

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
 Data File : VU054328.D
 Acq On : 30 May 2023 20:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 31 06:33:25 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	210077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	345658	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.411	117	333090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	182383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	151113	54.872	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.740%	
35) Dibromofluoromethane	5.282	113	120924	54.324	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.640%	
50) Toluene-d8	7.893	98	447172	52.815	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.620%	
62) 4-Bromofluorobenzene	10.626	95	169353	51.585	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.180%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	119005	50.745	ug/l	97
3) Chloromethane	1.520	50	155362	50.594	ug/l	98
4) Vinyl Chloride	1.604	62	156044	53.260	ug/l	99
5) Bromomethane	1.845	94	71289	43.955	ug/l	98
6) Chloroethane	1.922	64	96052	67.980	ug/l	99
7) Trichlorofluoromethane	2.131	101	197758	49.062	ug/l	99
8) Diethyl Ether	2.372	74	79336	53.167	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.575	101	111473	51.079	ug/l	96
10) Methyl Iodide	2.719	142	135729	51.829	ug/l	96
11) Tert butyl alcohol	3.186	59	100905	135.646	ug/l #	43
12) 1,1-Dichloroethene	2.575	96	111123	49.176	ug/l	94
13) Acrolein	2.482	56	204304	264.003	ug/l	100
14) Allyl chloride	2.916	41	200695	51.224	ug/l	87
15) Acrylonitrile	3.308	53	442338	265.215	ug/l	98
16) Acetone	2.623	43	345052	218.587	ug/l	97
17) Carbon Disulfide	2.787	76	325084	48.679	ug/l	100
18) Methyl Acetate	2.941	43	304652	52.856	ug/l	95
19) Methyl tert-butyl Ether	3.356	73	380506	51.442	ug/l	98
20) Methylene Chloride	3.041	84	136835	48.049	ug/l	93
21) trans-1,2-Dichloroethene	3.346	96	123670	51.119	ug/l	96
22) Diisopropyl ether	3.983	45	377924	54.422	ug/l #	80
23) Vinyl Acetate	3.948	43	1399263	276.140	ug/l	97
24) 1,1-Dichloroethane	3.861	63	228922	51.482	ug/l	100
25) 2-Butanone	4.694	43	545511	261.009	ug/l	96
26) 2,2-Dichloropropane	4.658	77	168229	43.292	ug/l	99
27) cis-1,2-Dichloroethene	4.661	96	138799	51.574	ug/l	95
28) Bromochloromethane	4.964	49	115847	56.300	ug/l	83
29) Tetrahydrofuran	5.044	42	356797	271.589	ug/l	92
30) Chloroform	5.083	83	229838	50.848	ug/l	98
31) Cyclohexane	5.382	56	190538	49.000	ug/l	93
32) 1,1,1-Trichloroethane	5.311	97	199421	50.819	ug/l	98
36) 1,1-Dichloropropene	5.520	75	165636	47.376	ug/l	98
37) Ethyl Acetate	4.797	43	203653	47.795	ug/l #	91
38) Carbon Tetrachloride	5.520	117	172080	48.086	ug/l	98
39) Methylcyclohexane	6.758	83	190437	48.090	ug/l	90
40) Benzene	5.768	78	501095	50.247	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.964	41	105005	53.322	ug/l	93
42) 1,2-Dichloroethane	5.787	62	177420	48.974	ug/l	98
43) Isopropyl Acetate	5.903	43	300318	51.098	ug/l	98
44) Trichloroethene	6.536	130	135071	48.452	ug/l	93
45) 1,2-Dichloropropane	6.784	63	134533	51.712	ug/l	99
46) Dibromomethane	6.912	93	94716	49.460	ug/l	95
47) Bromodichloromethane	7.099	83	180176	50.310	ug/l	99
48) Methyl methacrylate	6.954	41	135546	52.005	ug/l	96
49) 1,4-Dioxane	6.973	88	79167	1052.115	ug/l #	1
51) 4-Methyl-2-Pentanone	7.784	43	1031665	263.035	ug/l	99
52) Toluene	7.964	92	308863	48.572	ug/l	100
53) t-1,3-Dichloropropene	8.205	75	202221	49.354	ug/l	100
54) cis-1,3-Dichloropropene	7.600	75	210092	49.133	ug/l	99
55) 1,1,2-Trichloroethane	8.394	97	130230	49.418	ug/l	99
56) Ethyl methacrylate	8.327	69	203804	51.955	ug/l	95
57) 1,3-Dichloropropane	8.568	76	229160	50.495	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.459	63	63102	250.900	ug/l	95
59) 2-Hexanone	8.677	43	803747	259.414	ug/l	100
60) Dibromochloromethane	8.803	129	135619	50.653	ug/l	100
61) 1,2-Dibromoethane	8.919	107	142887	49.820	ug/l	99
64) Tetrachloroethene	8.549	164	128726	51.348	ug/l	98
65) Chlorobenzene	9.443	112	330266	47.429	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.529	131	124669	49.351	ug/l	98
67) Ethyl Benzene	9.565	91	594081	49.902	ug/l	97
68) m/p-Xylenes	9.687	106	461479	102.266	ug/l	95
69) o-Xylene	10.095	106	222506	50.937	ug/l	93
70) Styrene	10.108	104	375273	51.803	ug/l	98
71) Bromoform	10.285	173	111915	50.981	ug/l #	99
73) Isopropylbenzene	10.478	105	576533	51.042	ug/l	98
74) N-amyl acetate	10.314	43	245973	51.286	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.777	83	228859	50.074	ug/l	99
76) 1,2,3-Trichloropropane	10.819	75	262582	49.330	ug/l	98
77) Bromobenzene	10.777	156	149522	48.206	ug/l	90
78) n-propylbenzene	10.899	91	704786	50.936	ug/l	98
79) 2-Chlorotoluene	10.980	91	421482	50.314	ug/l	96
80) 1,3,5-Trimethylbenzene	11.082	105	497170	51.758	ug/l	97
81) trans-1,4-Dichloro-2-b...	10.539	75	66695	47.712	ug/l	98
82) 4-Chlorotoluene	11.092	91	493826	50.242	ug/l	95
83) tert-Butylbenzene	11.414	119	478544	49.820	ug/l	95
84) 1,2,4-Trimethylbenzene	11.462	105	491549	51.437	ug/l	98
85) sec-Butylbenzene	11.639	105	618635	50.757	ug/l	98
86) p-Isopropyltoluene	11.787	119	516179	50.352	ug/l	98
87) 1,3-Dichlorobenzene	11.742	146	287588	47.885	ug/l	98
88) 1,4-Dichlorobenzene	11.832	146	294217	46.893	ug/l	98
89) n-Butylbenzene	12.205	91	459893	47.659	ug/l	98
90) Hexachloroethane	12.468	117	88243	48.657	ug/l	91
91) 1,2-Dichlorobenzene	12.205	146	288927	48.902	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.989	75	56957	54.643	ug/l	92
93) 1,2,4-Trichlorobenzene	13.835	180	203970	48.667	ug/l	99
94) Hexachlorobutadiene	14.015	225	91057	46.888	ug/l	99
95) Naphthalene	14.079	128	702219	51.974	ug/l	100
96) 1,2,3-Trichlorobenzene	14.323	180	211532	50.870	ug/l	98

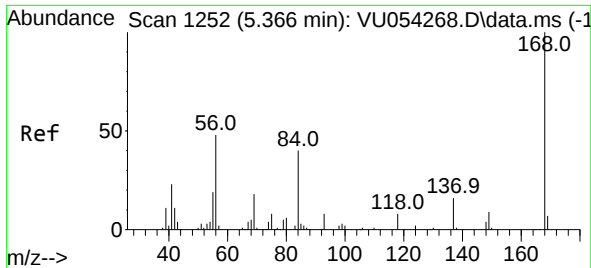
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Response via : Initial Calibration

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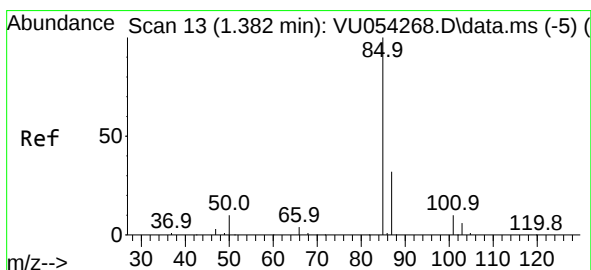
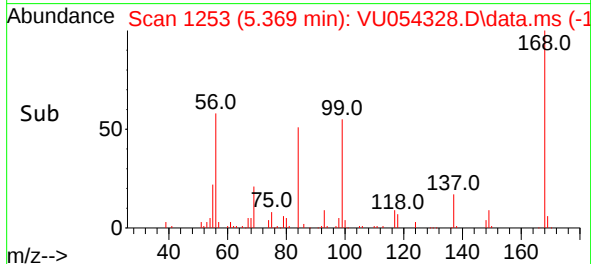
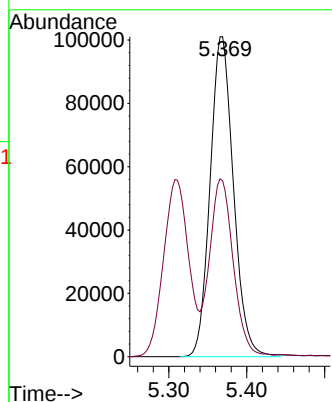
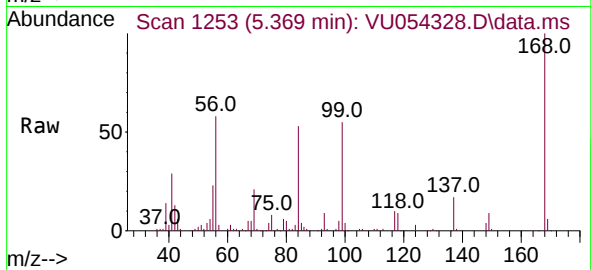
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

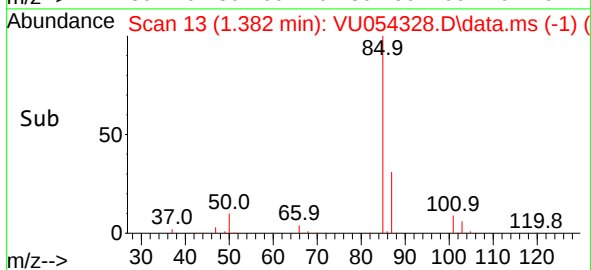
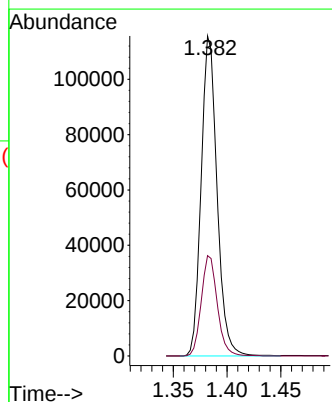
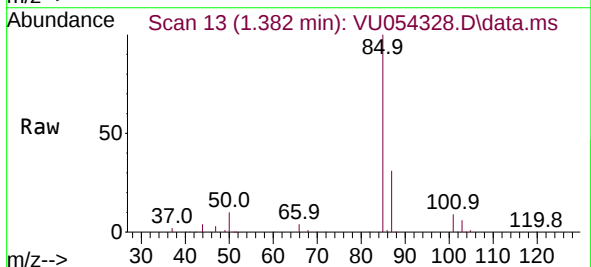
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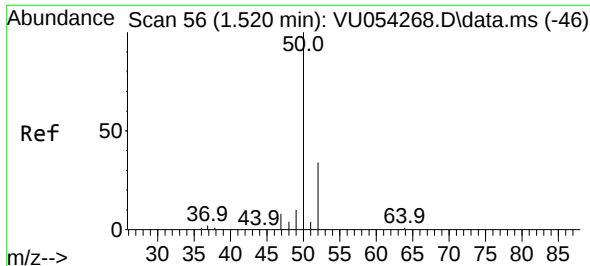
Tgt Ion:168 Resp: 210077
Ion Ratio Lower Upper
168 100
99 54.4 39.3 58.9



#2
Dichlorodifluoromethane
Concen: 50.745 ug/l
RT: 1.382 min Scan# 13
Delta R.T. -0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion: 85 Resp: 119005
Ion Ratio Lower Upper
85 100
87 31.3 16.4 49.2

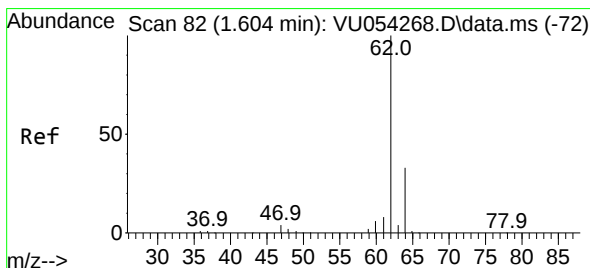
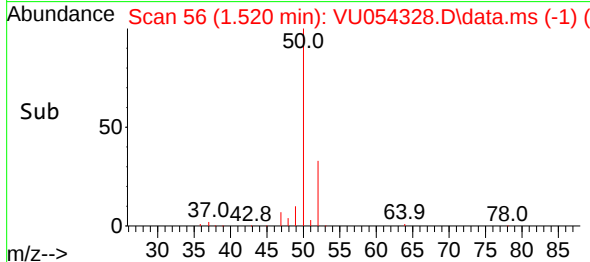
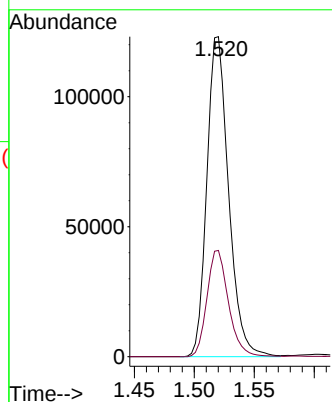
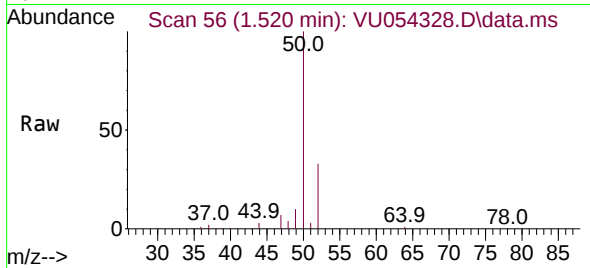




#3
Chloromethane
Concen: 50.594 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

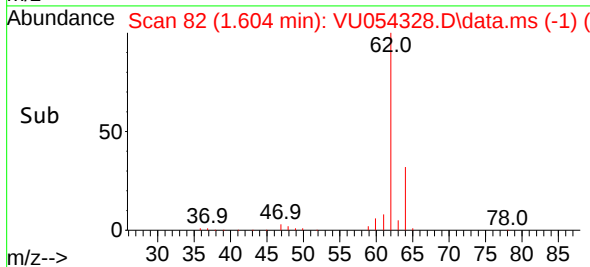
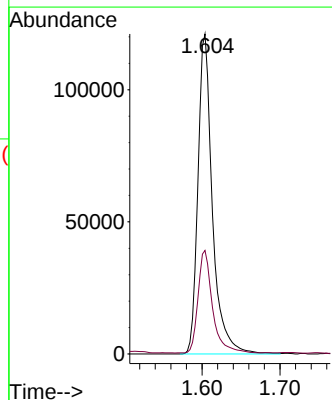
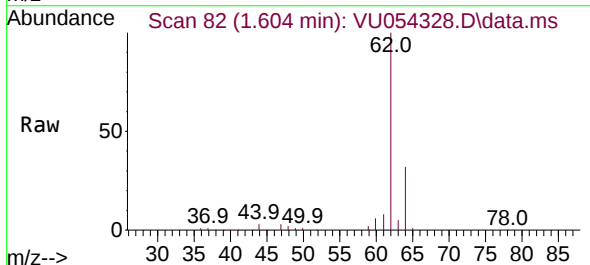
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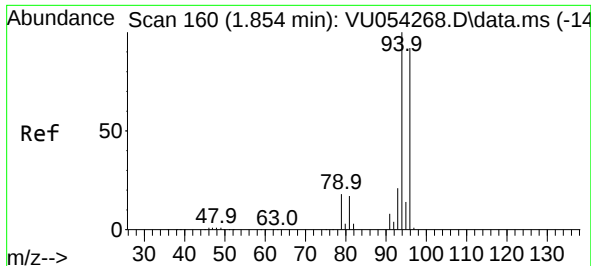
Tgt Ion: 50 Resp: 155362
Ion Ratio Lower Upper
50 100
52 33.2 27.4 41.2



#4
Vinyl Chloride
Concen: 53.260 ug/l
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion: 62 Resp: 156044
Ion Ratio Lower Upper
62 100
64 32.0 25.3 37.9

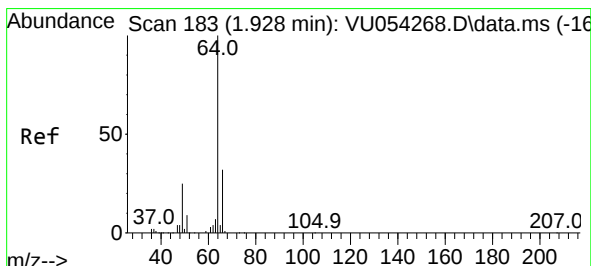
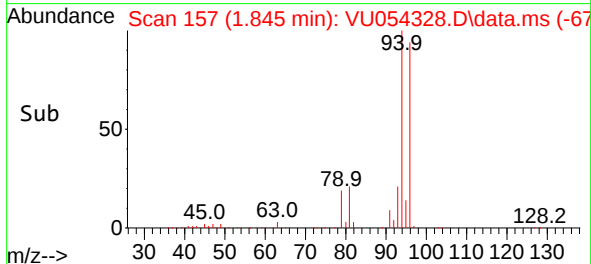
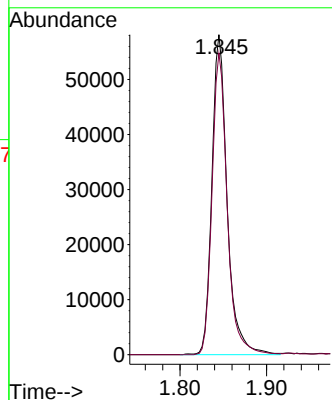
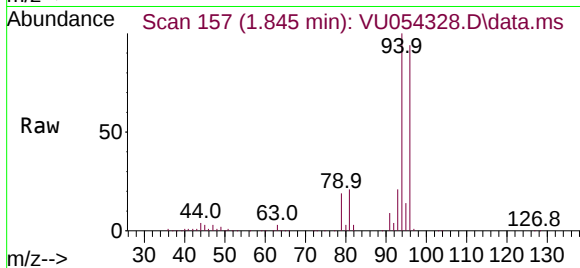




#5
Bromomethane
Concen: 43.955 ug/l
RT: 1.845 min Scan# 11
Delta R.T. -0.009 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

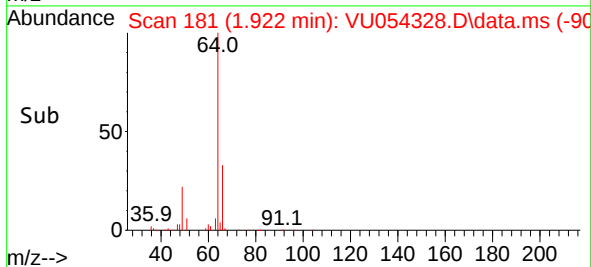
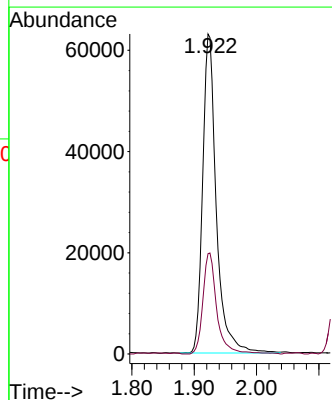
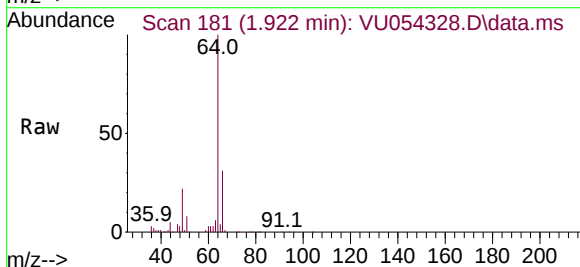
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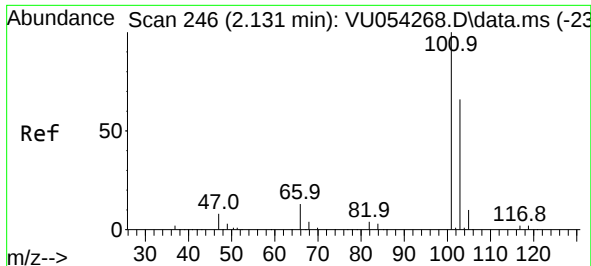
Tgt Ion: 94 Resp: 71289
Ion Ratio Lower Upper
94 100
96 94.2 73.7 110.5



#6
Chloroethane
Concen: 67.980 ug/l
RT: 1.922 min Scan# 181
Delta R.T. -0.006 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion: 64 Resp: 96052
Ion Ratio Lower Upper
64 100
66 31.4 24.7 37.1

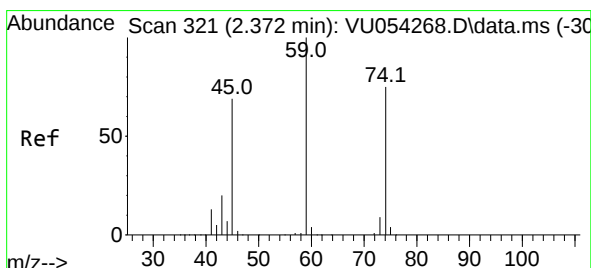
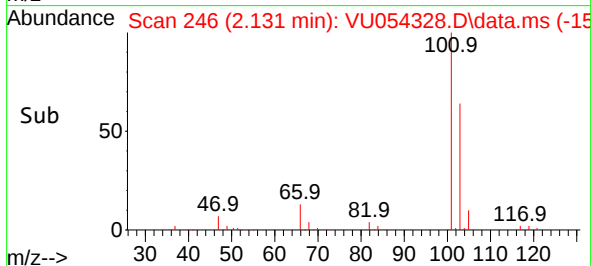
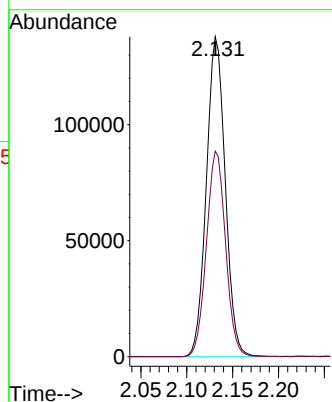
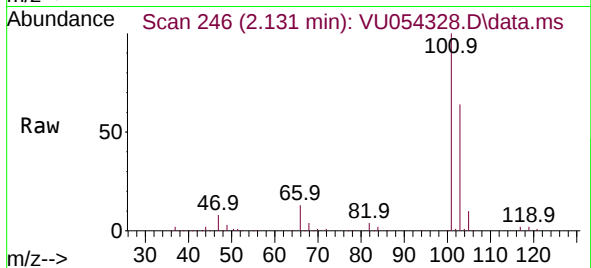




#7
Trichlorofluoromethane
Concen: 49.062 ug/l
RT: 2.131 min Scan# 246
Delta R.T. 0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

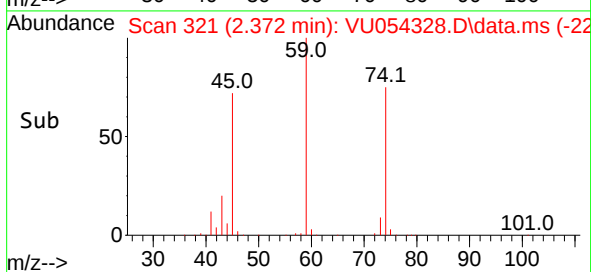
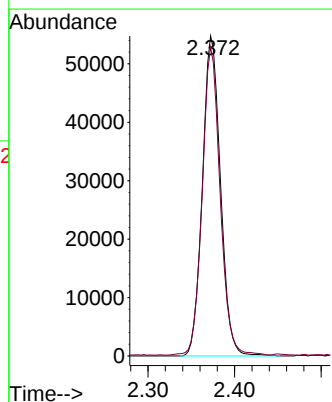
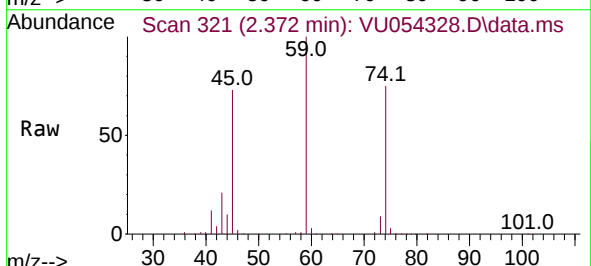
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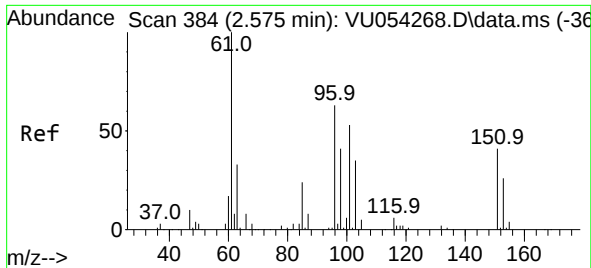
Tgt Ion:101 Resp: 197758
Ion Ratio Lower Upper
101 100
103 64.2 50.6 75.8



#8
Diethyl Ether
Concen: 53.167 ug/l
RT: 2.372 min Scan# 321
Delta R.T. 0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion: 74 Resp: 79336
Ion Ratio Lower Upper
74 100
45 95.1 44.4 133.2

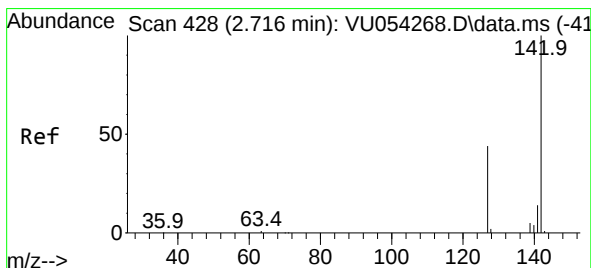
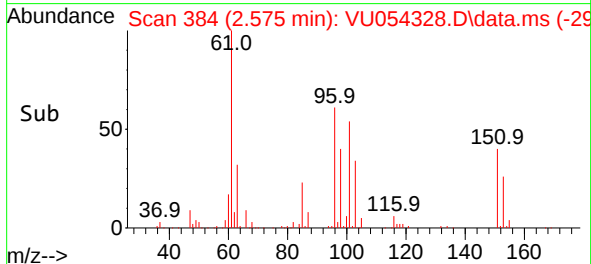
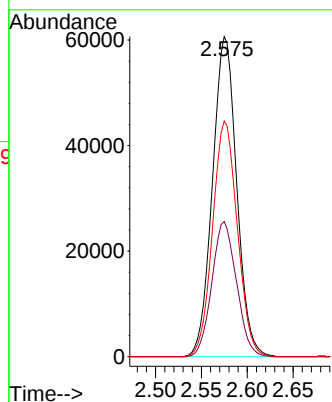
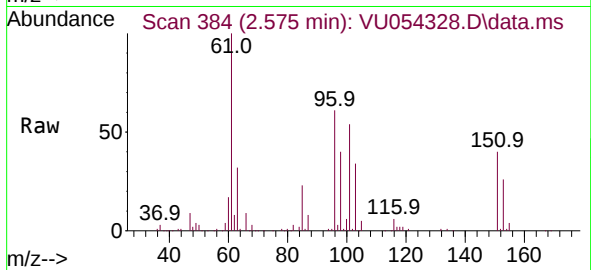




