

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021023\
 Data File : VU053031.D
 Acq On : 10 Feb 2023 11:46
 Operator : JC/MD
 Sample : VSTD00509
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005009

Quant Time: Feb 10 23:03:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 10 23:01:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	131159	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	118068	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	57324	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	29913	4.761	ug/L	0.00
7) Chloroethane-d5	1.913	69	28451	4.817	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.566	65	13094	4.543	ug/L	0.00
20) 2-Butanone-d5	4.643	46	97249	50.537	ug/L	0.00
24) Chloroform-d	5.058	84	69238	4.788	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	33773	4.636	ug/L	0.00
32) Benzene-d6	5.723	84	123534	4.656	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	42307	4.578	ug/L	0.00
41) Toluene-d8	7.894	98	108123	4.511	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	17212	4.601	ug/L	0.00
46) 2-Hexanone-d5	8.630	63	80927	48.726	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.752	84	38640	4.869	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	40963	4.783	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	48711	5.058	ug/L	100
3) Chloromethane	1.518	50	50683	5.051	ug/L	100
5) Vinyl chloride	1.601	62	58302	5.274	ug/L	100
6) Bromomethane	1.855	94	35264	5.130	ug/L	100
8) Chloroethane	1.933	64	32694	5.023	ug/L	100
9) Trichlorofluoromethane	2.138	101	78389	5.148	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	43253	5.159	ug/L	100
12) 1,1-Dichloroethene	2.579	96	39900	5.142	ug/L	100
13) Acetone	2.669	43	56998	41.028	ug/L	96
14) Carbon disulfide	2.791	76	122583	5.232	ug/L	100
15) Methyl Acetate	2.961	43	14997	4.523	ug/L	# 91
16) Methylene chloride	3.042	84	44299	4.935	ug/L	100
17) Methyl tert-butyl Ether	3.360	73	109218	5.184	ug/L	100
18) trans-1,2-Dichloroethene	3.351	96	40336	4.913	ug/L	100
19) 1,1-Dichloroethane	3.865	63	79655	5.151	ug/L	100
21) 2-Butanone	4.723	43	98480	47.839	ug/L	96
22) cis-1,2-Dichloroethene	4.662	96	46503	5.019	ug/L	100
23) Bromochloromethane	4.971	128	19733	5.377	ug/L	100
25) Chloroform	5.084	83	82614	5.111	ug/L	100
27) 1,2-Dichloroethane	5.791	62	51551	5.188	ug/L	100
29) 1,1,1-Trichloroethane	5.312	97	73300	5.197	ug/L	100
30) Cyclohexane	5.386	56	71671	5.082	ug/L	100
31) Carbon tetrachloride	5.521	117	61025	5.184	ug/L	100
33) Benzene	5.772	78	175627	5.162	ug/L	100
34) Trichloroethene	6.537	95	47438	4.955	ug/L	100
35) Methylcyclohexane	6.759	83	78377	5.057	ug/L	100
37) 1,2-Dichloropropane	6.788	63	47880	5.168	ug/L	100
38) Bromodichloromethane	7.103	83	60414	5.029	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	77343	5.234	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	250095	51.714	ug/L	100
42) Toluene	7.965	91	188337	5.096	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	62761	5.149	ug/L	100

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

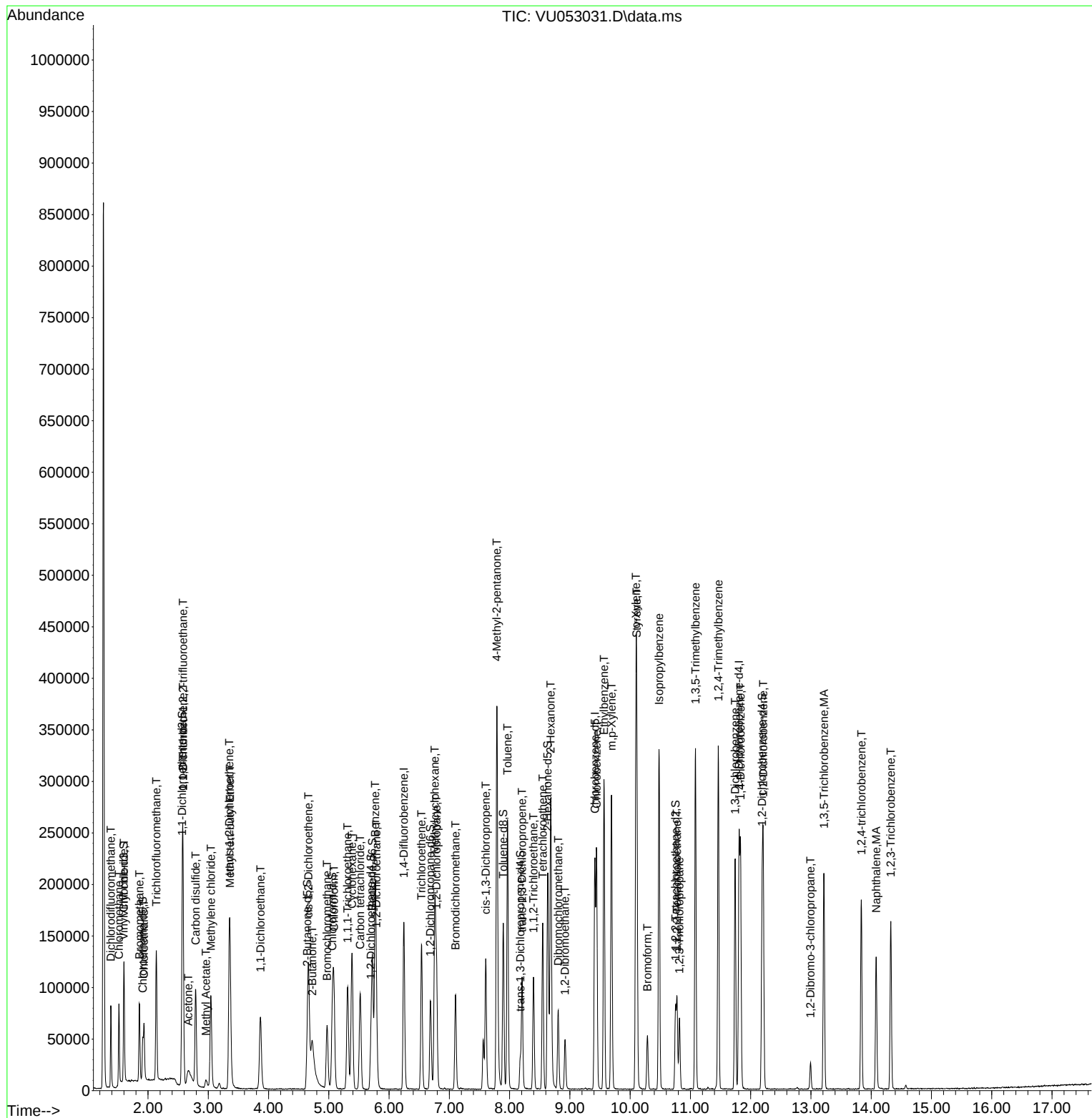
45) 1,1,2-Trichloroethane	8.395	97	34193	5.123	ug/L	100
47) Tetrachloroethene	8.550	164	31937	5.132	ug/L	100
48) 2-Hexanone	8.682	43	182213	51.336	ug/L	100
49) Dibromochloromethane	8.807	129	37461	5.148	ug/L	100
50) 1,2-Dibromoethane	8.919	107	31958	5.189	ug/L	100
51) Chlorobenzene	9.444	112	118408	5.136	ug/L	100
52) Ethylbenzene	9.566	91	214741	5.120	ug/L	100
53) m,p-Xylene	9.691	106	81008	5.165	ug/L	100
54) o-Xylene	10.096	106	78774	5.182	ug/L	100
55) Styrene	10.109	104	130561	5.294	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	43231	5.119	ug/L	100
59) Bromoform	10.286	173	22083	5.300	ug/L	100
60) Isopropylbenzene	10.479	105	215069	5.186	ug/L	100
61) 1,2,3-Trichloropropane	10.816	75	28687	5.212	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	181061	5.170	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	181581	5.180	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	86785	5.167	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	85342	5.071	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	80669	5.151	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.993	75	7257	5.609	ug/L	100
69) 1,3,5-Trichlorobenzene	13.215	180	61553	5.145	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	52016	5.237	ug/L	100
71) Naphthalene	14.083	128	102104	5.126	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	45667	5.210	ug/L	100

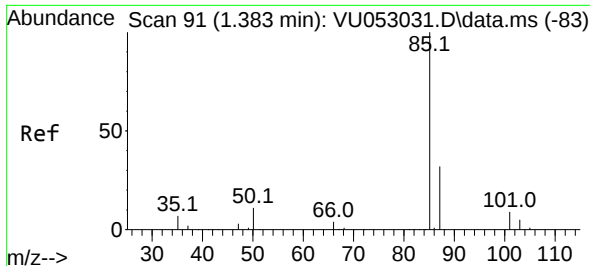
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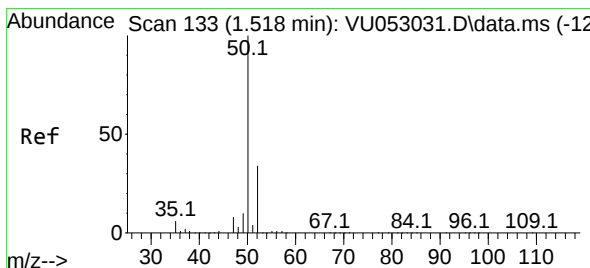
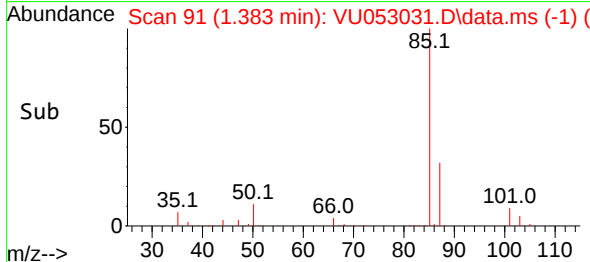
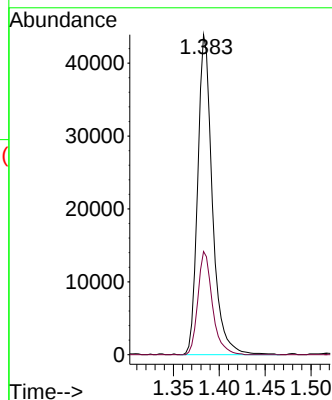
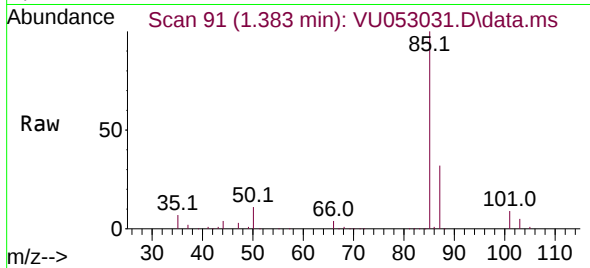




#2
Dichlorodifluoromethane
Concen: 5.058 ug/L
RT: 1.383 min Scan# 91
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

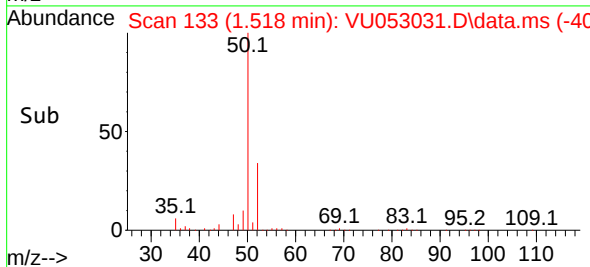
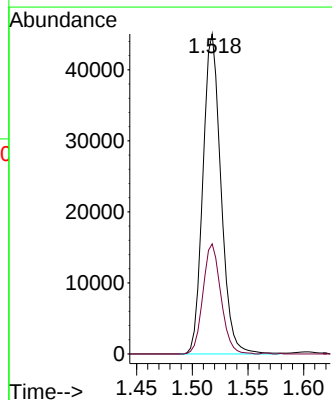
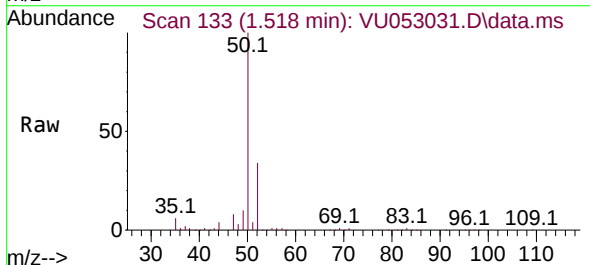
Instrument :
MSVOA_U
ClientSampleId :
VSTD005009

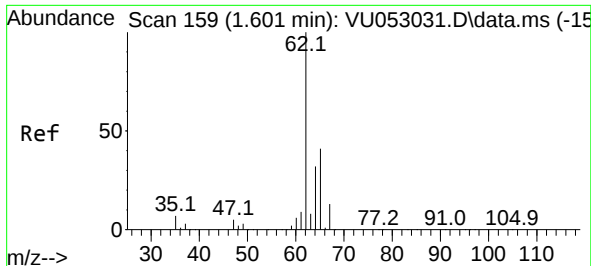
Tgt Ion: 85 Resp: 48711
Ion Ratio Lower Upper
85 100
87 31.9 25.5 38.3



#3
Chloromethane
Concen: 5.051 ug/L
RT: 1.518 min Scan# 133
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

Tgt Ion: 50 Resp: 50683
Ion Ratio Lower Upper
50 100
52 34.4 24.1 44.7

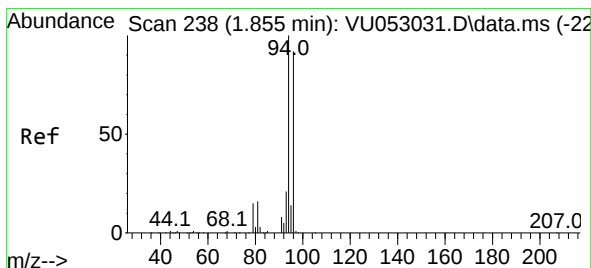
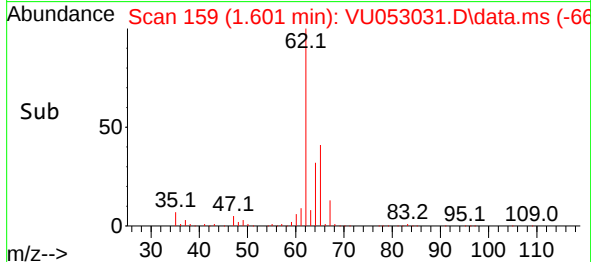
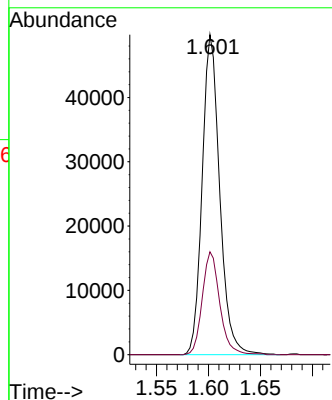
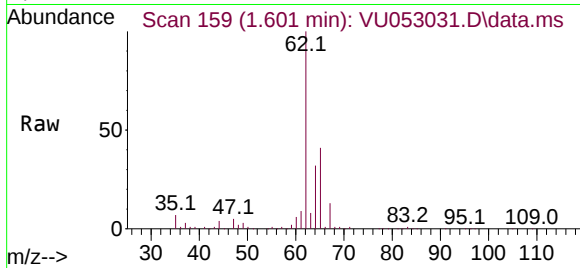




#5
 Vinyl chloride
 Concen: 5.274 ug/L
 RT: 1.601 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VU053031.D
 Acq: 10 Feb 2023 11:46

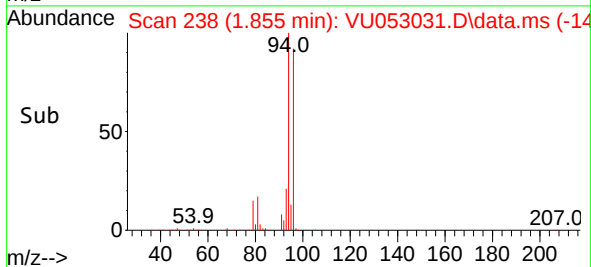
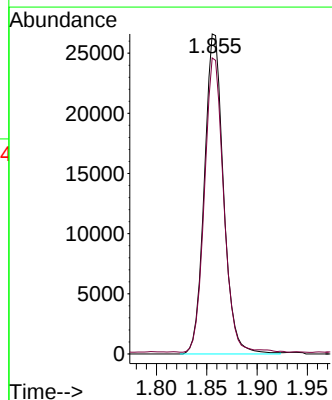
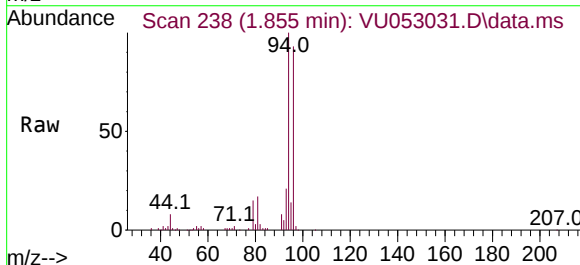
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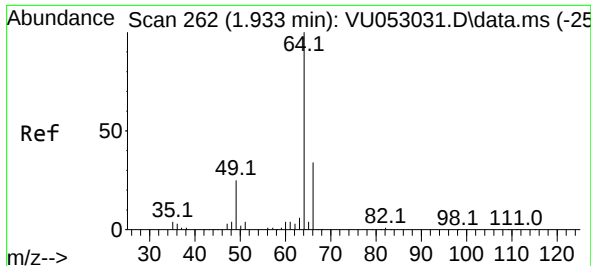
Tgt Ion: 62 Resp: 58302
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.5 41.9



