

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
 Data File : VU048992.D
 Acq On : 10 Jun 2022 12:46
 Operator : SY/MD
 Sample : VSTD00574
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005074

Quant Time: Jun 10 22:26:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 10 22:26:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	333542	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	313425	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	152157	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	9280	4.484	ug/L	0.00
7) Chloroethane-d5	1.912	69	7149	4.687	ug/L	0.01
11) 1,1-Dichloroethene-d2	2.568	63	18693	4.176	ug/L	0.00
21) 2-Butanone-d5	4.626	46	19601	9.852	ug/L	0.00
24) Chloroform-d	5.067	84	19569	3.891	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	12840	3.679	ug/L	0.00
32) Benzene-d6	5.729	84	34386	4.010	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.694	67	11824	4.553	ug/L	0.00
41) Toluene-d8	7.899	98	29682	3.746	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	5215	3.347	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	9294	6.722	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	19438	4.550	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	12248	4.017	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	15044	4.408	ug/L	97
3) Chloromethane	1.523	50	16699	7.111	ug/L	98
5) Vinyl chloride	1.604	62	15872	6.499	ug/L	100
6) Bromomethane	1.855	94	9479	5.748	ug/L	94
8) Chloroethane	1.932	64	9514	6.741	ug/L	91
9) Trichlorofluoromethane	2.141	101	22861	5.159	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	12945	5.644	ug/L	96
12) 1,1-Dichloroethene	2.581	96	10782	5.073	ug/L	91
13) Acetone	2.626	43	21080	13.433	ug/L	97
14) Carbon disulfide	2.793	76	29561	4.900	ug/L #	93
15) Methyl Acetate	2.951	43	18934	6.715	ug/L	97
16) Methylene chloride	3.047	84	14972	5.935	ug/L	99
17) trans-1,2-Dichloroethene	3.356	96	12436	5.403	ug/L	96
18) Methyl tert-butyl Ether	3.363	73	44639	5.527	ug/L	99
19) 1,1-Dichloroethane	3.871	63	25815	5.961	ug/L	97
20) cis-1,2-Dichloroethene	4.668	96	14933	5.696	ug/L	87
22) 2-Butanone	4.710	43	27838	13.194	ug/L	98
23) Bromochloromethane	4.980	128	7542	5.227	ug/L #	95
25) Chloroform	5.092	83	26673	5.377	ug/L	96
27) 1,2-Dichloroethane	5.797	62	22524	5.394	ug/L #	94
29) Cyclohexane	5.391	56	18057	5.609	ug/L	92
30) 1,1,1-Trichloroethane	5.321	97	23234	5.055	ug/L	94
31) Carbon tetrachloride	5.526	117	20438	4.932	ug/L	99
33) Benzene	5.777	78	53781	5.836	ug/L	100
34) Trichloroethene	6.543	95	14114	5.554	ug/L	96
35) Methylcyclohexane	6.768	83	16900	4.651	ug/L	90
37) 1,2-Dichloropropane	6.793	63	15818	6.703	ug/L #	94
38) Bromodichloromethane	7.105	83	20142	5.517	ug/L	96
39) cis-1,3-Dichloropropene	7.607	75	21573	5.552	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	46724	12.684	ug/L	99
42) Toluene	7.970	91	53444	5.418	ug/L	97
44) trans-1,3-Dichloropropene	8.211	75	20703	5.144	ug/L	96

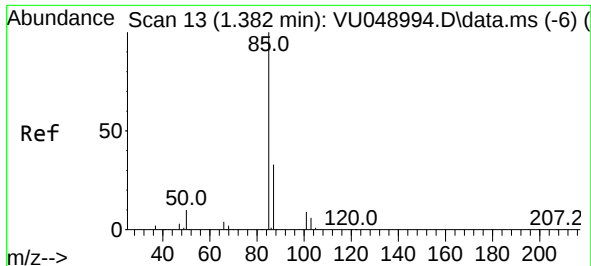
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
 Data File : VU048992.D
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 Quant Title : VOC Analysis
 QLast Update : Fri Jun 10 22:26:18 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	15401	6.257	ug/L	95
46) Tetrachloroethene	8.555	164	11185	5.523	ug/L	98
48) 2-Hexanone	8.684	43	36463	11.784	ug/L	94
49) Dibromochloromethane	8.813	129	15848	5.159	ug/L	89
50) 1,2-Dibromoethane	8.925	107	15262	5.467	ug/L	100
51) Chlorobenzene	9.449	112	38289	5.563	ug/L	98
52) Ethylbenzene	9.571	91	56512	5.022	ug/L	98
53) m,p-Xylene	9.694	106	20902	4.634	ug/L	99
54) o-Xylene	10.102	106	21744	5.004	ug/L	95
55) Styrene	10.115	104	33603	4.474	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.784	83	27139	6.278	ug/L	96
59) Bromoform	10.292	173	12252	5.871	ug/L #	97
60) 1,2,3-Trichloropropane	10.822	75	23100	7.441	ug/L	97
61) Isopropylbenzene	10.484	105	54689	5.789	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	43350	7.268	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	35041	4.456	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	28331	5.918	ug/L	93
65) 1,4-Dichlorobenzene	11.838	146	29860	6.015	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	28991	5.872	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.996	75	6994	5.989	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	19670	5.244	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	16579	4.946	ug/L	97
71) Naphthalene	14.089	128	66975	5.981	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	18949	5.569	ug/L	98