#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.079 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
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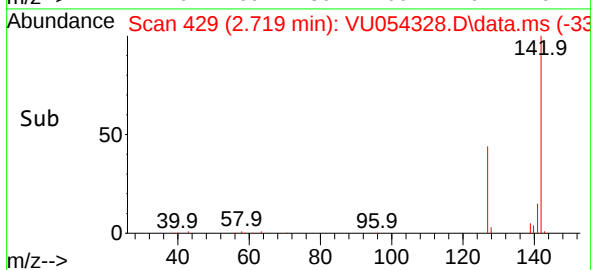
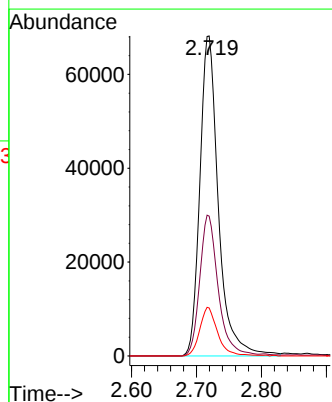
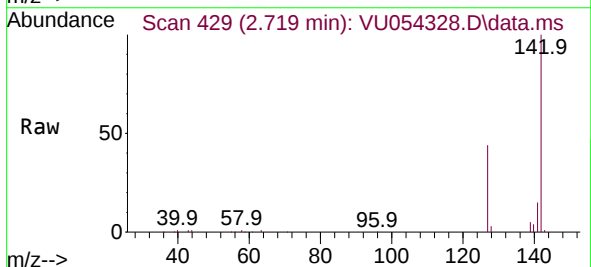
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

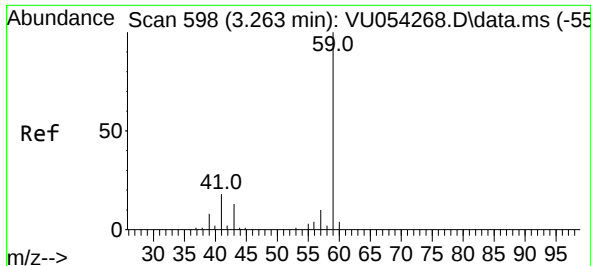
Tgt Ion:101 Resp: 111473
Ion Ratio Lower Upper
101 100
85 42.8 33.9 50.9
151 75.1 64.0 96.0



#10
Methyl Iodide
Concen: 51.829 ug/l
RT: 2.719 min Scan# 429
Delta R.T. 0.003 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion:142 Resp: 135729
Ion Ratio Lower Upper
142 100
127 43.8 32.5 48.7
141 14.6 11.4 17.0

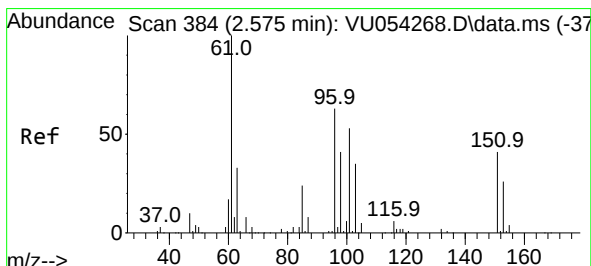
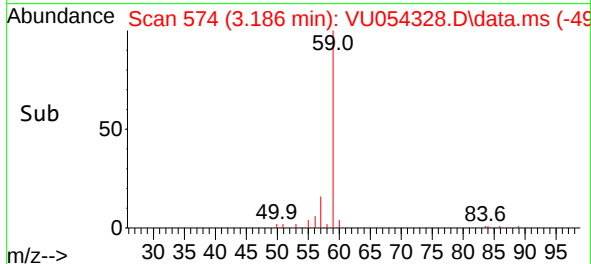
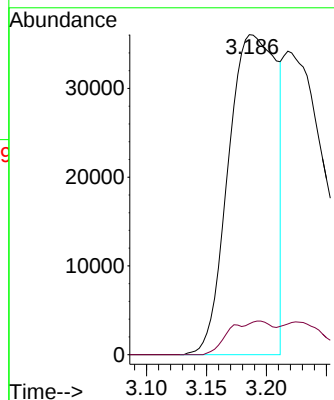
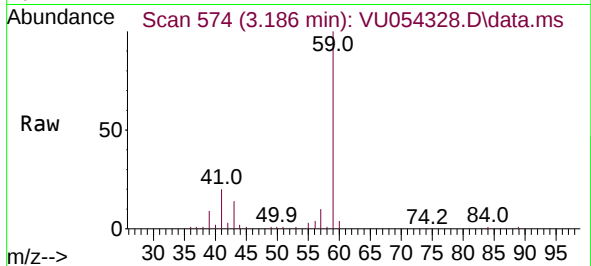




#11
Tert butyl alcohol
Concen: 135.646 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.057 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

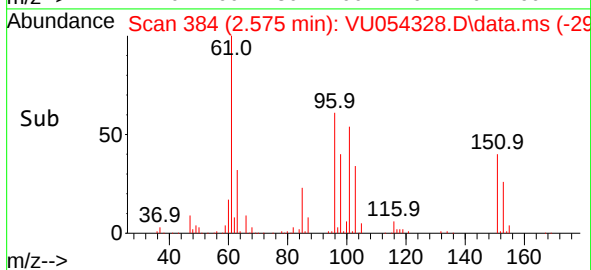
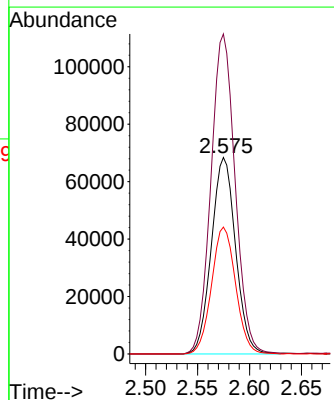
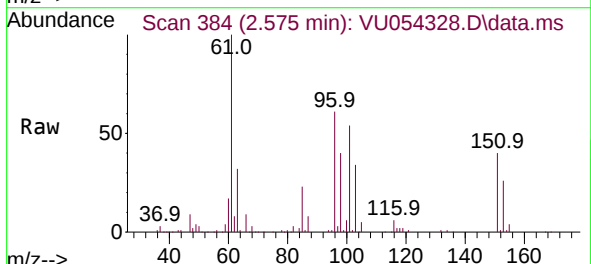
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

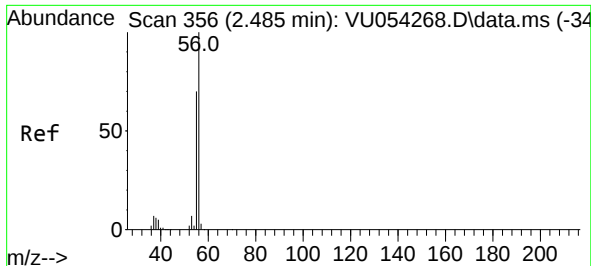
Tgt Ion: 59 Resp: 100905
Ion Ratio Lower Upper
59 100
57 3.6 30.6 45.8#



#12
1,1-Dichloroethene
Concen: 49.176 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion: 96 Resp: 111123
Ion Ratio Lower Upper
96 100
61 162.8 122.2 183.2
98 64.6 50.7 76.1





#13

Acrolein

Concen: 264.003 ug/l

RT: 2.482 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

Instrument :

MSVOA_U

ClientSampleId :

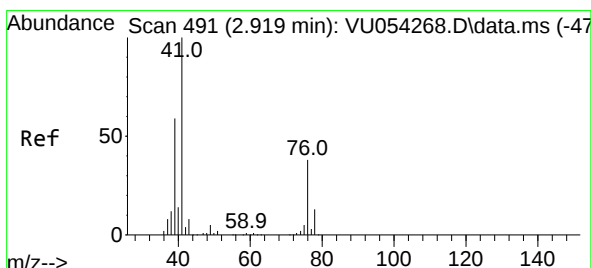
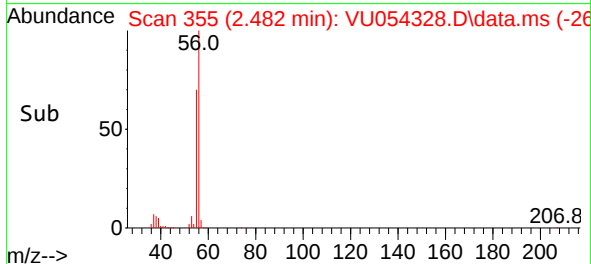
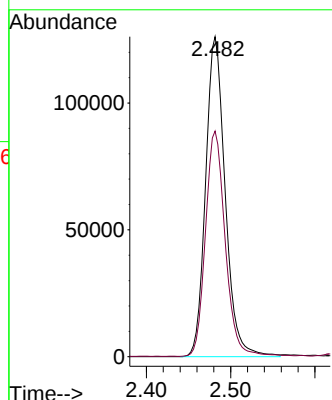
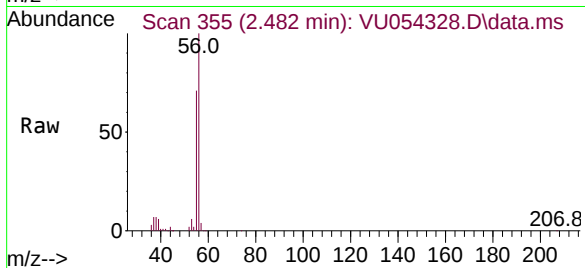
VSTDCCC050EC

Tgt Ion: 56 Resp: 204304

Ion Ratio Lower Upper

56 100

55 70.9 56.6 85.0



#14

Allyl chloride

Concen: 51.224 ug/l

RT: 2.916 min Scan# 490

Delta R.T. -0.003 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

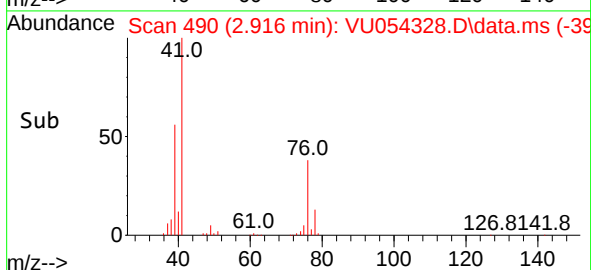
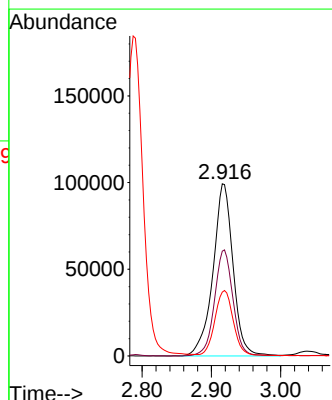
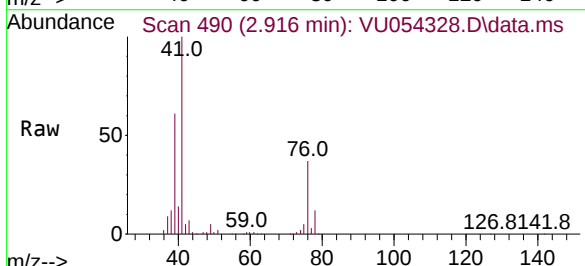
Tgt Ion: 41 Resp: 200695

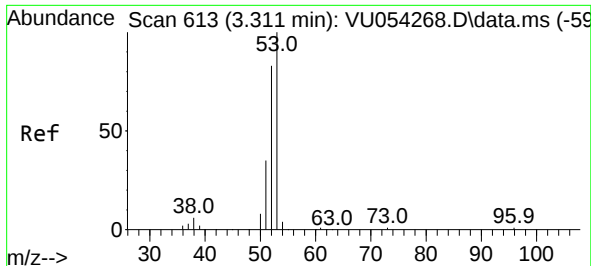
Ion Ratio Lower Upper

41 100

39 56.4 53.4 80.2

76 34.4 33.8 50.6

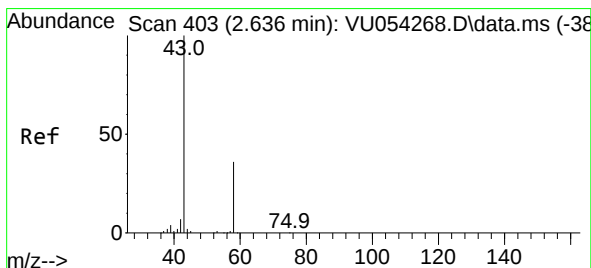
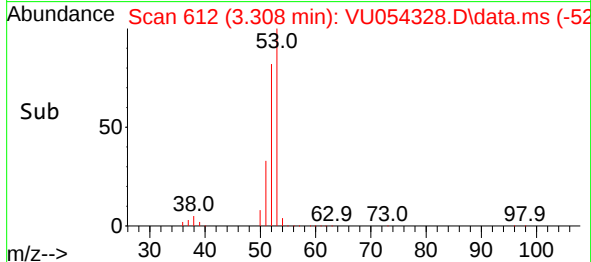
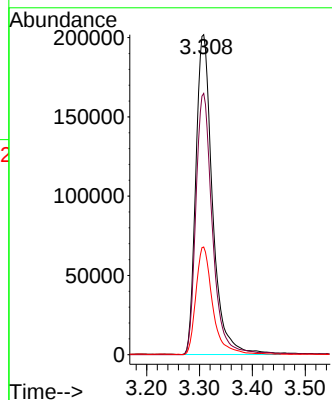
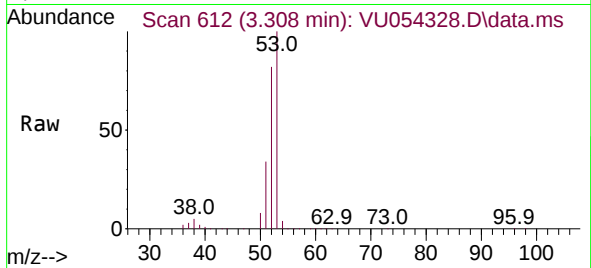




#15
Acrylonitrile
Concen: 265.215 ug/l
RT: 3.308 min Scan# 613
Delta R.T. -0.003 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

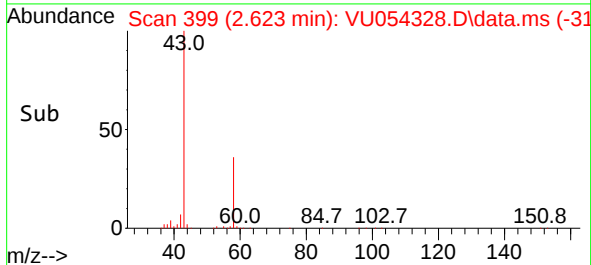
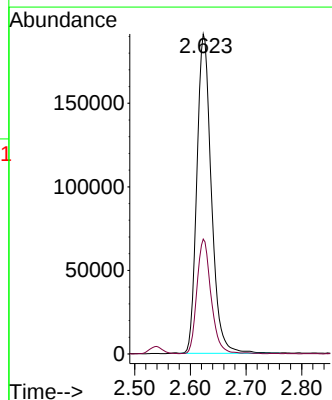
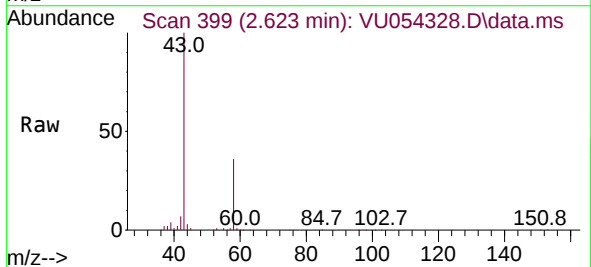
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

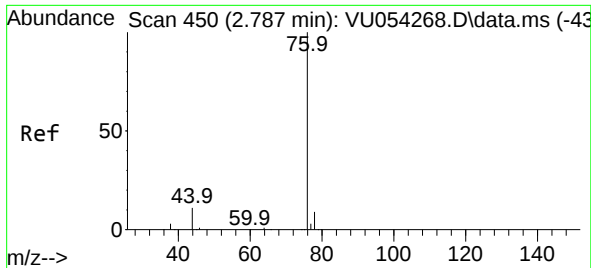
Tgt Ion: 53 Resp: 442338
Ion Ratio Lower Upper
53 100
52 80.6 65.7 98.5
51 33.6 28.2 42.4



#16
Acetone
Concen: 218.587 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.013 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion: 43 Resp: 345052
Ion Ratio Lower Upper
43 100
58 35.9 27.5 41.3





#17

Carbon Disulfide

Concen: 48.679 ug/l

RT: 2.787 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

Instrument :

MSVOA_U

ClientSampleId :

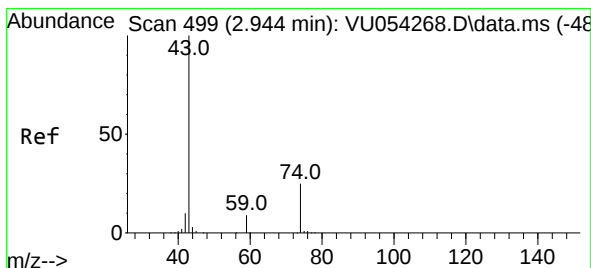
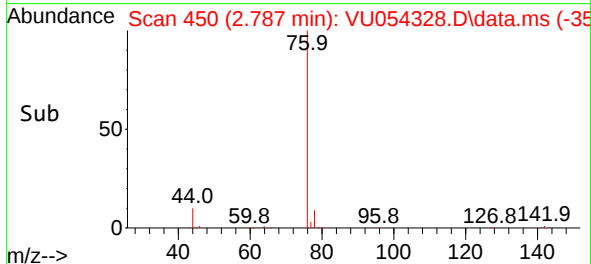
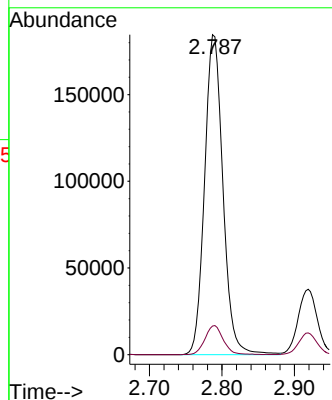
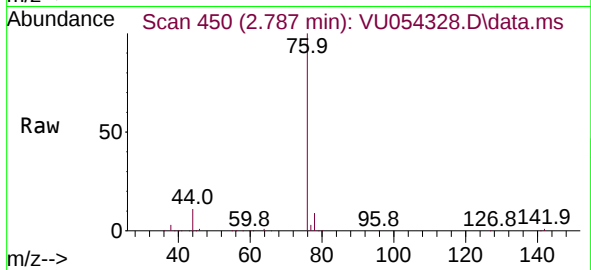
VSTDCCC050EC

Tgt Ion: 76 Resp: 325084

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



#18

Methyl Acetate

Concen: 52.856 ug/l

RT: 2.941 min Scan# 498

Delta R.T. -0.003 min

Lab File: VU054328.D

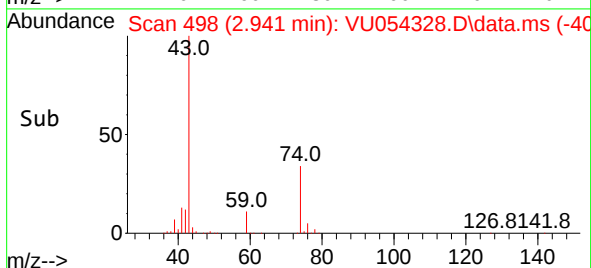
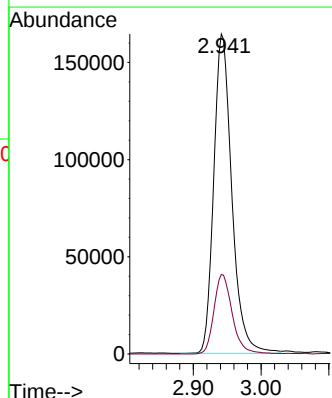
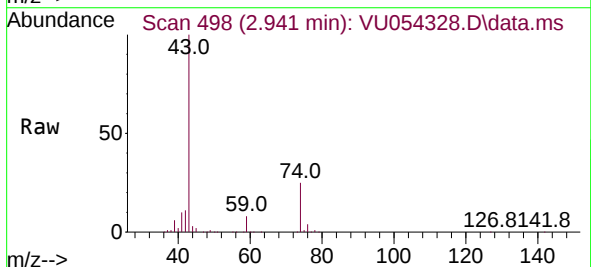
Acq: 30 May 2023 20:54

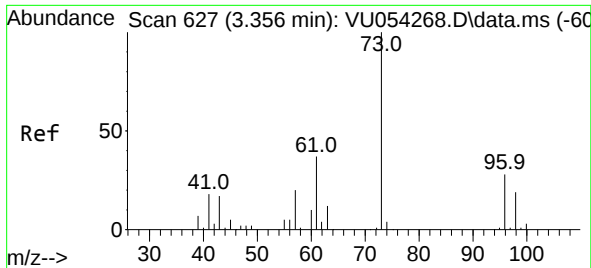
Tgt Ion: 43 Resp: 304652

Ion Ratio Lower Upper

43 100

74 25.3 22.5 33.7

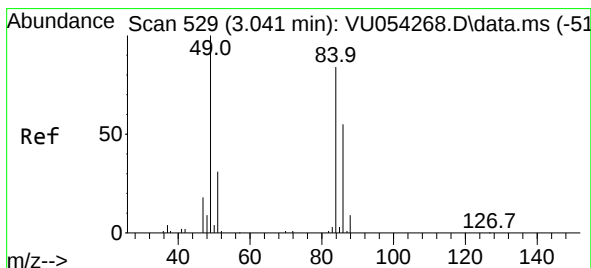
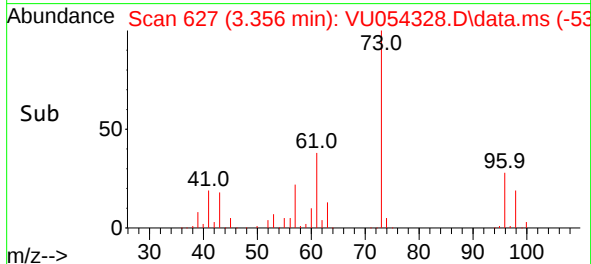
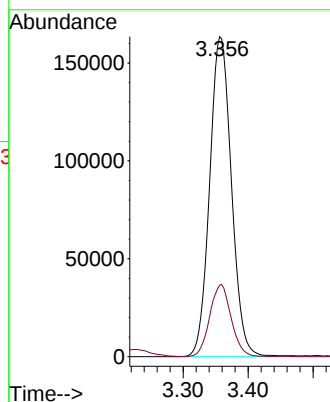
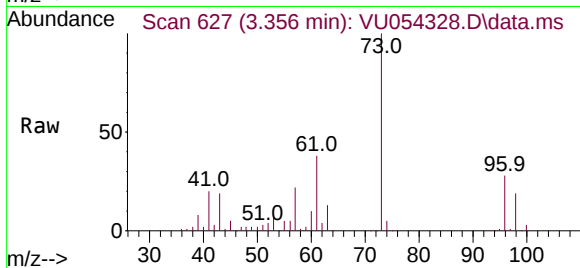




#19
Methyl tert-butyl Ether
Concen: 51.442 ug/l
RT: 3.356 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

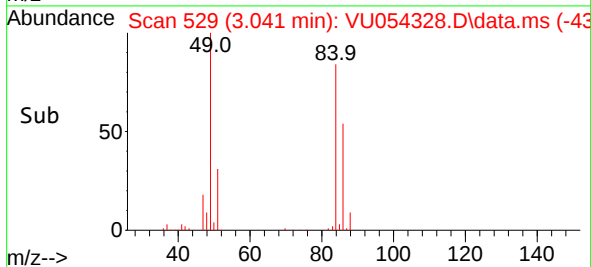
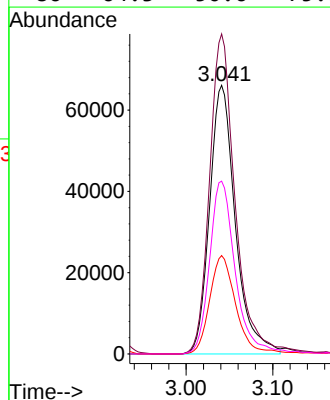
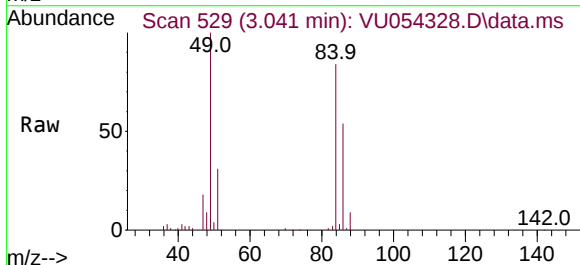
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

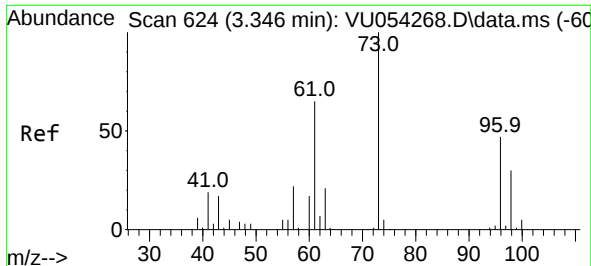
Tgt Ion: 73 Resp: 380506
Ion Ratio Lower Upper
73 100
57 22.3 17.1 25.7



#20
Methylene Chloride
Concen: 48.049 ug/l
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion: 84 Resp: 136835
Ion Ratio Lower Upper
84 100
49 119.1 86.6 129.8
51 36.6 26.6 40.0
86 64.3 50.6 75.8

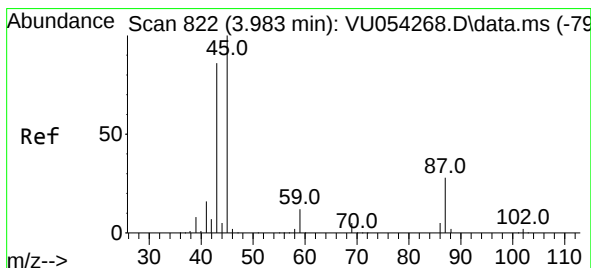
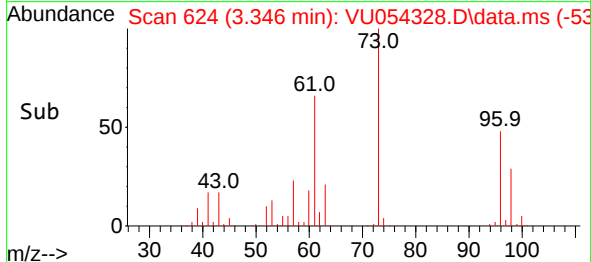
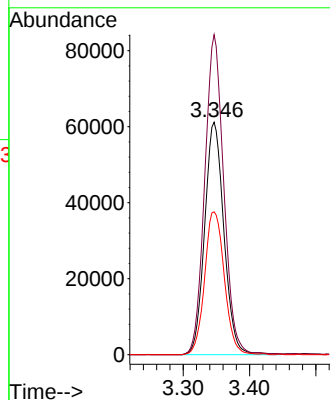
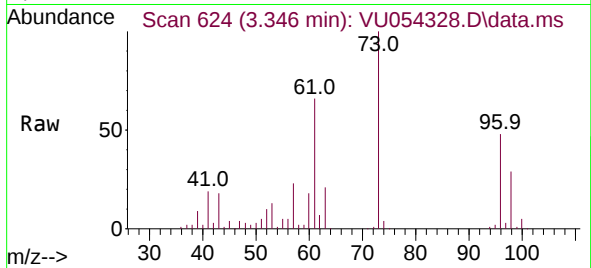




#21
trans-1,2-Dichloroethene
Concen: 51.119 ug/l
RT: 3.346 min Scan# 612
Delta R.T. 0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

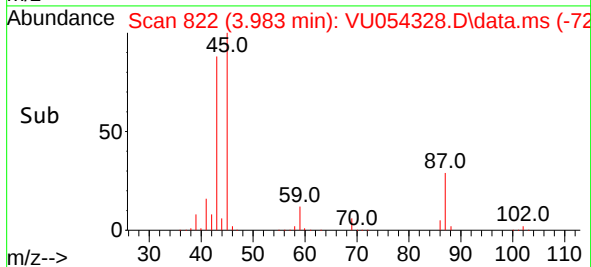
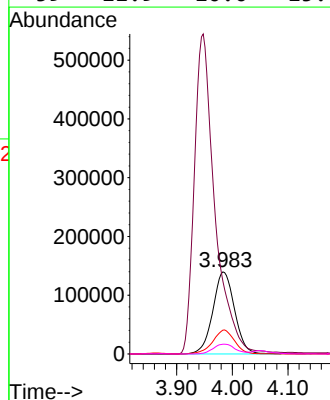
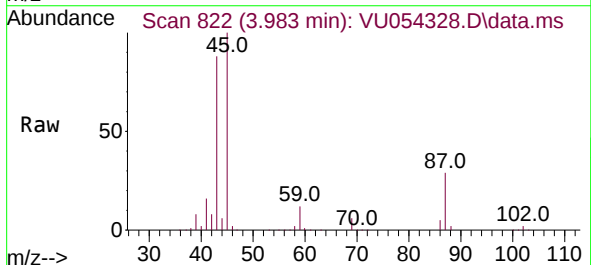
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