#6
 Bromomethane
 Concen: 5.130 ug/L
 RT: 1.855 min Scan# 238
 Delta R.T. 0.000 min
 Lab File: VU053031.D
 Acq: 10 Feb 2023 11:46

Tgt Ion: 94 Resp: 35264
 Ion Ratio Lower Upper
 94 100
 96 92.5 64.8 120.3

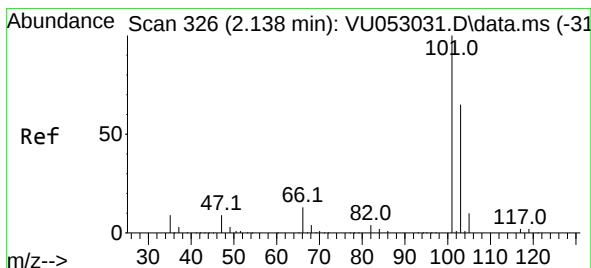
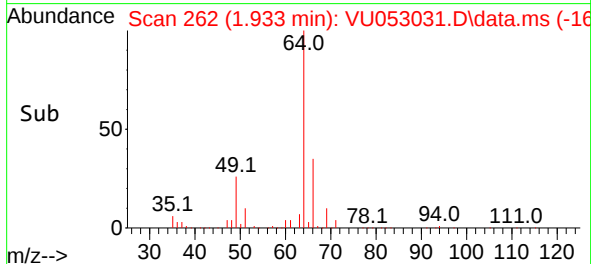
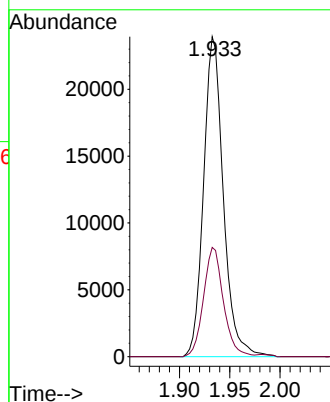
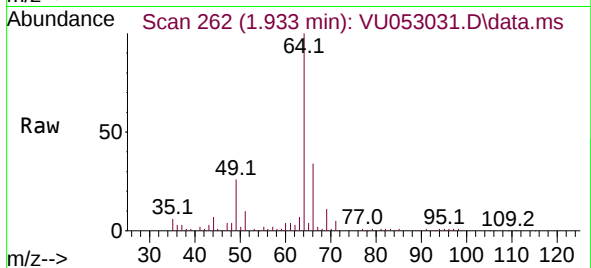




#8
Chloroethane
Concen: 5.023 ug/L
RT: 1.933 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

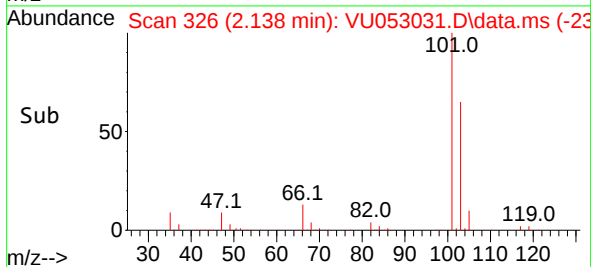
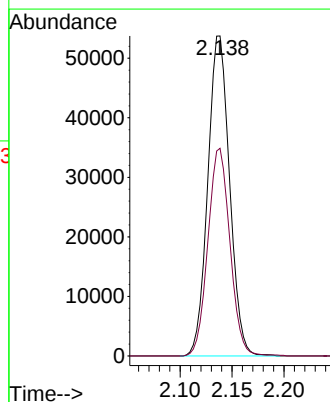
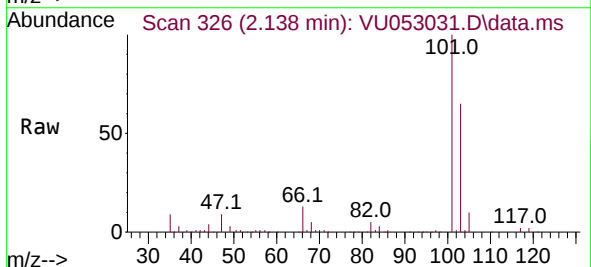
Instrument :
MSVOA_U
ClientSampleId :
VSTD005009

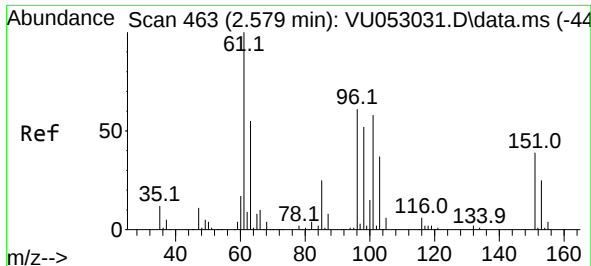
Tgt Ion: 64 Resp: 32694
Ion Ratio Lower Upper
64 100
66 34.1 23.9 44.3



#9
Trichlorofluoromethane
Concen: 5.148 ug/L
RT: 2.138 min Scan# 326
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

Tgt Ion:101 Resp: 78389
Ion Ratio Lower Upper
101 100
103 65.7 52.6 78.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.159 ug/L

RT: 2.579 min Scan# 4

Delta R.T. 0.000 min

Lab File: VU053031.D

Acq: 10 Feb 2023 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD005009

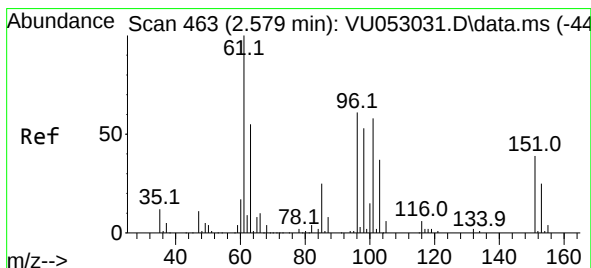
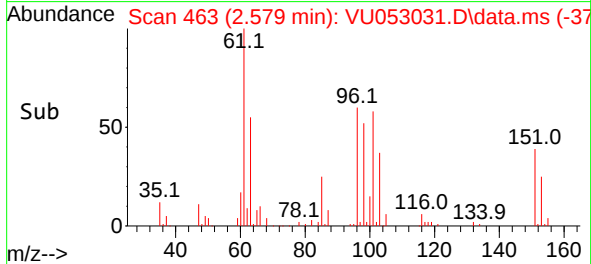
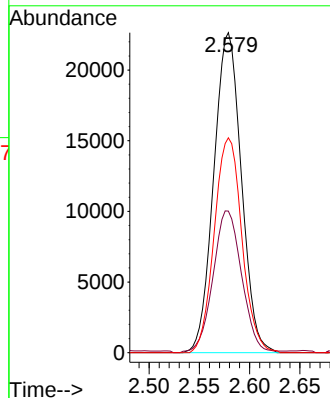
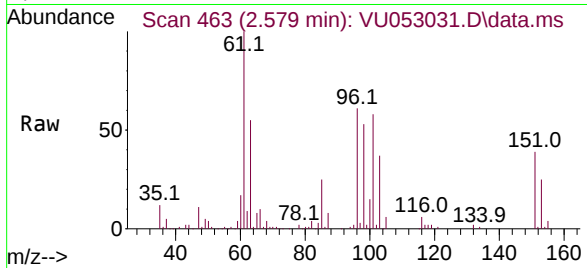
Tgt Ion:101 Resp: 43253

Ion Ratio Lower Upper

101 100

85 46.0 36.8 55.2

151 67.3 53.8 80.8



#12

1,1-Dichloroethene

Concen: 5.142 ug/L

RT: 2.579 min Scan# 463

Delta R.T. 0.000 min

Lab File: VU053031.D

Acq: 10 Feb 2023 11:46

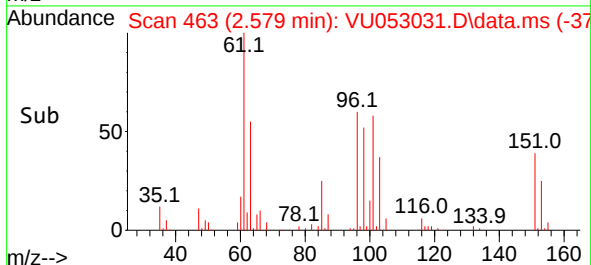
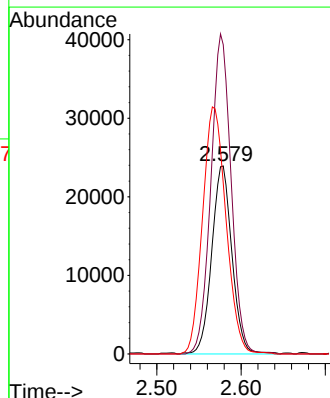
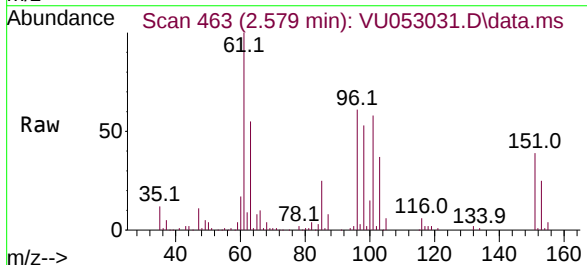
Tgt Ion: 96 Resp: 39900

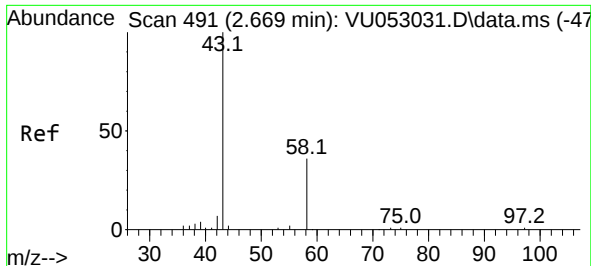
Ion Ratio Lower Upper

96 100

61 164.4 115.1 213.7

63 90.8 63.6 118.0





#13

Acetone

Concen: 41.028 ug/L

RT: 2.669 min Scan# 491

Delta R.T. 0.000 min

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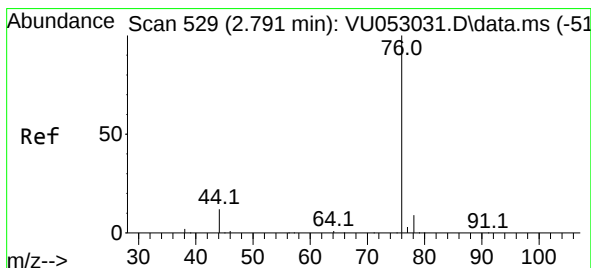
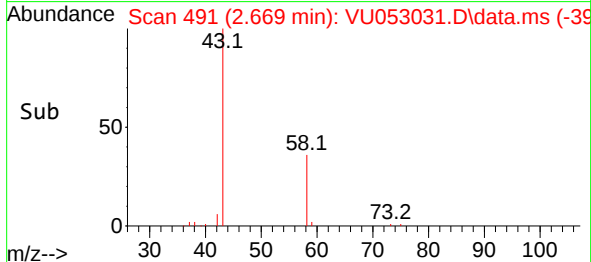
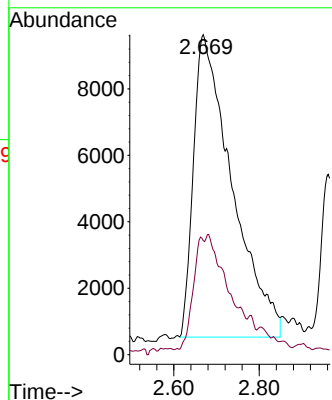
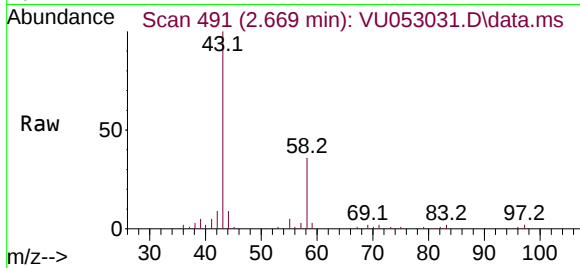
VSTD005009

Tgt Ion: 43 Resp: 56998

Ion Ratio Lower Upper

43 100

58 11.1 0.0 19.6



#14

Carbon disulfide

Concen: 5.232 ug/L

RT: 2.791 min Scan# 529

Delta R.T. 0.000 min

Lab File: VU053031.D

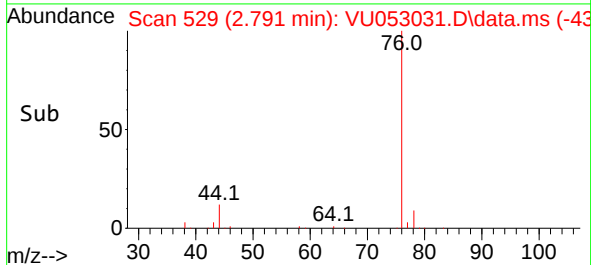
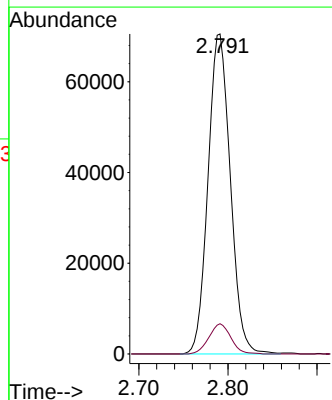
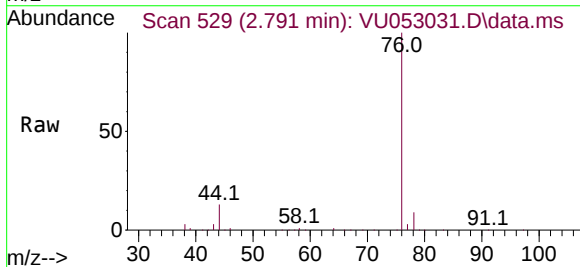
Acq: 10 Feb 2023 11:46

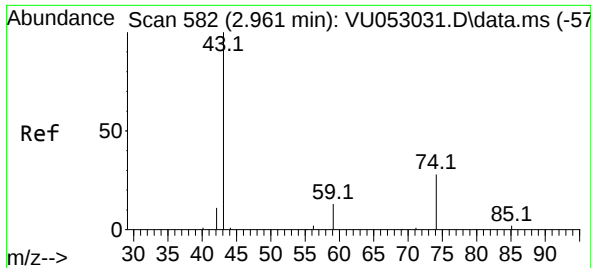
Tgt Ion: 76 Resp: 122583

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

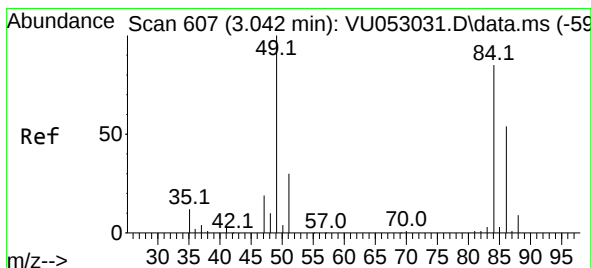
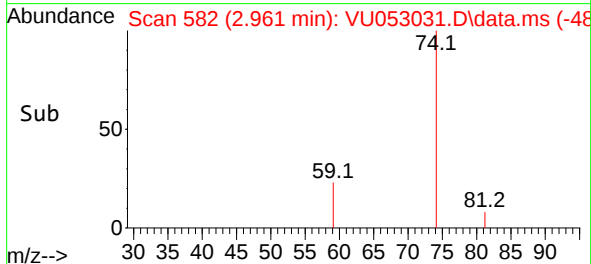
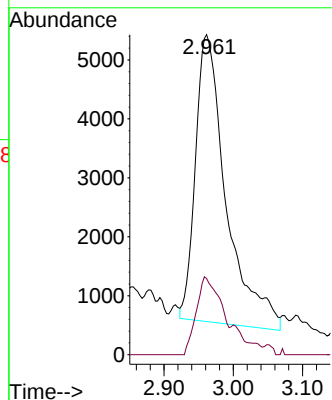
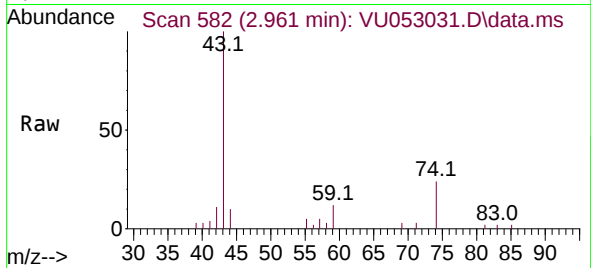




#15
Methyl Acetate
Concen: 4.523 ug/L
RT: 2.961 min Scan# 582
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

