

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021423\
 Data File : VU053093.D
 Acq On : 14 Feb 2023 12:44
 Operator : JC/MD
 Sample : VSTD01080
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010080

Quant Time: Feb 15 00:32:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 15 00:30:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	256436	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	232949	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	115812	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	22472	9.444	ug/L	0.00
7) Chloroethane-d5	1.913	69	19389	9.959	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.566	63	39518	10.565	ug/L	0.00
21) 2-Butanone-d5	4.630	46	23321	23.680	ug/L	0.00
24) Chloroform-d	5.058	84	40080	10.018	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	25637	10.568	ug/L	0.00
32) Benzene-d6	5.723	84	80926	10.283	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	26409	10.710	ug/L	0.00
41) Toluene-d8	7.894	98	75088	9.881	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.173	79	13060	9.873	ug/L	0.00
47) 2-Hexanone-d5	8.630	63	17305	22.492	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.752	84	34536	10.280	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	25206	9.777	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	26325	12.254	ug/L	100
3) Chloromethane	1.518	50	26556	13.251	ug/L	100
5) Vinyl chloride	1.605	62	27618	11.507	ug/L	100
6) Bromomethane	1.859	94	17343	10.741	ug/L	99
8) Chloroethane	1.932	64	16440	11.216	ug/L	95
9) Trichlorofluoromethane	2.135	101	36845	10.422	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	20435	11.254	ug/L	99
12) 1,1-Dichloroethene	2.579	96	18714	10.839	ug/L	96
13) Acetone	2.640	43	16425	19.815	ug/L	98
14) Carbon disulfide	2.791	76	61205	11.725	ug/L	97
15) Methyl Acetate	2.952	43	16568	12.607	ug/L	99
16) Methylene chloride	3.042	84	22677	10.931	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	19232	10.493	ug/L	97
18) Methyl tert-butyl Ether	3.357	73	64935	11.199	ug/L	99
19) 1,1-Dichloroethane	3.865	63	38707	11.949	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	23079	11.164	ug/L	93
22) 2-Butanone	4.710	43	23814	23.170	ug/L	89
23) Bromochloromethane	4.968	128	10373	9.449	ug/L	95
25) Chloroform	5.083	83	38546	10.893	ug/L	98
27) 1,2-Dichloroethane	5.788	62	30163	11.688	ug/L	98
29) Cyclohexane	5.383	56	35410	12.163	ug/L	97
30) 1,1,1-Trichloroethane	5.312	97	33442	10.924	ug/L	100
31) Carbon tetrachloride	5.521	117	28814	10.815	ug/L	99
33) Benzene	5.768	78	85290	11.568	ug/L	100
34) Trichloroethene	6.540	95	21793	10.971	ug/L	98
35) Methylcyclohexane	6.759	83	37876	11.179	ug/L	98
37) 1,2-Dichloropropane	6.784	63	23410	12.273	ug/L	99
38) Bromodichloromethane	7.099	83	28921	10.815	ug/L	97
39) cis-1,3-Dichloropropene	7.604	75	37490	11.573	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	48642	25.863	ug/L	99
42) Toluene	7.964	91	89344	10.859	ug/L	96
44) trans-1,3-Dichloropropene	8.206	75	34236	10.973	ug/L	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021423\
 Data File : VU053093.D
 Acq On : 14 Feb 2023 12:44
 Operator : JC/MD
 Sample : VSTD01080
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

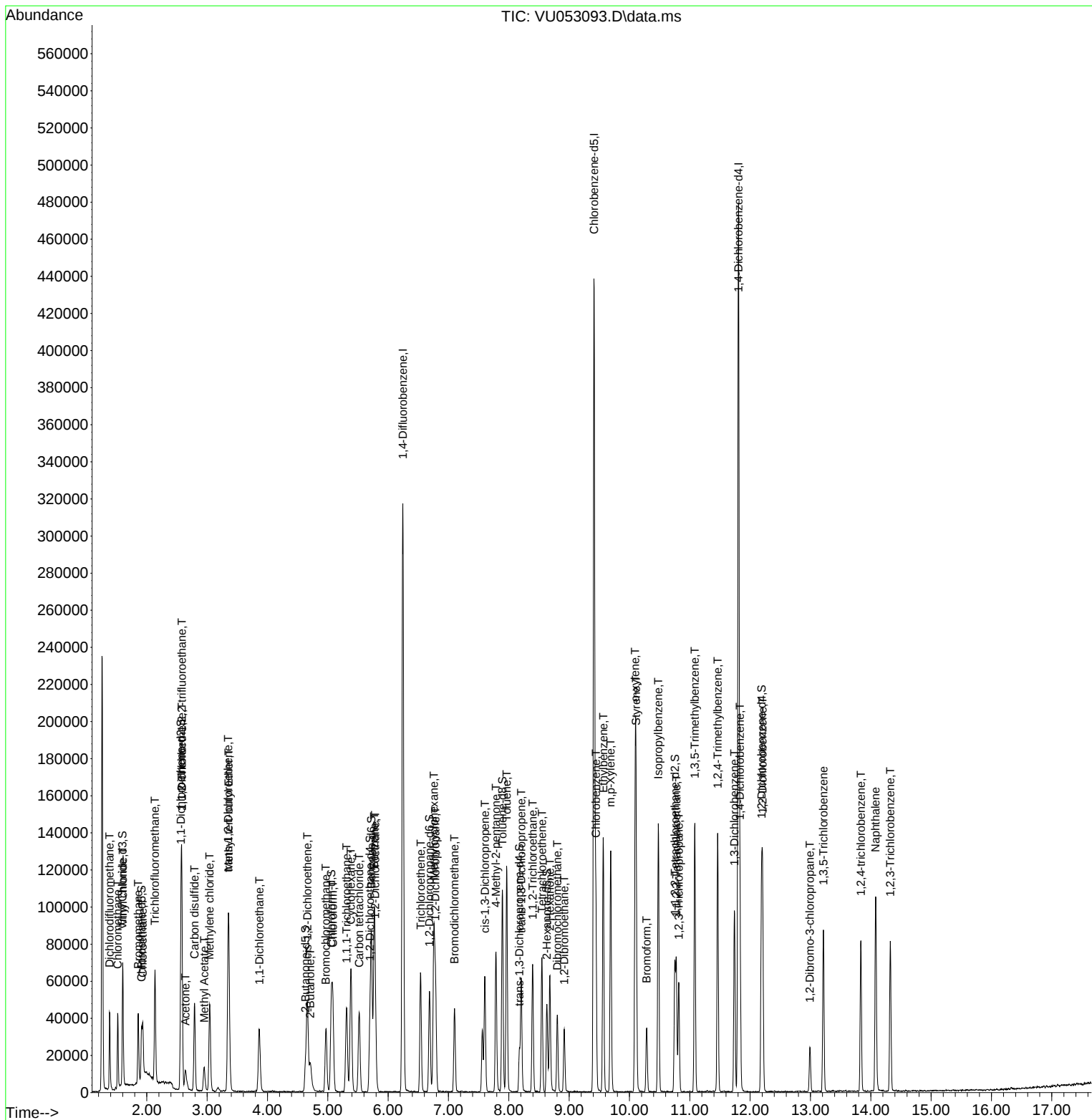
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010080

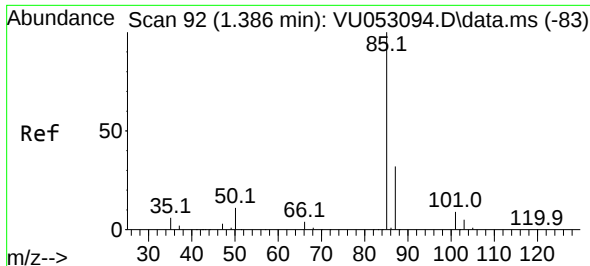
Quant Time: Feb 15 00:32:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 15 00:30:58 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.395	97	20639	10.751	ug/L	96
46) Tetrachloroethene	8.550	164	14115	9.292	ug/L	92
48) 2-Hexanone	8.681	43	37616	25.365	ug/L	98
49) Dibromochloromethane	8.804	129	20939	9.383	ug/L	98
50) 1,2-Dibromoethane	8.919	107	22087	10.652	ug/L	94
51) Chlorobenzene	9.443	112	54465	10.356	ug/L	98
52) Ethylbenzene	9.566	91	97541	10.715	ug/L	99
53) m,p-Xylene	9.688	106	36683	10.284	ug/L	100
54) o-xylene	10.096	106	36003	10.215	ug/L	96
55) Styrene	10.109	104	59005	9.985	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	33330	11.128	ug/L	99
59) Bromoform	10.286	173	14408	9.593	ug/L	98
60) 1,2,3-Trichloropropane	10.820	75	24890	12.438	ug/L	99
61) Isopropylbenzene	10.479	105	93667	11.317	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	80276	11.147	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	76291	10.920	ug/L	98
64) 1,3-Dichlorobenzene	11.739	146	37151	10.257	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	37687	10.300	ug/L	96
67) 1,2-Dichlorobenzene	12.205	146	38018	10.391	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	6877	11.329	ug/L	92
69) 1,3,5-Trichlorobenzene	13.215	180	24845	9.138	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	22378	9.137	ug/L	98
71) Naphthalene	14.080	128	85416	11.358	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	21894	9.113	ug/L	96

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

Quant Time: Feb 15 00:32:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 15 00:30:58 2023
Response via : Initial Calibration

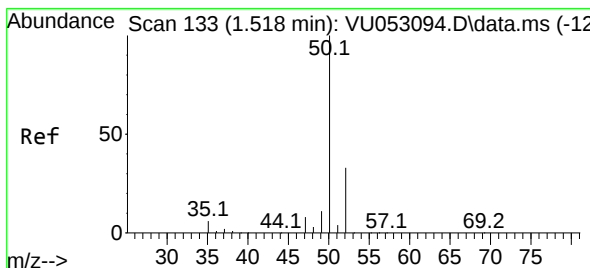
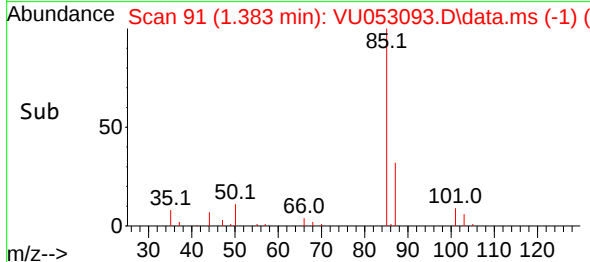
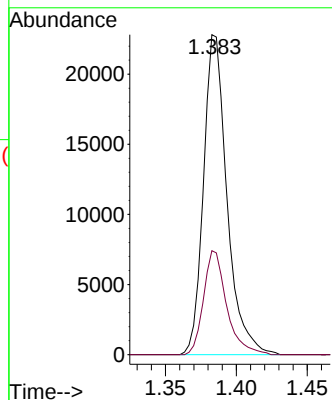
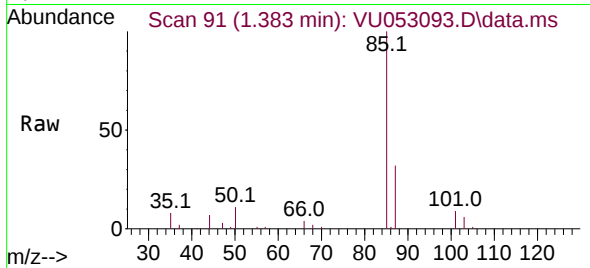




#2
Dichlorodifluoromethane
Concen: 12.254 ug/L
RT: 1.383 min Scan# 91
Delta R.T. -0.003 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

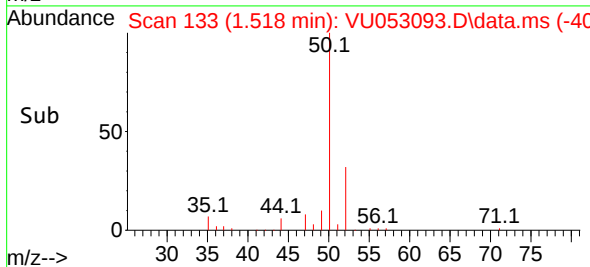
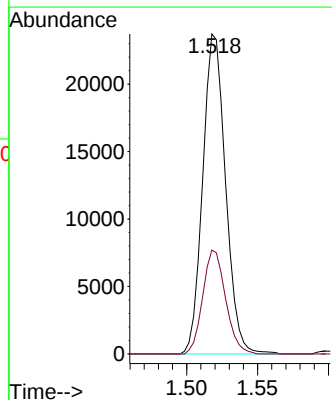
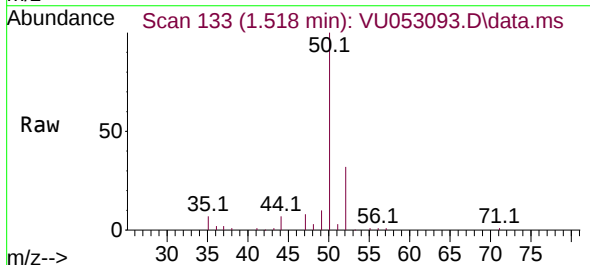
Instrument :
MSVOA_U
ClientSampleId :
VSTD010080

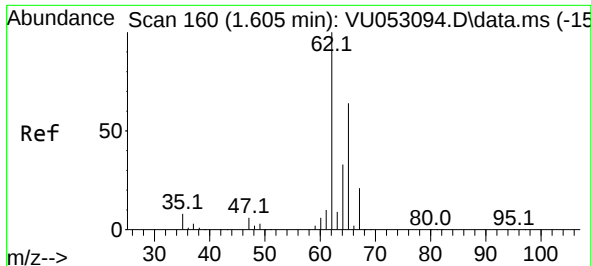
Tgt Ion: 85 Resp: 26325
Ion Ratio Lower Upper
85 100
87 31.9 25.6 38.4



#3
Chloromethane
Concen: 13.251 ug/L
RT: 1.518 min Scan# 133
Delta R.T. -0.000 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

Tgt Ion: 50 Resp: 26556
Ion Ratio Lower Upper
50 100
52 32.4 22.8 42.4





#5

Vinyl chloride

Concen: 11.507 ug/L

RT: 1.605 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

Instrument :

MSVOA_U

ClientSampleId :

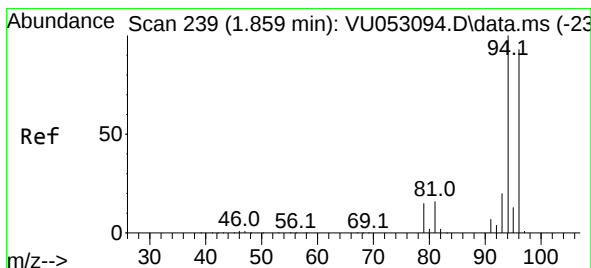
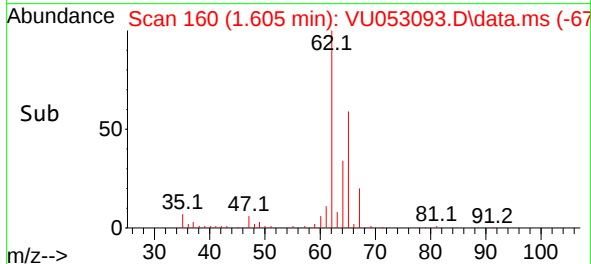
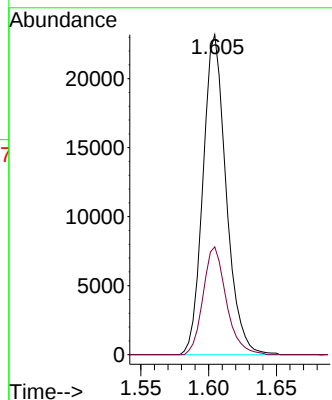
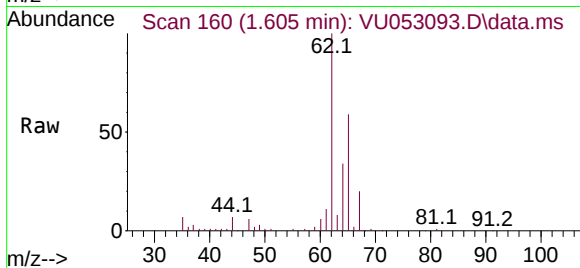
VSTD010080

Tgt Ion: 62 Resp: 27618

Ion Ratio Lower Upper

62 100

64 33.7 23.4 43.6



#6

Bromomethane

Concen: 10.741 ug/L

RT: 1.859 min Scan# 239

Delta R.T. -0.000 min

Lab File: VU053093.D

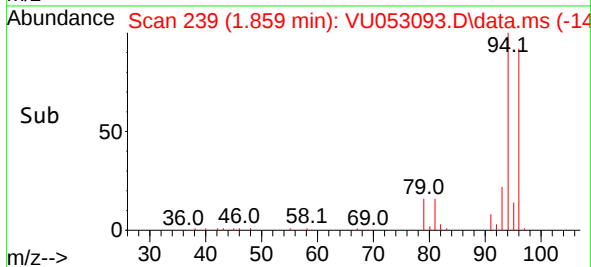
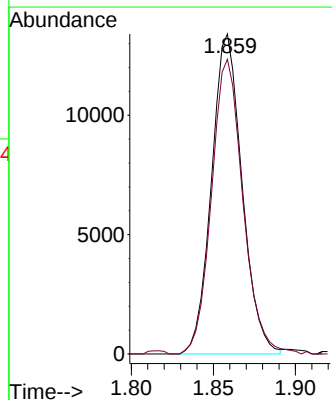
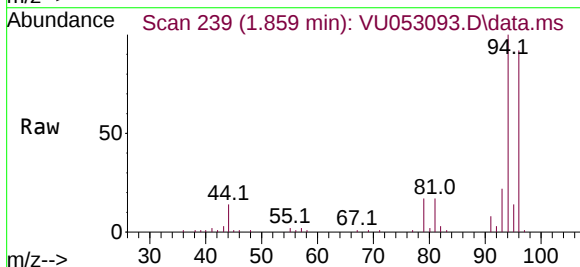
Acq: 14 Feb 2023 12:44

