

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061422\
 Data File : VU049104.D
 Acq On : 14 Jun 2022 10:15
 Operator : SY/MD
 Sample : VSTD0.532
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5032

Quant Time: Jun 15 02:48:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 15 02:48:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	142731	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	130180	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	61079	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	5892	0.787	ug/L	0.00
7) Chloroethane-d5	1.916	69	3902	0.541	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	65	2538	0.709	ug/L	0.00
20) 2-Butanone-d5	4.649	46	13029	4.152	ug/L	0.01
24) Chloroform-d	5.067	84	8551	0.422	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.710	65	4764	0.428	ug/L	0.00
32) Benzene-d6	5.729	84	17917	0.502	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.694	67	5963	0.487	ug/L	0.00
41) Toluene-d8	7.899	98	15674	0.515	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.186	79	2668	0.606	ug/L	0.00
46) 2-Hexanone-d5	8.642	63	9080	4.107	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.761	84	4670	0.446	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	5305	0.464	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	5837	0.388	ug/L	96
3) Chloromethane	1.523	50	6093	0.441	ug/L	91
5) Vinyl chloride	1.604	62	5156	0.407	ug/L	86
6) Bromomethane	1.858	94	3112	0.430	ug/L	93
8) Chloroethane	1.935	64	3774	0.549	ug/L	89
9) Trichlorofluoromethane	2.141	101	6250	0.383	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	3778	0.430	ug/L	97
12) 1,1-Dichloroethene	2.578	96	3837	0.442	ug/L	80
13) Acetone	2.649	43	7518	4.705	ug/L	79
14) Carbon disulfide	2.794	76	12078	0.407	ug/L	99
15) Methyl Acetate	2.964	43	1825	0.425	ug/L #	72
16) Methylene chloride	3.048	84	6031	0.560	ug/L	95
17) Methyl tert-butyl Ether	3.366	73	10157	0.421	ug/L #	94
18) trans-1,2-Dichloroethene	3.359	96	4456	0.470	ug/L	75
19) 1,1-Dichloroethane	3.871	63	7679	0.417	ug/L	92
21) 2-Butanone	4.732	43	9694	3.345	ug/L	92
22) cis-1,2-Dichloroethene	4.668	96	4378	0.388	ug/L	82
23) Bromochloromethane	4.973	128	1719	0.355	ug/L	93
25) Chloroform	5.092	83	8040	0.416	ug/L	98
27) 1,2-Dichloroethane	5.800	62	5166	0.402	ug/L #	92
29) 1,1,1-Trichloroethane	5.321	97	7165	0.434	ug/L	99
30) Cyclohexane	5.391	56	8737	0.581	ug/L	94
31) Carbon tetrachloride	5.527	117	5802	0.400	ug/L	97
33) Benzene	5.777	78	17573	0.445	ug/L	100
34) Trichloroethene	6.546	95	4249	0.418	ug/L	94
35) Methylcyclohexane	6.768	83	7332	0.476	ug/L	93
37) 1,2-Dichloropropane	6.793	63	4775	0.459	ug/L #	89
38) Bromodichloromethane	7.108	83	5617	0.409	ug/L	96
39) cis-1,3-Dichloropropene	7.610	75	6745	0.463	ug/L	90
40) 4-Methyl-2-pentanone	7.797	43	32742	4.793	ug/L	97
42) Toluene	7.973	91	18027	0.451	ug/L	94
44) trans-1,3-Dichloropropene	8.215	75	6184	0.478	ug/L #	79

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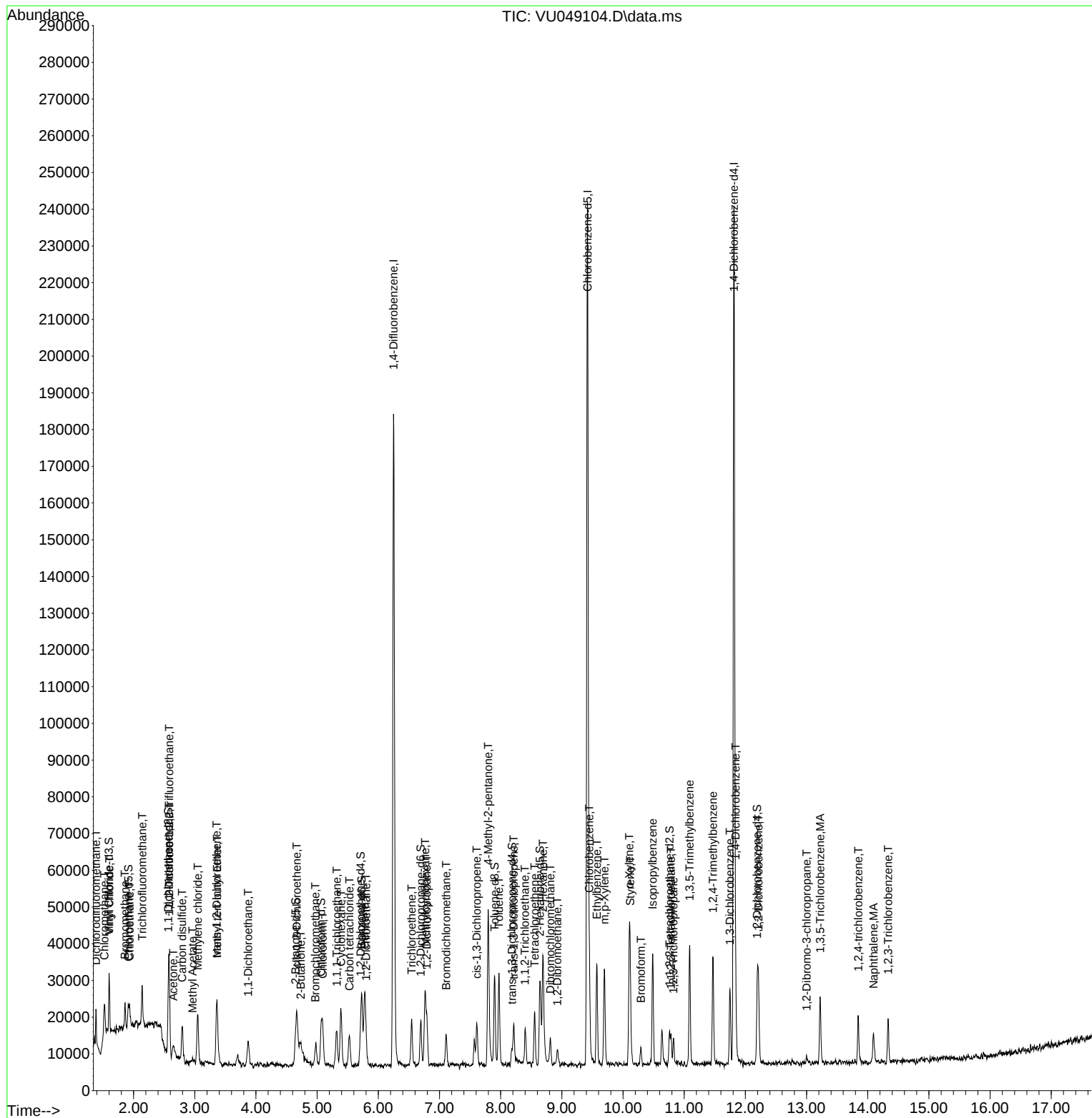
Quant Time: Jun 15 02:48:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 15 02:48:05 2022
 Response via : Initial Calibration

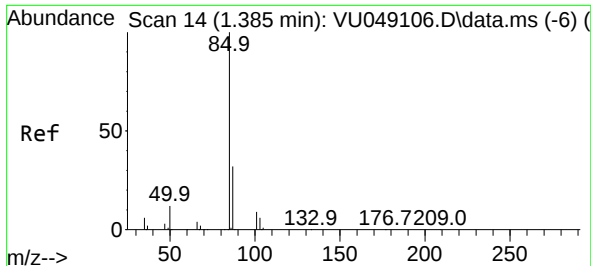
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.398	97	3509	0.478	ug/L	89
47) Tetrachloroethene	8.555	164	2918	0.371	ug/L	92
48) 2-Hexanone	8.694	43	22933	4.567	ug/L	97
49) Dibromochloromethane	8.813	129	3565	0.388	ug/L	100
50) 1,2-Dibromoethane	8.925	107	2790	0.387	ug/L #	99
51) Chlorobenzene	9.449	112	11093	0.427	ug/L	94
52) Ethylbenzene	9.571	91	20118	0.483	ug/L	99
53) m,p-Xylene	9.697	106	7296	0.439	ug/L	99
54) o-Xylene	10.102	106	7356	0.456	ug/L	96
55) Styrene	10.118	104	12171	0.453	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.784	83	4225	0.442	ug/L	97
59) Bromoform	10.292	173	1912	0.382	ug/L #	94
60) Isopropylbenzene	10.485	105	19307	0.503	ug/L	97
61) 1,2,3-Trichloropropane	10.825	75	3322	0.499	ug/L	95
62) 1,3,5-Trimethylbenzene	11.089	105	17300	0.532	ug/L	100
63) 1,2,4-Trimethylbenzene	11.472	105	16442	0.507	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	8401	0.453	ug/L	96
65) 1,4-Dichlorobenzene	11.838	146	8066	0.444	ug/L	95
67) 1,2-Dichlorobenzene	12.214	146	7710	0.431	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	945	0.576	ug/L #	89
69) 1,3,5-Trichlorobenzene	13.224	180	5775	0.414	ug/L	98
70) 1,2,4-trichlorobenzene	13.845	180	3908	0.353	ug/L	96
71) Naphthalene	14.095	128	7537	0.338	ug/L	96
72) 1,2,3-Trichlorobenzene	14.333	180	3673	0.350	ug/L	96

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

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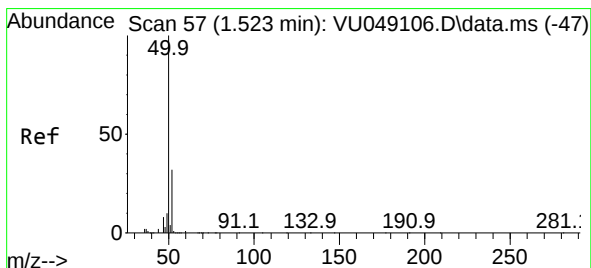
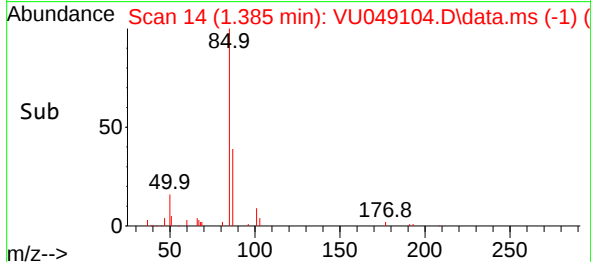
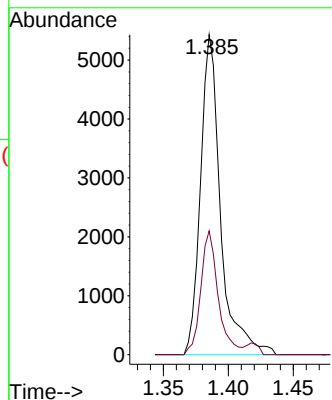
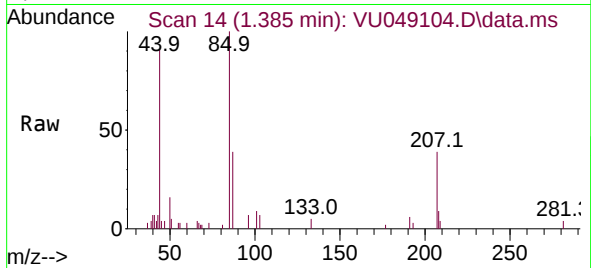




#2
Dichlorodifluoromethane
Concen: 0.388 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

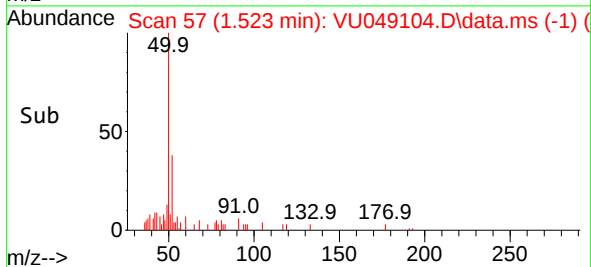
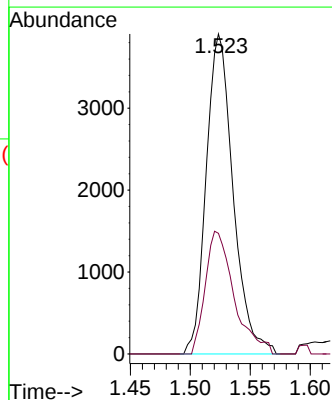
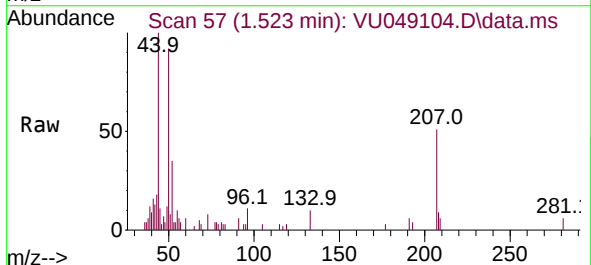
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5032

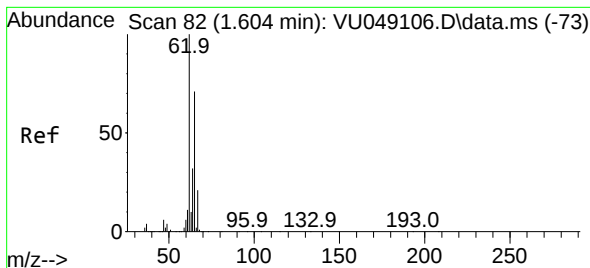
Tgt Ion: 85 Resp: 5837
Ion Ratio Lower Upper
85 100
87 33.9 25.5 38.3



#3
Chloromethane
Concen: 0.441 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

Tgt Ion: 50 Resp: 6093
Ion Ratio Lower Upper
50 100
52 37.7 22.7 42.1





#5

Vinyl chloride

Concen: 0.407 ug/L

RT: 1.604 min Scan# 82

Delta R.T. 0.000 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

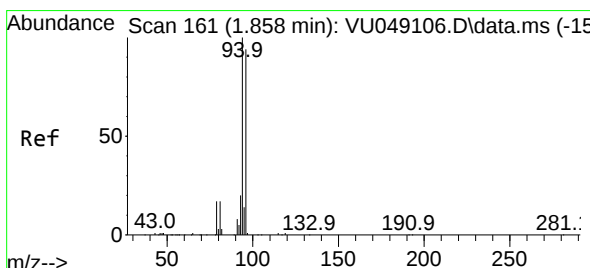
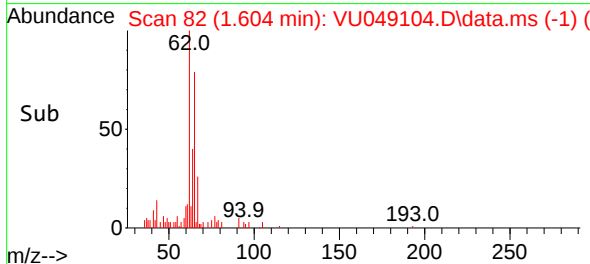
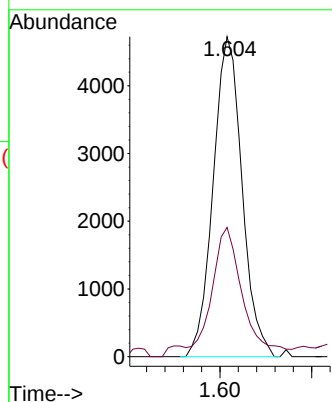
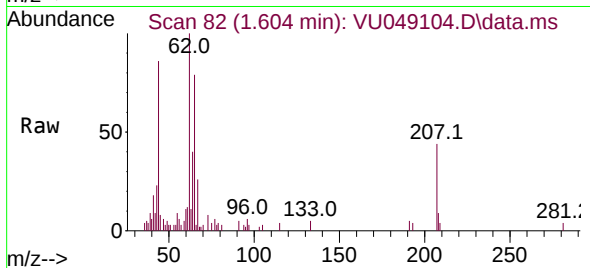
VSTD0.5032

