

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
 Data File : VU053837.D
 Acq On : 24 Apr 2023 12:15
 Operator : JC/MD
 Sample : VSTD01022
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010022

Quant Time: Apr 25 04:23:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 25 04:21:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	144132	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	137443	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	76612	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	92999	9.759	ug/L	0.00
7) Chloroethane-d5	1.916	69	77129	9.074	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	65	38350	9.613	ug/L	0.00
20) 2-Butanone-d5	4.629	46	181268	86.830	ug/L	0.00
24) Chloroform-d	5.060	84	179350	10.185	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	82735	9.316	ug/L	0.00
32) Benzene-d6	5.722	84	352306	9.418	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	107377	9.514	ug/L	0.00
41) Toluene-d8	7.893	98	334060	9.536	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	42882	9.871	ug/L	0.00
46) 2-Hexanone-d5	8.629	63	159402	93.247	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	82293	8.937	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	121679	9.436	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	115473	11.039	ug/L	95
3) Chloromethane	1.520	50	111795	10.714	ug/L	99
5) Vinyl chloride	1.604	62	133802	11.265	ug/L	98
6) Bromomethane	1.861	94	84536	11.156	ug/L	91
8) Chloroethane	1.935	64	78704	11.412	ug/L	97
9) Trichlorofluoromethane	2.141	101	194226	11.013	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	114364	12.439	ug/L	99
12) 1,1-Dichloroethene	2.581	96	99321	11.934	ug/L	98
13) Acetone	2.649	43	142251	107.765	ug/L	100
14) Carbon disulfide	2.793	76	277552	11.457	ug/L	100
15) Methyl Acetate	2.954	43	30032	9.746	ug/L	95
16) Methylene chloride	3.044	84	117108	10.599	ug/L	98
17) Methyl tert-butyl Ether	3.359	73	219341	11.081	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	100849	11.719	ug/L	98
19) 1,1-Dichloroethane	3.867	63	183331	11.560	ug/L	99
21) 2-Butanone	4.710	43	214405	104.739	ug/L	96
22) cis-1,2-Dichloroethene	4.661	96	115085	10.005	ug/L	97
23) Bromochloromethane	4.970	128	51172	12.188	ug/L	96
25) Chloroform	5.083	83	199983	12.124	ug/L	99
27) 1,2-Dichloroethane	5.790	62	115833	11.439	ug/L	96
29) 1,1,1-Trichloroethane	5.311	97	172495	12.354	ug/L	99
30) Cyclohexane	5.385	56	156565	10.850	ug/L	99
31) Carbon tetrachloride	5.520	117	152239	12.608	ug/L	98
33) Benzene	5.771	78	427207	11.327	ug/L	100
34) Trichloroethene	6.536	95	117163	11.631	ug/L	98
35) Methylcyclohexane	6.758	83	188076	11.156	ug/L	99
37) 1,2-Dichloropropane	6.787	63	106611	10.873	ug/L	99
38) Bromodichloromethane	7.102	83	134004	12.074	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	167778	11.653	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	491428	105.049	ug/L	99
42) Toluene	7.964	91	465955	11.362	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	133496	11.397	ug/L	98

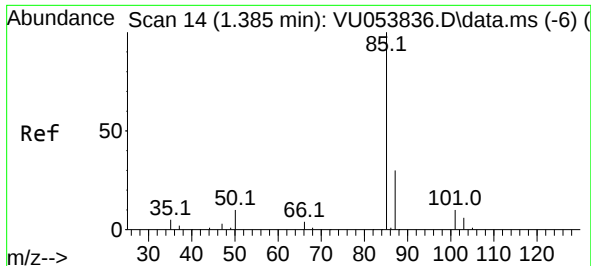
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.394	97	79188	11.263	ug/L	95
47) Tetrachloroethene	8.549	164	93362	12.383	ug/L	98
48) 2-Hexanone	8.681	43	367852	107.005	ug/L	98
49) Dibromochloromethane	8.806	129	87465	12.418	ug/L	98
50) 1,2-Dibromoethane	8.918	107	76950	11.443	ug/L	97
51) Chlorobenzene	9.443	112	305183	11.783	ug/L	99
52) Ethylbenzene	9.565	91	513141	11.543	ug/L	98
53) m,p-Xylene	9.690	106	201737	11.892	ug/L	97
54) o-Xylene	10.095	106	192897	11.961	ug/L	96
55) Styrene	10.111	104	325625	12.259	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	96068	11.075	ug/L	97
59) Bromoform	10.285	173	48054	11.916	ug/L	98
60) Isopropylbenzene	10.478	105	523903	11.279	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	62934	10.144	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	432452	11.540	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	441375	11.520	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	247594	11.870	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	241870	11.578	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	224129	11.454	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	13477	11.040	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	177488	12.141	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	151920	13.109	ug/L	98
71) Naphthalene	14.082	128	257542	12.067	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	135959	13.435	ug/L	98

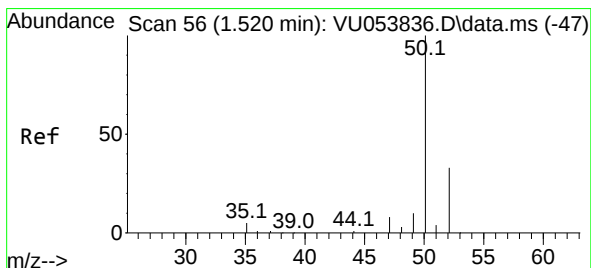
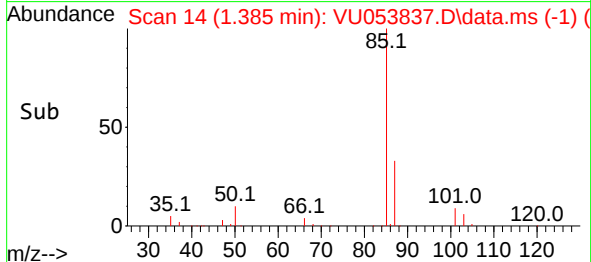
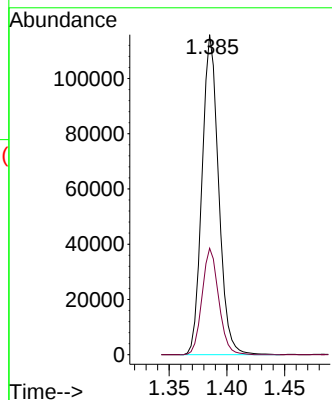
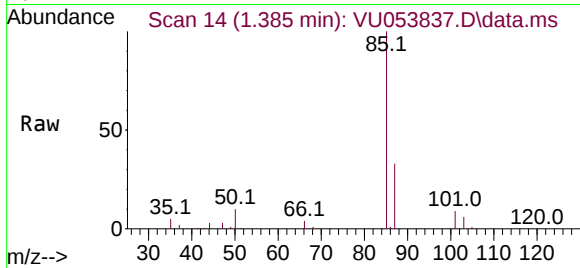
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 11.039 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

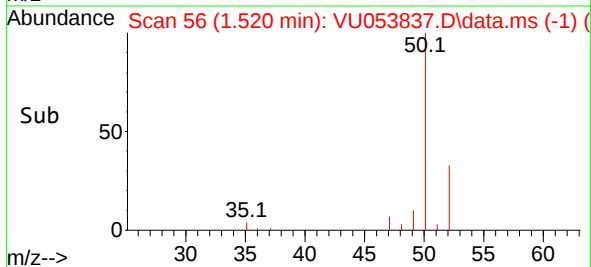
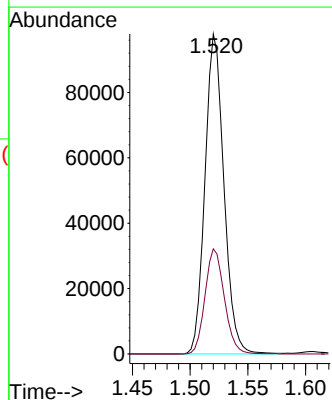
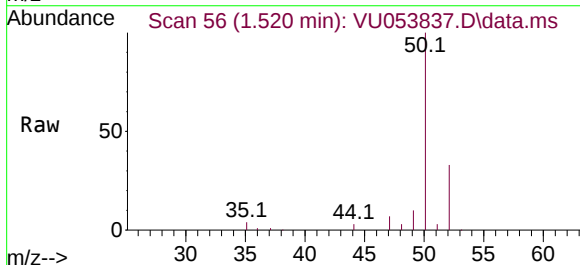
Instrument :
MSVOA_U
ClientSampleId :
VSTD010022

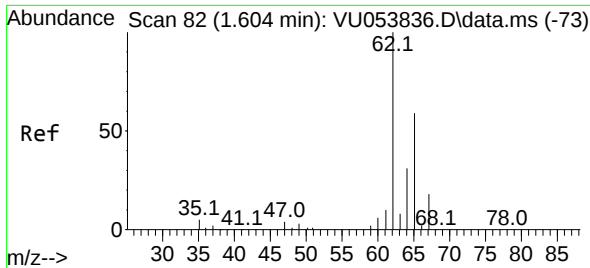
Tgt Ion: 85 Resp: 115473
Ion Ratio Lower Upper
85 100
87 33.2 24.5 36.7



#3
Chloromethane
Concen: 10.714 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

Tgt Ion: 50 Resp: 111795
Ion Ratio Lower Upper
50 100
52 32.8 23.4 43.6

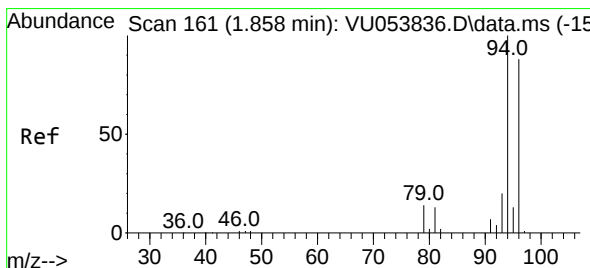
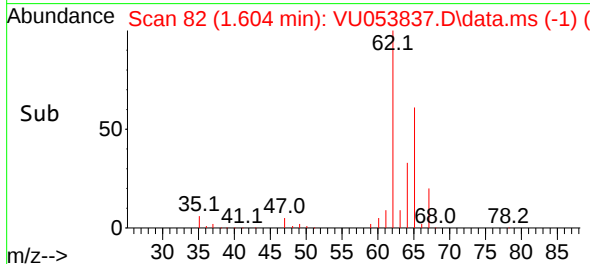
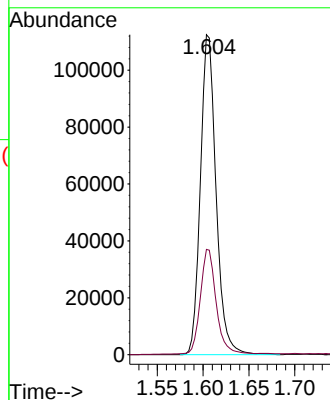
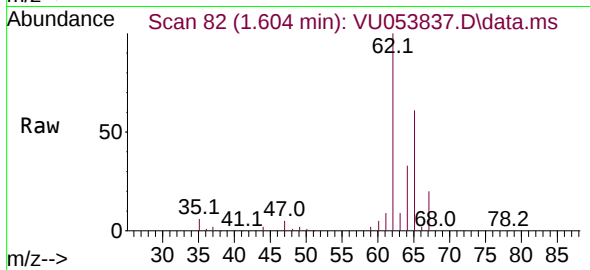




#5
 Vinyl chloride
 Concen: 11.265 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053837.D
 Acq: 24 Apr 2023 12:15

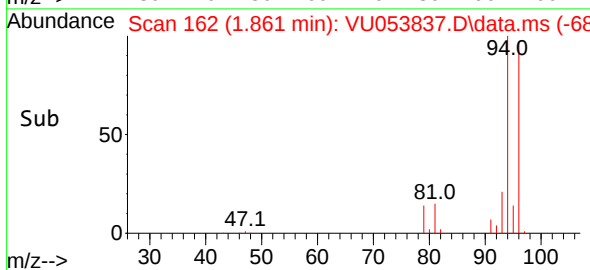
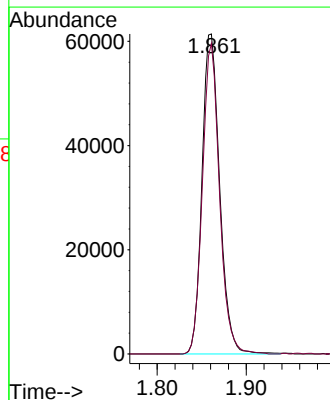
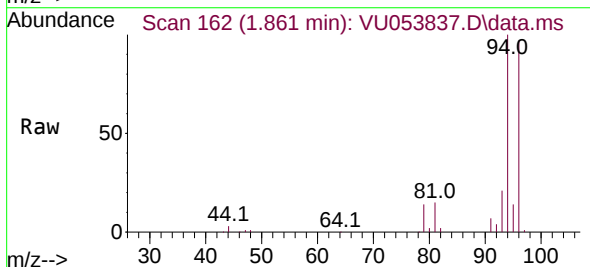
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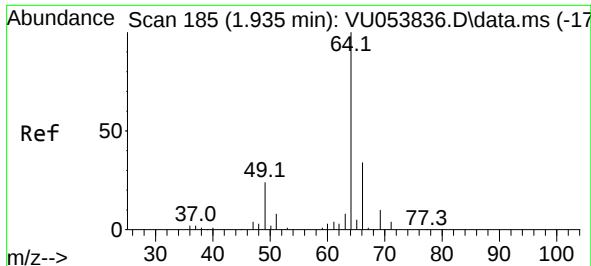
Tgt Ion: 62 Resp: 133802
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.4 41.6



#6
 Bromomethane
 Concen: 11.156 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.003 min
 Lab File: VU053837.D
 Acq: 24 Apr 2023 12:15

Tgt Ion: 94 Resp: 84536
 Ion Ratio Lower Upper
 94 100
 96 97.0 61.9 114.9

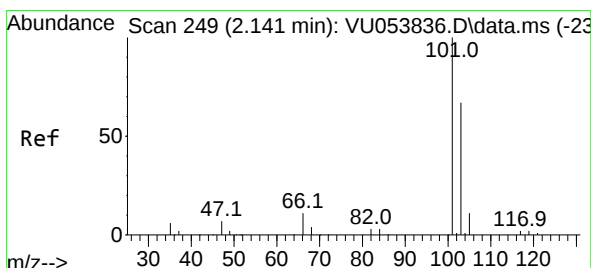
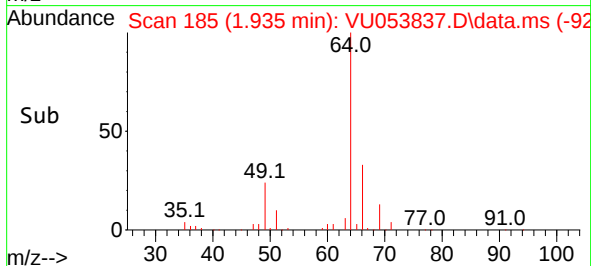
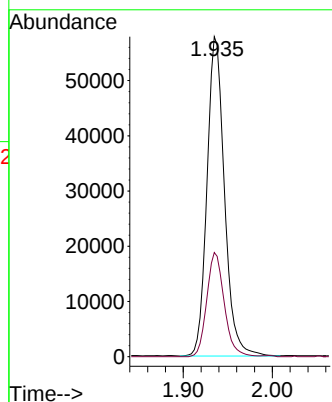
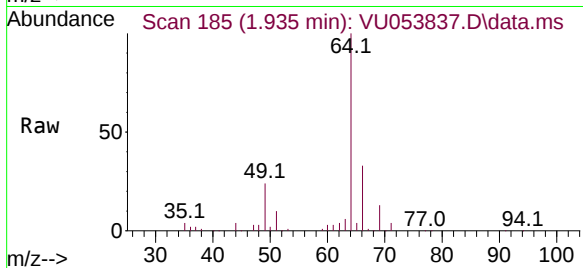




#8
Chloroethane
Concen: 11.412 ug/L
RT: 1.935 min Scan# 185
Delta R.T. -0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