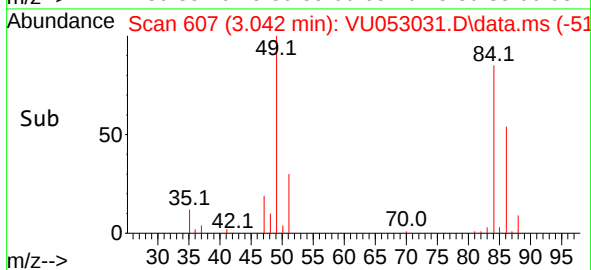
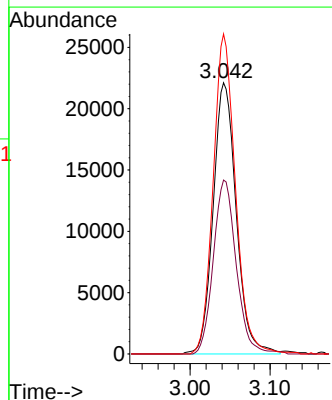
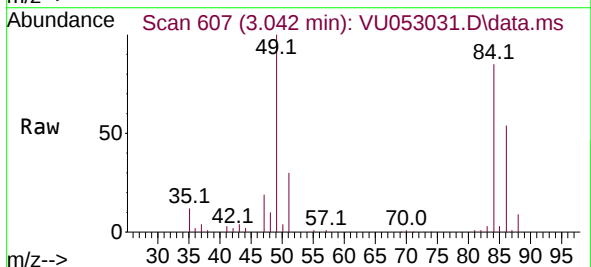
Instrument :
MSVOA_U
ClientSampleId :
VSTD005009

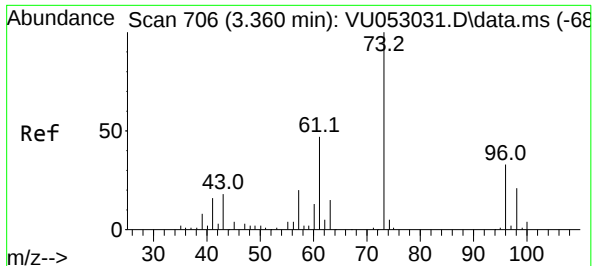
Tgt Ion: 43 Resp: 14997
Ion Ratio Lower Upper
43 100
74 22.0 14.3 21.5#



#16
Methylene chloride
Concen: 4.935 ug/L
RT: 3.042 min Scan# 607
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

Tgt Ion: 84 Resp: 44299
Ion Ratio Lower Upper
84 100
86 64.1 44.9 83.3
49 118.0 82.6 153.4





#17

Methyl tert-butyl Ether

Concen: 5.184 ug/L

RT: 3.360 min Scan# 706

Delta R.T. 0.000 min

Lab File: VU053031.D

Acq: 10 Feb 2023 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD005009

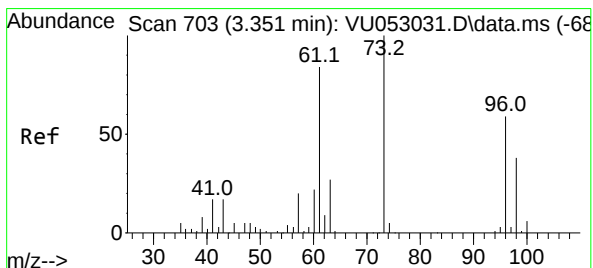
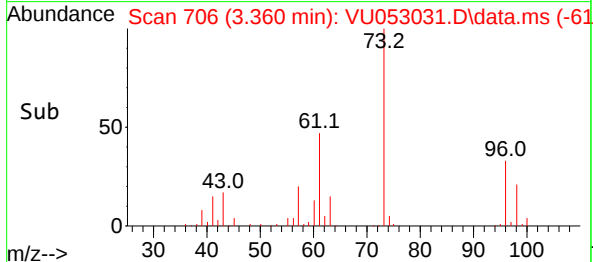
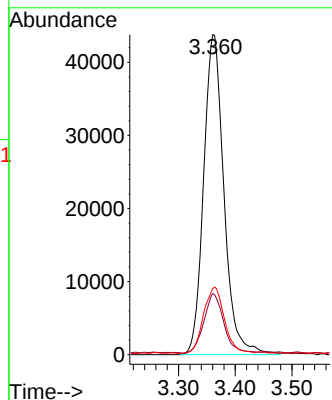
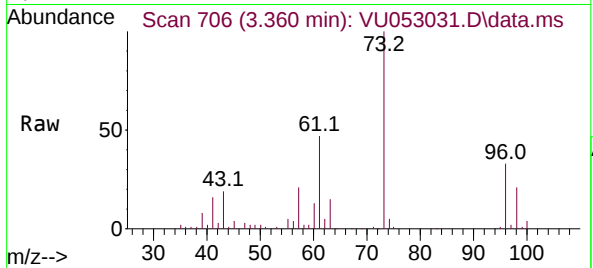
Tgt Ion: 73 Resp: 109218

Ion Ratio Lower Upper

73 100

43 18.2 14.6 21.8

57 21.4 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 4.913 ug/L

RT: 3.351 min Scan# 703

Delta R.T. 0.000 min

Lab File: VU053031.D

Acq: 10 Feb 2023 11:46

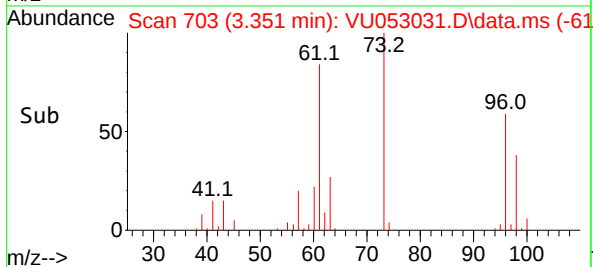
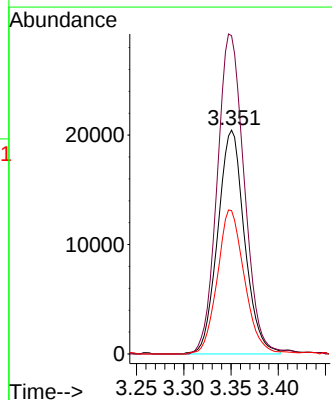
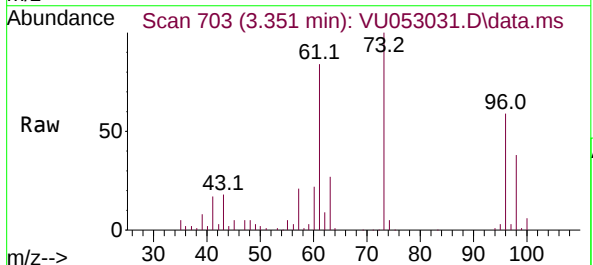
Tgt Ion: 96 Resp: 40336

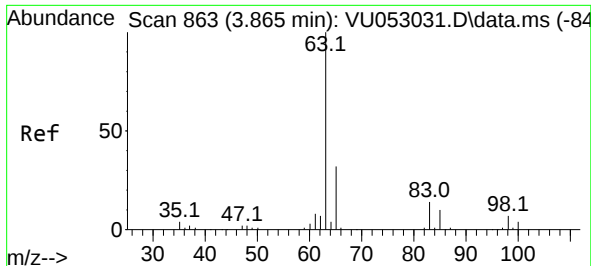
Ion Ratio Lower Upper

96 100

61 142.2 99.5 184.9

98 64.0 44.8 83.2

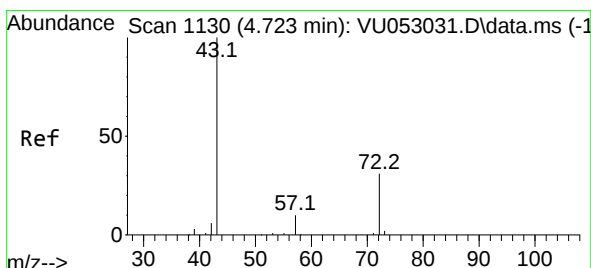
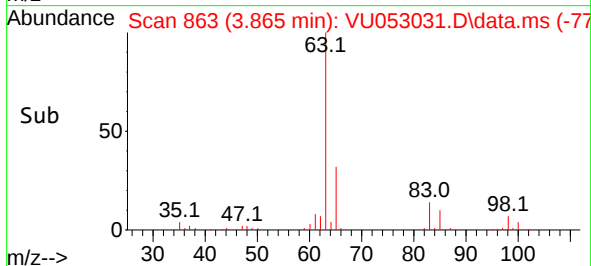
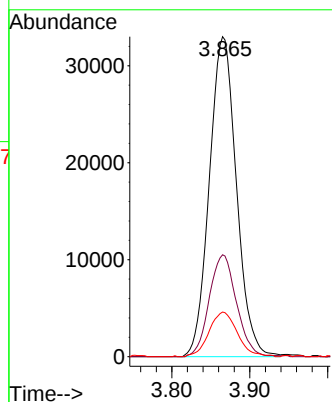
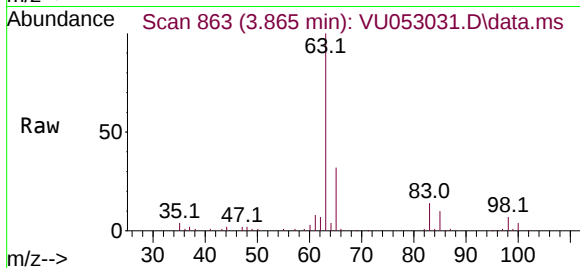




#19
1,1-Dichloroethane
Concen: 5.151 ug/L
RT: 3.865 min Scan# 863
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

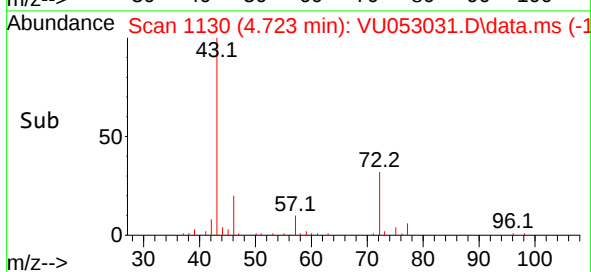
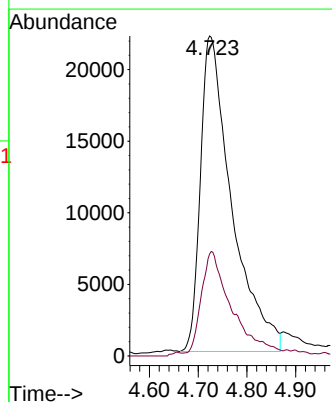
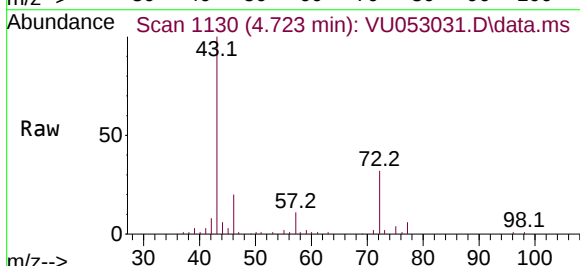
Instrument :
MSVOA_U
ClientSampleId :
VSTD005009

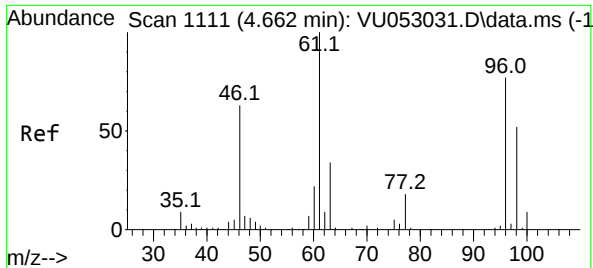
Tgt Ion: 63 Resp: 79655
Ion Ratio Lower Upper
63 100
65 31.8 22.3 41.3
83 14.0 9.8 18.2



#21
2-Butanone
Concen: 47.839 ug/L
RT: 4.723 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

Tgt Ion: 43 Resp: 98480
Ion Ratio Lower Upper
43 100
72 31.0 14.5 43.5

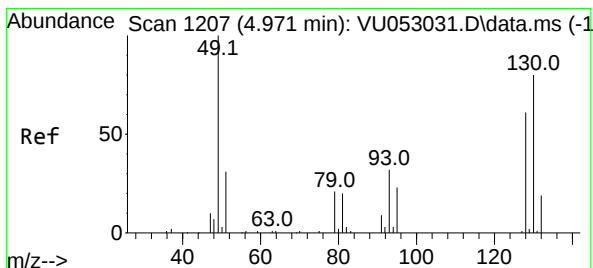
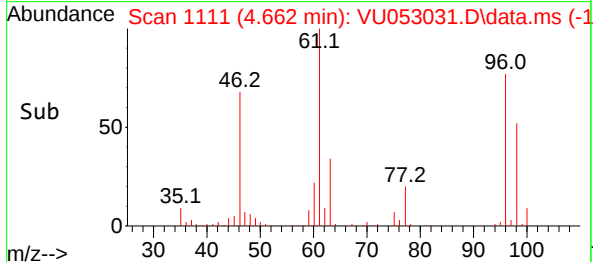
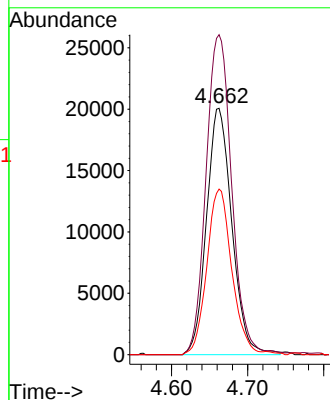
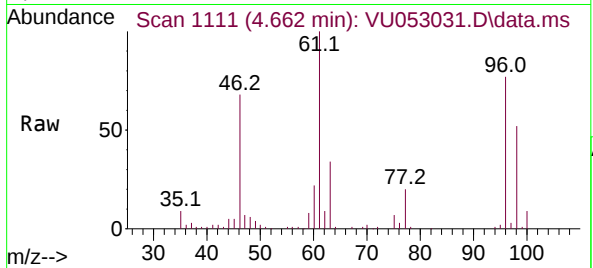




#22
 cis-1,2-Dichloroethene
 Concen: 5.019 ug/L
 RT: 4.662 min Scan# 1111
 Delta R.T. 0.000 min
 Lab File: VU053031.D
 Acq: 10 Feb 2023 11:46

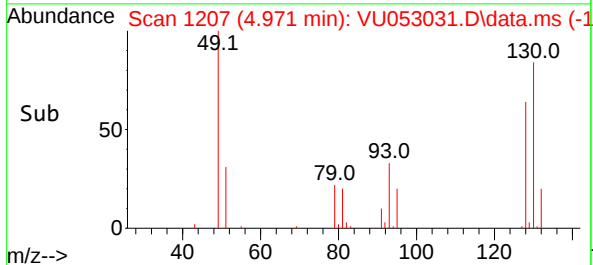
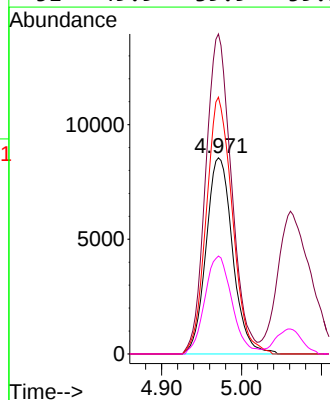
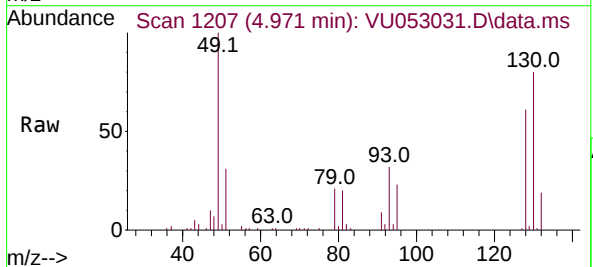
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005009

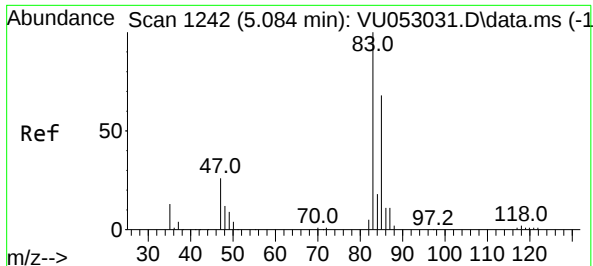
Tgt Ion: 96	Resp: 46503
Ion Ratio	Lower Upper
96 100	
61 129.9	90.9 168.9
98 67.2	47.0 87.4



#23
 Bromochloromethane
 Concen: 5.377 ug/L
 RT: 4.971 min Scan# 1207
 Delta R.T. 0.000 min
 Lab File: VU053031.D
 Acq: 10 Feb 2023 11:46

Tgt	Ion:128	Resp:	19733
Ion	Ratio	Lower	Upper
128	100		
49	163.1	114.2	212.0
130	130.9	91.6	170.2
51	49.9	39.9	59.9





#25

Chloroform

Concen: 5.111 ug/L

RT: 5.084 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU053031.D

Acq: 10 Feb 2023 11:46

Instrument :

MSVOA_U

ClientSampleId :