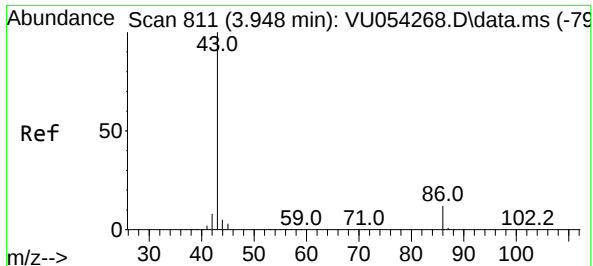
Tgt Ion: 96 Resp: 123670
Ion Ratio Lower Upper
96 100
61 137.6 106.1 159.1
98 61.5 50.8 76.2



#22
Diisopropyl ether
Concen: 54.422 ug/l
RT: 3.983 min Scan# 822
Delta R.T. 0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion: 45 Resp: 377924
Ion Ratio Lower Upper
45 100
43 88.0 92.9 139.3#
87 29.1 26.2 39.2
59 11.9 10.0 15.0

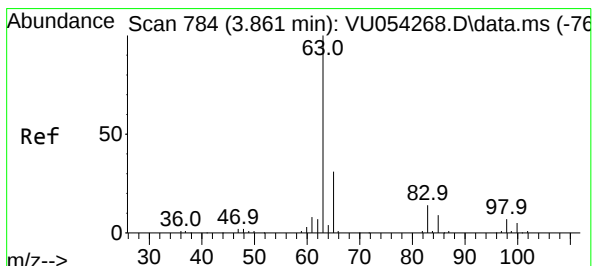
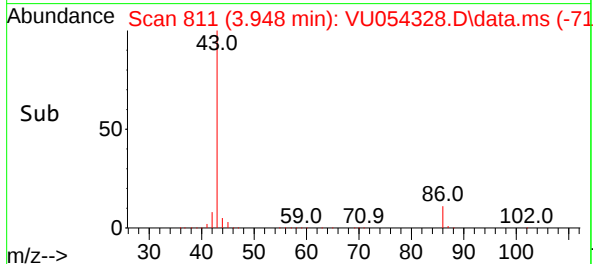
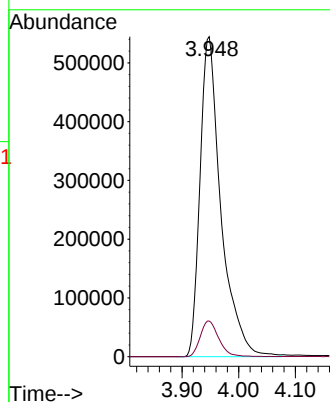
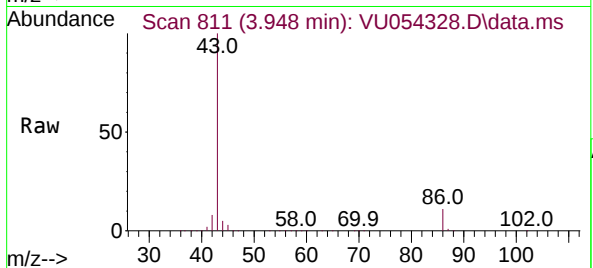




#23
 Vinyl Acetate
 Concen: 276.140 ug/l
 RT: 3.948 min Scan# 811
 Delta R.T. -0.000 min
 Lab File: VU054328.D
 Acq: 30 May 2023 20:54

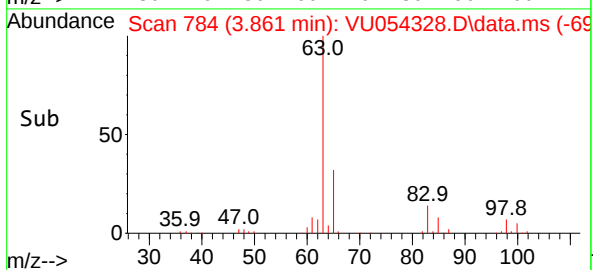
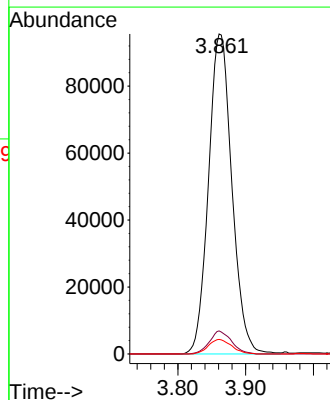
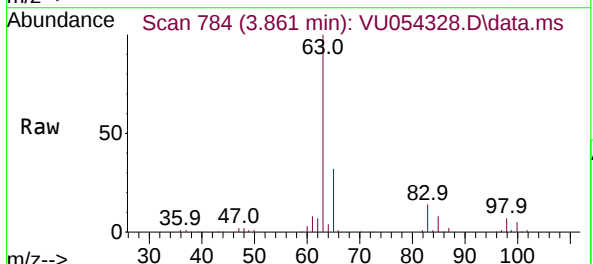
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

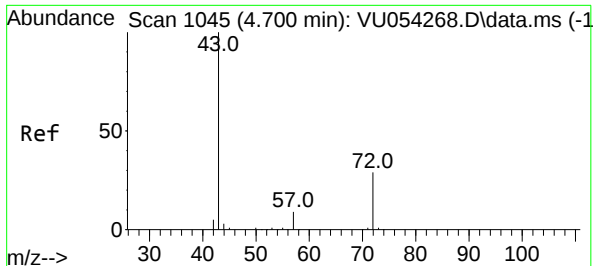
Tgt Ion: 43 Resp: 1399263
 Ion Ratio Lower Upper
 43 100
 86 11.1 9.8 14.8



#24
 1,1-Dichloroethane
 Concen: 51.482 ug/l
 RT: 3.861 min Scan# 784
 Delta R.T. -0.000 min
 Lab File: VU054328.D
 Acq: 30 May 2023 20:54

Tgt Ion: 63 Resp: 228922
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.6 10.9
 100 4.6 2.4 7.2





#25

2-Butanone

Concen: 261.009 ug/l

RT: 4.694 min Scan# 1043

Delta R.T. -0.006 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

Instrument :

MSVOA_U

ClientSampleId :

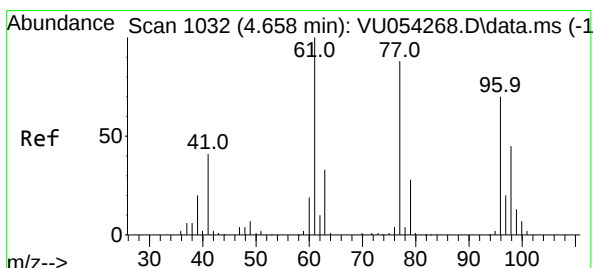
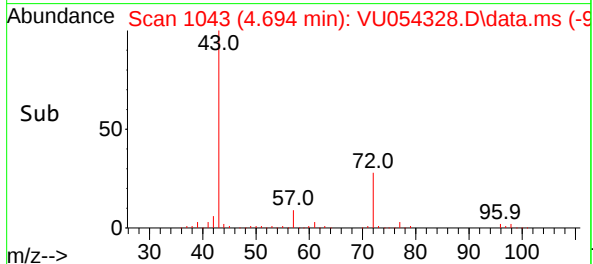
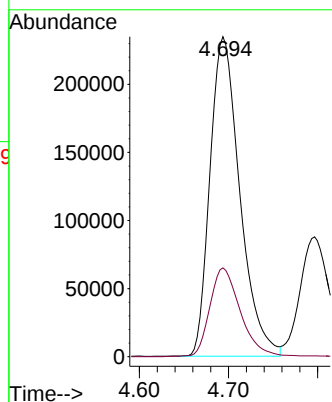
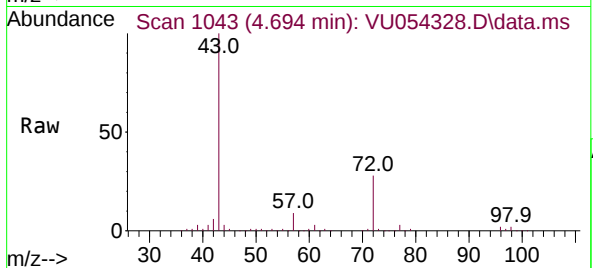
VSTDCCC050EC

Tgt Ion: 43 Resp: 545511

Ion Ratio Lower Upper

43 100

72 27.6 23.8 35.6



#26

2,2-Dichloropropane

Concen: 43.292 ug/l

RT: 4.658 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VU054328.D

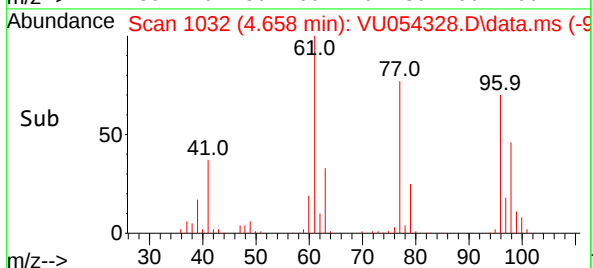
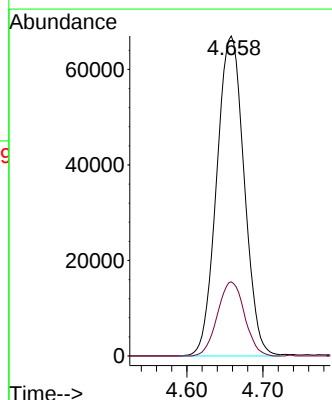
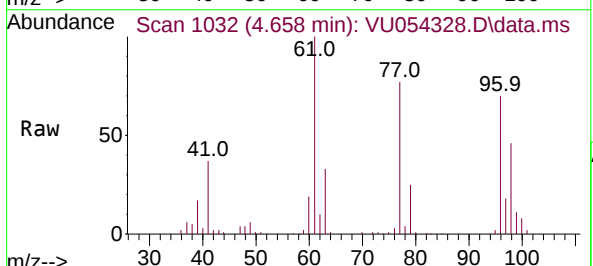
Acq: 30 May 2023 20:54

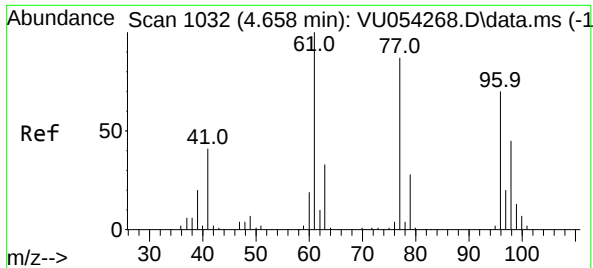
Tgt Ion: 77 Resp: 168229

Ion Ratio Lower Upper

77 100

97 22.8 11.6 34.8



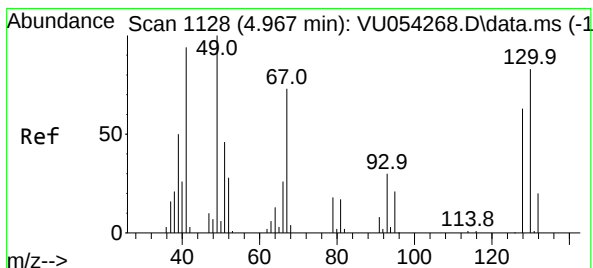
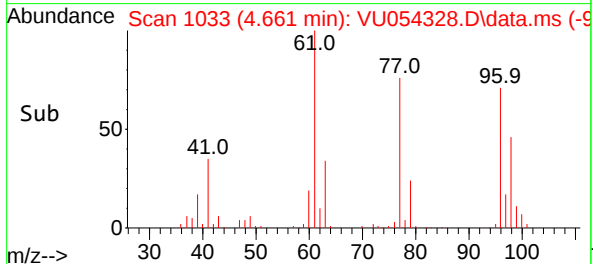
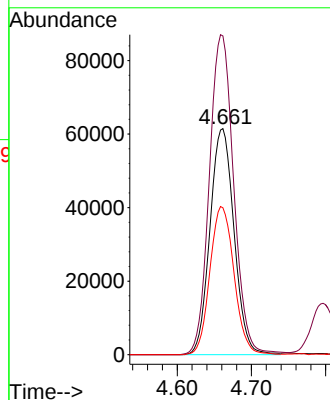
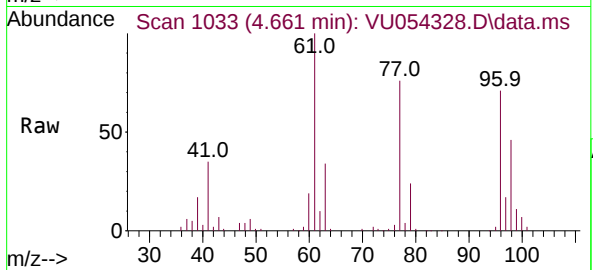


#27
 cis-1,2-Dichloroethene
 Concen: 51.574 ug/l
 RT: 4.661 min Scan# 1033
 Delta R.T. 0.003 min
 Lab File: VU054328.D
 Acq: 30 May 2023 20:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 96 Resp: 138799

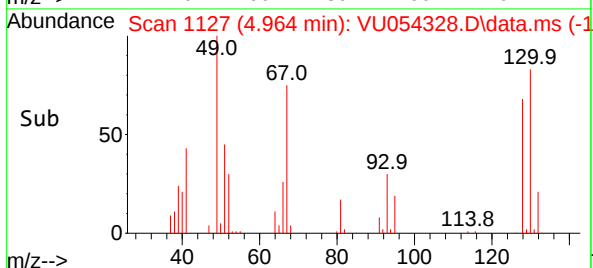
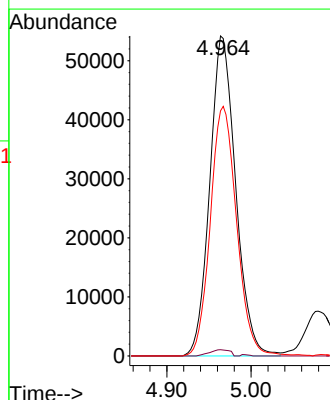
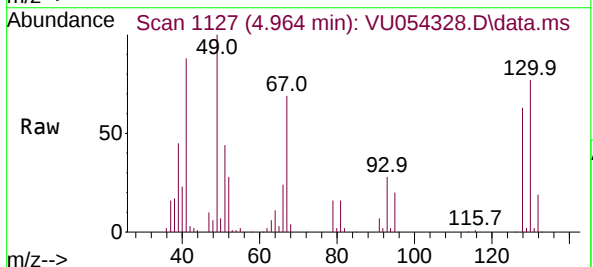
Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	271.6
98	65.5	0.0	128.2

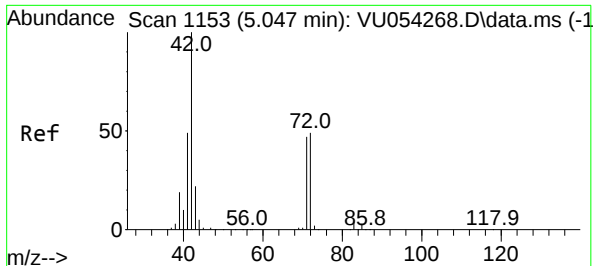


#28
 Bromochloromethane
 Concen: 56.300 ug/l
 RT: 4.964 min Scan# 1127
 Delta R.T. -0.003 min
 Lab File: VU054328.D
 Acq: 30 May 2023 20:54

Tgt Ion: 49 Resp: 115847

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.6
130	79.0	76.9	115.3





#29

Tetrahydrofuran

Concen: 271.589 ug/l

RT: 5.044 min Scan# 1153

Delta R.T. -0.003 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

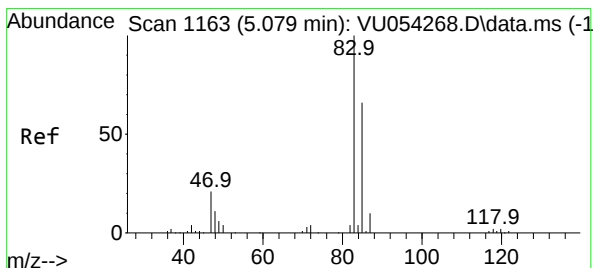
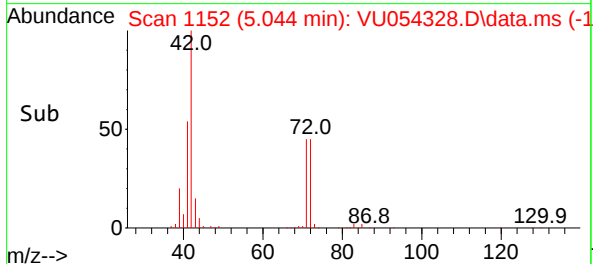
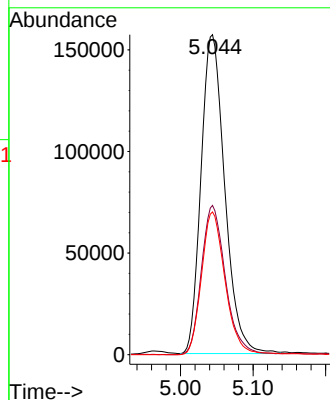
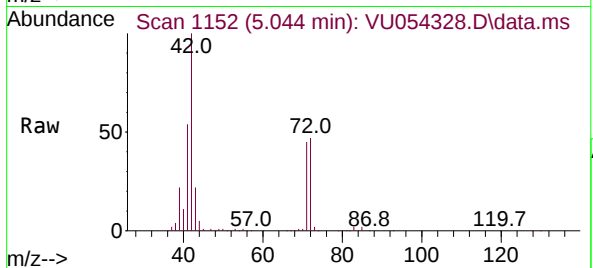
Tgt Ion: 42 Resp: 356797

Ion Ratio Lower Upper

42 100

72 47.5 42.6 63.8

71 44.6 40.3 60.5



#30

Chloroform

Concen: 50.848 ug/l

RT: 5.083 min Scan# 1164

Delta R.T. 0.004 min

Lab File: VU054328.D

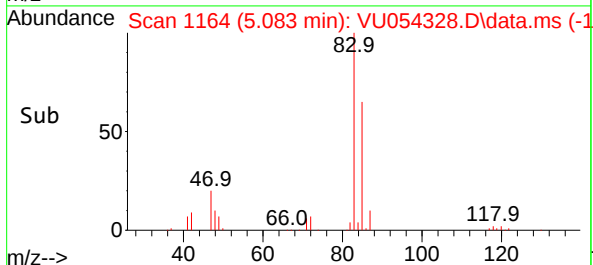
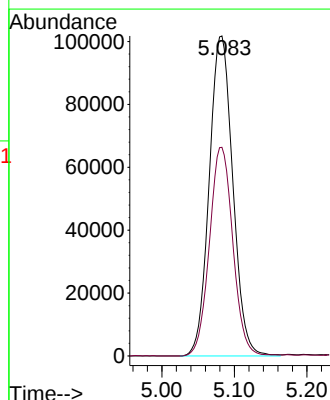
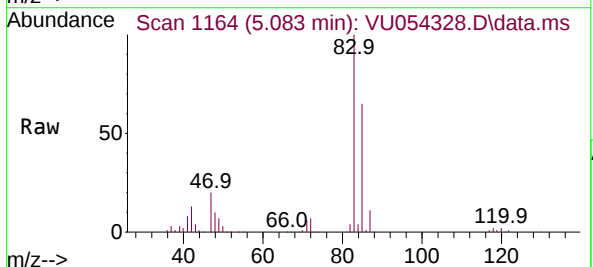
Acq: 30 May 2023 20:54

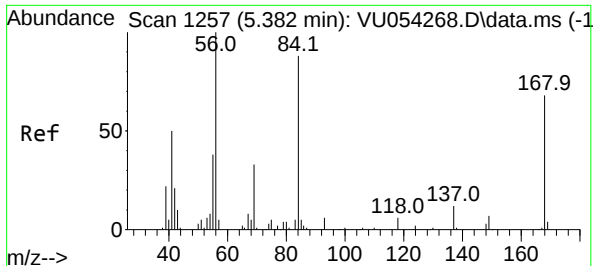
Tgt Ion: 83 Resp: 229838

Ion Ratio Lower Upper

83 100

85 65.2 51.2 76.8





#31

Cyclohexane

Concen: 49.000 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

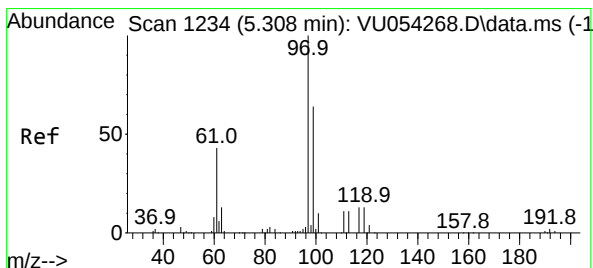
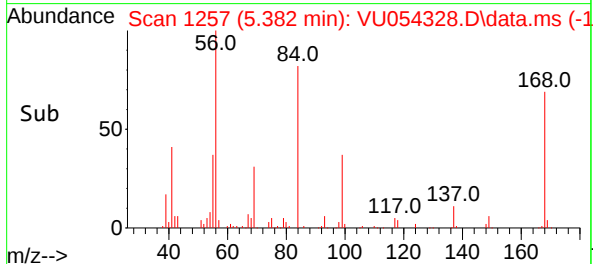
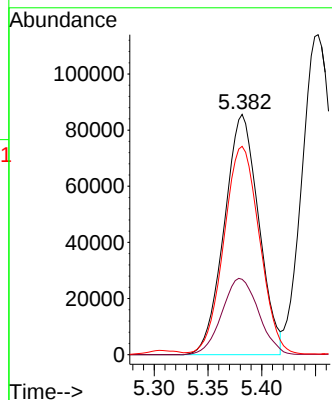
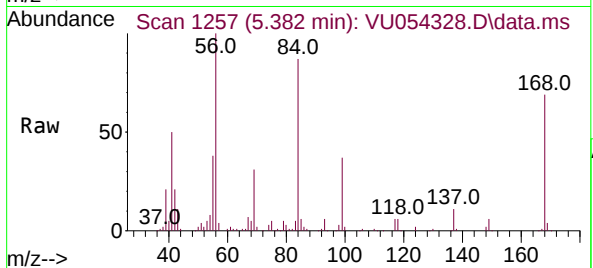
Tgt Ion: 56 Resp: 190538

Ion Ratio Lower Upper

56 100

69 31.4 27.8 41.8

84 85.6 74.2 111.4



#32

1,1,1-Trichloroethane

Concen: 50.819 ug/l

RT: 5.311 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

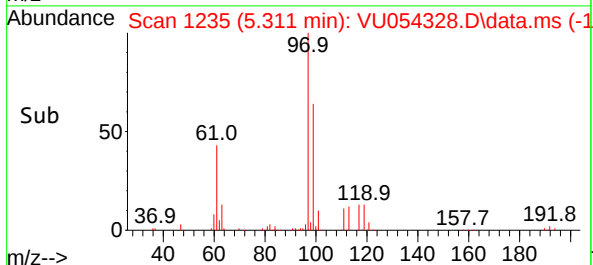
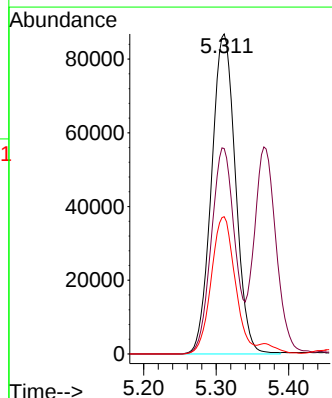
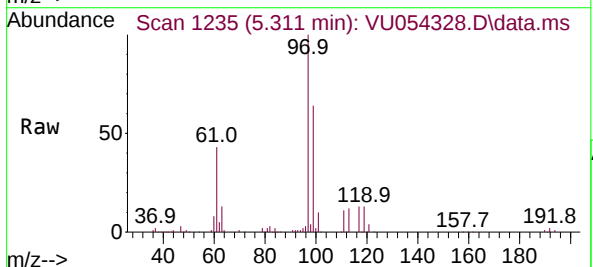
Tgt Ion: 97 Resp: 199421

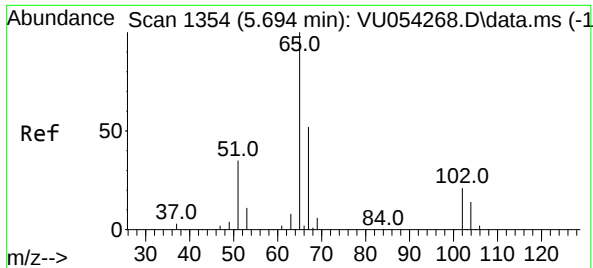
Ion Ratio Lower Upper

97 100

99 63.5 51.8 77.6

61 42.9 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 54.872 ug/l

RT: 5.694 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

Instrument :

MSVOA_U

ClientSampleId :

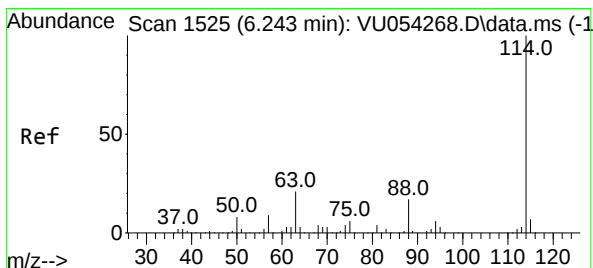
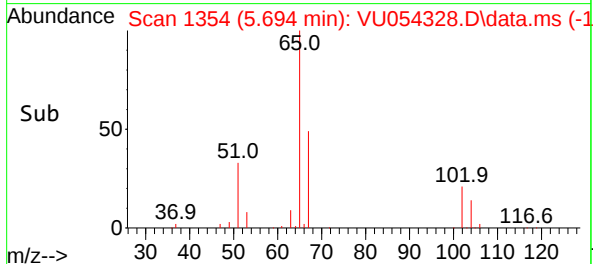
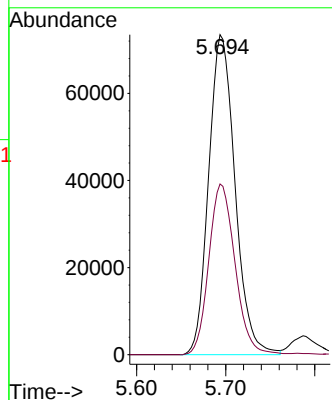
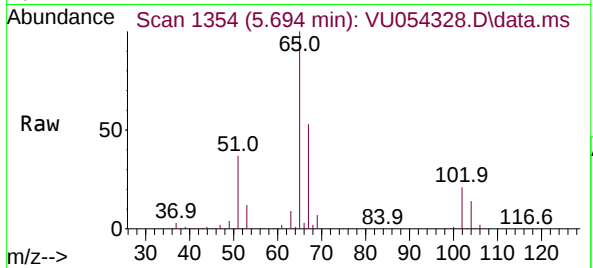
VSTDCCC050EC

Tgt Ion: 65 Resp: 151113

Ion Ratio Lower Upper

65 100

67 53.0 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

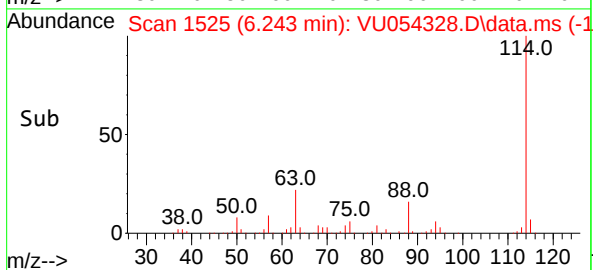
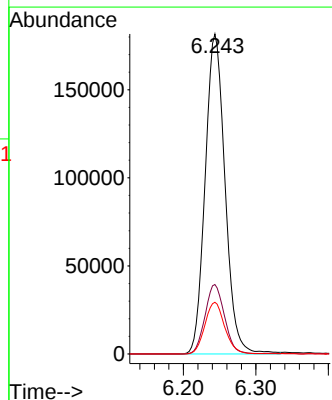
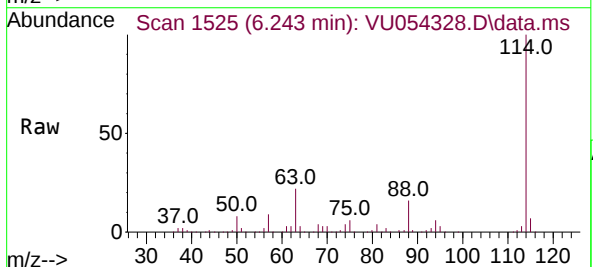
Tgt Ion: 114 Resp: 345658