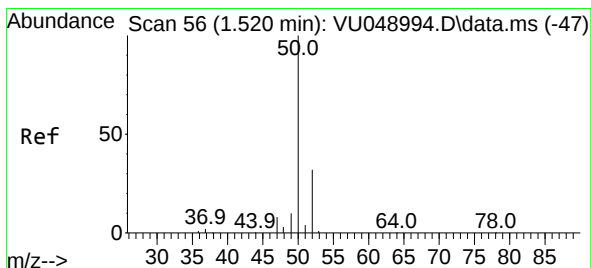
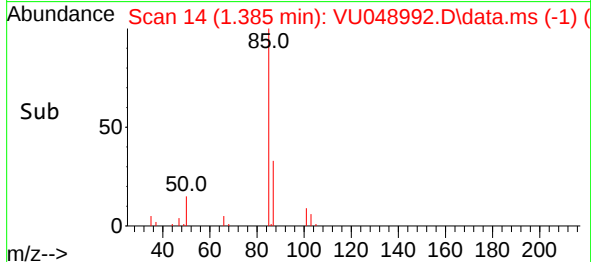
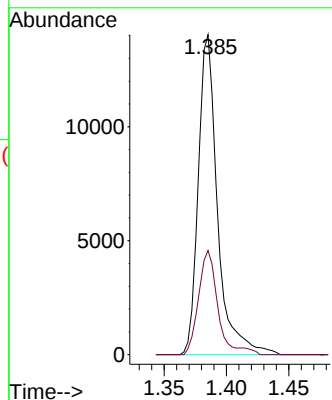
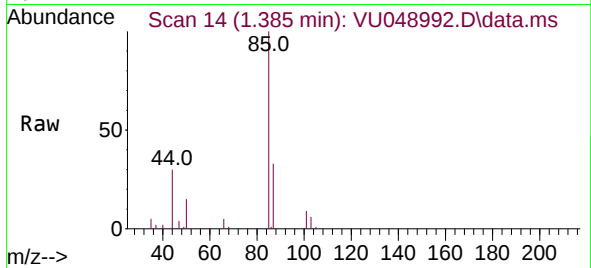
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#2
Dichlorodifluoromethane
Concen: 4.408 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

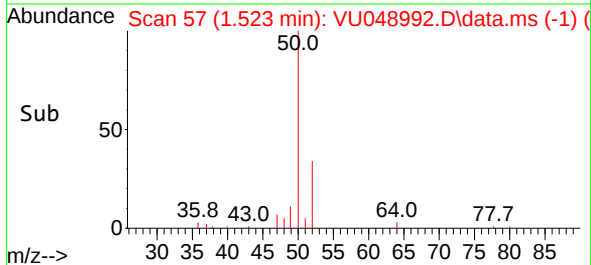
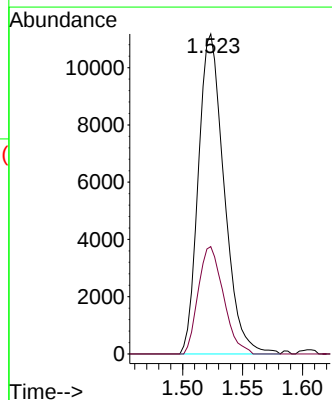
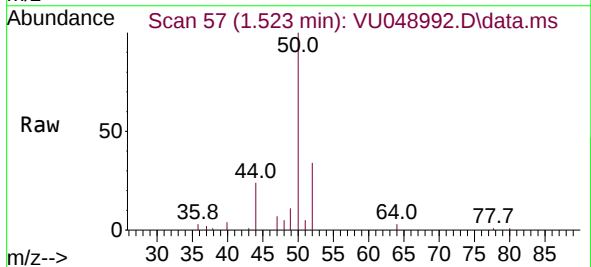
Instrument :
MSVOA_U
ClientSampleId :
VSTD005074

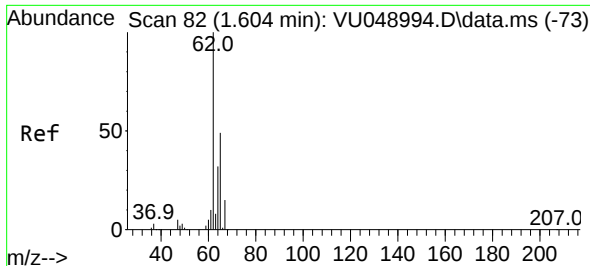
Tgt Ion: 85 Resp: 15044
Ion Ratio Lower Upper
85 100
87 31.3 26.3 39.5



