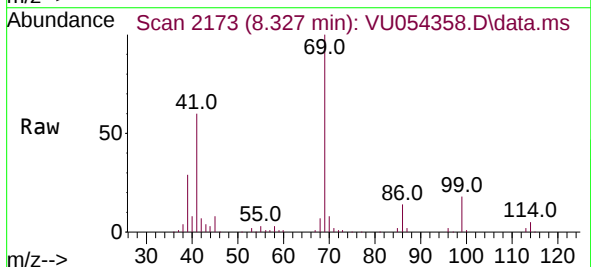
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBSD02

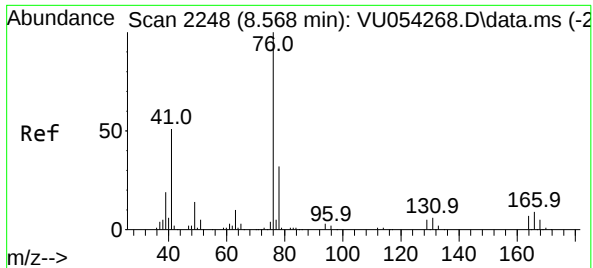
Tgt Ion:	97	Resp:	56433
Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.2	105.4
85	54.5	44.6	66.8
99	61.9	51.0	76.6



#56
Ethyl methacrylate
Concen: 19.800 ug/l
RT: 8.327 min Scan# 2173
Delta R.T. 0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion:	69	Resp:	82389
Ion	Ratio	Lower	Upper
69	100		
41	60.7	45.4	68.0
39	29.1	25.7	38.5

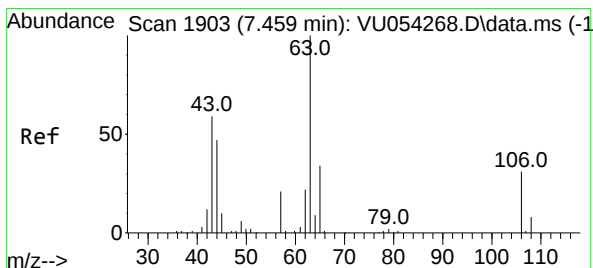
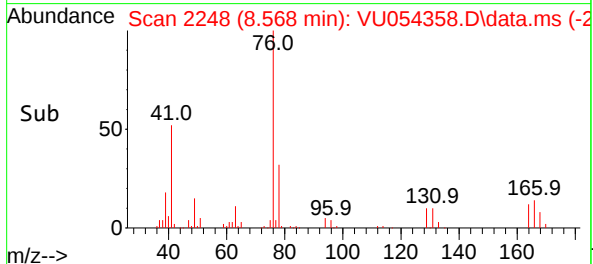
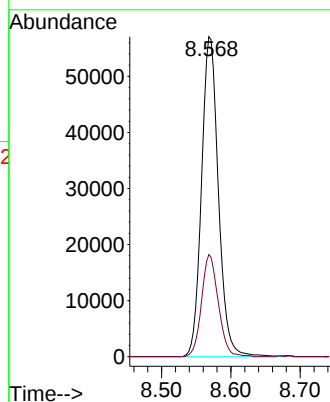
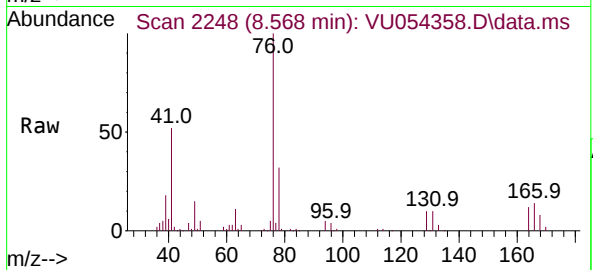




#57
1,3-Dichloropropane
Concen: 20.046 ug/l
RT: 8.568 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

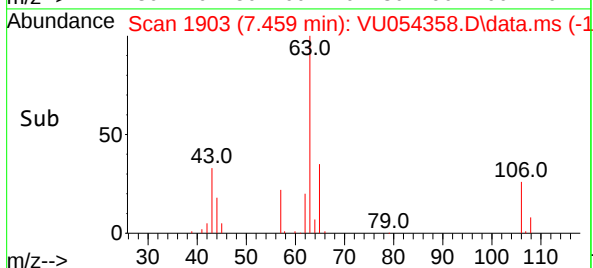
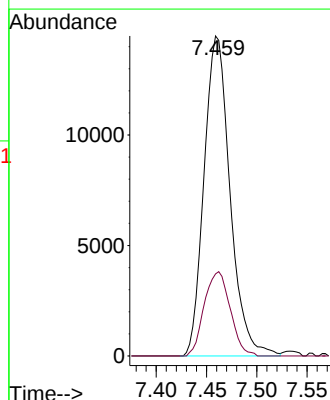
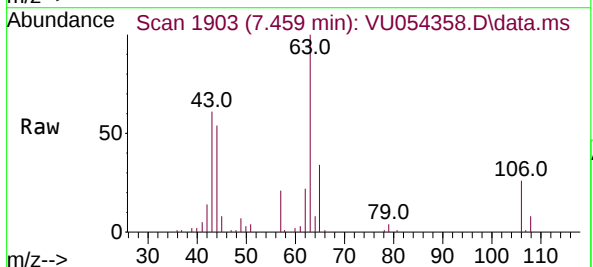
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBSD02

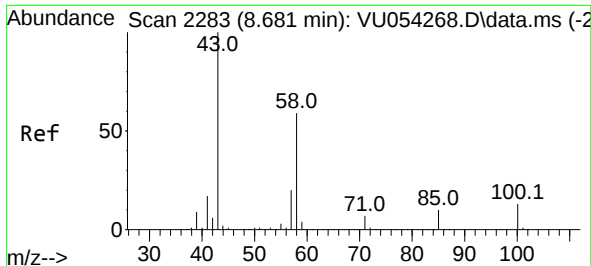
Tgt Ion: 76 Resp: 96500
Ion Ratio Lower Upper
76 100
78 31.6 26.1 39.1



#58
2-Chloroethyl Vinyl ether
Concen: 97.691 ug/l
RT: 7.459 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion: 63 Resp: 26062
Ion Ratio Lower Upper
63 100
106 26.3 23.1 34.7





#59

2-Hexanone

Concen: 103.549 ug/l

RT: 8.681 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

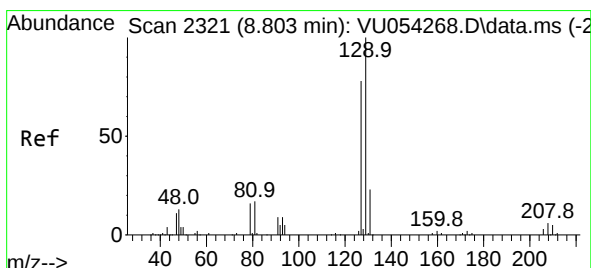
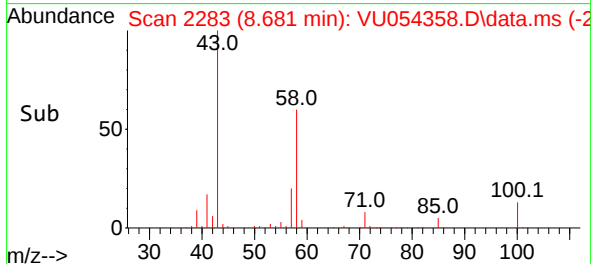
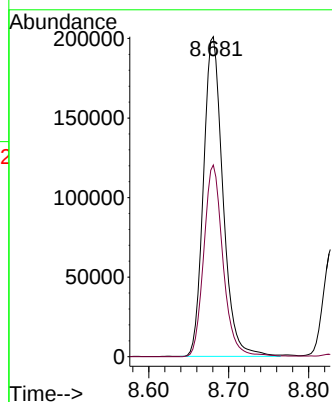
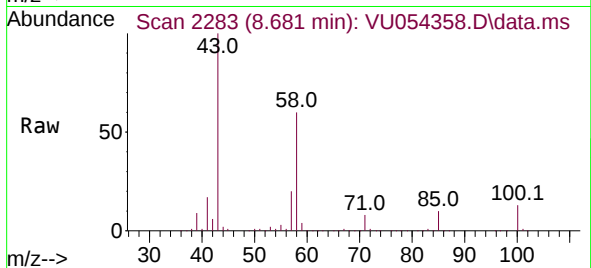
VU0531WBSD02

Tgt Ion: 43 Resp: 340317

Ion Ratio Lower Upper

43 100

58 59.4 30.3 90.8



#60

Dibromochloromethane

Concen: 19.692 ug/l

RT: 8.803 min Scan# 2321

Delta R.T. -0.000 min

Lab File: VU054358.D

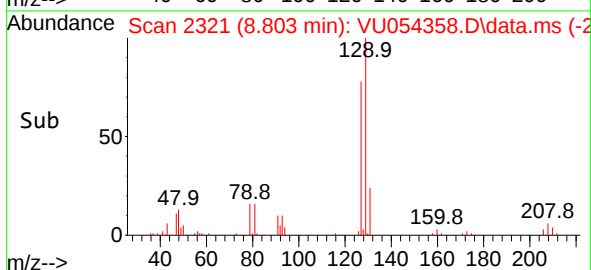
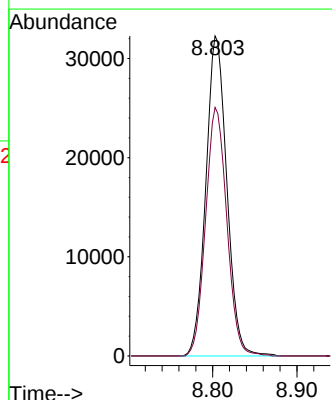
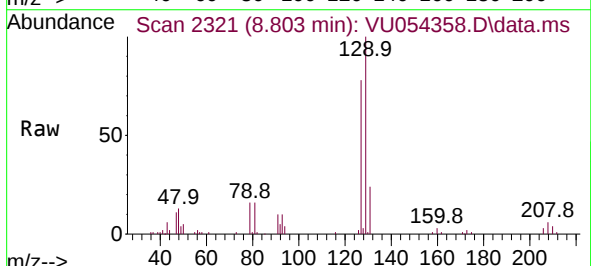
Acq: 31 May 2023 23:43