Tgt Ion: 62 Resp: 5156

Ion Ratio Lower Upper

62 100

64 40.4 22.8 42.4



#6

Bromomethane

Concen: 0.430 ug/L

RT: 1.858 min Scan# 161

Delta R.T. 0.000 min

Lab File: VU049104.D

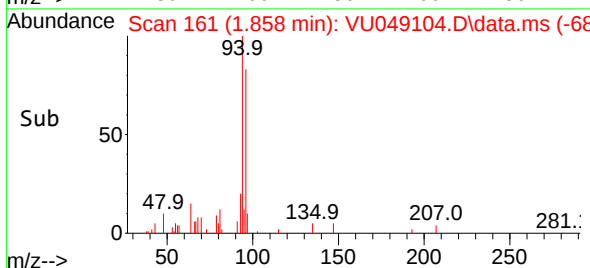
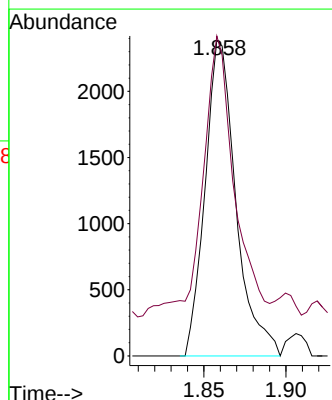
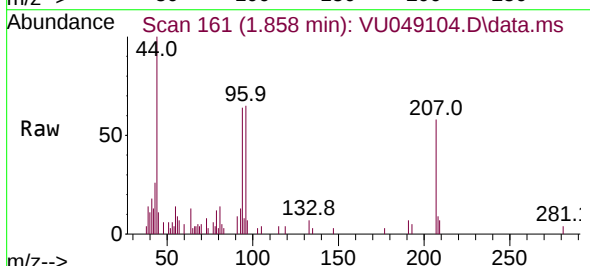
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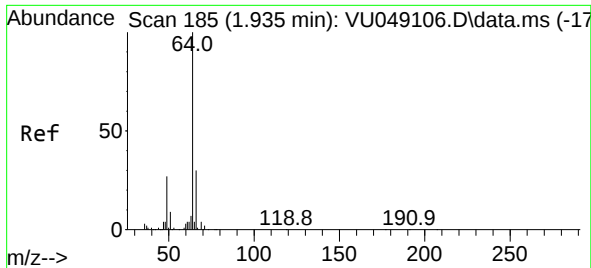
Tgt Ion: 94 Resp: 3112

Ion Ratio Lower Upper

94 100

96 101.3 66.4 123.4

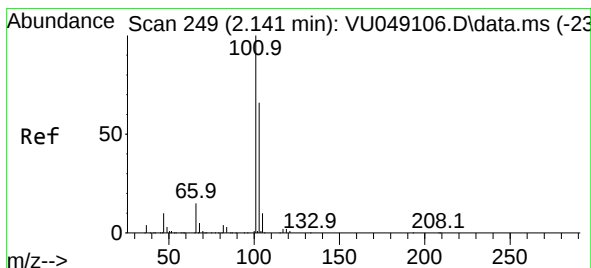
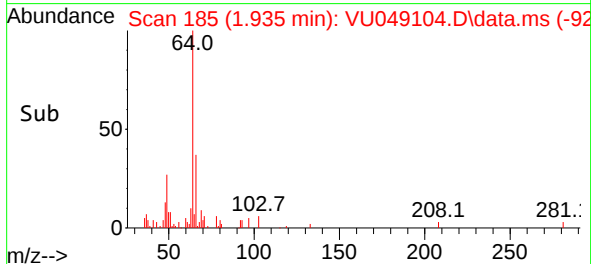
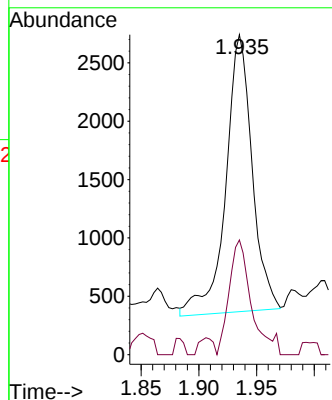
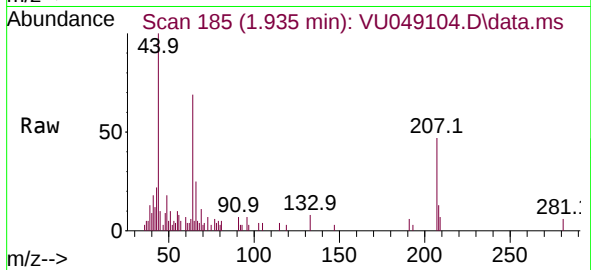




#8
Chloroethane
Concen: 0.549 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

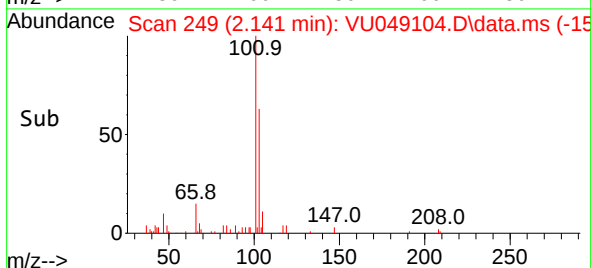
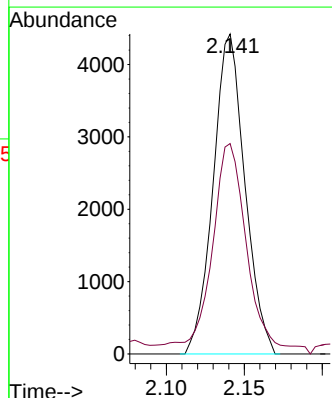
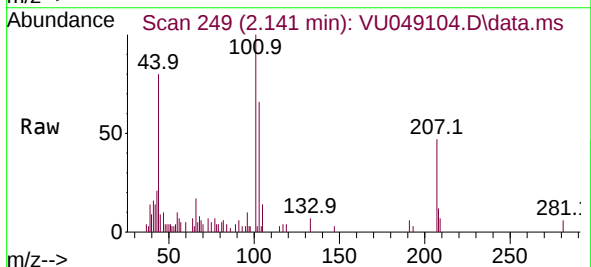
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5032

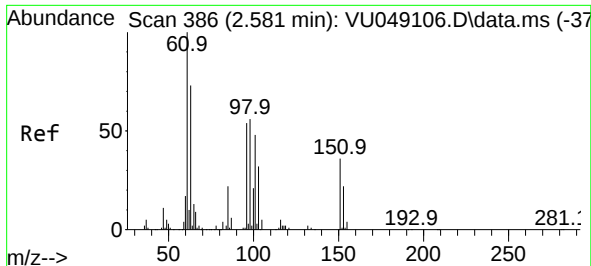
Tgt Ion: 64 Resp: 3774
Ion Ratio Lower Upper
64 100
66 35.9 20.9 38.9



#9
Trichlorofluoromethane
Concen: 0.383 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

Tgt Ion: 101 Resp: 6250
Ion Ratio Lower Upper
101 100
103 74.5 53.5 80.3

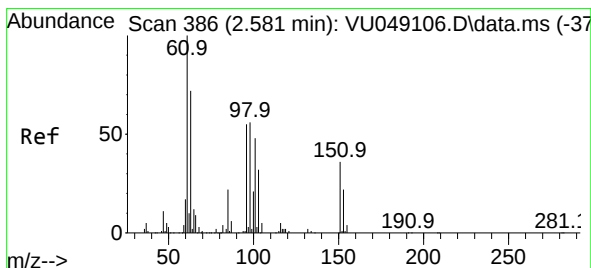
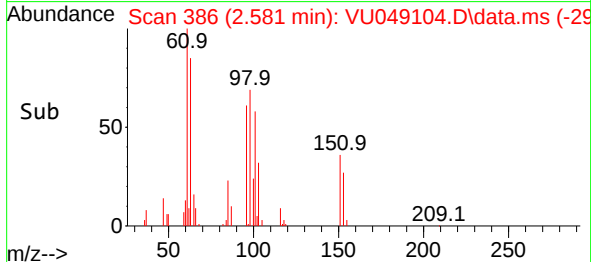
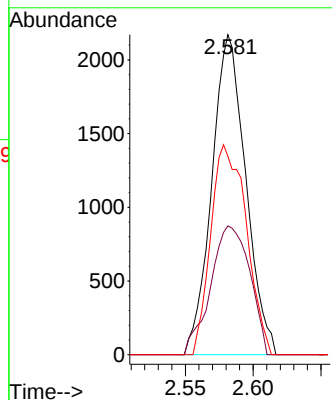
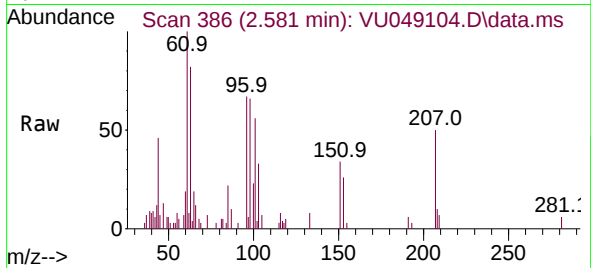




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.430 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU049104.D
 Acq: 14 Jun 2022 10:15

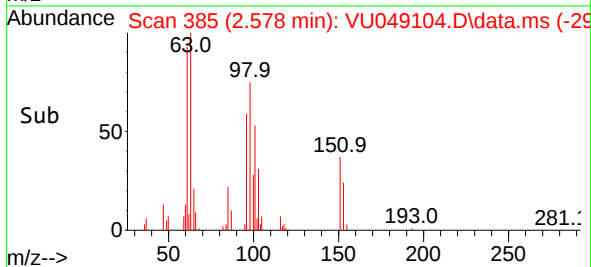
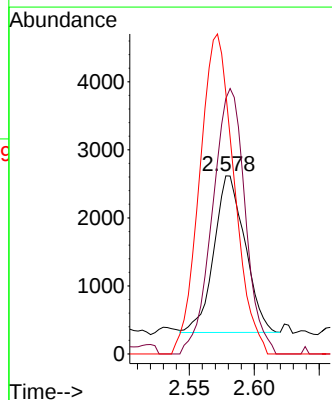
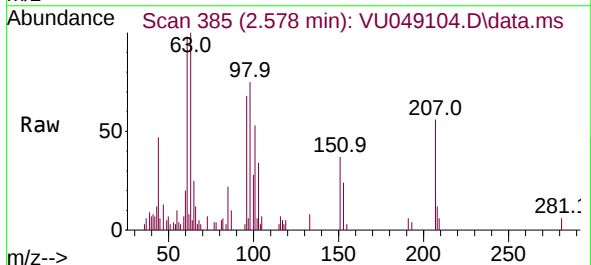
Instrument :
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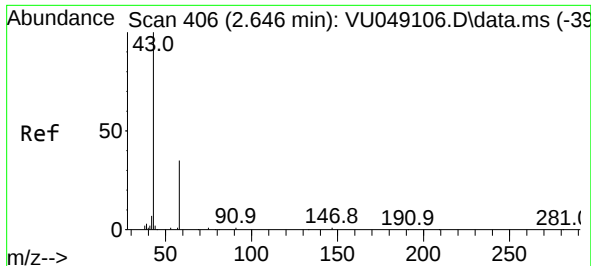
Tgt Ion:101 Resp: 3778
 Ion Ratio Lower Upper
 101 100
 85 46.5 36.1 54.1
 151 68.7 56.8 85.2



#12
 1,1-Dichloroethene
 Concen: 0.442 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU049104.D
 Acq: 14 Jun 2022 10:15

Tgt Ion: 96 Resp: 3837
 Ion Ratio Lower Upper
 96 100
 61 143.3 127.2 236.2
 63 146.7 94.7 175.9





#13

Acetone

Concen: 4.705 ug/L

RT: 2.649 min Scan# 406

Delta R.T. 0.003 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

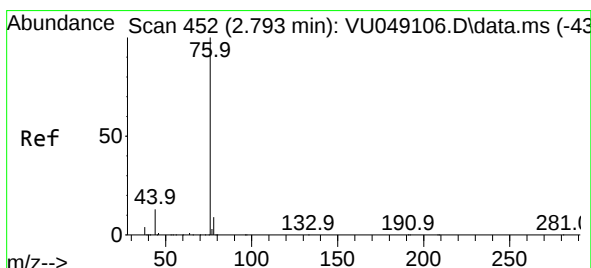
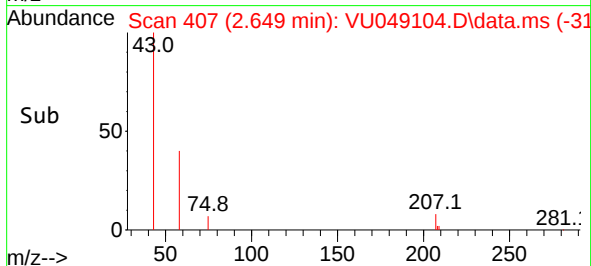
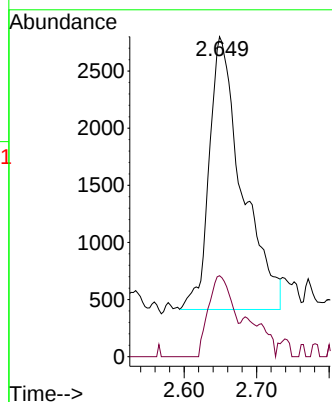
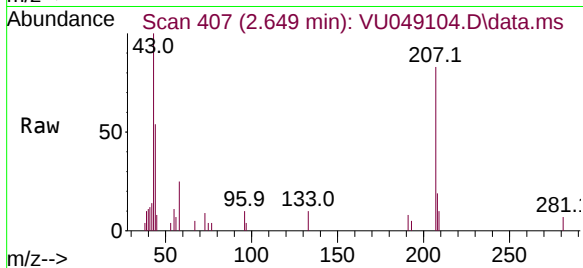
VSTD0.5032

Tgt Ion: 43 Resp: 7518

Ion Ratio Lower Upper

43 100

58 21.3 0.0 65.8



#14

Carbon disulfide

Concen: 0.407 ug/L

RT: 2.794 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU049104.D

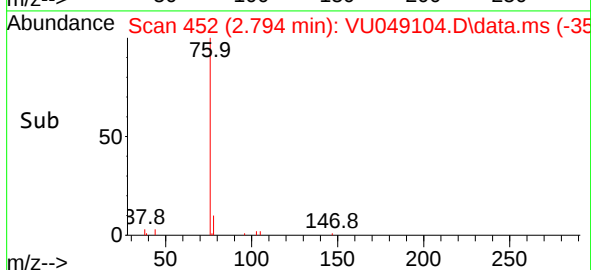
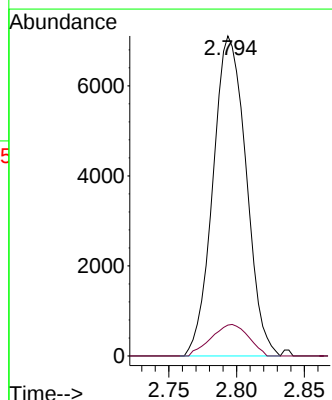
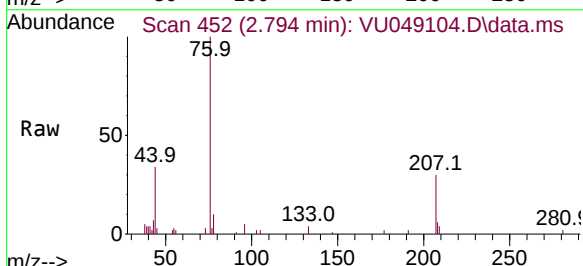
Acq: 14 Jun 2022 10:15

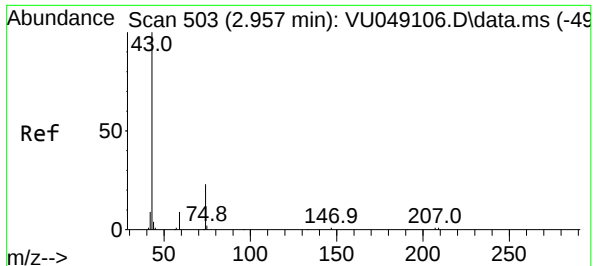
Tgt Ion: 76 Resp: 12078

Ion Ratio Lower Upper

76 100

78 9.7 7.5 11.3

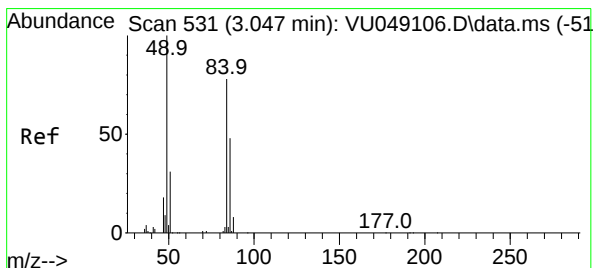
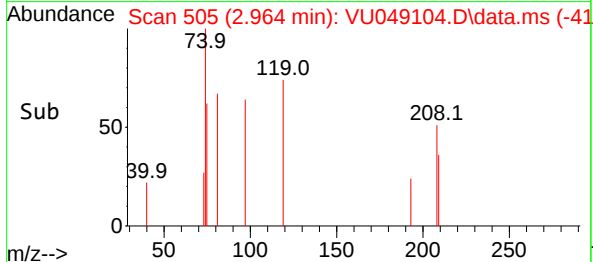
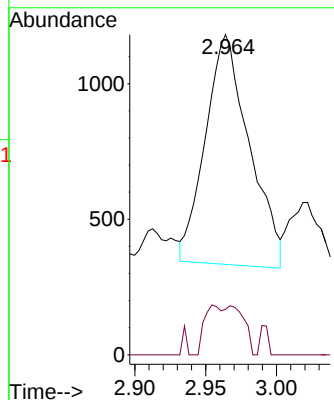
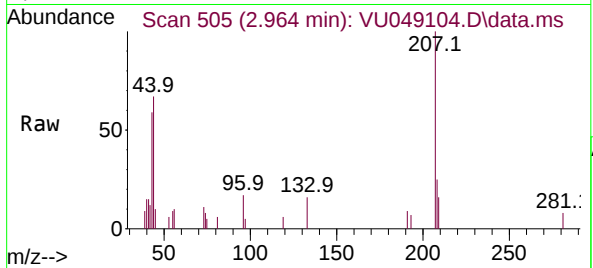