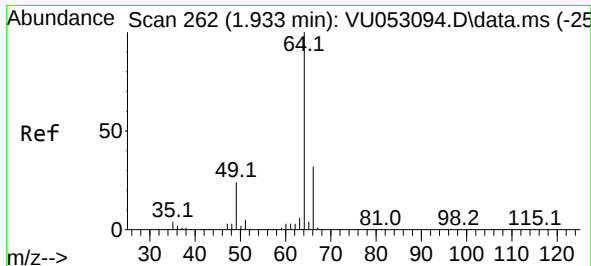
Tgt Ion: 94 Resp: 17343

Ion Ratio Lower Upper

94 100

96 92.1 65.0 120.8

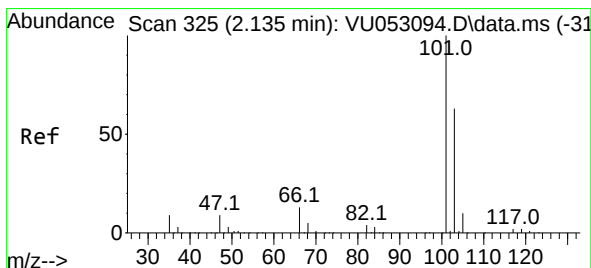
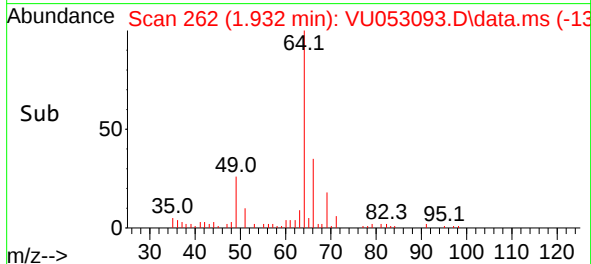
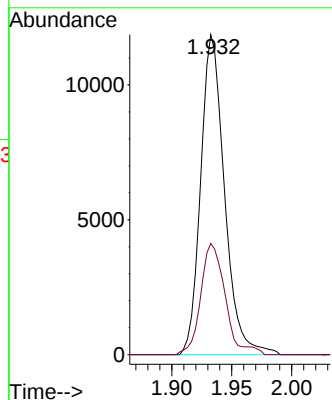
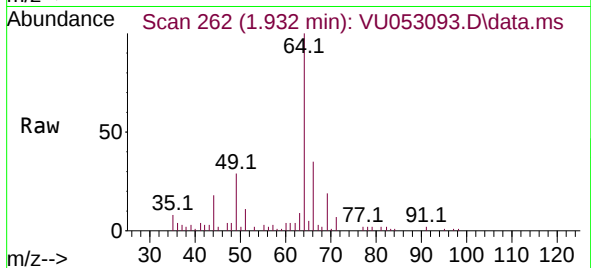




#8
Chloroethane
Concen: 11.216 ug/L
RT: 1.932 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

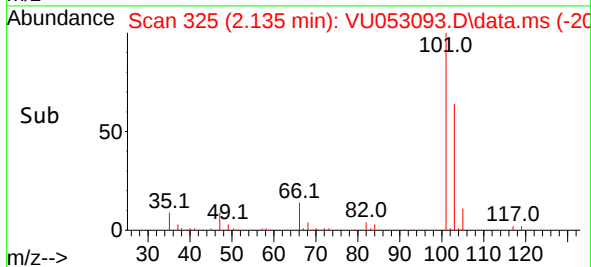
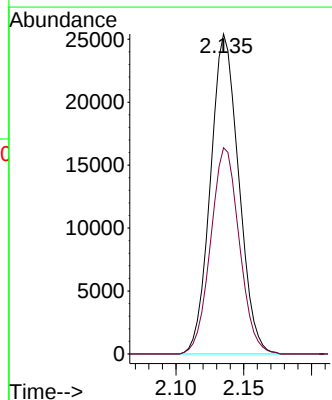
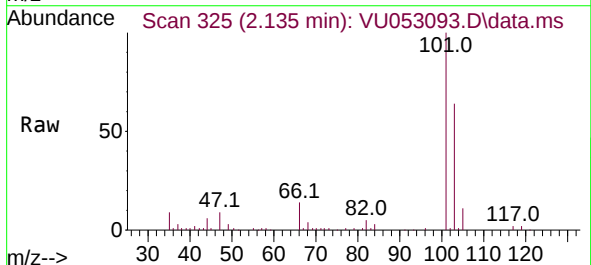
Instrument :
MSVOA_U
ClientSampleId :
VSTD010080

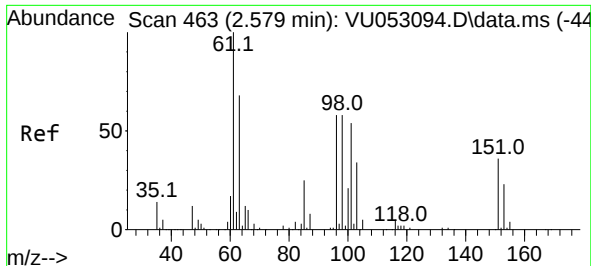
Tgt Ion: 64 Resp: 16440
Ion Ratio Lower Upper
64 100
66 34.7 22.4 41.6



#9
Trichlorofluoromethane
Concen: 10.422 ug/L
RT: 2.135 min Scan# 325
Delta R.T. -0.000 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

Tgt Ion:101 Resp: 36845
Ion Ratio Lower Upper
101 100
103 65.4 51.4 77.0

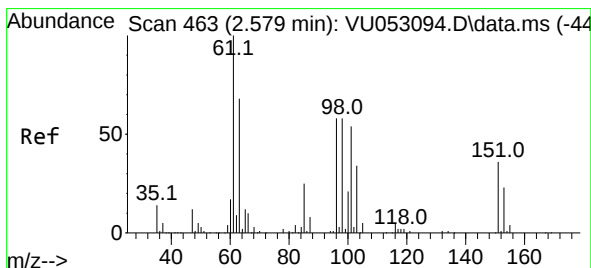
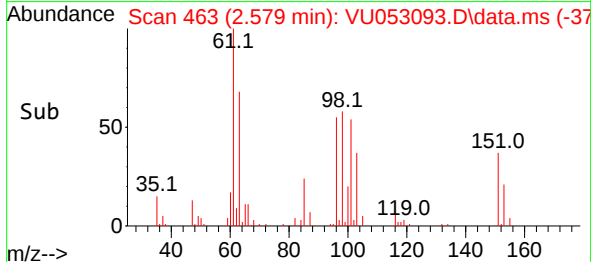
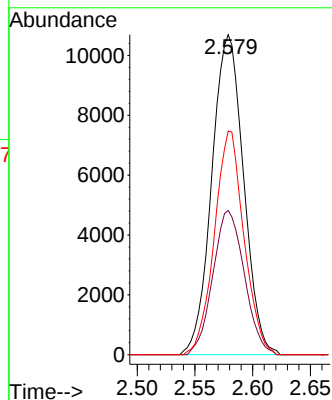
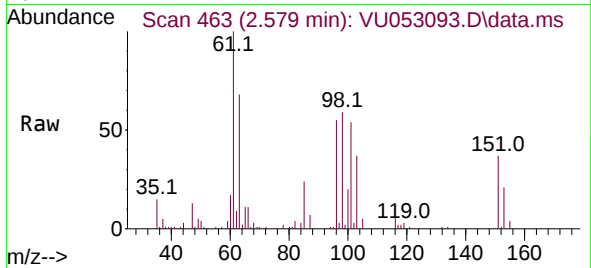




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 11.254 ug/L
 RT: 2.579 min Scan# 463
 Delta R.T. -0.000 min
 Lab File: VU053093.D
 Acq: 14 Feb 2023 12:44

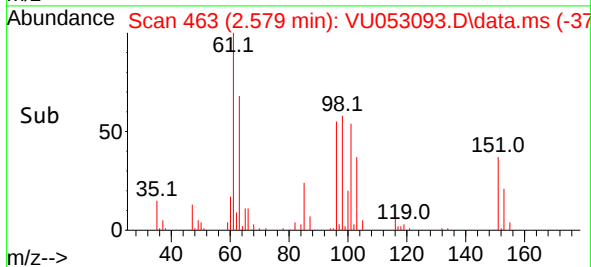
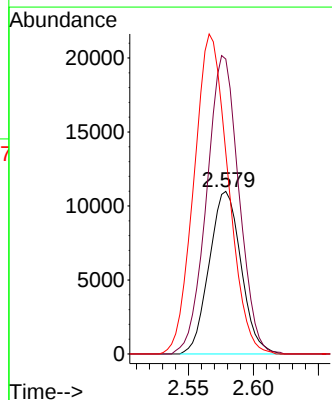
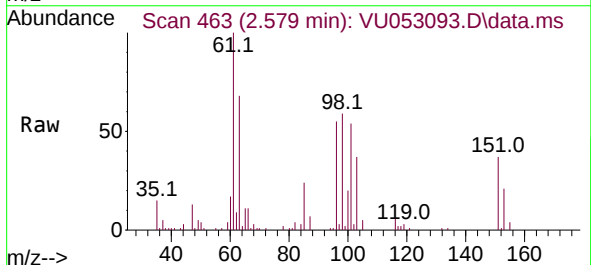
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010080

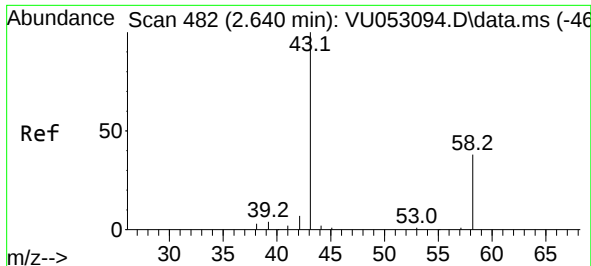
Tgt Ion:101 Resp: 20435
 Ion Ratio Lower Upper
 101 100
 85 44.6 36.6 54.8
 151 65.1 52.6 79.0



#12
 1,1-Dichloroethene
 Concen: 10.839 ug/L
 RT: 2.579 min Scan# 463
 Delta R.T. -0.000 min
 Lab File: VU053093.D
 Acq: 14 Feb 2023 12:44

Tgt Ion: 96 Resp: 18714
 Ion Ratio Lower Upper
 96 100
 61 181.5 121.9 226.3
 63 123.8 84.2 156.4





#13

Acetone

Concen: 19.815 ug/L

RT: 2.640 min Scan# 482

Delta R.T. -0.000 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

Instrument :

MSVOA_U

ClientSampleId :

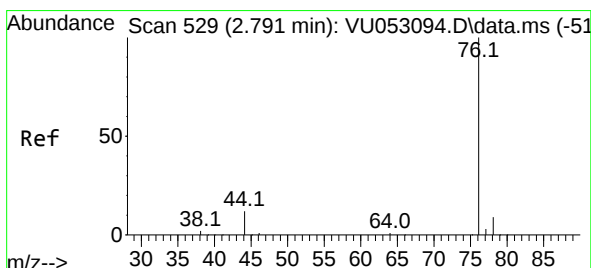
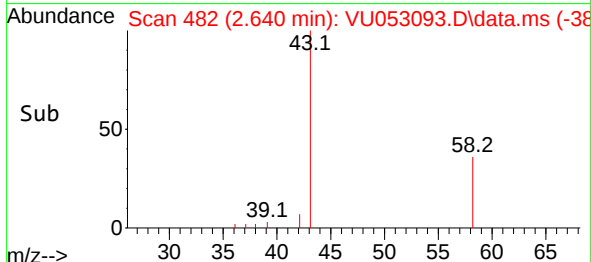
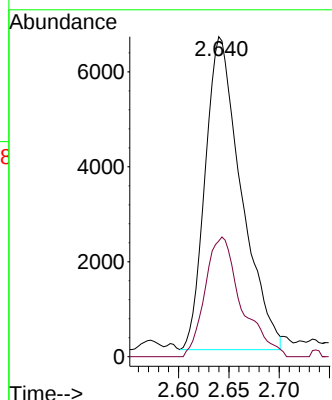
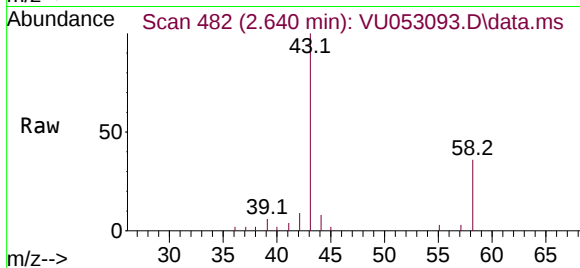
VSTD010080

Tgt Ion: 43 Resp: 16425

Ion Ratio Lower Upper

43 100

58 38.5 0.0 74.6



#14

Carbon disulfide

Concen: 11.725 ug/L

RT: 2.791 min Scan# 529

Delta R.T. -0.000 min

Lab File: VU053093.D

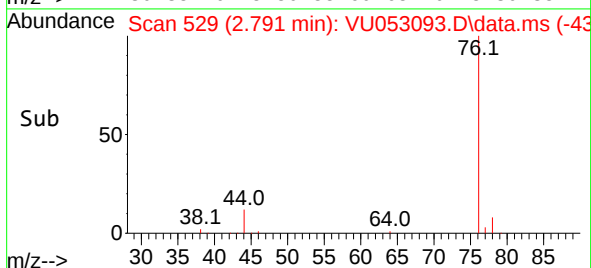
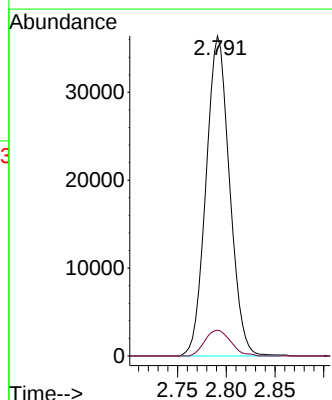
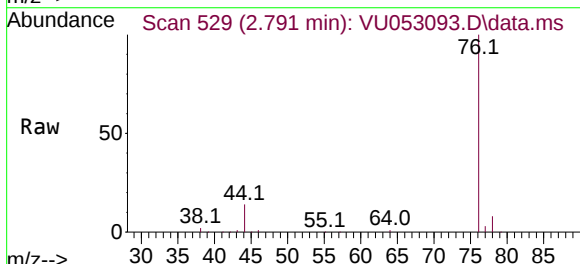
Acq: 14 Feb 2023 12:44

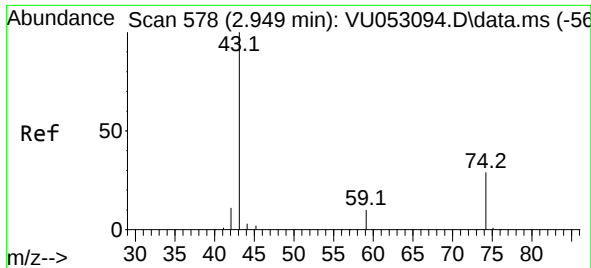
Tgt Ion: 76 Resp: 61205

Ion Ratio Lower Upper

76 100

78 8.1 7.4 11.0

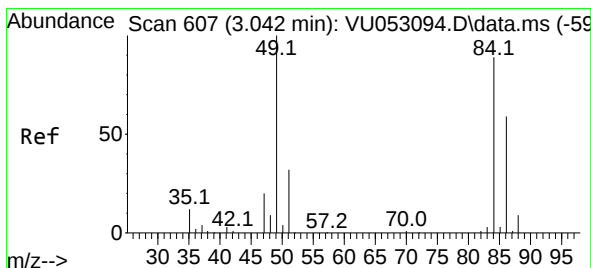
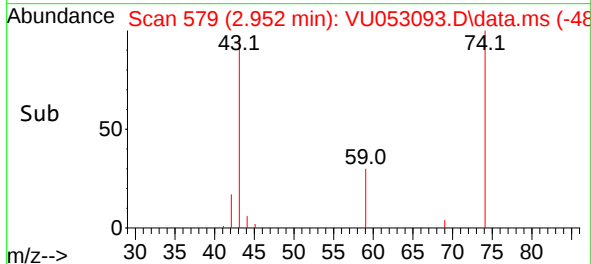
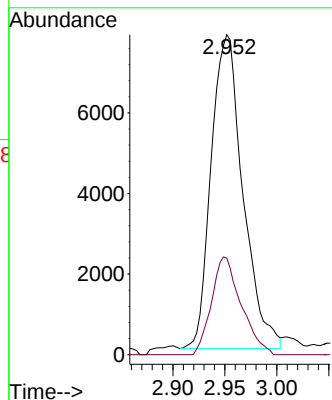
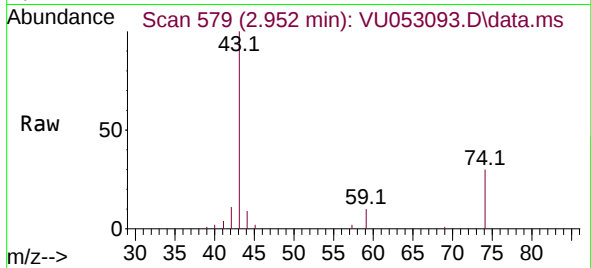