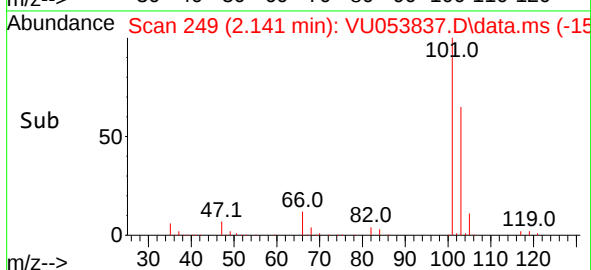
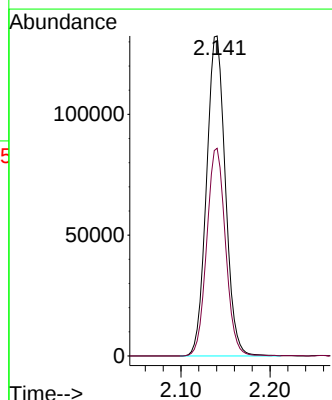
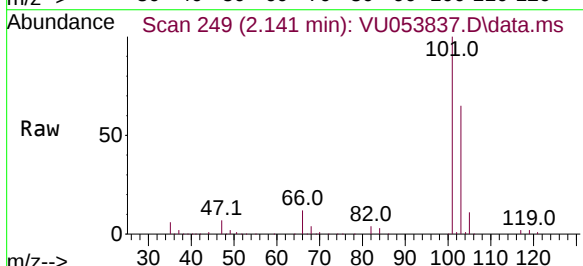
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ClientSampleId :
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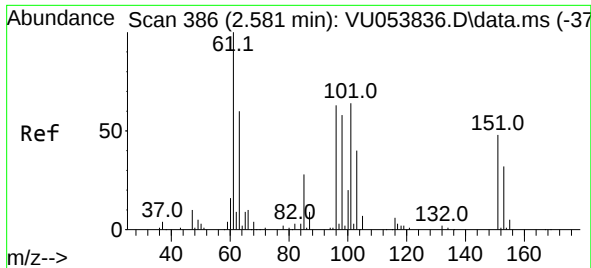
Tgt Ion: 64 Resp: 78704
Ion Ratio Lower Upper
64 100
66 32.6 23.8 44.2



#9
Trichlorofluoromethane
Concen: 11.013 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

Tgt Ion: 101 Resp: 194226
Ion Ratio Lower Upper
101 100
103 64.6 52.6 78.8

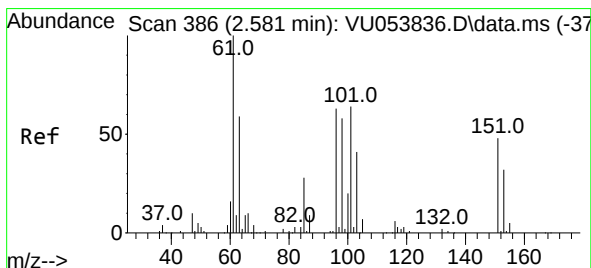
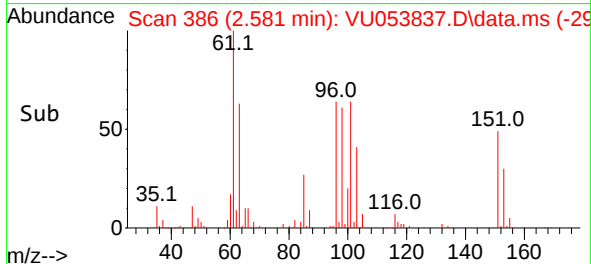
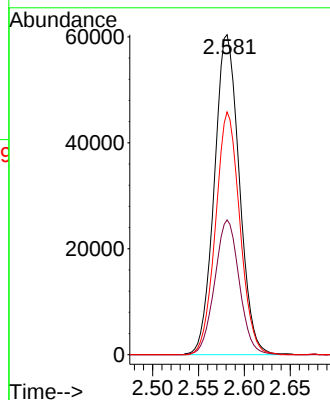
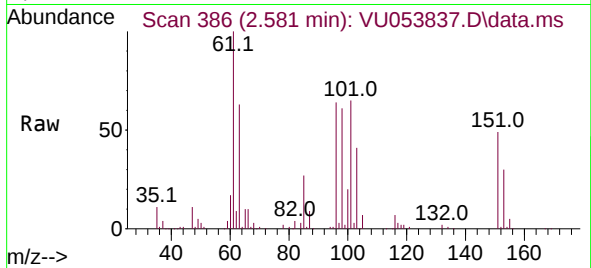




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 12.439 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU053837.D
 Acq: 24 Apr 2023 12:15

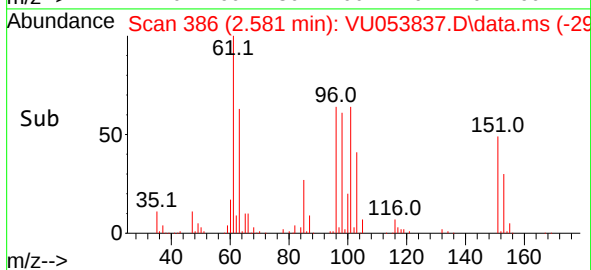
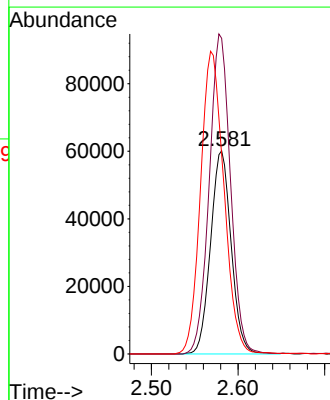
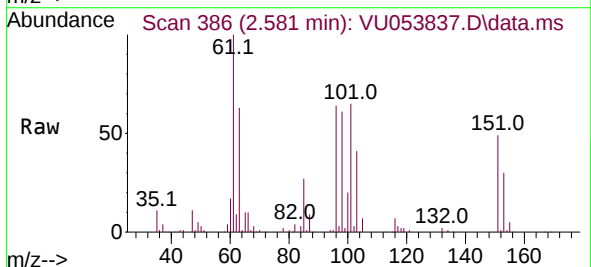
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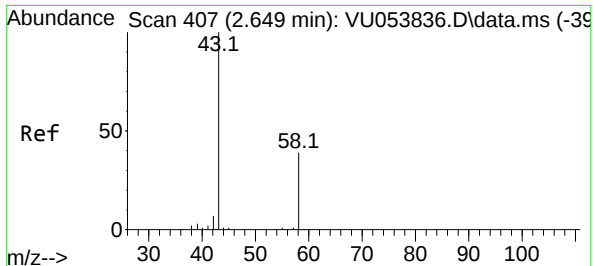
Tgt Ion:101 Resp: 114364
 Ion Ratio Lower Upper
 101 100
 85 41.6 34.7 52.1
 151 74.0 59.1 88.7



#12
 1,1-Dichloroethene
 Concen: 11.934 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU053837.D
 Acq: 24 Apr 2023 12:15

Tgt Ion: 96 Resp: 99321
 Ion Ratio Lower Upper
 96 100
 61 155.4 111.5 207.1
 63 98.2 68.7 127.7





#13

Acetone

Concen: 107.765 ug/L

RT: 2.649 min Scan# 407

Delta R.T. 0.000 min

Lab File: VU053837.D

Acq: 24 Apr 2023 12:15

Instrument :

MSVOA_U

ClientSampleId :

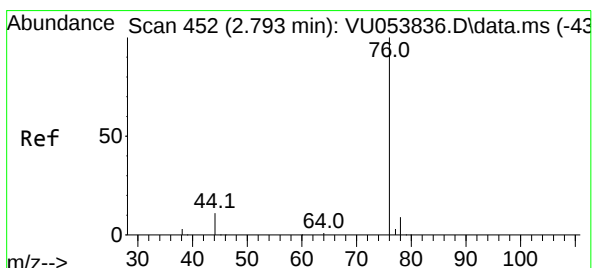
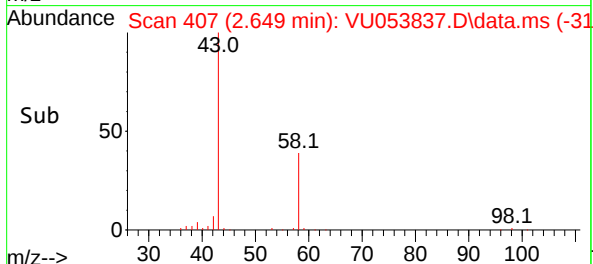
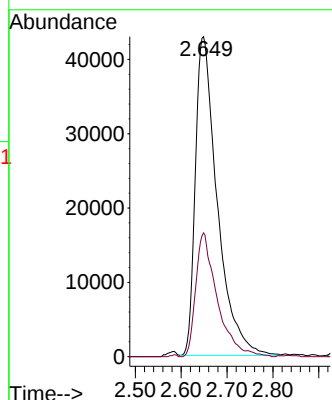
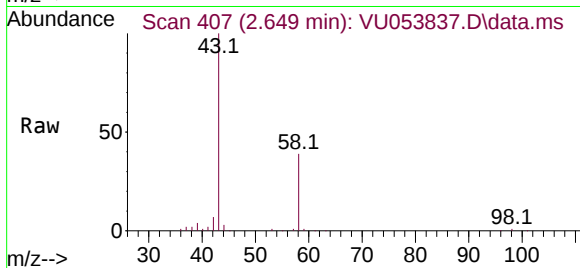
VSTD010022

Tgt Ion: 43 Resp: 142251

Ion Ratio Lower Upper

43 100

58 38.0 0.0 76.2



#14

Carbon disulfide

Concen: 11.457 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU053837.D

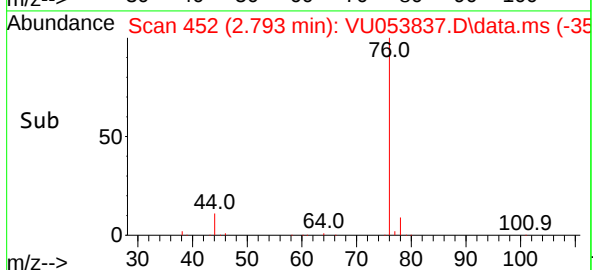
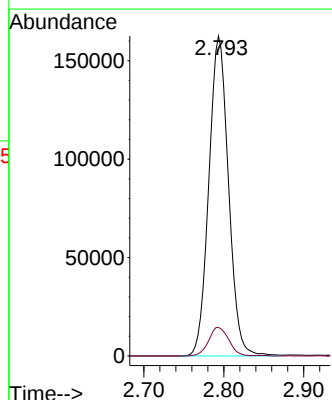
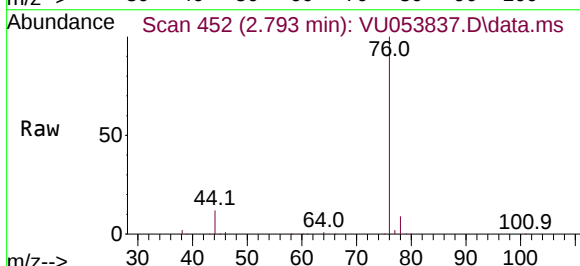
Acq: 24 Apr 2023 12:15

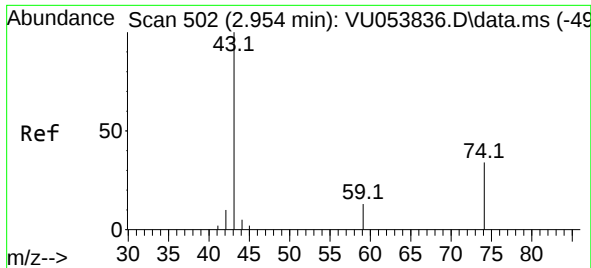
Tgt Ion: 76 Resp: 277552

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

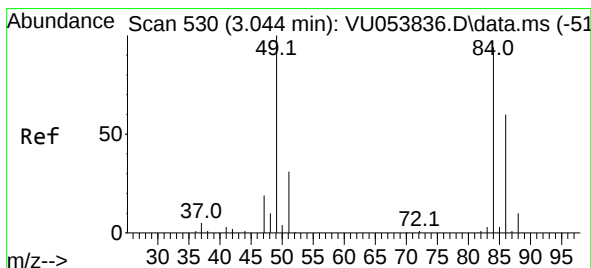
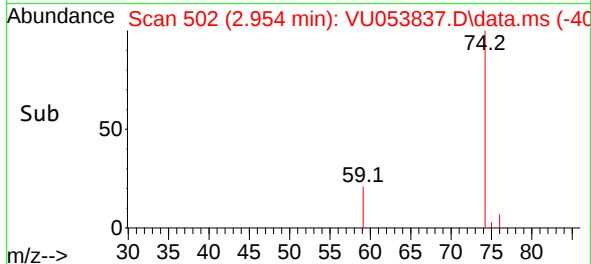
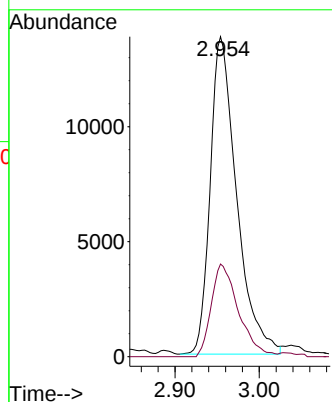
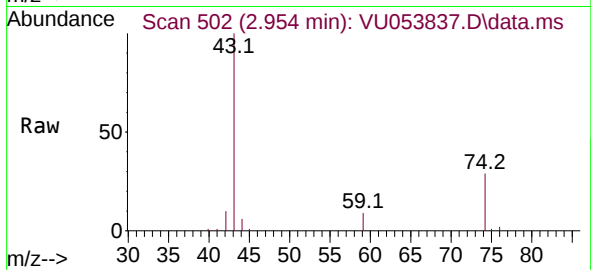




#15
Methyl Acetate
Concen: 9.746 ug/L
RT: 2.954 min Scan# 50
Delta R.T. -0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

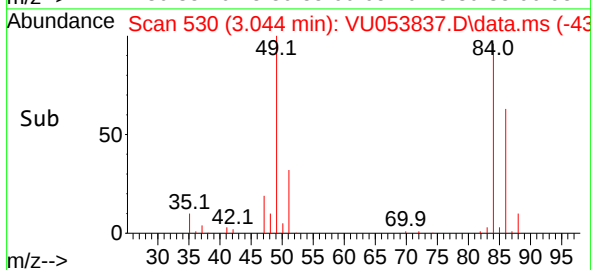
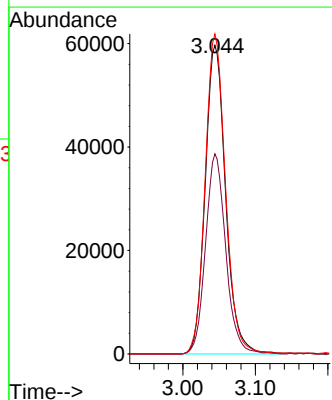
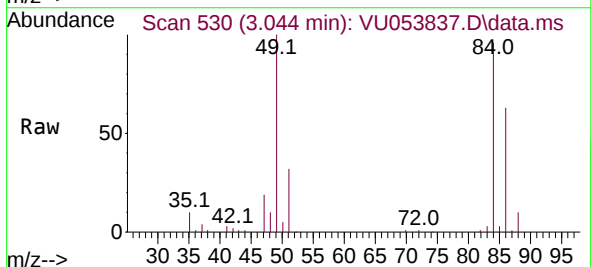
Instrument :
MSVOA_U
ClientSampleId :
VSTD010022

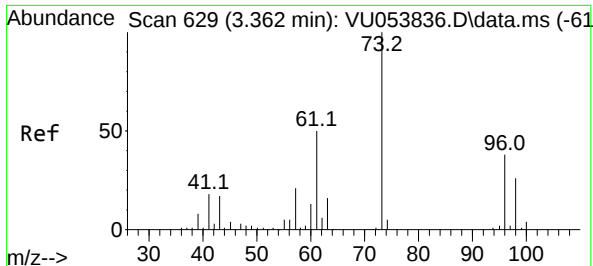
Tgt Ion: 43 Resp: 30032
Ion Ratio Lower Upper
43 100
74 30.0 22.0 33.0



#16
Methylene chloride
Concen: 10.599 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

Tgt Ion: 84 Resp: 117108
Ion Ratio Lower Upper
84 100
86 64.8 45.0 83.6
49 103.7 74.8 138.8