#15
Methyl Acetate
Concen: 0.425 ug/L
RT: 2.964 min Scan# 503
Delta R.T. 0.006 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

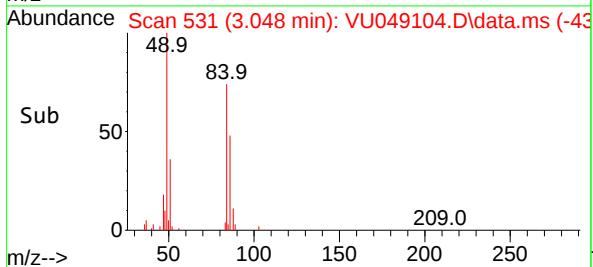
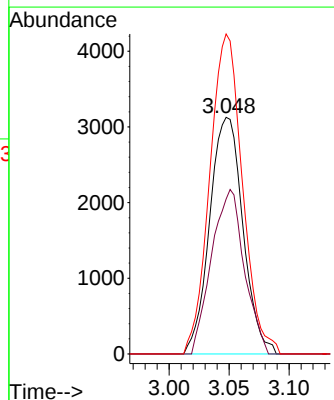
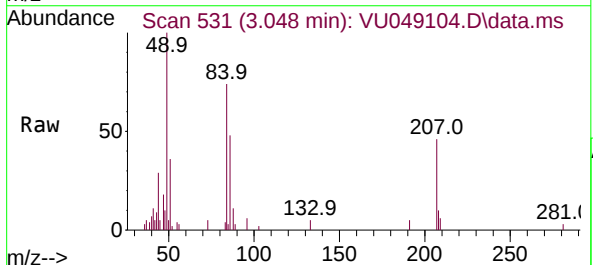
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5032

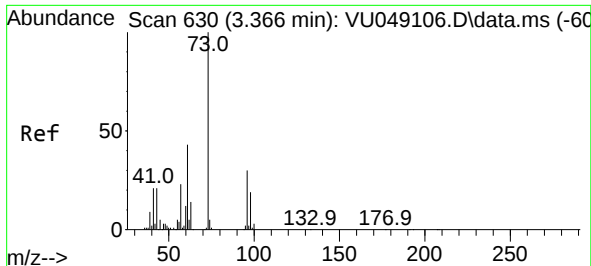
Tgt Ion: 43 Resp: 1825
Ion Ratio Lower Upper
43 100
74 8.4 17.6 26.4#



#16
Methylene chloride
Concen: 0.560 ug/L
RT: 3.048 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

Tgt Ion: 84 Resp: 6031
Ion Ratio Lower Upper
84 100
86 65.4 43.6 81.0
49 135.2 90.2 167.6





#17

Methyl tert-butyl Ether

Concen: 0.421 ug/L

RT: 3.366 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5032

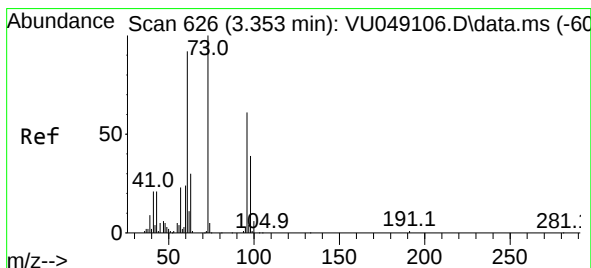
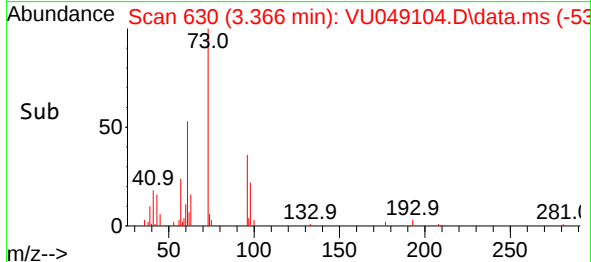
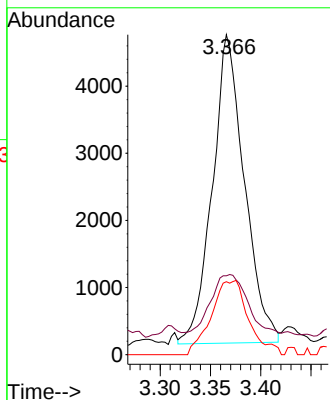
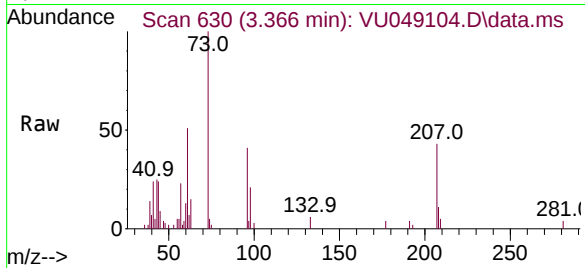
Tgt Ion: 73 Resp: 10157

Ion Ratio Lower Upper

73 100

43 21.2 16.5 24.7

57 28.0 18.6 27.8#



#18

trans-1,2-Dichloroethene

Concen: 0.470 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.006 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

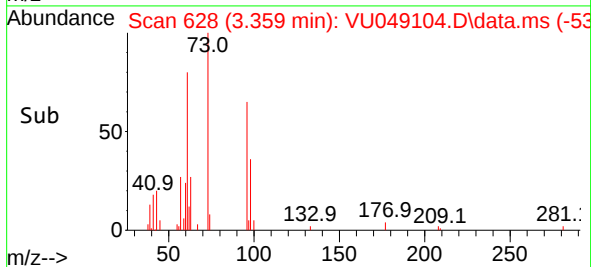
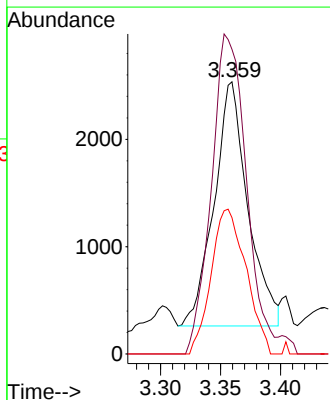
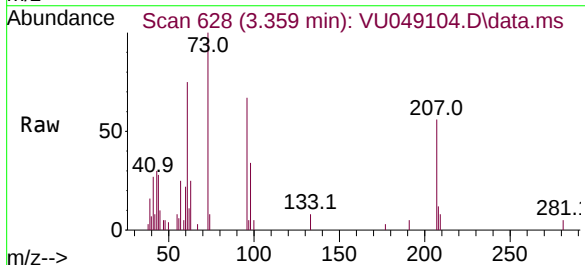
Tgt Ion: 96 Resp: 4456

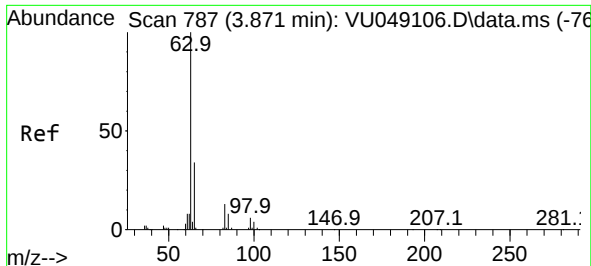
Ion Ratio Lower Upper

96 100

61 111.9 103.3 191.9

98 50.1 44.0 81.8

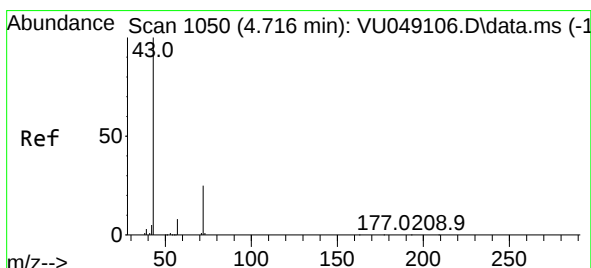
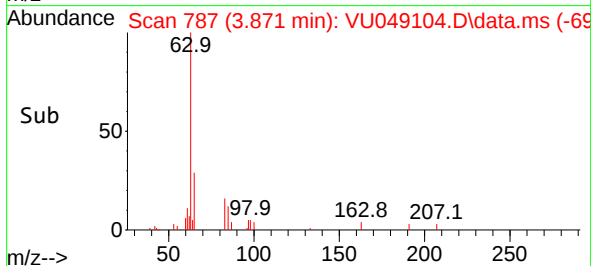
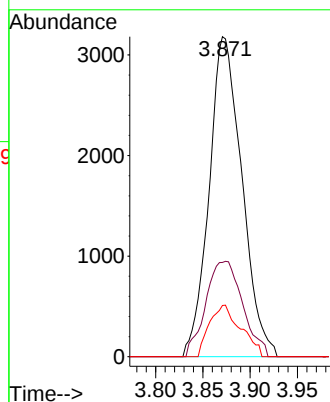
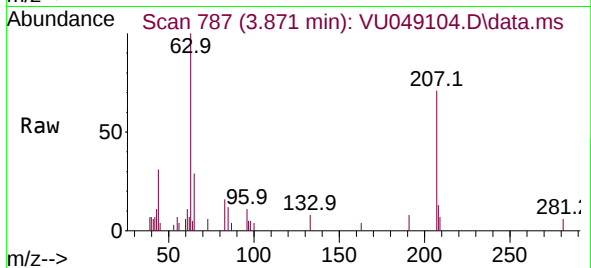




#19
1,1-Dichloroethane
Concen: 0.417 ug/L
RT: 3.871 min Scan# 787
Delta R.T. 0.000 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

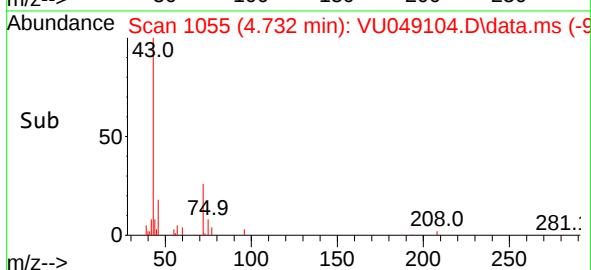
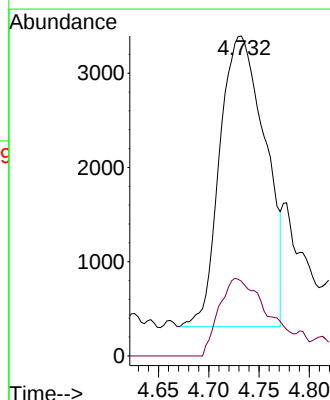
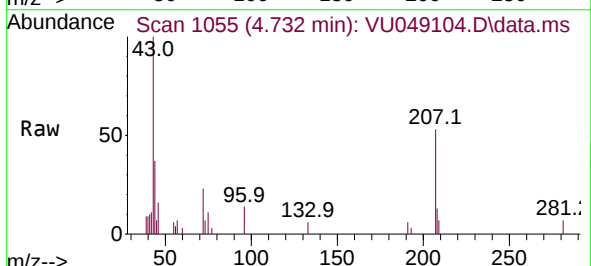
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5032

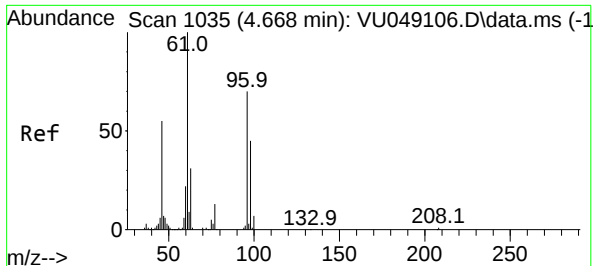
Tgt Ion: 63 Resp: 7679
Ion Ratio Lower Upper
63 100
65 29.4 24.0 44.6
83 16.0 9.1 16.9



#21
2-Butanone
Concen: 3.345 ug/L
RT: 4.732 min Scan# 1055
Delta R.T. 0.016 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

Tgt Ion: 43 Resp: 9694
Ion Ratio Lower Upper
43 100
72 28.5 12.2 36.6





#22

cis-1,2-Dichloroethene

Concen: 0.388 ug/L

RT: 4.668 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5032

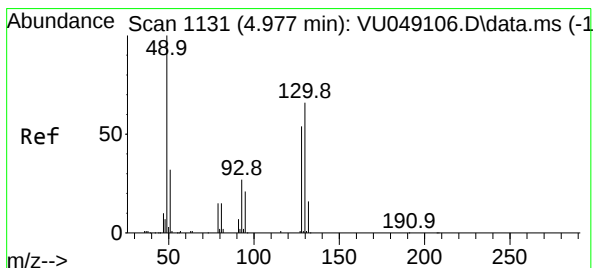
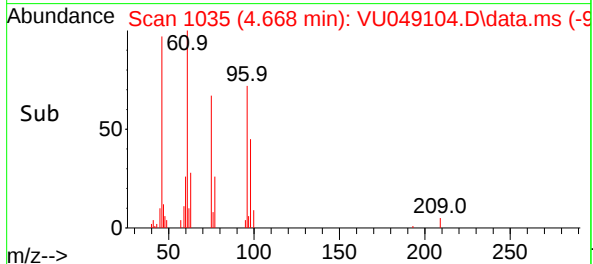
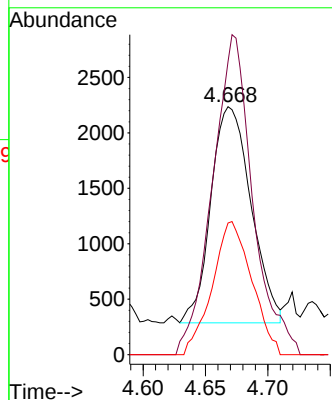
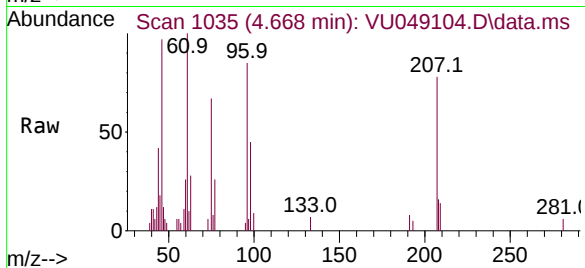
Tgt Ion: 96 Resp: 4378

Ion Ratio Lower Upper

96 100

61 118.1 99.5 184.9

98 53.1 44.8 83.2



#23

Bromochloromethane

Concen: 0.355 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

Tgt Ion: 128 Resp: 1719

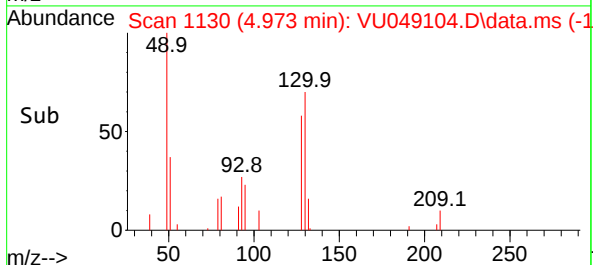
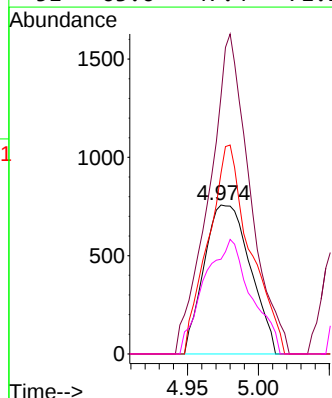
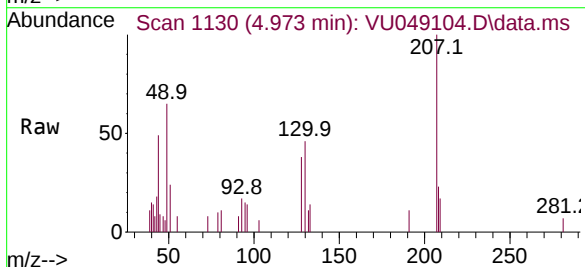
Ion Ratio Lower Upper