#15
Methyl Acetate
Concen: 12.607 ug/L
RT: 2.952 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

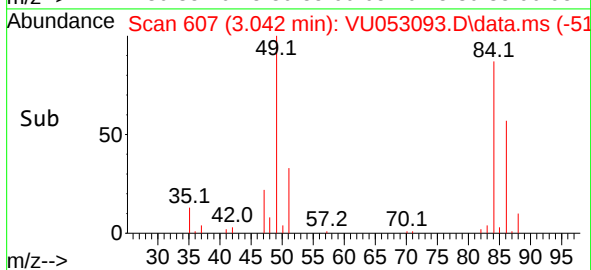
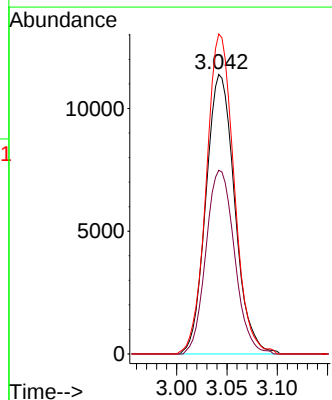
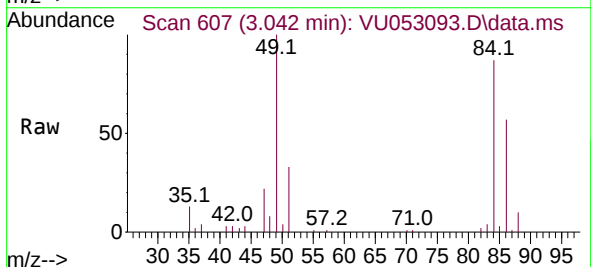
Instrument :
MSVOA_U
ClientSampleId :
VSTD010080

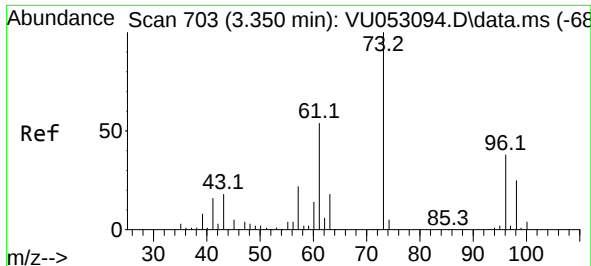
Tgt Ion: 43 Resp: 16568
Ion Ratio Lower Upper
43 100
74 29.0 22.7 34.1



#16
Methylene chloride
Concen: 10.931 ug/L
RT: 3.042 min Scan# 607
Delta R.T. -0.000 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

Tgt Ion: 84 Resp: 22677
Ion Ratio Lower Upper
84 100
86 65.7 46.2 85.8
49 114.5 78.8 146.3





#17

trans-1,2-Dichloroethene

Concen: 10.493 ug/L

RT: 3.350 min Scan# 703

Delta R.T. -0.000 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD010080

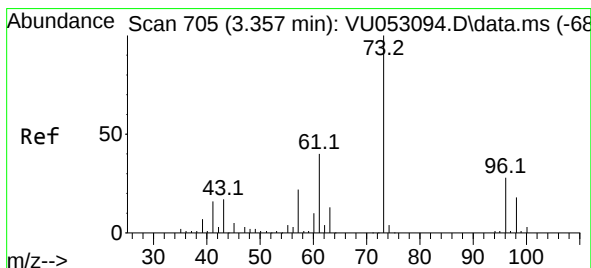
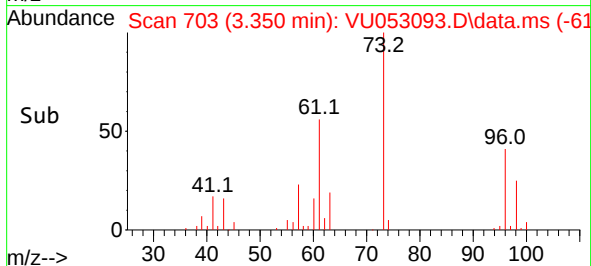
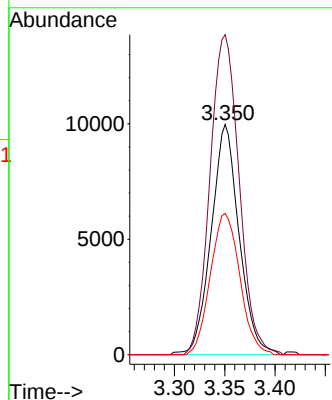
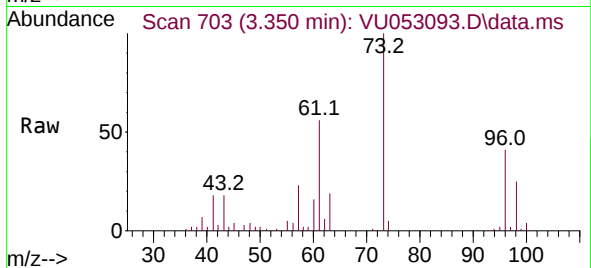
Tgt Ion: 96 Resp: 19232

Ion Ratio Lower Upper

96 100

61 139.0 99.2 184.2

98 61.4 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 11.199 ug/L

RT: 3.357 min Scan# 705

Delta R.T. -0.000 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

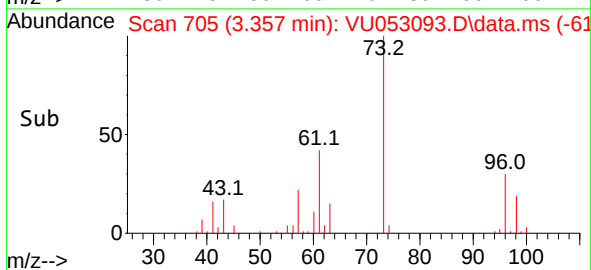
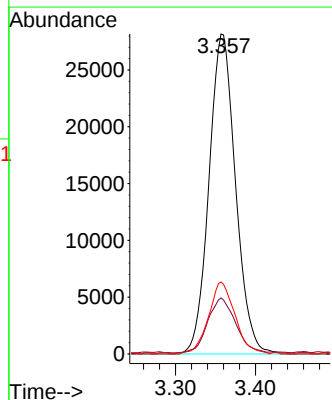
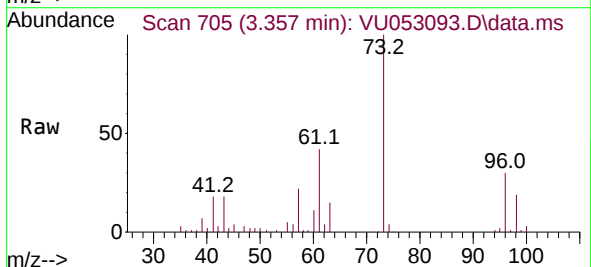
Tgt Ion: 73 Resp: 64935

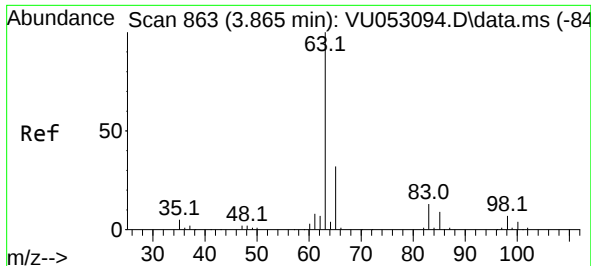
Ion Ratio Lower Upper

73 100

43 18.2 14.1 21.1

57 22.3 17.4 26.0





#19

1,1-Dichloroethane

Concen: 11.949 ug/L

RT: 3.865 min Scan# 8

Delta R.T. -0.000 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD010080

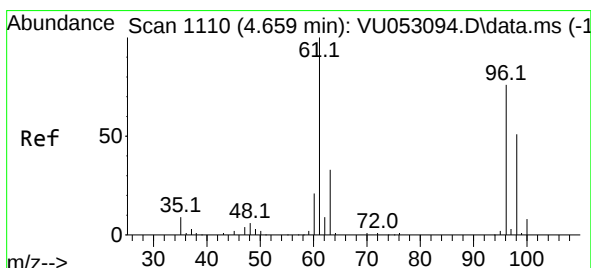
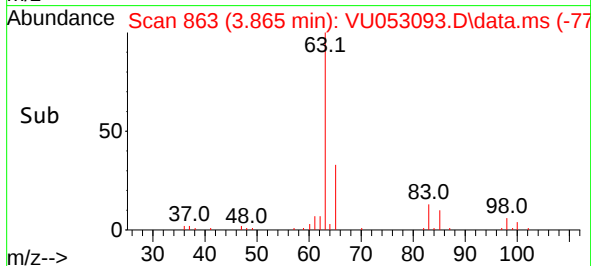
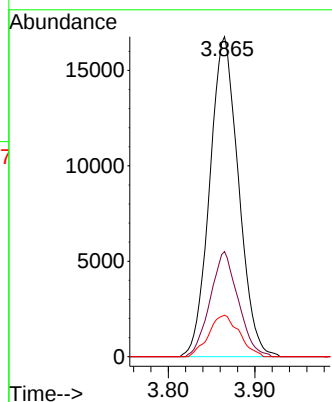
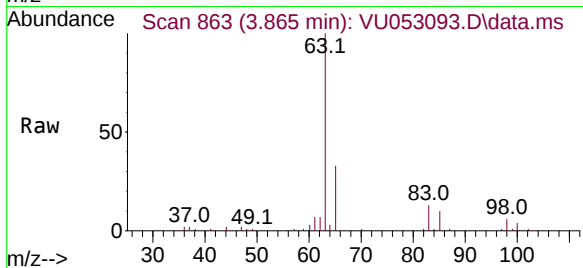
Tgt Ion: 63 Resp: 38707

Ion Ratio Lower Upper

63 100

65 32.8 22.4 41.6

83 13.0 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 11.164 ug/L

RT: 4.662 min Scan# 1111

Delta R.T. 0.003 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

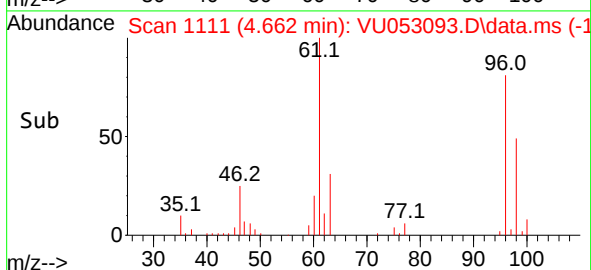
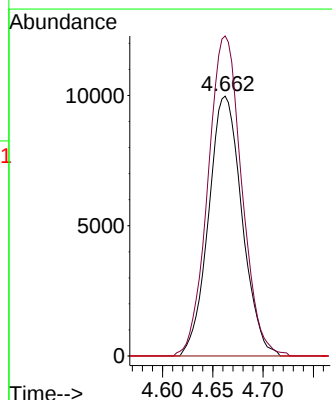
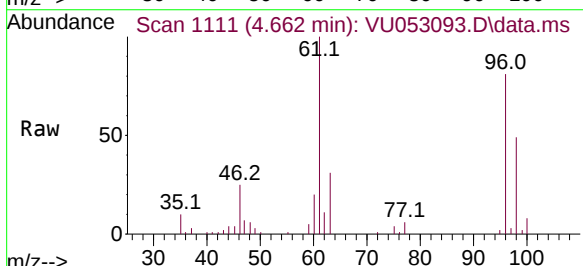
Tgt Ion: 96 Resp: 23079

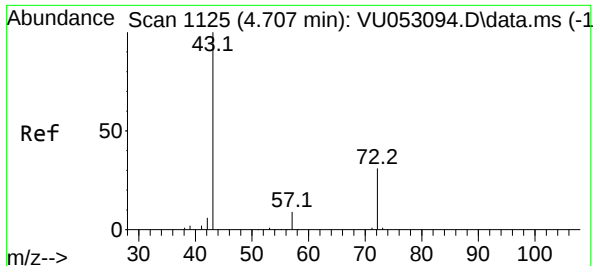
Ion Ratio Lower Upper

96 100

61 123.1 91.9 170.7

68 0.0 0.0 0.0

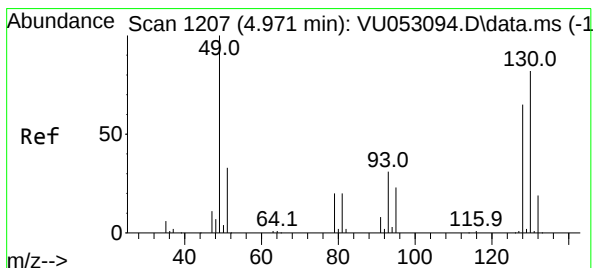
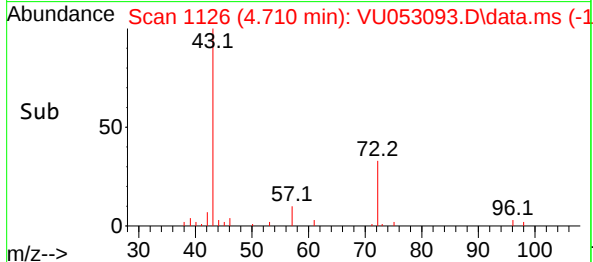
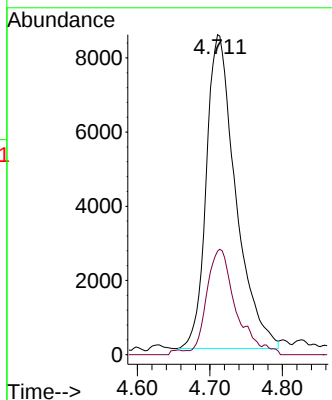
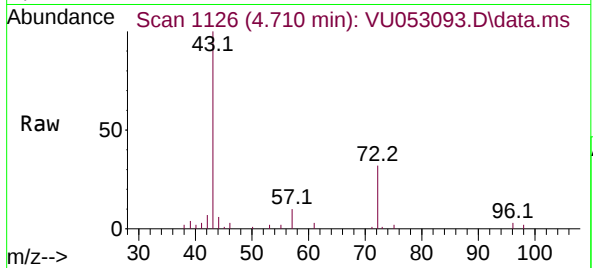




#22
2-Butanone
Concen: 23.170 ug/L
RT: 4.710 min Scan# 1125
Delta R.T. 0.003 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

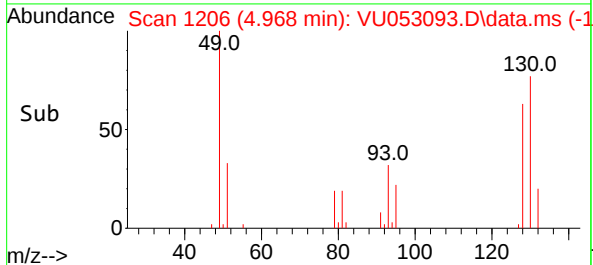
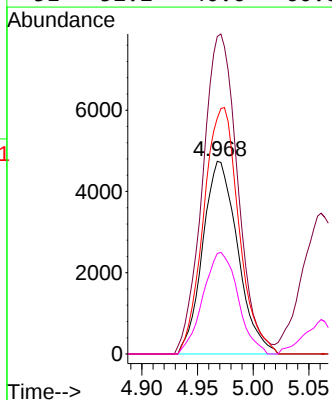
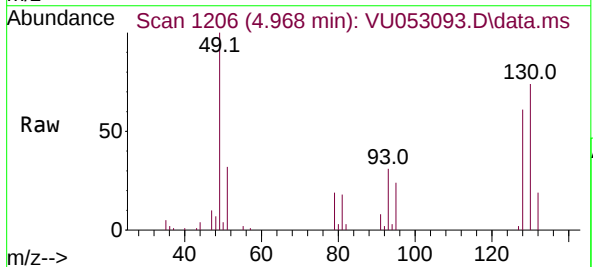
Instrument :
MSVOA_U
ClientSampleId :
VSTD010080

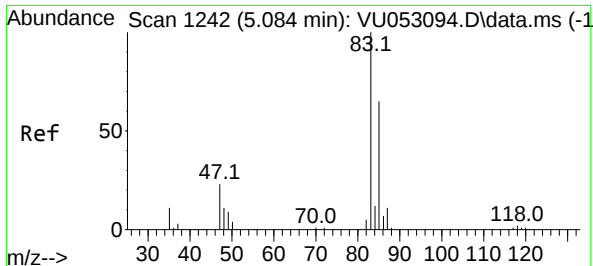
Tgt Ion: 43 Resp: 23814
Ion Ratio Lower Upper
43 100
72 27.1 16.6 49.7



#23
Bromochloromethane
Concen: 9.449 ug/L
RT: 4.968 min Scan# 1206
Delta R.T. -0.003 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

Tgt Ion: 128 Resp: 10373
Ion Ratio Lower Upper
128 100
49 164.8 107.6 199.8
130 122.3 87.9 163.3
51 52.2 40.6 60.8





#25

Chloroform

Concen: 10.893 ug/L

RT: 5.083 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

Instrument :

MSVOA_U

ClientSampleId :