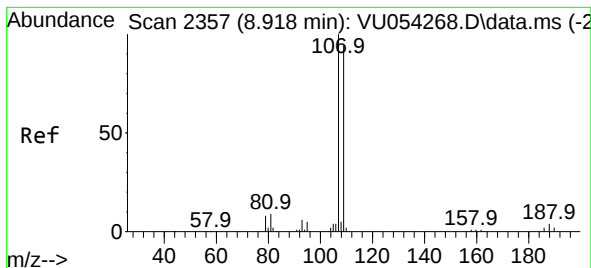
Tgt Ion: 129 Resp: 55927

Ion Ratio Lower Upper

129 100

127 78.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.928 ug/l

RT: 8.919 min Scan# 21

Delta R.T. 0.001 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

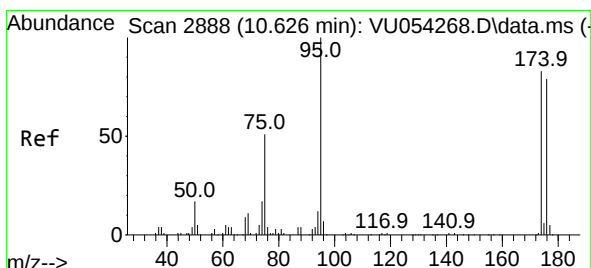
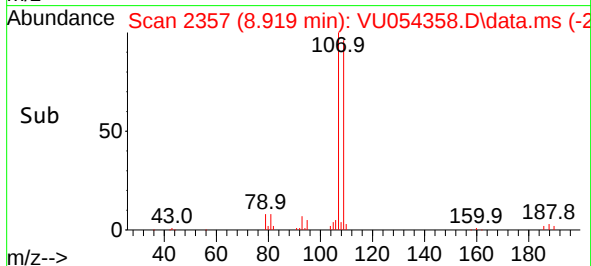
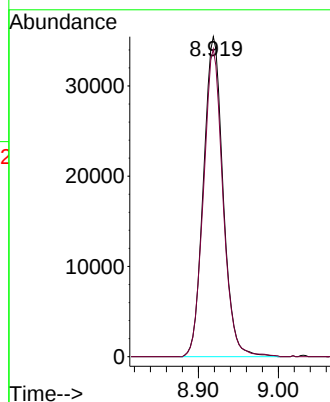
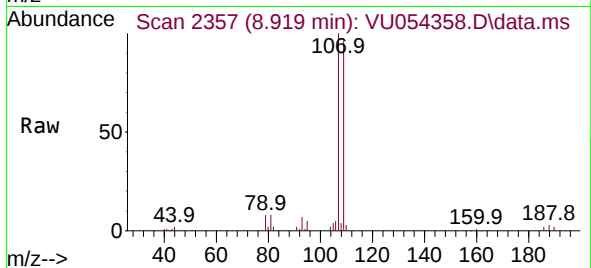
VU0531WBSD02

Tgt Ion:107 Resp: 60626

Ion Ratio Lower Upper

107 100

109 95.5 75.1 112.7



#62

4-Bromofluorobenzene

Concen: 48.249 ug/l

RT: 10.626 min Scan# 2888

Delta R.T. -0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

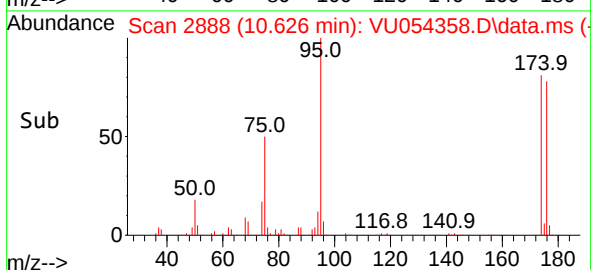
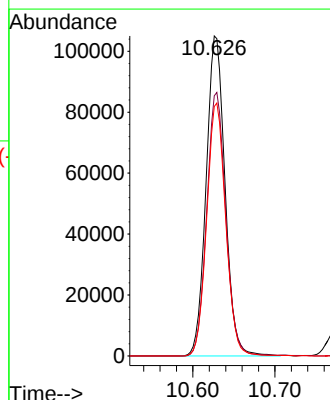
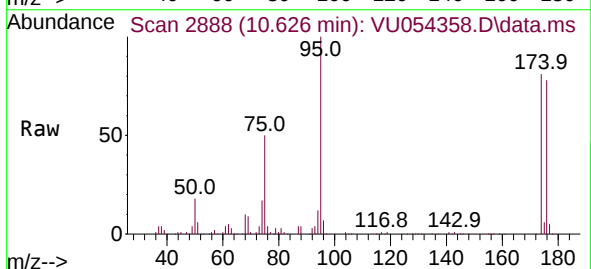
Tgt Ion: 95 Resp: 168021

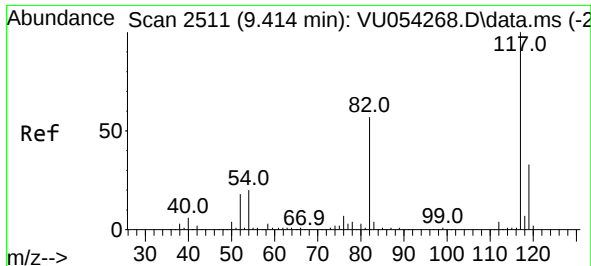
Ion Ratio Lower Upper

95 100

174 83.1 0.0 182.0

176 79.4 0.0 177.8

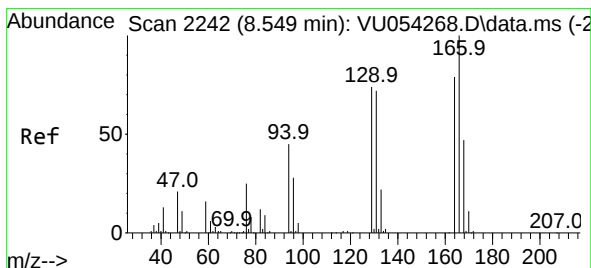
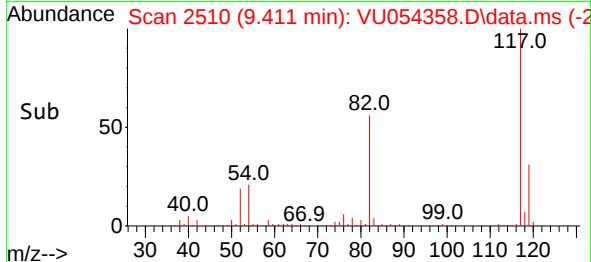
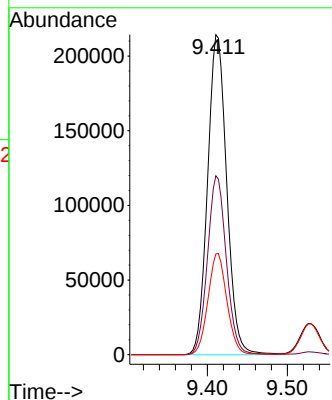
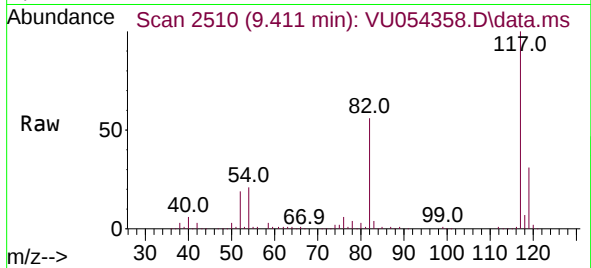




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.411 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

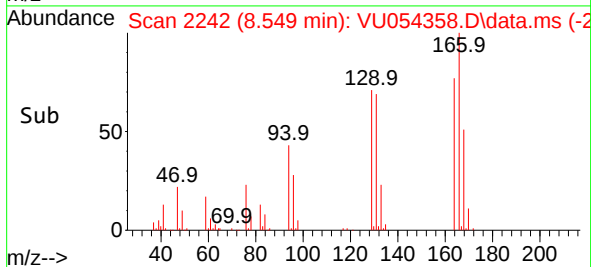
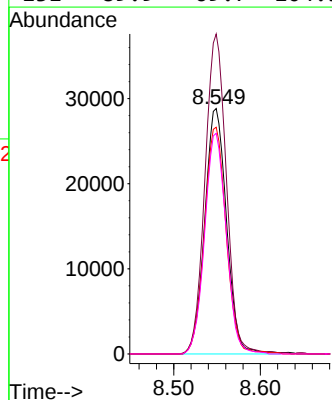
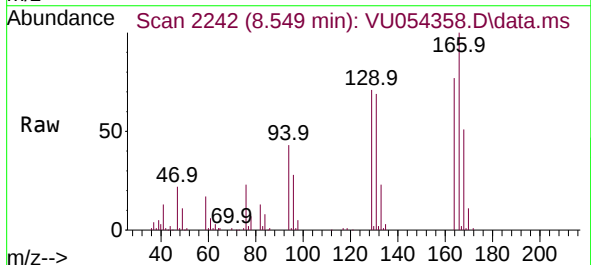
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBSD02

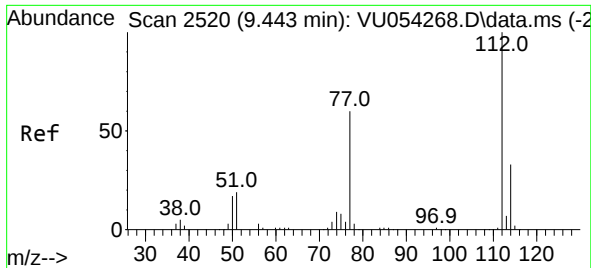
Tgt Ion:117 Resp: 356685
Ion Ratio Lower Upper
117 100
82 55.9 41.7 62.5
119 31.5 25.7 38.5



#64
Tetrachloroethene
Concen: 18.870 ug/l
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion:164 Resp: 50656
Ion Ratio Lower Upper
164 100
166 130.3 100.0 150.0
129 92.4 72.0 108.0
131 89.9 69.7 104.5

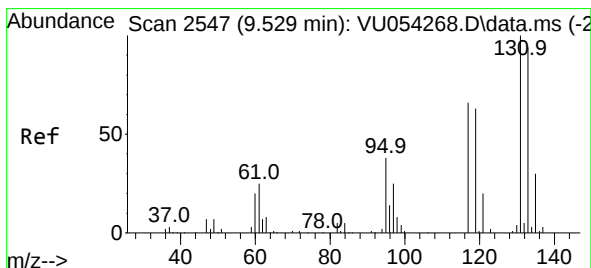
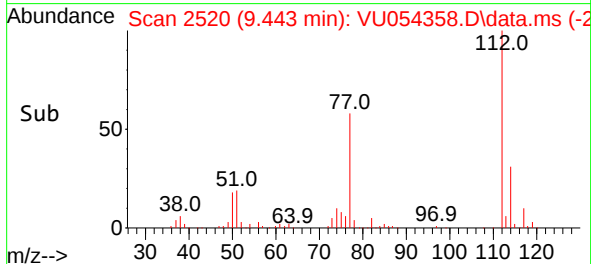
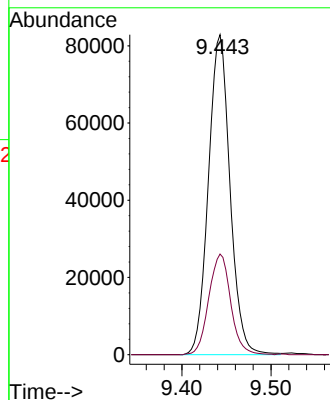
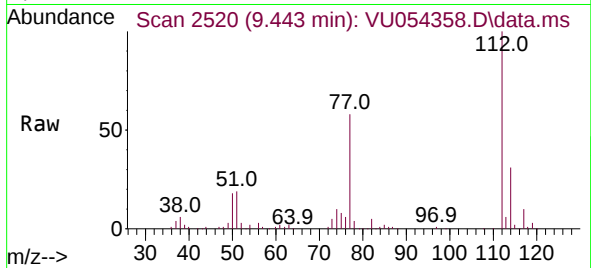




#65
Chlorobenzene
Concen: 18.683 ug/l
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

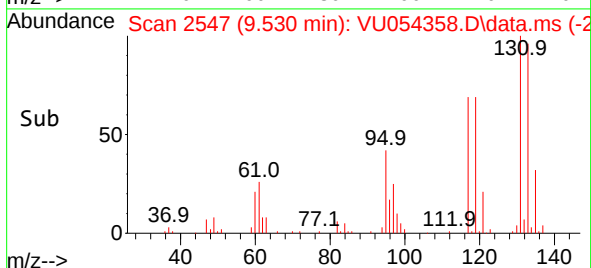
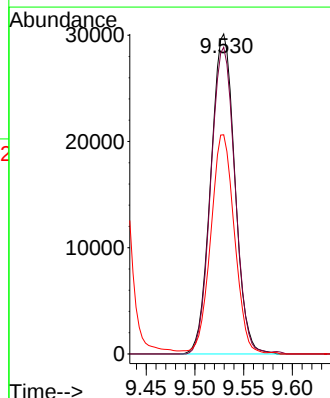
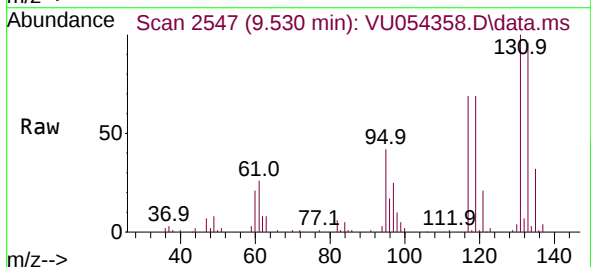
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBSD02