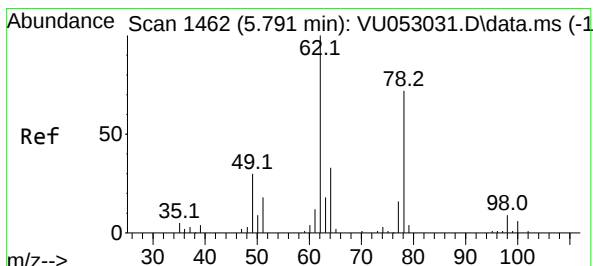
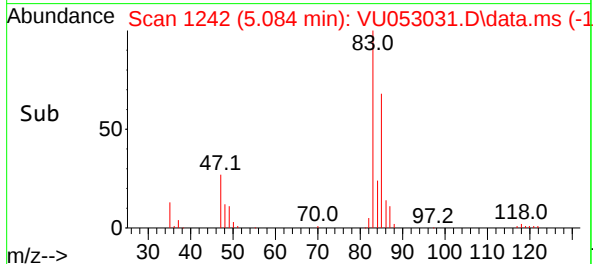
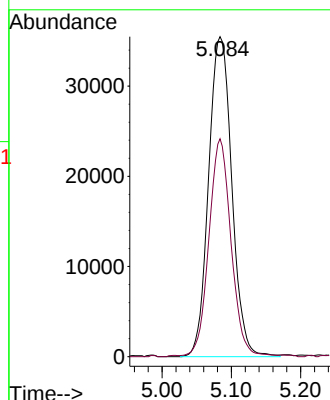
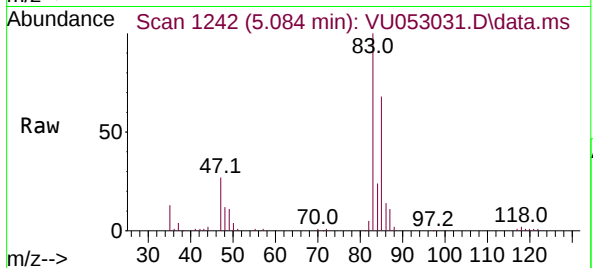
VSTD005009

Tgt Ion: 83 Resp: 82614

Ion Ratio Lower Upper

83 100

85 68.1 47.7 88.5



#27

1,2-Dichloroethane

Concen: 5.188 ug/L

RT: 5.791 min Scan# 1462

Delta R.T. 0.000 min

Lab File: VU053031.D

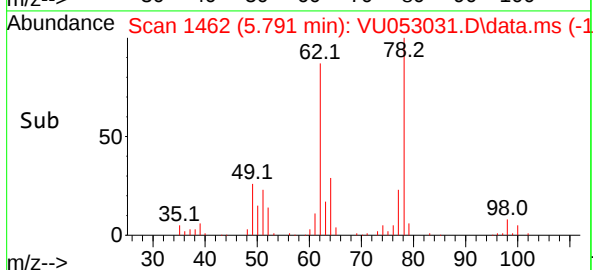
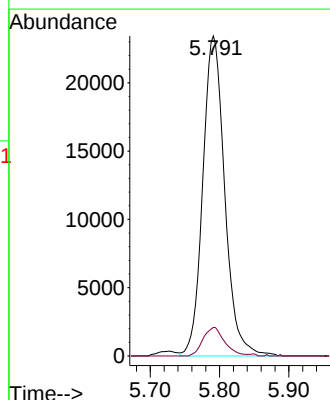
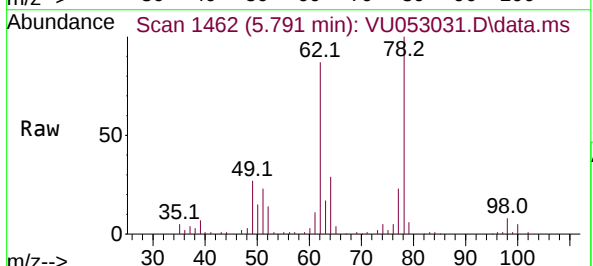
Acq: 10 Feb 2023 11:46

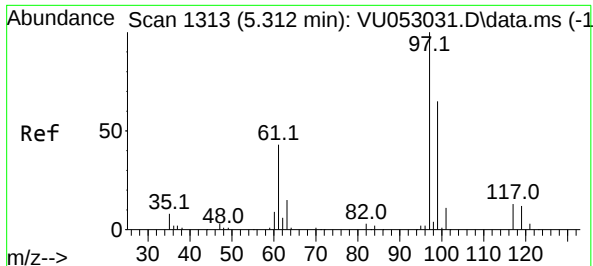
Tgt Ion: 62 Resp: 51551

Ion Ratio Lower Upper

62 100

98 8.9 7.1 10.7



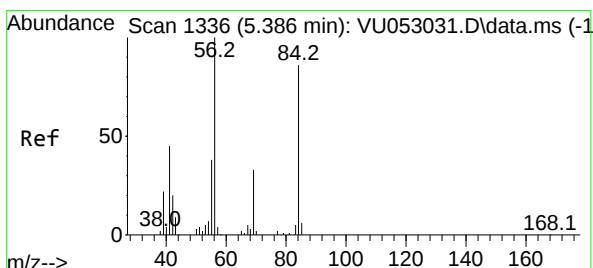
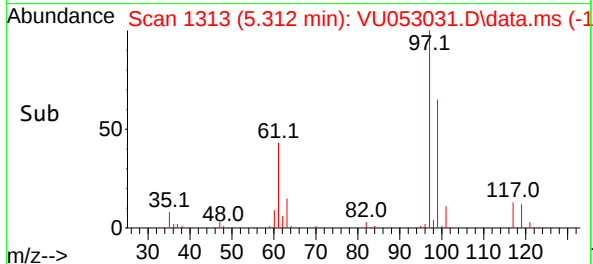
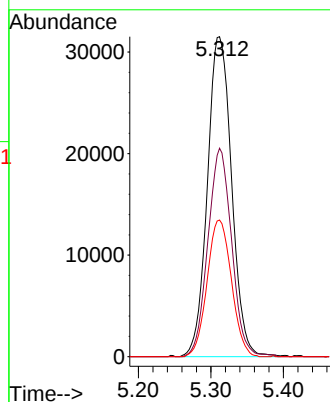
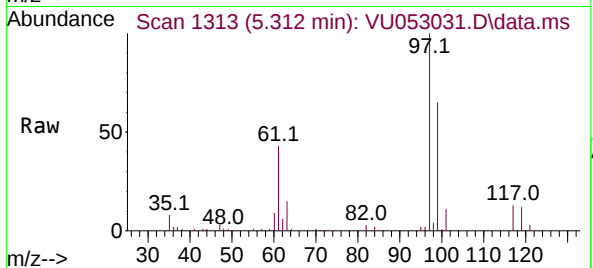


#29
1,1,1-Trichloroethane
Concen: 5.197 ug/L
RT: 5.312 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD005009

Tgt Ion: 97 Resp: 73300

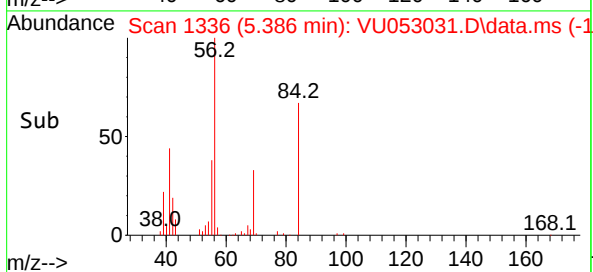
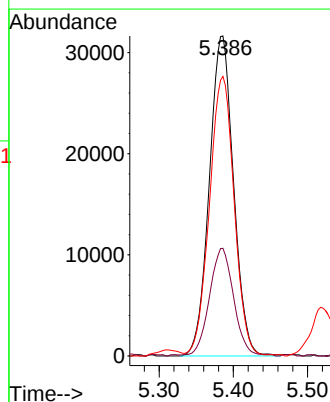
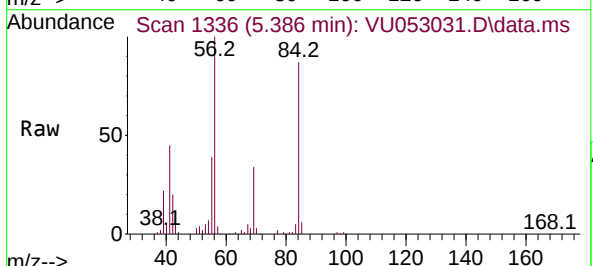
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	42.8	34.2	51.4

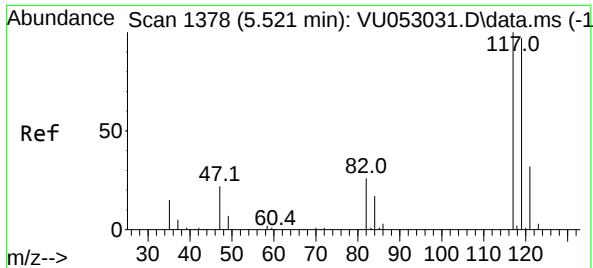


#30
Cyclohexane
Concen: 5.082 ug/L
RT: 5.386 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

Tgt Ion: 56 Resp: 71671

Ion	Ratio	Lower	Upper
56	100		
69	33.8	27.0	40.6
84	88.5	70.8	106.2

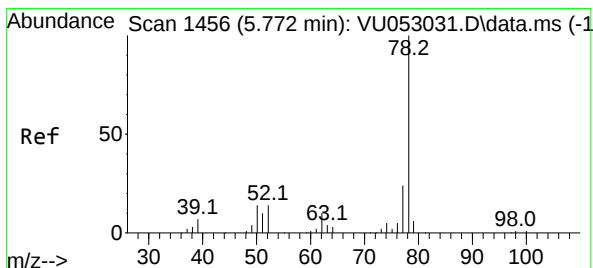
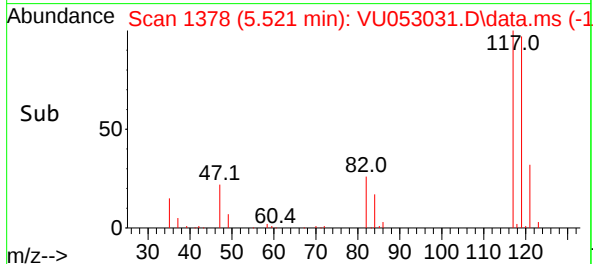
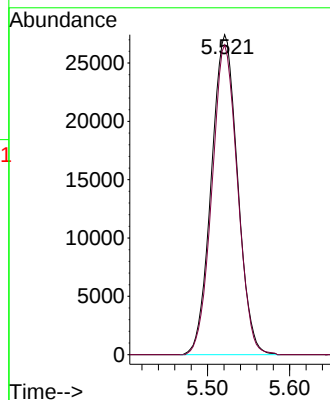
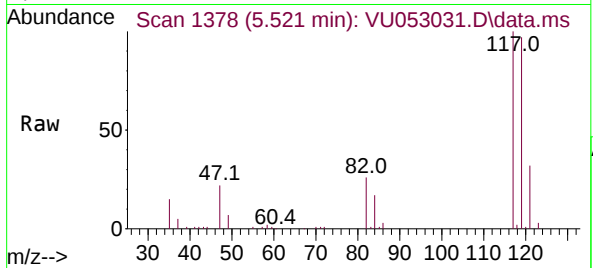




#31
Carbon tetrachloride
Concen: 5.184 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

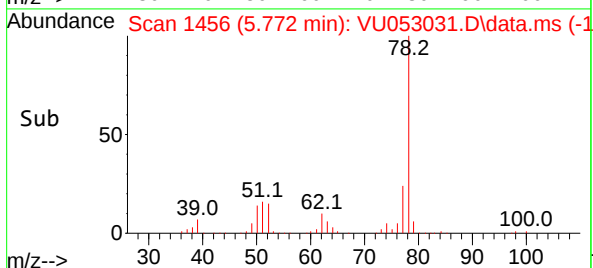
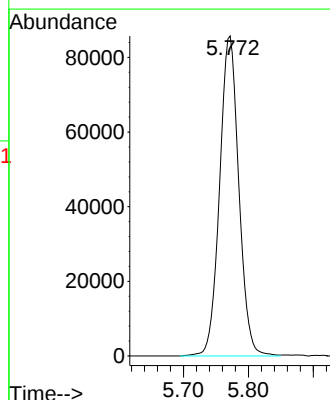
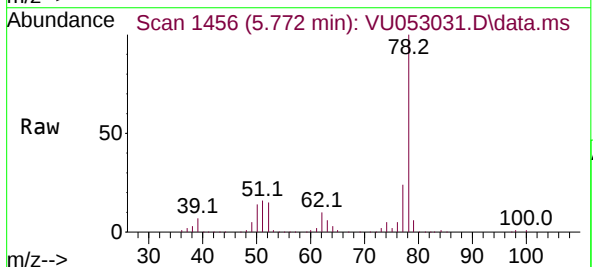
Instrument :
MSVOA_U
ClientSampleId :
VSTD005009

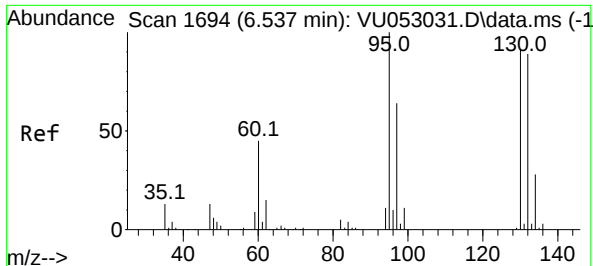
Tgt Ion:117 Resp: 61025
Ion Ratio Lower Upper
117 100
119 94.2 75.4 113.0



#33
Benzene
Concen: 5.162 ug/L
RT: 5.772 min Scan# 1456
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

Tgt Ion: 78 Resp: 175627

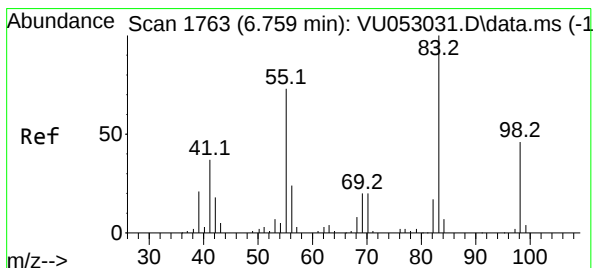
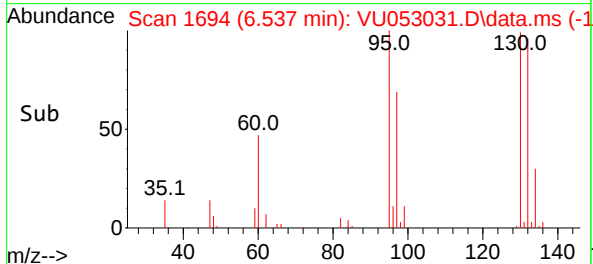
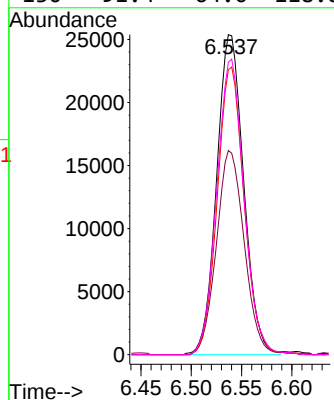
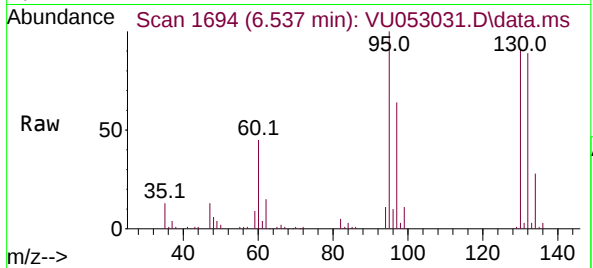




#34
Trichloroethene
Concen: 4.955 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

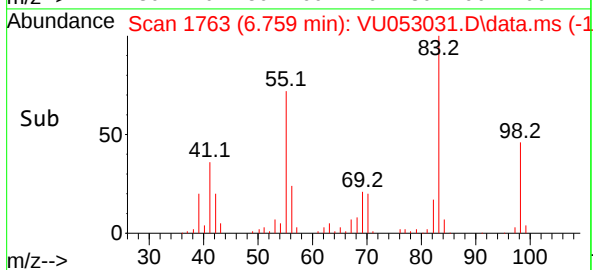
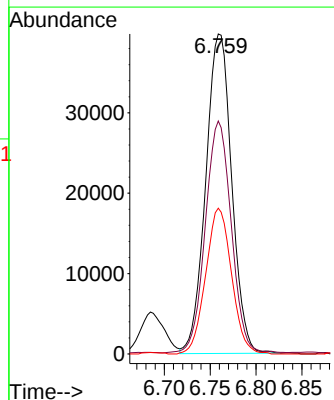
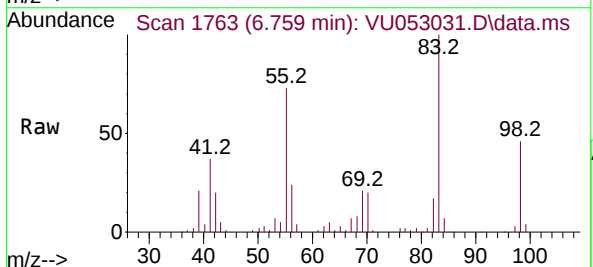
Instrument :
MSVOA_U
ClientSampleId :
VSTD005009

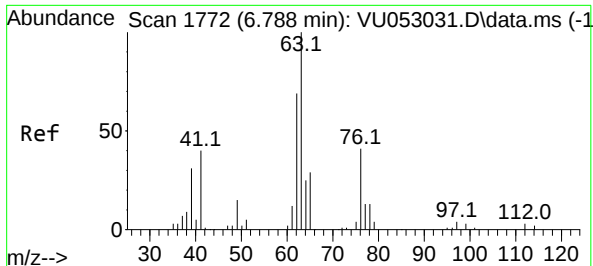
Tgt Ion: 95 Resp: 47438
Ion Ratio Lower Upper
95 100
97 63.8 44.7 82.9
132 89.0 62.3 115.7
130 91.4 64.0 118.8