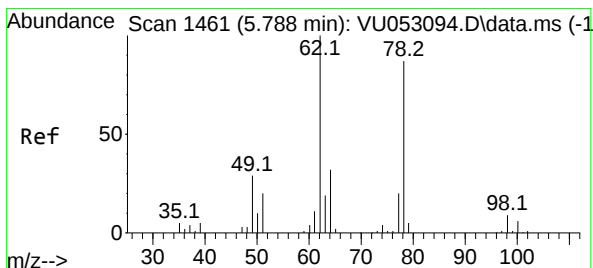
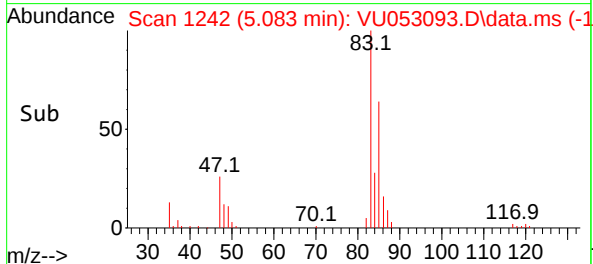
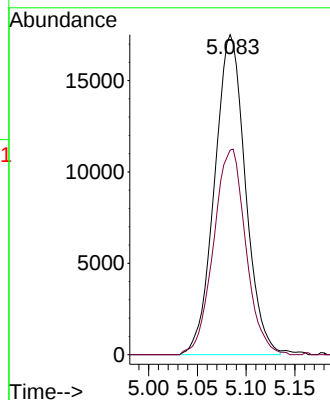
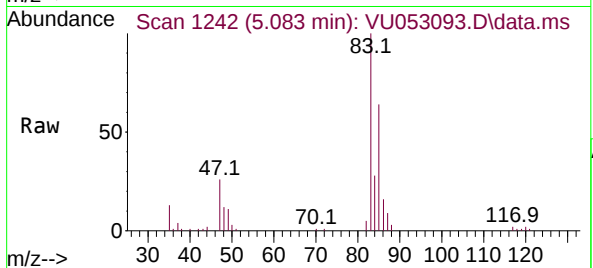
VSTD010080

Tgt Ion: 83 Resp: 38546

Ion Ratio Lower Upper

83 100

85 63.9 45.8 85.0



#27

1,2-Dichloroethane

Concen: 11.688 ug/L

RT: 5.788 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VU053093.D

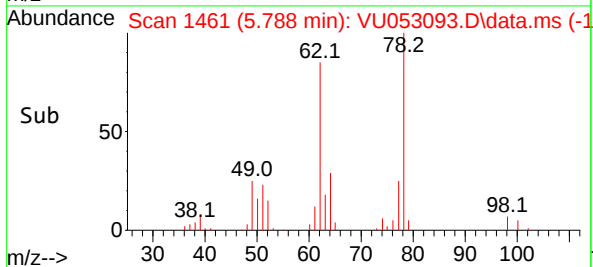
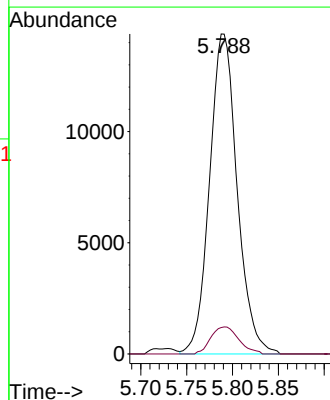
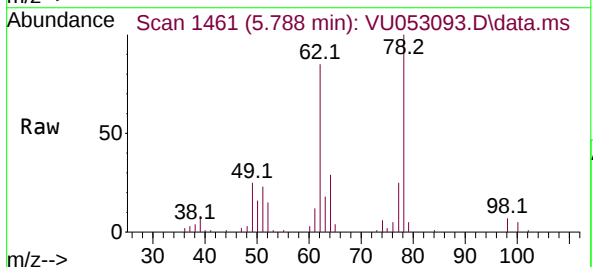
Acq: 14 Feb 2023 12:44

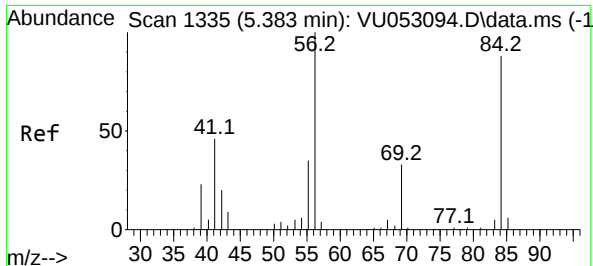
Tgt Ion: 62 Resp: 30163

Ion Ratio Lower Upper

62 100

98 8.3 7.2 10.8





#29

Cyclohexane

Concen: 12.163 ug/L

RT: 5.383 min Scan# 1335

Delta R.T. -0.000 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD010080

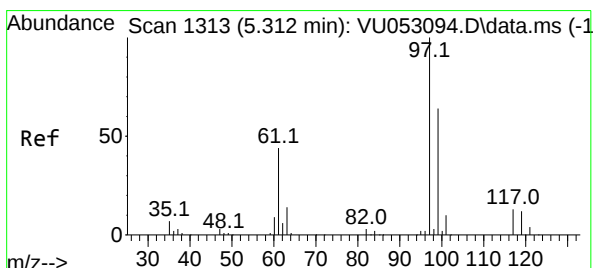
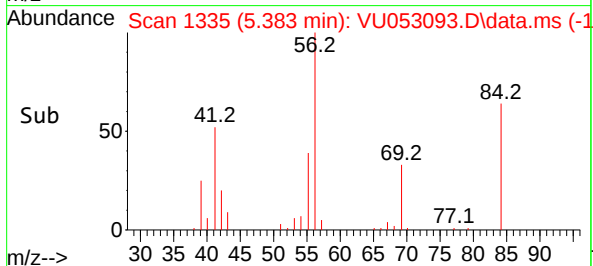
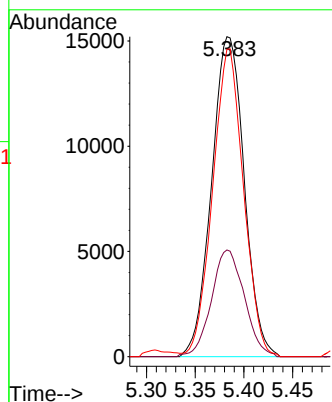
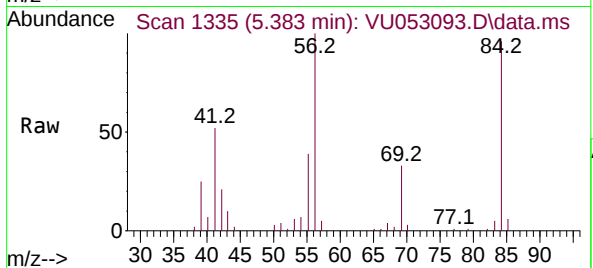
Tgt Ion: 56 Resp: 35410

Ion Ratio Lower Upper

56 100

69 33.6 25.9 38.9

84 91.0 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 10.924 ug/L

RT: 5.312 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

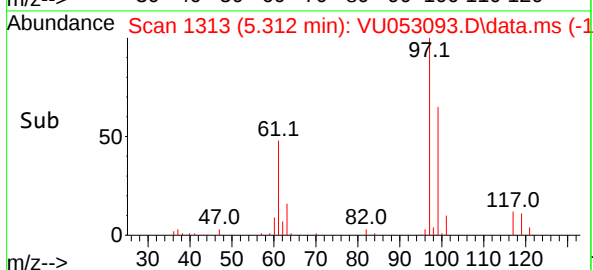
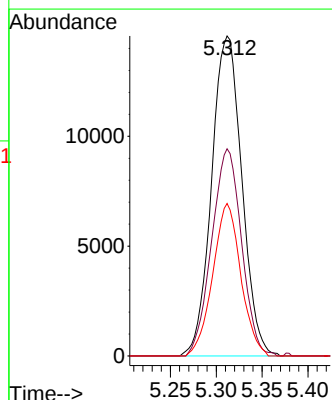
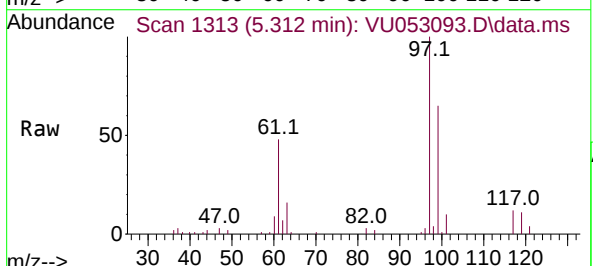
Tgt Ion: 97 Resp: 33442

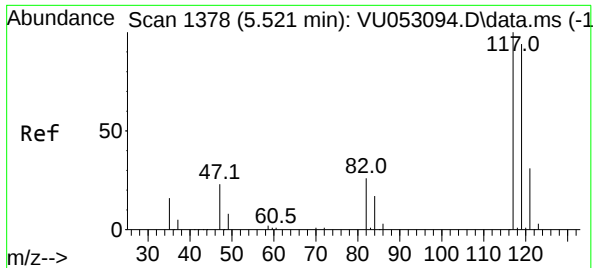
Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

61 44.2 35.3 52.9

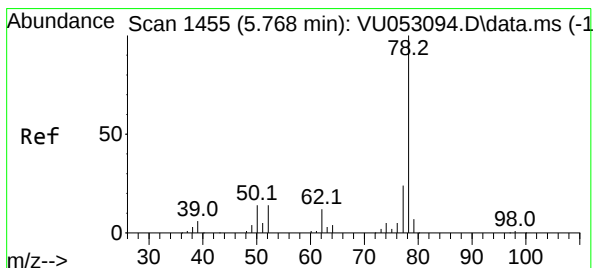
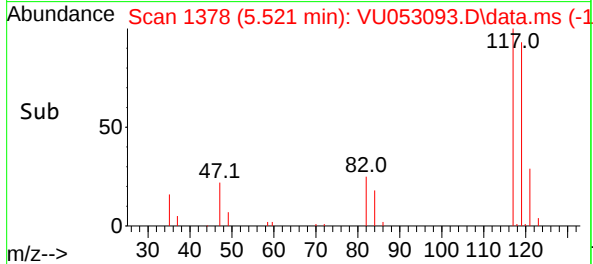
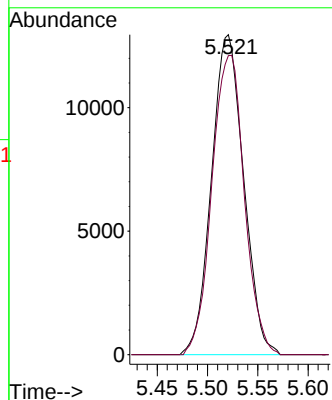
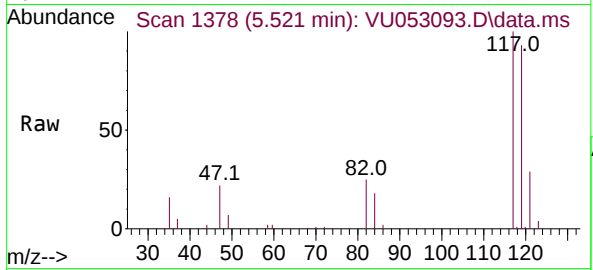




#31
Carbon tetrachloride
Concen: 10.815 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

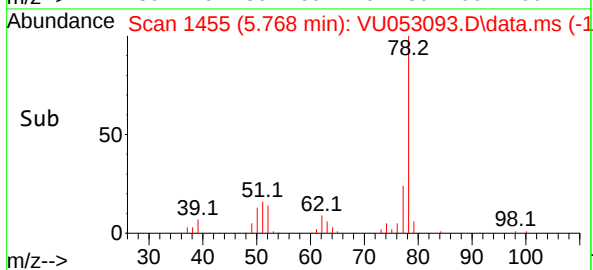
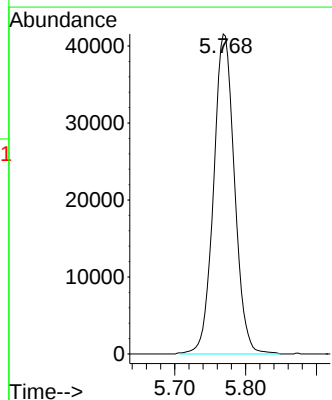
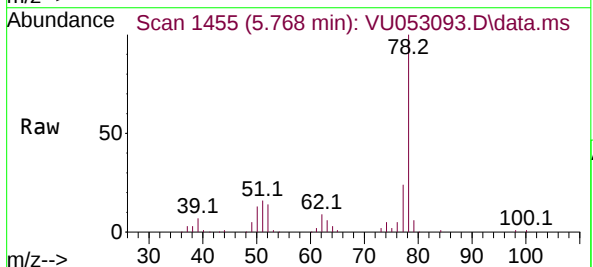
Instrument :
MSVOA_U
ClientSampleId :
VSTD010080

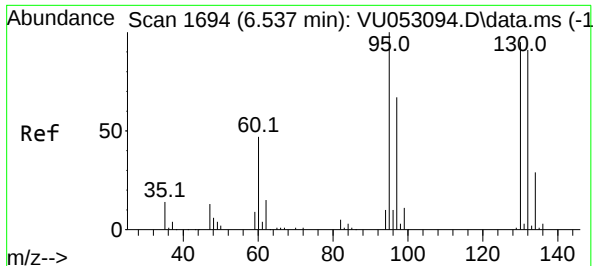
Tgt Ion:117 Resp: 28814
Ion Ratio Lower Upper
117 100
119 94.4 75.9 113.9



#33
Benzene
Concen: 11.568 ug/L
RT: 5.768 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

Tgt Ion: 78 Resp: 85290





#34

Trichloroethene

Concen: 10.971 ug/L

RT: 6.540 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD010080

Tgt Ion: 95 Resp: 21793

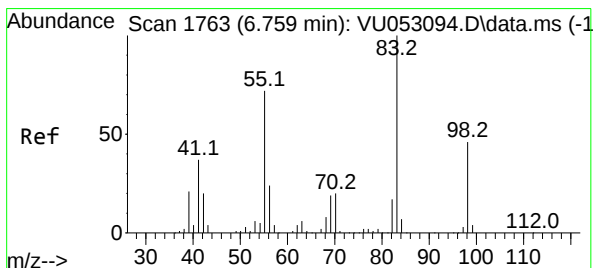
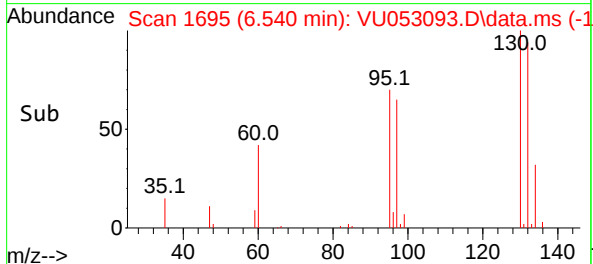
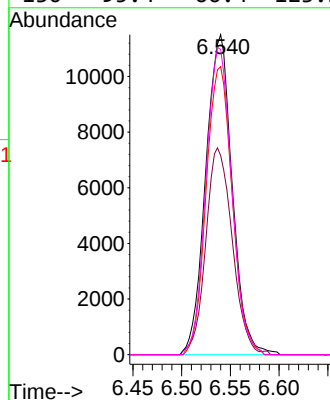
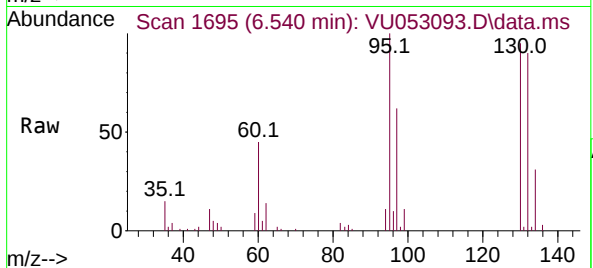
Ion Ratio Lower Upper

95 100

97 62.2 47.1 87.5

132 90.0 63.6 118.2

130 95.4 66.4 123.2



#35

Methylcyclohexane

Concen: 11.179 ug/L

RT: 6.759 min Scan# 1763

Delta R.T. -0.000 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

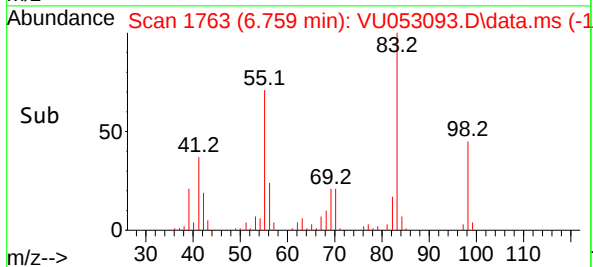
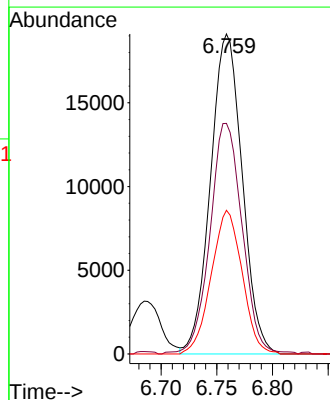
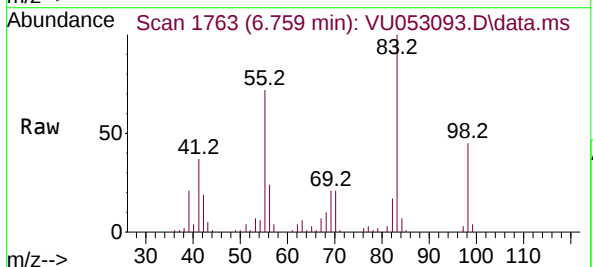
Tgt Ion: 83 Resp: 37876