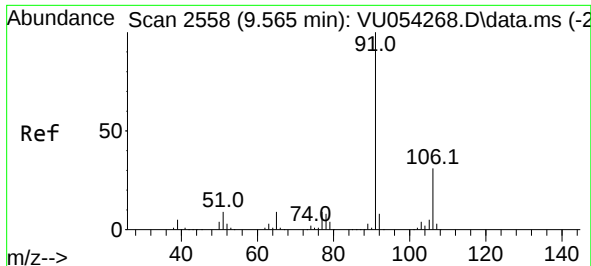
Tgt Ion:112 Resp: 139310
Ion Ratio Lower Upper
112 100
114 31.4 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.114 ug/l
RT: 9.530 min Scan# 2547
Delta R.T. 0.001 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion:131 Resp: 51705
Ion Ratio Lower Upper
131 100
133 96.3 48.4 145.0
119 66.6 33.9 101.6





#67

Ethyl Benzene

Concen: 18.792 ug/l

RT: 9.565 min Scan# 2558

Delta R.T. -0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

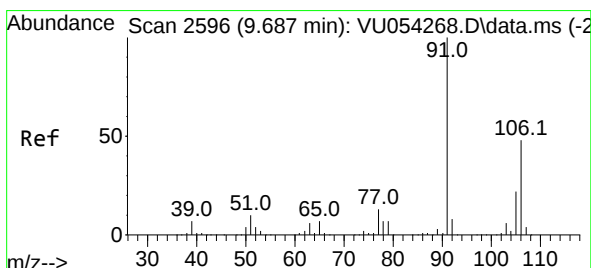
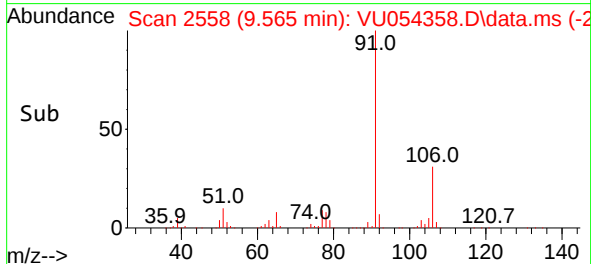
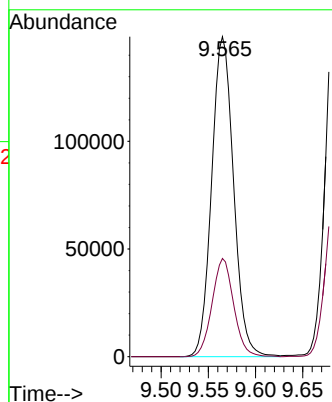
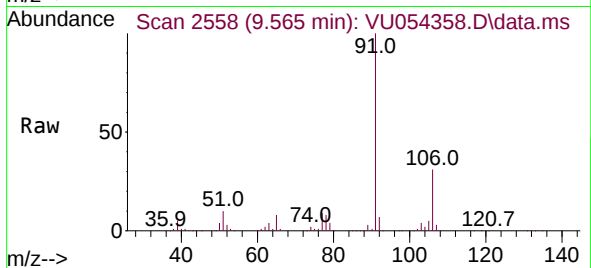
VU0531WBSD02

Tgt Ion: 91 Resp: 239566

Ion Ratio Lower Upper

91 100

106 30.7 25.6 38.4



#68

m/p-Xylenes

Concen: 38.208 ug/l

RT: 9.690 min Scan# 2597

Delta R.T. 0.003 min

Lab File: VU054358.D

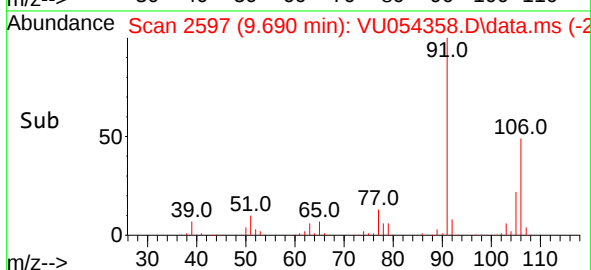
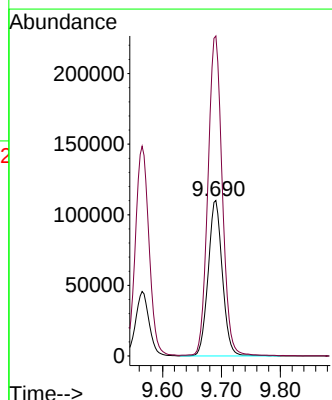
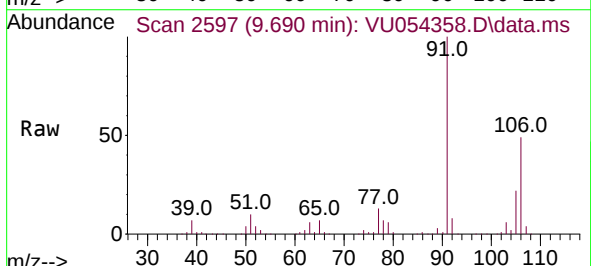
Acq: 31 May 2023 23:43

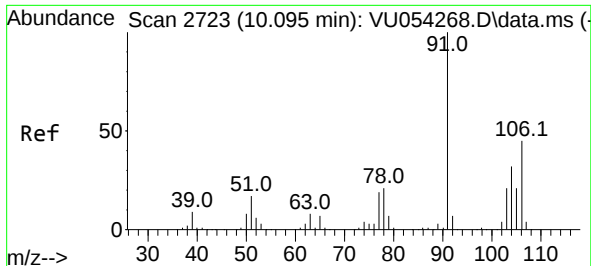
Tgt Ion: 106 Resp: 184629

Ion Ratio Lower Upper

106 100

91 206.2 157.2 235.8

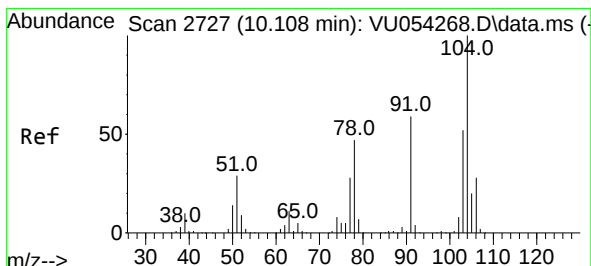
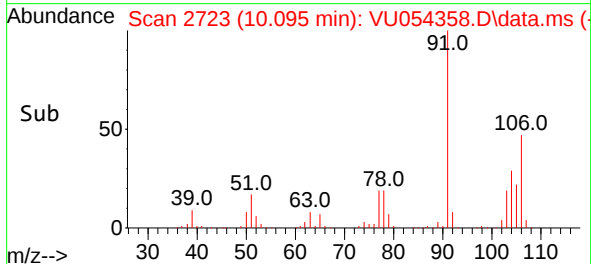
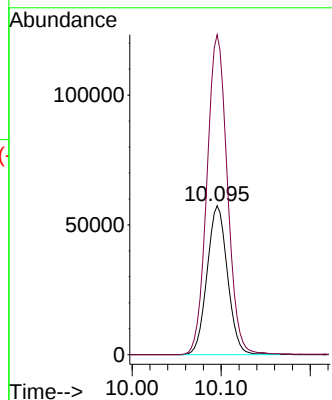
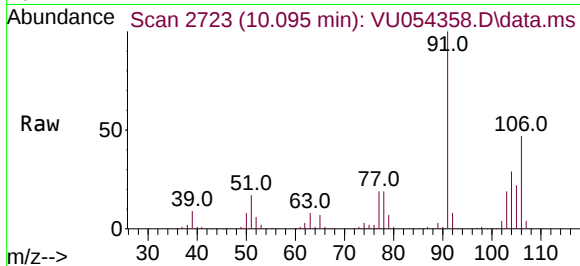




#69
o-Xylene
Concen: 19.518 ug/l
RT: 10.095 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

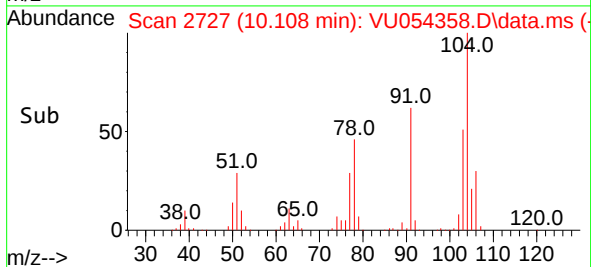
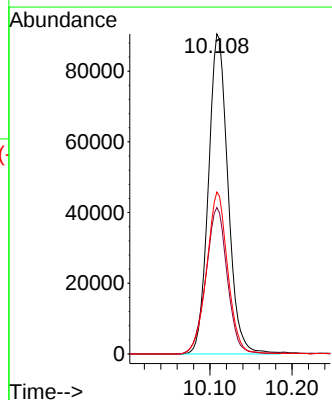
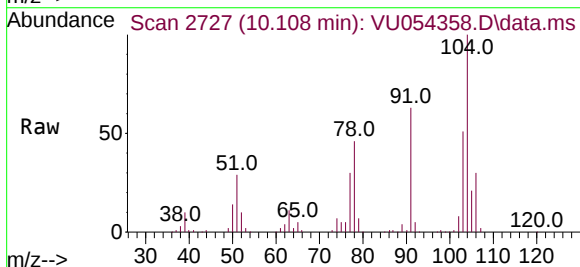
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBSD02

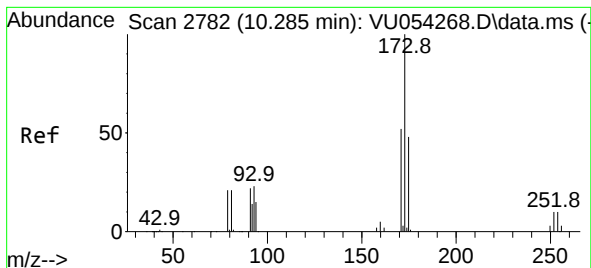
Tgt Ion:106 Resp: 91299
Ion Ratio Lower Upper
106 100
91 214.9 103.5 310.5



#70
Styrene
Concen: 19.398 ug/l
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion:104 Resp: 150480
Ion Ratio Lower Upper
104 100
78 50.0 38.0 57.0
103 54.4 43.9 65.9