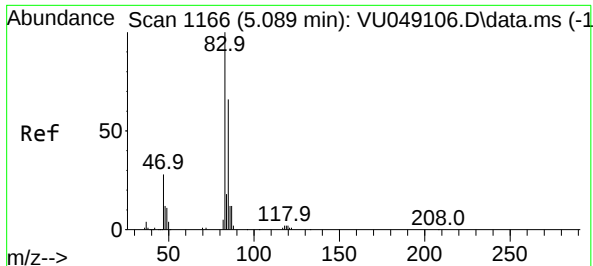
128 100

49 173.1 131.6 244.4

130 121.4 86.9 161.5

51 63.6 47.4 71.2





#25

Chloroform

Concen: 0.416 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

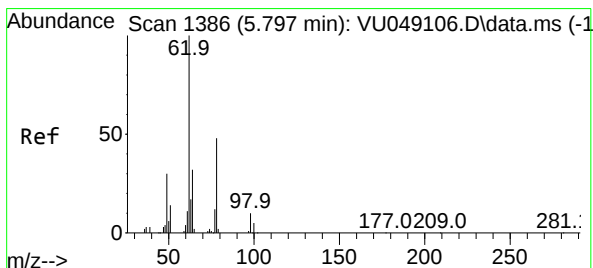
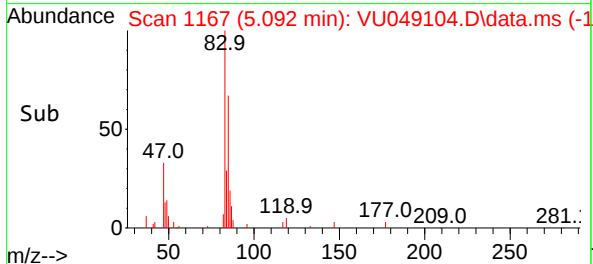
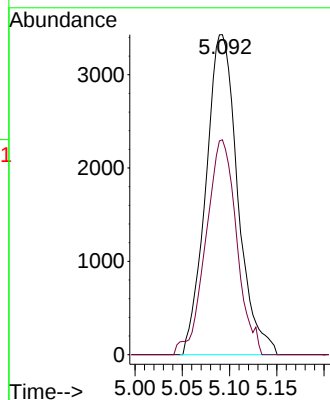
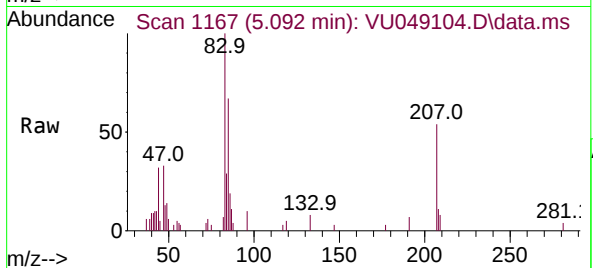
VSTD0.5032

Tgt Ion: 83 Resp: 8040

Ion Ratio Lower Upper

83 100

85 67.1 45.8 85.2



#27

1,2-Dichloroethane

Concen: 0.402 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.003 min

Lab File: VU049104.D

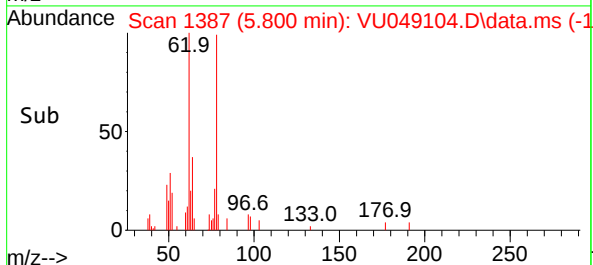
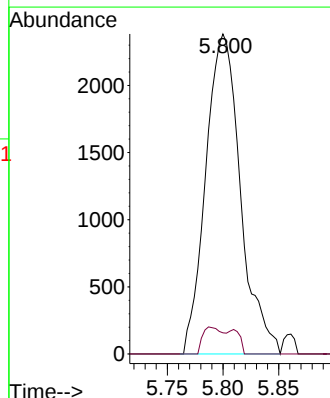
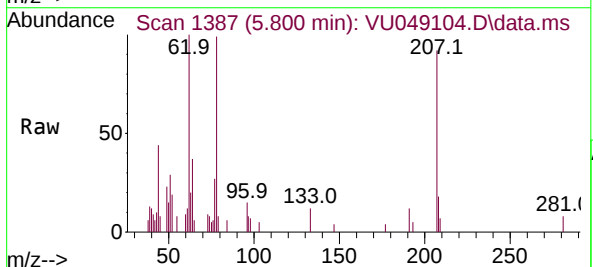
Acq: 14 Jun 2022 10:15

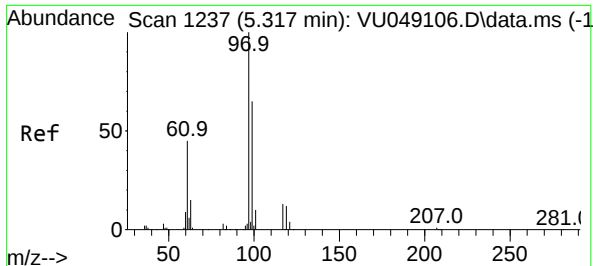
Tgt Ion: 62 Resp: 5166

Ion Ratio Lower Upper

62 100

98 6.6 7.6 11.4#





#29

1,1,1-Trichloroethane

Concen: 0.434 ug/L

RT: 5.321 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5032

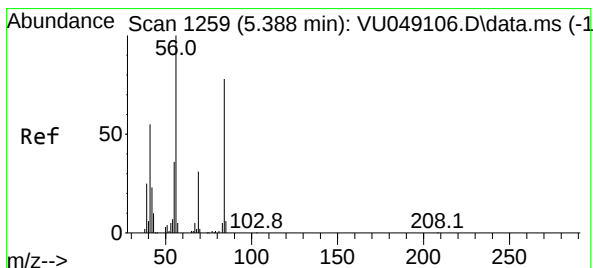
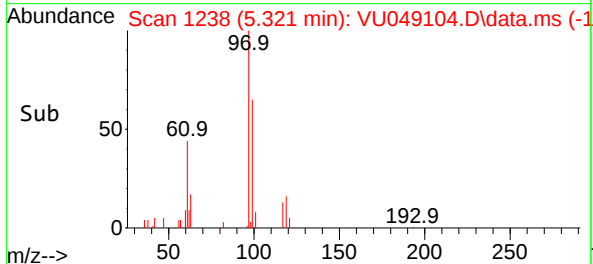
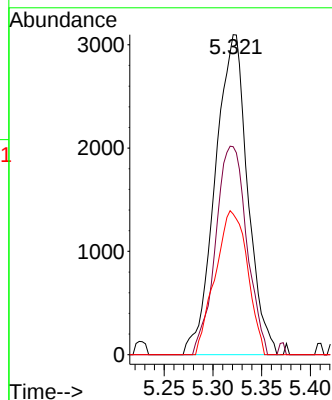
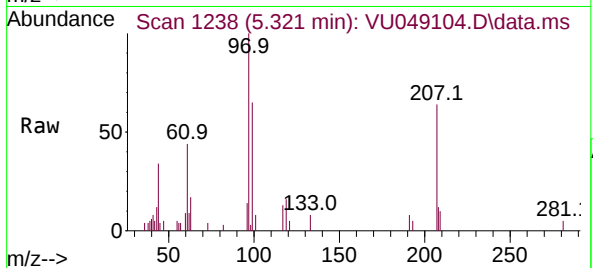
Tgt Ion: 97 Resp: 7165

Ion Ratio Lower Upper

97 100

99 62.7 51.0 76.4

61 44.7 36.2 54.4



#30

Cyclohexane

Concen: 0.581 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.003 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

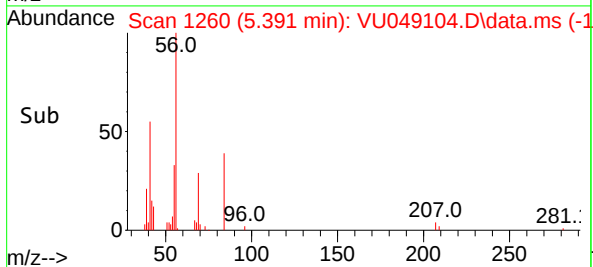
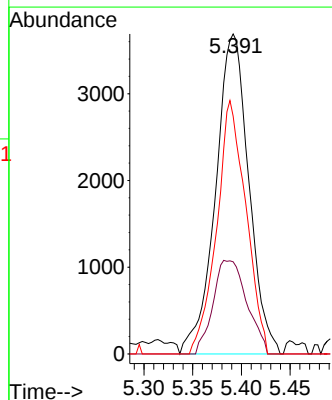
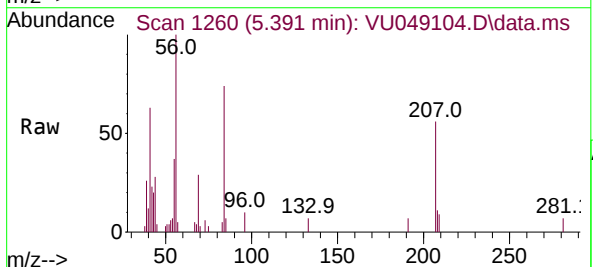
Tgt Ion: 56 Resp: 8737

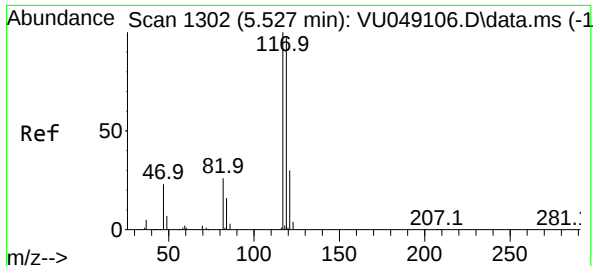
Ion Ratio Lower Upper

56 100

69 29.7 23.8 35.6

84 69.7 61.2 91.8

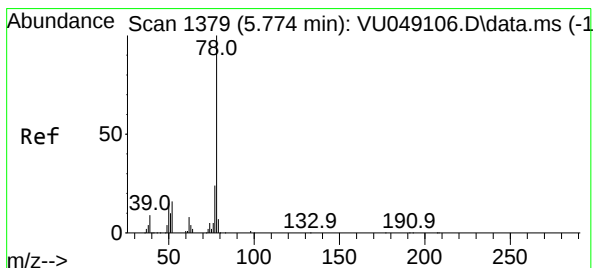
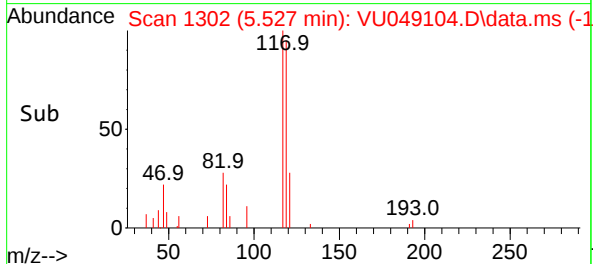
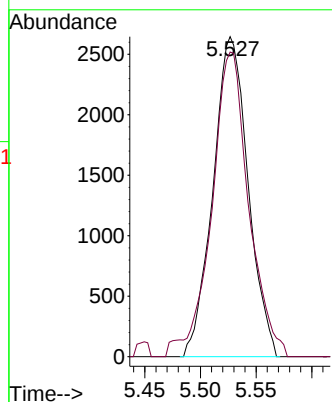
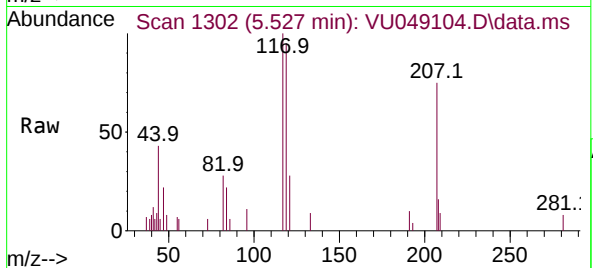




#31
Carbon tetrachloride
Concen: 0.400 ug/L
RT: 5.527 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

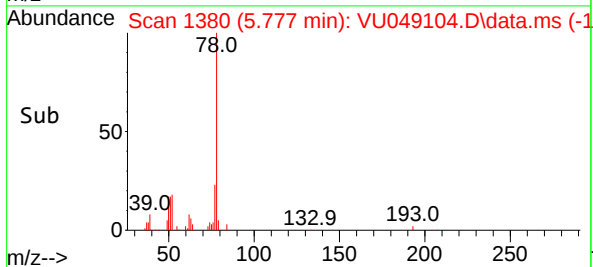
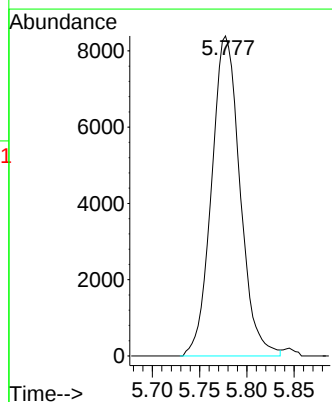
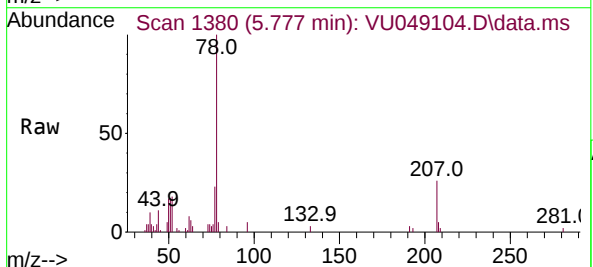
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5032

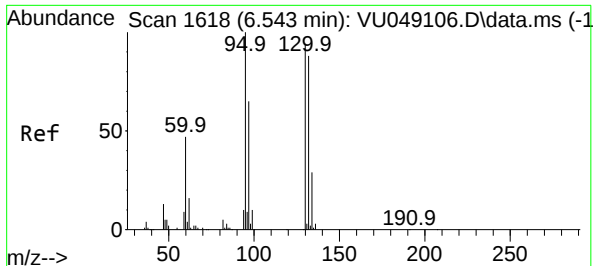
Tgt Ion:117 Resp: 5802
Ion Ratio Lower Upper
117 100
119 100.5 78.3 117.5



#33
Benzene
Concen: 0.445 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

Tgt Ion: 78 Resp: 17573





#34

Trichloroethene

Concen: 0.418 ug/L

RT: 6.546 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5032

Tgt Ion: 95 Resp: 4249

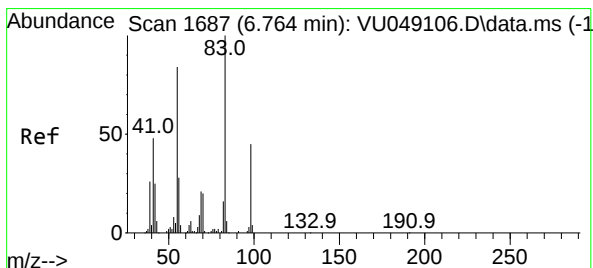
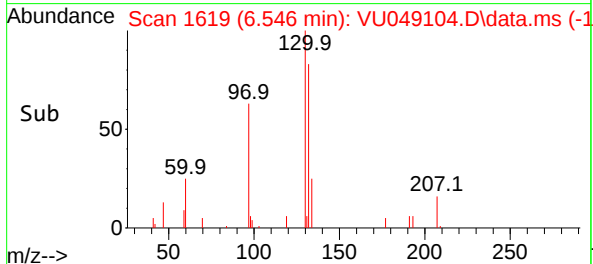
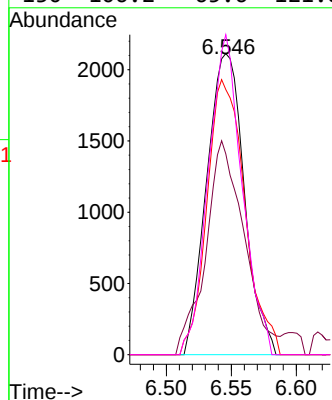
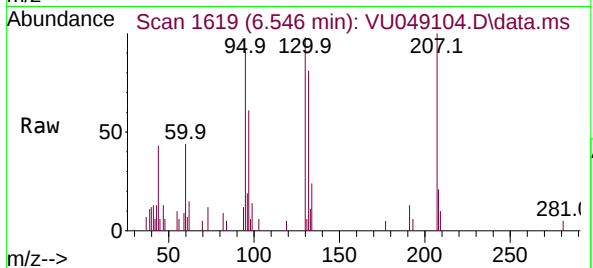
Ion Ratio Lower Upper

95 100

97 66.7 45.3 84.1

132 88.0 61.5 114.3

130 106.2 65.6 121.8



#35

Methylcyclohexane

Concen: 0.476 ug/L

RT: 6.768 min Scan# 1688

Delta R.T. 0.003 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

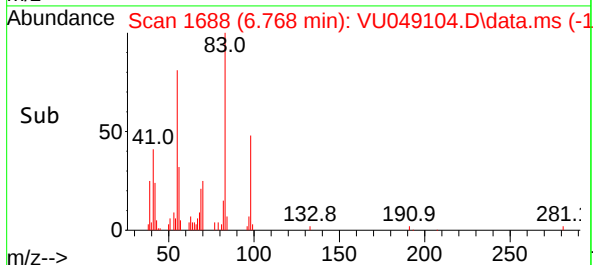
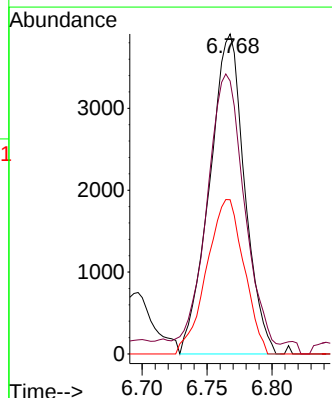
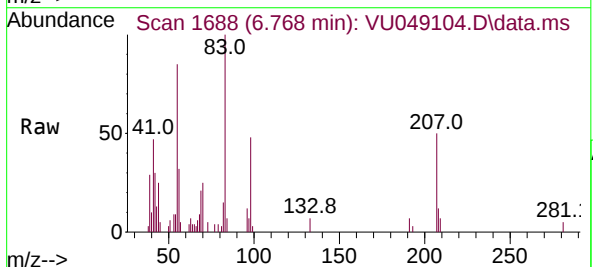
Tgt Ion: 83 Resp: 7332