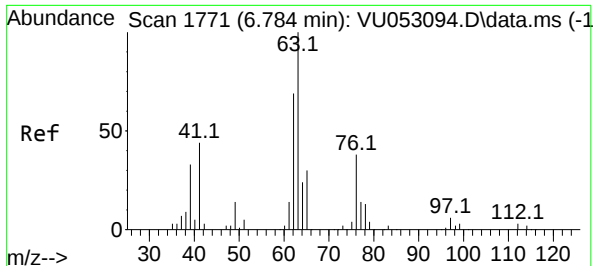
Ion Ratio Lower Upper

83 100

55 73.0 57.4 86.2

98 43.8 36.1 54.1





#37

1,2-Dichloropropane

Concen: 12.273 ug/L

RT: 6.784 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

Instrument :

MSVOA_U

ClientSampleId :

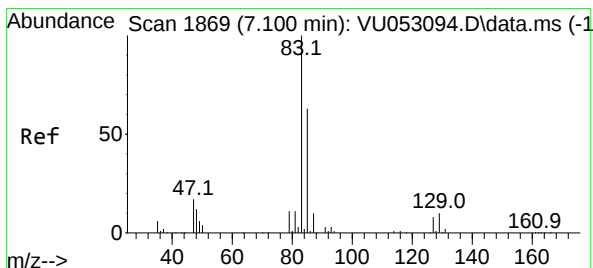
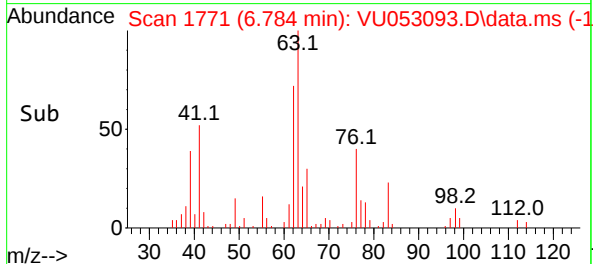
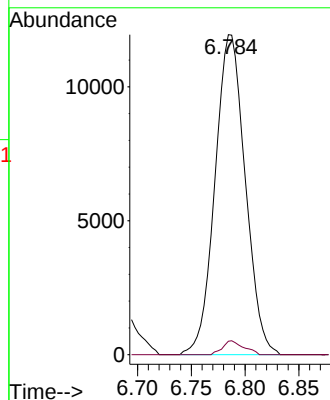
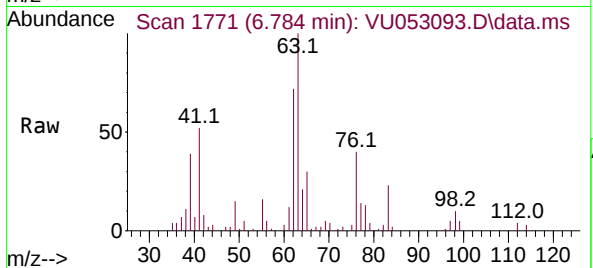
VSTD010080

Tgt Ion: 63 Resp: 23410

Ion Ratio Lower Upper

63 100

112 3.0 2.7 4.1



#38

Bromodichloromethane

Concen: 10.815 ug/L

RT: 7.099 min Scan# 1869

Delta R.T. -0.000 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

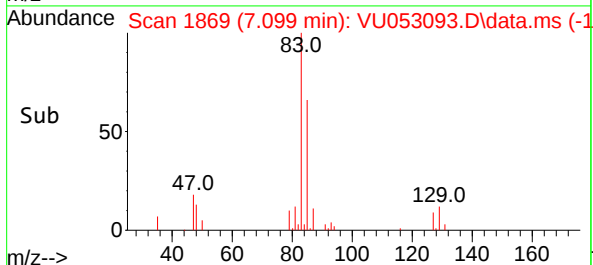
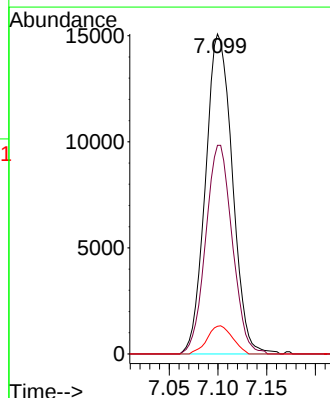
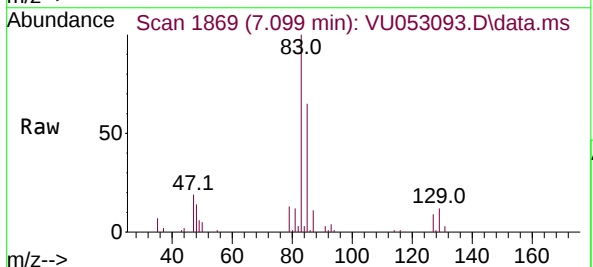
Tgt Ion: 83 Resp: 28921

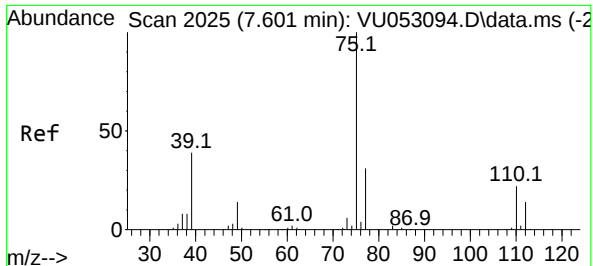
Ion Ratio Lower Upper

83 100

85 65.2 44.2 82.0

127 8.7 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 11.573 ug/L

RT: 7.604 min Scan# 2025

Delta R.T. 0.003 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

Instrument :

MSVOA_U

ClientSampleId :

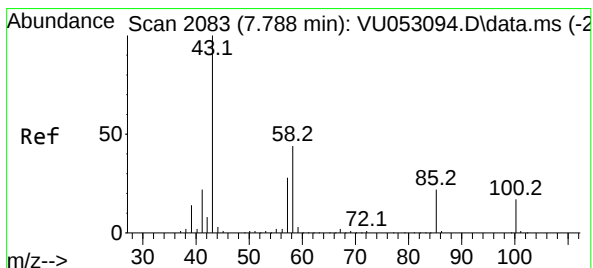
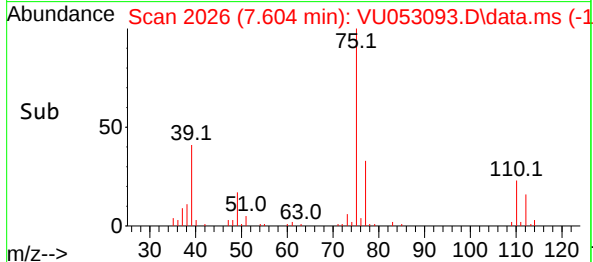
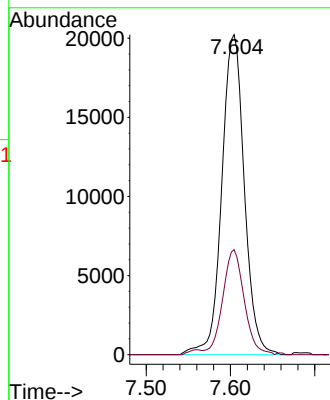
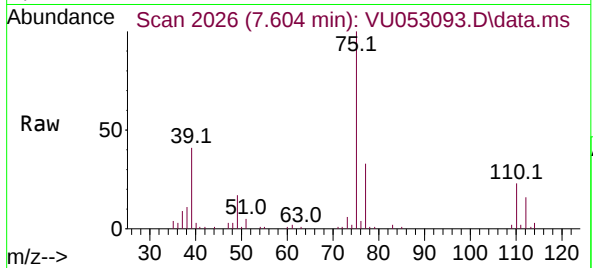
VSTD010080

Tgt Ion: 75 Resp: 37490

Ion Ratio Lower Upper

75 100

77 32.8 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 25.863 ug/L

RT: 7.788 min Scan# 2083

Delta R.T. -0.000 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

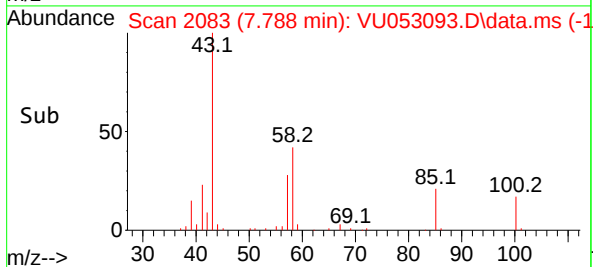
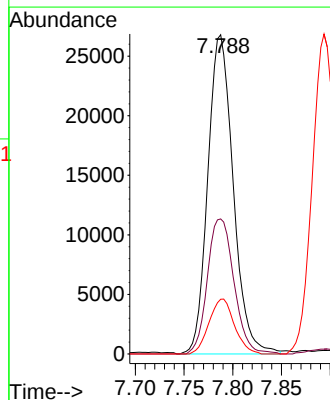
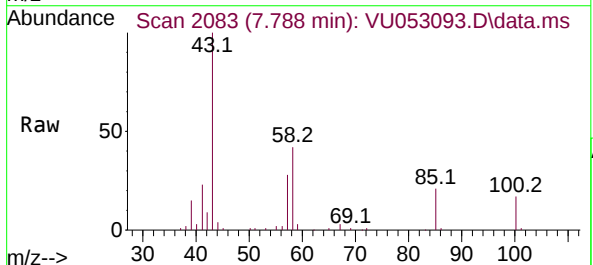
Tgt Ion: 43 Resp: 48642

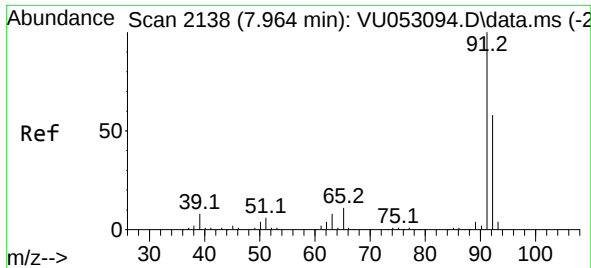
Ion Ratio Lower Upper

43 100

58 44.2 35.9 53.9

100 17.2 13.7 20.5





#42

Toluene

Concen: 10.859 ug/L

RT: 7.964 min Scan# 2138

Delta R.T. -0.000 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

Instrument :

MSVOA_U

ClientSampleId :

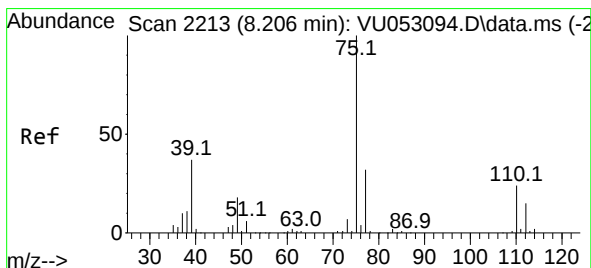
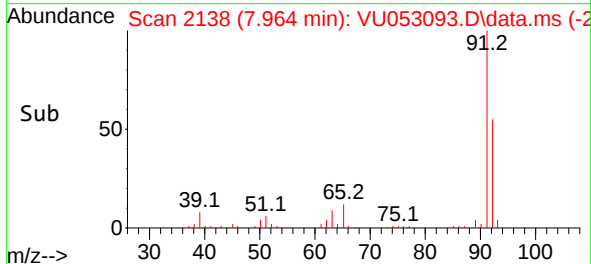
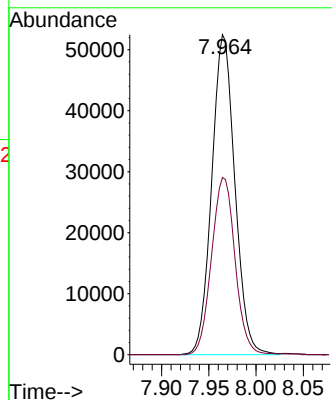
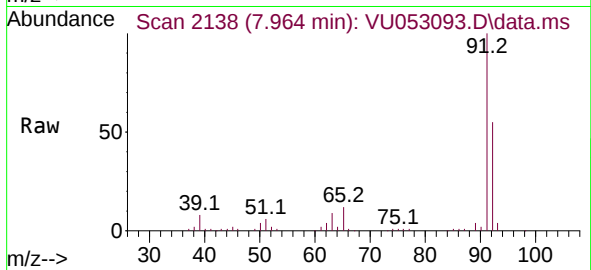
VSTD010080

Tgt Ion: 91 Resp: 89344

Ion Ratio Lower Upper

91 100

92 55.4 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 10.973 ug/L

RT: 8.206 min Scan# 2213

Delta R.T. -0.000 min

Lab File: VU053093.D

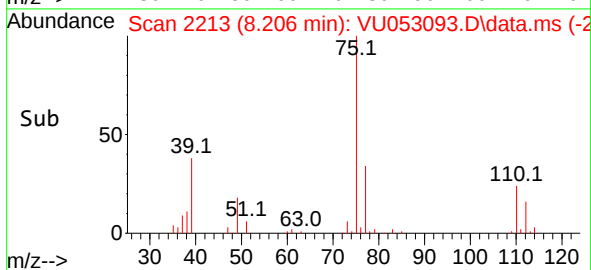
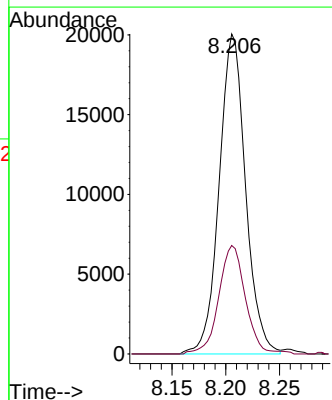
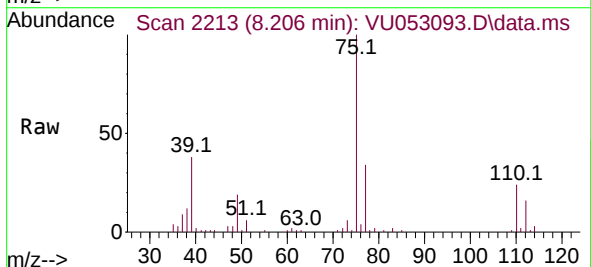
Acq: 14 Feb 2023 12:44

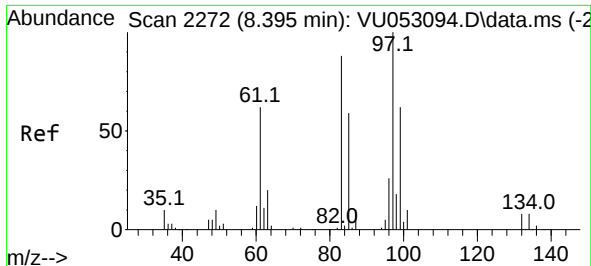
Tgt Ion: 75 Resp: 34236

Ion Ratio Lower Upper

75 100

77 33.9 22.2 41.2



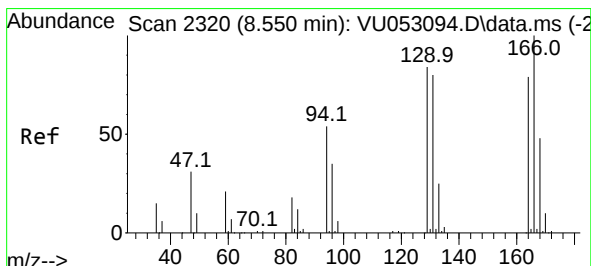
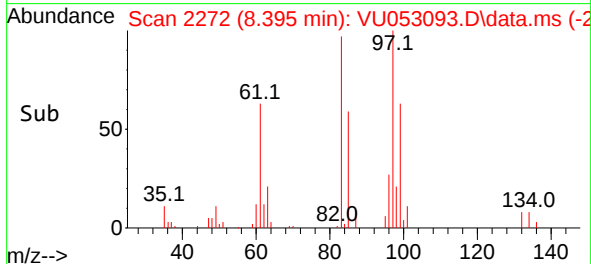
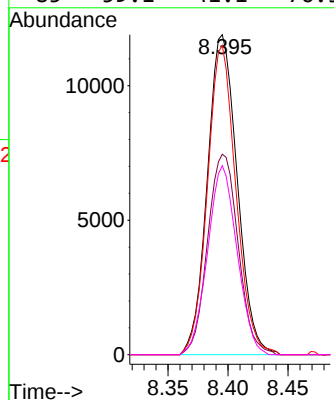
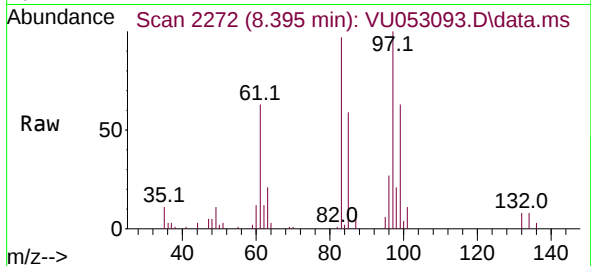


#45
1,1,2-Trichloroethane
Concen: 10.751 ug/L
RT: 8.395 min Scan# 2272
Delta R.T. -0.000 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD010080