#17

Methyl tert-butyl Ether

Concen: 11.081 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU053837.D

Acq: 24 Apr 2023 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD010022

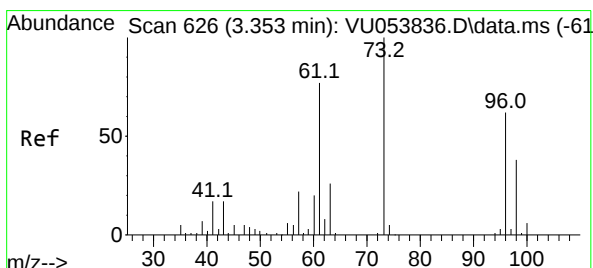
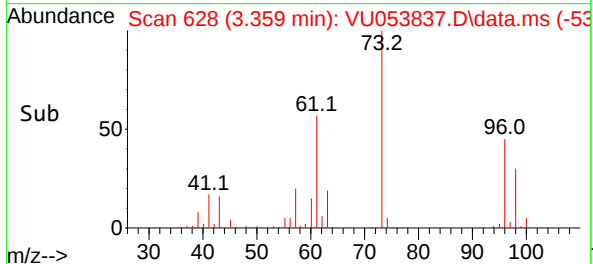
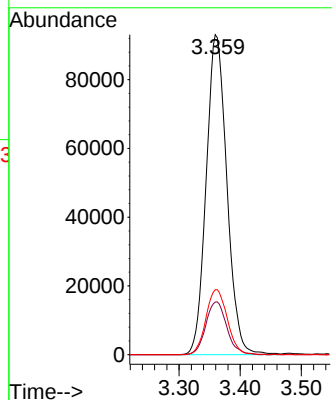
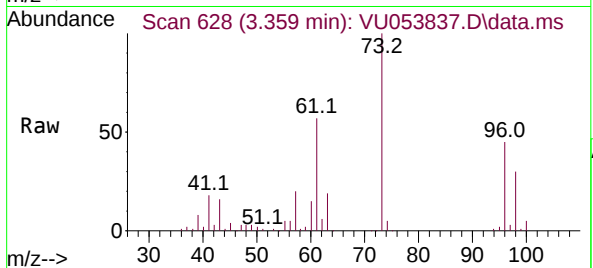
Tgt Ion: 73 Resp: 219341

Ion Ratio Lower Upper

73 100

43 16.8 13.4 20.2

57 21.0 17.2 25.8



#18

trans-1,2-Dichloroethene

Concen: 11.719 ug/L

RT: 3.353 min Scan# 626

Delta R.T. -0.000 min

Lab File: VU053837.D

Acq: 24 Apr 2023 12:15

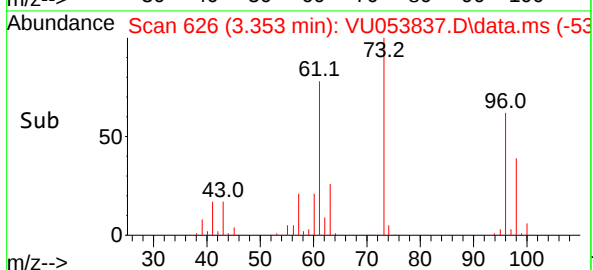
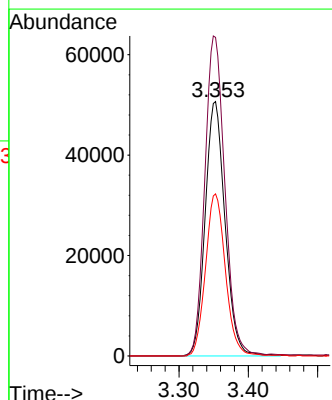
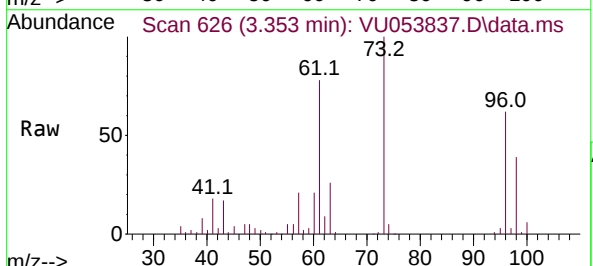
Tgt Ion: 96 Resp: 100849

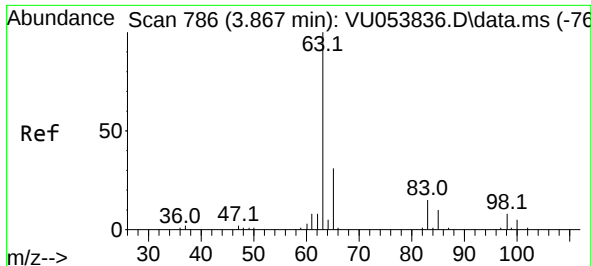
Ion Ratio Lower Upper

96 100

61 125.2 86.2 160.0

98 63.7 42.8 79.4

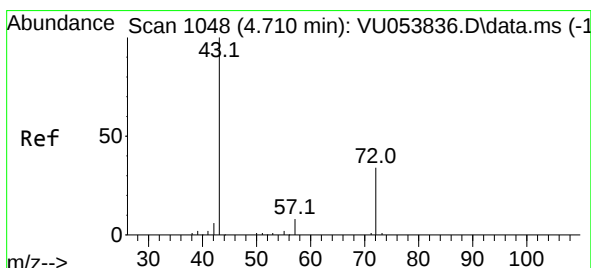
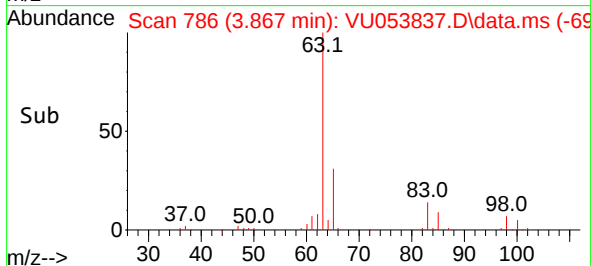
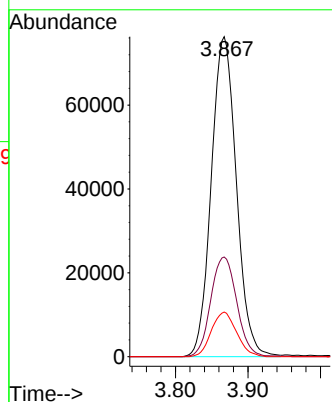
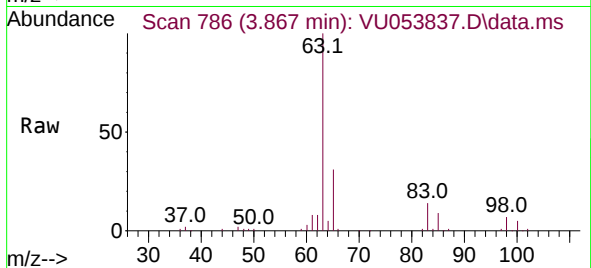




#19
1,1-Dichloroethane
Concen: 11.560 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

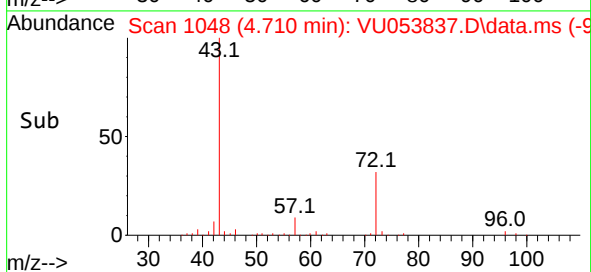
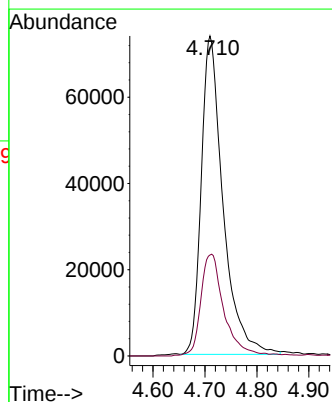
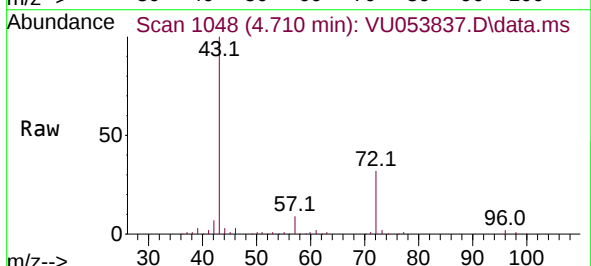
Instrument :
MSVOA_U
ClientSampleId :
VSTD010022

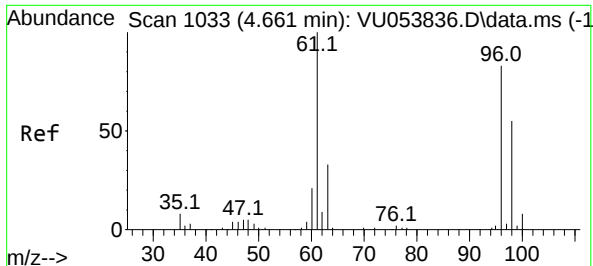
Tgt Ion: 63 Resp: 183331
Ion Ratio Lower Upper
63 100
65 31.2 22.0 40.8
83 13.9 10.3 19.1



#21
2-Butanone
Concen: 104.739 ug/L
RT: 4.710 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

Tgt Ion: 43 Resp: 214405
Ion Ratio Lower Upper
43 100
72 33.6 15.7 47.0

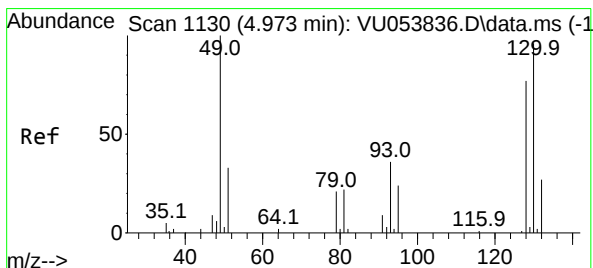
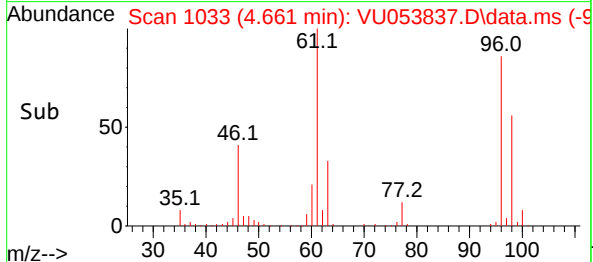
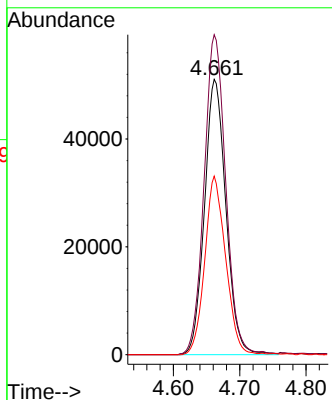
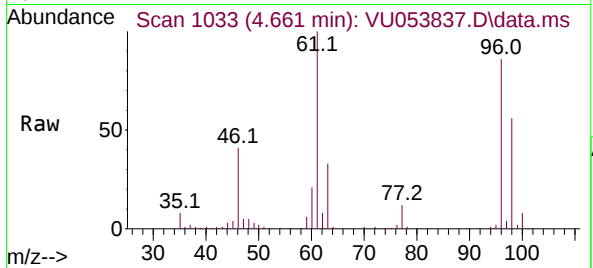




#22
cis-1,2-Dichloroethene
Concen: 10.005 ug/L
RT: 4.661 min Scan# 11085
Delta R.T. 0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

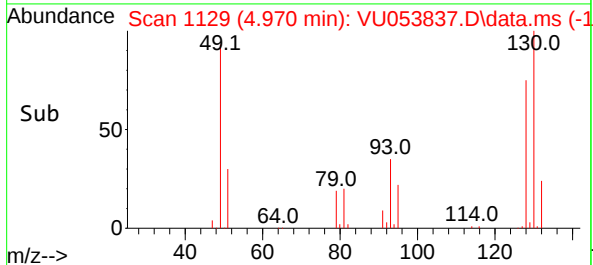
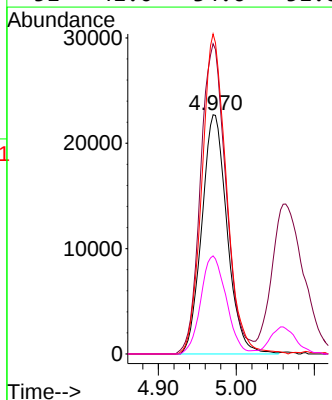
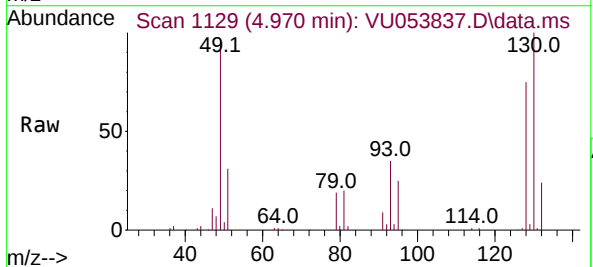
Instrument :
MSVOA_U
ClientSampleId :
VSTD010022

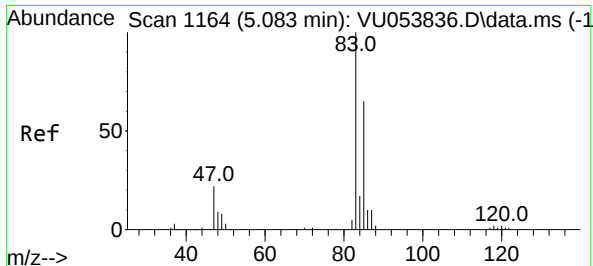
Tgt Ion: 96 Resp: 115085
Ion Ratio Lower Upper
96 100
61 116.2 84.3 156.5
98 64.9 46.4 86.2



#23
Bromochloromethane
Concen: 12.188 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.003 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

Tgt Ion:128 Resp: 51172
Ion Ratio Lower Upper
128 100
49 129.7 91.3 169.5
130 133.8 87.6 162.8
51 41.0 34.6 51.8





#25

Chloroform

Concen: 12.124 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053837.D

Acq: 24 Apr 2023 12:15

Instrument :

MSVOA_U

ClientSampleId :

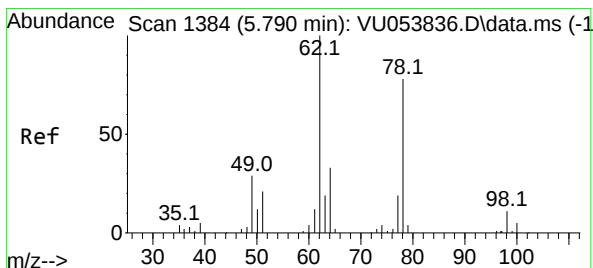
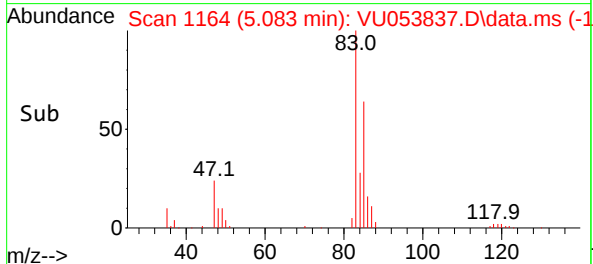
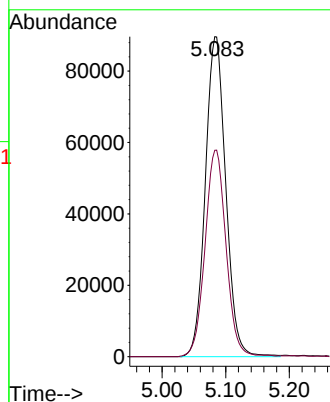
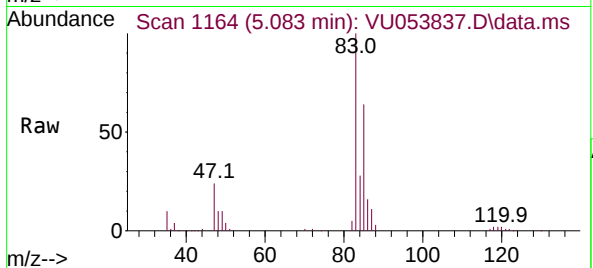
VSTD010022