#71

Bromoform

Concen: 19.011 ug/l

RT: 10.285 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

VU0531WBSD02

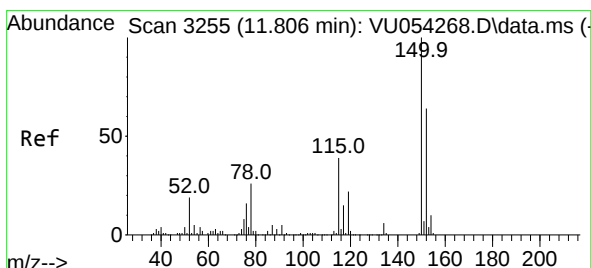
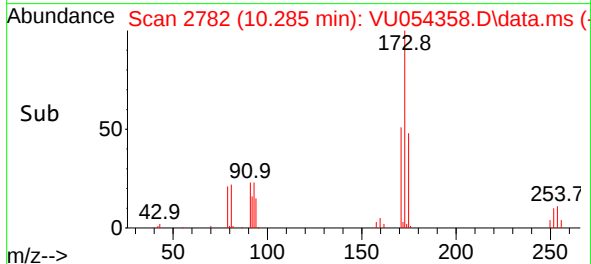
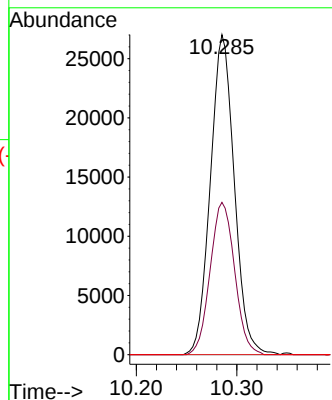
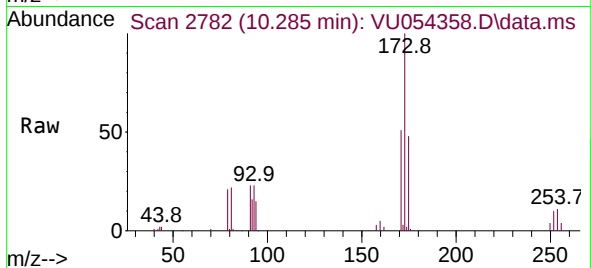
Tgt Ion:173 Resp: 44689

Ion Ratio Lower Upper

173 100

175 48.7 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: VU054358.D

Acq: 31 May 2023 23:43

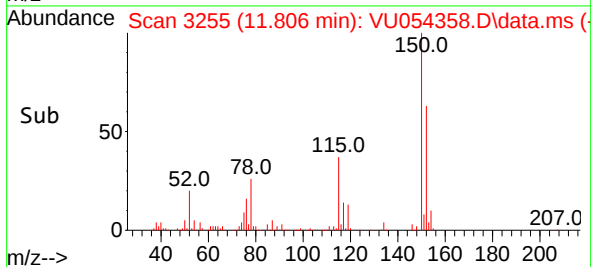
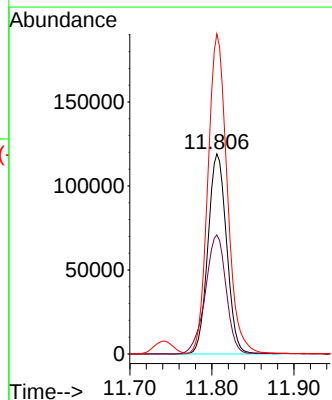
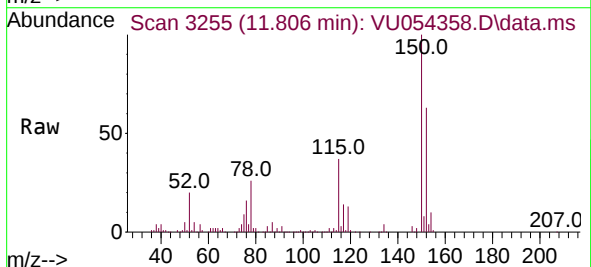
Tgt Ion:152 Resp: 188836

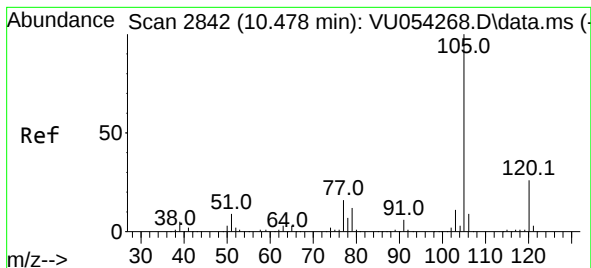
Ion Ratio Lower Upper

152 100

115 66.1 37.0 110.9

150 165.3 0.0 342.2





#73

Isopropylbenzene

Concen: 20.069 ug/l

RT: 10.478 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

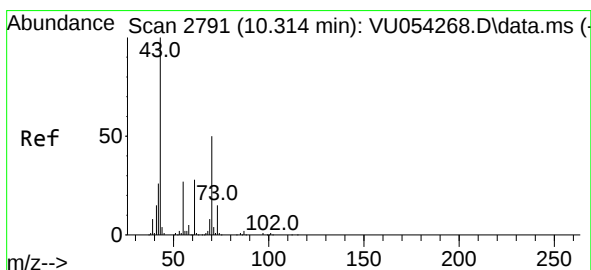
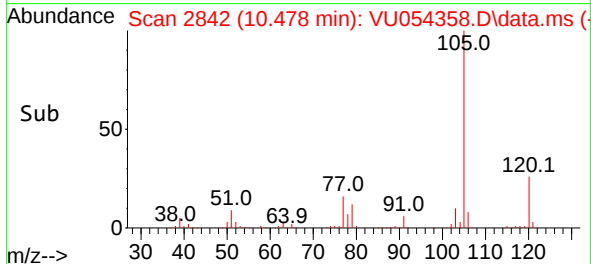
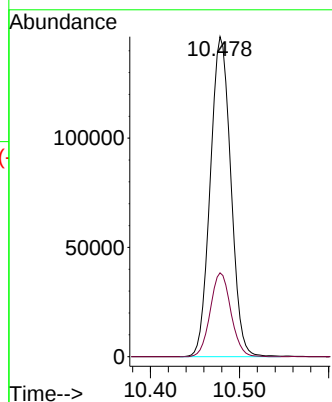
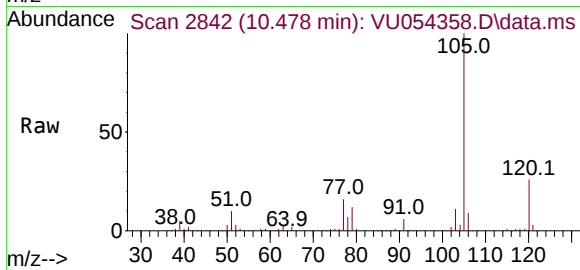
VU0531WBSD02

Tgt Ion:105 Resp: 234704

Ion Ratio Lower Upper

105 100

120 26.2 13.8 41.4



#74

N-ethyl acetate

Concen: 20.820 ug/l

RT: 10.314 min Scan# 2791

Delta R.T. 0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Tgt Ion: 43 Resp: 103387

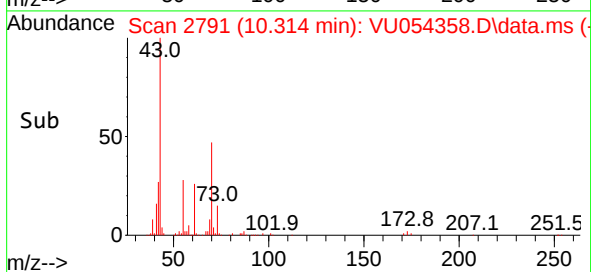
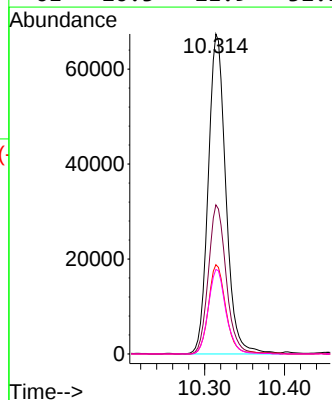
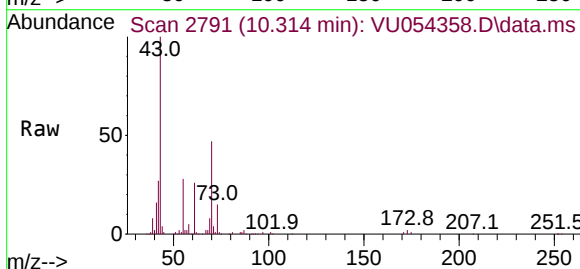
Ion Ratio Lower Upper

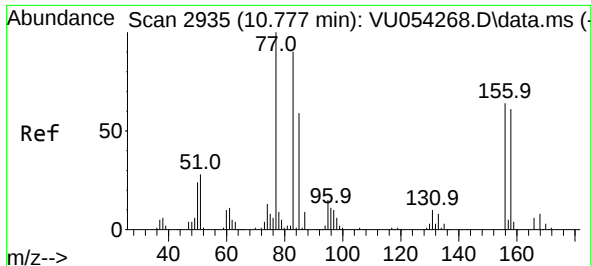
43 100

70 47.0 38.7 58.1

55 27.5 21.8 32.8

61 26.3 21.9 32.9

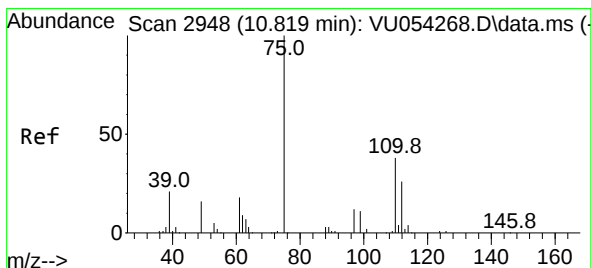
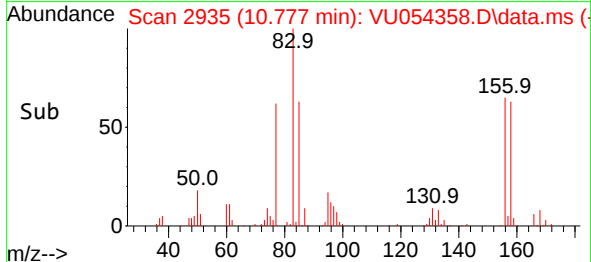
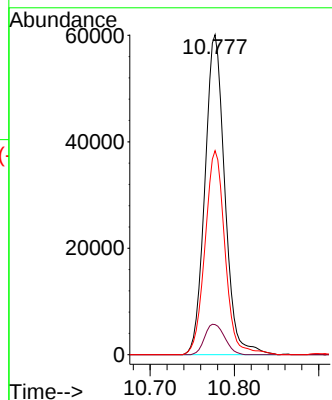
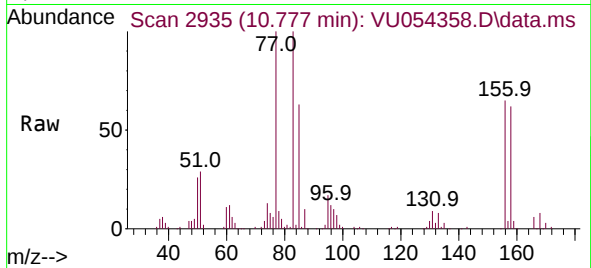




#75
1,1,2,2-Tetrachloroethane
Concen: 20.872 ug/l
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