Tgt Ion: 97 Resp: 20639

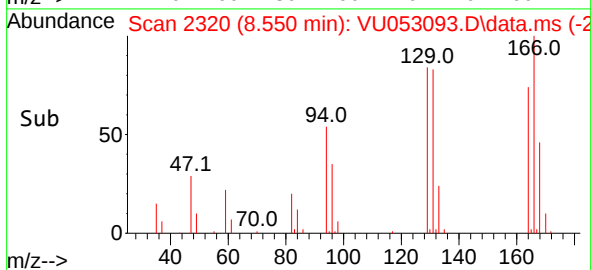
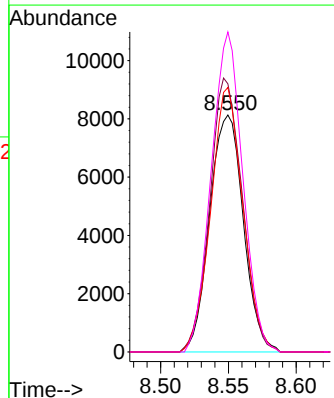
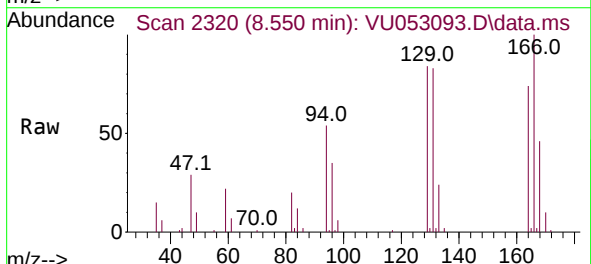
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.7	81.1
83	96.7	61.7	114.5
85	59.1	41.1	76.3

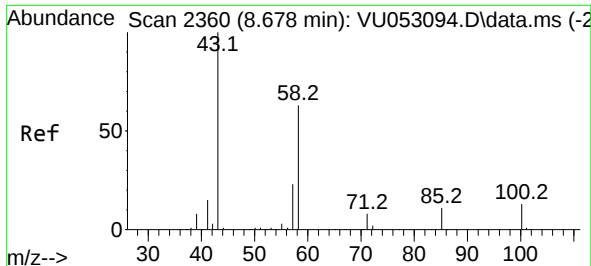


#46
Tetrachloroethene
Concen: 9.292 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. -0.000 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

Tgt Ion: 164 Resp: 14115

Ion	Ratio	Lower	Upper
164	100		
129	113.2	74.8	139.0
131	111.6	70.7	131.3
166	135.0	88.6	164.6

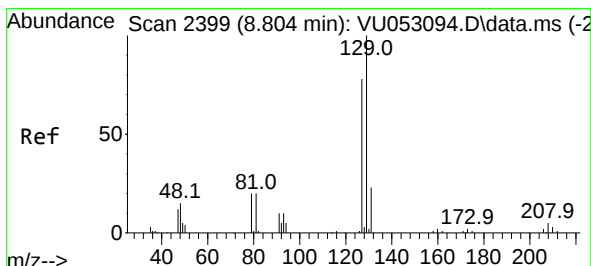
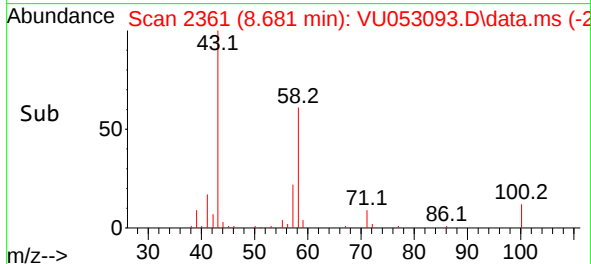
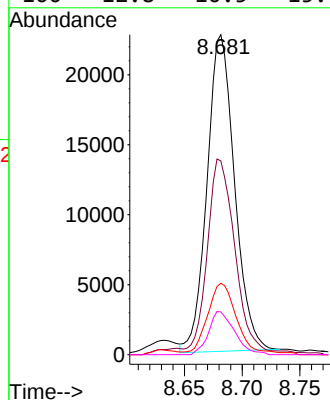
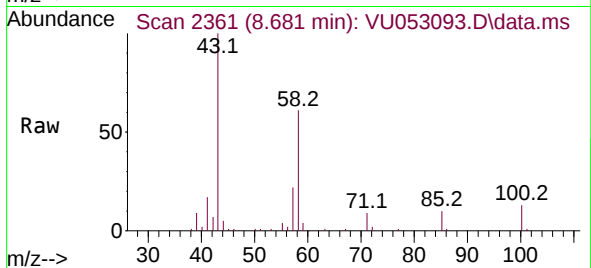




#48
2-Hexanone
Concen: 25.365 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

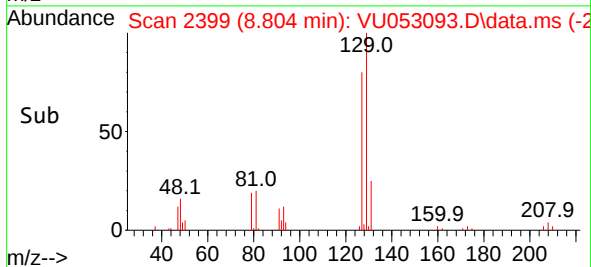
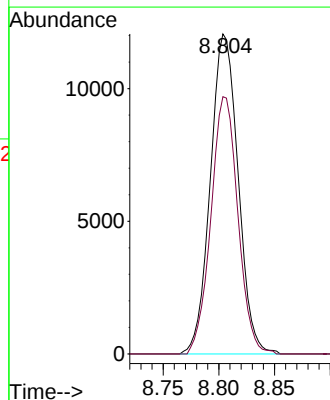
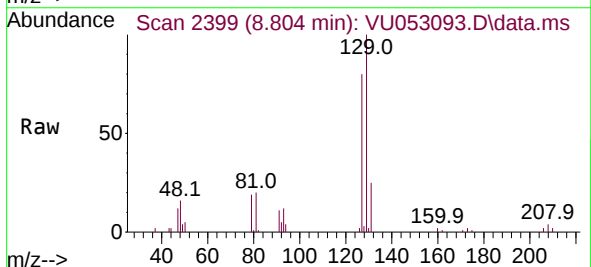
Instrument :
MSVOA_U
ClientSampleId :
VSTD010080

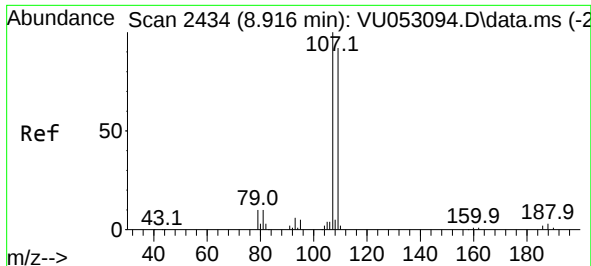
Tgt Ion:	43	Resp:	37616
Ion	Ratio	Lower	Upper
43	100		
58	60.0	50.0	75.0
57	22.6	17.7	26.5
100	12.8	10.5	15.7



#49
Dibromochloromethane
Concen: 9.383 ug/L
RT: 8.804 min Scan# 2399
Delta R.T. -0.000 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

Tgt Ion:	129	Resp:	20939
Ion	Ratio	Lower	Upper
129	100		
127	80.4	54.9	101.9





#50

1,2-Dibromoethane

Concen: 10.652 ug/L

RT: 8.919 min Scan# 2434

Delta R.T. 0.003 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD010080

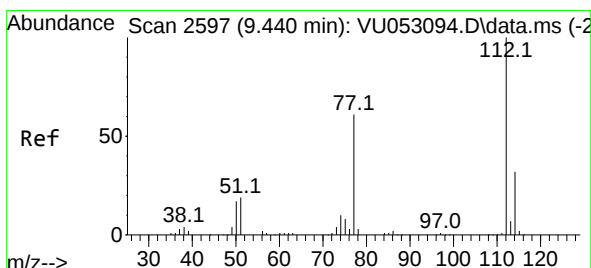
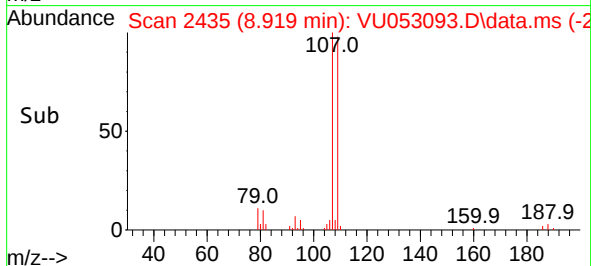
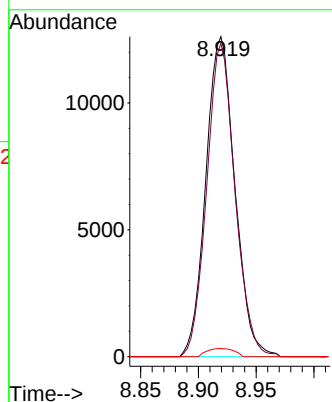
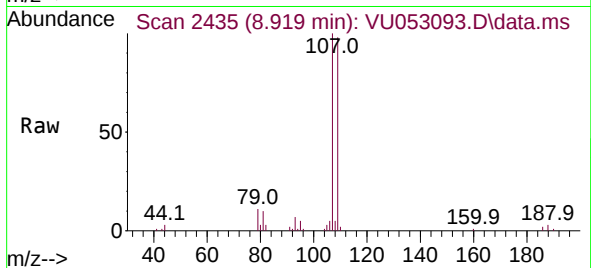
Tgt Ion:107 Resp: 22087

Ion Ratio Lower Upper

107 100

109 97.9 64.5 119.9

188 2.5 2.2 3.4



#51

Chlorobenzene

Concen: 10.356 ug/L

RT: 9.443 min Scan# 2598

Delta R.T. 0.003 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

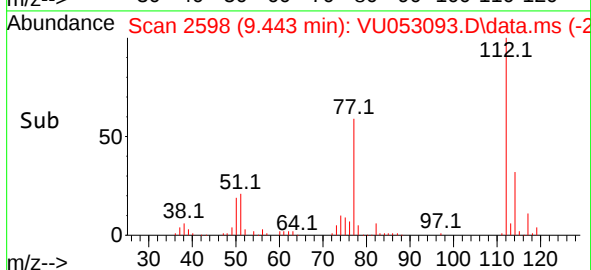
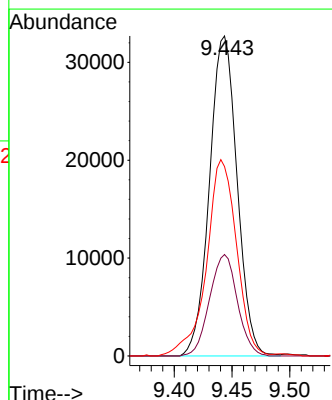
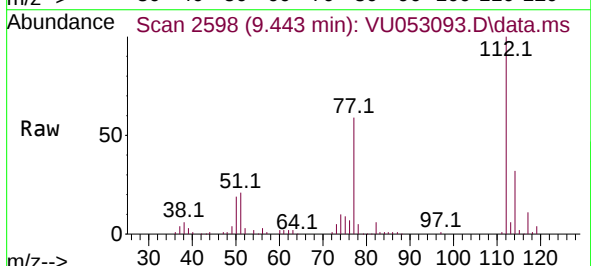
Tgt Ion:112 Resp: 54465

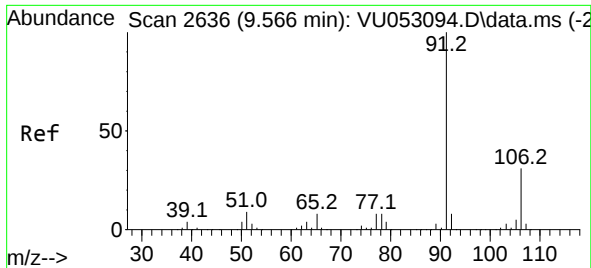
Ion Ratio Lower Upper

112 100

114 31.7 22.3 41.3

77 59.2 48.8 73.2

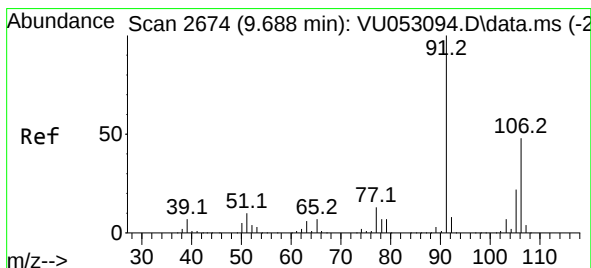
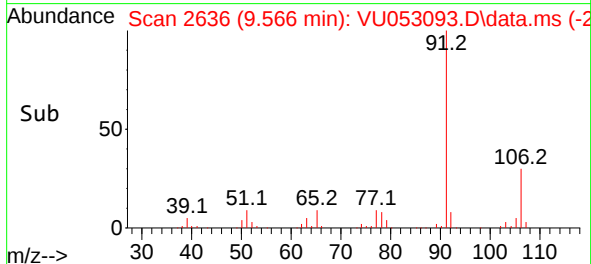
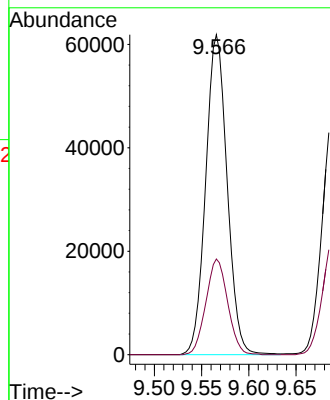
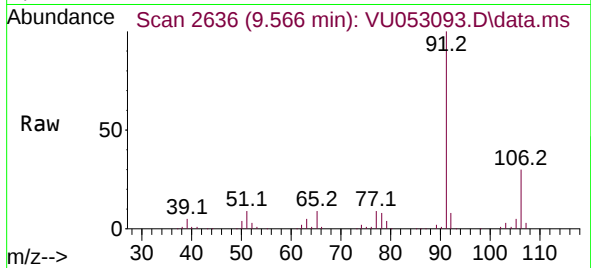




#52
Ethylbenzene
Concen: 10.715 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. -0.000 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

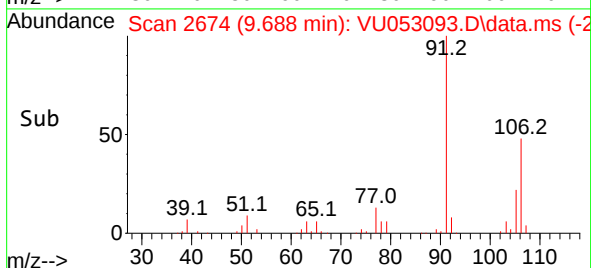
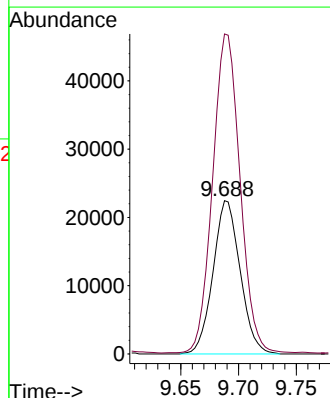
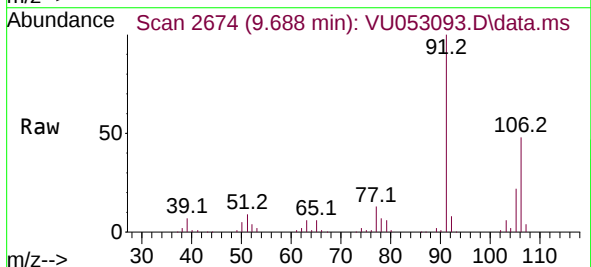
Instrument :
MSVOA_U
ClientSampleId :
VSTD010080

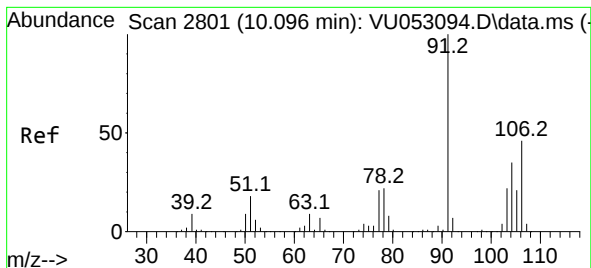
Tgt Ion: 91 Resp: 97541
Ion Ratio Lower Upper
91 100
106 29.9 21.5 39.9



#53
m,p-Xylene
Concen: 10.284 ug/L
RT: 9.688 min Scan# 2674
Delta R.T. -0.000 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

Tgt Ion: 106 Resp: 36683
Ion Ratio Lower Upper
106 100
91 208.7 145.6 270.4





#54

o-xylene

Concen: 10.215 ug/L

RT: 10.096 min Scan# 2801

Delta R.T. -0.000 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

Instrument :

MSVOA_U

ClientSampleId :

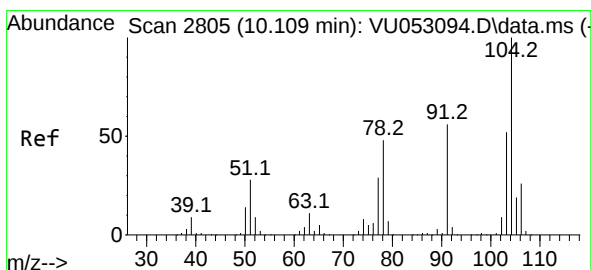
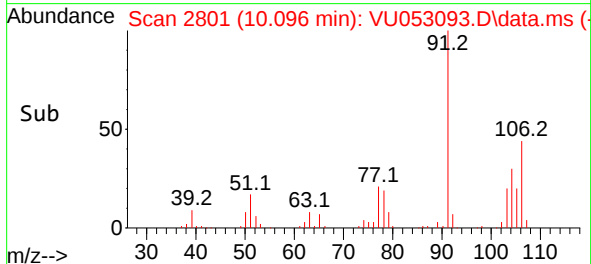
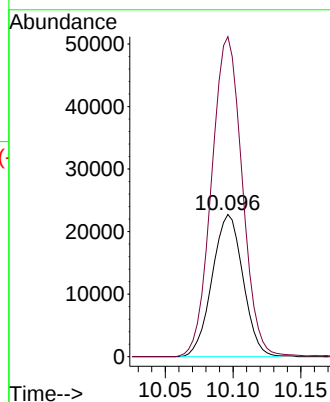
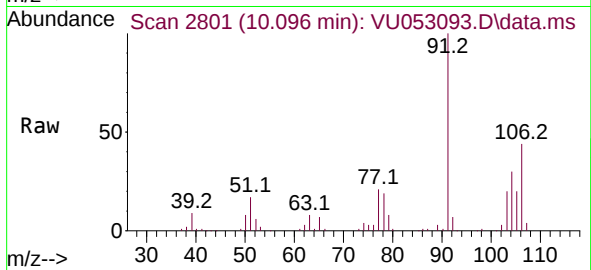
VSTD010080