#35
Methylcyclohexane
Concen: 5.057 ug/L
RT: 6.759 min Scan# 1763
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

Tgt Ion: 83 Resp: 78377
Ion Ratio Lower Upper
83 100
55 72.4 57.9 86.9
98 45.5 36.4 54.6

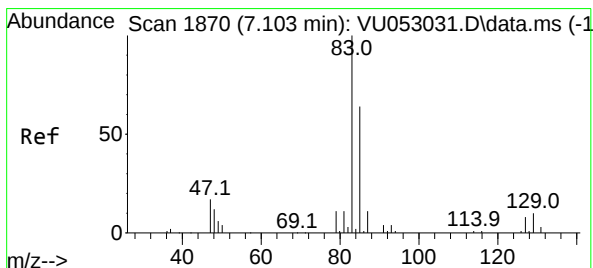
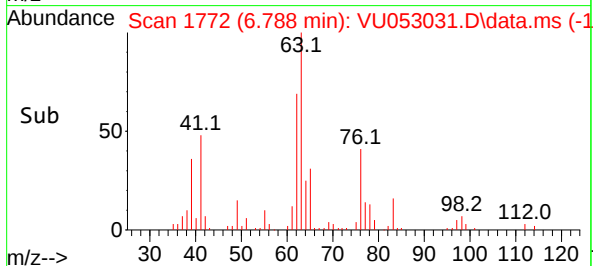
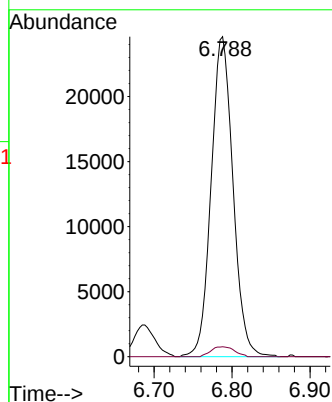
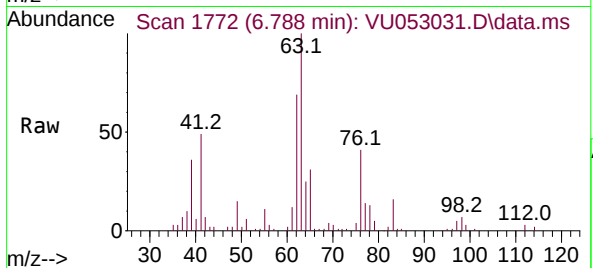




#37
1,2-Dichloropropane
Concen: 5.168 ug/L
RT: 6.788 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

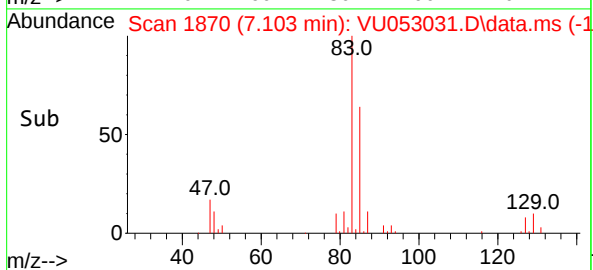
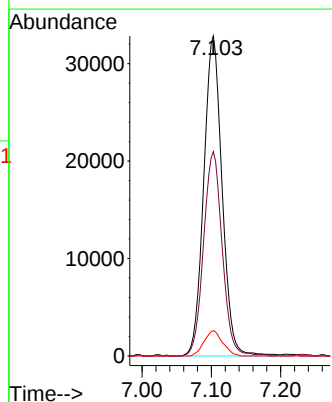
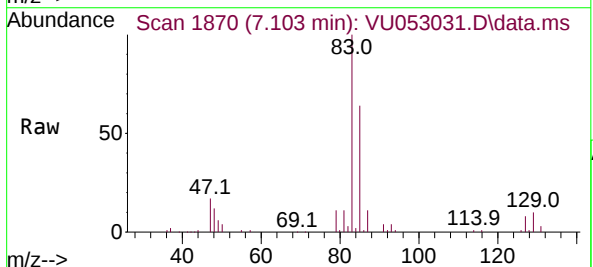
Instrument :
MSVOA_U
ClientSampleId :
VSTD005009

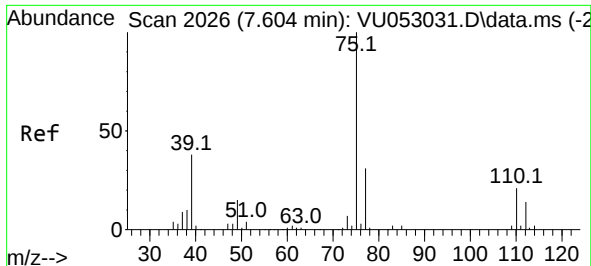
Tgt Ion: 63 Resp: 47880
Ion Ratio Lower Upper
63 100
112 3.4 2.7 4.1



#38
Bromodichloromethane
Concen: 5.029 ug/L
RT: 7.103 min Scan# 1870
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

Tgt Ion: 83 Resp: 60414
Ion Ratio Lower Upper
83 100
85 63.8 44.7 82.9
127 7.9 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 5.234 ug/L

RT: 7.604 min Scan# 2026

Delta R.T. 0.000 min

Lab File: VU053031.D

Acq: 10 Feb 2023 11:46

Instrument :

MSVOA_U

ClientSampleId :

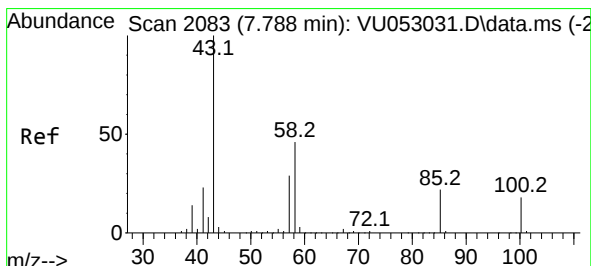
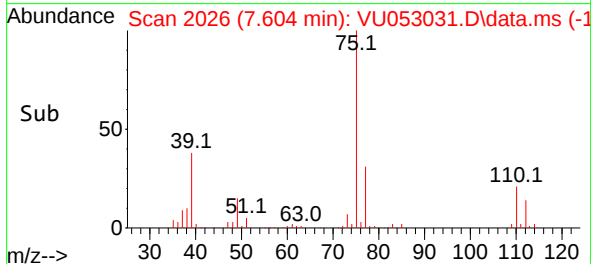
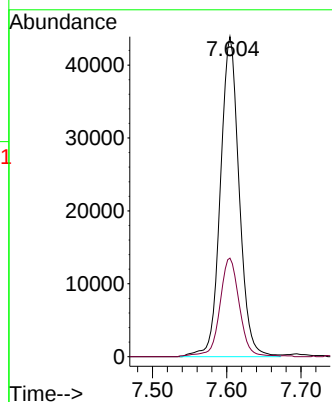
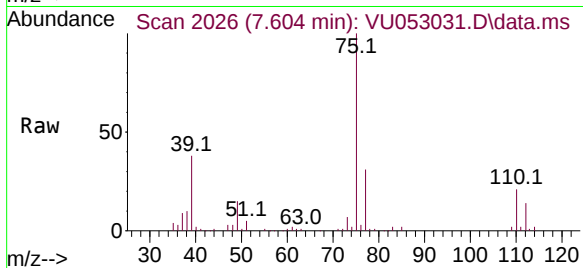
VSTD005009

Tgt Ion: 75 Resp: 77343

Ion Ratio Lower Upper

75 100

77 30.8 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 51.714 ug/L

RT: 7.788 min Scan# 2083

Delta R.T. 0.000 min

Lab File: VU053031.D

Acq: 10 Feb 2023 11:46

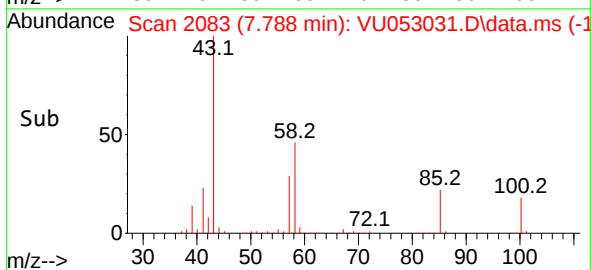
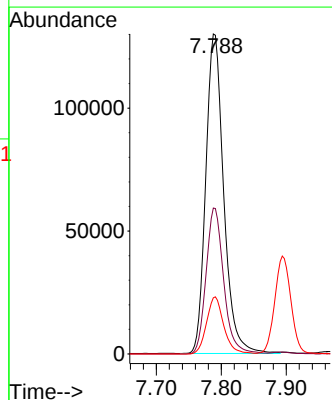
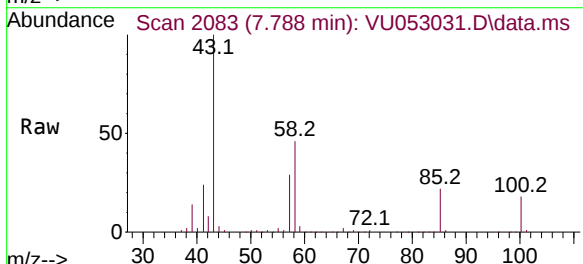
Tgt Ion: 43 Resp: 250095

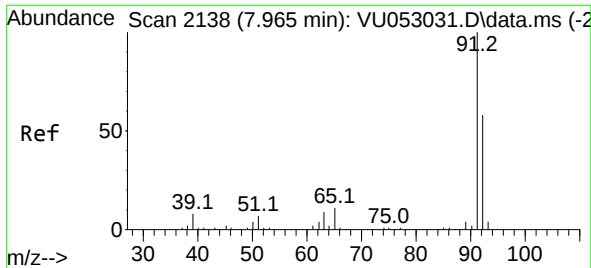
Ion Ratio Lower Upper

43 100

58 44.9 35.9 53.9

100 17.2 13.8 20.6





#42

Toluene

Concen: 5.096 ug/L

RT: 7.965 min Scan# 2138

Delta R.T. 0.000 min

Lab File: VU053031.D

Acq: 10 Feb 2023 11:46

Instrument :

MSVOA_U

ClientSampleId :

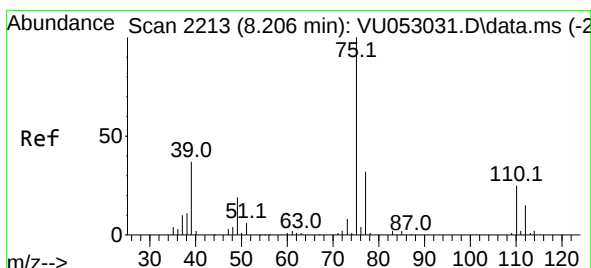
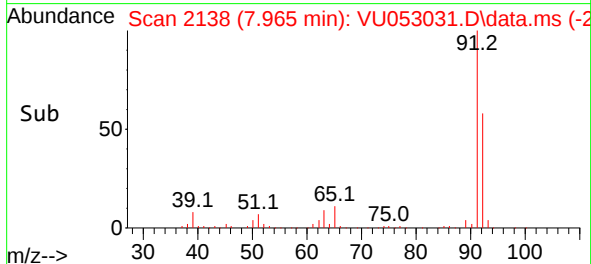
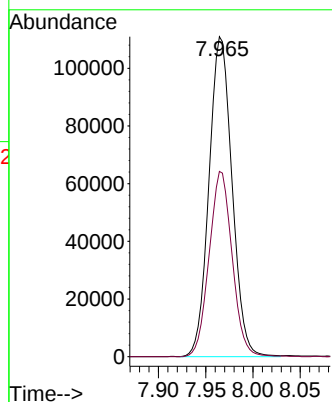
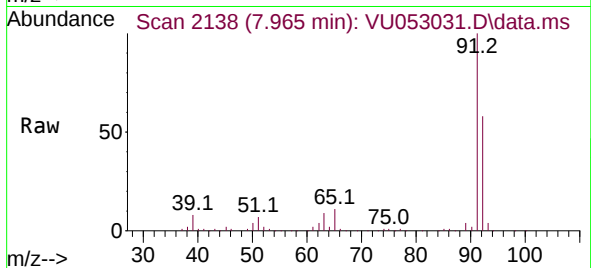
VSTD005009

Tgt Ion: 91 Resp: 188337

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 5.149 ug/L

RT: 8.206 min Scan# 2213

Delta R.T. 0.000 min

Lab File: VU053031.D

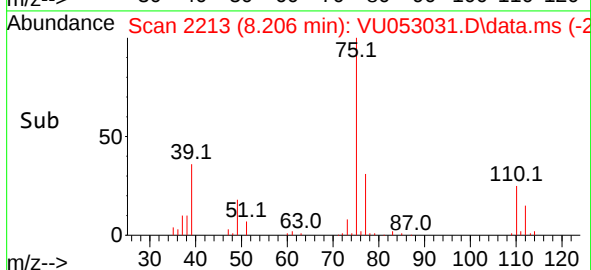
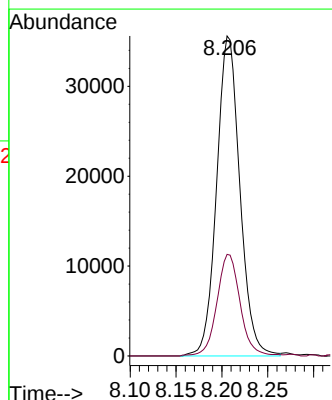
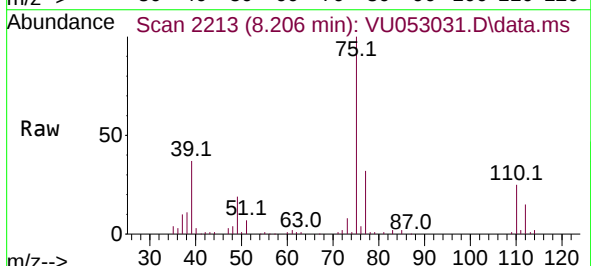
Acq: 10 Feb 2023 11:46

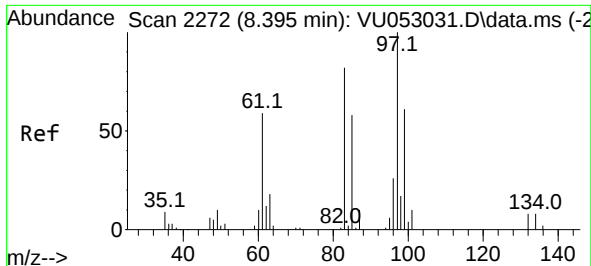
Tgt Ion: 75 Resp: 62761

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



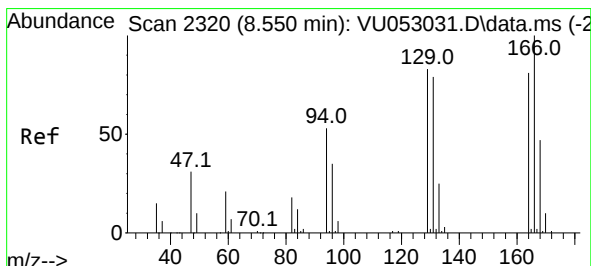
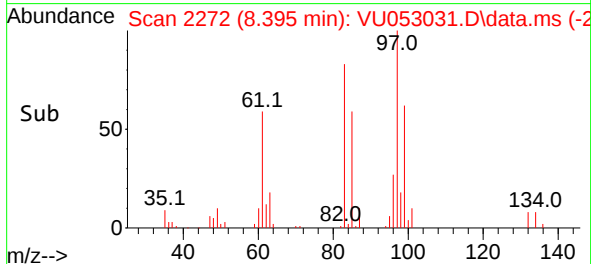
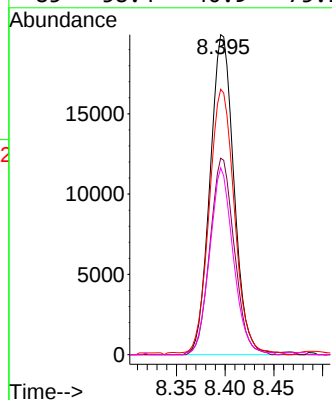
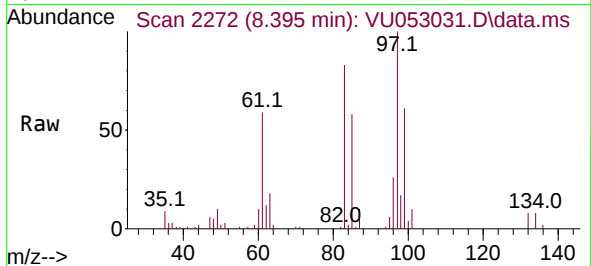


#45
1,1,2-Trichloroethane
Concen: 5.123 ug/L
RT: 8.395 min Scan# 2272
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD005009