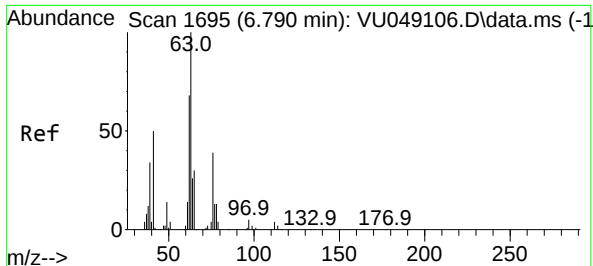
Ion Ratio Lower Upper

83 100

55 87.6 66.9 100.3

98 51.3 35.5 53.3





#37

1,2-Dichloropropane

Concen: 0.459 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

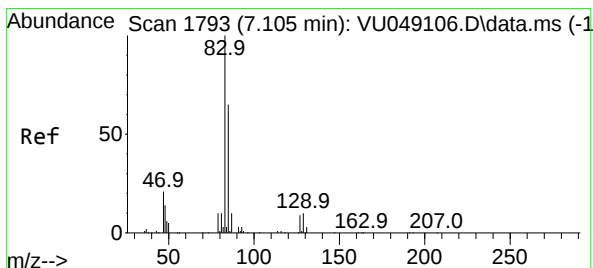
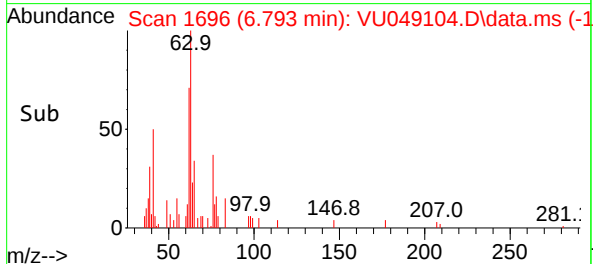
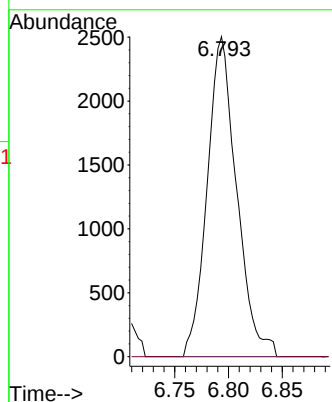
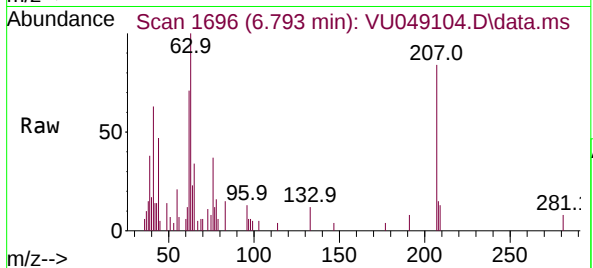
VSTD0.5032

Tgt Ion: 63 Resp: 4775

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



#38

Bromodichloromethane

Concen: 0.409 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

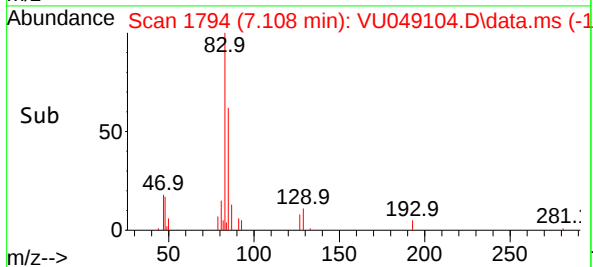
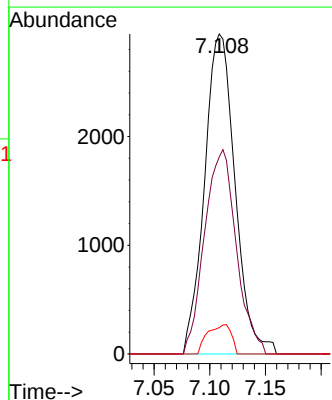
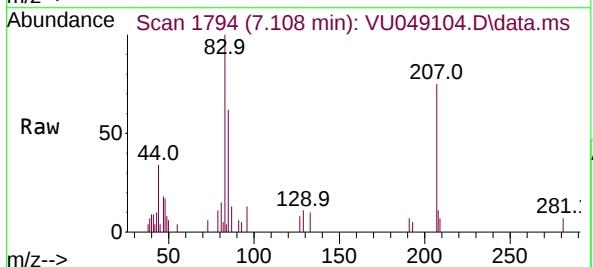
Tgt Ion: 83 Resp: 5617

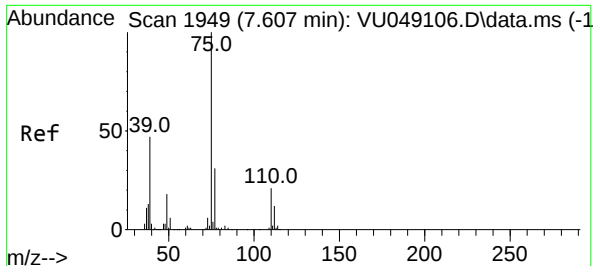
Ion Ratio Lower Upper

83 100

85 61.5 45.5 84.5

127 8.3 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 0.463 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

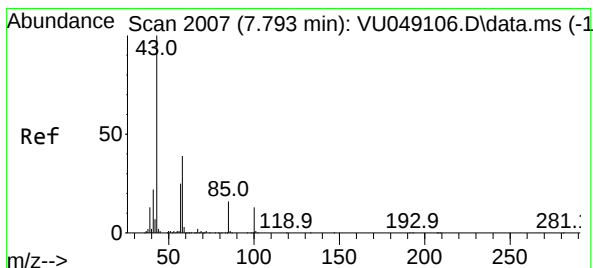
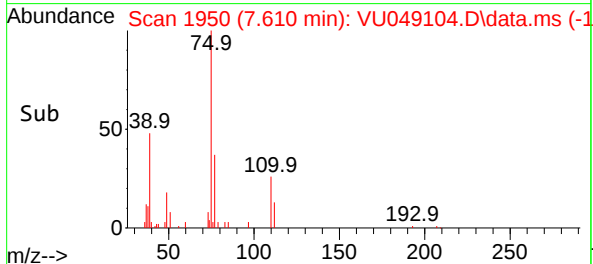
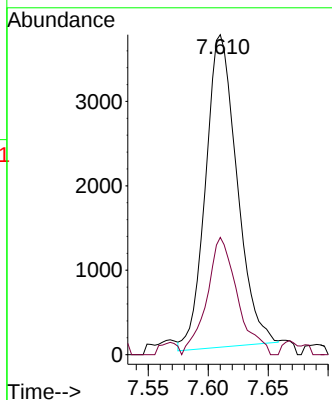
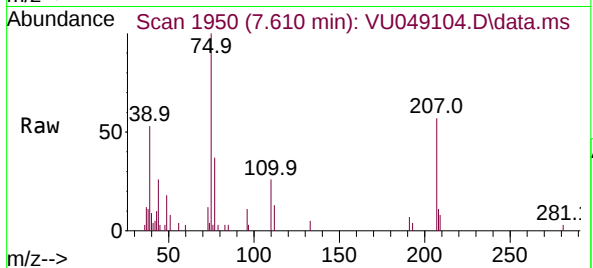
VSTD0.5032

Tgt Ion: 75 Resp: 6745

Ion Ratio Lower Upper

75 100

77 36.6 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 4.793 ug/L

RT: 7.797 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

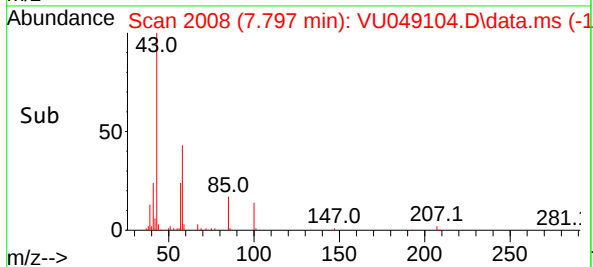
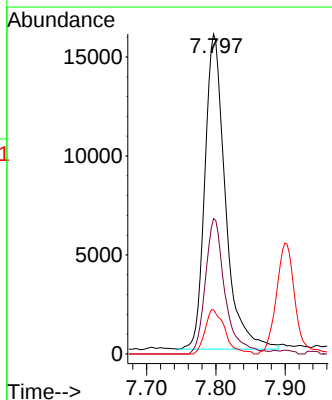
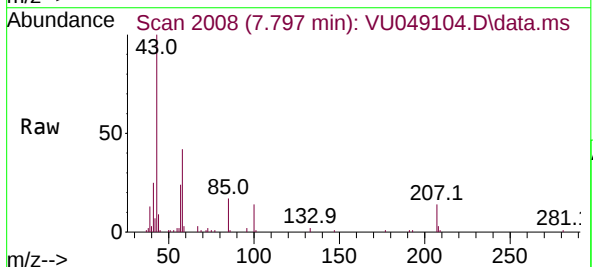
Tgt Ion: 43 Resp: 32742

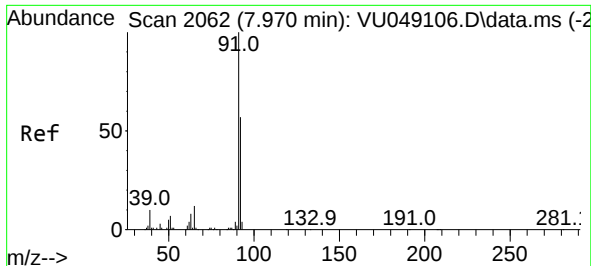
Ion Ratio Lower Upper

43 100

58 41.2 31.4 47.2

100 13.5 10.5 15.7





#42

Toluene

Concen: 0.451 ug/L

RT: 7.973 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

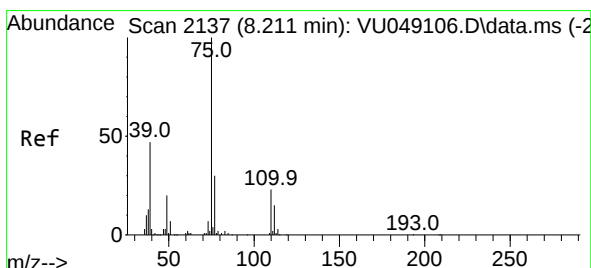
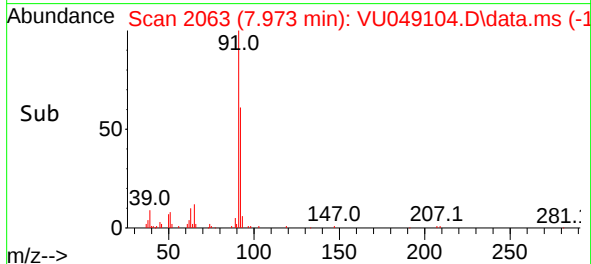
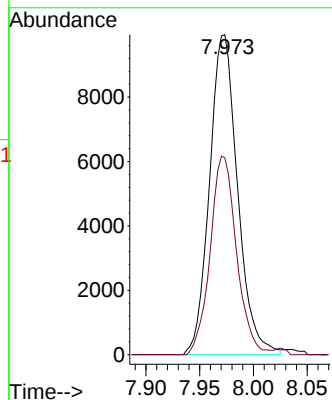
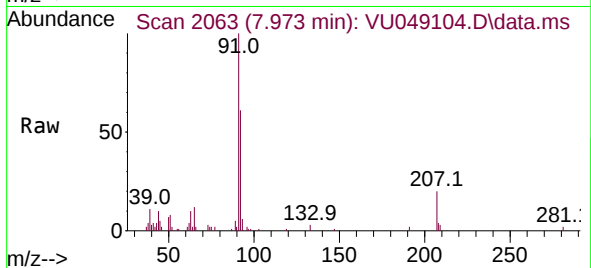
VSTD0.5032

Tgt Ion: 91 Resp: 18027

Ion Ratio Lower Upper

91 100

92 61.5 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 0.478 ug/L

RT: 8.215 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU049104.D

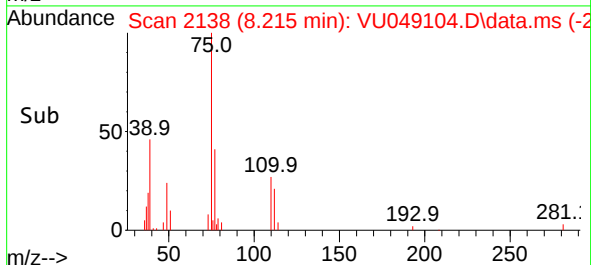
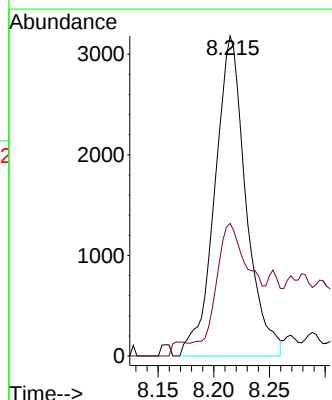
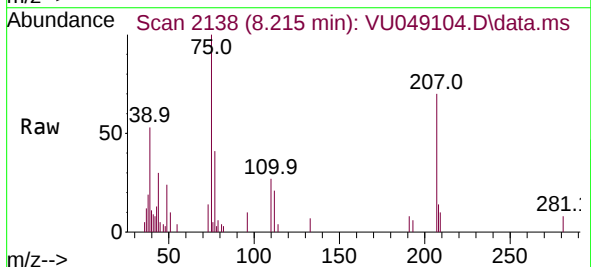
Acq: 14 Jun 2022 10:15

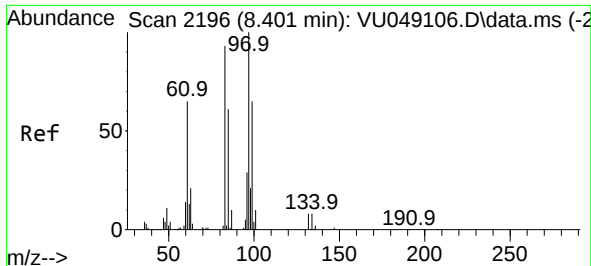
Tgt Ion: 75 Resp: 6184

Ion Ratio Lower Upper

75 100

77 41.4 21.1 39.3#





#45

1,1,2-Trichloroethane

Concen: 0.478 ug/L

RT: 8.398 min Scan# 2195

Delta R.T. -0.003 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5032

Tgt Ion: 97 Resp: 3509

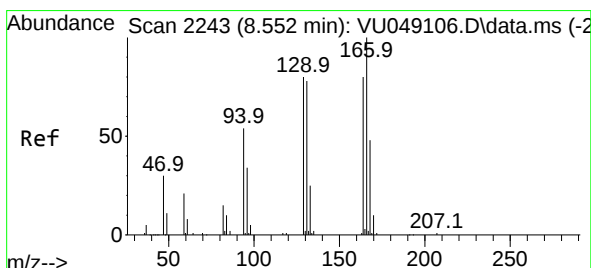
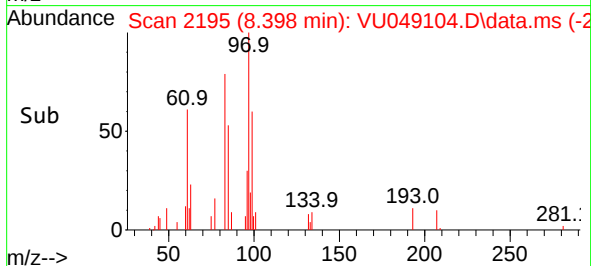
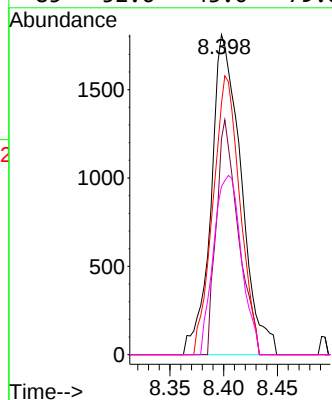
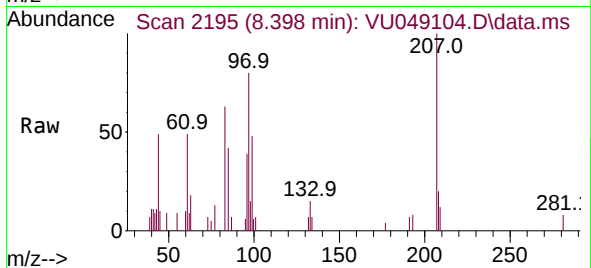
Ion Ratio Lower Upper

97 100

99 67.5 45.6 84.8

83 78.5 65.4 121.4

85 52.6 43.0 79.8



#47

Tetrachloroethene

Concen: 0.371 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.003 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