Ion Ratio Lower Upper

114 100

63 21.7 0.0 37.8

88 16.2 0.0 29.2

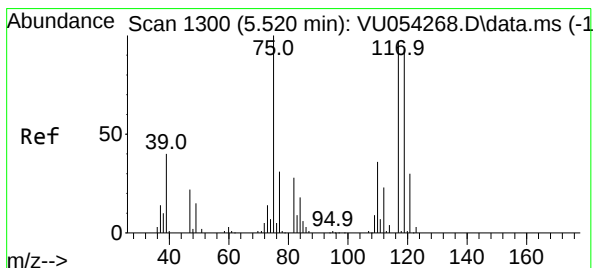
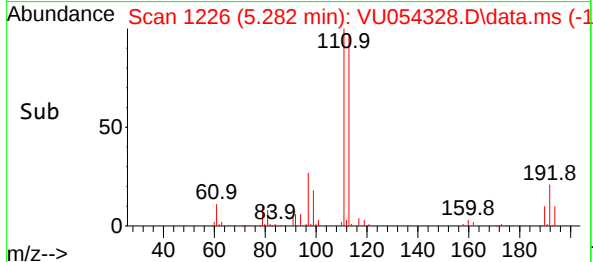
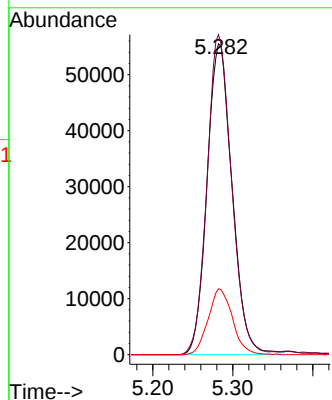
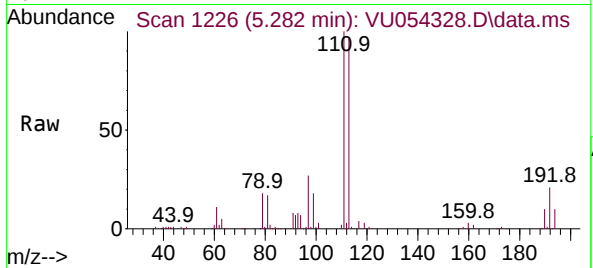




#35
Dibromofluoromethane
Concen: 54.324 ug/l
RT: 5.282 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

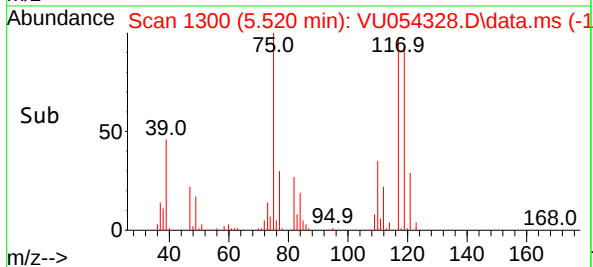
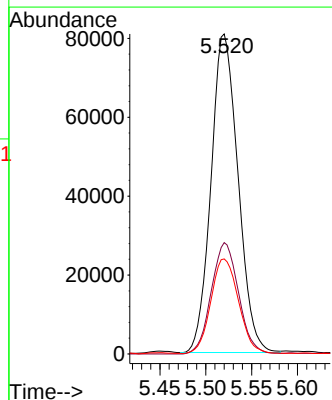
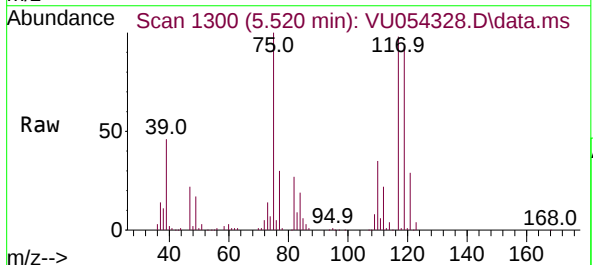
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

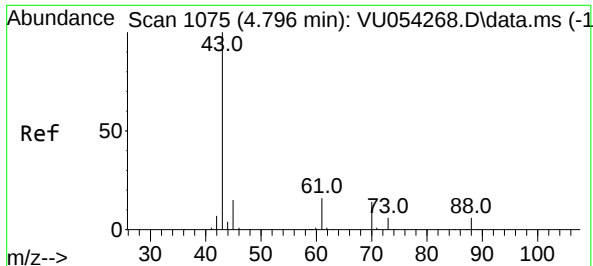
Tgt Ion:113 Resp: 120924
Ion Ratio Lower Upper
113 100
111 101.2 82.1 123.1
192 20.5 18.0 27.0



#36
1,1-Dichloropropene
Concen: 47.376 ug/l
RT: 5.520 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion: 75 Resp: 165636
Ion Ratio Lower Upper
75 100
110 35.3 18.4 55.2
77 30.3 25.1 37.7





#37

Ethyl Acetate

Concen: 47.795 ug/l

RT: 4.797 min Scan# 1

Delta R.T. 0.001 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

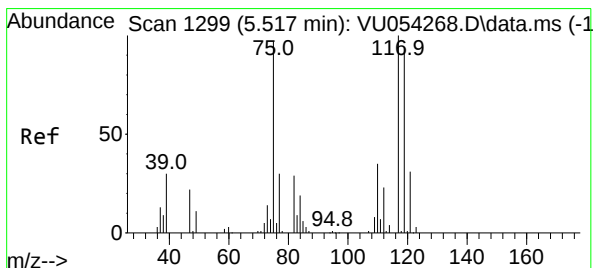
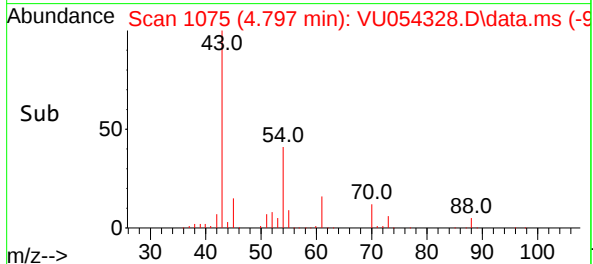
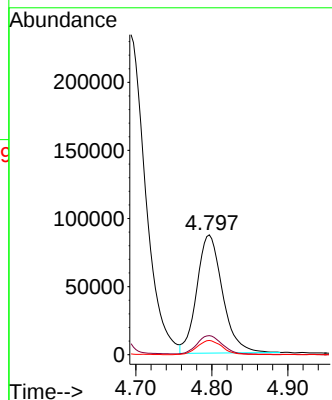
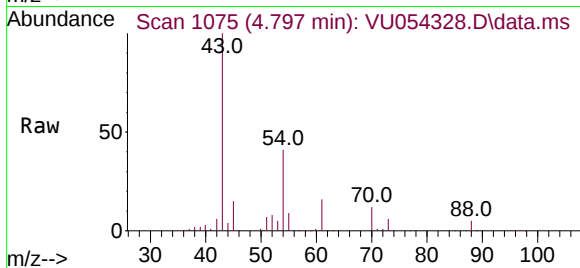
Tgt Ion: 43 Resp: 203653

Ion Ratio Lower Upper

43 100

61 16.0 9.5 14.3#

70 11.8 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 48.086 ug/l

RT: 5.520 min Scan# 1300

Delta R.T. 0.003 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

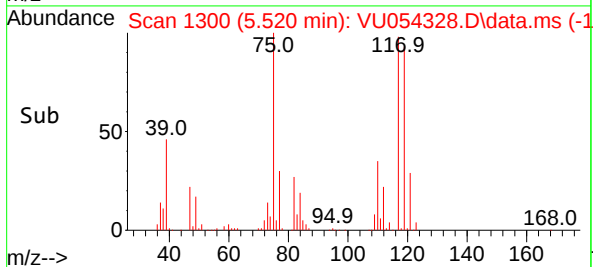
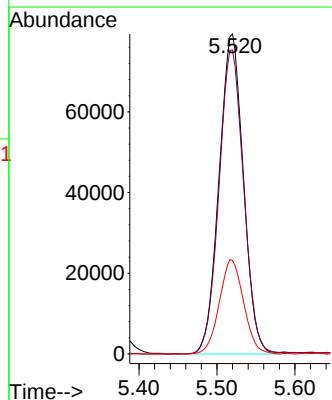
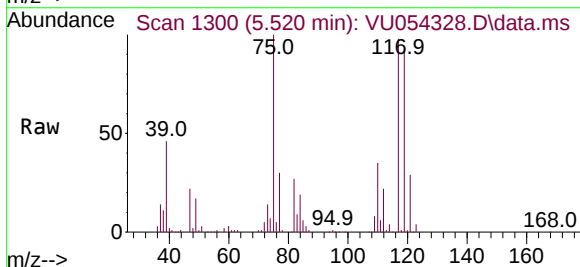
Tgt Ion: 117 Resp: 172080

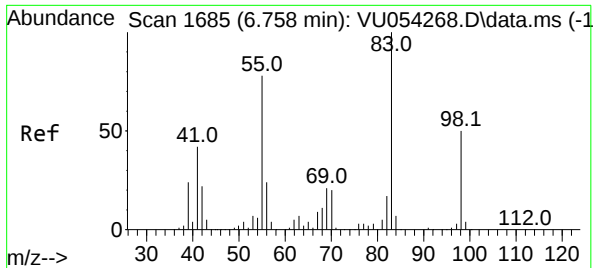
Ion Ratio Lower Upper

117 100

119 95.0 76.8 115.2

121 29.2 24.7 37.1

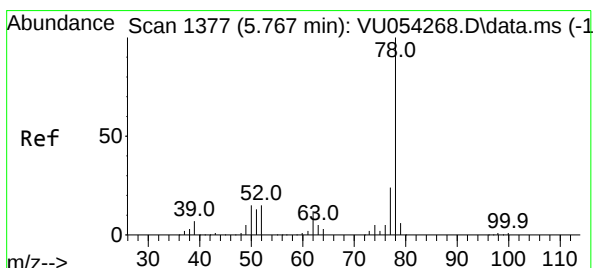
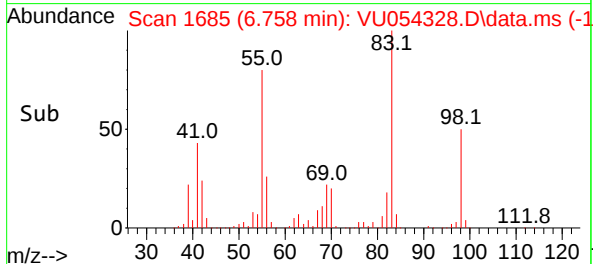
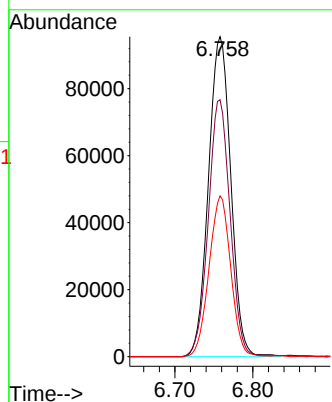
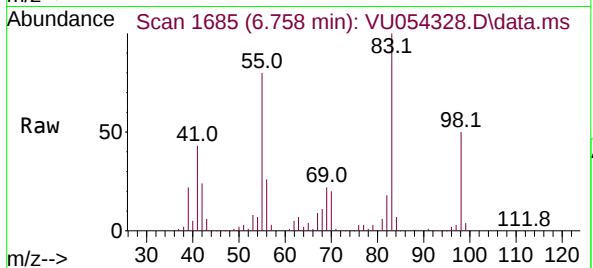




#39
Methylcyclohexane
Concen: 48.090 ug/l
RT: 6.758 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

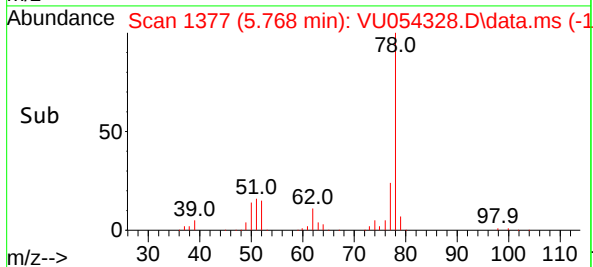
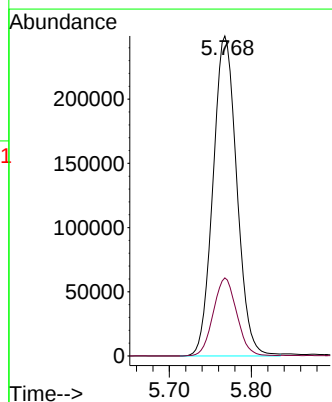
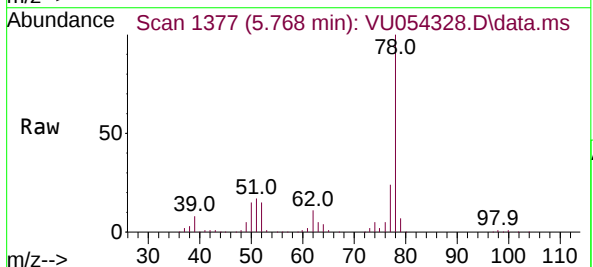
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

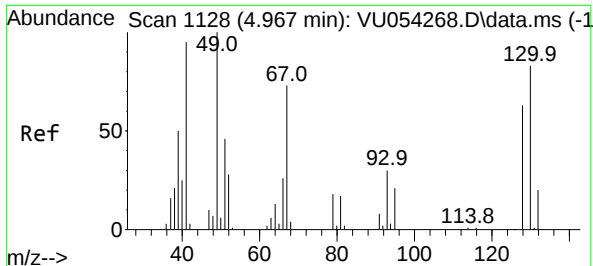
Tgt Ion: 83	Resp: 190437
Ion Ratio	Lower Upper
83 100	
55 80.3	55.3 82.9
98 50.2	37.3 55.9



#40
Benzene
Concen: 50.247 ug/l
RT: 5.768 min Scan# 1377
Delta R.T. 0.001 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion: 78	Resp: 501095
Ion Ratio	Lower Upper
78 100	
77 24.4	18.8 28.2



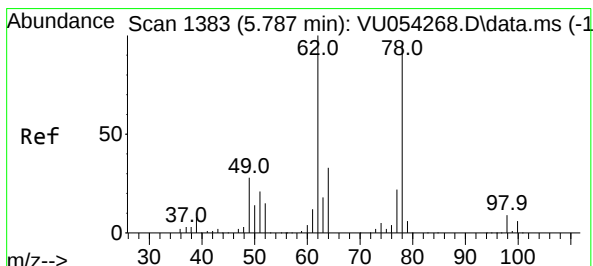
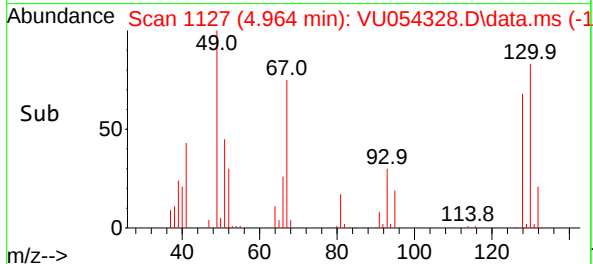
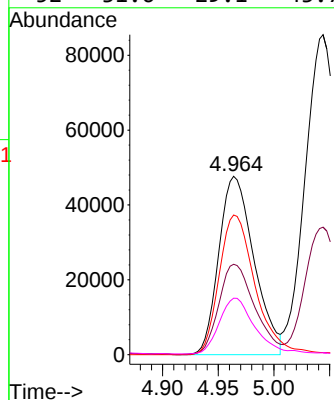
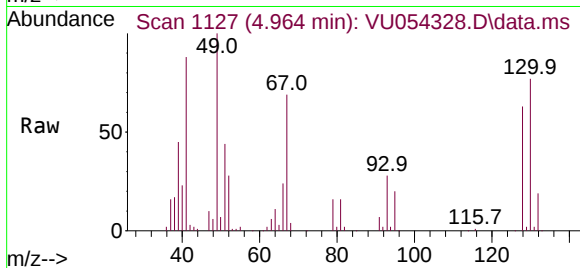


#41
Methacrylonitrile
Concen: 53.322 ug/l
RT: 4.964 min Scan# 1127
Delta R.T. -0.003 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 105005

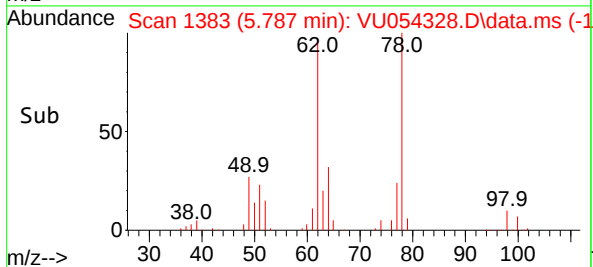
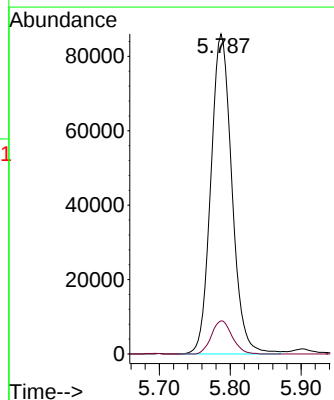
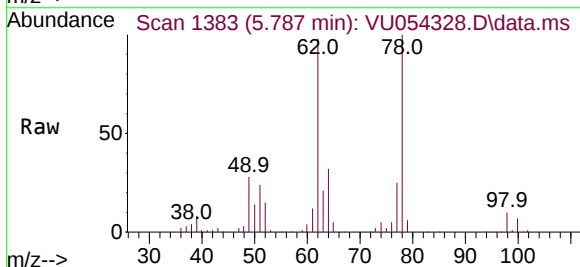
Ion	Ratio	Lower	Upper
41	100		
39	52.0	43.1	64.7
67	81.1	72.3	108.5
52	31.6	29.1	43.7

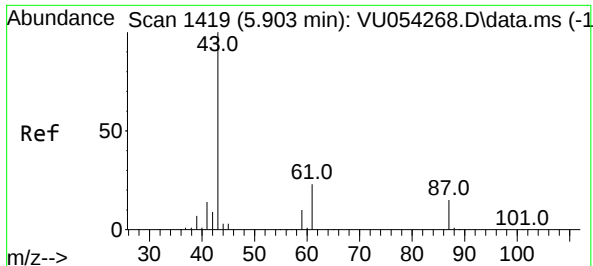


#42
1,2-Dichloroethane
Concen: 48.974 ug/l
RT: 5.787 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion: 62 Resp: 177420

Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	18.6





#43

Isopropyl Acetate

Concen: 51.098 ug/l

RT: 5.903 min Scan# 1419

Delta R.T. -0.000 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

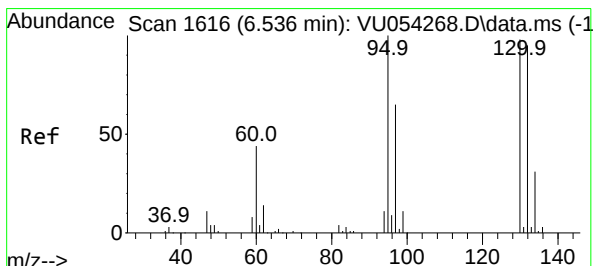
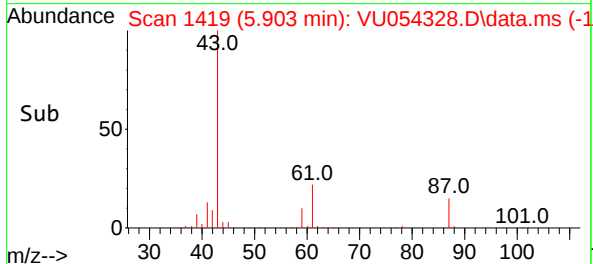
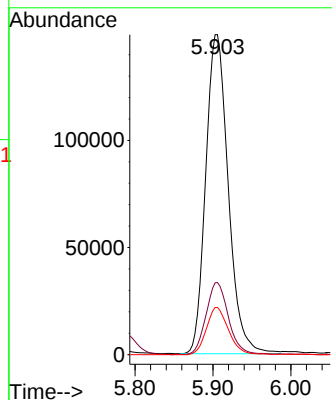
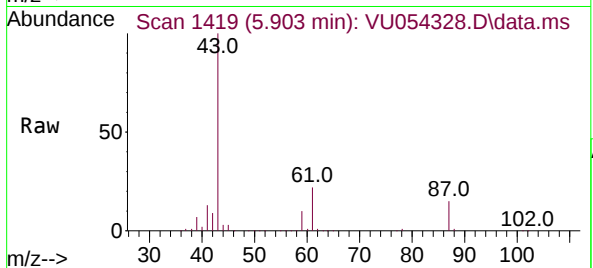
Tgt Ion: 43 Resp: 300318

Ion Ratio Lower Upper

43 100

61 22.6 17.4 26.0

87 14.5 12.6 18.8



#44

Trichloroethene

Concen: 48.452 ug/l

RT: 6.536 min Scan# 1616

Delta R.T. 0.000 min

Lab File: VU054328.D

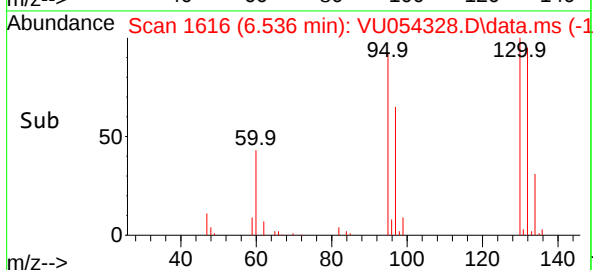
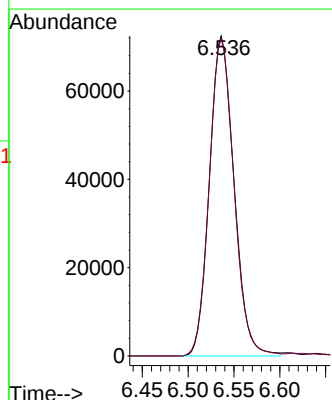
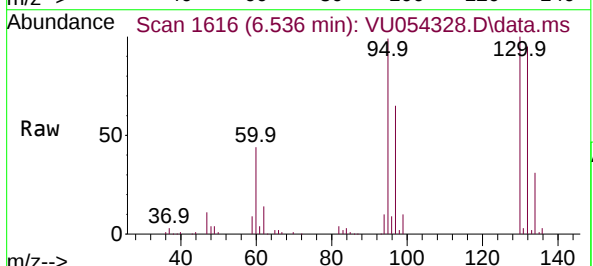
Acq: 30 May 2023 20:54

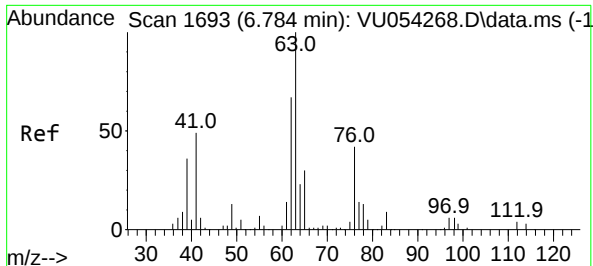
Tgt Ion:130 Resp: 135071

Ion Ratio Lower Upper

130 100

95 99.0 0.0 184.6





#45

1,2-Dichloropropane

Concen: 51.712 ug/l

RT: 6.784 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

Instrument :

MSVOA_U

ClientSampleId :

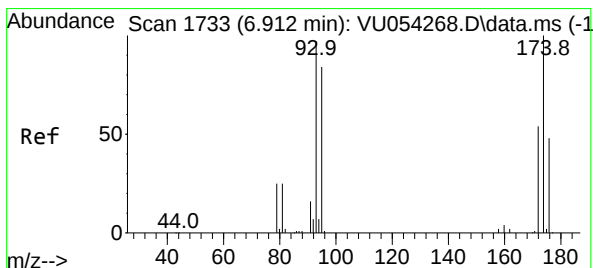
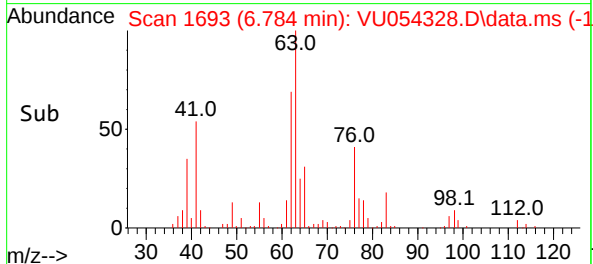
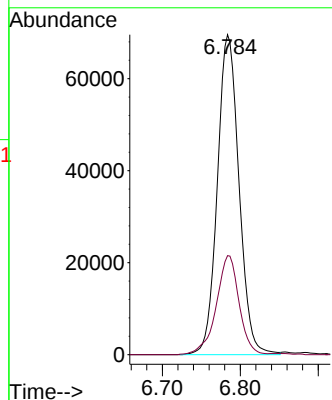
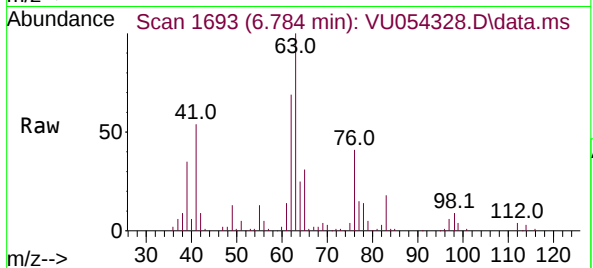
VSTDCCC050EC

Tgt Ion: 63 Resp: 134533

Ion Ratio Lower Upper

63 100

65 30.8 25.0 37.4



#46

Dibromomethane

Concen: 49.460 ug/l

RT: 6.912 min Scan# 1733

Delta R.T. 0.000 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

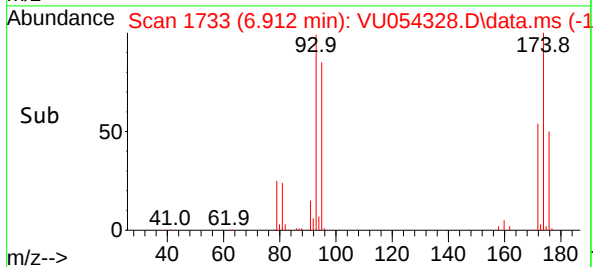
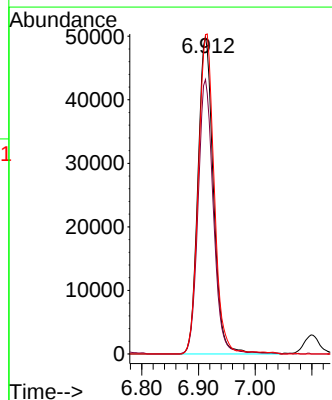
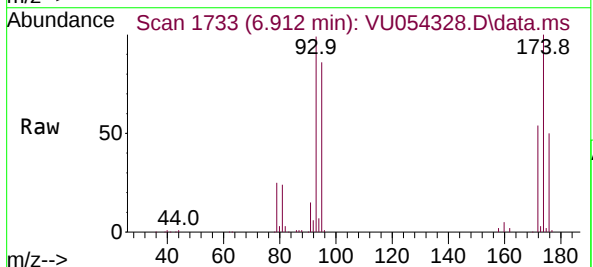
Tgt Ion: 93 Resp: 94716