Tgt Ion: 83 Resp: 199983

Ion Ratio Lower Upper

83 100

85 64.5 45.6 84.8



#27

1,2-Dichloroethane

Concen: 11.439 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU053837.D

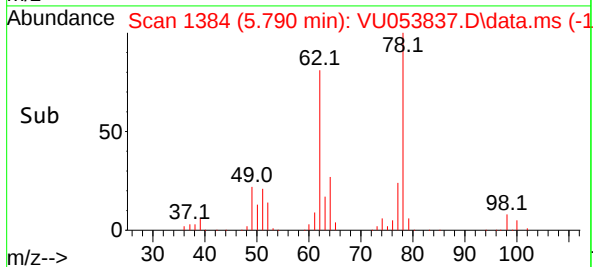
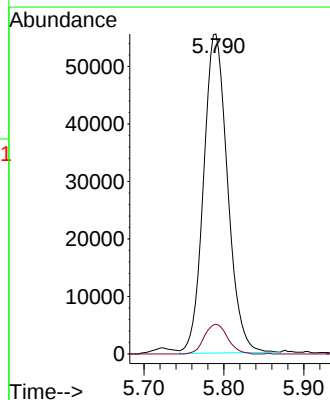
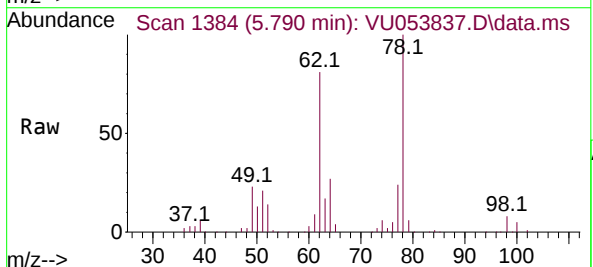
Acq: 24 Apr 2023 12:15

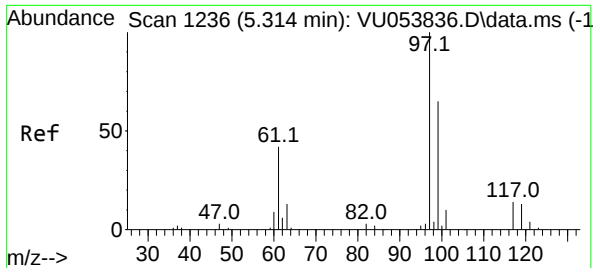
Tgt Ion: 62 Resp: 115833

Ion Ratio Lower Upper

62 100

98 9.3 8.7 13.1





#29

1,1,1-Trichloroethane

Concen: 12.354 ug/L

RT: 5.311 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053837.D

Acq: 24 Apr 2023 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD010022

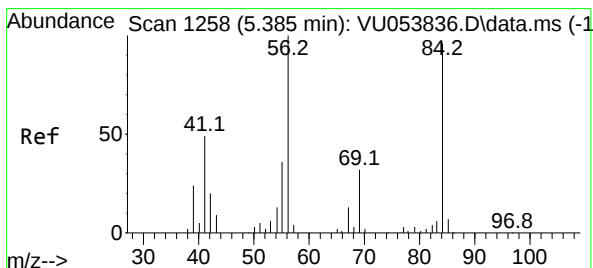
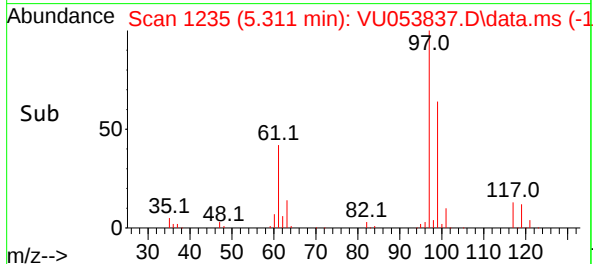
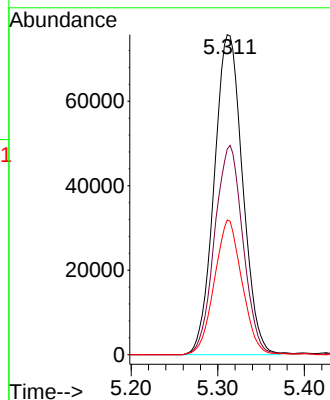
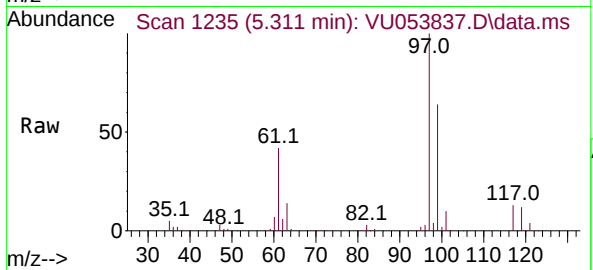
Tgt Ion: 97 Resp: 172495

Ion Ratio Lower Upper

97 100

99 65.5 52.9 79.3

61 41.0 33.8 50.8



#30

Cyclohexane

Concen: 10.850 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU053837.D

Acq: 24 Apr 2023 12:15

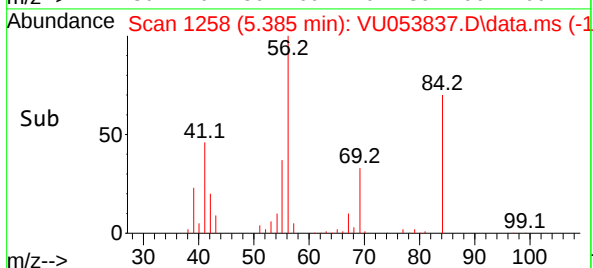
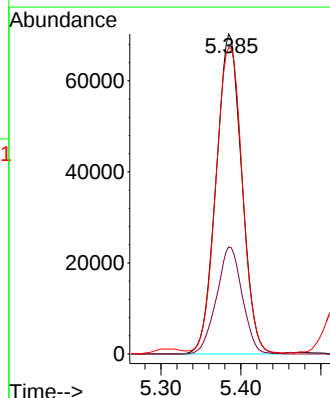
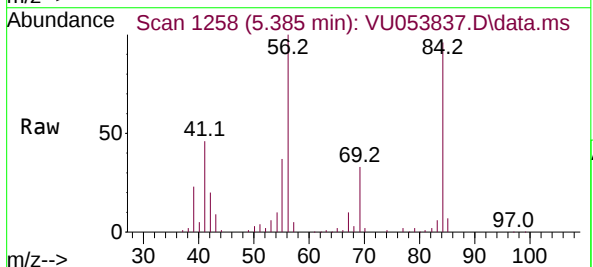
Tgt Ion: 56 Resp: 156565

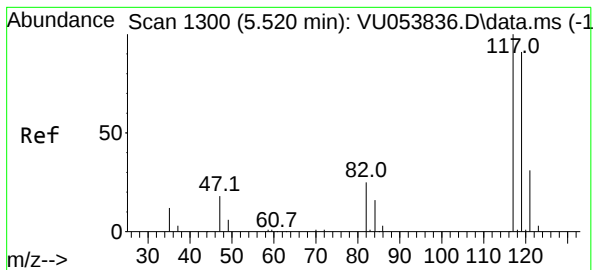
Ion Ratio Lower Upper

56 100

69 33.5 27.0 40.4

84 99.2 78.0 117.0

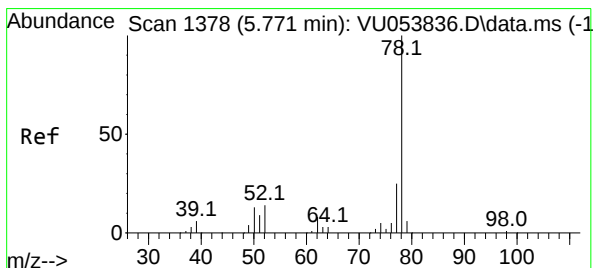
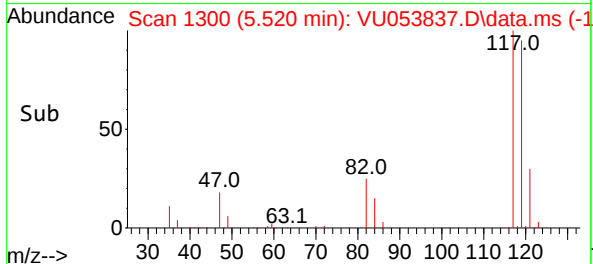
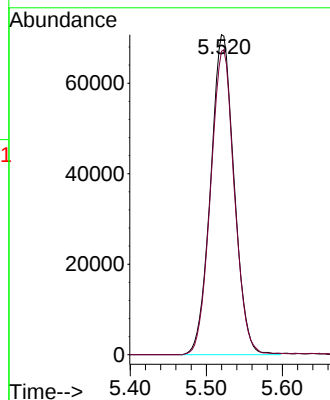
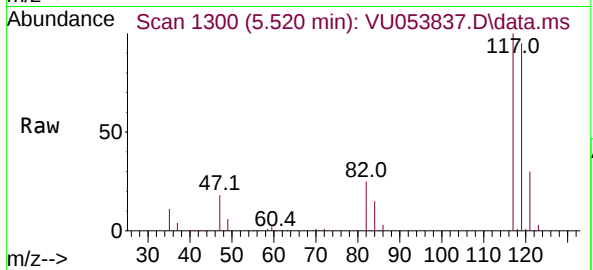




#31
Carbon tetrachloride
Concen: 12.608 ug/L
RT: 5.520 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

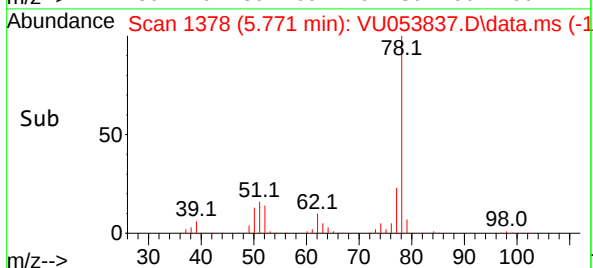
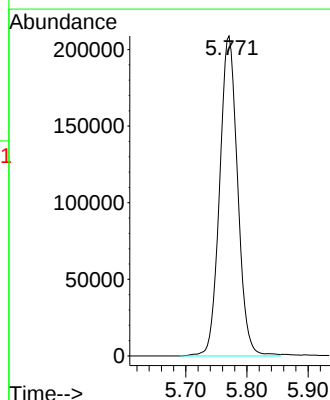
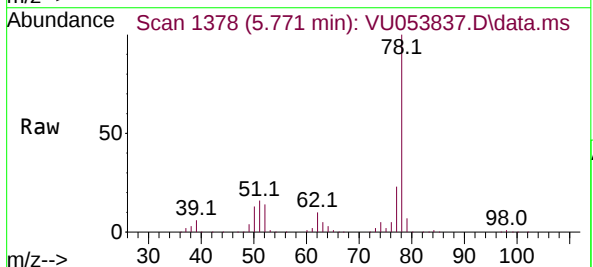
Instrument :
MSVOA_U
ClientSampleId :
VSTD010022

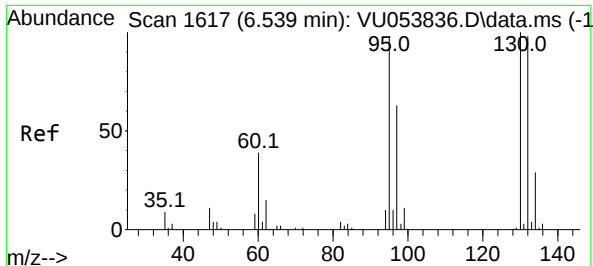
Tgt Ion:117 Resp: 152239
Ion Ratio Lower Upper
117 100
119 96.0 75.0 112.6



#33
Benzene
Concen: 11.327 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

Tgt Ion: 78 Resp: 427207

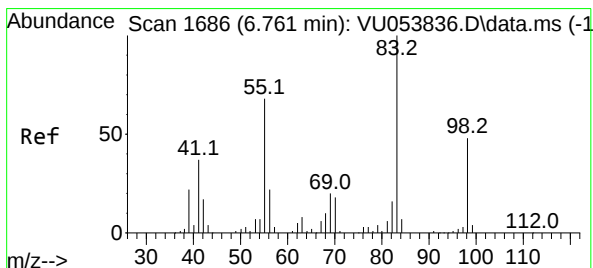
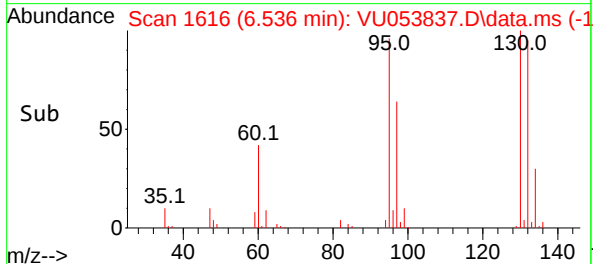
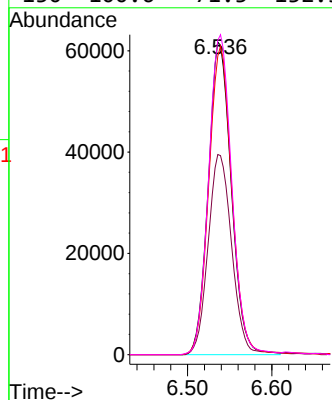
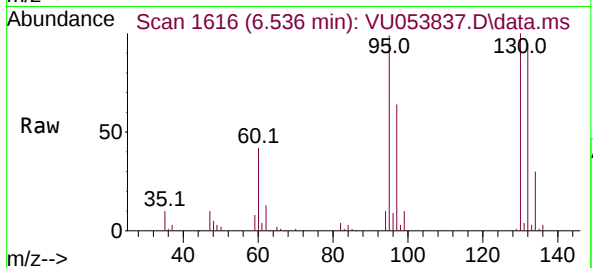




#34
Trichloroethene
Concen: 11.631 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

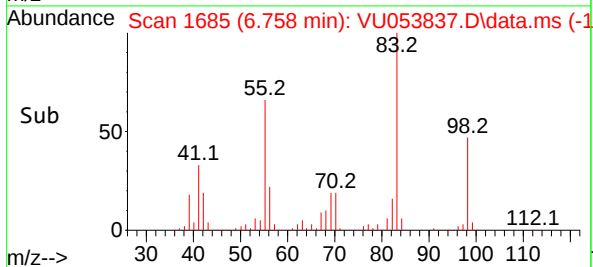
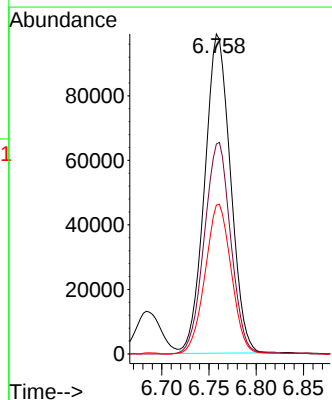
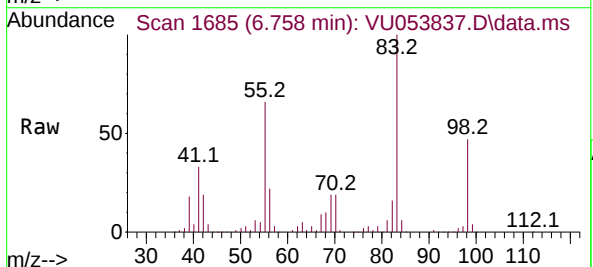
Instrument :
MSVOA_U
ClientSampleId :
VSTD010022

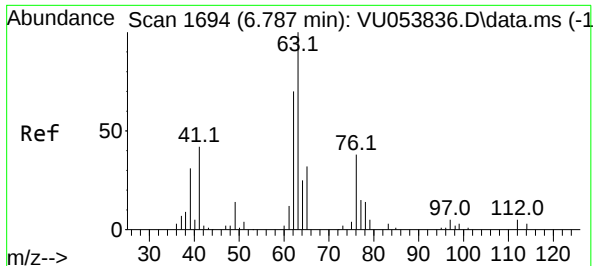
Tgt Ion: 95 Resp: 117163
Ion Ratio Lower Upper
95 100
97 64.1 45.1 83.9
132 95.6 69.9 129.9
130 100.6 71.3 132.3



#35
Methylcyclohexane
Concen: 11.156 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

Tgt Ion: 83 Resp: 188076
Ion Ratio Lower Upper
83 100
55 68.2 55.4 83.2
98 47.6 37.3 55.9





#37

1,2-Dichloropropane

Concen: 10.873 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053837.D

Acq: 24 Apr 2023 12:15

Instrument :

MSVOA_U

ClientSampleId :