Tgt Ion:164 Resp: 2918

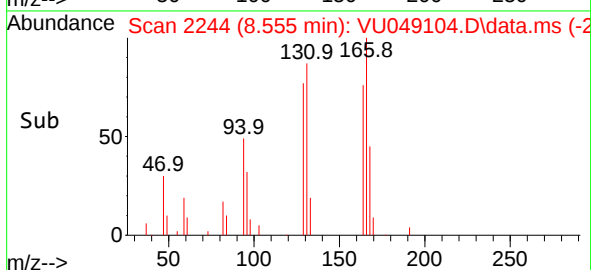
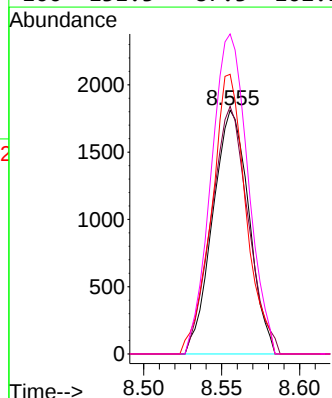
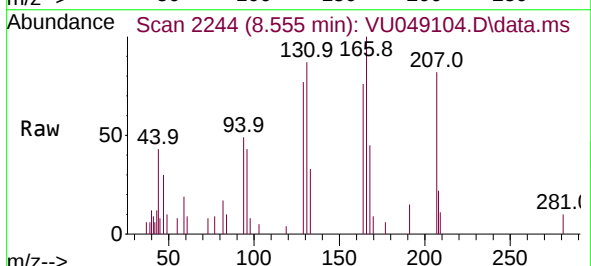
Ion Ratio Lower Upper

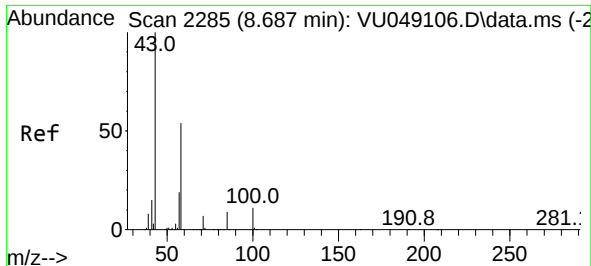
164 100

129 101.5 69.8 129.6

131 114.8 67.8 125.8

166 131.3 87.3 162.1

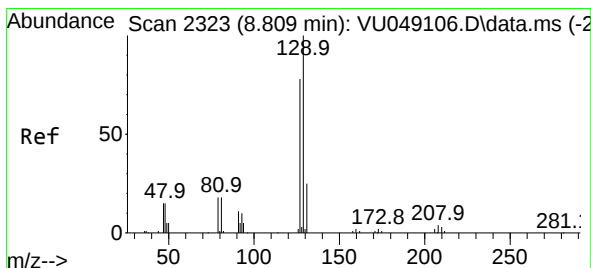
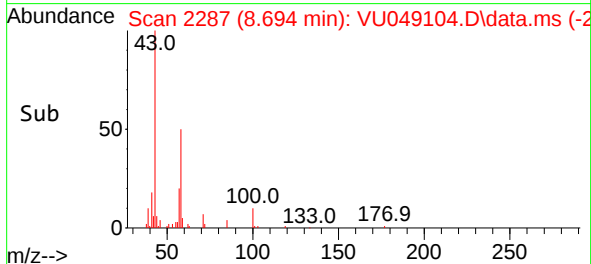
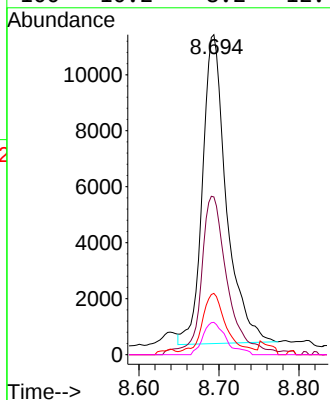
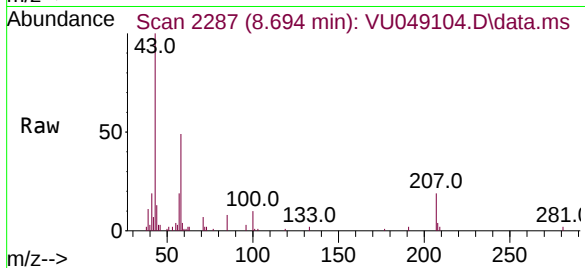




#48
2-Hexanone
Concen: 4.567 ug/L
RT: 8.694 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

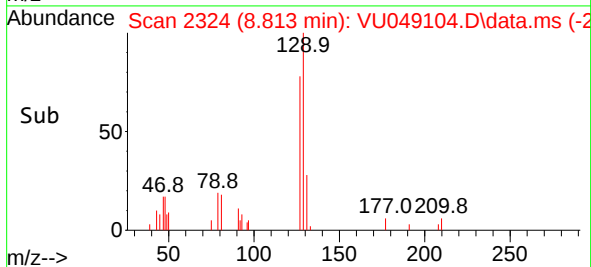
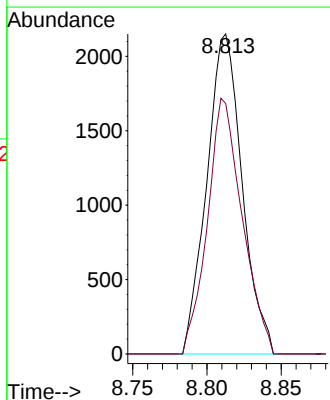
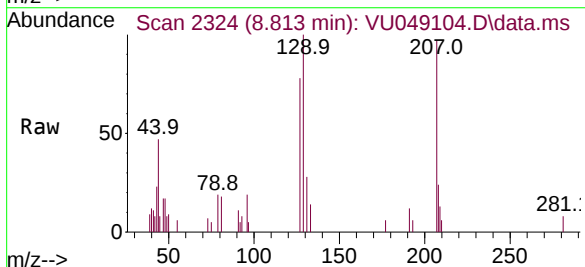
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5032

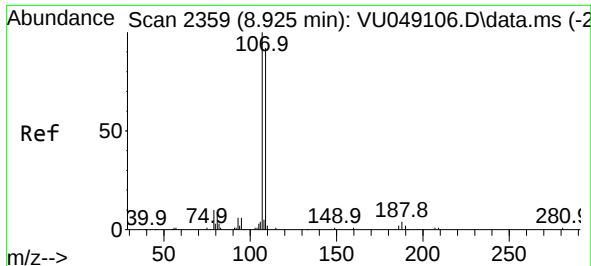
Tgt Ion: 43	Resp: 22933
Ion Ratio	Lower Upper
43 100	
58 56.0	43.4 65.0
57 20.6	14.9 22.3
100 10.2	8.2 12.4



#49
Dibromochloromethane
Concen: 0.388 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

Tgt Ion:129	Resp:	3565	
Ion	Ratio	Lower	Upper
129	100		
127	78.2	54.9	101.9





#50

1,2-Dibromoethane

Concen: 0.387 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5032

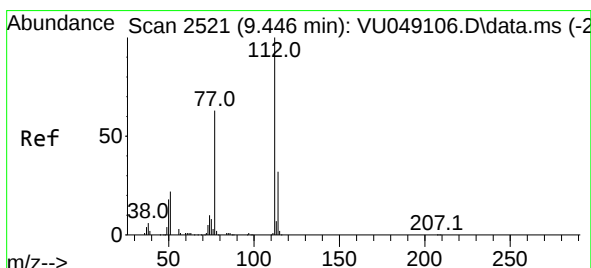
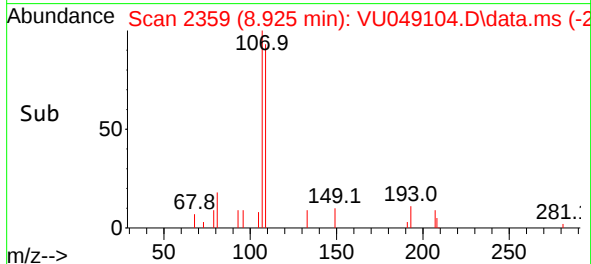
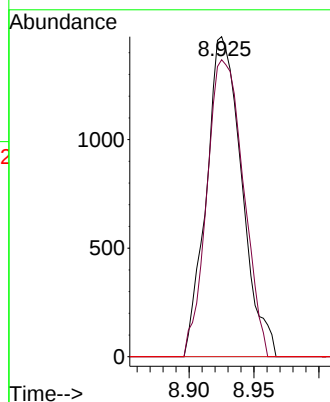
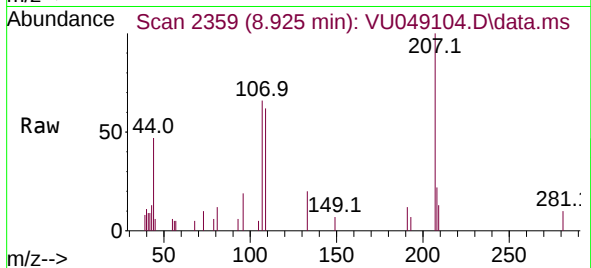
Tgt Ion:107 Resp: 2790

Ion Ratio Lower Upper

107 100

109 92.8 64.4 119.6

188 0.0 2.9 4.3#



#51

Chlorobenzene

Concen: 0.427 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.003 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

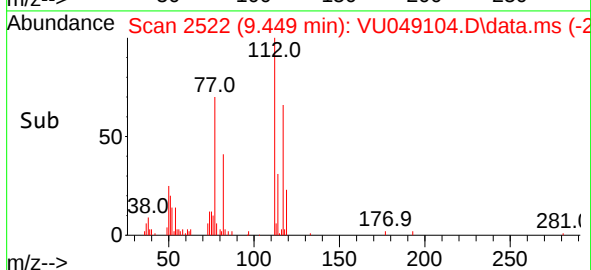
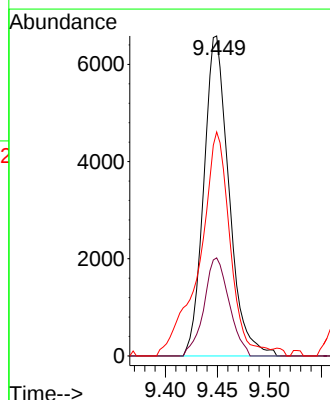
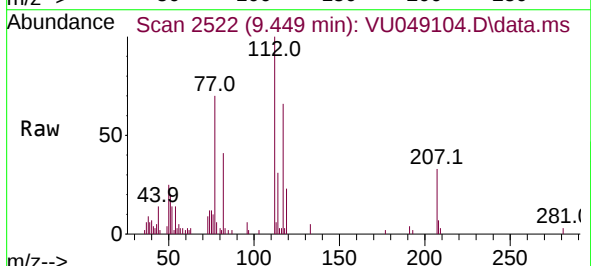
Tgt Ion:112 Resp: 11093

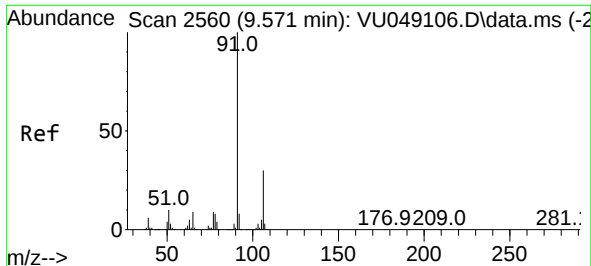
Ion Ratio Lower Upper

112 100

114 30.6 22.3 41.3

77 70.0 51.0 76.6

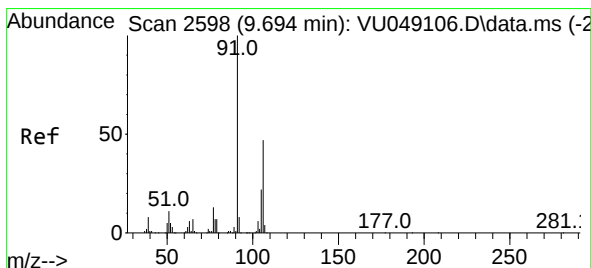
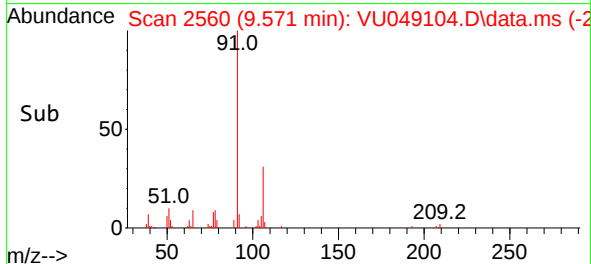
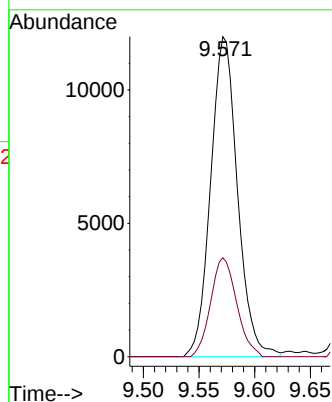
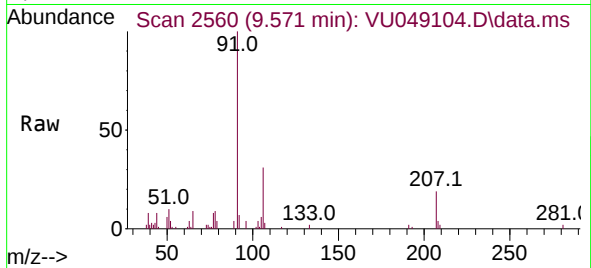




#52
Ethylbenzene
Concen: 0.483 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

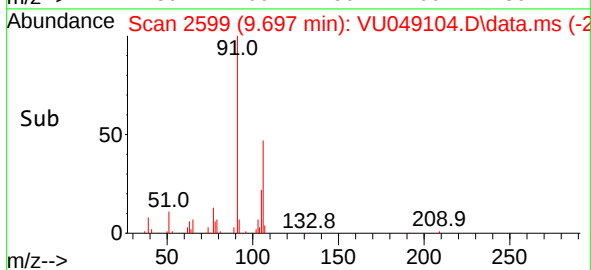
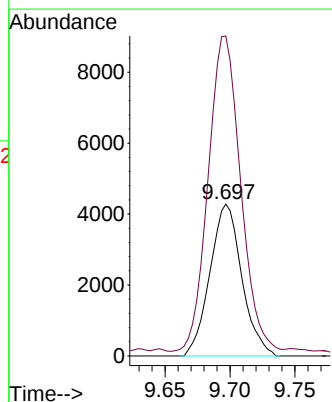
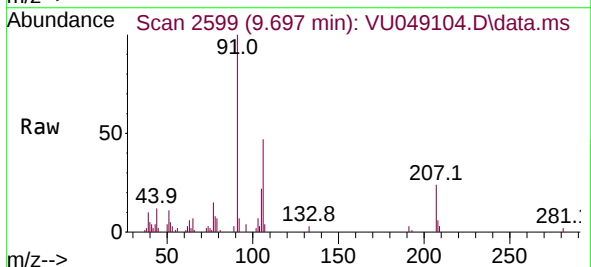
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5032

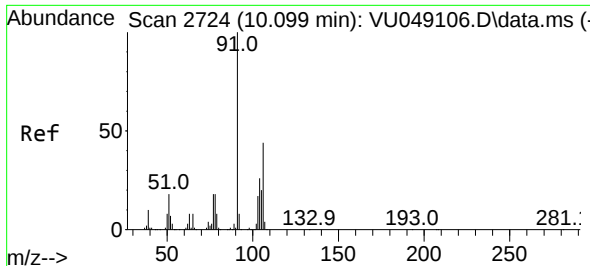
Tgt Ion: 91 Resp: 20118
Ion Ratio Lower Upper
91 100
106 30.9 21.2 39.4



#53
m,p-Xylene
Concen: 0.439 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

Tgt Ion: 106 Resp: 7296
Ion Ratio Lower Upper
106 100
91 210.7 148.5 275.7

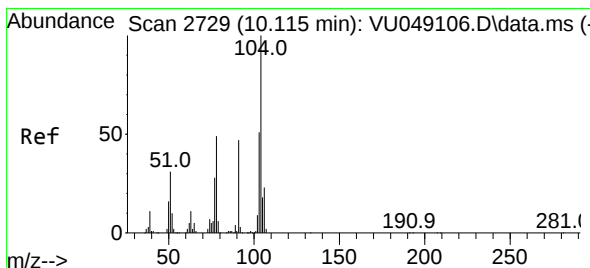
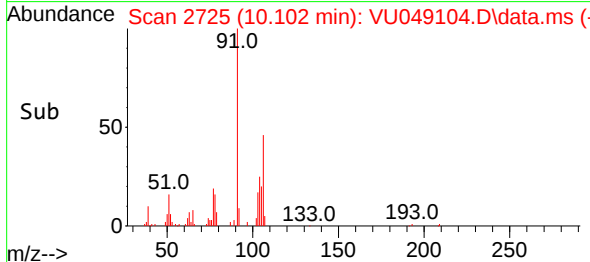
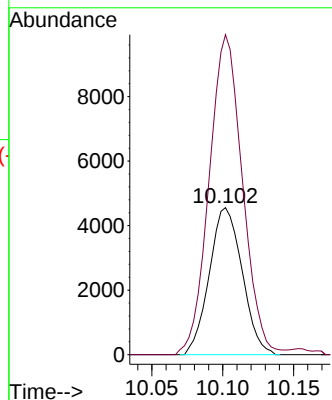
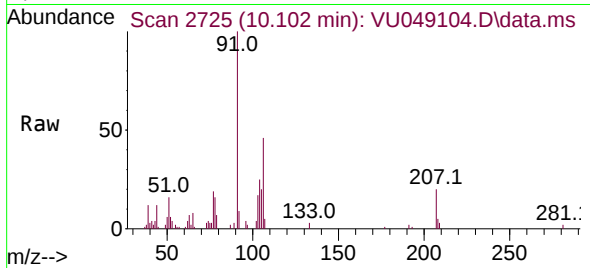