Tgt Ion: 97 Resp: 34193

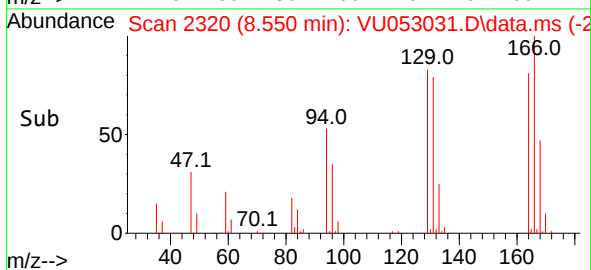
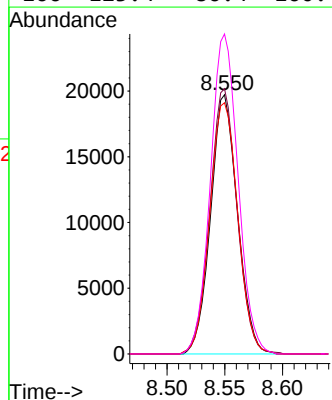
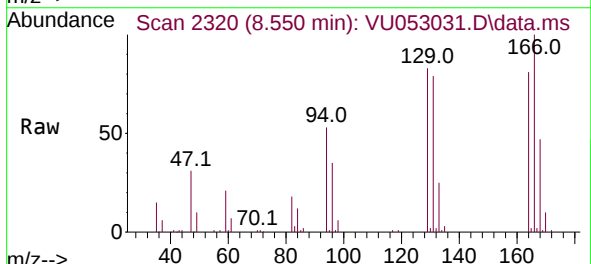
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.0	79.8
83	82.9	58.0	107.8
85	58.4	40.9	75.9

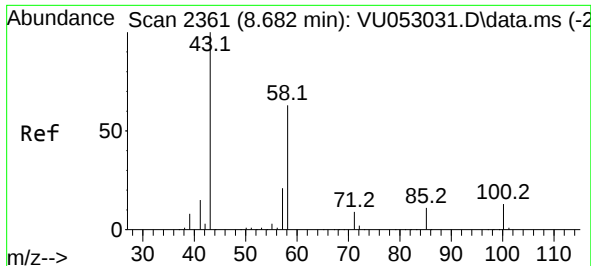


#47
Tetrachloroethene
Concen: 5.132 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

Tgt Ion: 164 Resp: 31937

Ion	Ratio	Lower	Upper
164	100		
129	102.4	71.7	133.1
131	96.9	67.8	126.0
166	123.4	86.4	160.4



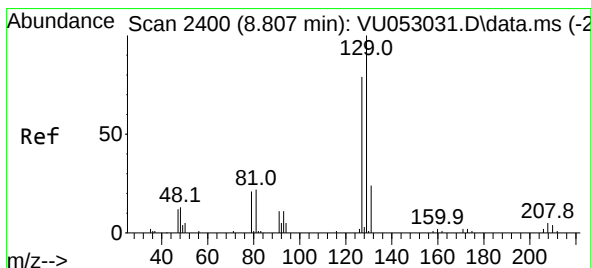
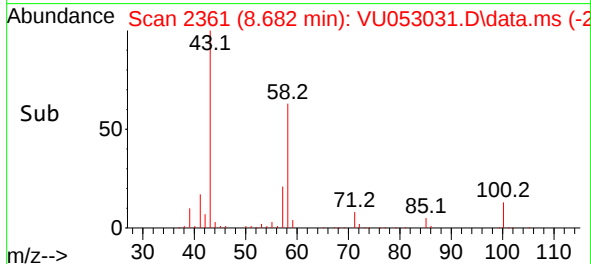
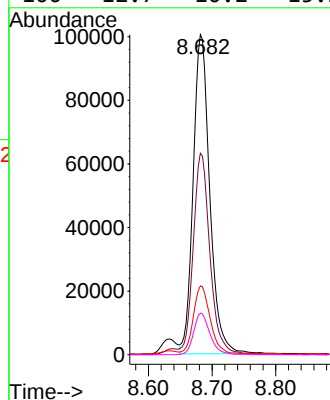
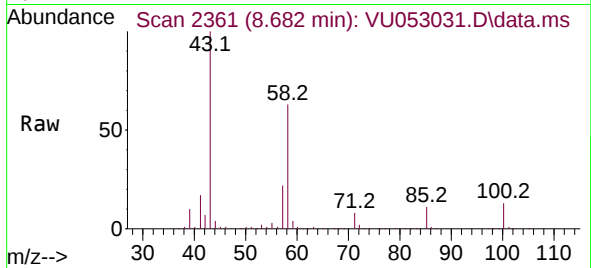


#48
2-Hexanone
Concen: 51.336 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD005009

Tgt Ion: 43 Resp: 182213

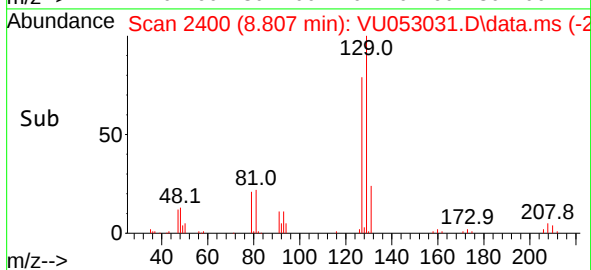
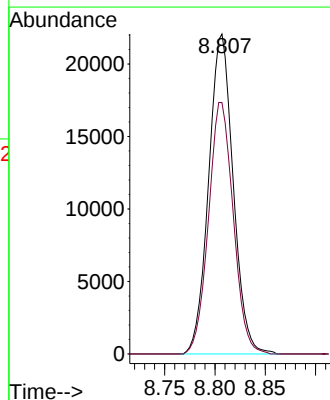
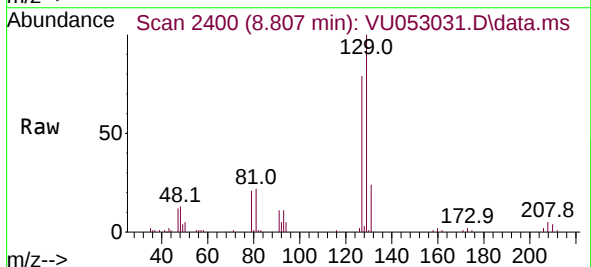
Ion	Ratio	Lower	Upper
43	100		
58	62.9	50.3	75.5
57	21.7	17.4	26.0
100	12.7	10.2	15.2

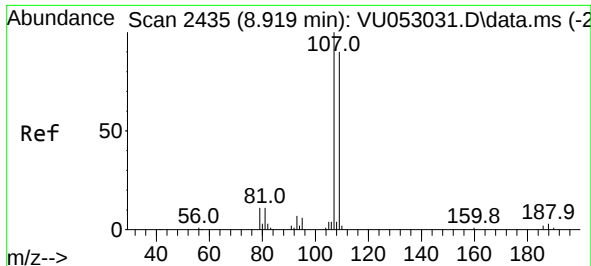


#49
Dibromochloromethane
Concen: 5.148 ug/L
RT: 8.807 min Scan# 2400
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

Tgt Ion: 129 Resp: 37461

Ion	Ratio	Lower	Upper
129	100		
127	78.5	54.9	102.1





#50

1,2-Dibromoethane

Concen: 5.189 ug/L

RT: 8.919 min Scan# 2435

Delta R.T. 0.000 min

Lab File: VU053031.D

Acq: 10 Feb 2023 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD005009

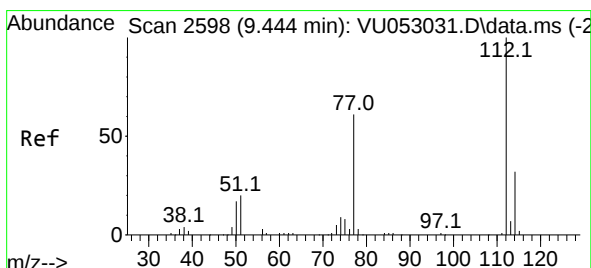
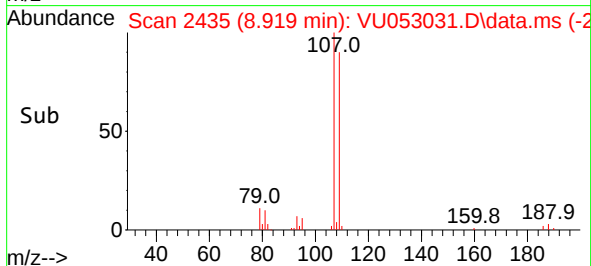
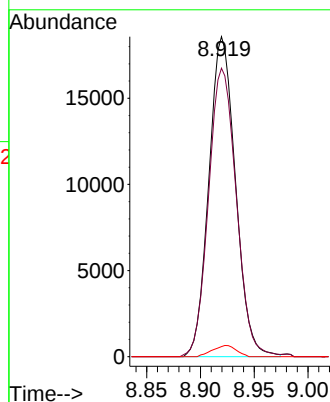
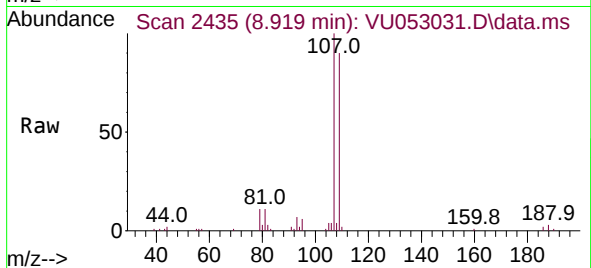
Tgt Ion:107 Resp: 31958

Ion Ratio Lower Upper

107 100

109 90.1 63.1 117.1

188 3.1 2.5 3.7



#51

Chlorobenzene

Concen: 5.136 ug/L

RT: 9.444 min Scan# 2598

Delta R.T. 0.000 min

Lab File: VU053031.D

Acq: 10 Feb 2023 11:46

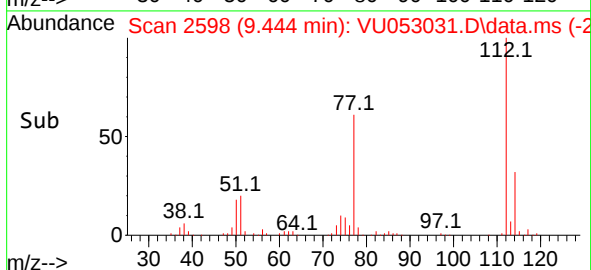
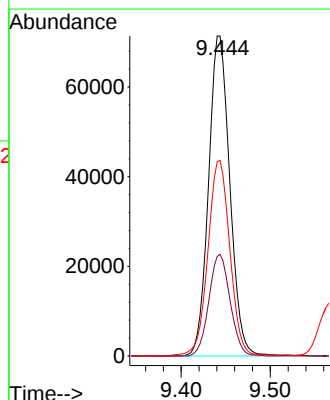
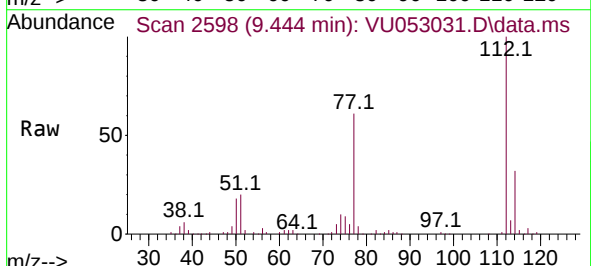
Tgt Ion:112 Resp: 118408

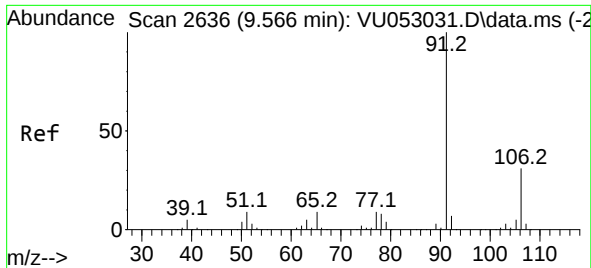
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.3

77 61.1 48.9 73.3

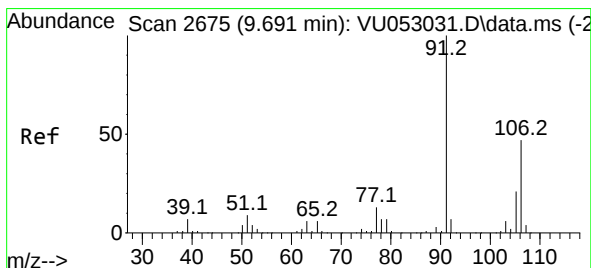
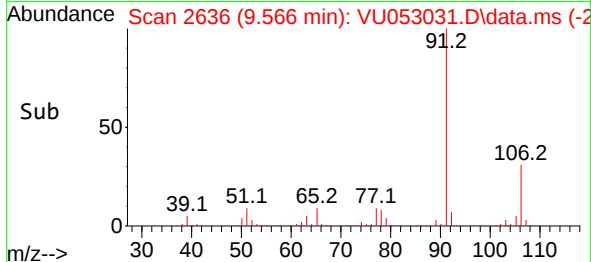
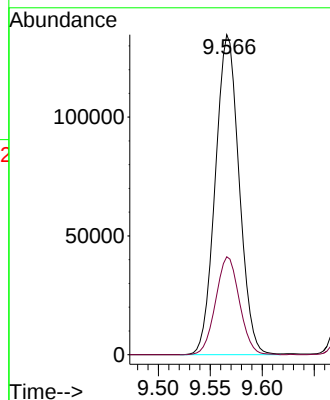
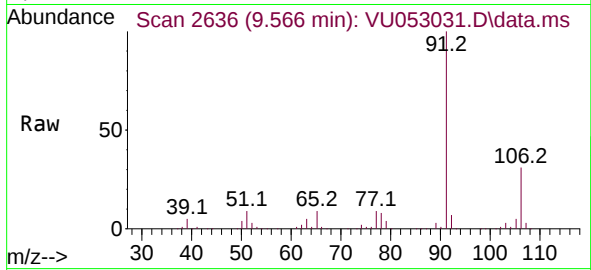




#52
Ethylbenzene
Concen: 5.120 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

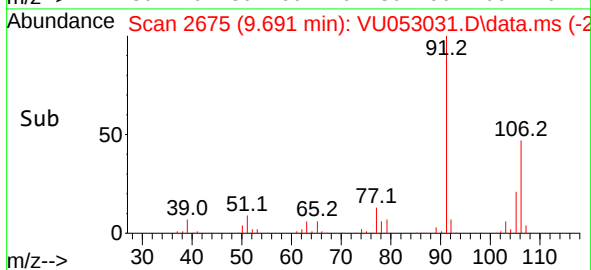
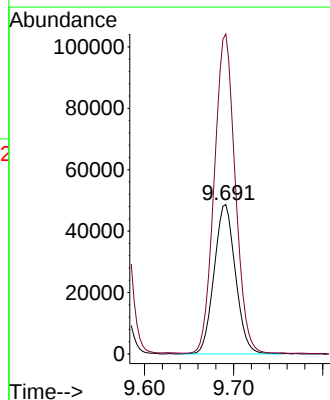
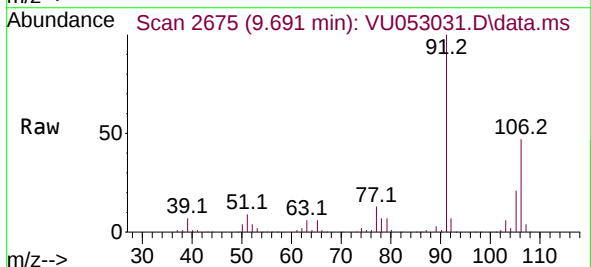
Instrument :
MSVOA_U
ClientSampleId :
VSTD005009

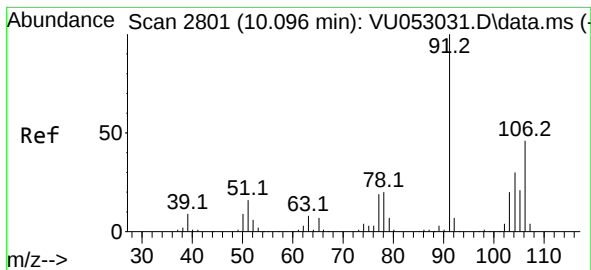
Tgt Ion: 91 Resp: 214741
Ion Ratio Lower Upper
91 100
106 30.6 21.4 39.8



#53
m,p-Xylene
Concen: 5.165 ug/L
RT: 9.691 min Scan# 2675
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

Tgt Ion: 106 Resp: 81008
Ion Ratio Lower Upper
106 100
91 214.1 149.9 278.3





#54

o-Xylene

Concen: 5.182 ug/L

RT: 10.096 min Scan# 2801

Delta R.T. 0.000 min

Lab File: VU053031.D

Acq: 10 Feb 2023 11:46

Instrument :

MSVOA_U

ClientSampleId :

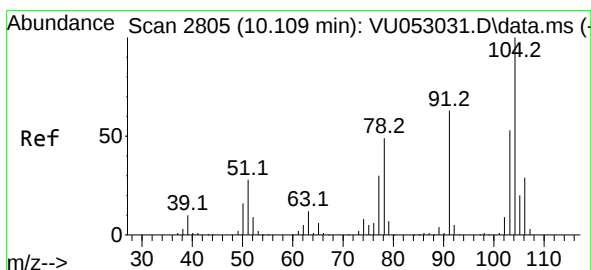
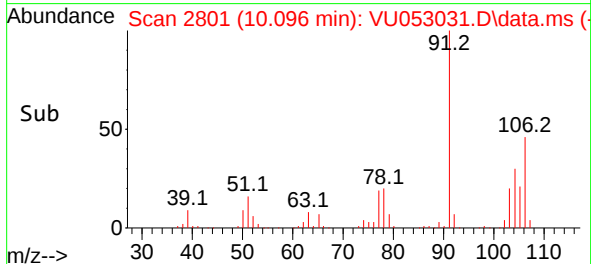
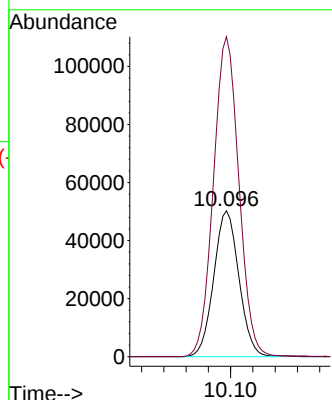
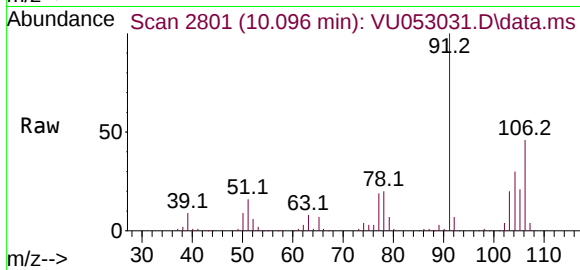
VSTD005009