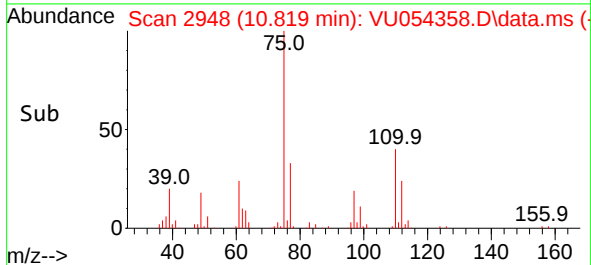
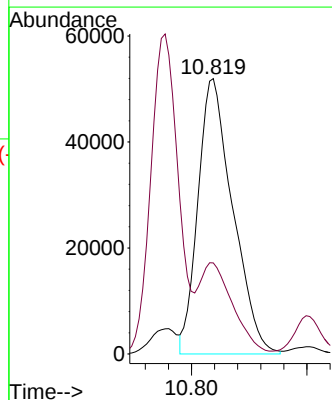
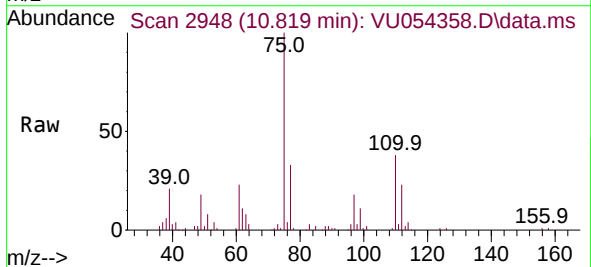
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBSD02

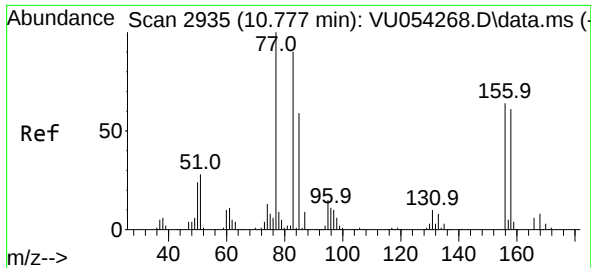
Tgt Ion: 83 Resp: 98768
Ion Ratio Lower Upper
83 100
131 9.6 5.1 15.4
85 64.3 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 19.728 ug/l
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion: 75 Resp: 108727
Ion Ratio Lower Upper
75 100
77 31.4 15.8 47.3

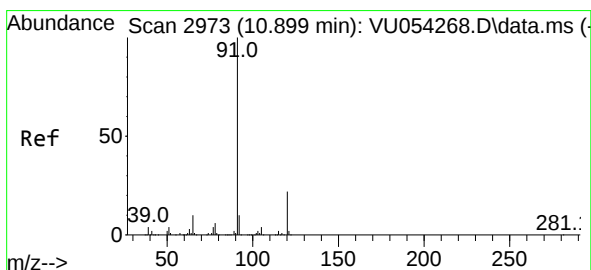
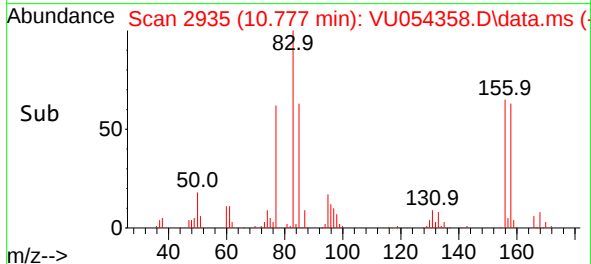
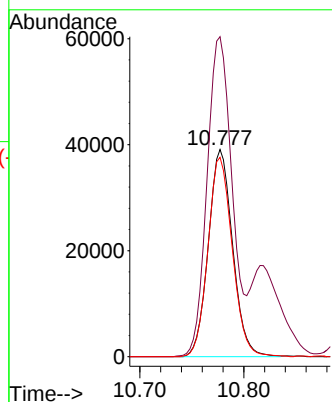
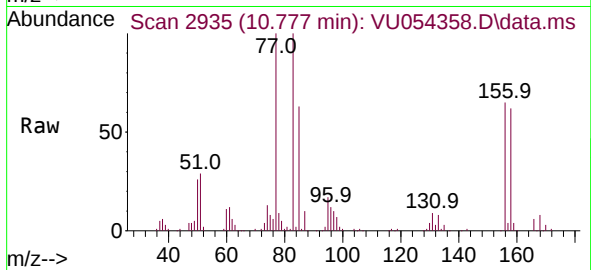




#77
Bromobenzene
Concen: 19.751 ug/l
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

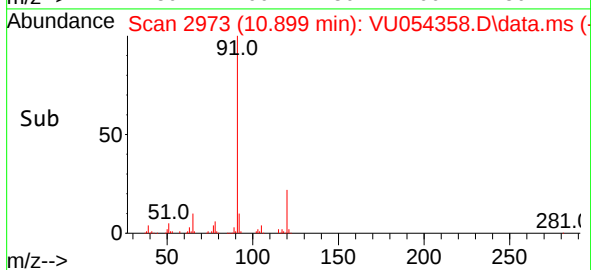
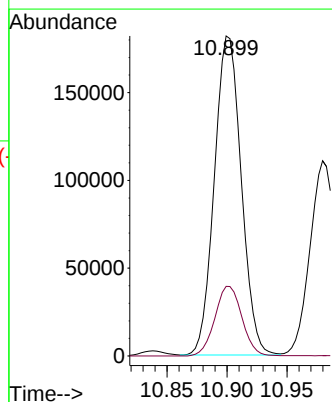
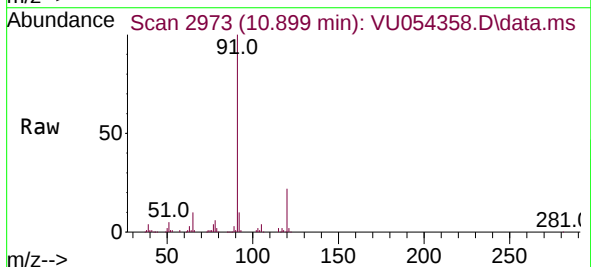
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBSD02

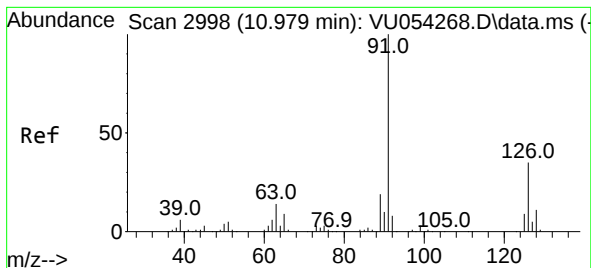
Tgt Ion:156 Resp: 63429
Ion Ratio Lower Upper
156 100
77 160.4 71.9 215.6
158 96.9 48.9 146.8



#78
n-propylbenzene
Concen: 19.756 ug/l
RT: 10.899 min Scan# 2973
Delta R.T. 0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion: 91 Resp: 283022
Ion Ratio Lower Upper
91 100
120 22.0 11.9 35.5





#79

2-Chlorotoluene

Concen: 20.081 ug/l

RT: 10.980 min Scan# 2998

Delta R.T. 0.001 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

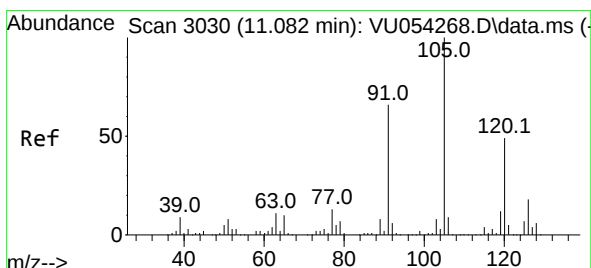
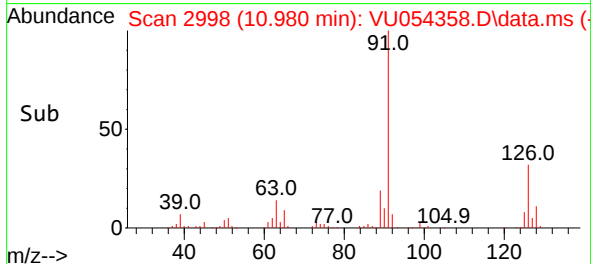
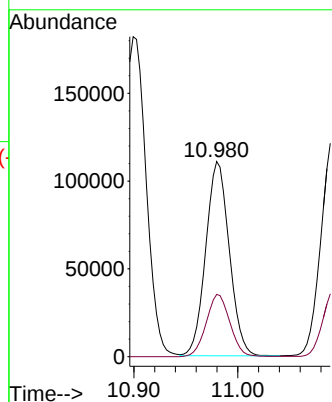
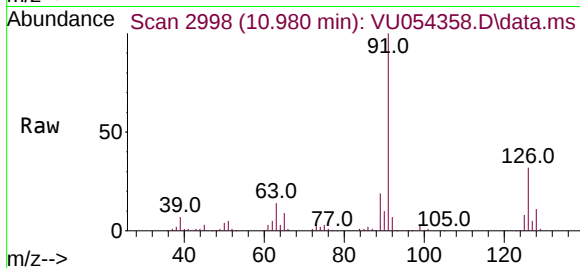
VU0531WBSD02

Tgt Ion: 91 Resp: 174170

Ion Ratio Lower Upper

91 100

126 32.3 18.4 55.0



#80

1,3,5-Trimethylbenzene

Concen: 19.736 ug/l

RT: 11.083 min Scan# 3030

Delta R.T. 0.001 min

Lab File: VU054358.D

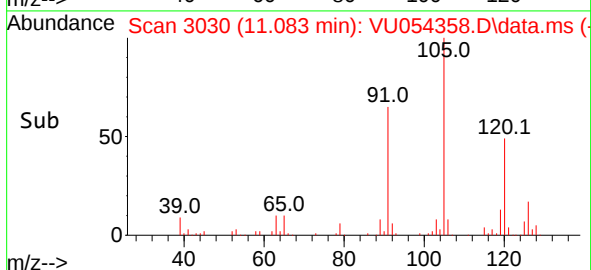
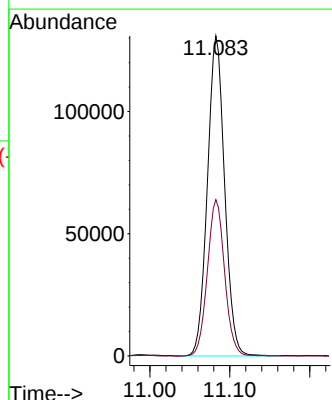
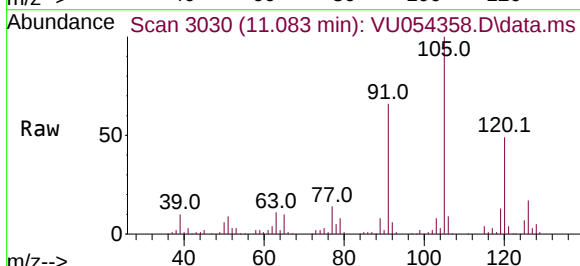
Acq: 31 May 2023 23:43