#54
o-Xylene
Concen: 0.456 ug/L
RT: 10.102 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

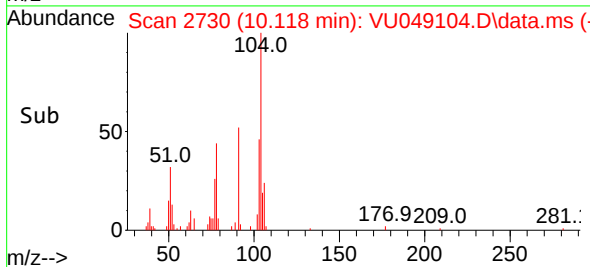
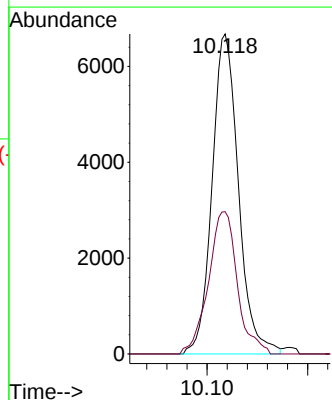
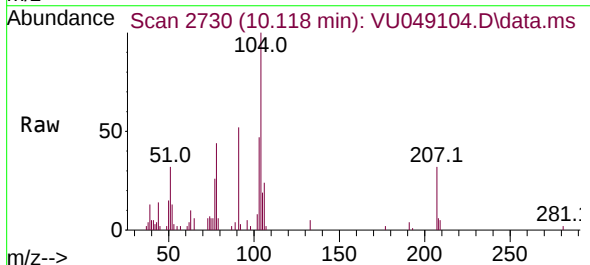
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5032

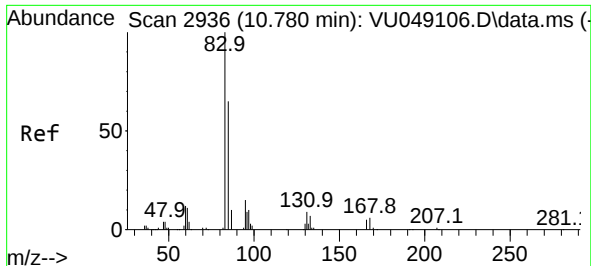
Tgt Ion:106 Resp: 7356
Ion Ratio Lower Upper
106 100
91 217.7 157.5 292.5



#55
Styrene
Concen: 0.453 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. 0.003 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

Tgt Ion:104 Resp: 12171
Ion Ratio Lower Upper
104 100
78 44.4 34.1 63.3





#57

1,1,2,2-Tetrachloroethane

Concen: 0.442 ug/L

RT: 10.784 min Scan# 2936

Delta R.T. 0.003 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5032

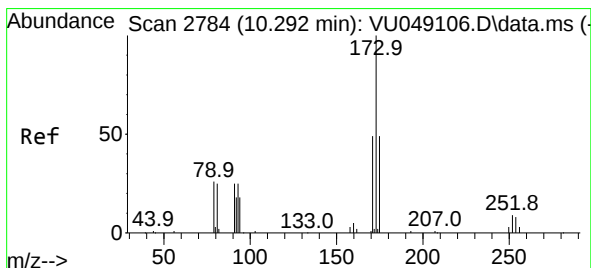
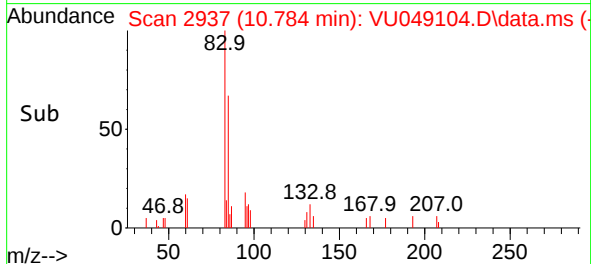
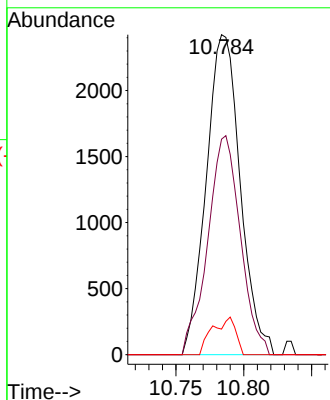
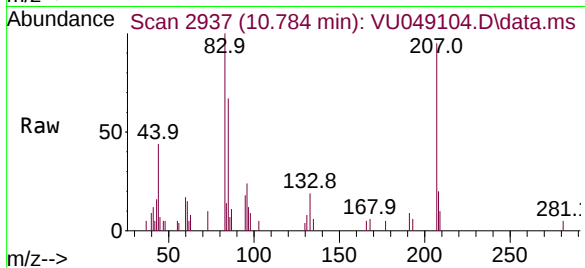
Tgt Ion: 83 Resp: 4225

Ion Ratio Lower Upper

83 100

85 67.4 45.4 84.4

131 8.0 7.1 10.7



#59

Bromoform

Concen: 0.382 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

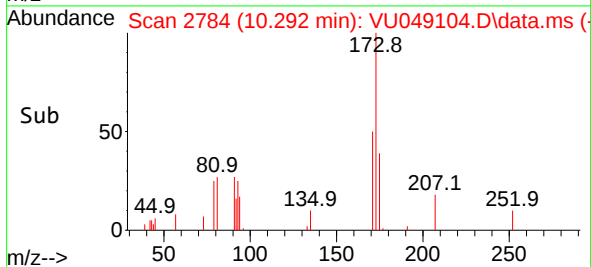
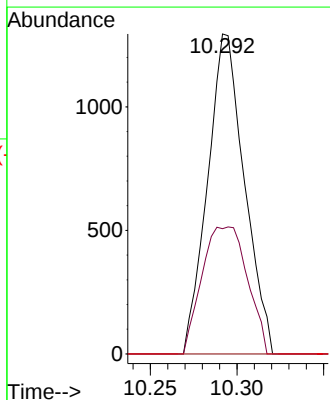
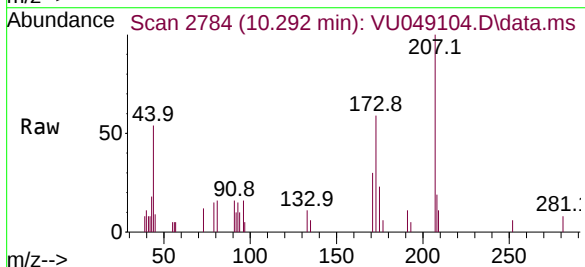
Tgt Ion: 173 Resp: 1912

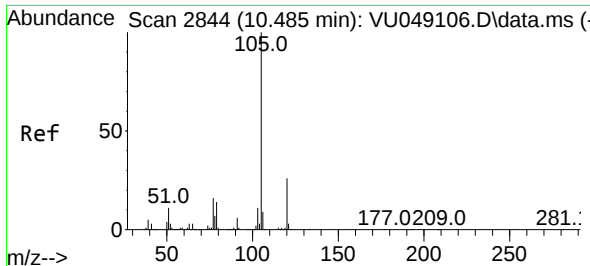
Ion Ratio Lower Upper

173 100

175 49.1 37.9 56.9

254 0.0 6.6 9.8#

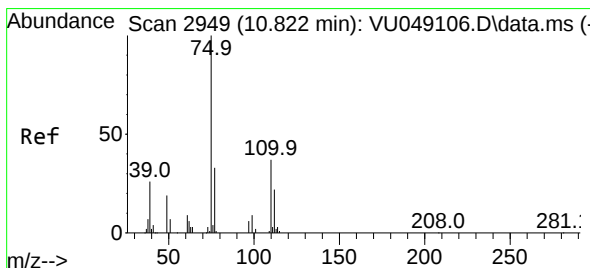
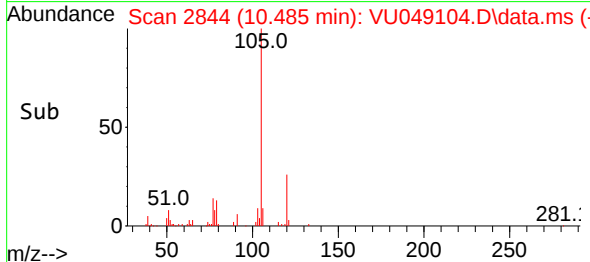
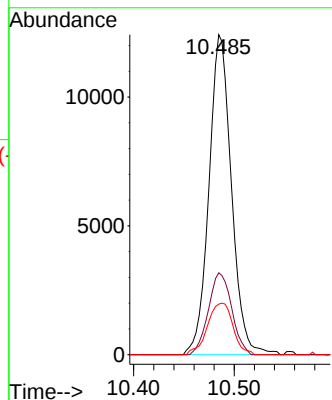
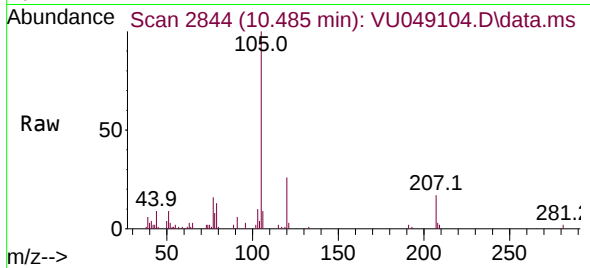




#60
Isopropylbenzene
Concen: 0.503 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

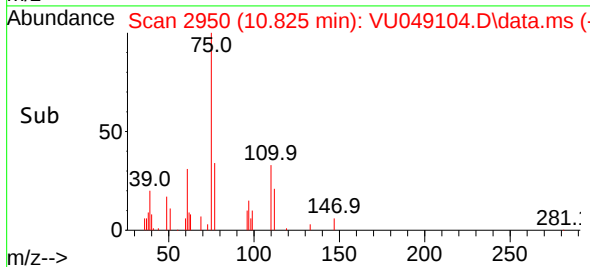
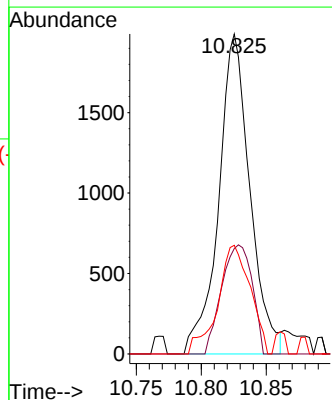
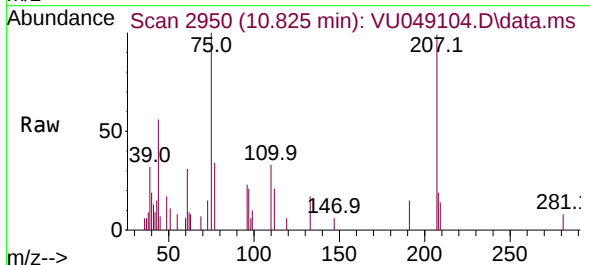
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5032

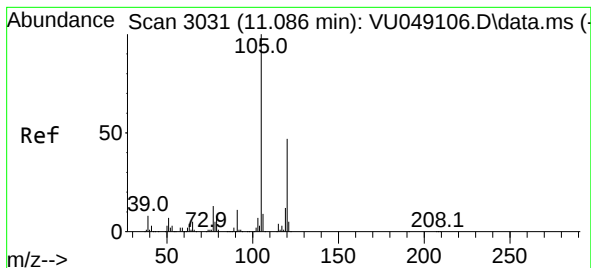
Tgt Ion:	105	Resp:	19307
Ion Ratio	Lower	Upper	
105	100		
120	26.4	20.3	30.5
77	18.3	13.0	19.6



#61
1,2,3-Trichloropropane
Concen: 0.499 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

Tgt Ion:	75	Resp:	3322
Ion Ratio	Lower	Upper	
75	100		
110	33.4	29.0	43.4
77	35.3	26.2	39.2





#62

1,3,5-Trimethylbenzene

Concen: 0.532 ug/L

RT: 11.089 min Scan# 3031

Delta R.T. 0.003 min

Lab File: VU049104.D

Acq: 14 Jun 2022 10:15

Instrument :

MSVOA_U

ClientSampleId :

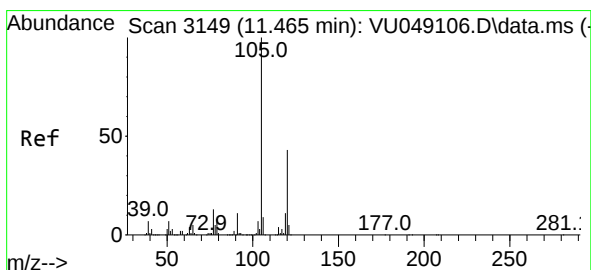
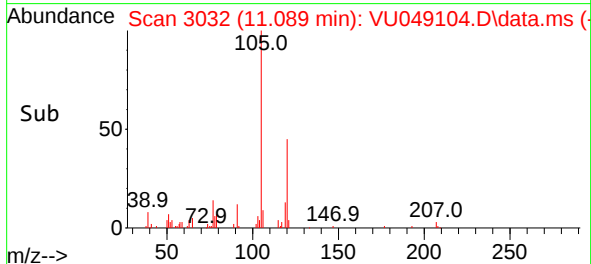
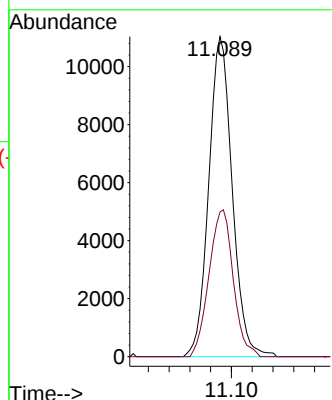
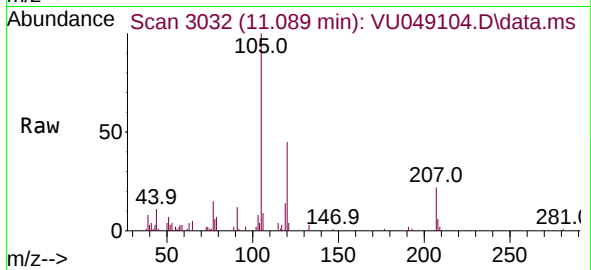
VSTD0.5032

Tgt Ion:105 Resp: 17300

Ion Ratio Lower Upper

105 100

120 47.4 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 0.507 ug/L

RT: 11.472 min Scan# 3151

Delta R.T. 0.006 min

Lab File: VU049104.D

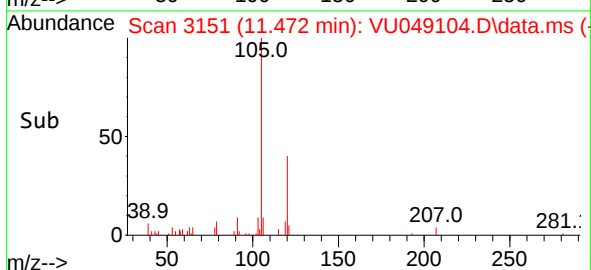
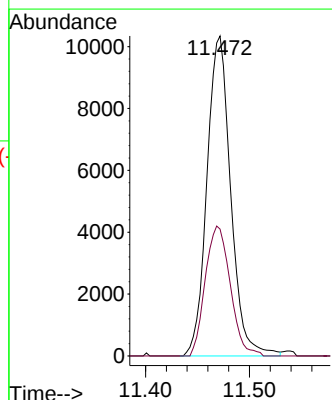
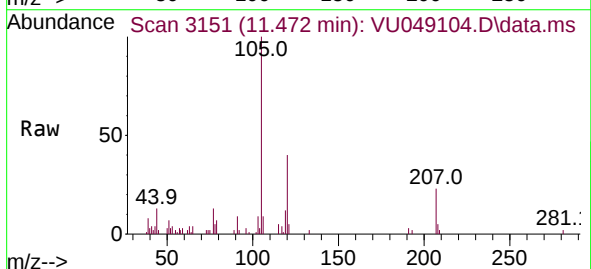
Acq: 14 Jun 2022 10:15