Tgt Ion:106 Resp: 78774

Ion Ratio Lower Upper

106 100

91 219.4 153.6 285.2



#55

Styrene

Concen: 5.294 ug/L

RT: 10.109 min Scan# 2805

Delta R.T. 0.000 min

Lab File: VU053031.D

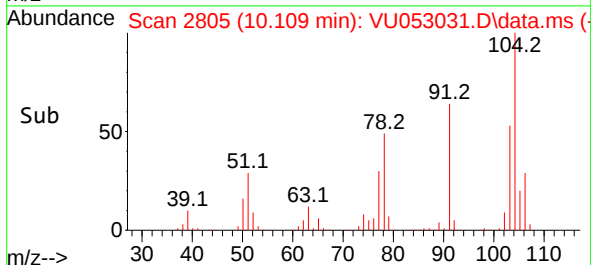
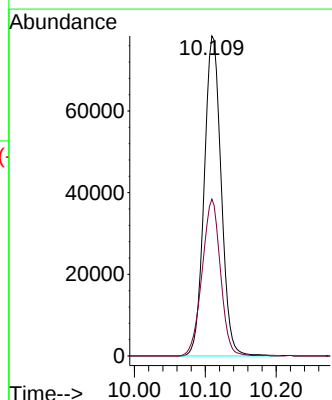
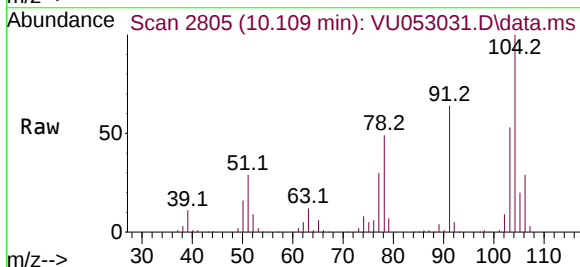
Acq: 10 Feb 2023 11:46

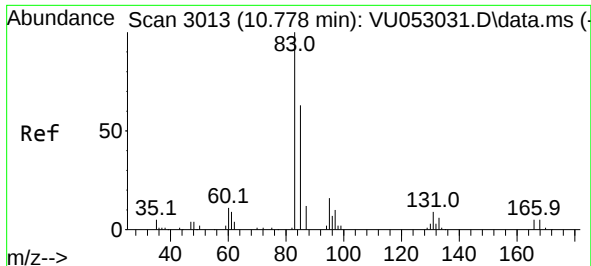
Tgt Ion:104 Resp: 130561

Ion Ratio Lower Upper

104 100

78 49.0 34.3 63.7

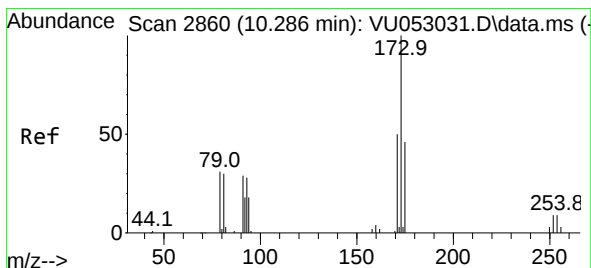
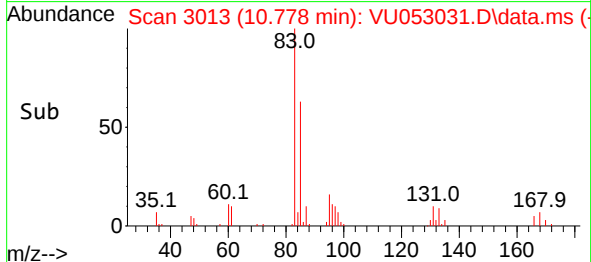
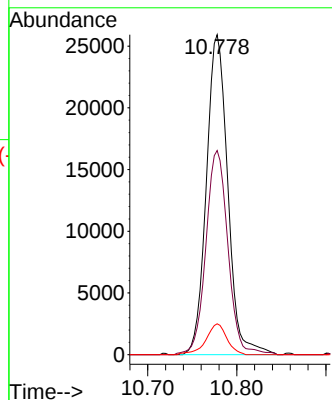
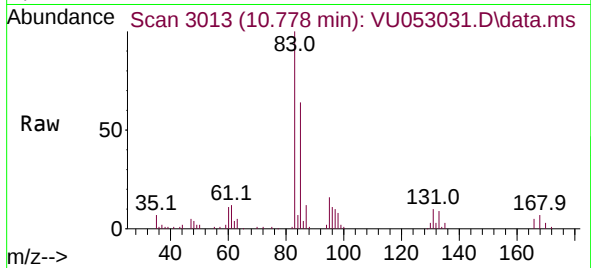




#57
1,1,2,2-Tetrachloroethane
Concen: 5.119 ug/L
RT: 10.778 min Scan# 3013
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

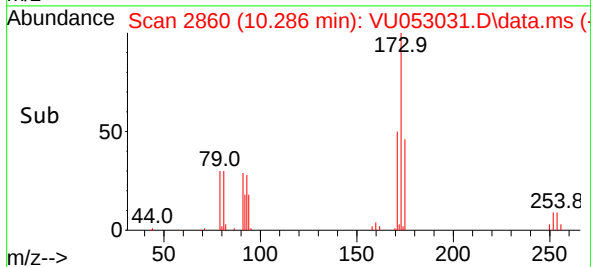
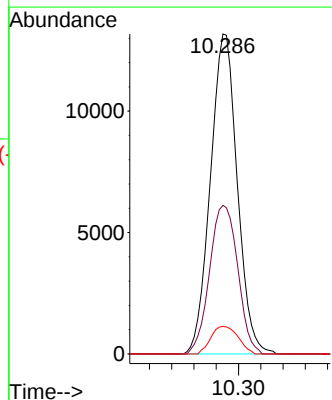
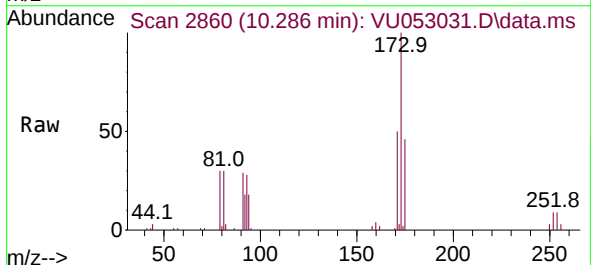
Instrument :
MSVOA_U
ClientSampleId :
VSTD005009

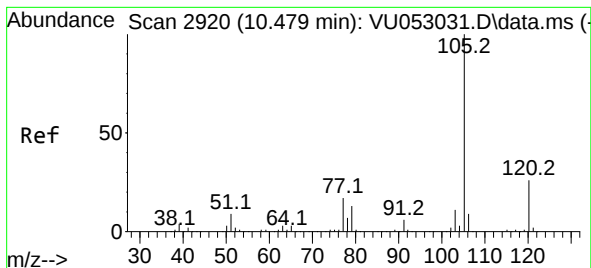
Tgt Ion: 83 Resp: 43231
Ion Ratio Lower Upper
83 100
85 63.8 44.7 82.9
131 9.7 7.8 11.6



#59
Bromoform
Concen: 5.300 ug/L
RT: 10.286 min Scan# 2860
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

Tgt Ion:173 Resp: 22083
Ion Ratio Lower Upper
173 100
175 48.6 38.9 58.3
254 8.7 7.0 10.4





#60

Isopropylbenzene

Concen: 5.186 ug/L

RT: 10.479 min Scan# 2920

Delta R.T. 0.000 min

Lab File: VU053031.D

Acq: 10 Feb 2023 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD005009

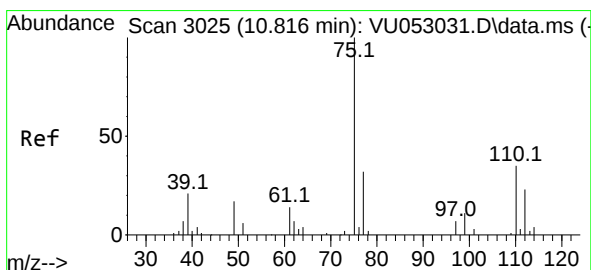
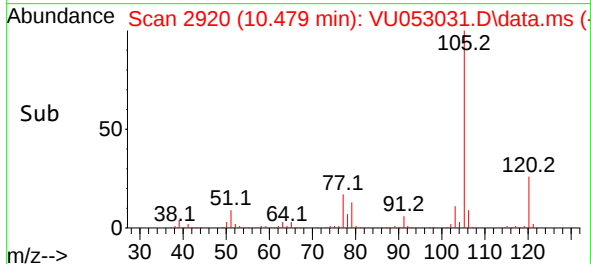
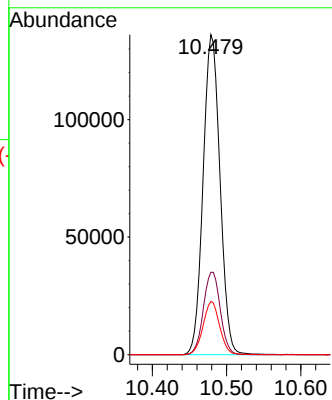
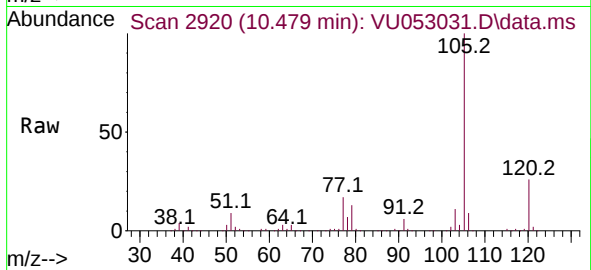
Tgt Ion:105 Resp: 215069

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

77 16.3 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 5.212 ug/L

RT: 10.816 min Scan# 3025

Delta R.T. 0.000 min

Lab File: VU053031.D

Acq: 10 Feb 2023 11:46

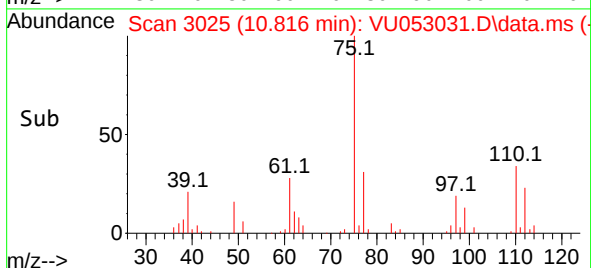
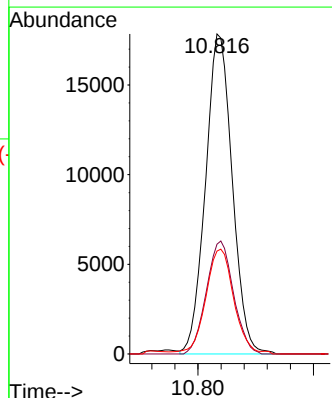
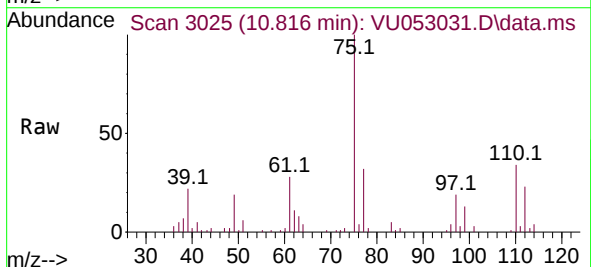
Tgt Ion: 75 Resp: 28687

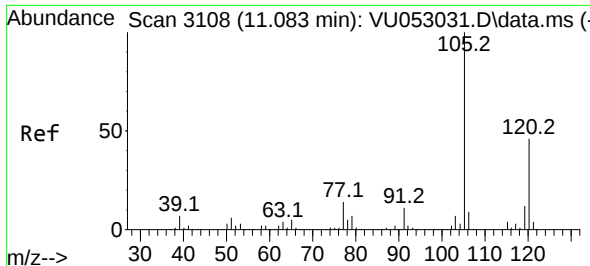
Ion Ratio Lower Upper

75 100

110 35.7 28.6 42.8

77 34.5 27.6 41.4





#62

1,3,5-Trimethylbenzene

Concen: 5.170 ug/L

RT: 11.083 min Scan# 3108

Delta R.T. 0.000 min

Lab File: VU053031.D

Acq: 10 Feb 2023 11:46

Instrument :

MSVOA_U

ClientSampleId :

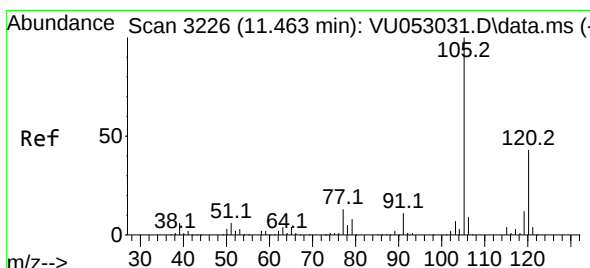
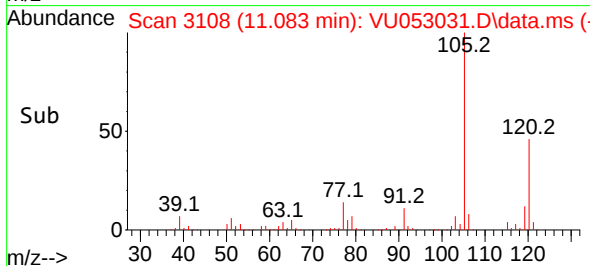
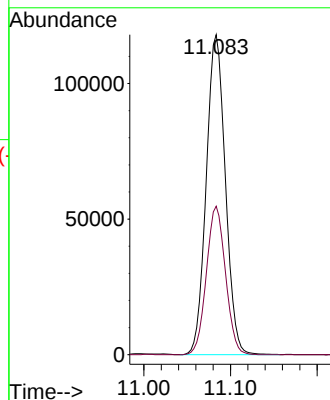
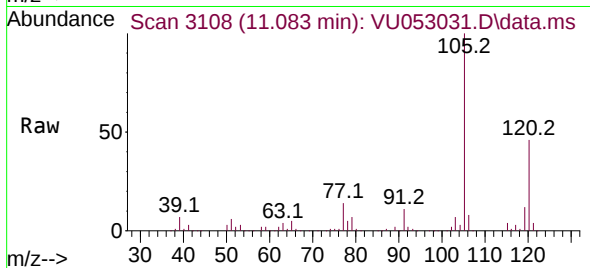
VSTD005009

Tgt Ion:105 Resp: 181061

Ion Ratio Lower Upper

105 100

120 46.3 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 5.180 ug/L

RT: 11.463 min Scan# 3226

Delta R.T. 0.000 min

Lab File: VU053031.D

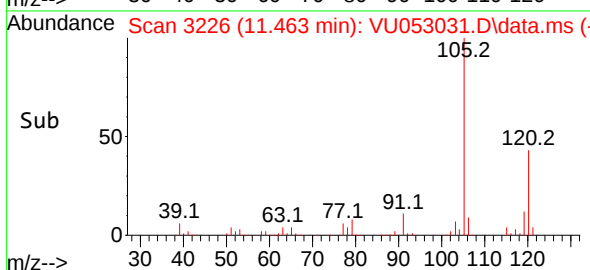
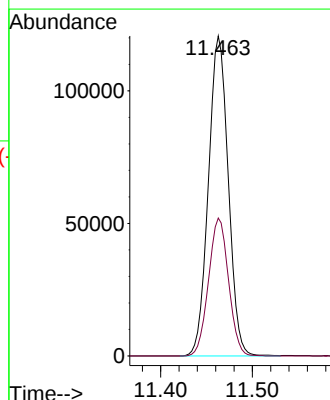
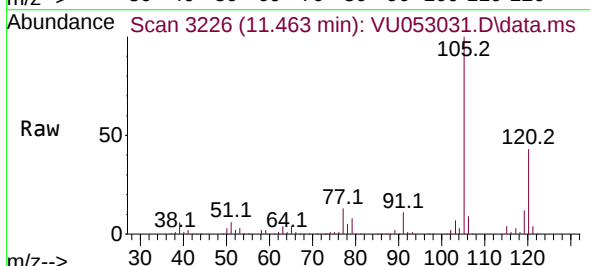
Acq: 10 Feb 2023 11:46