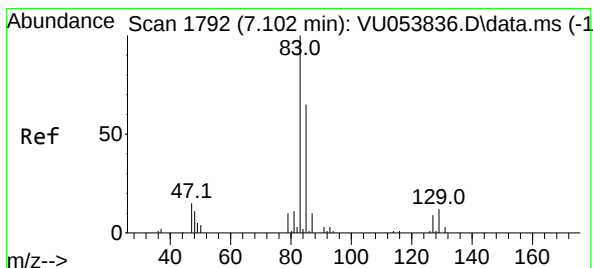
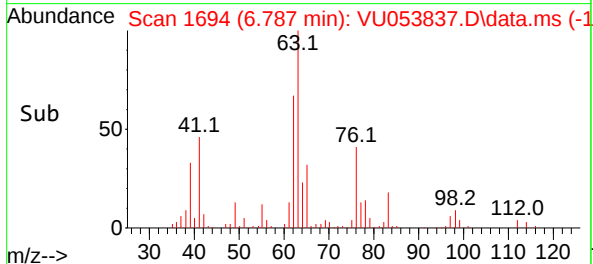
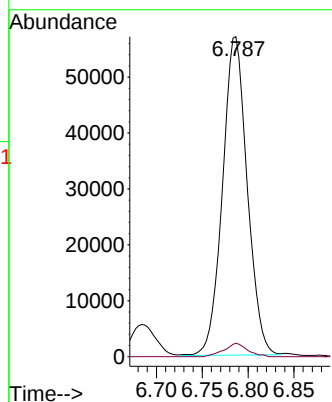
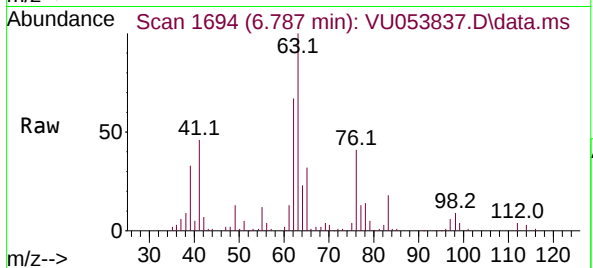
VSTD010022

Tgt Ion: 63 Resp: 106611

Ion Ratio Lower Upper

63 100

112 4.0 3.5 5.3



#38

Bromodichloromethane

Concen: 12.074 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU053837.D

Acq: 24 Apr 2023 12:15

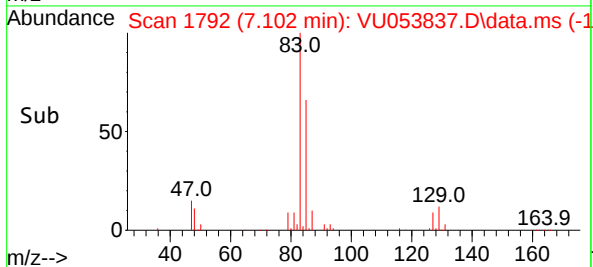
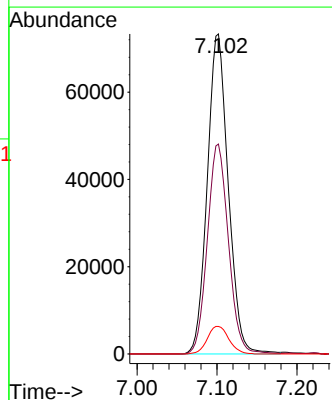
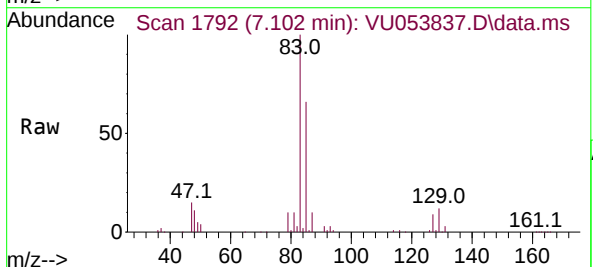
Tgt Ion: 83 Resp: 134004

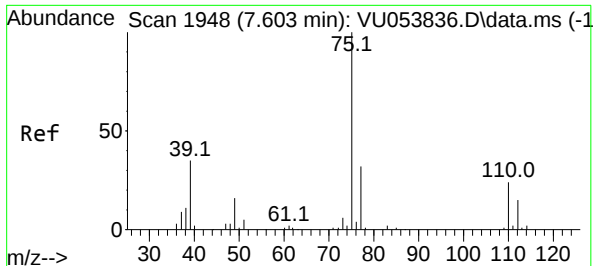
Ion Ratio Lower Upper

83 100

85 65.6 45.2 84.0

127 8.6 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 11.653 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU053837.D

Acq: 24 Apr 2023 12:15

Instrument :

MSVOA_U

ClientSampleId :

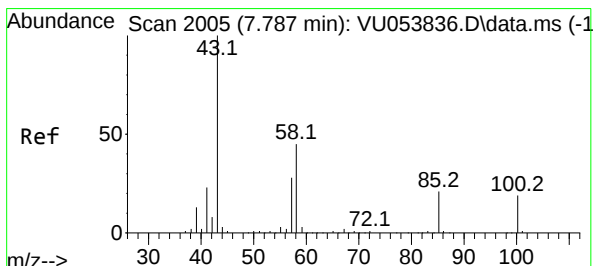
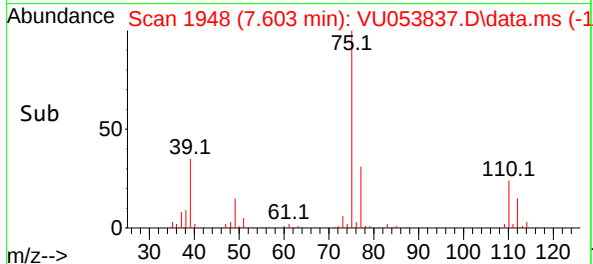
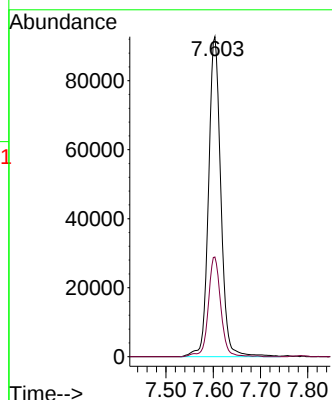
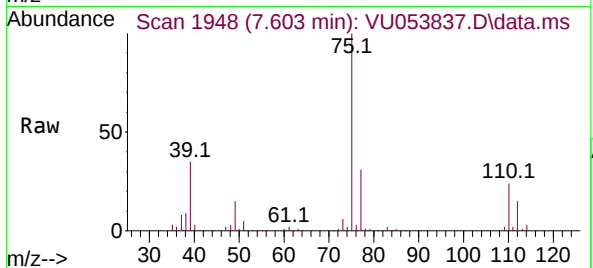
VSTD010022

Tgt Ion: 75 Resp: 167778

Ion Ratio Lower Upper

75 100

77 31.1 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 105.049 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VU053837.D

Acq: 24 Apr 2023 12:15

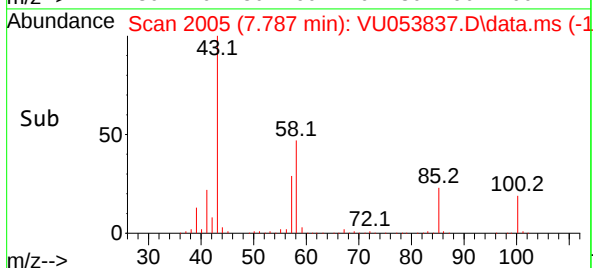
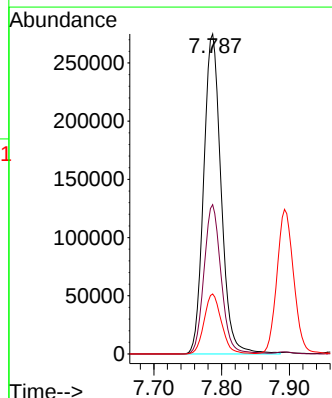
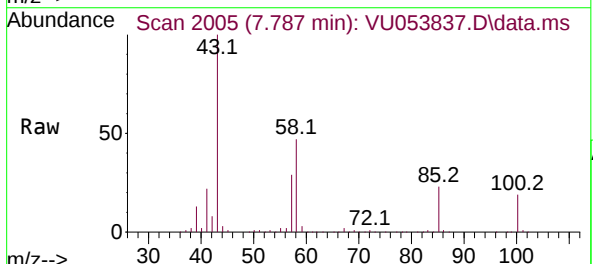
Tgt Ion: 43 Resp: 491428

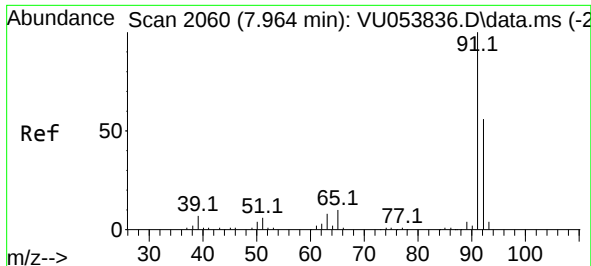
Ion Ratio Lower Upper

43 100

58 46.0 36.0 54.0

100 18.7 15.1 22.7





#42

Toluene

Concen: 11.362 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053837.D

Acq: 24 Apr 2023 12:15

Instrument :

MSVOA_U

ClientSampleId :

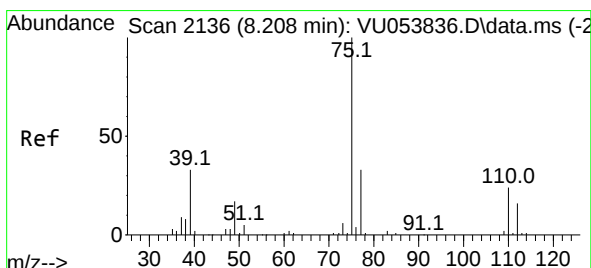
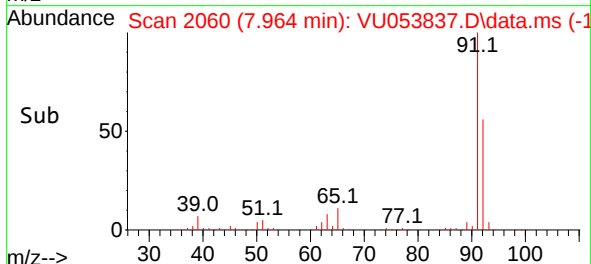
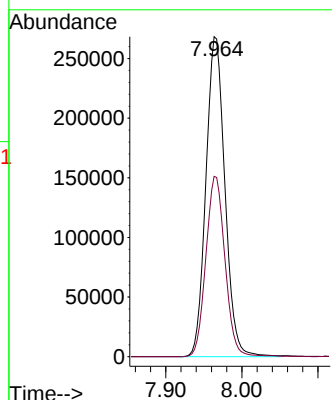
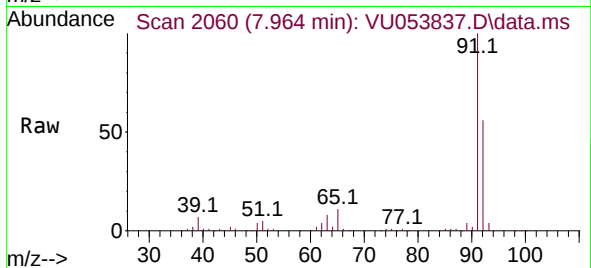
VSTD010022

Tgt Ion: 91 Resp: 465955

Ion Ratio Lower Upper

91 100

92 56.4 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 11.397 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.003 min

Lab File: VU053837.D

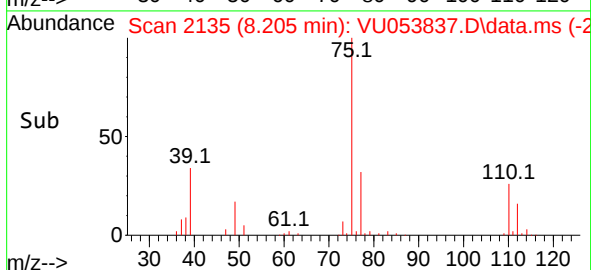
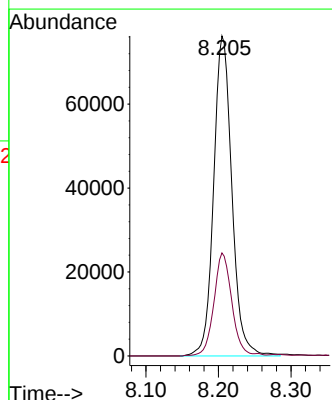
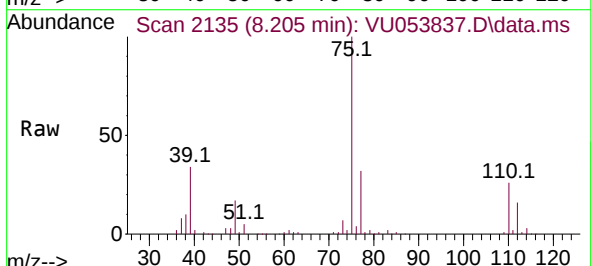
Acq: 24 Apr 2023 12:15

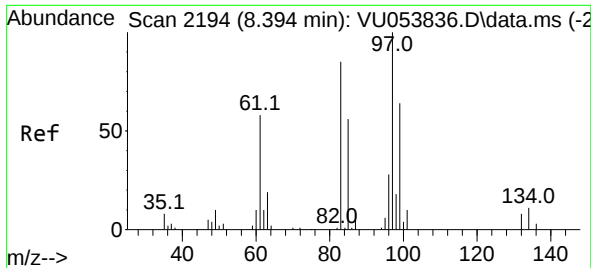
Tgt Ion: 75 Resp: 133496

Ion Ratio Lower Upper

75 100

77 32.2 23.3 43.3

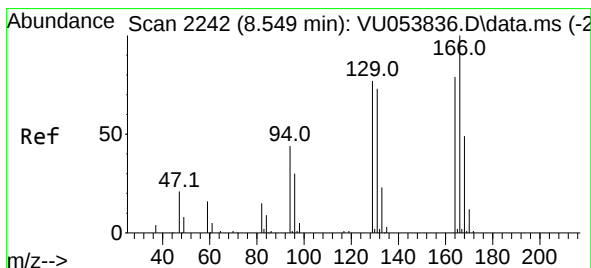
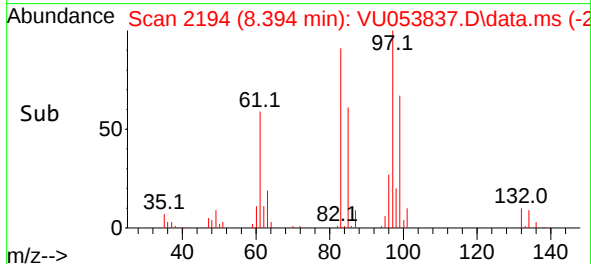
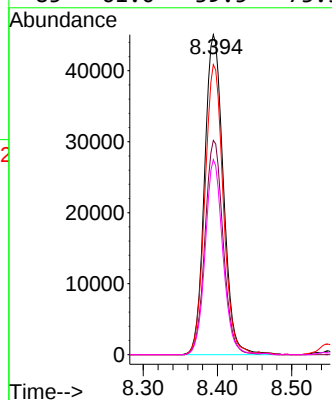
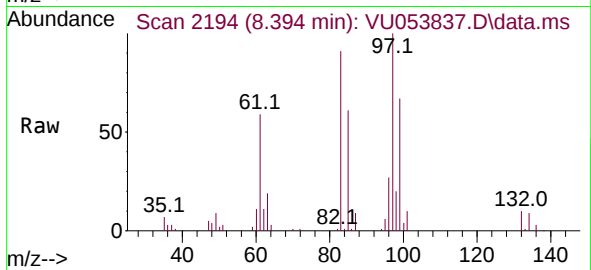




#45
1,1,2-Trichloroethane
Concen: 11.263 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

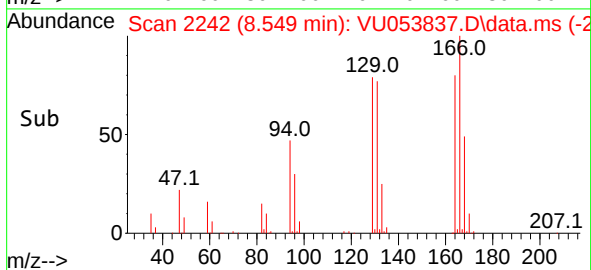
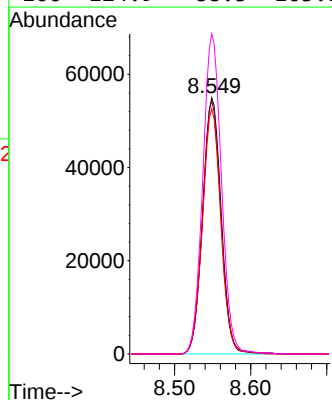
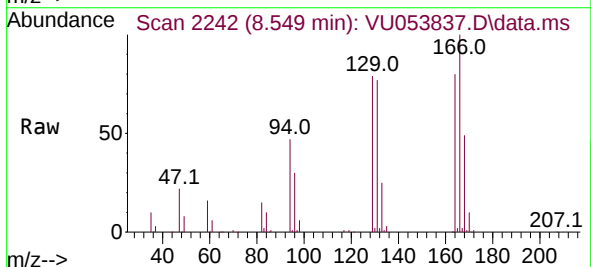
Instrument :
MSVOA_U
ClientSampleId :
VSTD010022