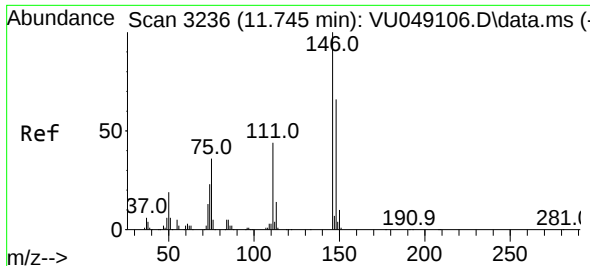
Tgt Ion:105 Resp: 16442

Ion Ratio Lower Upper

105 100

120 42.7 34.6 52.0

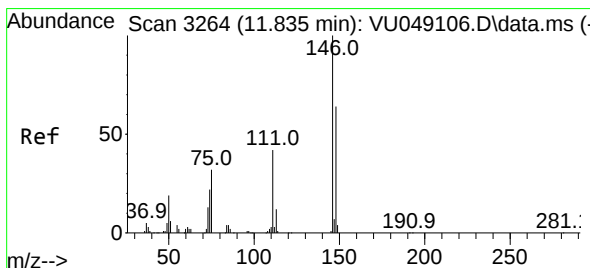
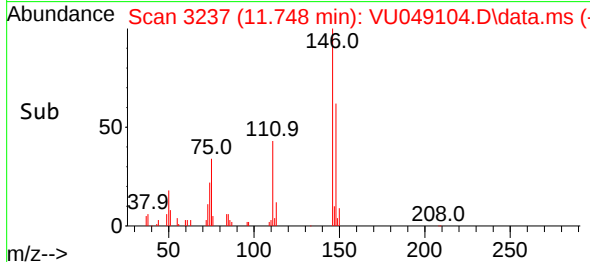
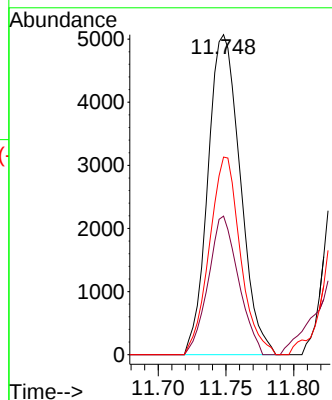
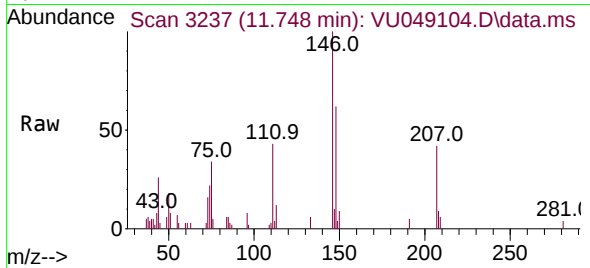




#64
1,3-Dichlorobenzene
Concen: 0.453 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

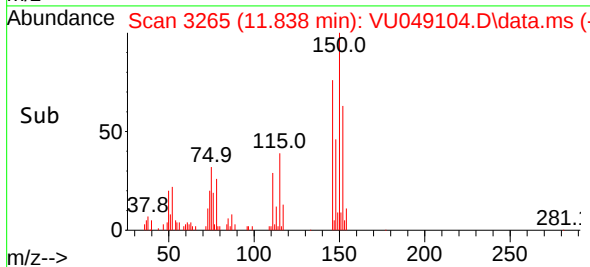
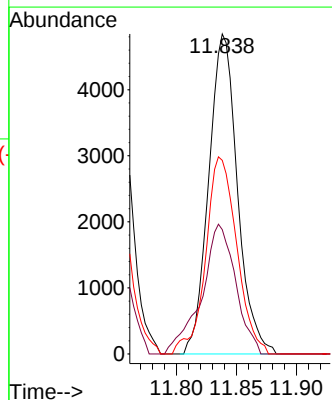
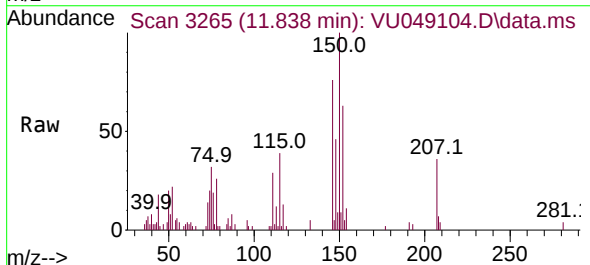
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5032

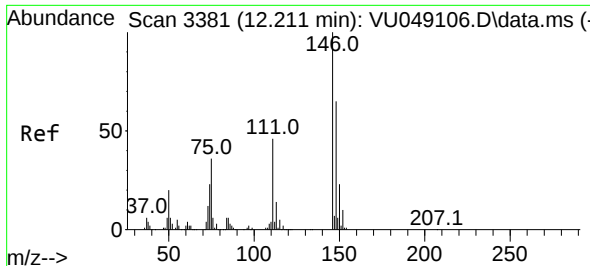
Tgt Ion:146 Resp: 8401
Ion Ratio Lower Upper
146 100
111 43.3 30.9 57.5
148 61.8 46.1 85.7



#65
1,4-Dichlorobenzene
Concen: 0.444 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

Tgt Ion:146 Resp: 8066
Ion Ratio Lower Upper
146 100
111 38.8 29.8 55.4
148 60.5 44.7 83.1

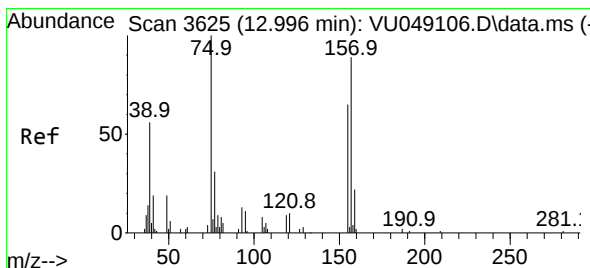
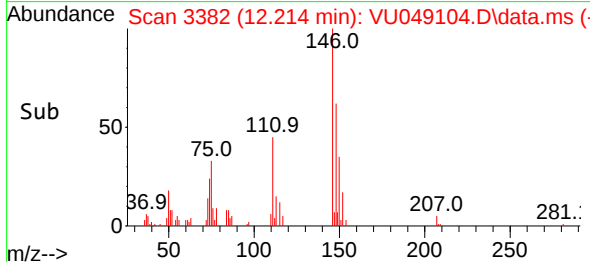
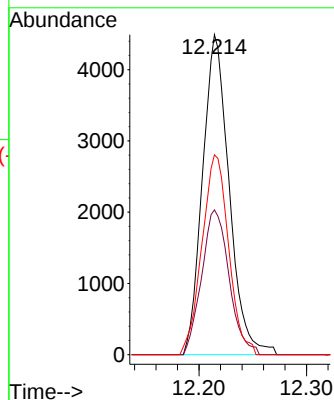
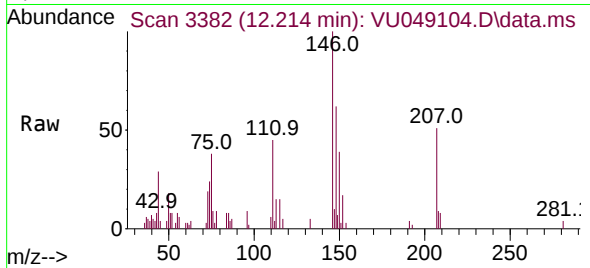




#67
 1,2-Dichlorobenzene
 Concen: 0.431 ug/L
 RT: 12.214 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU049104.D
 Acq: 14 Jun 2022 10:15

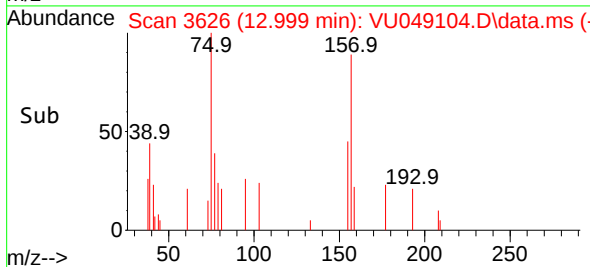
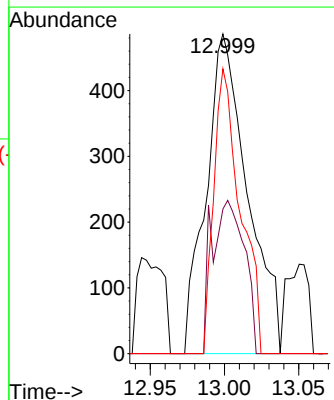
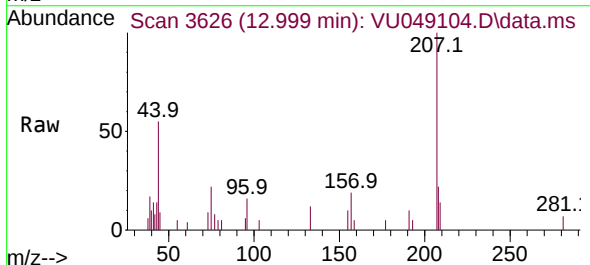
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5032

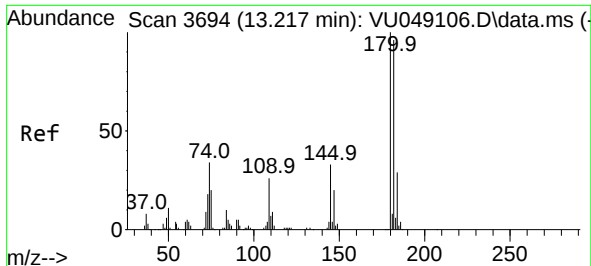
Tgt Ion:146 Resp: 7710
 Ion Ratio Lower Upper
 146 100
 111 45.3 36.6 55.0
 148 62.5 52.2 78.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.576 ug/L
 RT: 12.999 min Scan# 3626
 Delta R.T. 0.003 min
 Lab File: VU049104.D
 Acq: 14 Jun 2022 10:15

Tgt Ion: 75 Resp: 945
 Ion Ratio Lower Upper
 75 100
 155 45.3 52.0 78.0#
 157 89.1 71.4 107.2

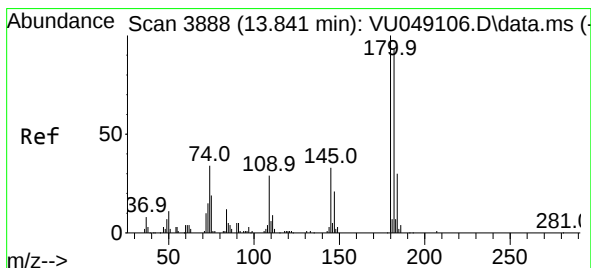
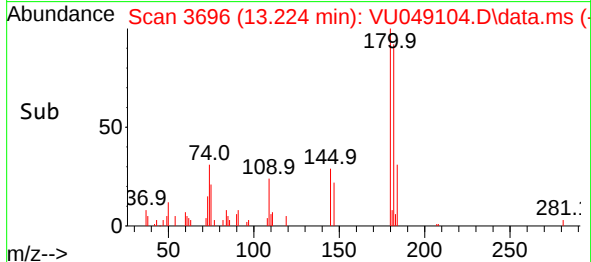
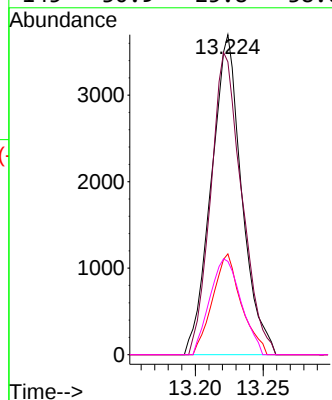
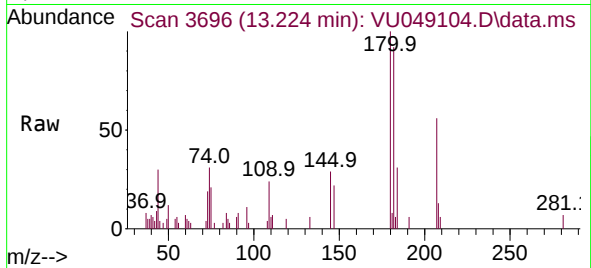




#69
 1,3,5-Trichlorobenzene
 Concen: 0.414 ug/L
 RT: 13.224 min Scan# 3696
 Delta R.T. 0.006 min
 Lab File: VU049104.D
 Acq: 14 Jun 2022 10:15

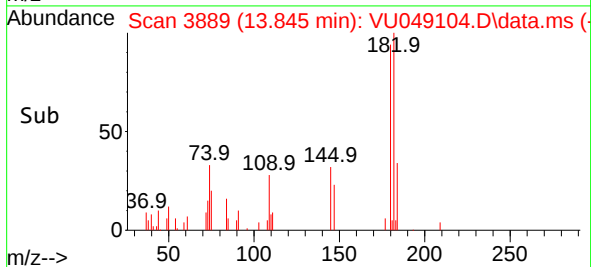
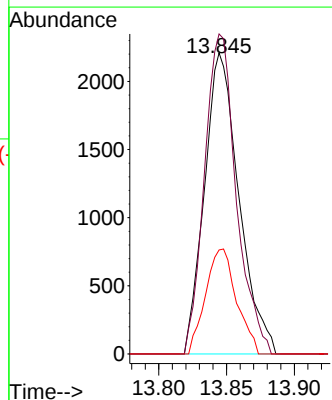
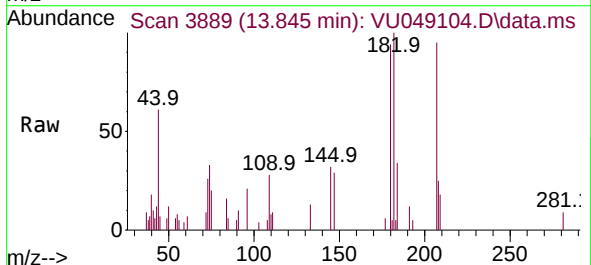
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5032

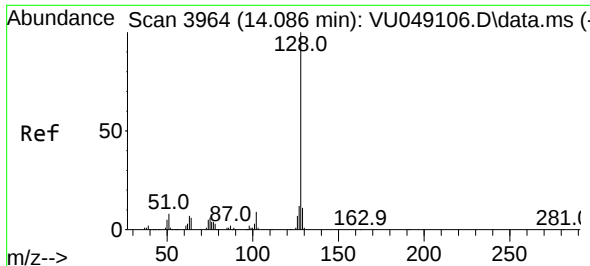
Tgt Ion:	180	Resp:	5775
Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.0	112.4
184	29.8	23.2	34.8
145	30.9	25.8	38.6



#70
 1,2,4-trichlorobenzene
 Concen: 0.353 ug/L
 RT: 13.845 min Scan# 3889
 Delta R.T. 0.003 min
 Lab File: VU049104.D
 Acq: 14 Jun 2022 10:15

Tgt Ion:	180	Resp:	3908
Ion	Ratio	Lower	Upper
180	100		
182	98.2	74.6	112.0
145	31.3	26.1	39.1

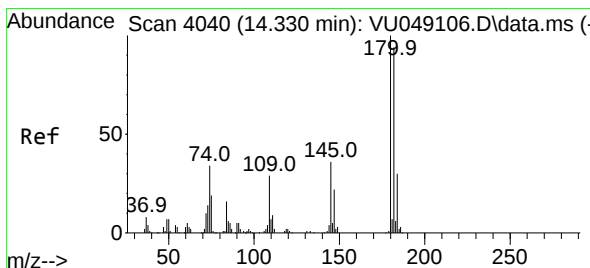
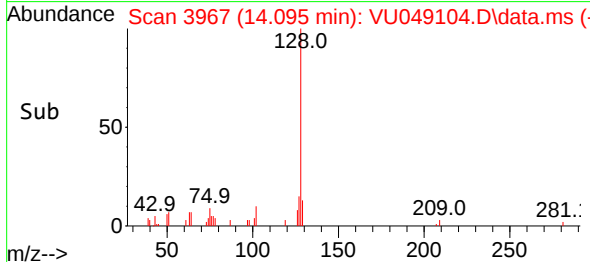
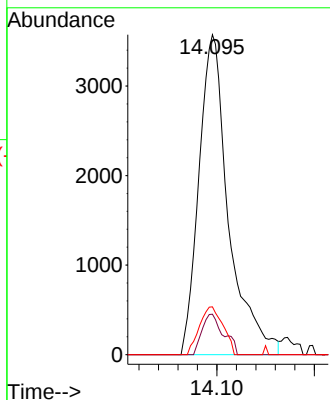
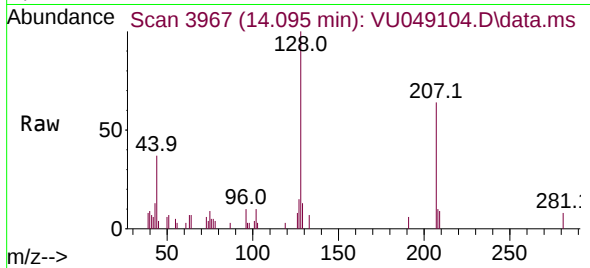




#71
Naphthalene
Concen: 0.338 ug/L
RT: 14.095 min Scan# 3967
Delta R.T. 0.010 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5032

Tgt Ion:128 Resp: 7537
Ion Ratio Lower Upper
128 100
129 9.2 9.0 13.6
127 11.9 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 0.350 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU049104.D
Acq: 14 Jun 2022 10:15

Tgt Ion:180 Resp: 3673
Ion Ratio Lower Upper
180 100
182 97.9 75.6 113.4
145 31.6 27.9 41.9