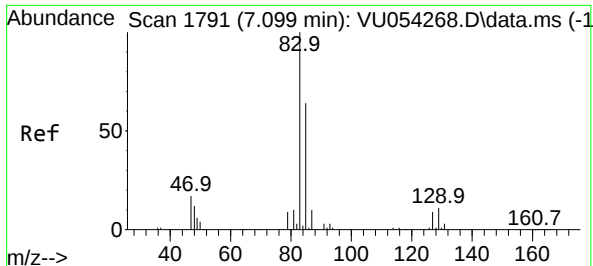
Ion Ratio Lower Upper

93 100

95 85.1 66.3 99.5

174 102.2 88.2 132.4





#47

Bromodichloromethane

Concen: 50.310 ug/l

RT: 7.099 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

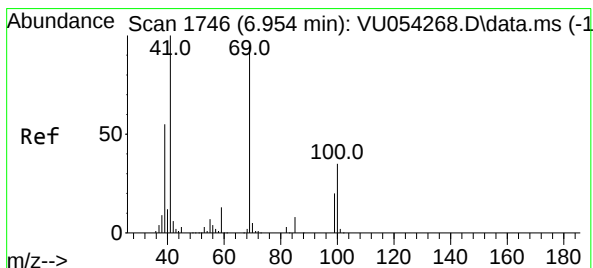
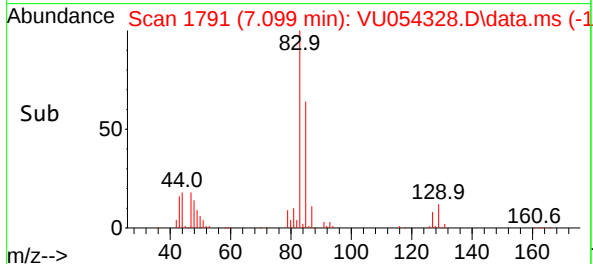
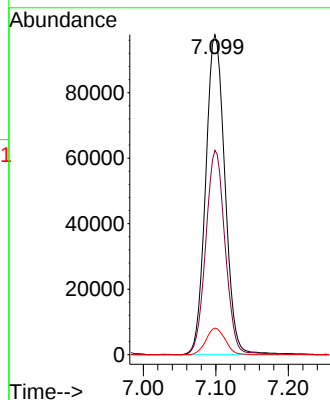
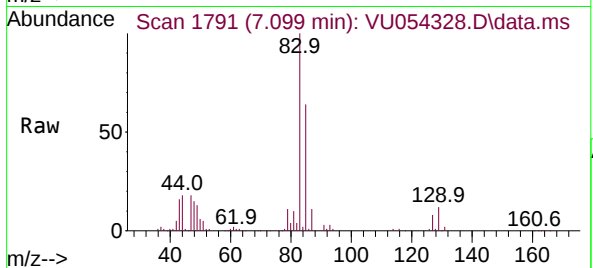
Tgt Ion: 83 Resp: 180176

Ion Ratio Lower Upper

83 100

85 63.9 51.4 77.2

127 8.3 7.1 10.7



#48

Methyl methacrylate

Concen: 52.005 ug/l

RT: 6.954 min Scan# 1746

Delta R.T. 0.000 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

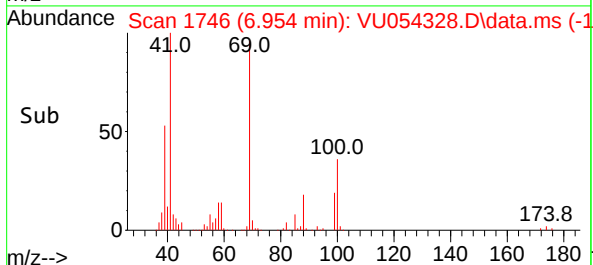
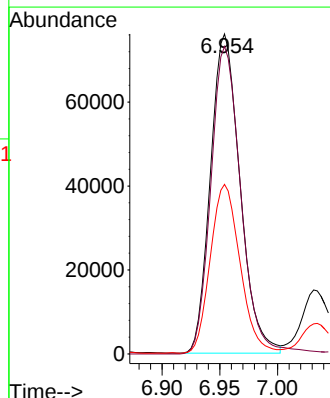
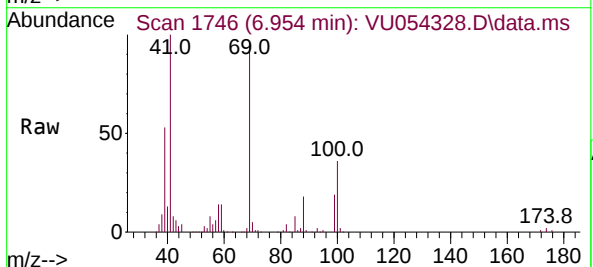
Tgt Ion: 41 Resp: 135546

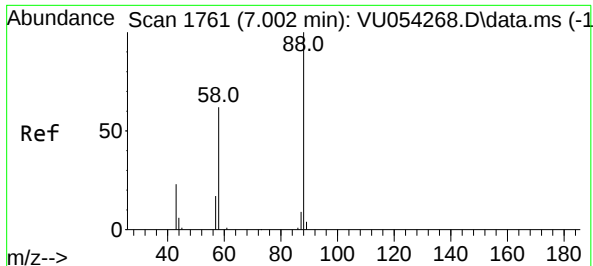
Ion Ratio Lower Upper

41 100

69 98.2 79.8 119.6

39 52.9 47.9 71.9





#49

1,4-Dioxane

Concen: 1052.115 ug/l

RT: 6.973 min Scan# 1761

Delta R.T. -0.029 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

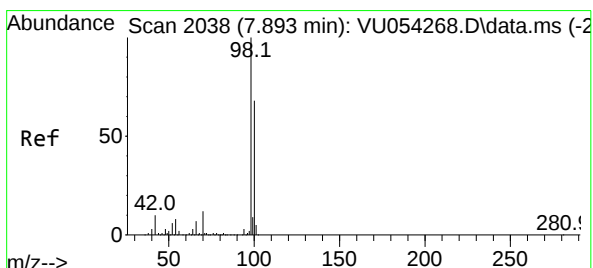
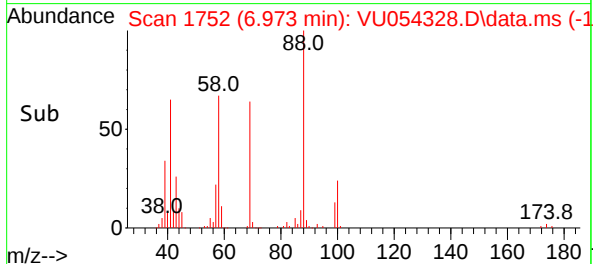
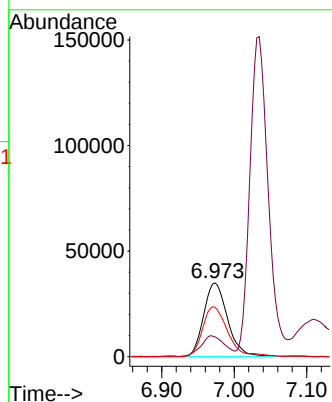
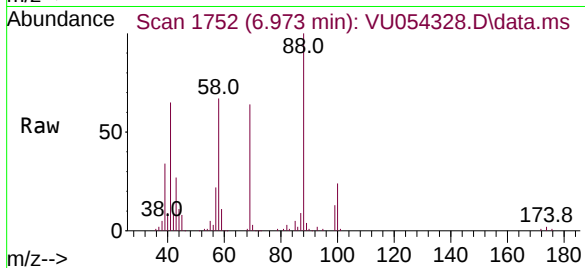
Tgt Ion: 88 Resp: 79167

Ion Ratio Lower Upper

88 100

43 28.9 0.0 0.0#

58 69.4 15.4 23.0#



#50

Toluene-d8

Concen: 52.815 ug/l

RT: 7.893 min Scan# 2038

Delta R.T. -0.000 min

Lab File: VU054328.D

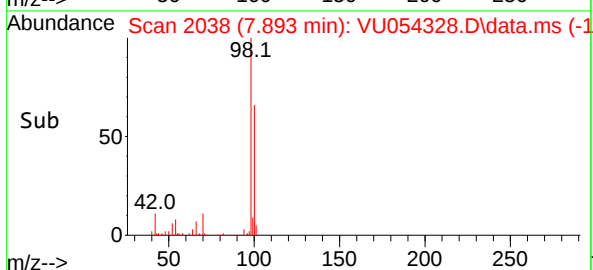
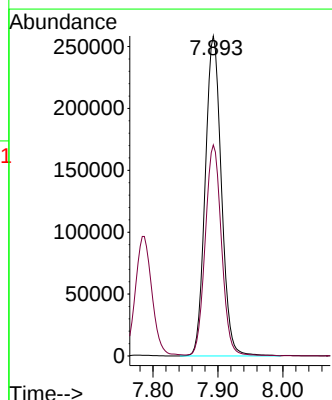
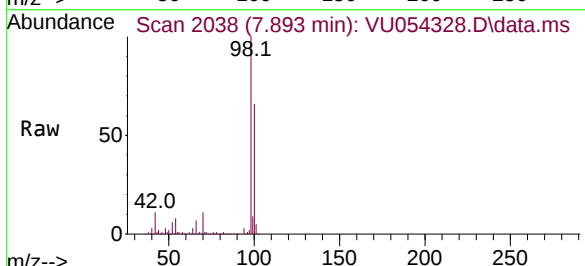
Acq: 30 May 2023 20:54

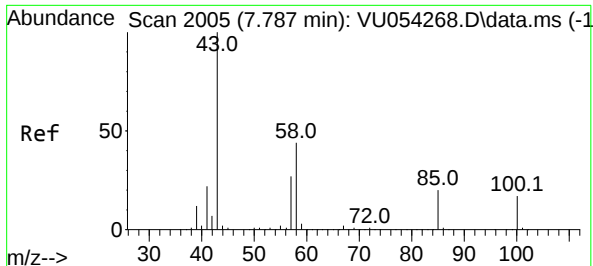
Tgt Ion: 98 Resp: 447172

Ion Ratio Lower Upper

98 100

100 66.4 51.7 77.5

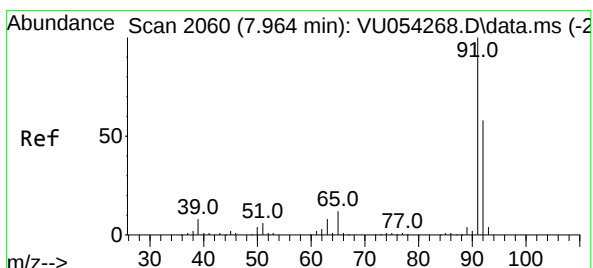
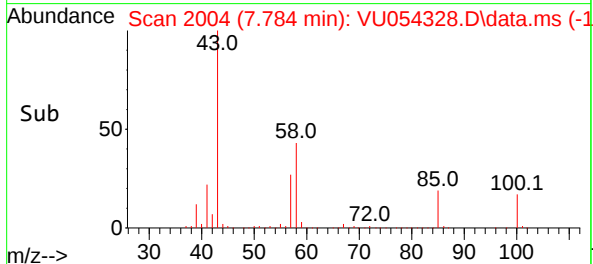
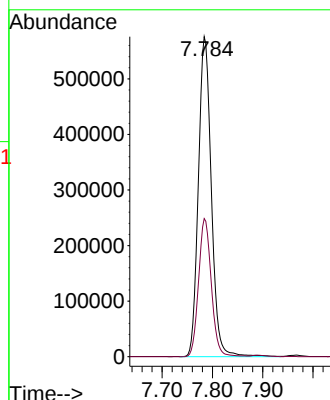
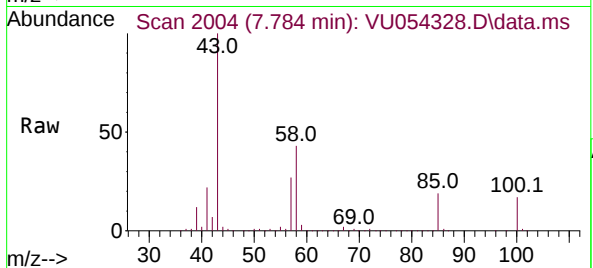




#51
4-Methyl-2-Pentanone
Concen: 263.035 ug/l
RT: 7.784 min Scan# 2004
Delta R.T. -0.003 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

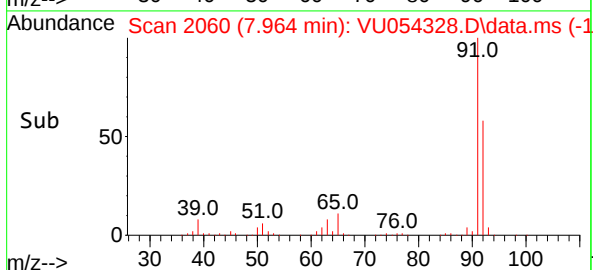
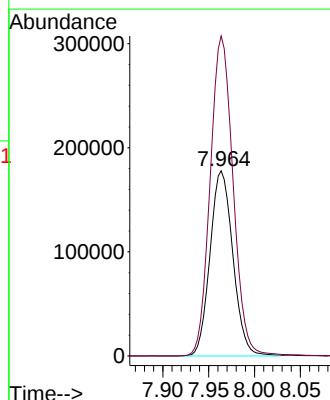
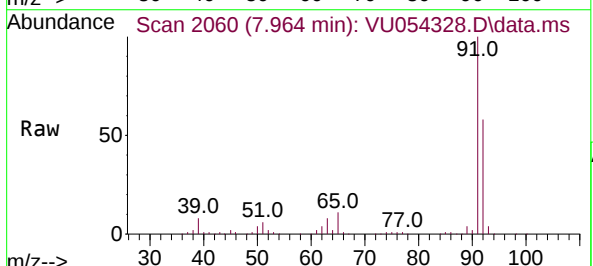
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

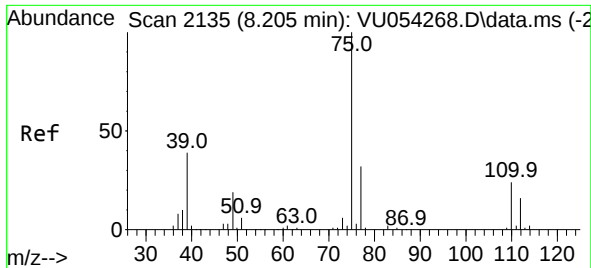
Tgt Ion: 43 Resp: 1031665
Ion Ratio Lower Upper
43 100
58 42.5 34.7 52.1



#52
Toluene
Concen: 48.572 ug/l
RT: 7.964 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion: 92 Resp: 308863
Ion Ratio Lower Upper
92 100
91 173.4 138.2 207.4

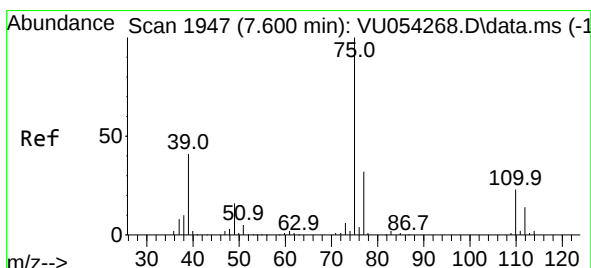
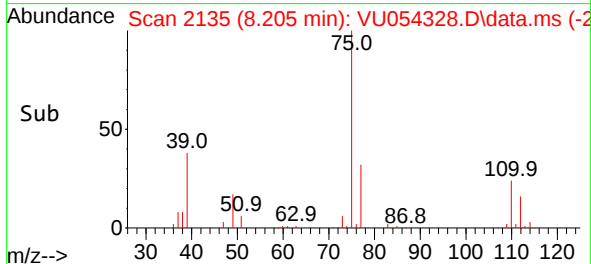
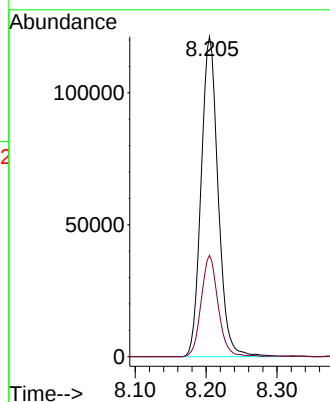
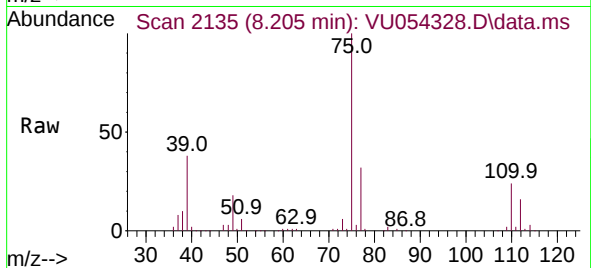




#53
 t-1,3-Dichloropropene
 Concen: 49.354 ug/l
 RT: 8.205 min Scan# 2135
 Delta R.T. -0.000 min
 Lab File: VU054328.D
 Acq: 30 May 2023 20:54

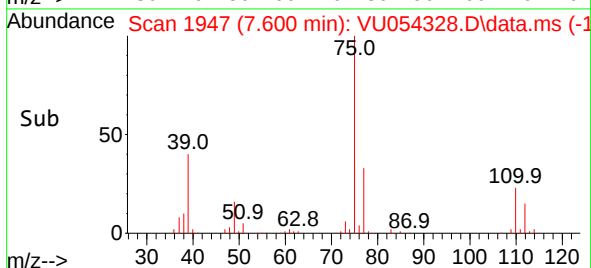
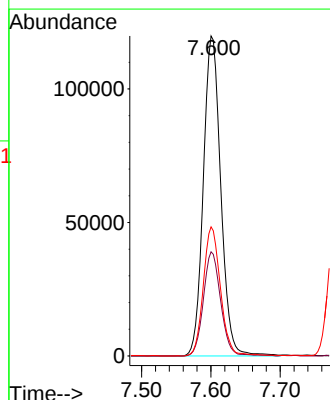
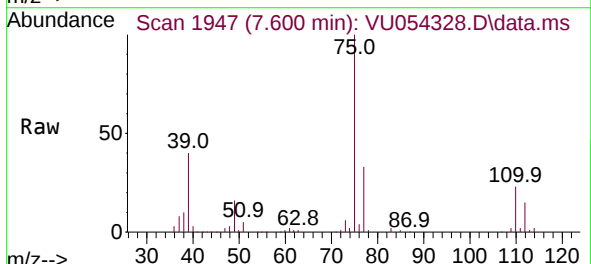
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

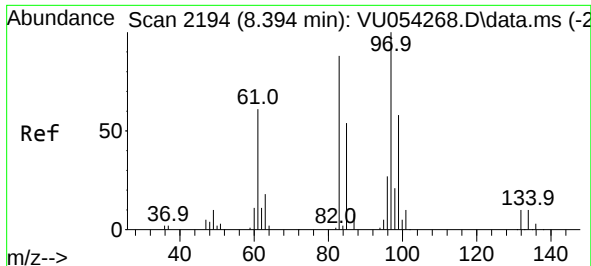
Tgt Ion: 75 Resp: 202221
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 49.133 ug/l
 RT: 7.600 min Scan# 1947
 Delta R.T. 0.000 min
 Lab File: VU054328.D
 Acq: 30 May 2023 20:54

Tgt Ion: 75 Resp: 210092
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.7 38.5
 39 40.3 33.0 49.6

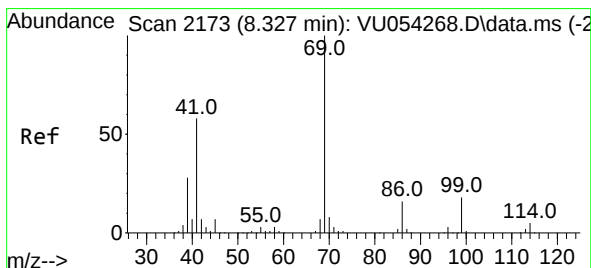
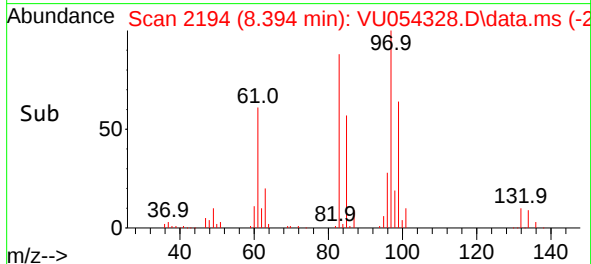
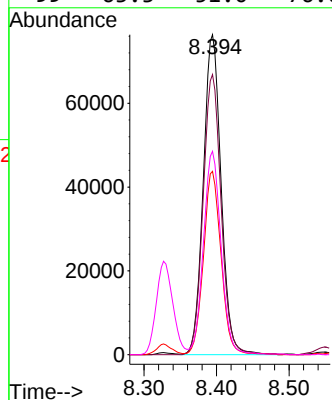
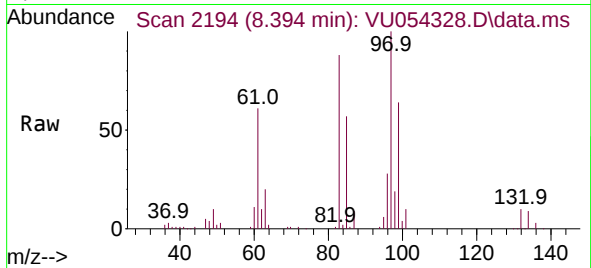




#55
1,1,2-Trichloroethane
Concen: 49.418 ug/l
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

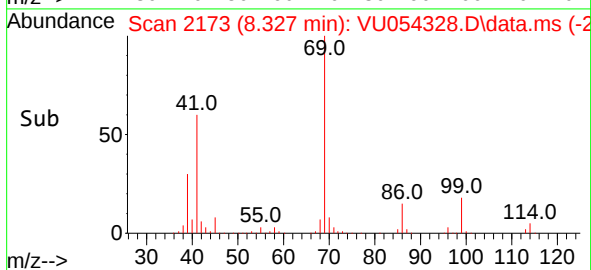
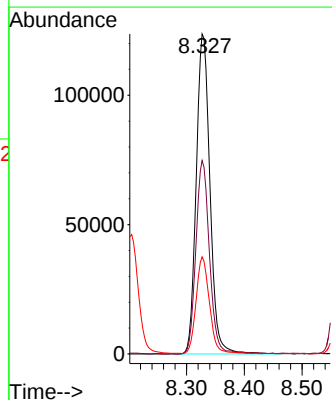
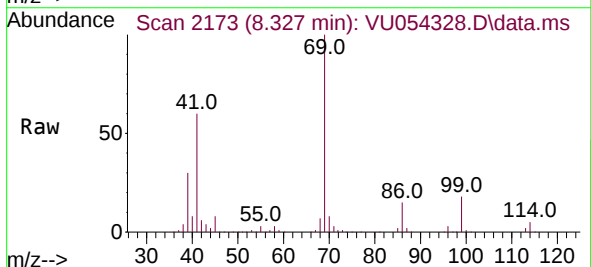
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

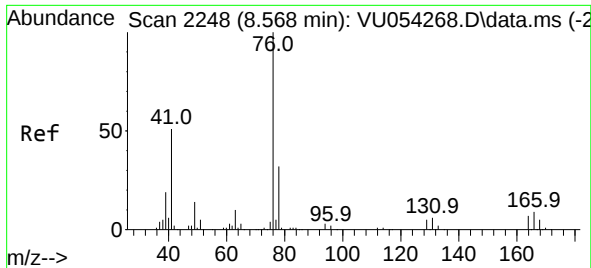
Tgt Ion:	97	Resp:	130230
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.2	105.4
85	57.3	44.6	66.8
99	63.3	51.0	76.6



#56
Ethyl methacrylate
Concen: 51.955 ug/l
RT: 8.327 min Scan# 2173
Delta R.T. -0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion:	69	Resp:	203804
Ion	Ratio	Lower	Upper
69	100		
41	59.8	45.4	68.0
39	29.3	25.7	38.5

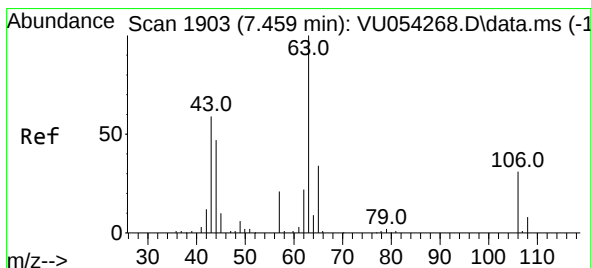
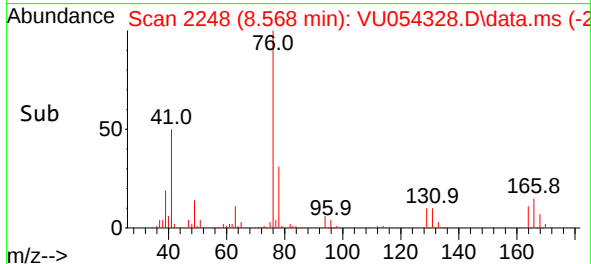
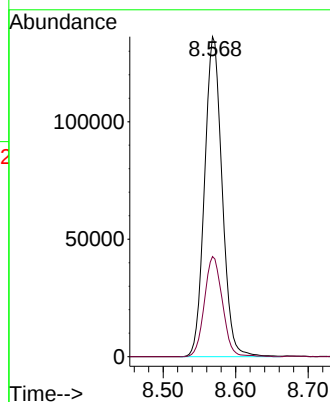
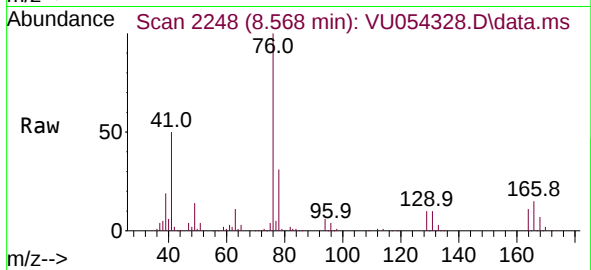




#57
1,3-Dichloropropane
Concen: 50.495 ug/l
RT: 8.568 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

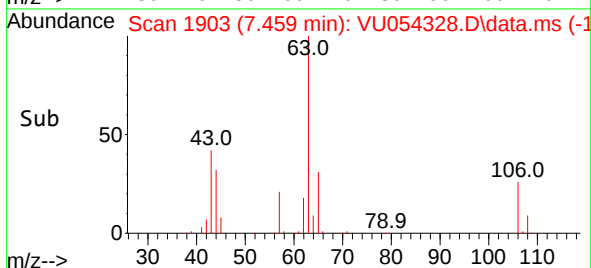
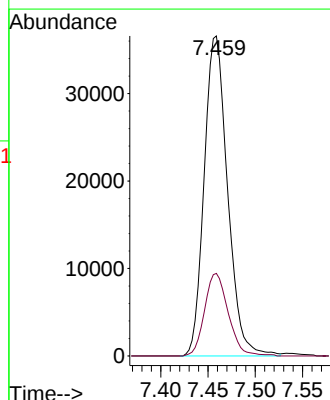
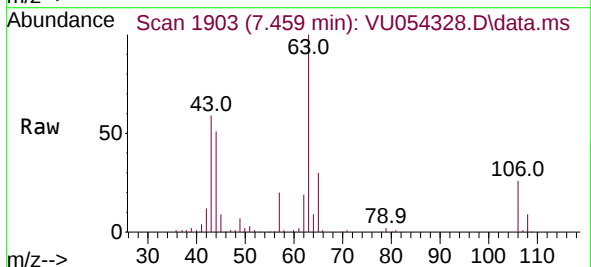
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

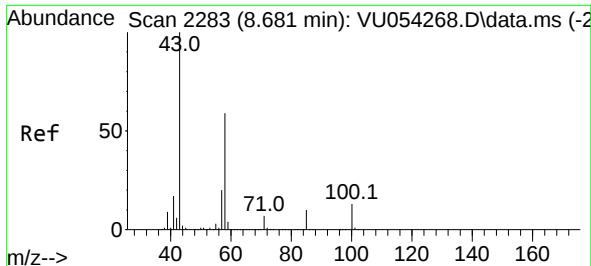
Tgt Ion: 76 Resp: 229160
Ion Ratio Lower Upper
76 100
78 32.1 26.1 39.1



#58
2-Chloroethyl Vinyl ether
Concen: 250.900 ug/l
RT: 7.459 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion: 63 Resp: 63102
Ion Ratio Lower Upper
63 100
106 26.1 23.1 34.7





#59

2-Hexanone

Concen: 259.414 ug/l

RT: 8.677 min Scan# 21

Delta R.T. -0.004 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

Instrument :

MSVOA_U

ClientSampleId :