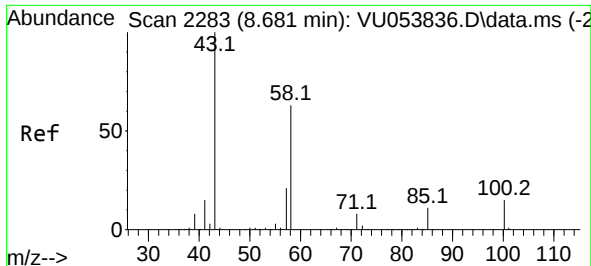
Tgt Ion:	97	Resp:	79188
Ion	Ratio	Lower	Upper
97	100		
99	67.0	44.7	83.1
83	90.6	59.8	111.1
85	61.0	39.5	73.3



#47
Tetrachloroethene
Concen: 12.383 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

Tgt Ion:	164	Resp:	93362
Ion	Ratio	Lower	Upper
164	100		
129	98.8	68.3	126.8
131	95.7	64.4	119.6
166	124.9	88.3	163.9



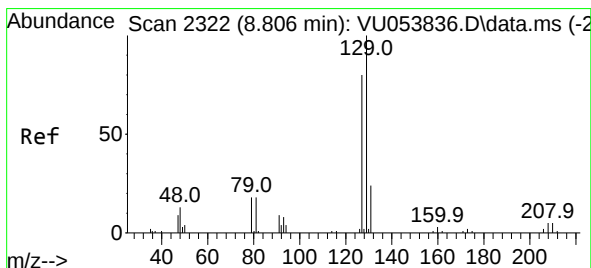
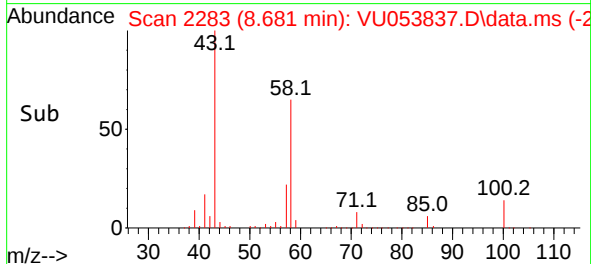
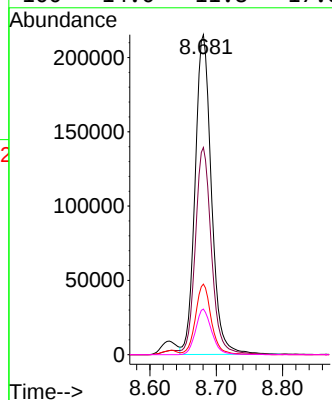
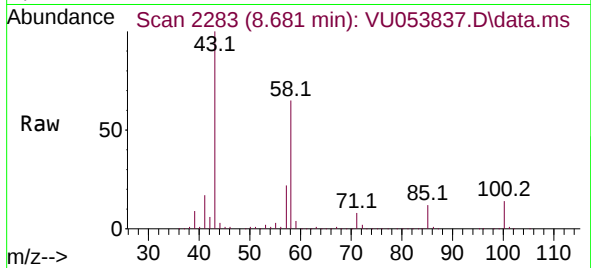


#48
2-Hexanone
Concen: 107.005 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD010022

Tgt Ion: 43 Resp: 367852

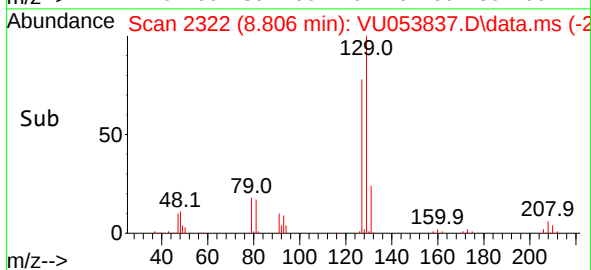
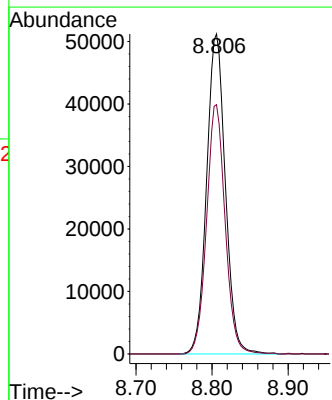
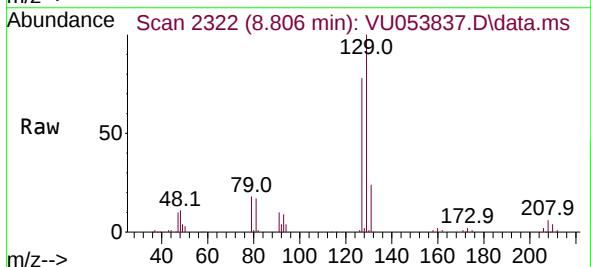
Ion	Ratio	Lower	Upper
43	100		
58	63.8	49.8	74.6
57	21.6	16.9	25.3
100	14.0	11.8	17.8

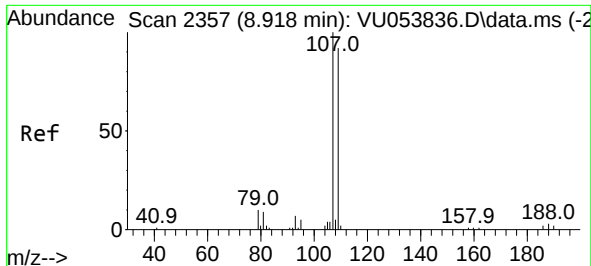


#49
Dibromochloromethane
Concen: 12.418 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

Tgt Ion: 129 Resp: 87465

Ion	Ratio	Lower	Upper
129	100		
127	77.9	55.7	103.5

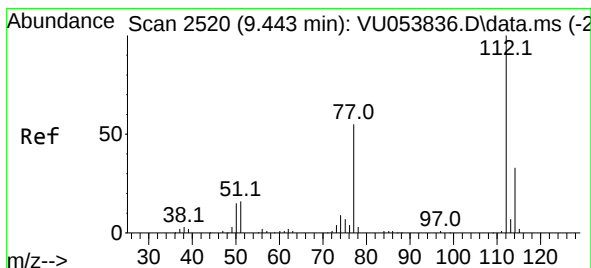
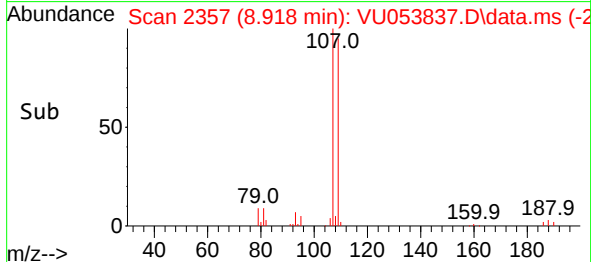
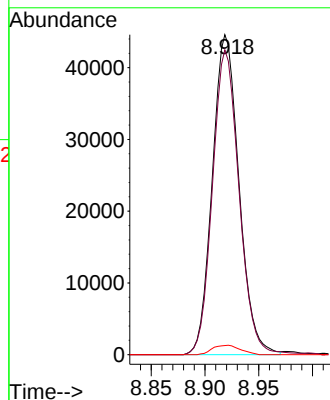
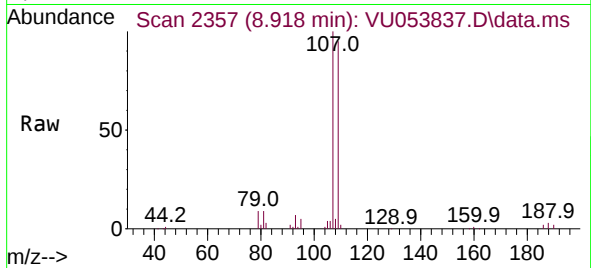




#50
1,2-Dibromoethane
Concen: 11.443 ug/L
RT: 8.918 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

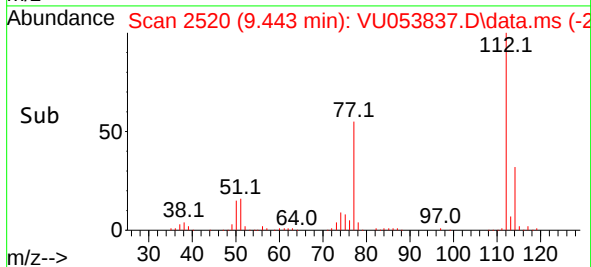
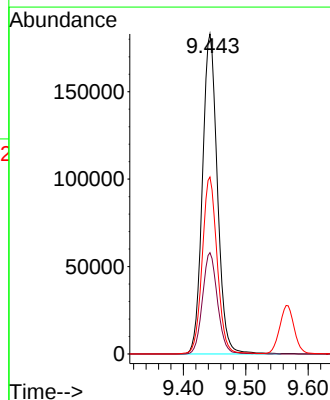
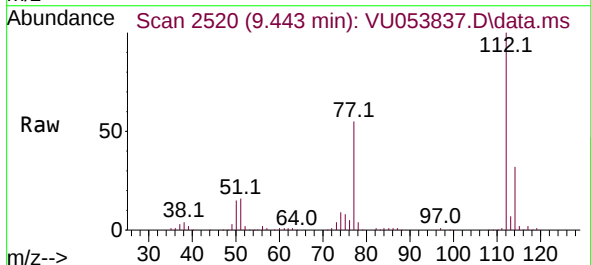
Instrument :
MSVOA_U
ClientSampleId :
VSTD010022

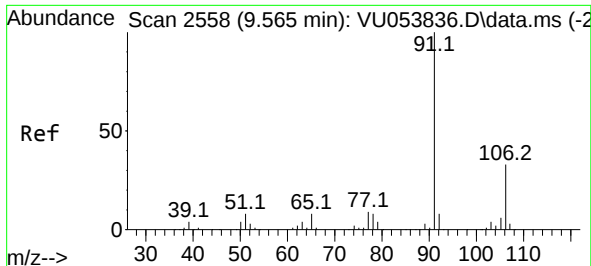
Tgt Ion:107 Resp: 76950
Ion Ratio Lower Upper
107 100
109 95.3 64.3 119.5
188 2.8 2.1 3.1



#51
Chlorobenzene
Concen: 11.783 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

Tgt Ion:112 Resp: 305183
Ion Ratio Lower Upper
112 100
114 31.7 23.0 42.6
77 55.3 44.4 66.6

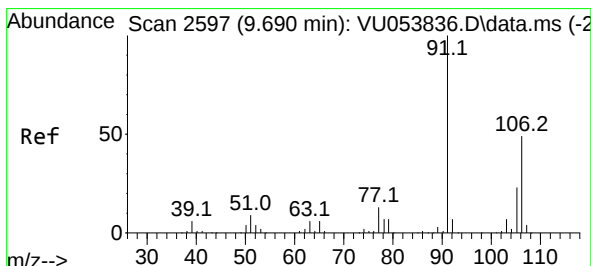
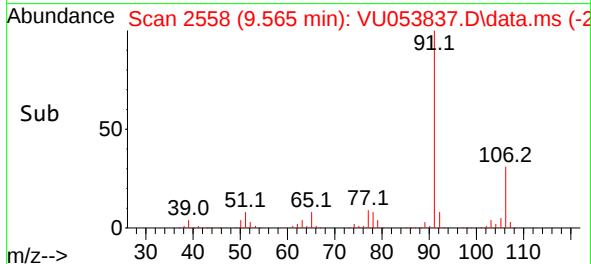
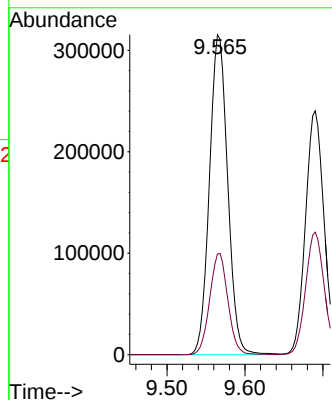
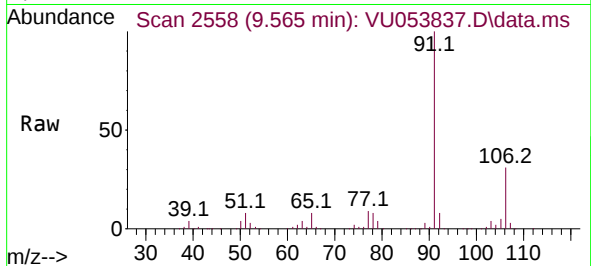




#52
Ethylbenzene
Concen: 11.543 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

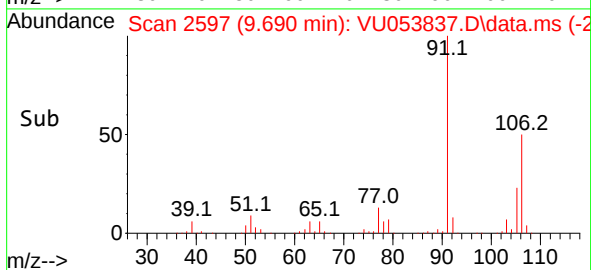
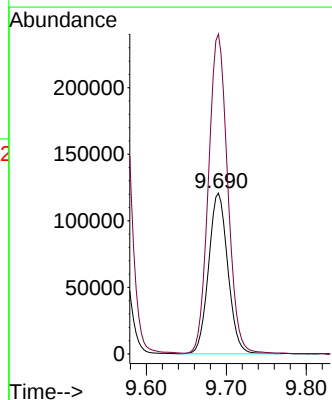
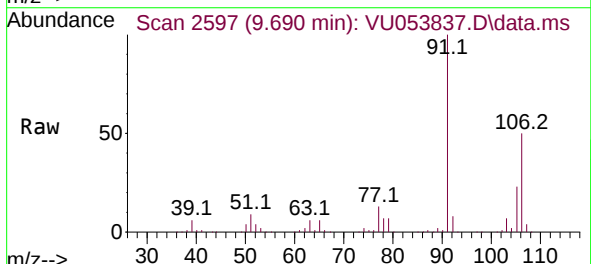
Instrument :
MSVOA_U
ClientSampleId :
VSTD010022

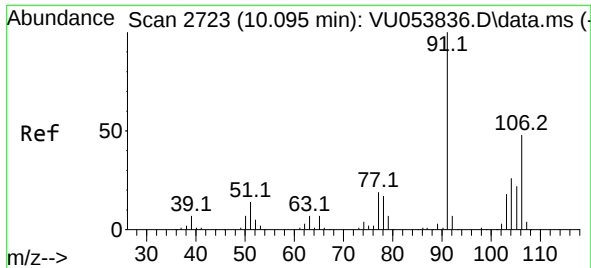
Tgt Ion: 91 Resp: 513141
Ion Ratio Lower Upper
91 100
106 31.5 22.8 42.4



#53
m,p-Xylene
Concen: 11.892 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

Tgt Ion: 106 Resp: 201737
Ion Ratio Lower Upper
106 100
91 198.9 142.2 264.0

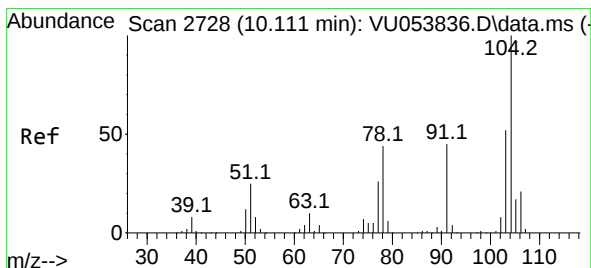
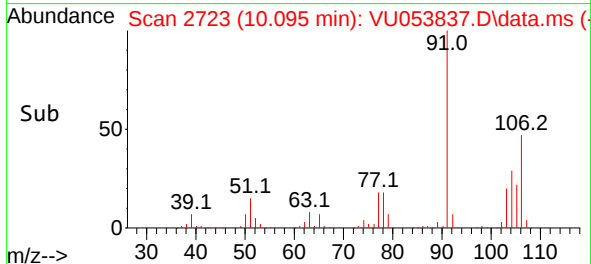
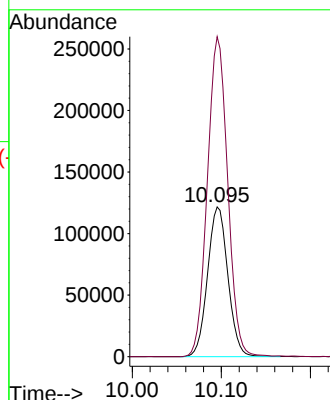
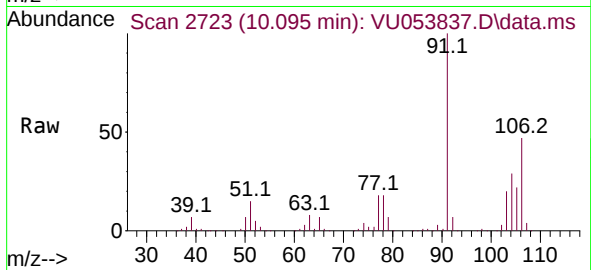