Tgt Ion:106 Resp: 36003

Ion Ratio Lower Upper

106 100

91 225.1 152.8 283.8



#55

Styrene

Concen: 9.985 ug/L

RT: 10.109 min Scan# 2805

Delta R.T. -0.000 min

Lab File: VU053093.D

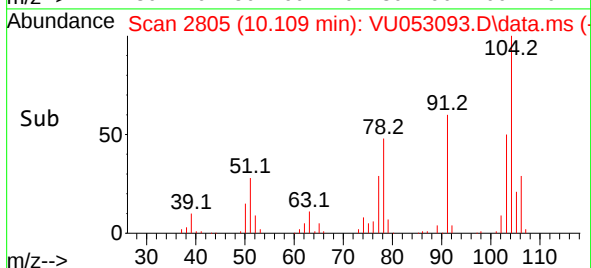
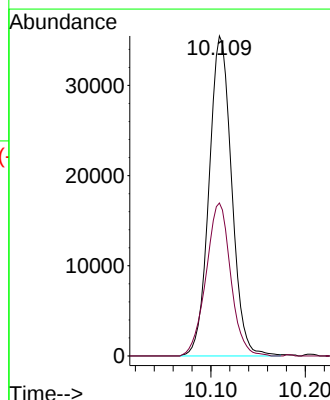
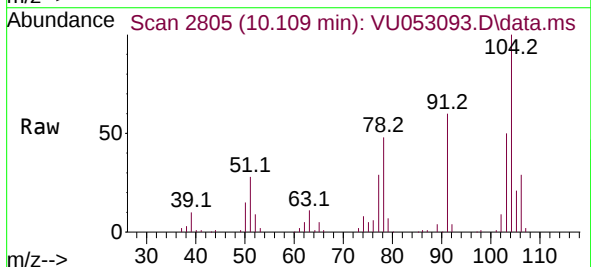
Acq: 14 Feb 2023 12:44

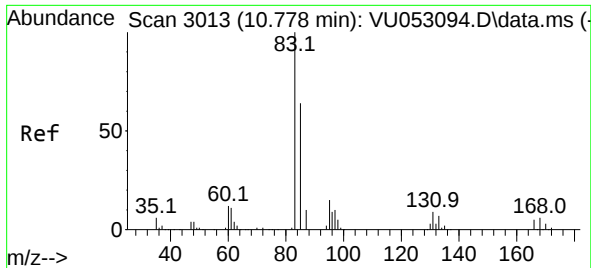
Tgt Ion:104 Resp: 59005

Ion Ratio Lower Upper

104 100

78 47.8 33.6 62.4

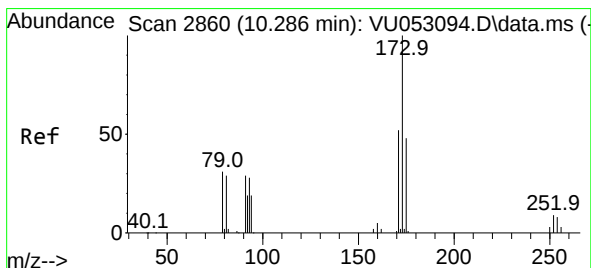
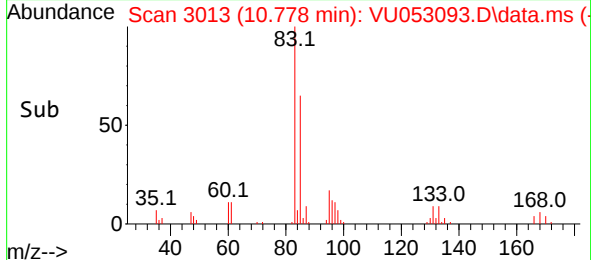
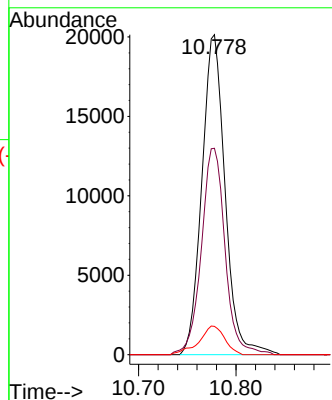
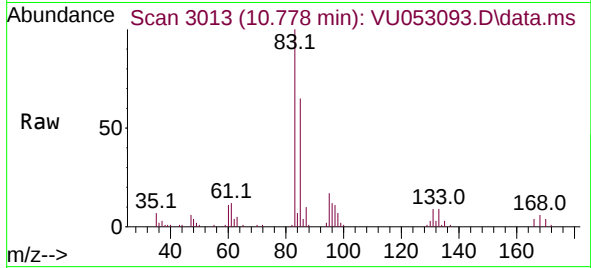




#57
 1,1,2,2-Tetrachloroethane
 Concen: 11.128 ug/L
 RT: 10.778 min Scan# 3013
 Delta R.T. -0.000 min
 Lab File: VU053093.D
 Acq: 14 Feb 2023 12:44

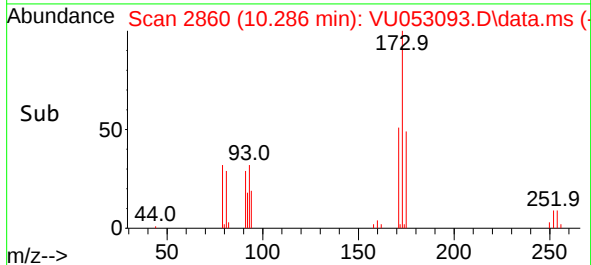
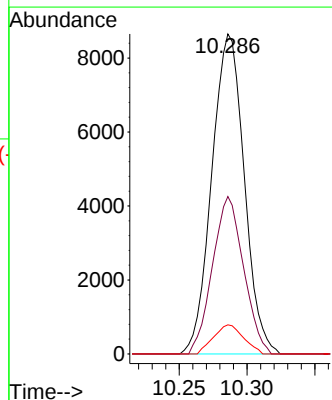
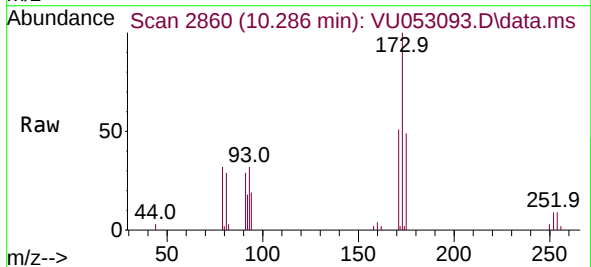
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010080

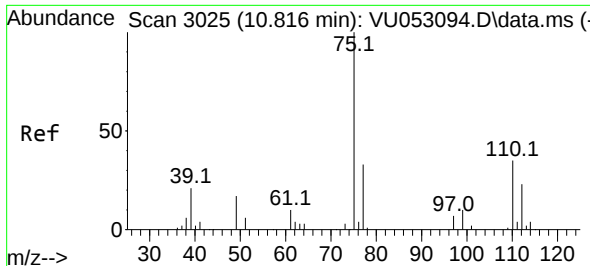
Tgt Ion: 83 Resp: 33330
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.7 82.9
 131 8.9 7.2 10.8



#59
 Bromoform
 Concen: 9.593 ug/L
 RT: 10.286 min Scan# 2860
 Delta R.T. -0.000 min
 Lab File: VU053093.D
 Acq: 14 Feb 2023 12:44

Tgt Ion:173 Resp: 14408
 Ion Ratio Lower Upper
 173 100
 175 47.1 38.8 58.2
 254 8.4 6.4 9.6

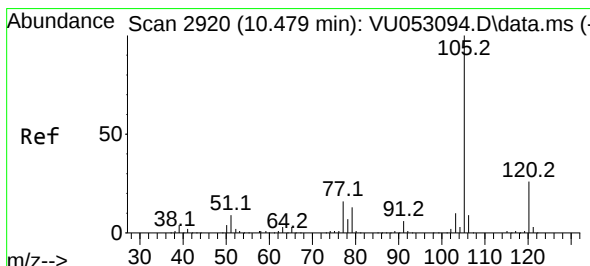
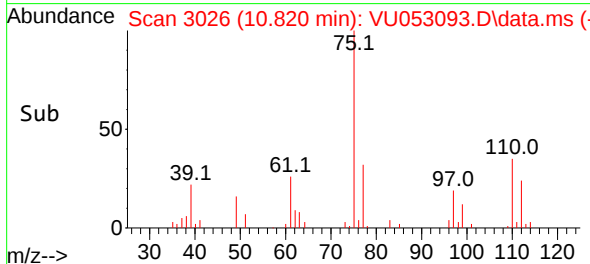
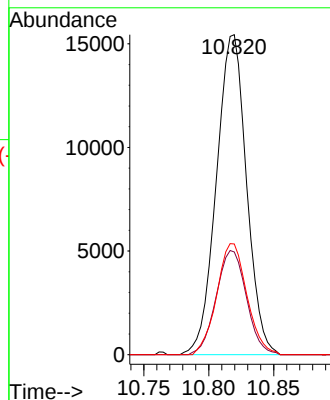
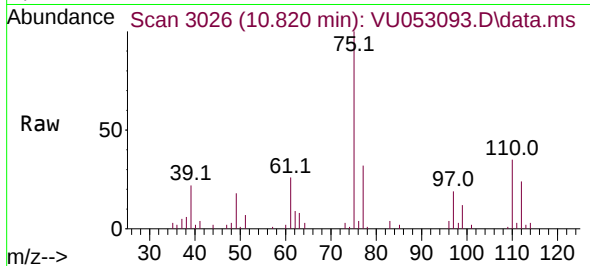




#60
1,2,3-Trichloropropane
Concen: 12.438 ug/L
RT: 10.820 min Scan# 3025
Delta R.T. 0.003 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

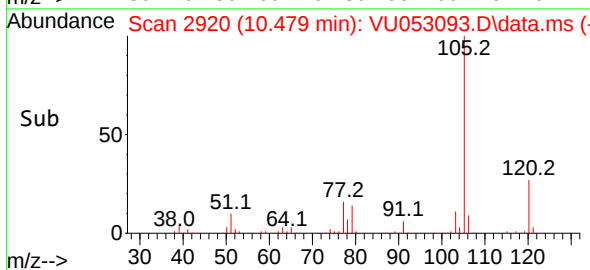
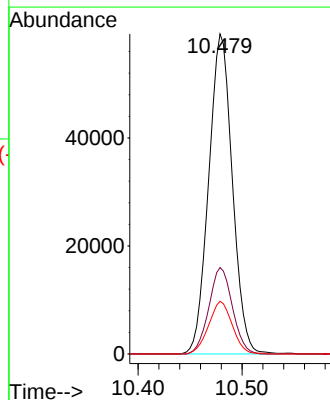
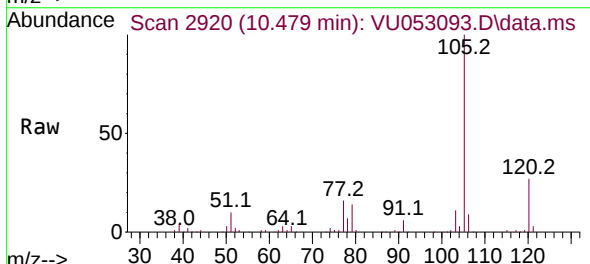
Instrument :
MSVOA_U
ClientSampleId :
VSTD010080

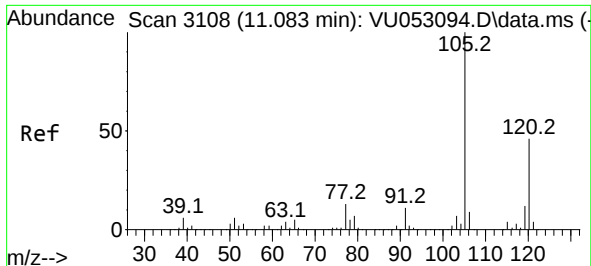
Tgt Ion: 75 Resp: 24890
Ion Ratio Lower Upper
75 100
77 32.7 26.6 39.8
110 34.8 28.6 42.8



#61
Isopropylbenzene
Concen: 11.317 ug/L
RT: 10.479 min Scan# 2920
Delta R.T. -0.000 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

Tgt Ion: 105 Resp: 93667
Ion Ratio Lower Upper
105 100
120 26.8 20.8 31.2
77 16.4 12.8 19.2

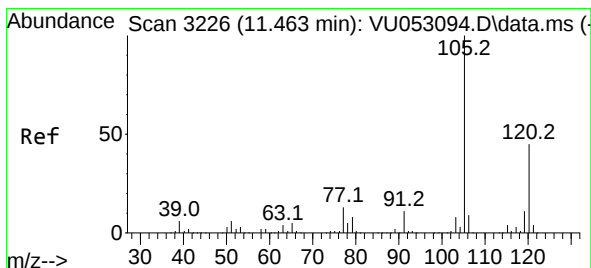
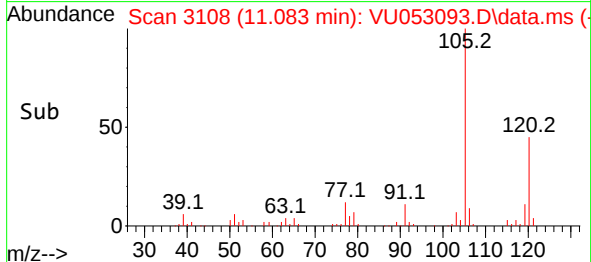
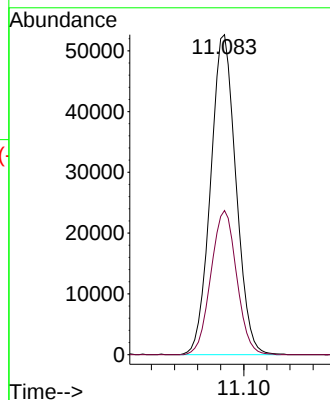
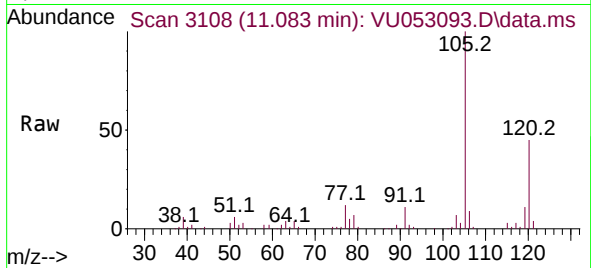




#62
1,3,5-Trimethylbenzene
Concen: 11.147 ug/L
RT: 11.083 min Scan# 3108
Delta R.T. -0.000 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

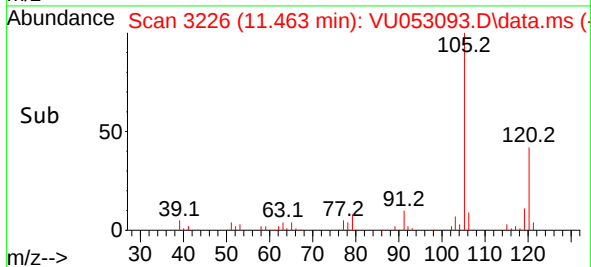
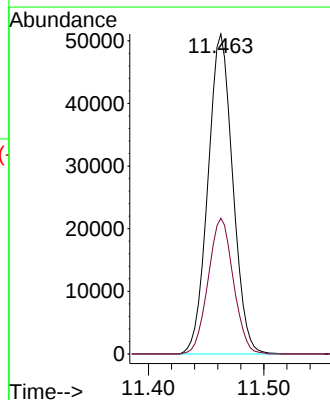
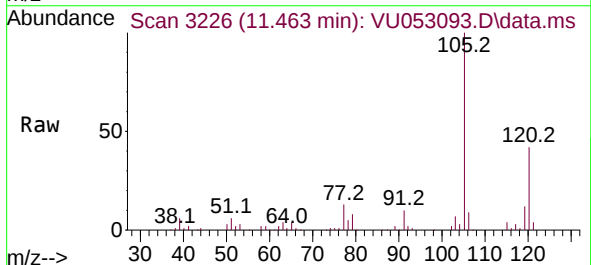
Instrument :
MSVOA_U
ClientSampleId :
VSTD010080

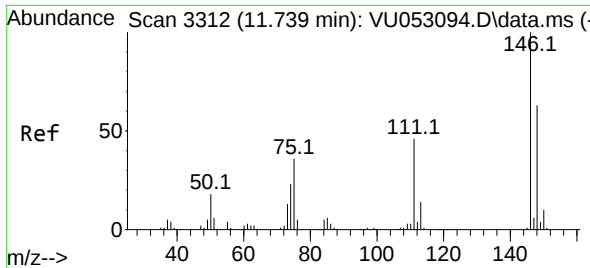
Tgt Ion:105 Resp: 80276
Ion Ratio Lower Upper
105 100
120 45.6 37.2 55.8