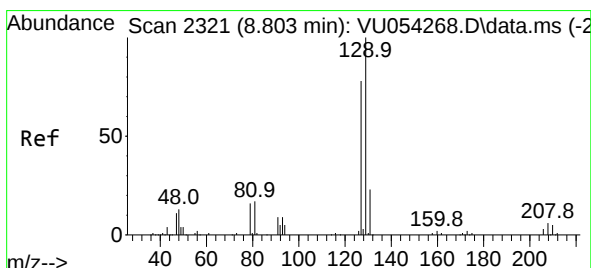
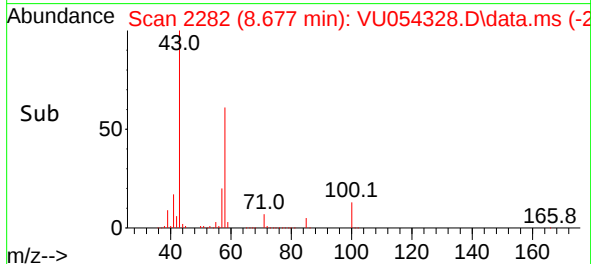
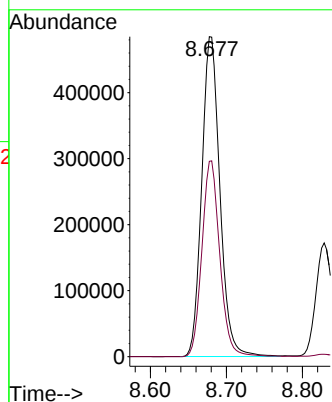
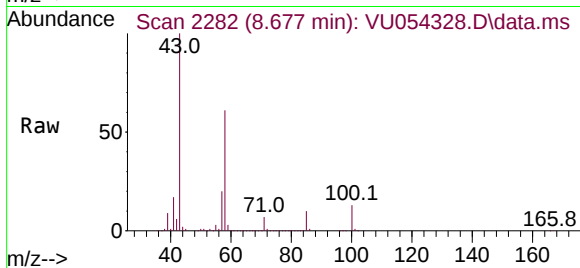
VSTDCCC050EC

Tgt Ion: 43 Resp: 803747

Ion Ratio Lower Upper

43 100

58 60.5 30.3 90.8



#60

Dibromochloromethane

Concen: 50.653 ug/l

RT: 8.803 min Scan# 2321

Delta R.T. -0.000 min

Lab File: VU054328.D

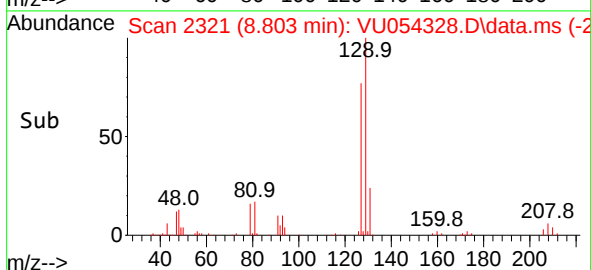
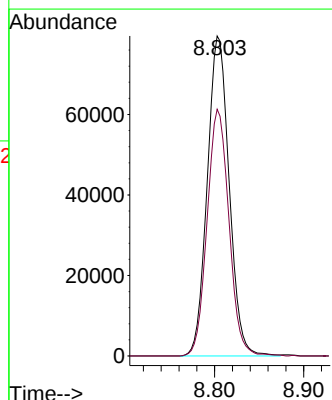
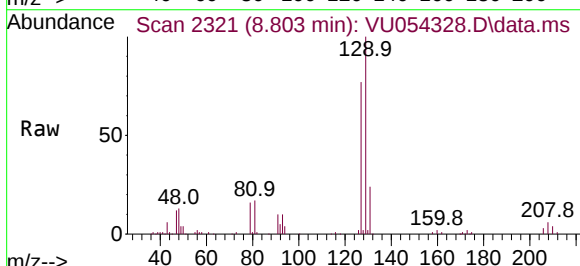
Acq: 30 May 2023 20:54

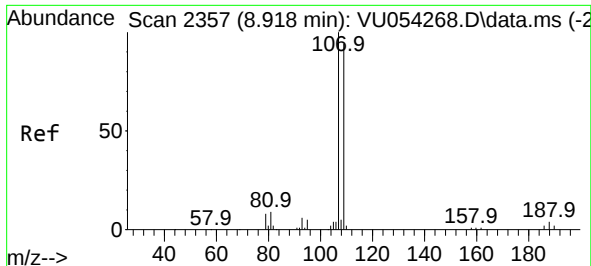
Tgt Ion:129 Resp: 135619

Ion Ratio Lower Upper

129 100

127 76.9 38.6 116.0

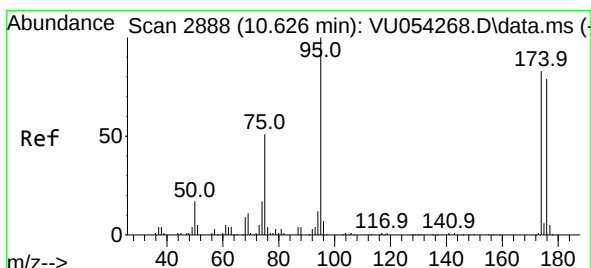
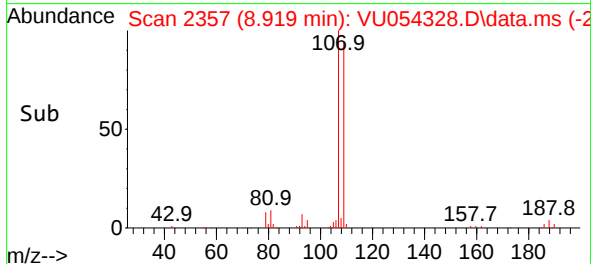
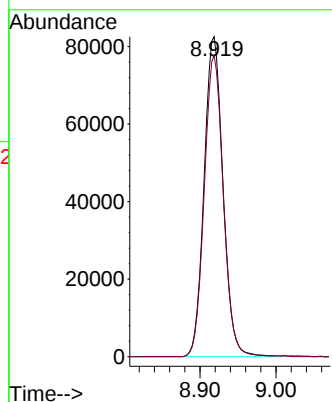
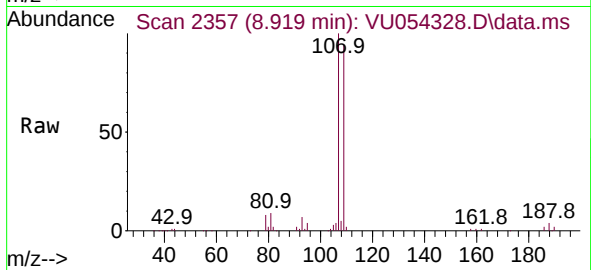




#61
1,2-Dibromoethane
Concen: 49.820 ug/l
RT: 8.919 min Scan# 21
Delta R.T. 0.001 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

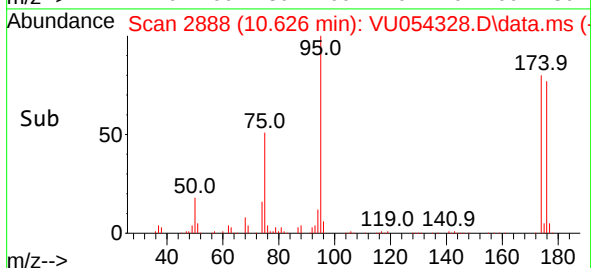
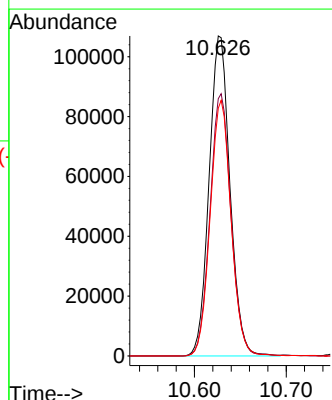
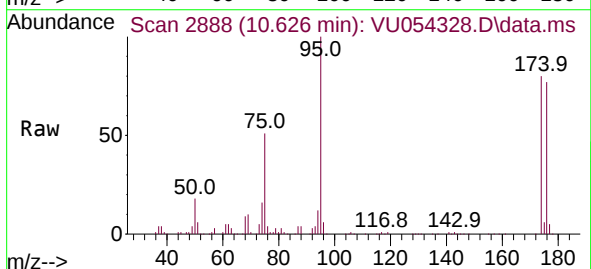
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

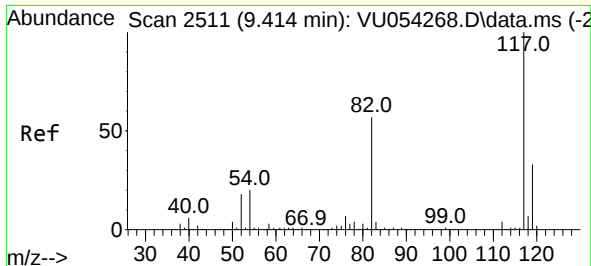
Tgt Ion:107 Resp: 142887
Ion Ratio Lower Upper
107 100
109 94.5 75.1 112.7



#62
4-Bromofluorobenzene
Concen: 51.585 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. -0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion: 95 Resp: 169353
Ion Ratio Lower Upper
95 100
174 82.7 0.0 182.0
176 79.8 0.0 177.8

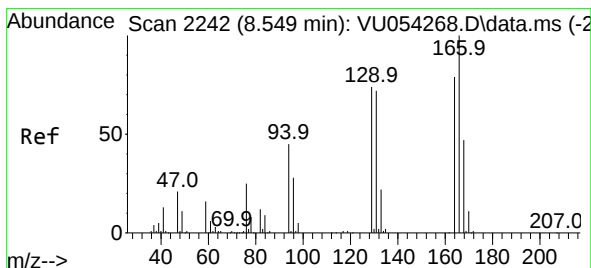
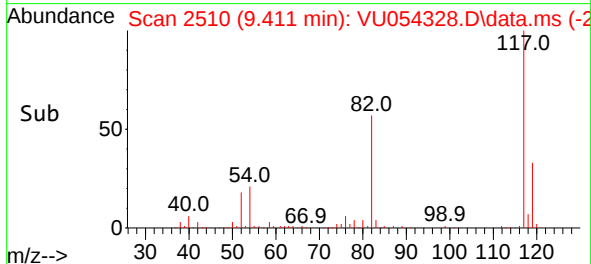
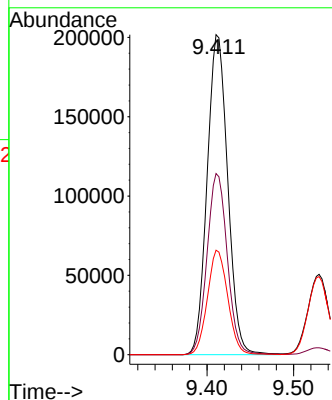
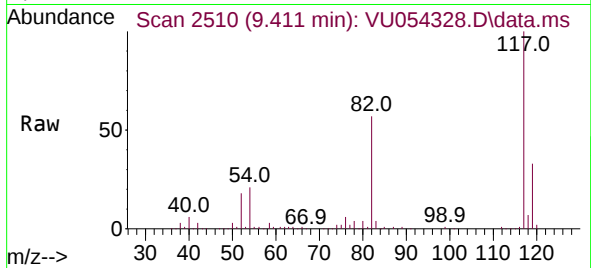




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.411 min Scan# 2511
Delta R.T. -0.003 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

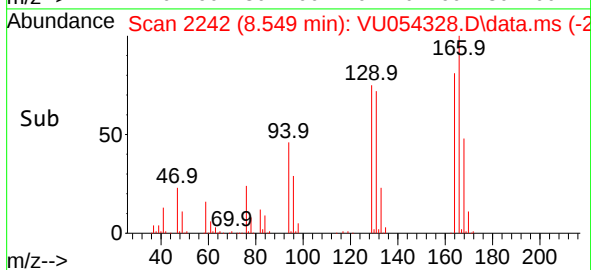
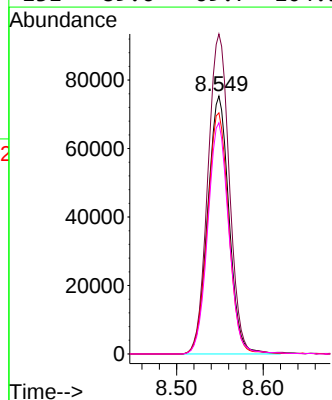
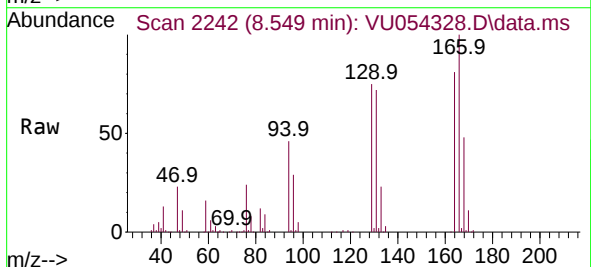
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

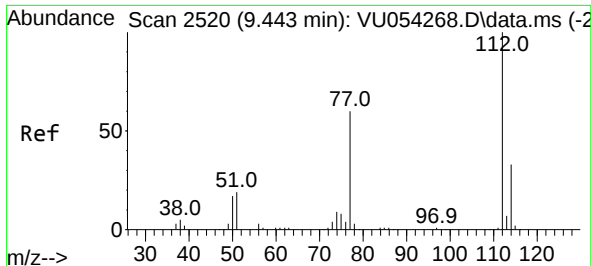
Tgt Ion:117 Resp: 333090
Ion Ratio Lower Upper
117 100
82 56.6 41.7 62.5
119 32.6 25.7 38.5



#64
Tetrachloroethene
Concen: 51.348 ug/l
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion:164 Resp: 128726
Ion Ratio Lower Upper
164 100
166 124.1 100.0 150.0
129 93.5 72.0 108.0
131 89.6 69.7 104.5

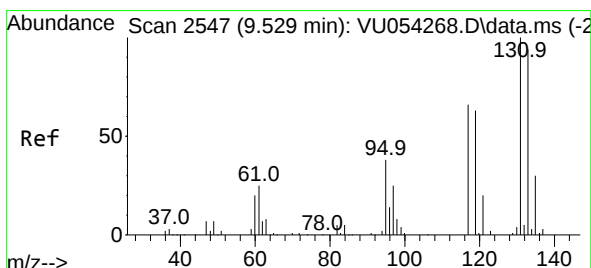
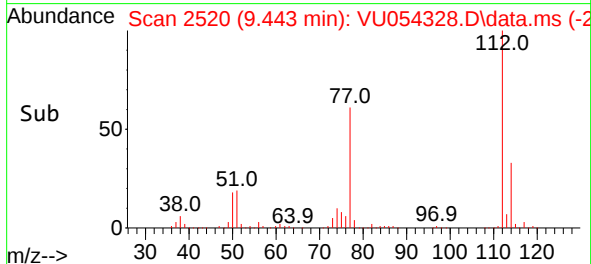
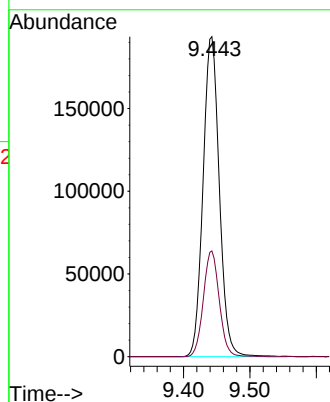
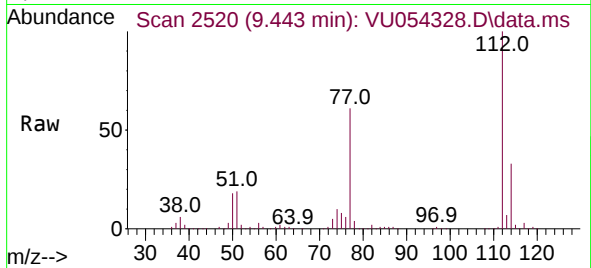




#65
Chlorobenzene
Concen: 47.429 ug/l
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

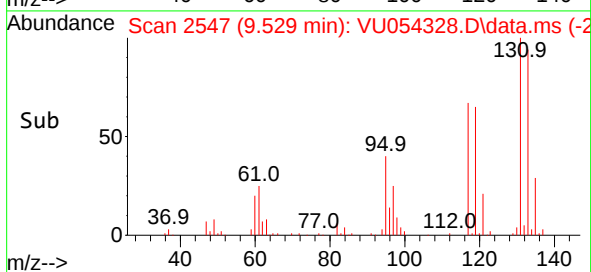
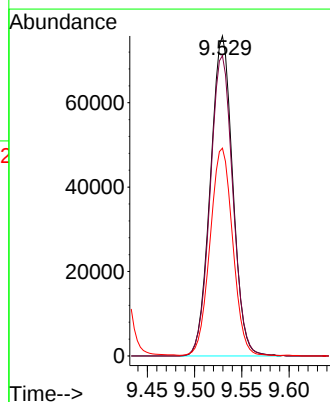
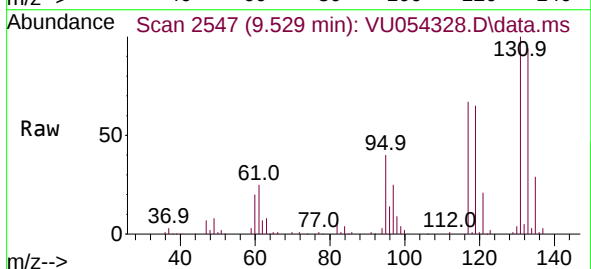
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

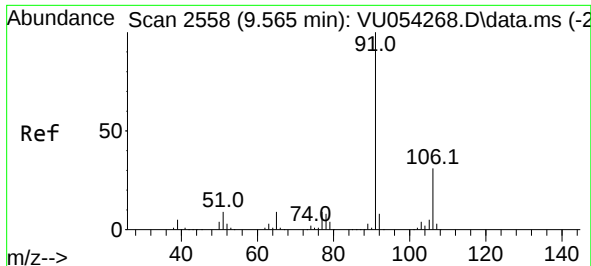
Tgt Ion:112 Resp: 330266
Ion Ratio Lower Upper
112 100
114 33.1 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.351 ug/l
RT: 9.529 min Scan# 2547
Delta R.T. 0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion:131 Resp: 124669
Ion Ratio Lower Upper
131 100
133 95.6 48.4 145.0
119 65.6 33.9 101.6





#67

Ethyl Benzene

Concen: 49.902 ug/l

RT: 9.565 min Scan# 2558

Delta R.T. -0.000 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

Instrument :

MSVOA_U

ClientSampleId :

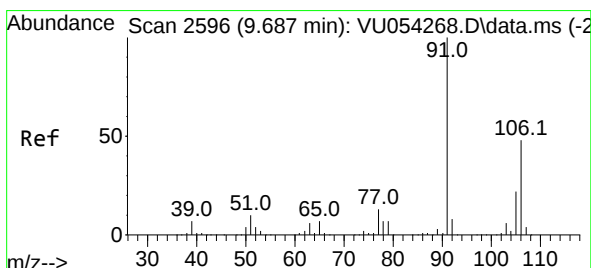
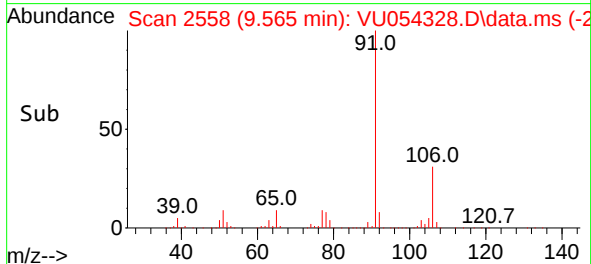
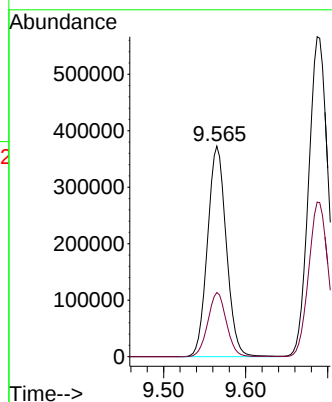
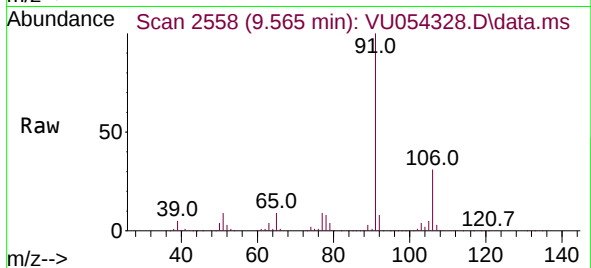
VSTDCCC050EC

Tgt Ion: 91 Resp: 594081

Ion Ratio Lower Upper

91 100

106 30.5 25.6 38.4



#68

m/p-Xylenes

Concen: 102.266 ug/l

RT: 9.687 min Scan# 2596

Delta R.T. 0.000 min

Lab File: VU054328.D

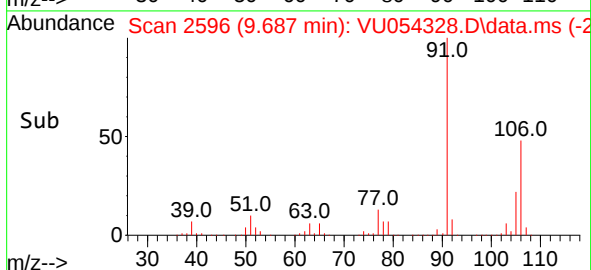
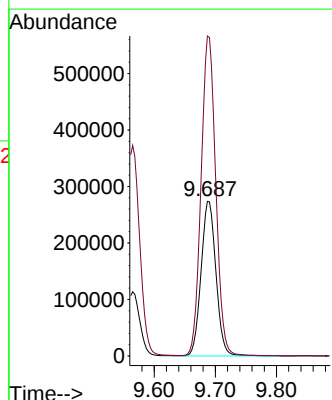
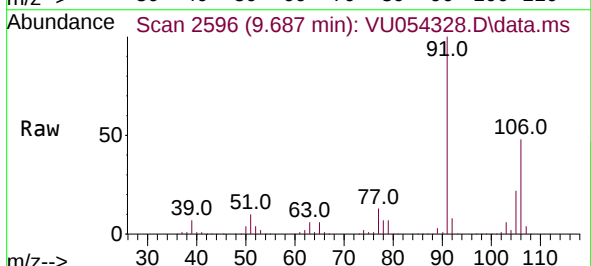
Acq: 30 May 2023 20:54

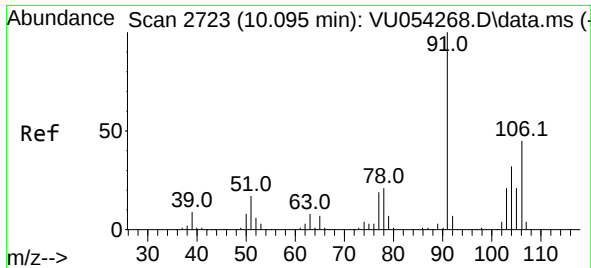
Tgt Ion:106 Resp: 461479

Ion Ratio Lower Upper

106 100

91 204.7 157.2 235.8

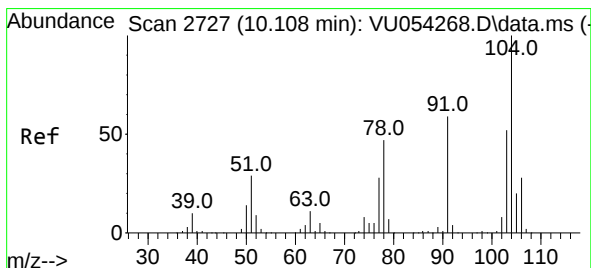
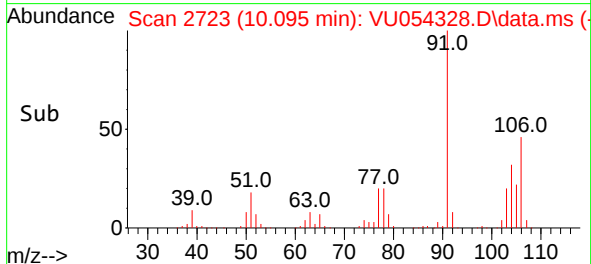
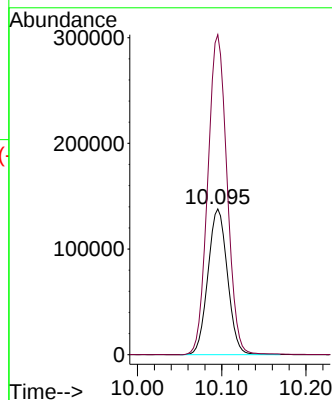
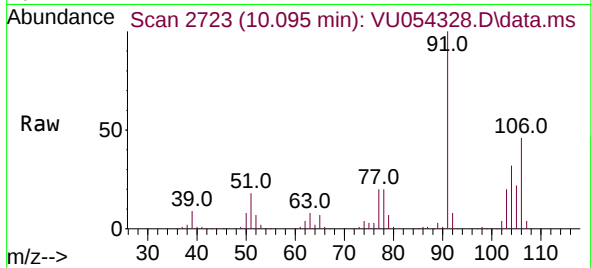




#69
o-Xylene
Concen: 50.937 ug/l
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

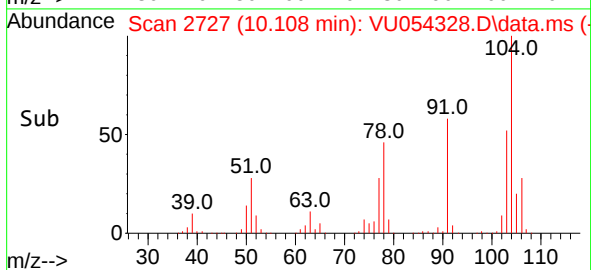
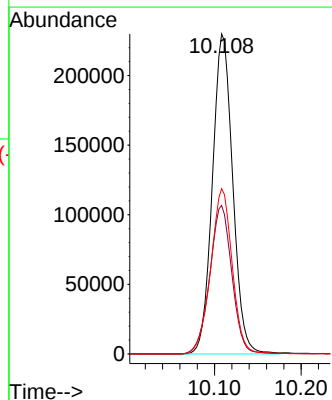
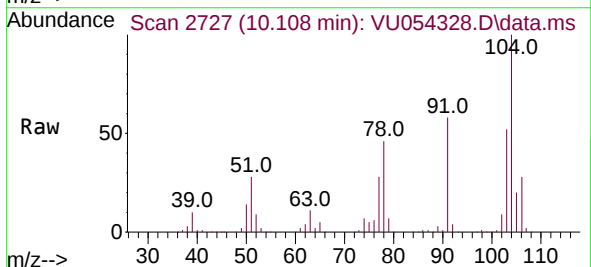
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

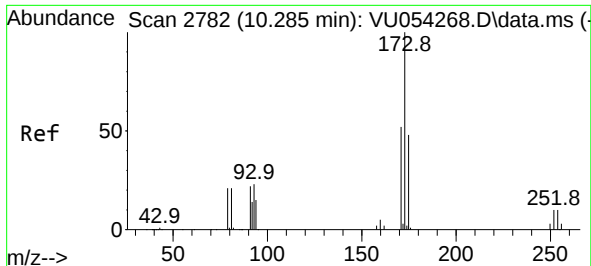
Tgt Ion:106 Resp: 222506
Ion Ratio Lower Upper
106 100
91 217.3 103.5 310.5



#70
Styrene
Concen: 51.803 ug/l
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion:104 Resp: 375273
Ion Ratio Lower Upper
104 100
78 50.4 38.0 57.0
103 54.6 43.9 65.9

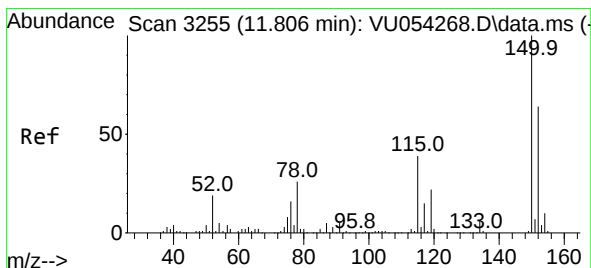
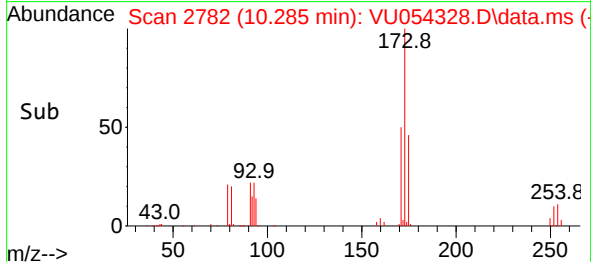
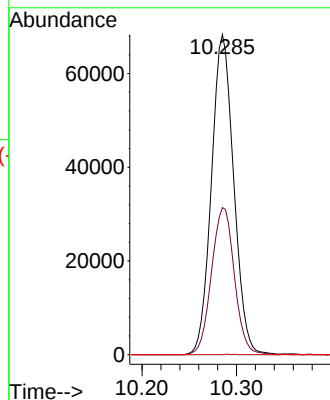
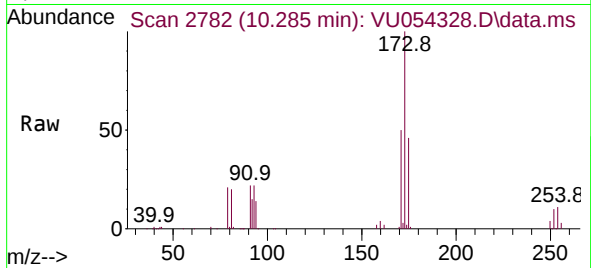