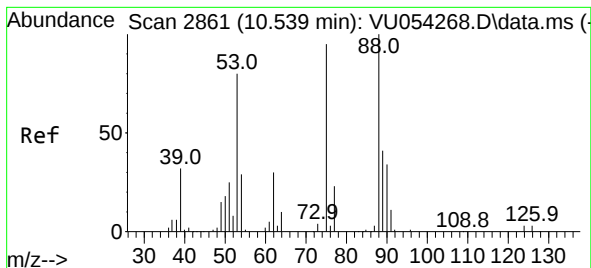
Tgt Ion:105 Resp: 196286

Ion Ratio Lower Upper

105 100

120 48.9 25.3 75.9

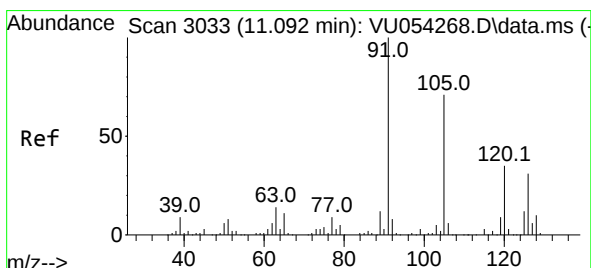
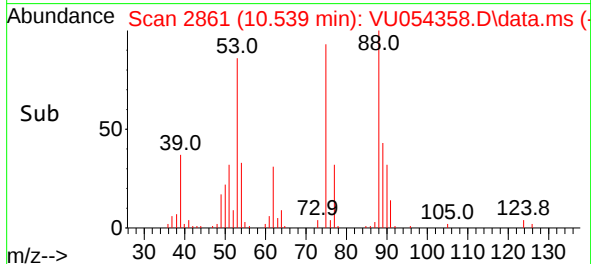
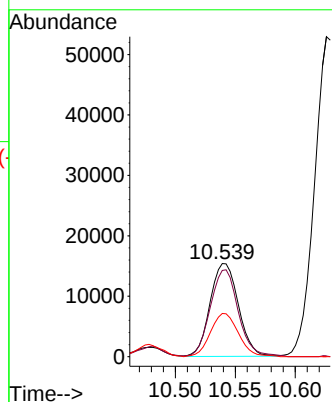
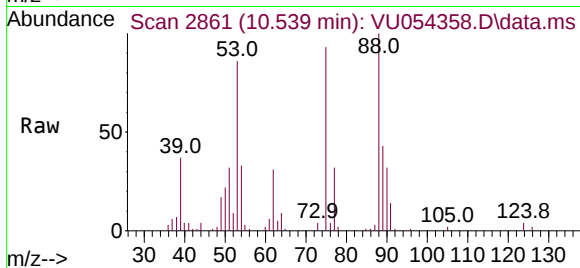




#81
trans-1,4-Dichloro-2-butene
Concen: 17.407 ug/l
RT: 10.539 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

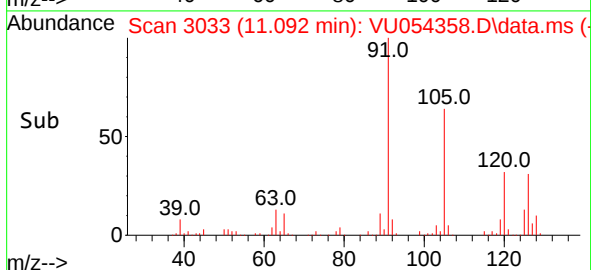
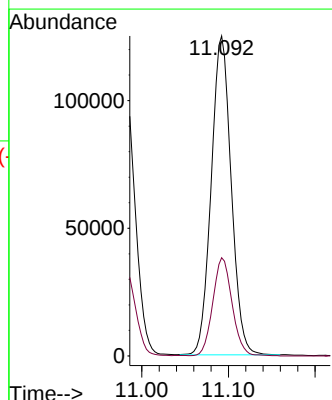
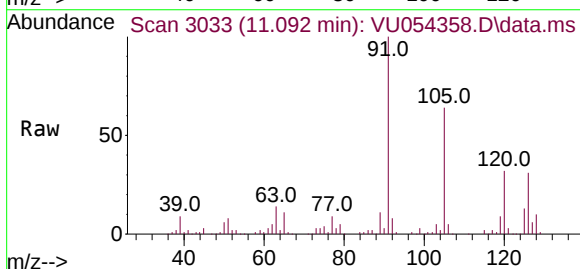
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBSD02

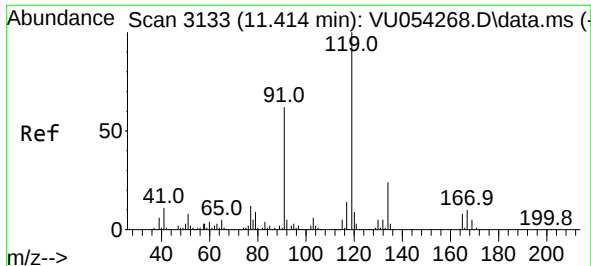
Tgt Ion: 75 Resp: 25193
Ion Ratio Lower Upper
75 100
53 93.0 69.2 103.8
89 46.1 37.0 55.6



#82
4-Chlorotoluene
Concen: 19.682 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion: 91 Resp: 200297
Ion Ratio Lower Upper
91 100
126 29.8 16.1 48.2

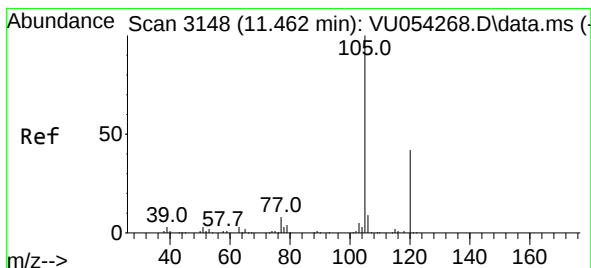
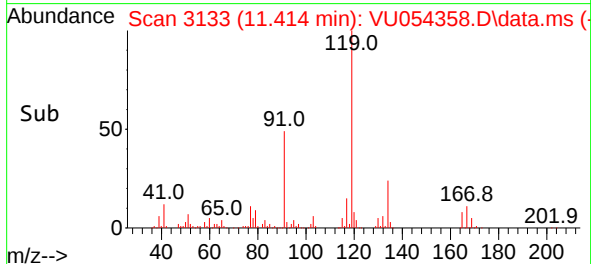
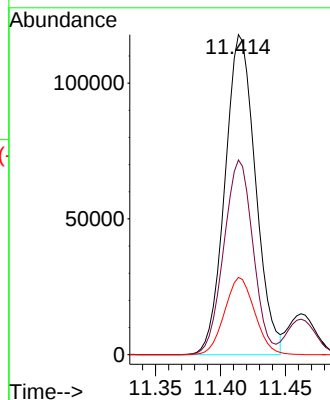
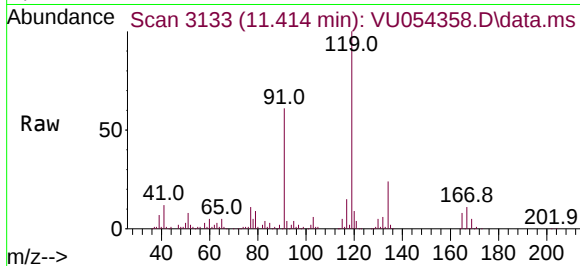




#83
tert-Butylbenzene
Concen: 19.399 ug/l
RT: 11.414 min Scan# 3133
Delta R.T. -0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

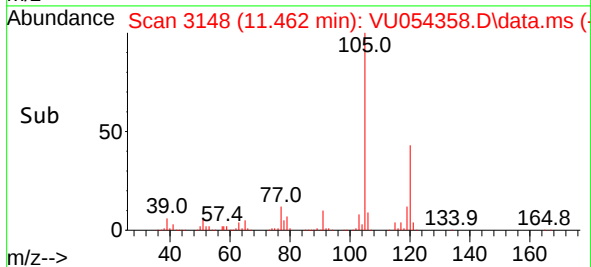
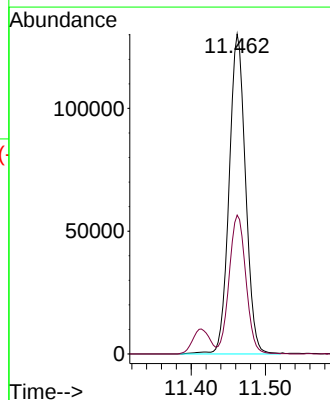
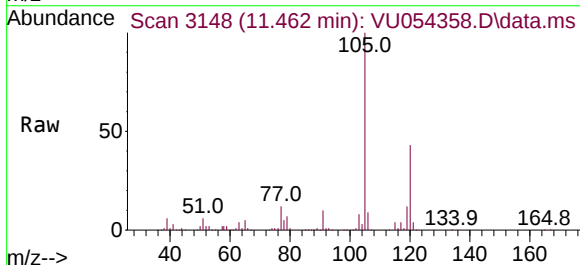
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBSD02

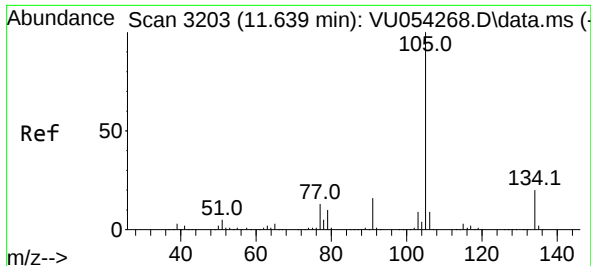
Tgt Ion:119 Resp: 192924
Ion Ratio Lower Upper
119 100
91 58.4 26.8 80.3
134 23.8 11.5 34.5



#84
1,2,4-Trimethylbenzene
Concen: 20.198 ug/l
RT: 11.462 min Scan# 3148
Delta R.T. -0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion:105 Resp: 199852
Ion Ratio Lower Upper
105 100
120 44.5 23.4 70.3

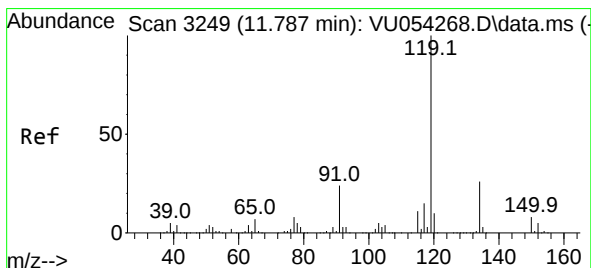
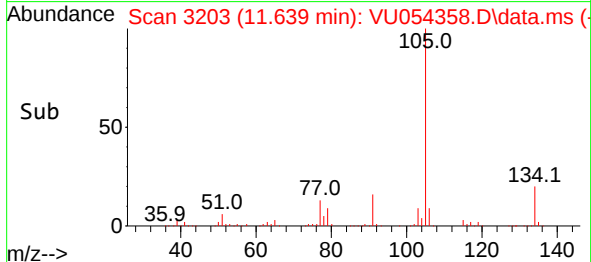
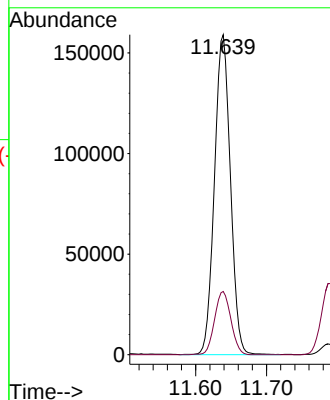
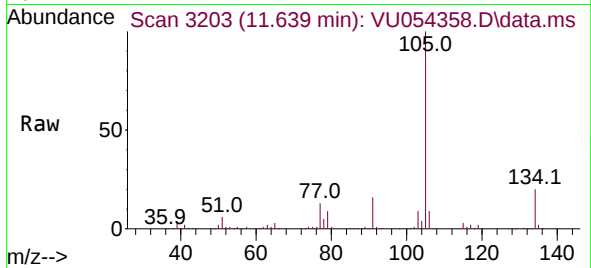




#85
 sec-Butylbenzene
 Concen: 19.711 ug/l
 RT: 11.639 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054358.D
 Acq: 31 May 2023 23:43