#54
o-Xylene
Concen: 11.961 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

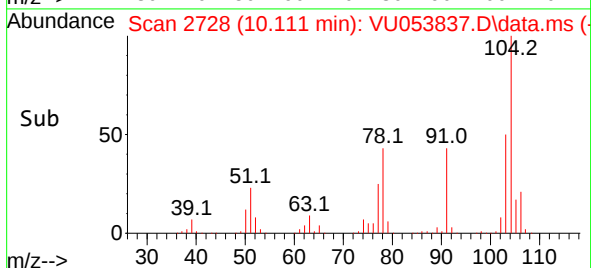
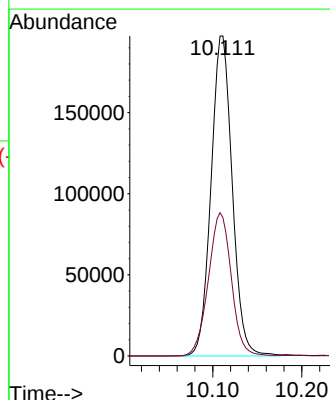
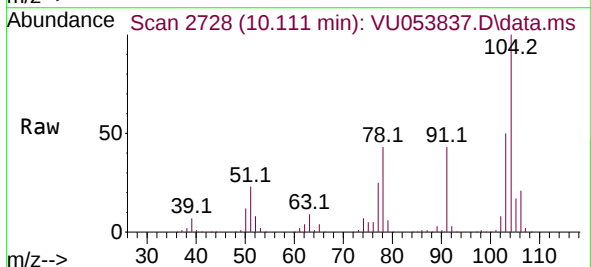
Instrument :
MSVOA_U
ClientSampleId :
VSTD010022

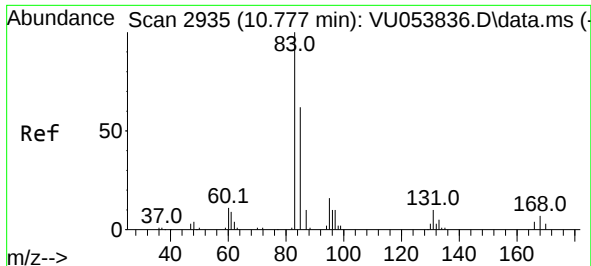
Tgt Ion:106 Resp: 192897
Ion Ratio Lower Upper
106 100
91 213.6 145.5 270.1



#55
Styrene
Concen: 12.259 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

Tgt Ion:104 Resp: 325625
Ion Ratio Lower Upper
104 100
78 43.3 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 11.075 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU053837.D

Acq: 24 Apr 2023 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD010022

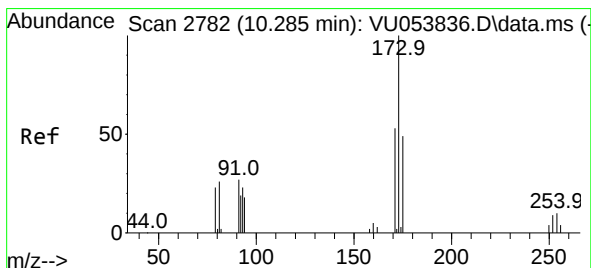
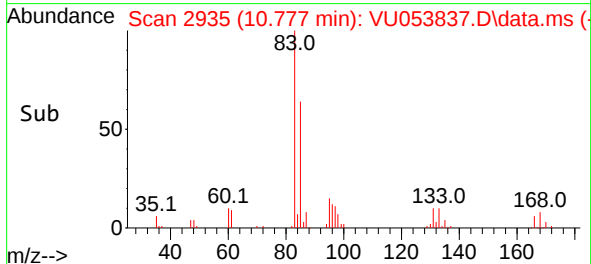
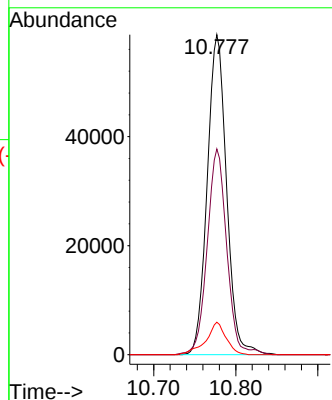
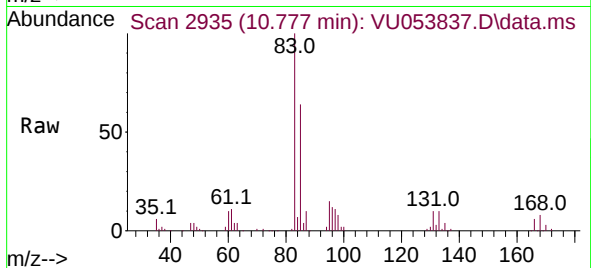
Tgt Ion: 83 Resp: 96068

Ion Ratio Lower Upper

83 100

85 64.3 43.5 80.9

131 10.2 7.8 11.6



#59

Bromoform

Concen: 11.916 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. 0.000 min

Lab File: VU053837.D

Acq: 24 Apr 2023 12:15

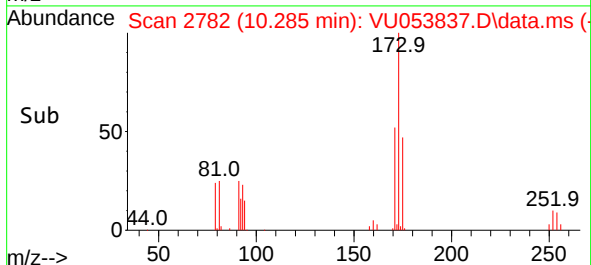
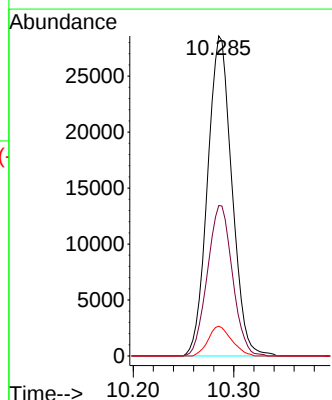
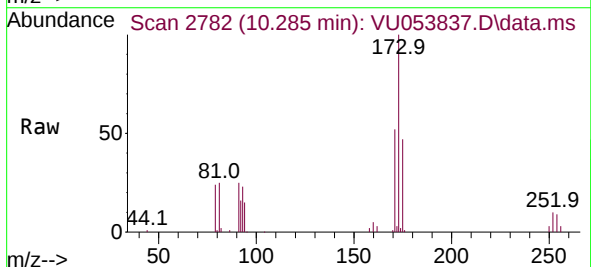
Tgt Ion: 173 Resp: 48054

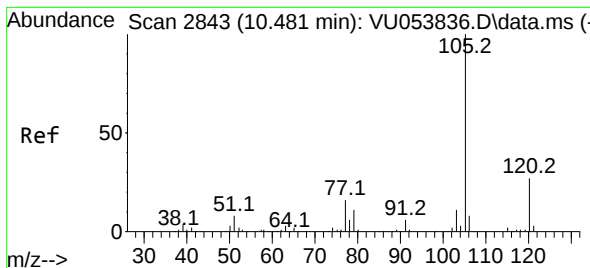
Ion Ratio Lower Upper

173 100

175 48.2 37.4 56.2

254 8.9 7.1 10.7





#60

Isopropylbenzene

Concen: 11.279 ug/L

RT: 10.478 min Scan# 2843

Delta R.T. -0.003 min

Lab File: VU053837.D

Acq: 24 Apr 2023 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD010022

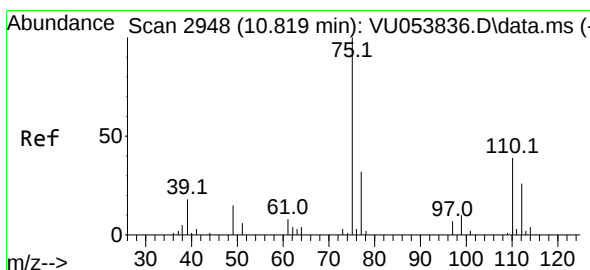
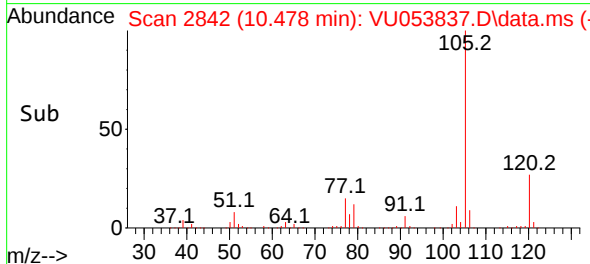
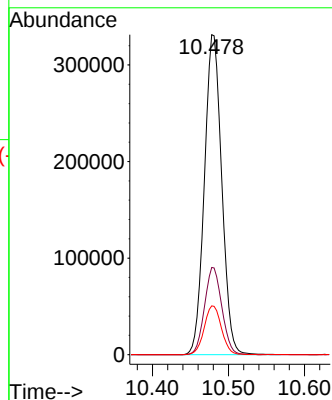
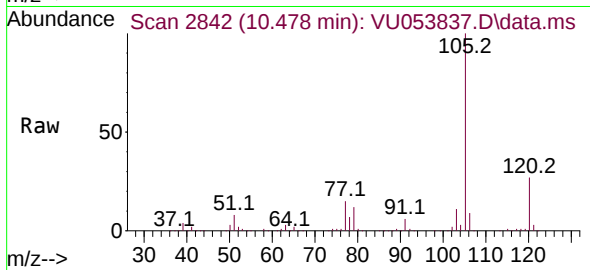
Tgt Ion:105 Resp: 523903

Ion Ratio Lower Upper

105 100

120 27.3 21.4 32.0

77 15.2 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 10.144 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. -0.000 min

Lab File: VU053837.D

Acq: 24 Apr 2023 12:15

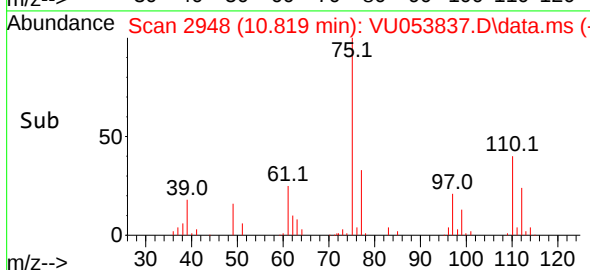
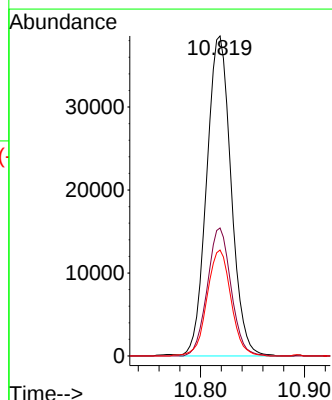
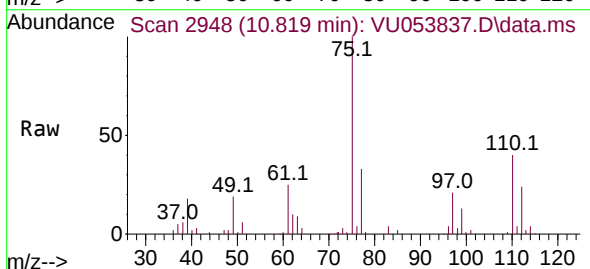
Tgt Ion: 75 Resp: 62934

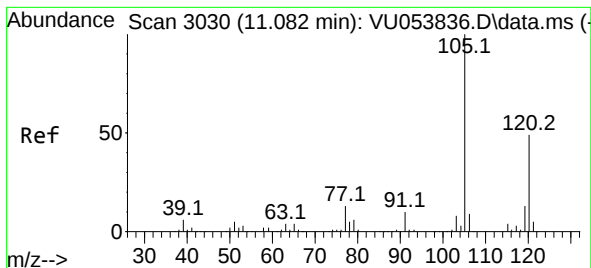
Ion Ratio Lower Upper

75 100

110 38.9 30.7 46.1

77 32.5 26.2 39.4





#62

1,3,5-Trimethylbenzene

Concen: 11.540 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU053837.D

Acq: 24 Apr 2023 12:15

Instrument :

MSVOA_U

ClientSampleId :

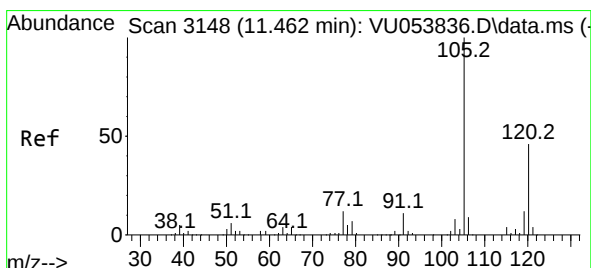
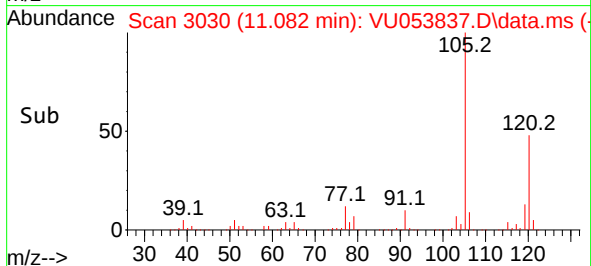
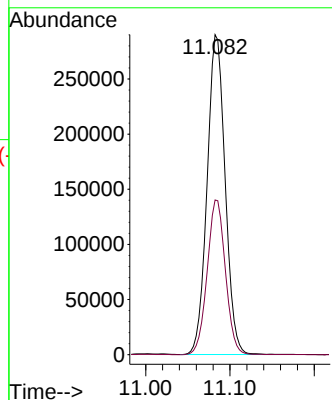
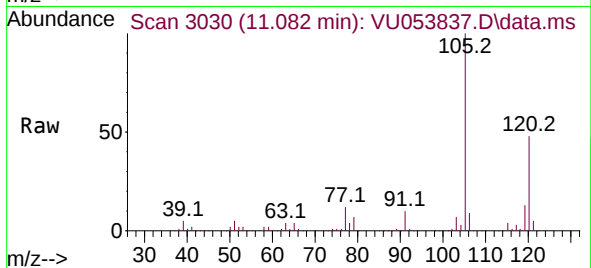
VSTD010022

Tgt Ion:105 Resp: 432452

Ion Ratio Lower Upper

105 100

120 48.9 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 11.520 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053837.D

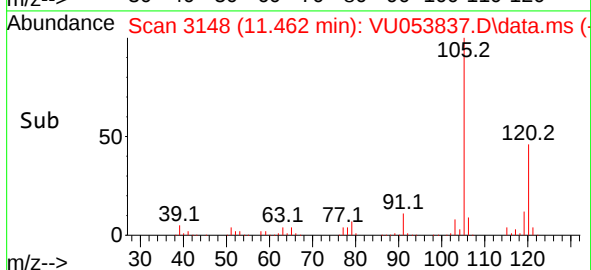
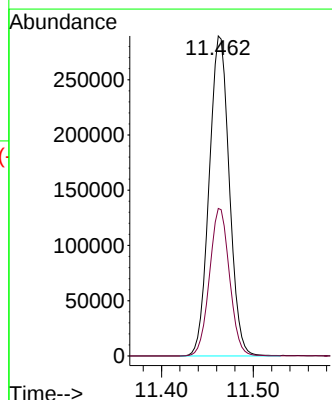
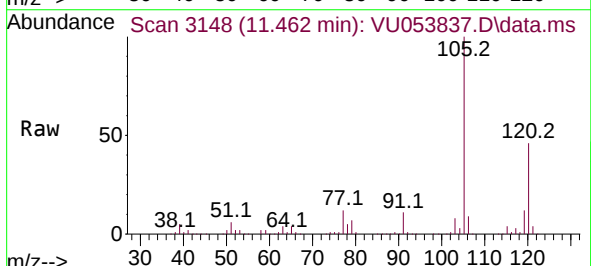
Acq: 24 Apr 2023 12:15