#71
Bromoform
Concen: 50.981 ug/l
RT: 10.285 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

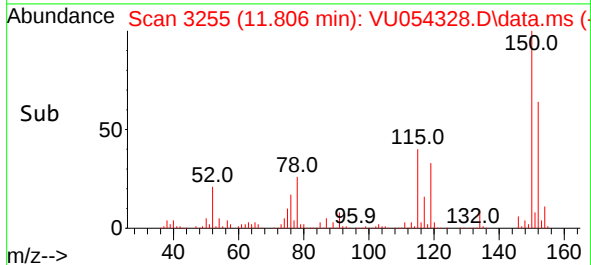
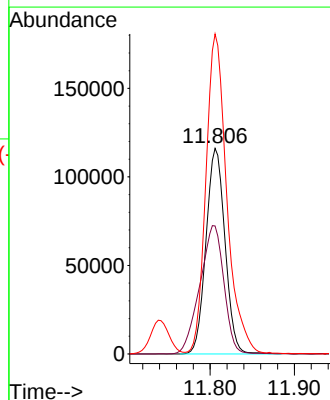
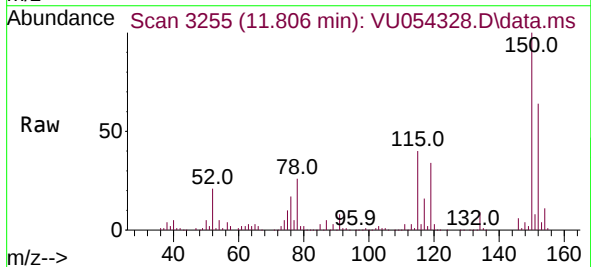
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

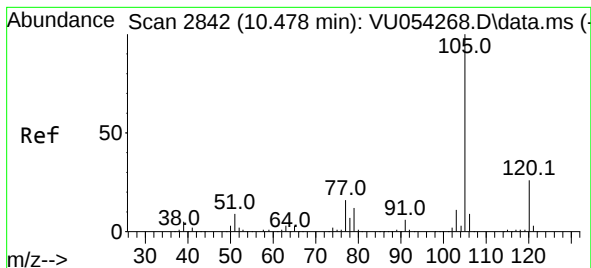
Tgt Ion:173 Resp: 111915
Ion Ratio Lower Upper
173 100
175 47.1 24.1 72.2
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 3255
Delta R.T. -0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion:152 Resp: 182383
Ion Ratio Lower Upper
152 100
115 78.9 37.0 110.9
150 169.9 0.0 342.2





#73

Isopropylbenzene

Concen: 51.042 ug/l

RT: 10.478 min Scan# 2842

Delta R.T. -0.000 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

Instrument :

MSVOA_U

ClientSampleId :

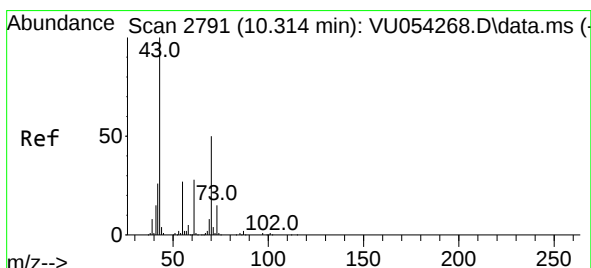
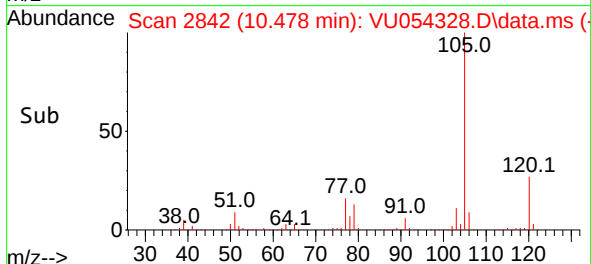
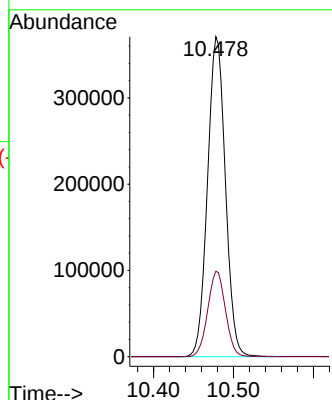
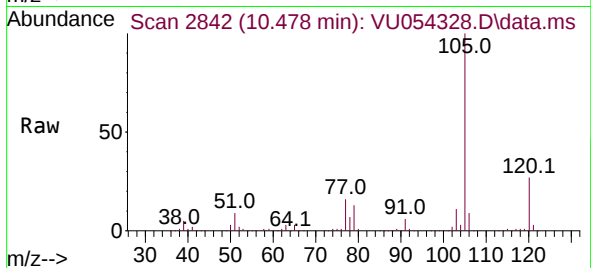
VSTDCCC050EC

Tgt Ion:105 Resp: 576533

Ion Ratio Lower Upper

105 100

120 26.5 13.8 41.4



#74

N-ethyl acetate

Concen: 51.286 ug/l

RT: 10.314 min Scan# 2791

Delta R.T. 0.000 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

Tgt Ion: 43 Resp: 245973

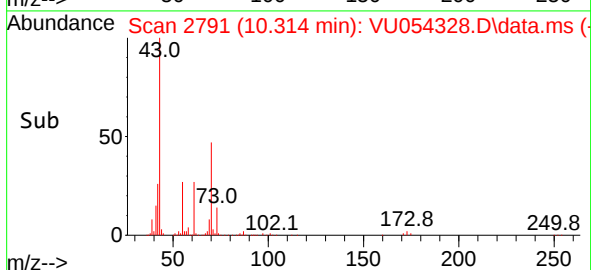
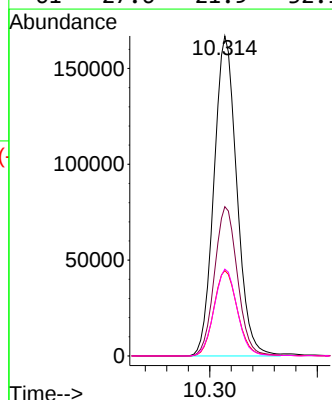
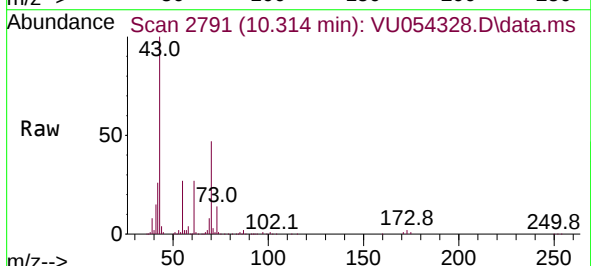
Ion Ratio Lower Upper

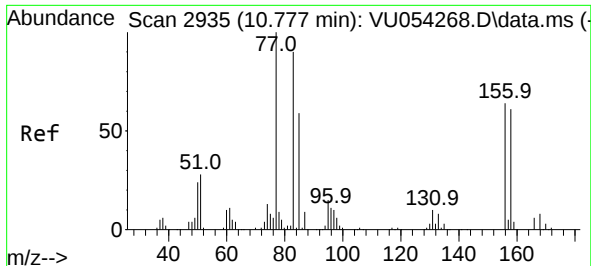
43 100

70 47.2 38.7 58.1

55 27.7 21.8 32.8

61 27.6 21.9 32.9

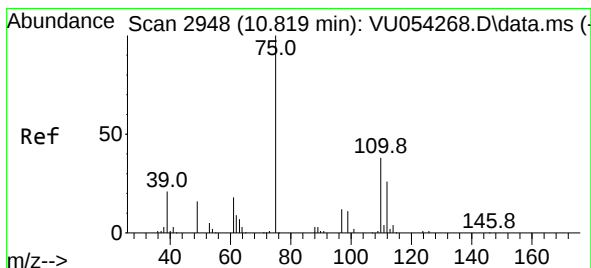
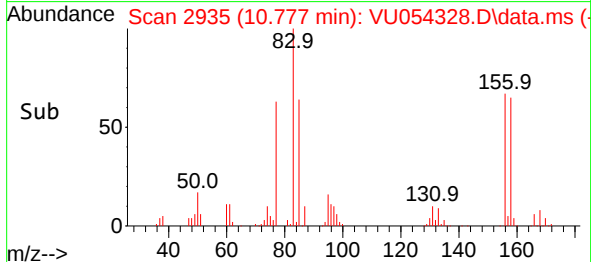
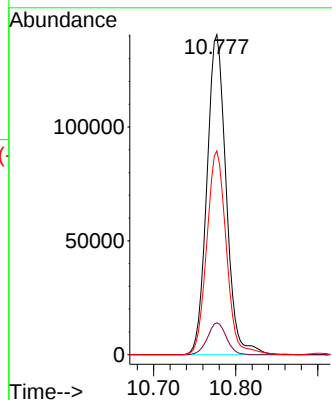
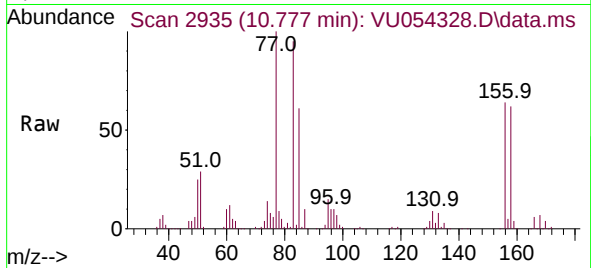




#75
1,1,2,2-Tetrachloroethane
Concen: 50.074 ug/l
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

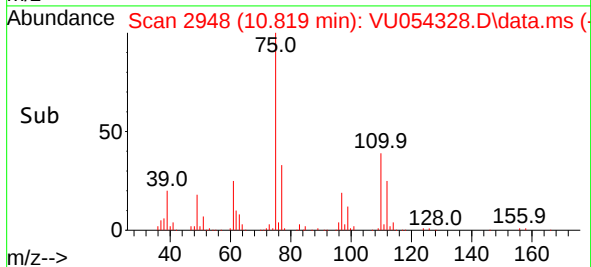
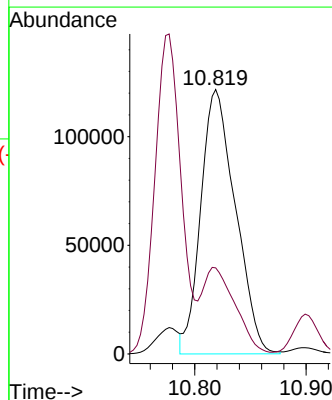
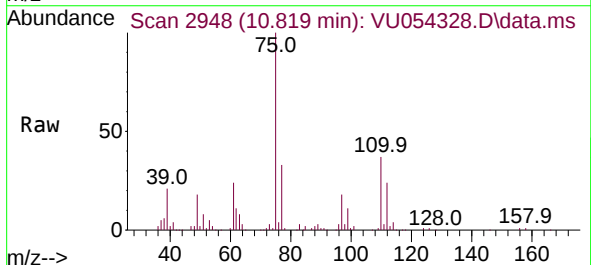
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

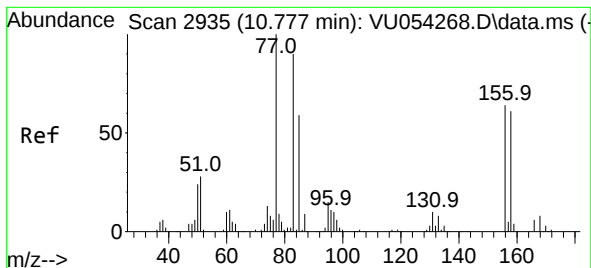
Tgt Ion: 83 Resp: 228859
Ion Ratio Lower Upper
83 100
131 9.8 5.1 15.4
85 64.8 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 49.330 ug/l
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion: 75 Resp: 262582
Ion Ratio Lower Upper
75 100
77 30.2 15.8 47.3





#77

Bromobenzene

Concen: 48.206 ug/l

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

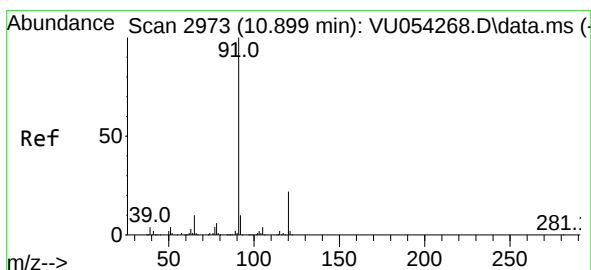
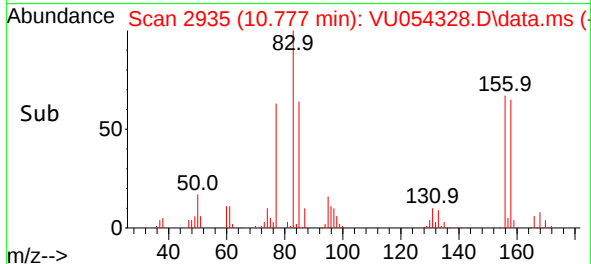
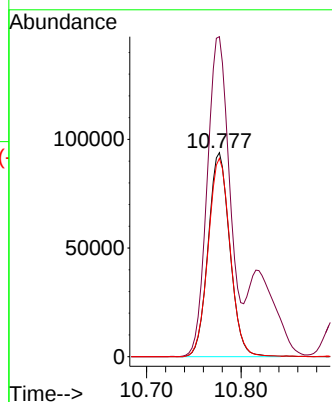
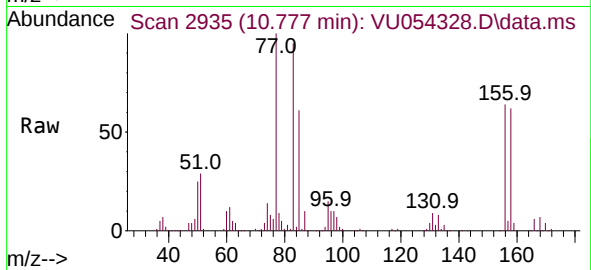
Tgt Ion:156 Resp: 149522

Ion Ratio Lower Upper

156 100

77 163.6 71.9 215.6

158 98.9 48.9 146.8



#78

n-propylbenzene

Concen: 50.936 ug/l

RT: 10.899 min Scan# 2973

Delta R.T. 0.000 min

Lab File: VU054328.D

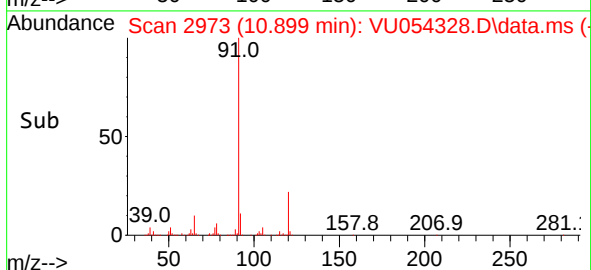
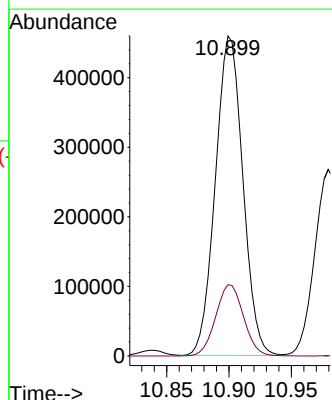
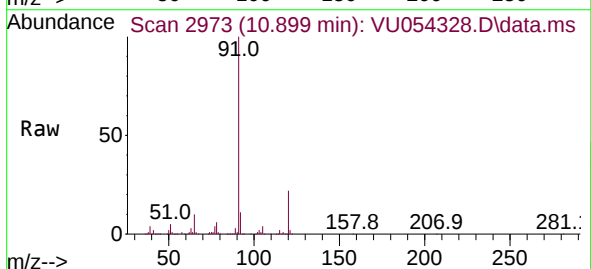
Acq: 30 May 2023 20:54

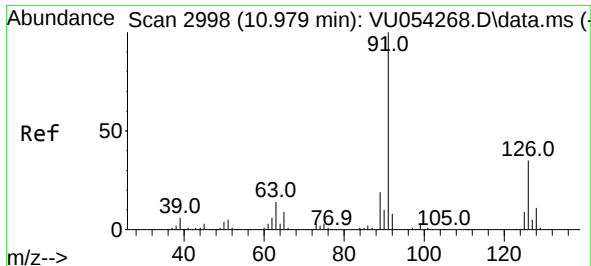
Tgt Ion: 91 Resp: 704786

Ion Ratio Lower Upper

91 100

120 22.6 11.9 35.5

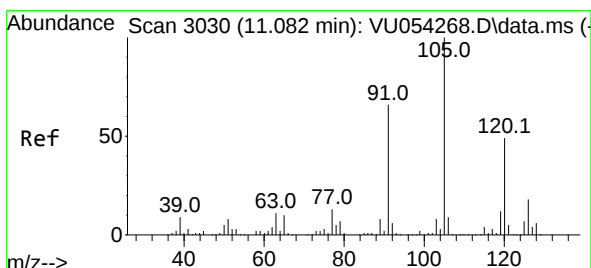
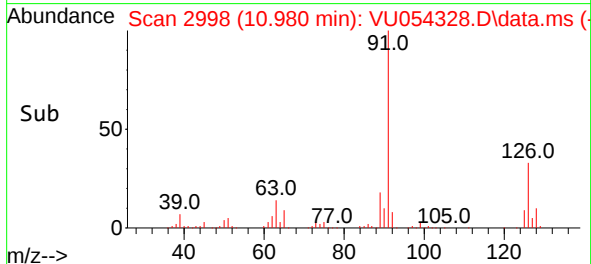
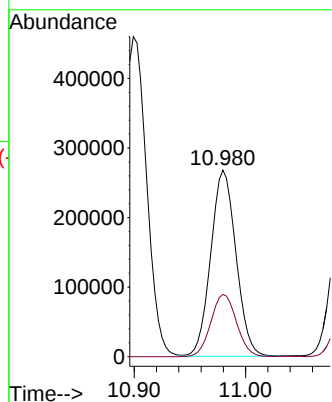
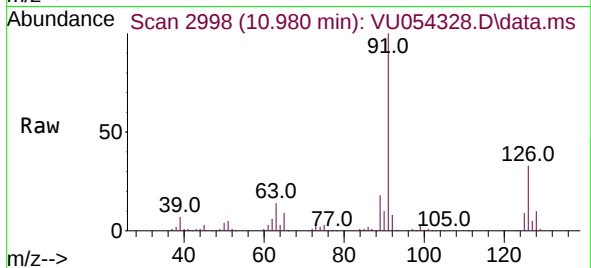




#79
2-Chlorotoluene
Concen: 50.314 ug/l
RT: 10.980 min Scan# 2998
Delta R.T. 0.001 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

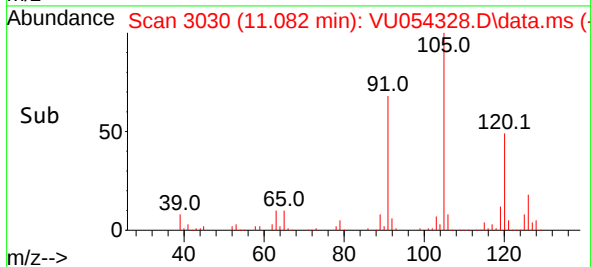
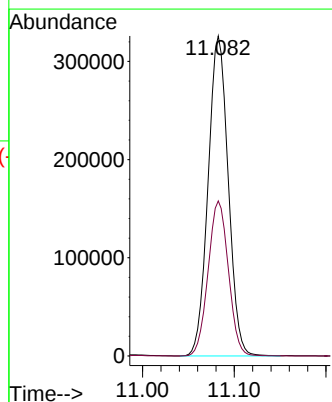
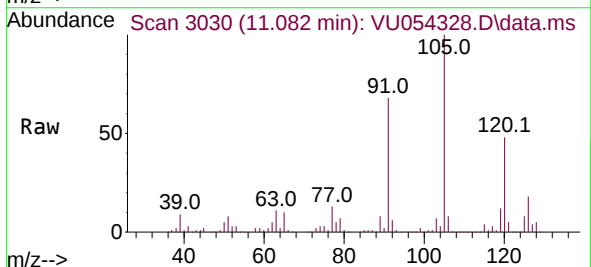
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

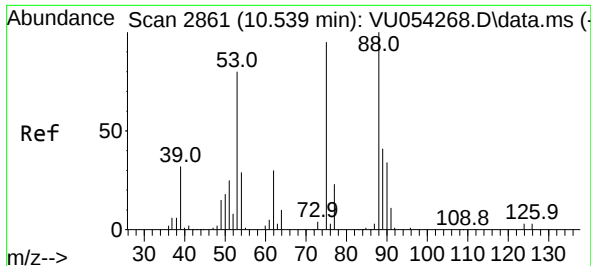
Tgt Ion: 91 Resp: 421482
Ion Ratio Lower Upper
91 100
126 34.1 18.4 55.0



#80
1,3,5-Trimethylbenzene
Concen: 51.758 ug/l
RT: 11.082 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion: 105 Resp: 497170
Ion Ratio Lower Upper
105 100
120 48.8 25.3 75.9

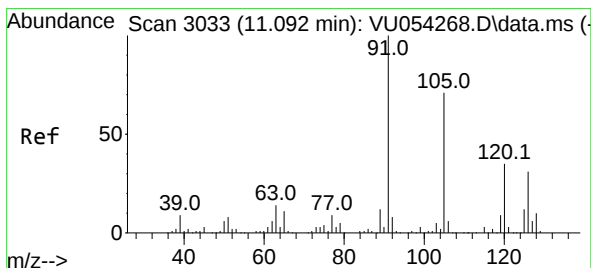
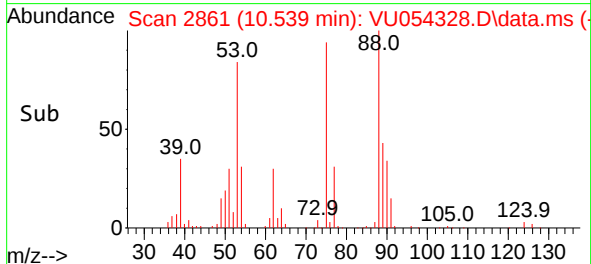
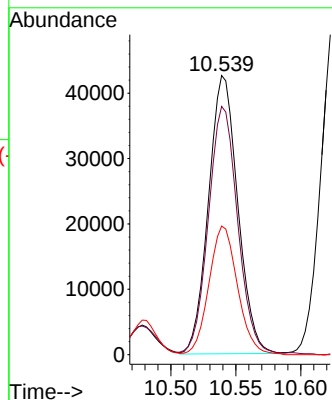
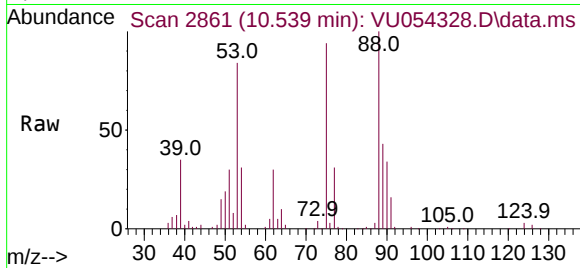




#81
trans-1,4-Dichloro-2-butene
Concen: 47.712 ug/l
RT: 10.539 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

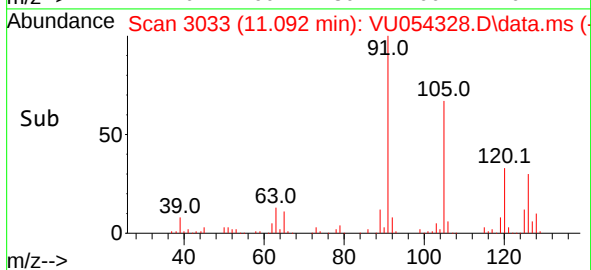
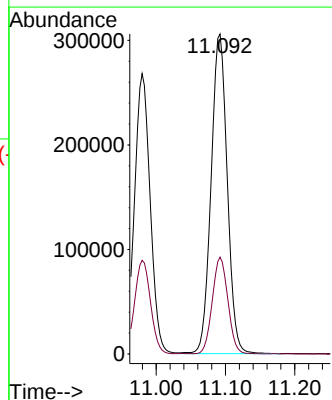
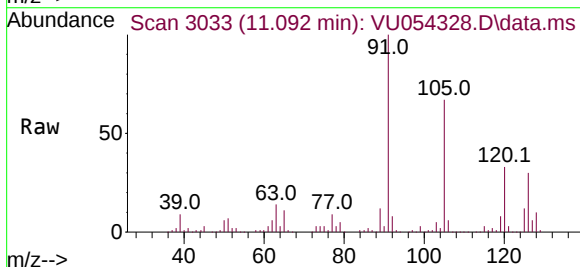
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

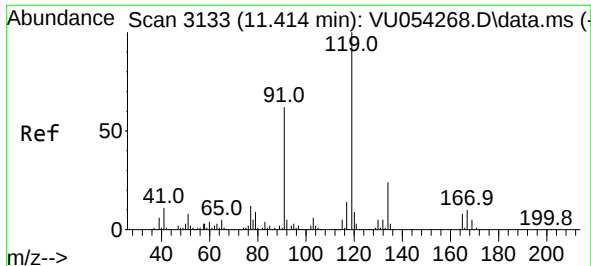
Tgt Ion: 75 Resp: 66695
Ion Ratio Lower Upper
75 100
53 88.4 69.2 103.8
89 45.1 37.0 55.6



#82
4-Chlorotoluene
Concen: 50.242 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion: 91 Resp: 493826
Ion Ratio Lower Upper
91 100
126 29.1 16.1 48.2

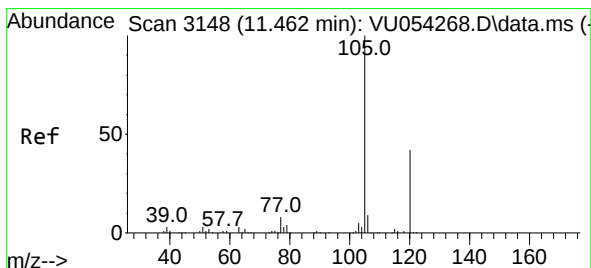
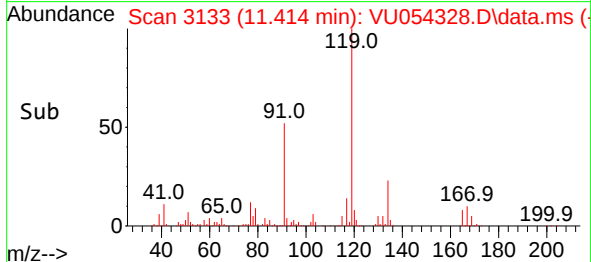
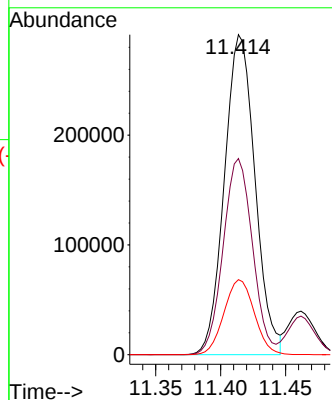
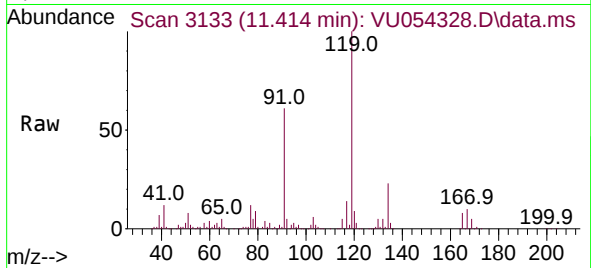