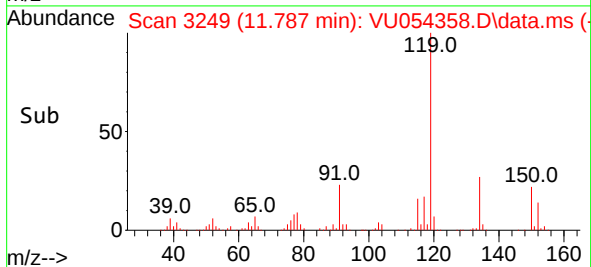
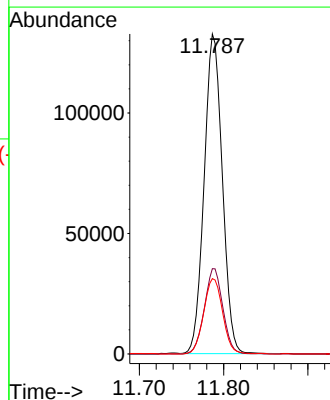
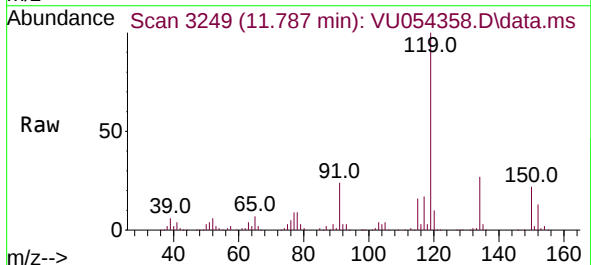
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0531WBSD02

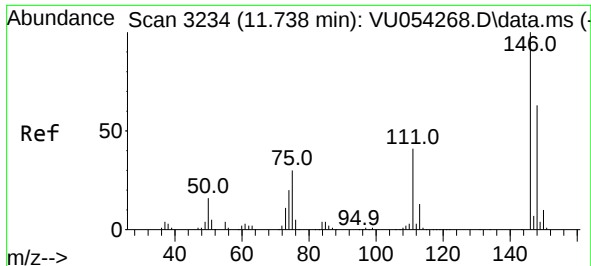
Tgt Ion:105 Resp: 248744
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 18.765 ug/l
 RT: 11.787 min Scan# 3249
 Delta R.T. -0.000 min
 Lab File: VU054358.D
 Acq: 31 May 2023 23:43

Tgt Ion:119 Resp: 199176
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.5 40.4
 91 24.5 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.138 ug/l

RT: 11.742 min Scan# 31

Delta R.T. 0.004 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

VU0531WBSD02

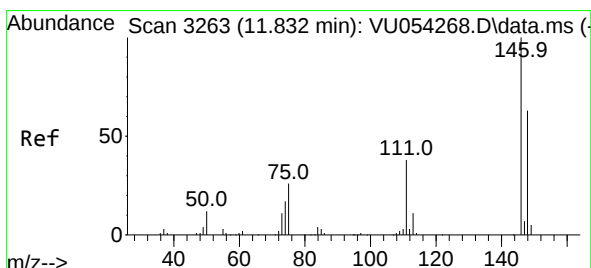
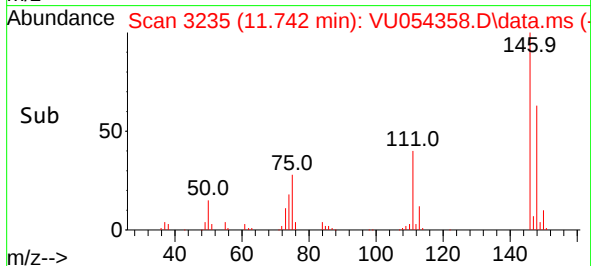
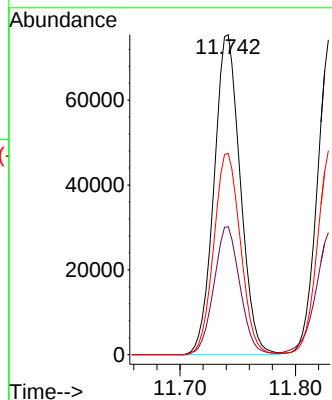
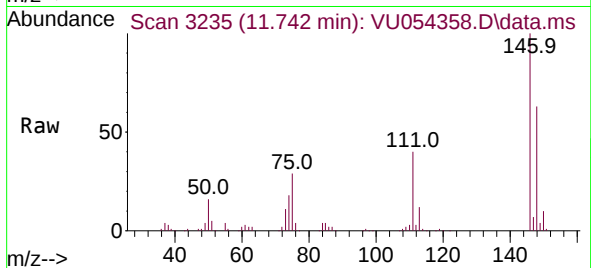
Tgt Ion:146 Resp: 119003

Ion Ratio Lower Upper

146 100

111 39.8 18.9 56.5

148 63.9 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 18.682 ug/l

RT: 11.832 min Scan# 3263

Delta R.T. -0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

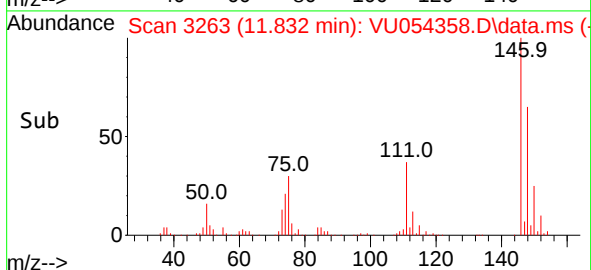
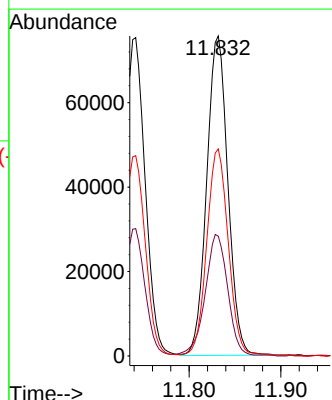
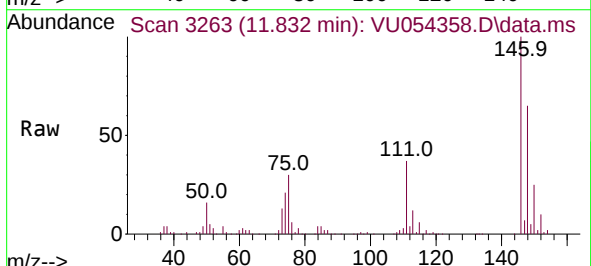
Tgt Ion:146 Resp: 121361

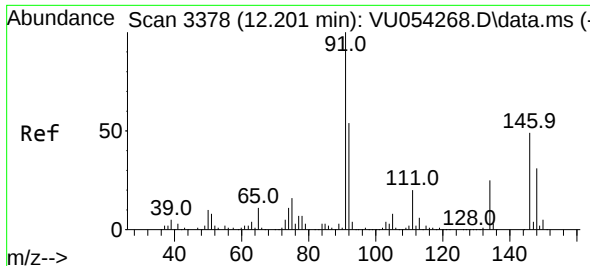
Ion Ratio Lower Upper

146 100

111 40.0 18.5 55.5

148 66.4 31.9 95.7

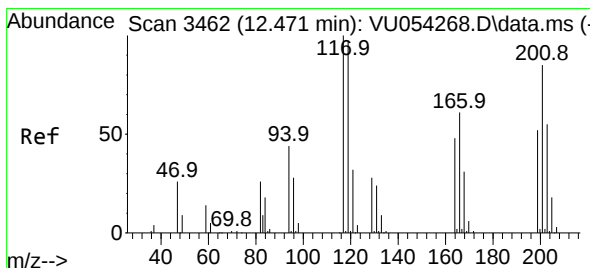
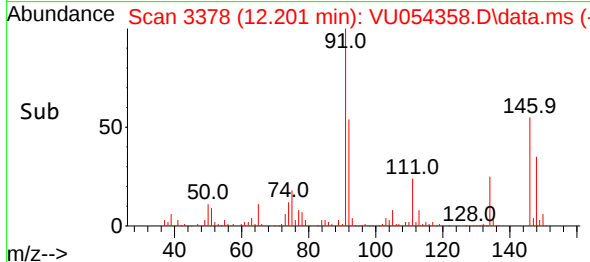
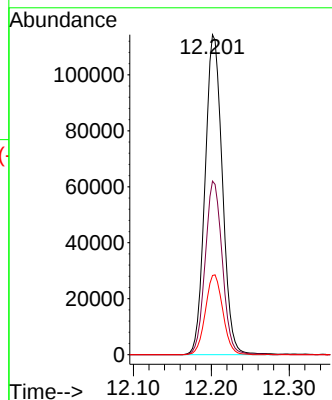
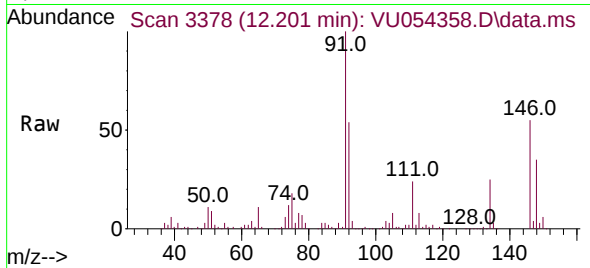




#89
n-Butylbenzene
Concen: 17.671 ug/l
RT: 12.201 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

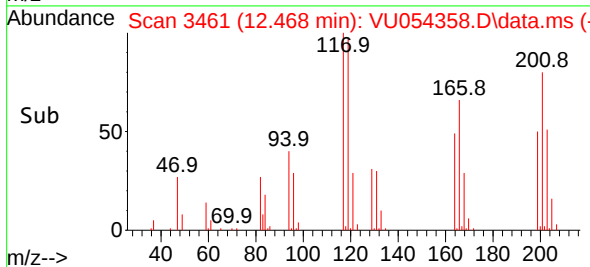
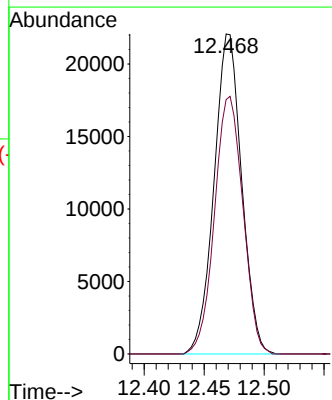
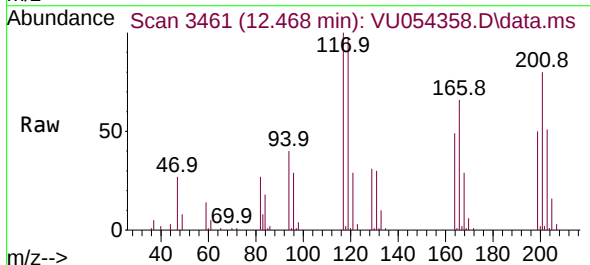
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBSD02

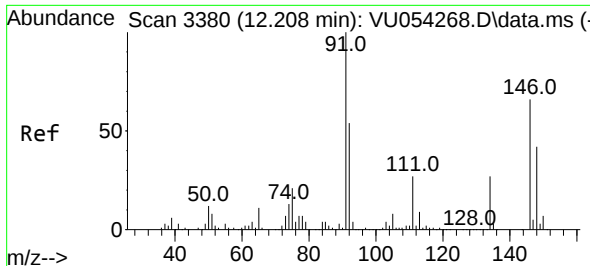
Tgt Ion: 91 Resp: 176549
Ion Ratio Lower Upper
91 100
92 53.4 26.2 78.6
134 25.1 13.5 40.4



#90
Hexachloroethane
Concen: 18.812 ug/l
RT: 12.468 min Scan# 3461
Delta R.T. -0.003 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion: 117 Resp: 35324
Ion Ratio Lower Upper
117 100
201 82.7 44.6 134.0