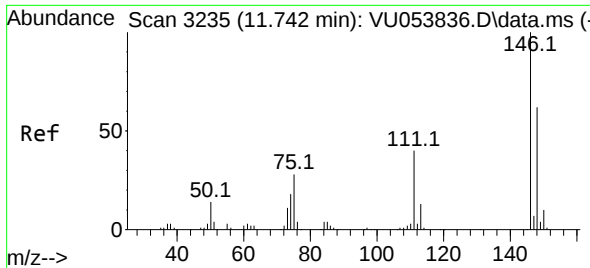
Tgt Ion:105 Resp: 441375

Ion Ratio Lower Upper

105 100

120 45.8 37.1 55.7

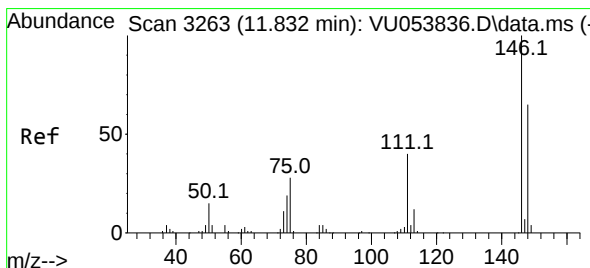
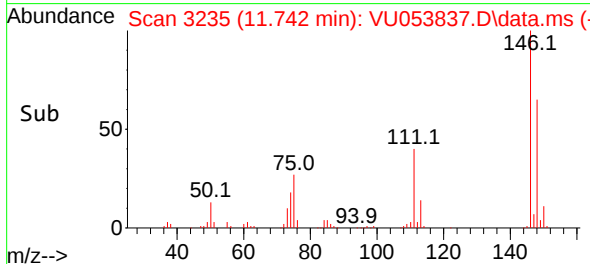
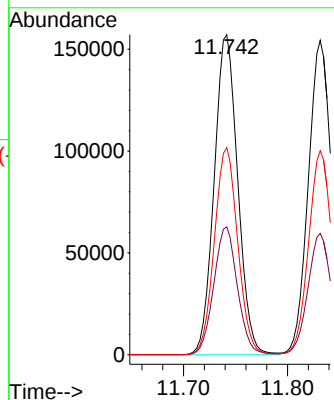
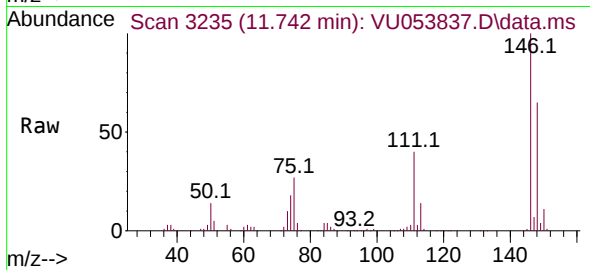




#64
1,3-Dichlorobenzene
Concen: 11.870 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

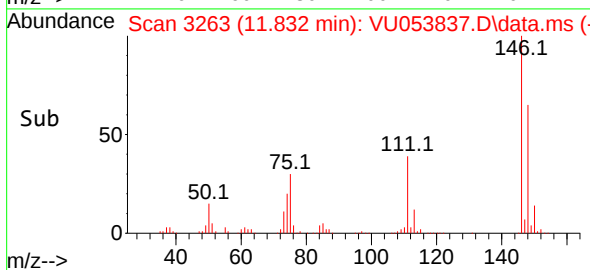
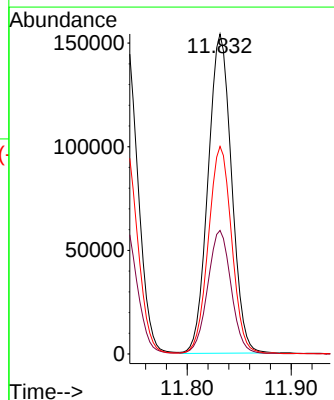
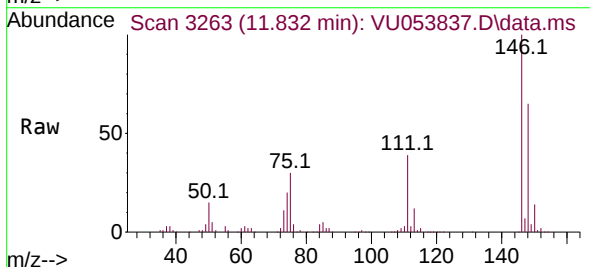
Instrument :
MSVOA_U
ClientSampleId :
VSTD010022

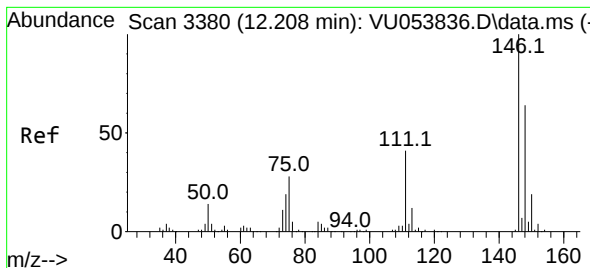
Tgt Ion:146 Resp: 247594
Ion Ratio Lower Upper
146 100
111 39.9 27.9 51.9
148 64.7 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 11.578 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

Tgt Ion:146 Resp: 241870
Ion Ratio Lower Upper
146 100
111 38.6 28.3 52.7
148 64.9 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 11.454 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. -0.000 min

Lab File: VU053837.D

Acq: 24 Apr 2023 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD010022

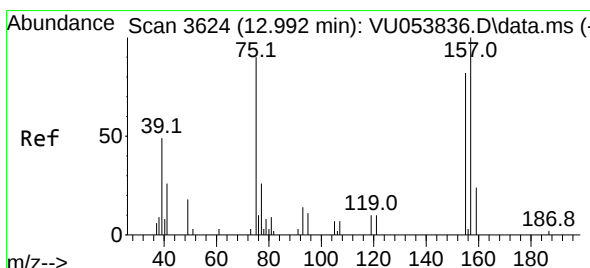
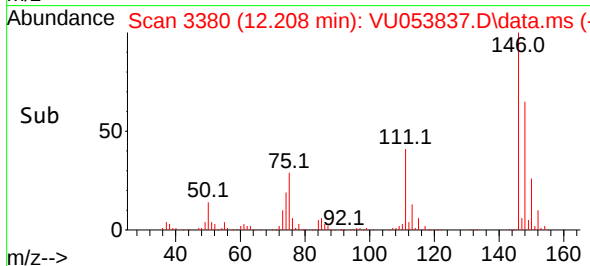
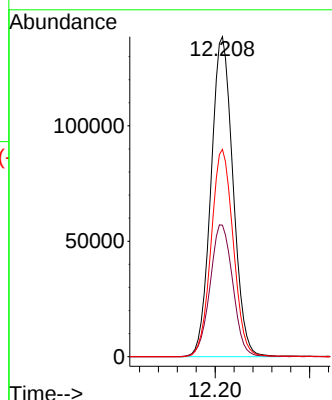
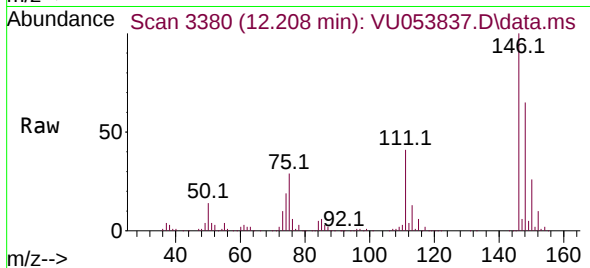
Tgt Ion:146 Resp: 224129

Ion Ratio Lower Upper

146 100

111 41.1 32.6 49.0

148 64.8 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 11.040 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU053837.D

Acq: 24 Apr 2023 12:15

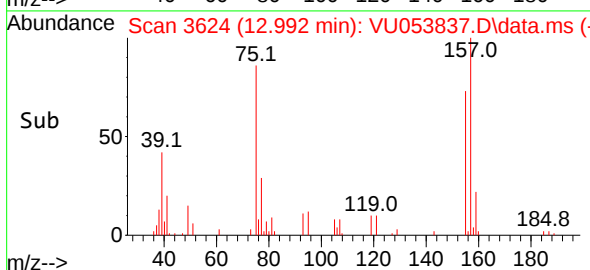
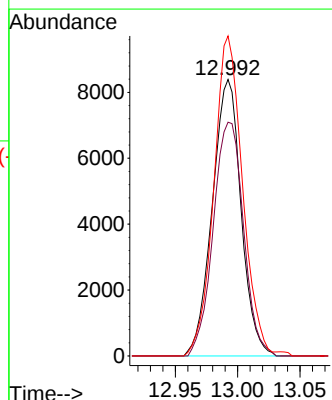
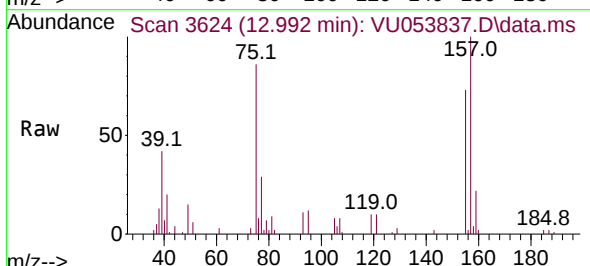
Tgt Ion: 75 Resp: 13477

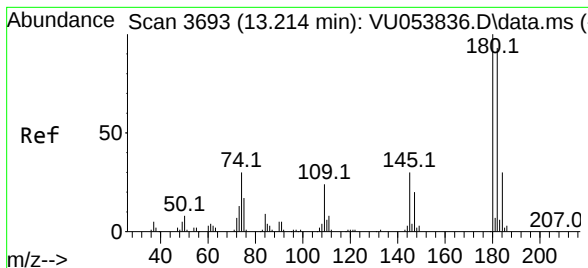
Ion Ratio Lower Upper

75 100

155 84.5 72.8 109.2

157 115.7 89.1 133.7





#69

1,3,5-Trichlorobenzene

Concen: 12.141 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.000 min

Lab File: VU053837.D

Acq: 24 Apr 2023 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD010022

Tgt Ion:180 Resp: 177488

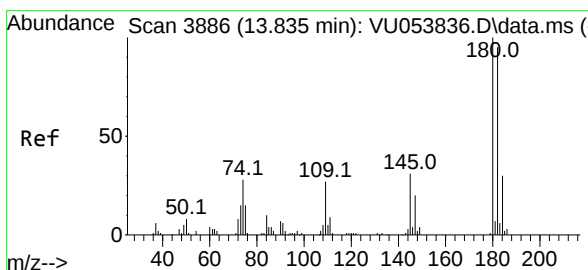
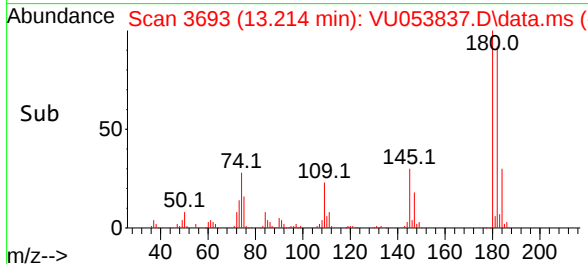
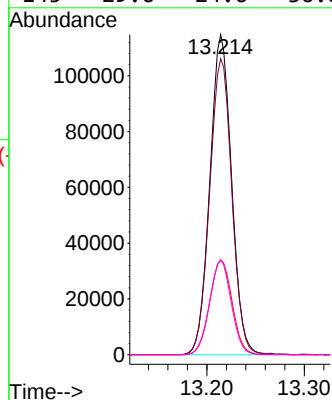
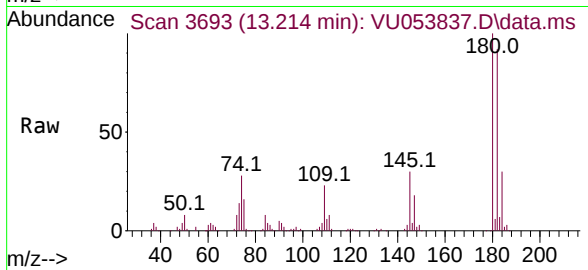
Ion Ratio Lower Upper

180 100

182 94.4 75.1 112.7

184 30.5 24.2 36.2

145 29.6 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 13.109 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU053837.D

Acq: 24 Apr 2023 12:15

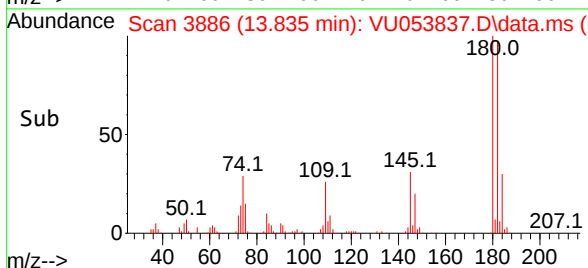
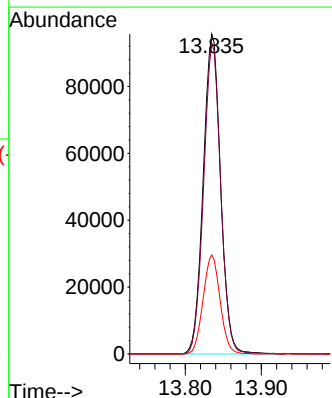
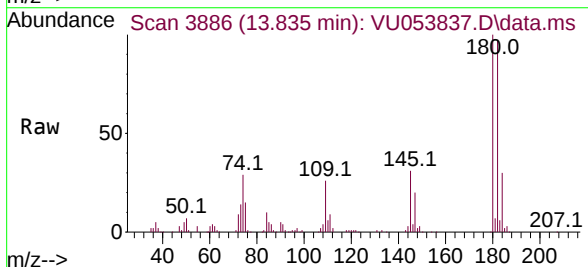
Tgt Ion:180 Resp: 151920

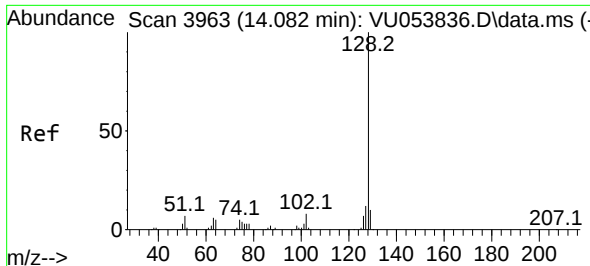
Ion Ratio Lower Upper

180 100

182 95.4 75.5 113.3

145 30.2 25.8 38.6

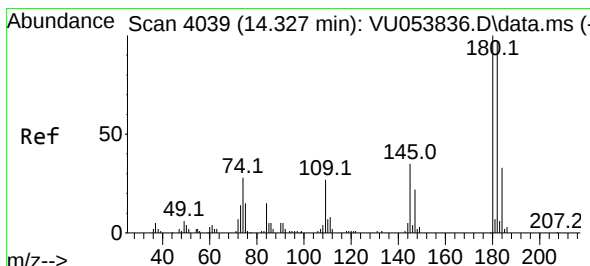
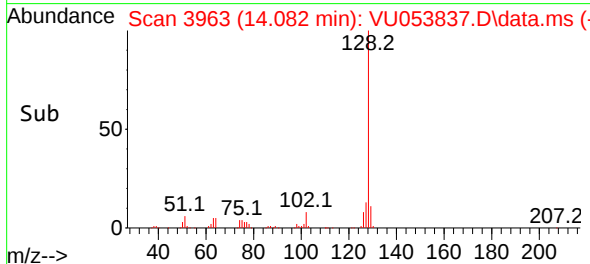
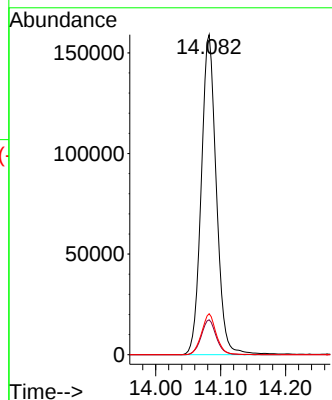
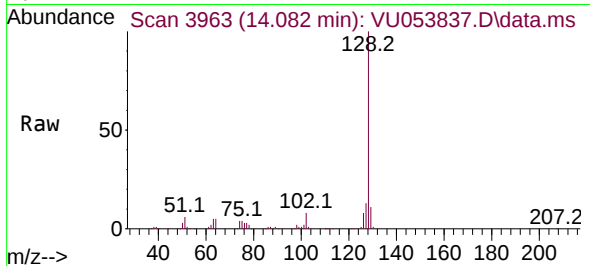




#71
Naphthalene
Concen: 12.067 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD010022

Tgt Ion:128 Resp: 257542
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 12.4 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 13.435 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU053837.D
Acq: 24 Apr 2023 12:15

Tgt Ion:180 Resp: 135959
Ion Ratio Lower Upper
180 100
182 94.7 77.4 116.2
145 31.8 26.8 40.2