#83
tert-Butylbenzene
Concen: 49.820 ug/l
RT: 11.414 min Scan# 3133
Delta R.T. -0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

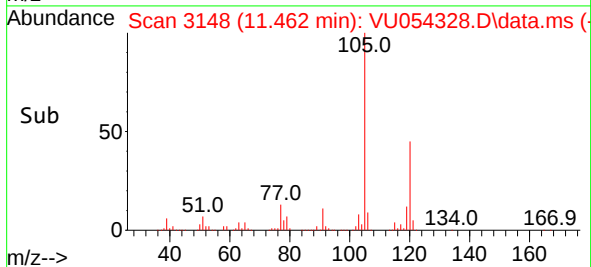
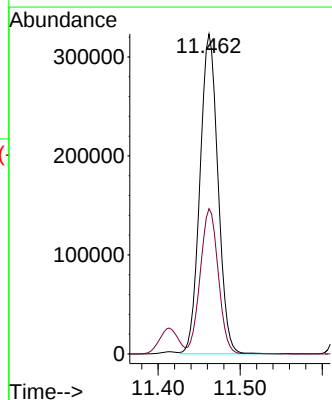
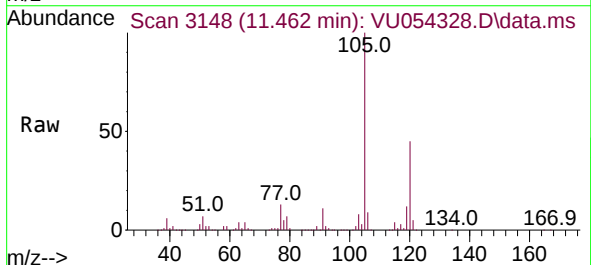
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

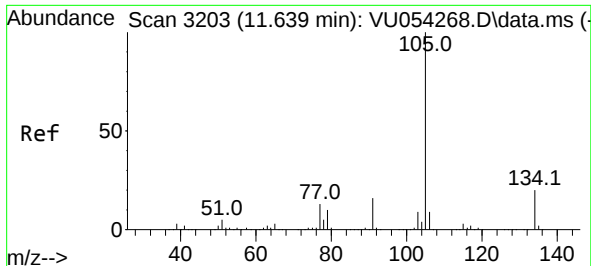
Tgt Ion:119 Resp: 478544
Ion Ratio Lower Upper
119 100
91 58.6 26.8 80.3
134 23.2 11.5 34.5



#84
1,2,4-Trimethylbenzene
Concen: 51.437 ug/l
RT: 11.462 min Scan# 3148
Delta R.T. -0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion:105 Resp: 491549
Ion Ratio Lower Upper
105 100
120 45.7 23.4 70.3

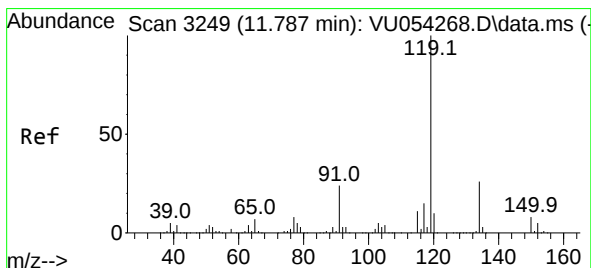
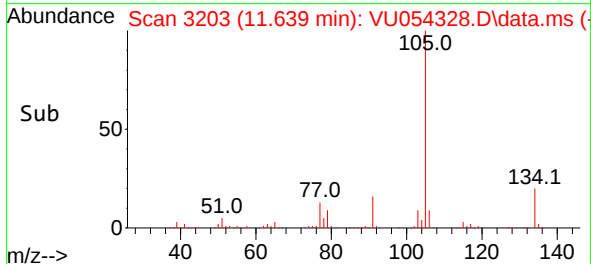
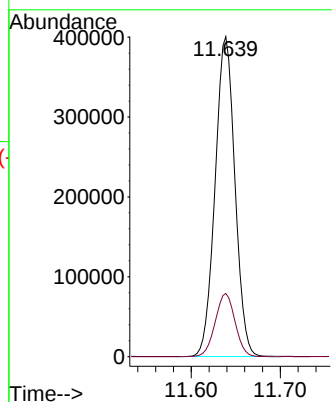
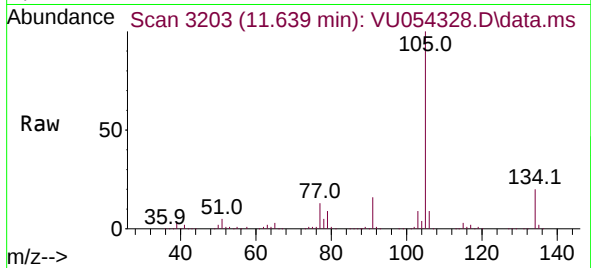




#85
 sec-Butylbenzene
 Concen: 50.757 ug/l
 RT: 11.639 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054328.D
 Acq: 30 May 2023 20:54

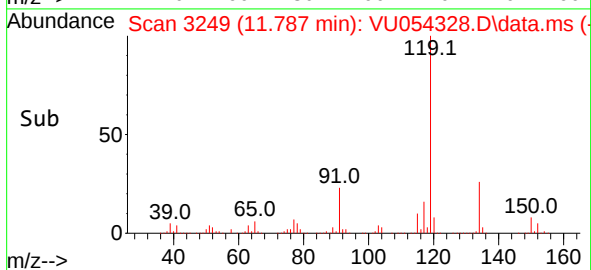
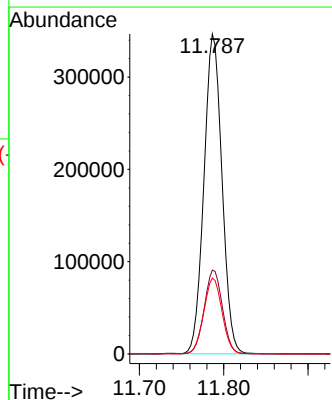
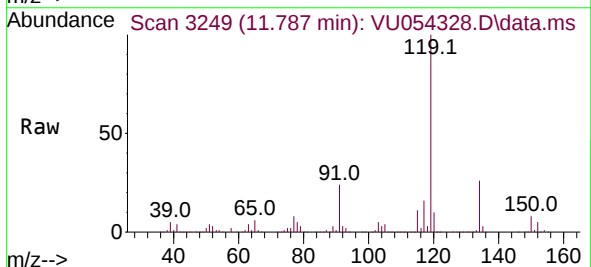
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

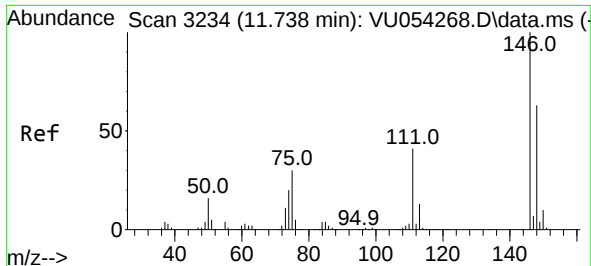
Tgt Ion:105 Resp: 618635
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 50.352 ug/l
 RT: 11.787 min Scan# 3249
 Delta R.T. -0.000 min
 Lab File: VU054328.D
 Acq: 30 May 2023 20:54

Tgt Ion:119 Resp: 516179
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.5 40.4
 91 24.0 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 47.885 ug/l

RT: 11.742 min Scan# 31

Delta R.T. 0.004 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

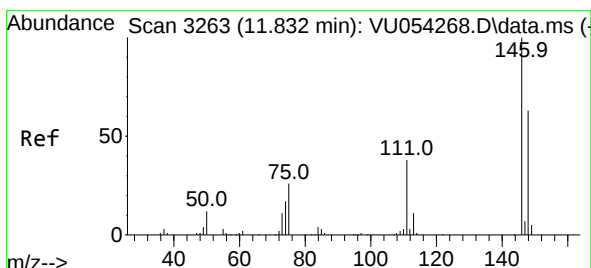
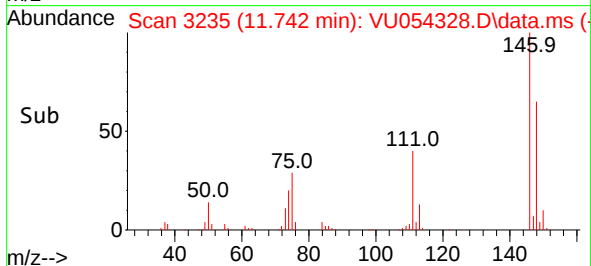
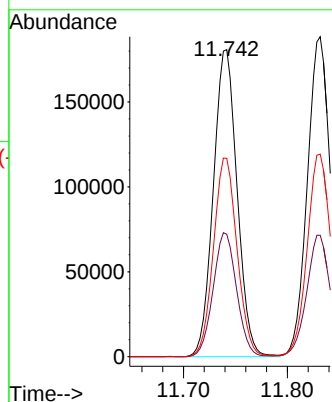
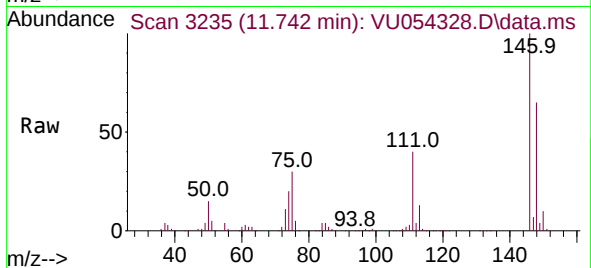
Tgt Ion:146 Resp: 287588

Ion Ratio Lower Upper

146 100

111 39.9 18.9 56.5

148 64.4 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 46.893 ug/l

RT: 11.832 min Scan# 3263

Delta R.T. -0.000 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

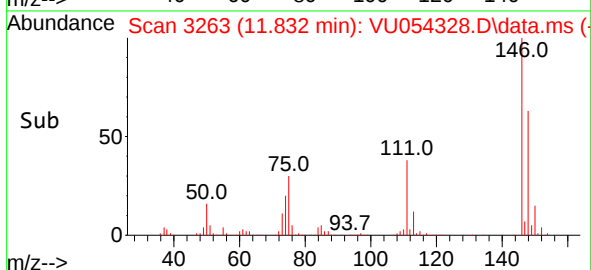
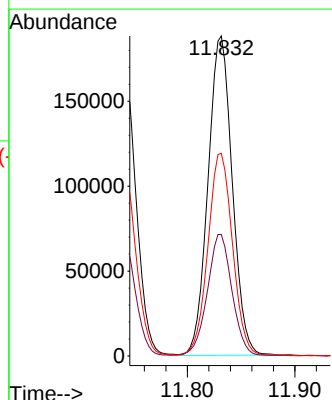
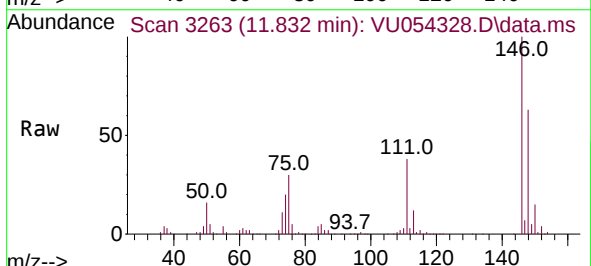
Tgt Ion:146 Resp: 294217

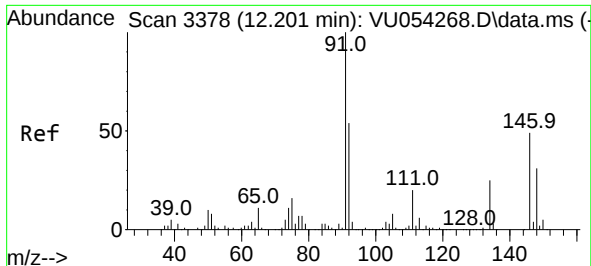
Ion Ratio Lower Upper

146 100

111 38.8 18.5 55.5

148 64.7 31.9 95.7





#89

n-Butylbenzene

Concen: 47.659 ug/l

RT: 12.205 min Scan# 3378

Delta R.T. 0.004 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

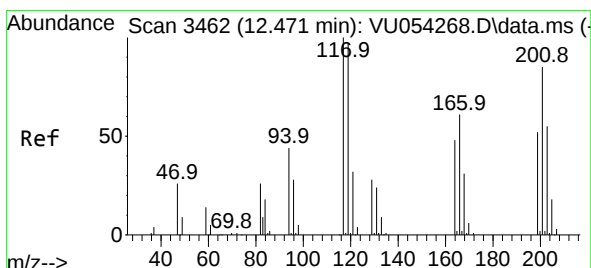
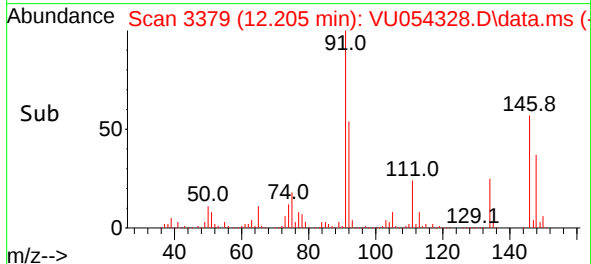
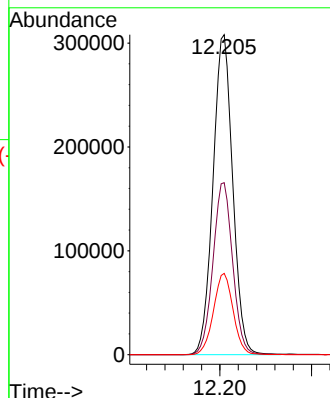
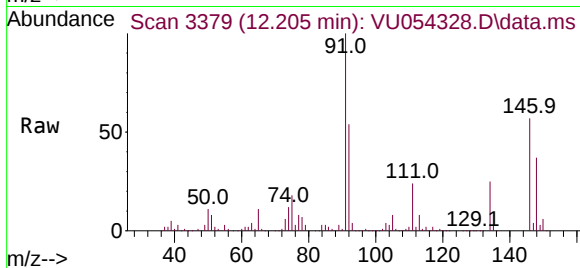
Tgt Ion: 91 Resp: 459893

Ion Ratio Lower Upper

91 100

92 53.8 26.2 78.6

134 25.4 13.5 40.4



#90

Hexachloroethane

Concen: 48.657 ug/l

RT: 12.468 min Scan# 3461

Delta R.T. -0.003 min

Lab File: VU054328.D

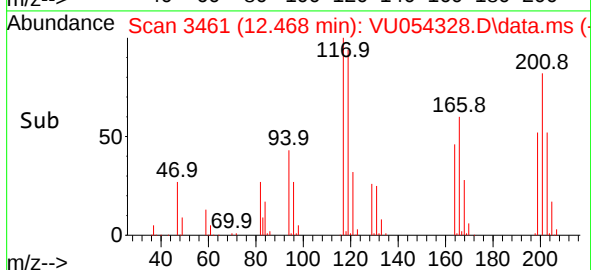
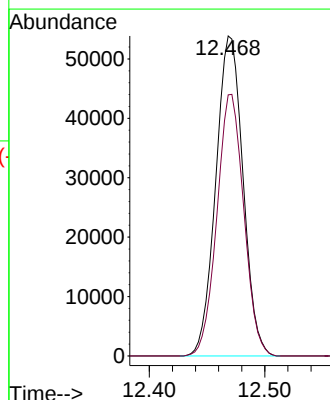
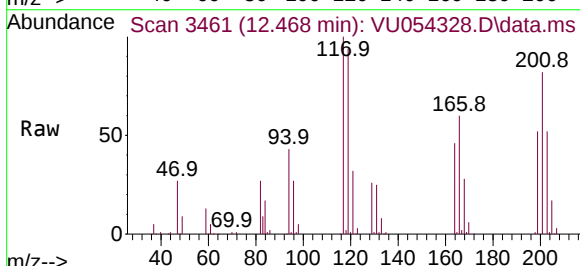
Acq: 30 May 2023 20:54

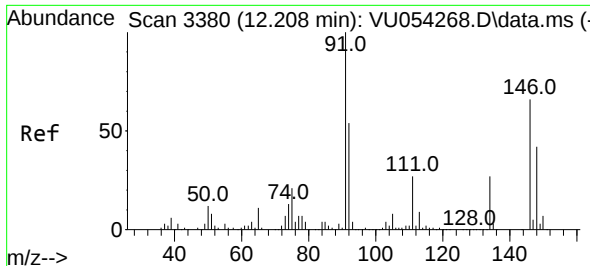
Tgt Ion: 117 Resp: 88243

Ion Ratio Lower Upper

117 100

201 80.7 44.6 134.0

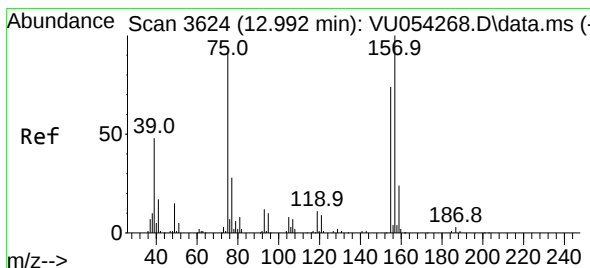
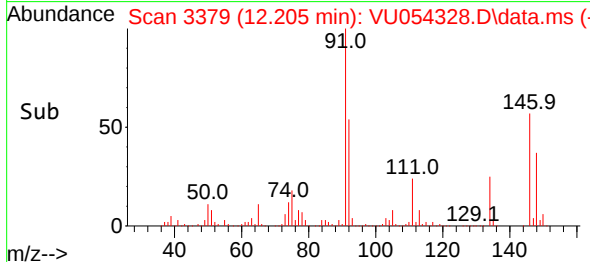
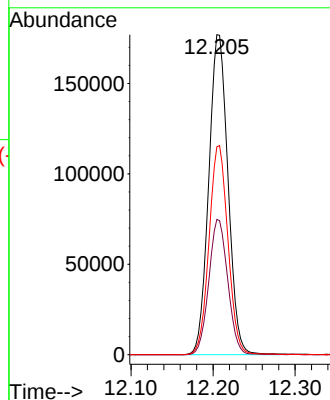
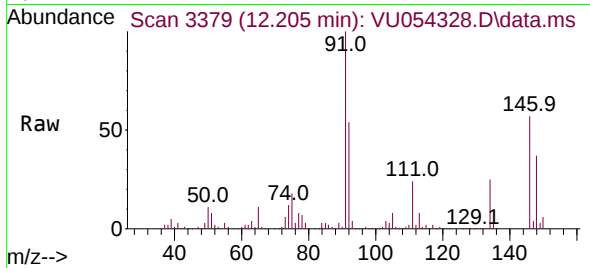




#91
1,2-Dichlorobenzene
Concen: 48.902 ug/l
RT: 12.205 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

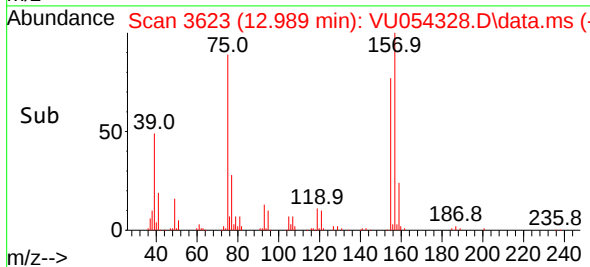
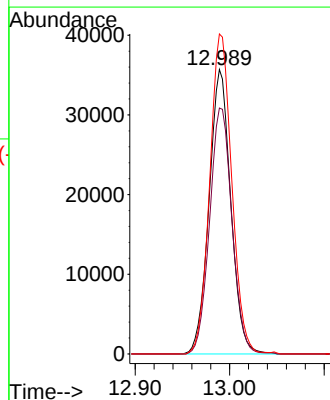
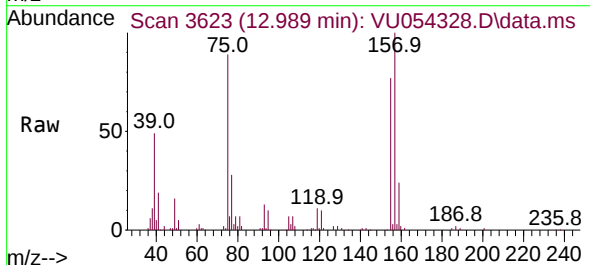
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

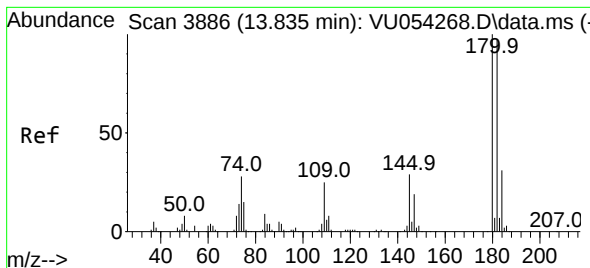
Tgt Ion:146 Resp: 288927
Ion Ratio Lower Upper
146 100
111 41.7 19.9 59.6
148 64.2 32.1 96.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 54.643 ug/l
RT: 12.989 min Scan# 3623
Delta R.T. -0.003 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion: 75 Resp: 56957
Ion Ratio Lower Upper
75 100
155 88.9 47.8 143.4
157 114.1 62.2 186.5





#93

1,2,4-Trichlorobenzene

Concen: 48.667 ug/l

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

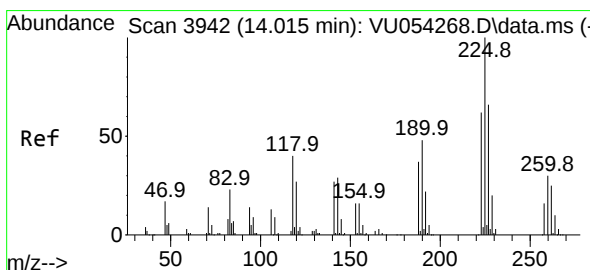
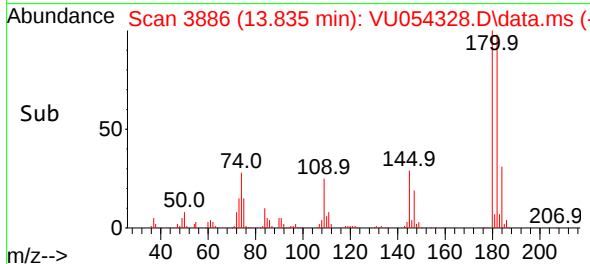
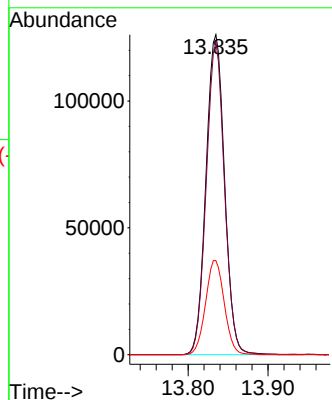
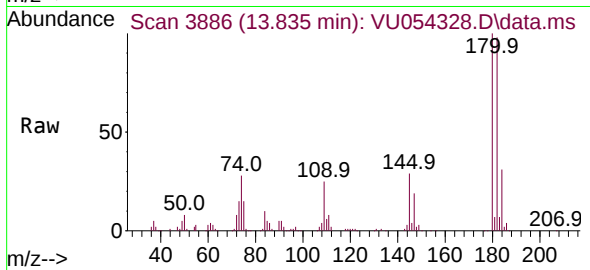
Tgt Ion:180 Resp: 203970

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.6

145 29.6 14.0 41.9



#94

Hexachlorobutadiene

Concen: 46.888 ug/l

RT: 14.015 min Scan# 3942

Delta R.T. -0.000 min

Lab File: VU054328.D

Acq: 30 May 2023 20:54

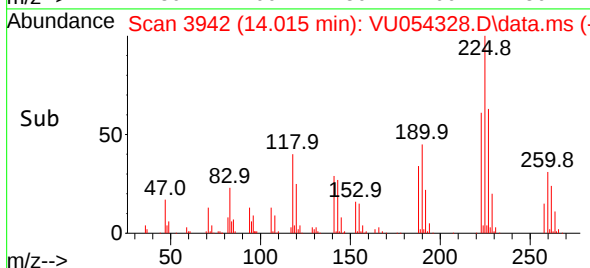
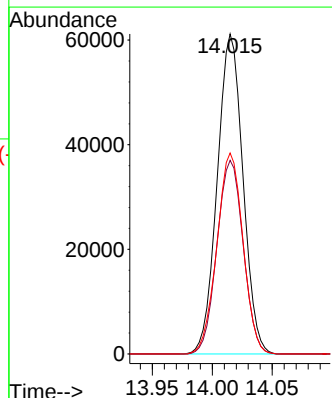
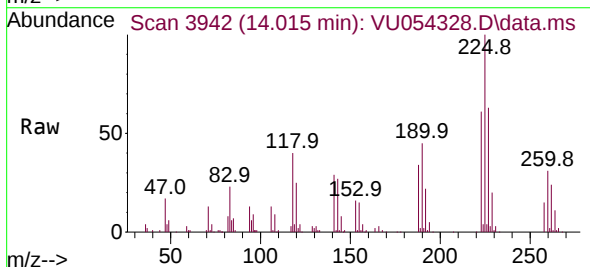
Tgt Ion:225 Resp: 91057

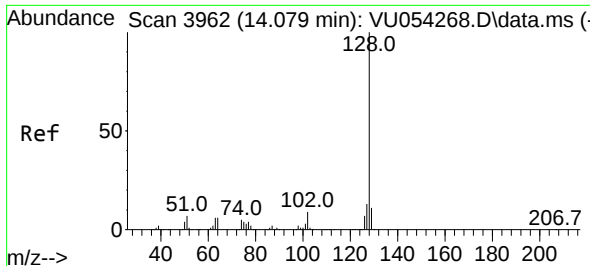
Ion Ratio Lower Upper

225 100

223 61.8 31.3 93.9

227 63.7 32.0 96.2

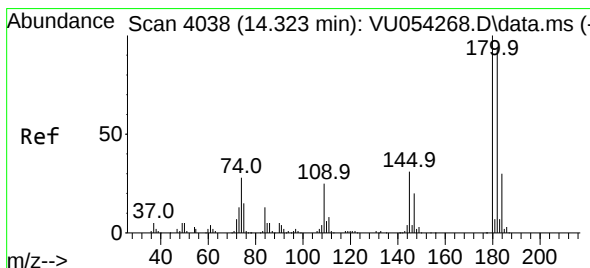
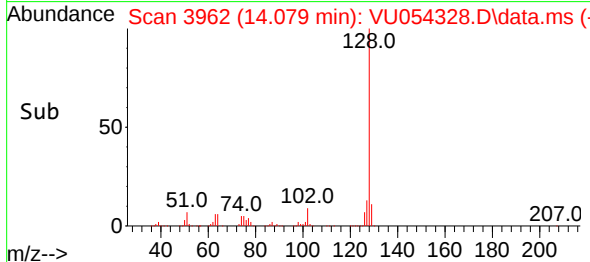
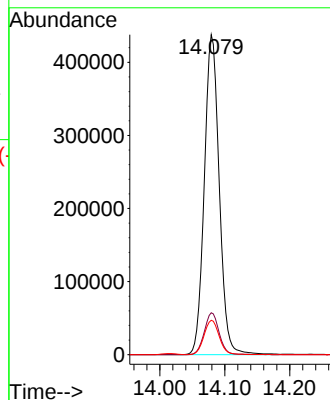
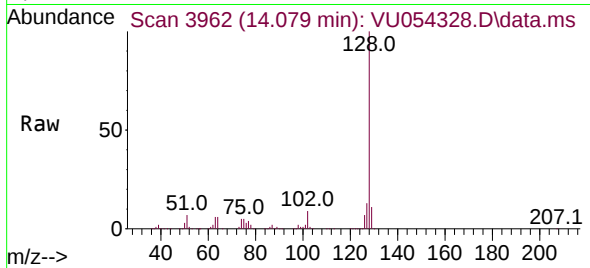




#95
Naphthalene
Concen: 51.974 ug/l
RT: 14.079 min Scan# 3962
Delta R.T. 0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 702219
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.870 ug/l
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU054328.D
Acq: 30 May 2023 20:54

Tgt Ion:180 Resp: 211532
Ion Ratio Lower Upper
180 100
182 95.2 48.4 145.0
145 31.1 14.8 44.4