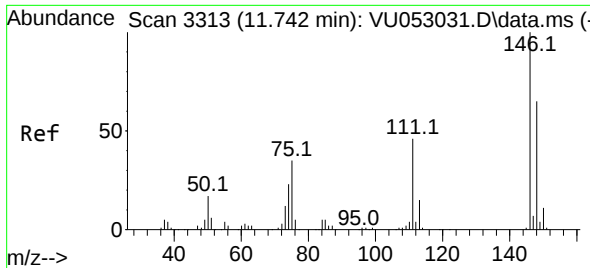
Tgt Ion:105 Resp: 181581

Ion Ratio Lower Upper

105 100

120 43.4 34.7 52.1

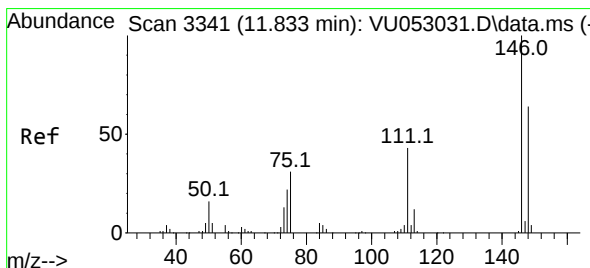
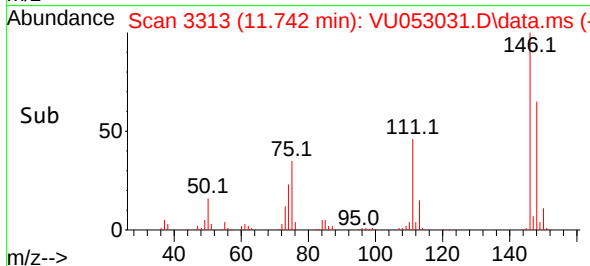
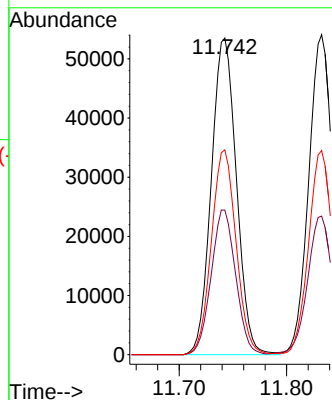
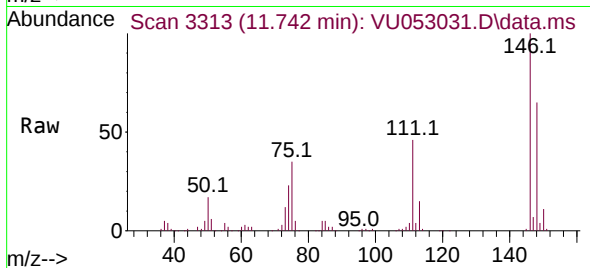




#64
1,3-Dichlorobenzene
Concen: 5.167 ug/L
RT: 11.742 min Scan# 3313
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

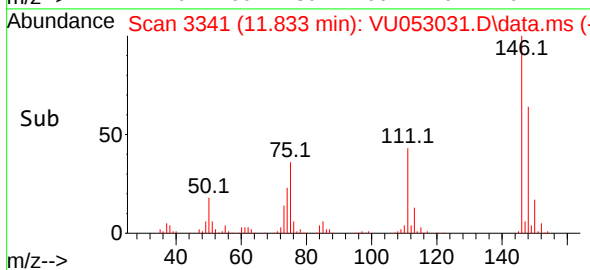
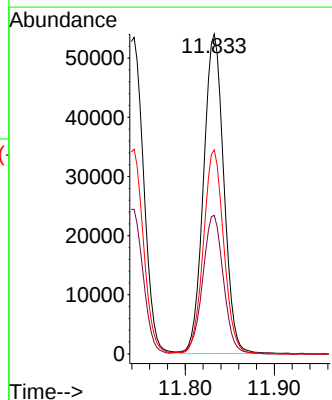
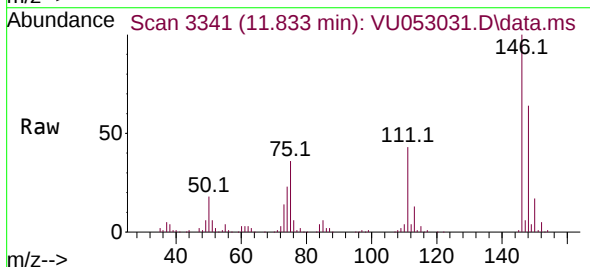
Instrument :
MSVOA_U
ClientSampleId :
VSTD005009

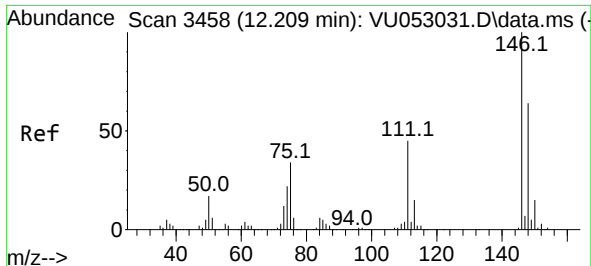
Tgt Ion:146 Resp: 86785
Ion Ratio Lower Upper
146 100
111 45.7 32.0 59.4
148 64.7 45.3 84.1



#65
1,4-Dichlorobenzene
Concen: 5.071 ug/L
RT: 11.833 min Scan# 3341
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

Tgt Ion:146 Resp: 85342
Ion Ratio Lower Upper
146 100
111 43.3 30.3 56.3
148 63.8 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 5.151 ug/L

RT: 12.209 min Scan# 3458

Delta R.T. 0.000 min

Lab File: VU053031.D

Acq: 10 Feb 2023 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD005009

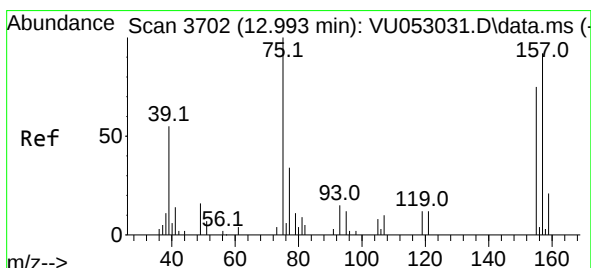
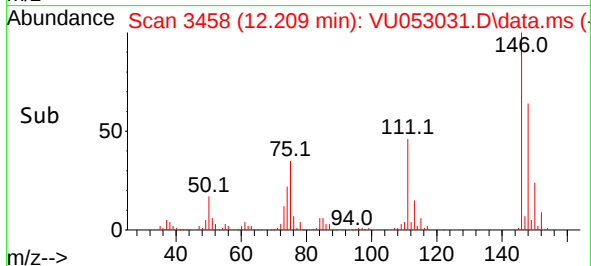
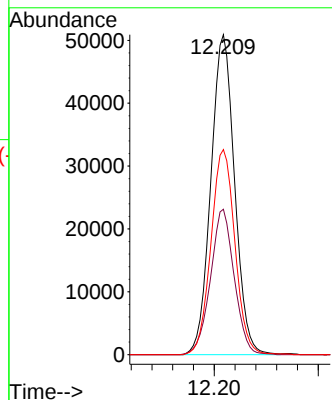
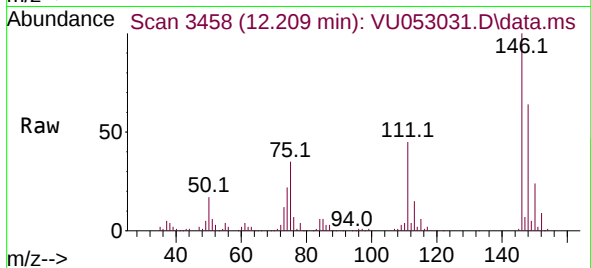
Tgt Ion:146 Resp: 80669

Ion Ratio Lower Upper

146 100

111 45.4 36.3 54.5

148 64.1 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.609 ug/L

RT: 12.993 min Scan# 3702

Delta R.T. 0.000 min

Lab File: VU053031.D

Acq: 10 Feb 2023 11:46

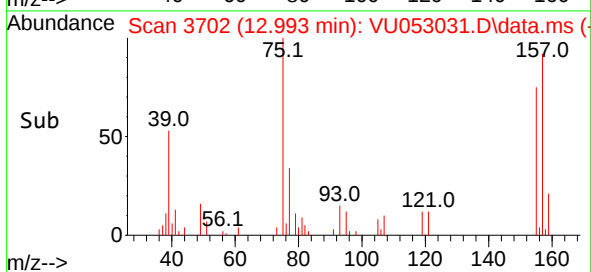
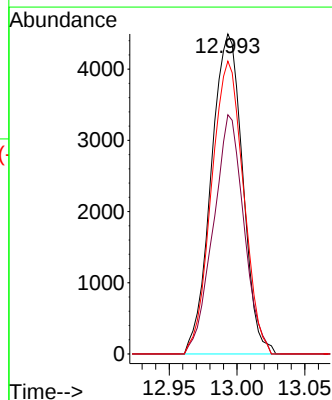
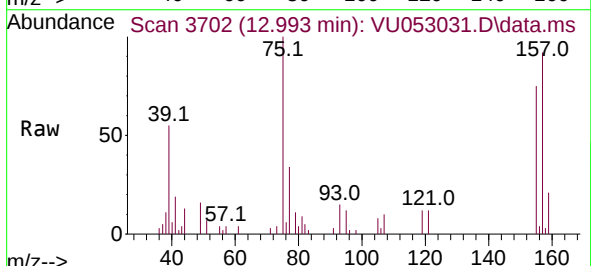
Tgt Ion: 75 Resp: 7257

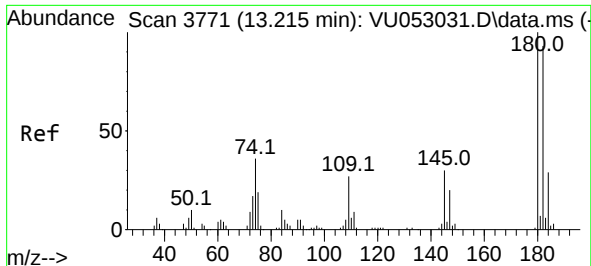
Ion Ratio Lower Upper

75 100

155 74.8 59.8 89.8

157 91.5 73.2 109.8

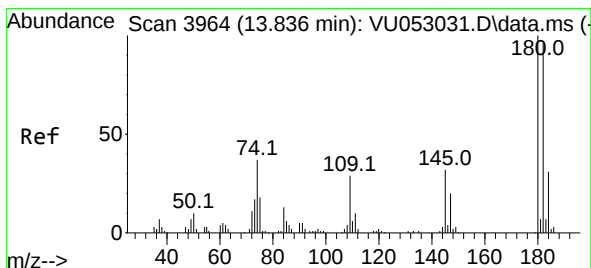
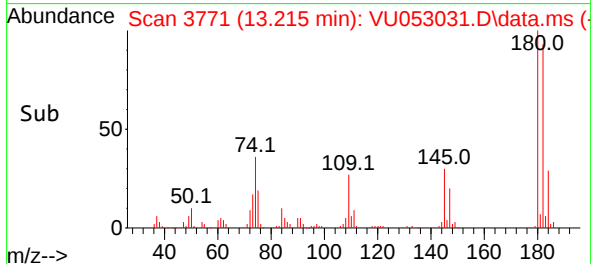
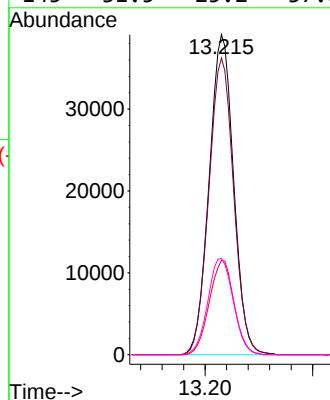
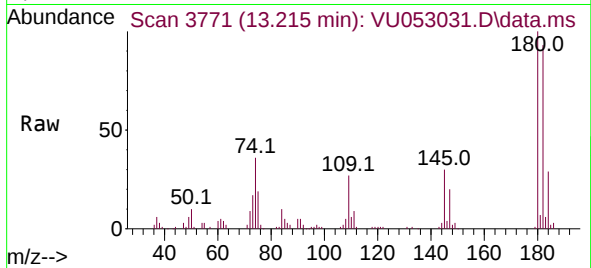




#69
 1,3,5-Trichlorobenzene
 Concen: 5.145 ug/L
 RT: 13.215 min Scan# 3771
 Delta R.T. 0.000 min
 Lab File: VU053031.D
 Acq: 10 Feb 2023 11:46

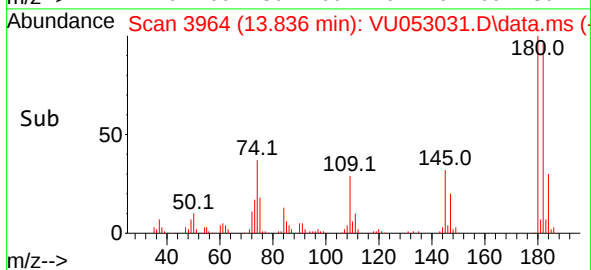
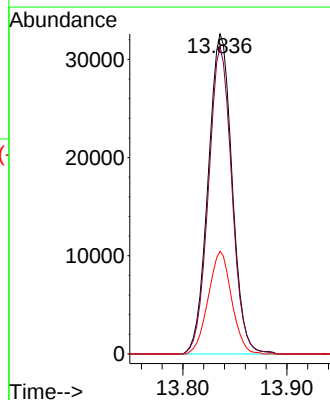
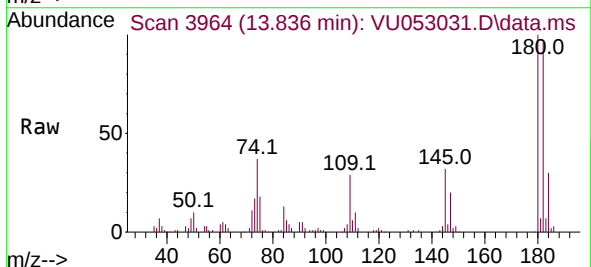
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005009

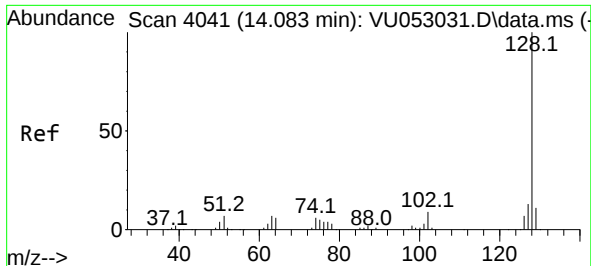
Tgt Ion:180 Resp: 61553
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.4 113.0
 184 29.7 23.8 35.6
 145 31.5 25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 5.237 ug/L
 RT: 13.836 min Scan# 3964
 Delta R.T. 0.000 min
 Lab File: VU053031.D
 Acq: 10 Feb 2023 11:46

Tgt Ion:180 Resp: 52016
 Ion Ratio Lower Upper
 180 100
 182 93.6 74.9 112.3
 145 31.4 25.1 37.7

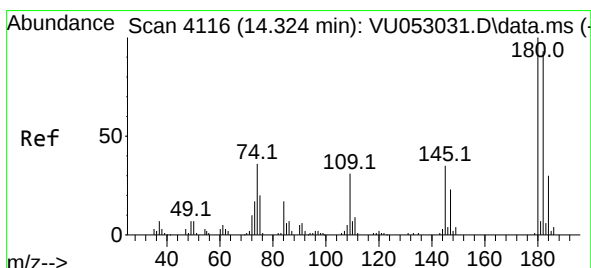
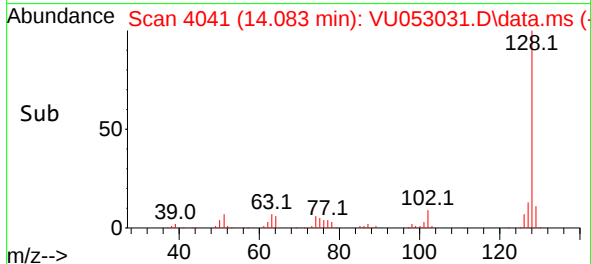
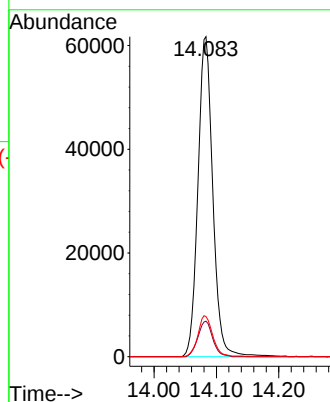
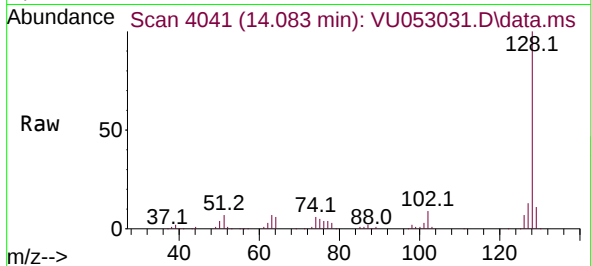




#71
Naphthalene
Concen: 5.126 ug/L
RT: 14.083 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD005009

Tgt Ion:128 Resp: 102104
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.8 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 5.210 ug/L
RT: 14.324 min Scan# 4116
Delta R.T. 0.000 min
Lab File: VU053031.D
Acq: 10 Feb 2023 11:46

Tgt Ion:180 Resp: 45667
Ion Ratio Lower Upper
180 100
182 95.3 76.2 114.4
145 35.2 28.2 42.2