#63
1,2,4-Trimethylbenzene
Concen: 10.920 ug/L
RT: 11.463 min Scan# 3226
Delta R.T. -0.000 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

Tgt Ion:105 Resp: 76291
Ion Ratio Lower Upper
105 100
120 43.0 35.4 53.2

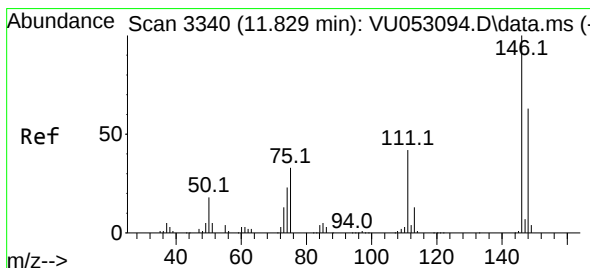
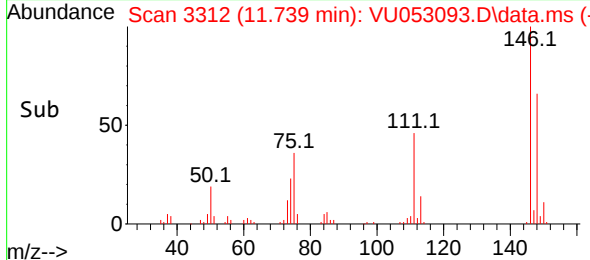
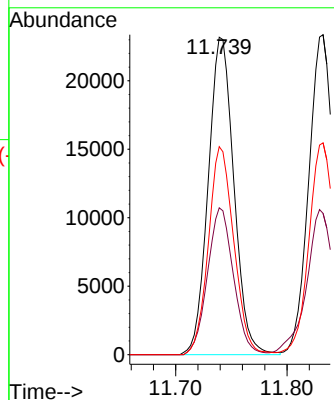
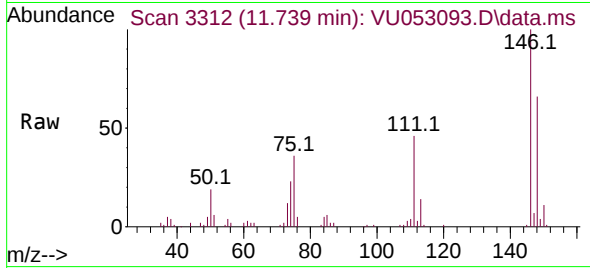




#64
1,3-Dichlorobenzene
Concen: 10.257 ug/L
RT: 11.739 min Scan# 3312
Delta R.T. -0.000 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

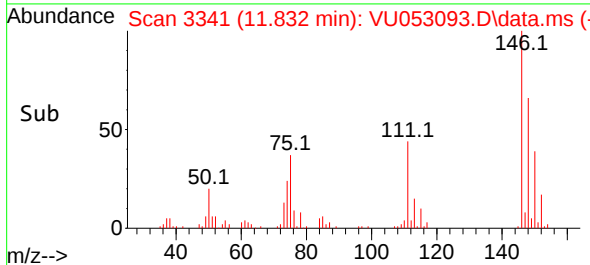
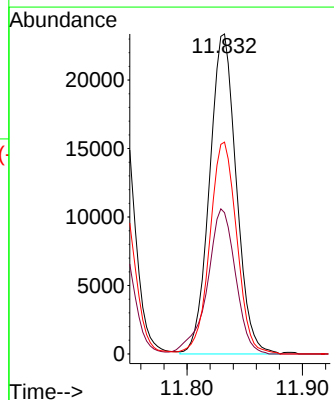
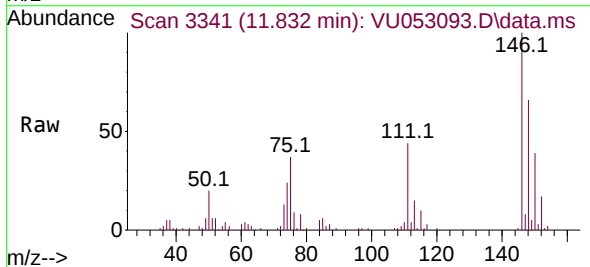
Instrument :
MSVOA_U
ClientSampleId :
VSTD010080

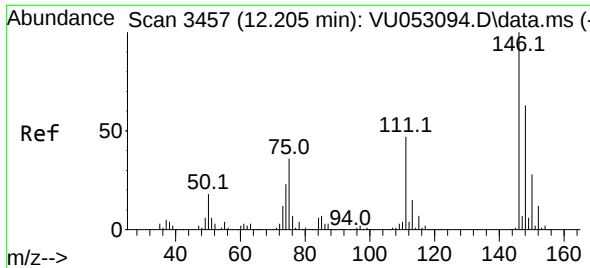
Tgt Ion:146 Resp: 37151
Ion Ratio Lower Upper
146 100
111 46.3 32.1 59.5
148 65.5 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 10.300 ug/L
RT: 11.832 min Scan# 3341
Delta R.T. 0.003 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

Tgt Ion:146 Resp: 37687
Ion Ratio Lower Upper
146 100
111 44.1 29.9 55.5
148 66.2 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 10.391 ug/L

RT: 12.205 min Scan# 3457

Delta R.T. -0.000 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD010080

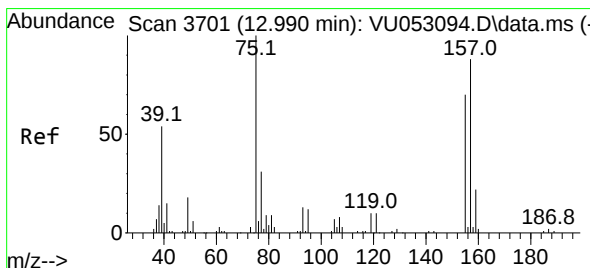
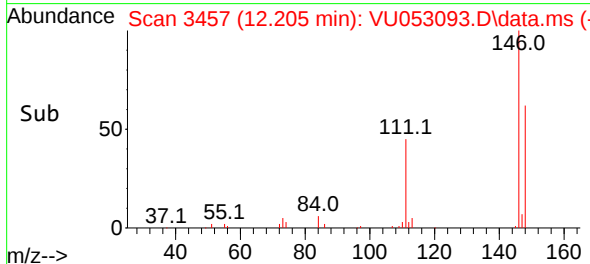
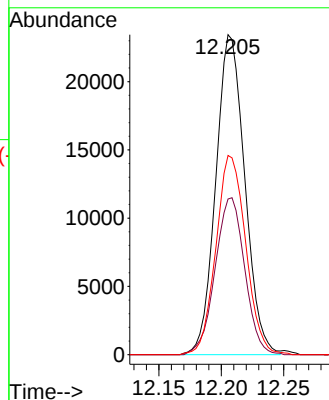
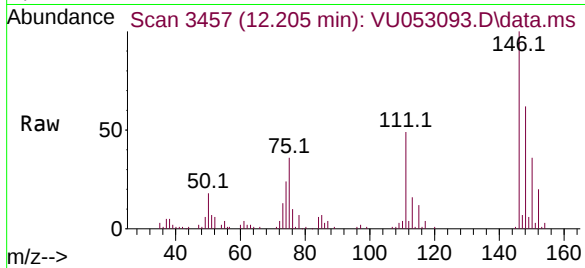
Tgt Ion:146 Resp: 38018

Ion Ratio Lower Upper

146 100

111 48.7 37.8 56.6

148 62.2 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 11.329 ug/L

RT: 12.990 min Scan# 3701

Delta R.T. -0.000 min

Lab File: VU053093.D

Acq: 14 Feb 2023 12:44

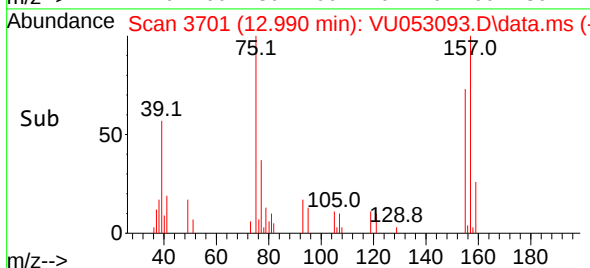
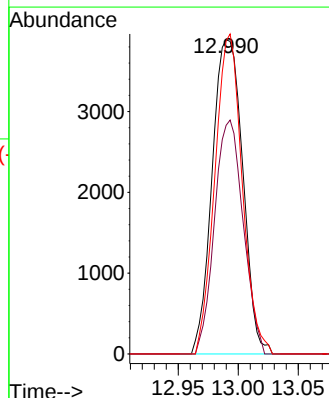
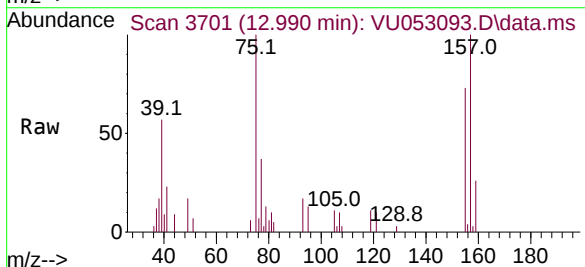
Tgt Ion: 75 Resp: 6877

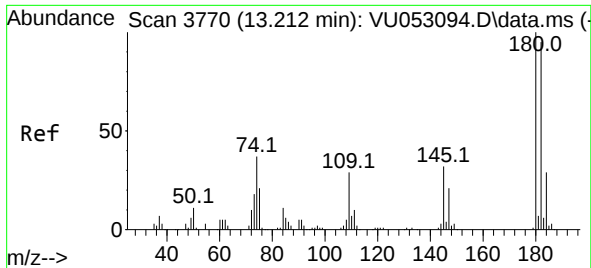
Ion Ratio Lower Upper

75 100

155 72.8 55.8 83.6

157 99.6 70.7 106.1

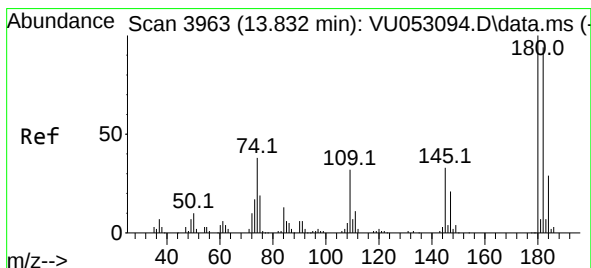
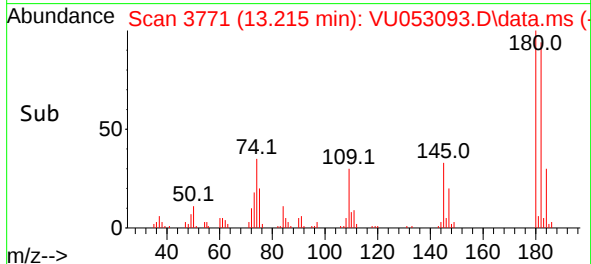
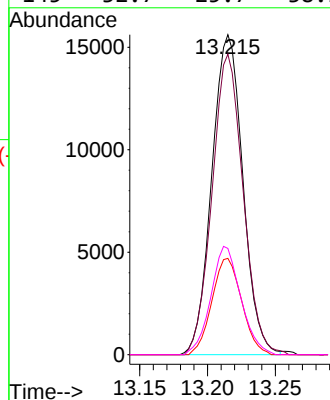
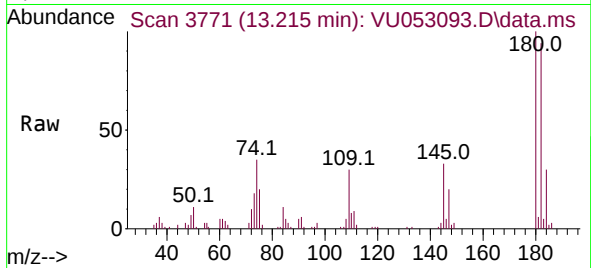




#69
 1,3,5-Trichlorobenzene
 Concen: 9.138 ug/L
 RT: 13.215 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU053093.D
 Acq: 14 Feb 2023 12:44

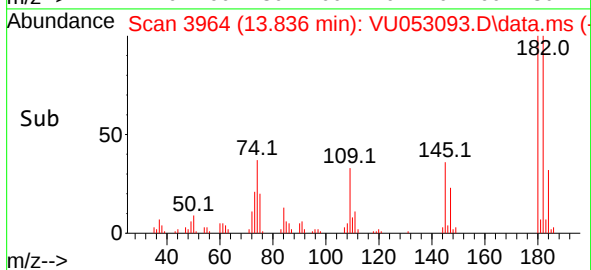
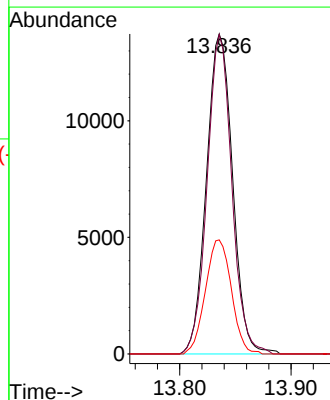
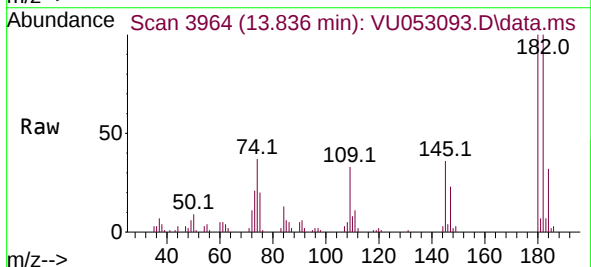
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010080

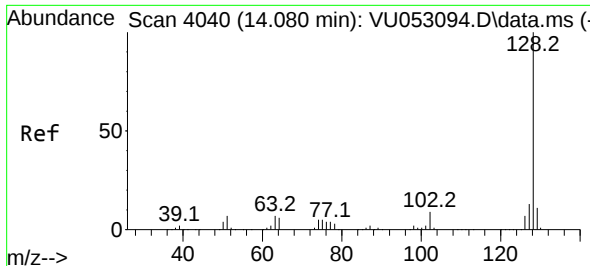
Tgt Ion:180	Resp:	24845
Ion Ratio	Lower	Upper
180	100	
182	93.7	76.9 115.3
184	28.9	23.7 35.5
145	32.7	25.7 38.5



#70
 1,2,4-trichlorobenzene
 Concen: 9.137 ug/L
 RT: 13.836 min Scan# 3964
 Delta R.T. 0.003 min
 Lab File: VU053093.D
 Acq: 14 Feb 2023 12:44

Tgt Ion:180	Resp:	22378
Ion Ratio	Lower	Upper
180	100	
182	94.2	76.4 114.6
145	35.3	26.8 40.2

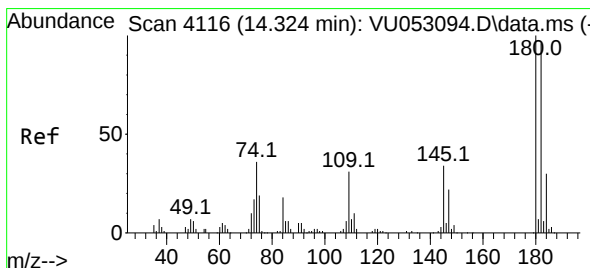
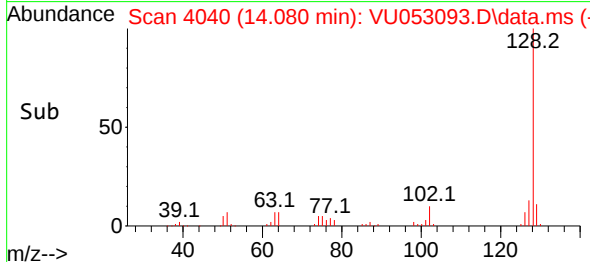
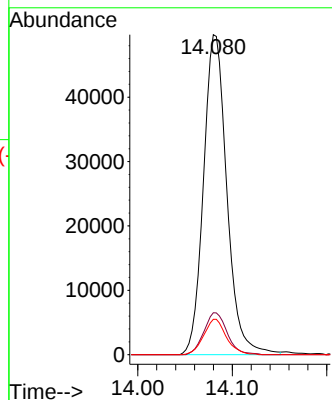
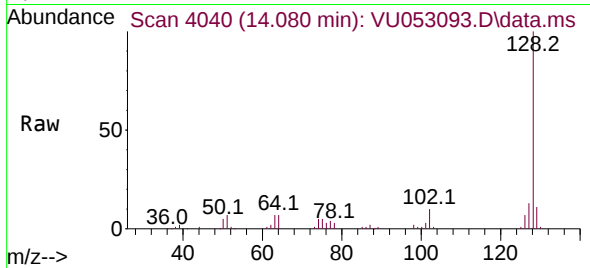




#71
Naphthalene
Concen: 11.358 ug/L
RT: 14.080 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD010080

Tgt Ion:	128	Resp:	85416
Ion Ratio	Lower	Upper	
128	100		
127	13.0	9.9	14.9
129	10.7	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 9.113 ug/L
RT: 14.324 min Scan# 4116
Delta R.T. -0.000 min
Lab File: VU053093.D
Acq: 14 Feb 2023 12:44

Tgt Ion:	180	Resp:	21894
Ion Ratio	Lower	Upper	
180	100		
182	99.1	75.4	113.2
145	36.4	28.2	42.2