#91

1,2-Dichlorobenzene

Concen: 19.453 ug/l

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

VU0531WBSD02

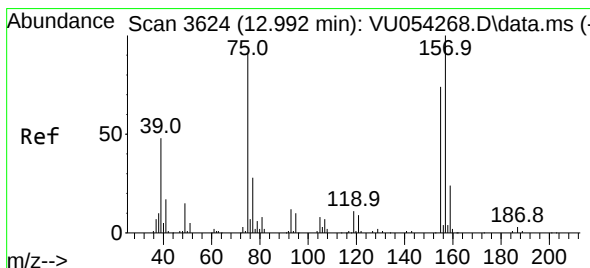
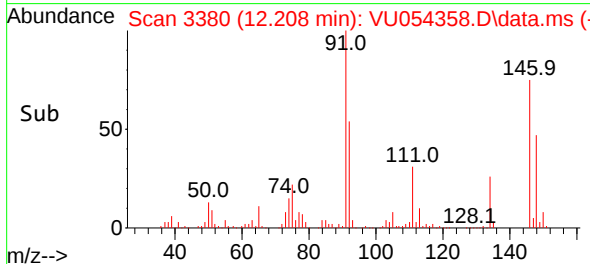
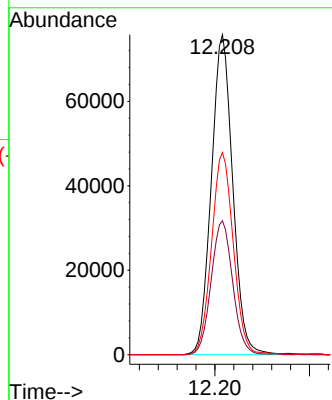
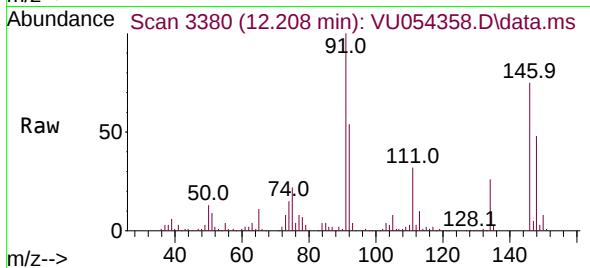
Tgt Ion:146 Resp: 118997

Ion Ratio Lower Upper

146 100

111 42.1 19.9 59.6

148 64.5 32.1 96.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.867 ug/l

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

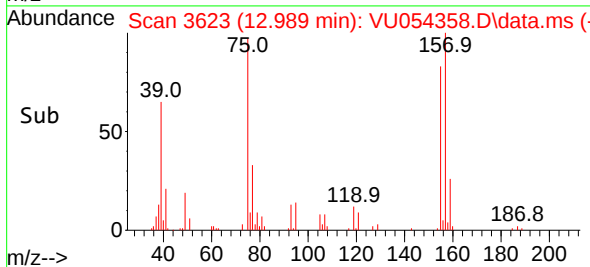
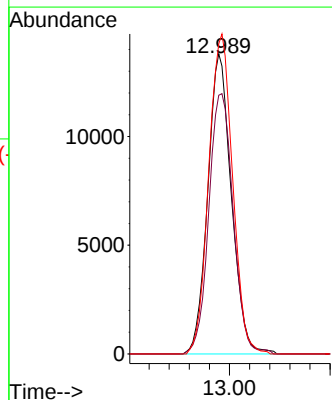
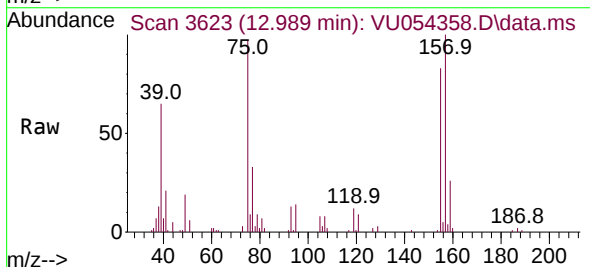
Tgt Ion: 75 Resp: 22520

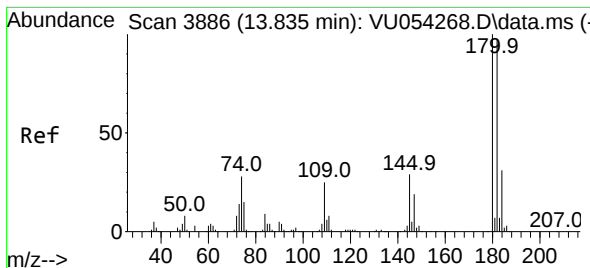
Ion Ratio Lower Upper

75 100

155 89.4 47.8 143.4

157 107.7 62.2 186.5





#93

1,2,4-Trichlorobenzene

Concen: 19.141 ug/l

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

VU0531WBSD02

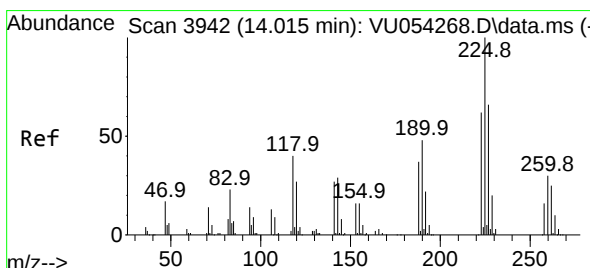
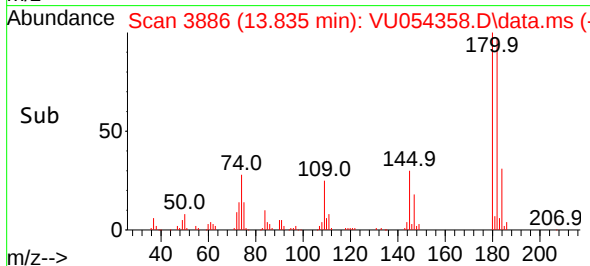
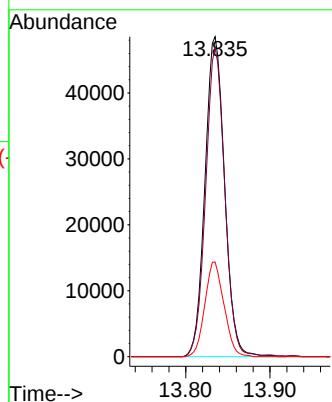
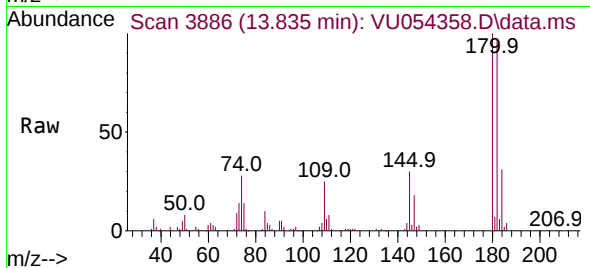
Tgt Ion:180 Resp: 78581

Ion Ratio Lower Upper

180 100

182 94.3 47.9 143.6

145 29.0 14.0 41.9



#94

Hexachlorobutadiene

Concen: 18.207 ug/l

RT: 14.015 min Scan# 3942

Delta R.T. -0.000 min

Lab File: VU054358.D

Acq: 31 May 2023 23:43

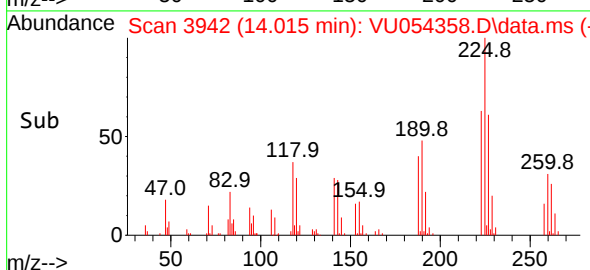
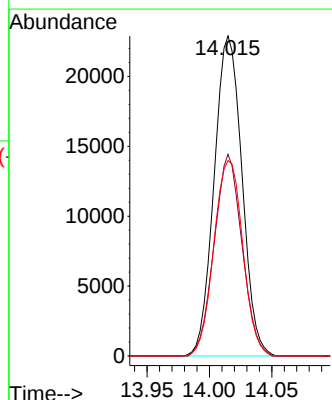
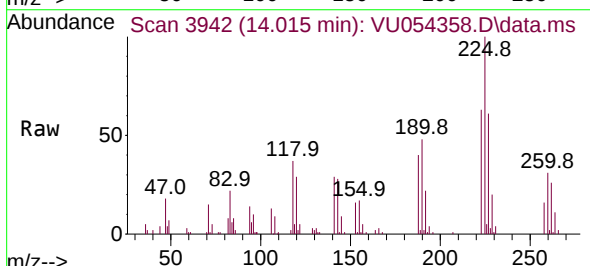
Tgt Ion:225 Resp: 35583

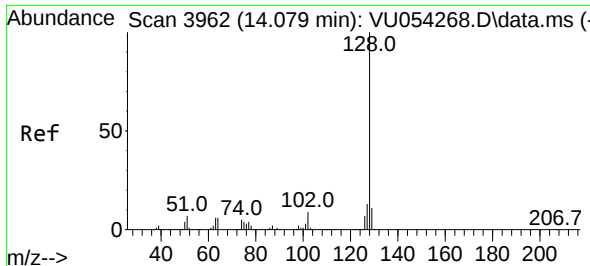
Ion Ratio Lower Upper

225 100

223 63.0 31.3 93.9

227 63.3 32.0 96.2

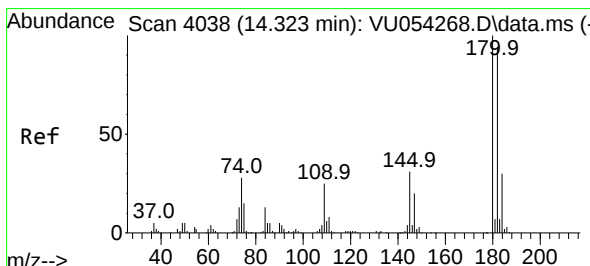
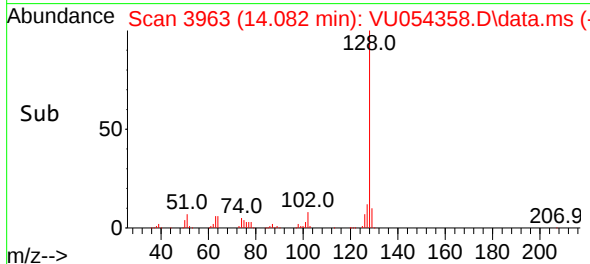
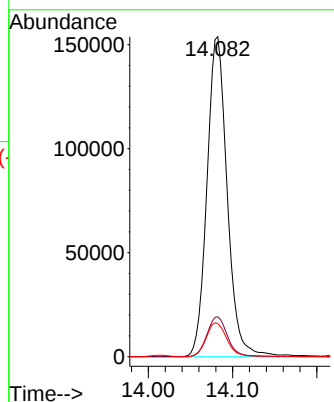
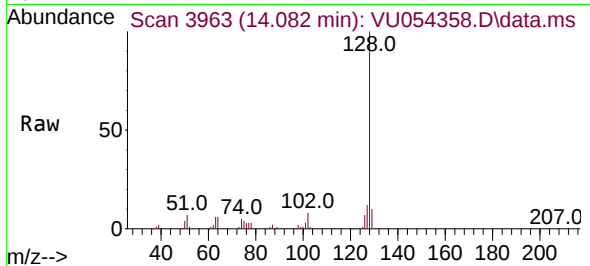




#95
Naphthalene
Concen: 19.639 ug/l
RT: 14.082 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Instrument :
MSVOA_U
ClientSampleId :
VU0531WBSD02

Tgt Ion:128 Resp: 256707
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.509 ug/l
RT: 14.324 min Scan# 4038
Delta R.T. 0.001 min
Lab File: VU054358.D
Acq: 31 May 2023 23:43

Tgt Ion:180 Resp: 80579
Ion Ratio Lower Upper
180 100
182 94.8 48.4 145.0
145 30.8 14.8 44.4