#3
Chloromethane
Concen: 7.111 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

Tgt Ion: 50 Resp: 16699
Ion Ratio Lower Upper
50 100
52 33.5 22.7 42.1

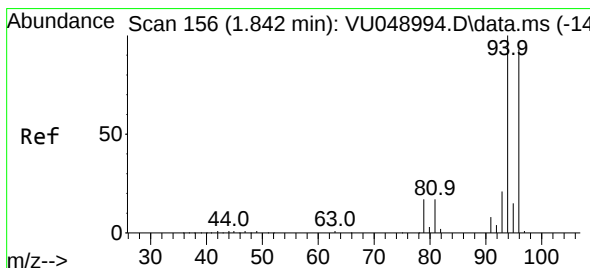
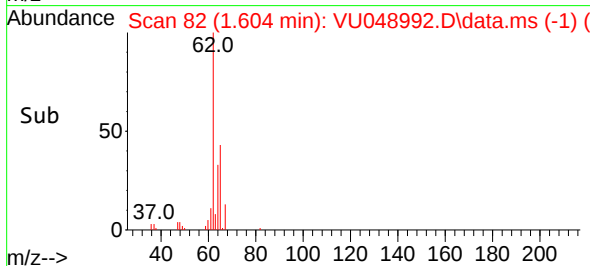
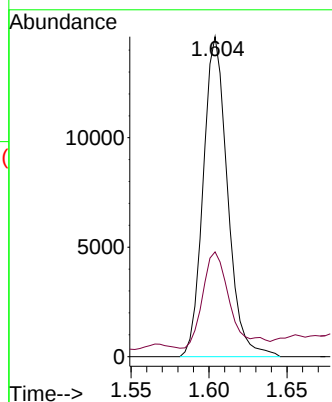
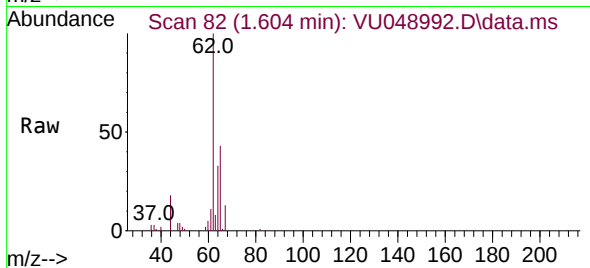




#5
 Vinyl chloride
 Concen: 6.499 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU048992.D
 Acq: 10 Jun 2022 12:46

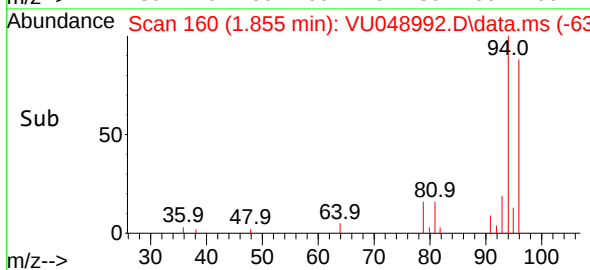
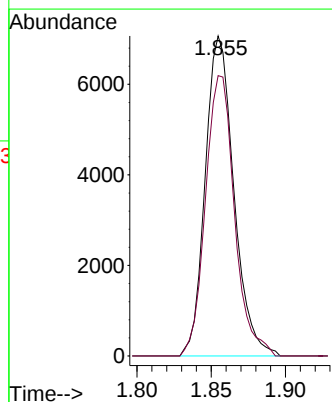
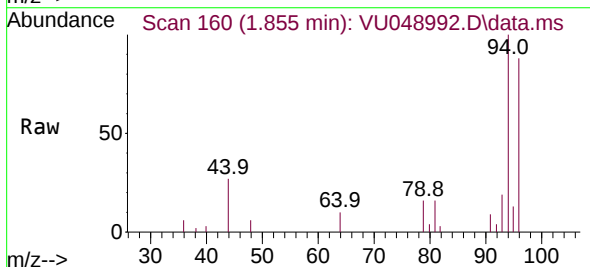
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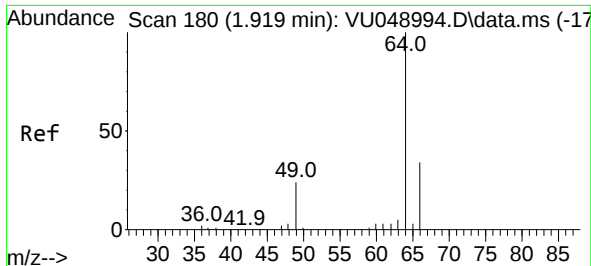
Tgt Ion: 62 Resp: 15872
 Ion Ratio Lower Upper
 62 100
 64 32.7 22.7 42.3



#6
 Bromomethane
 Concen: 5.748 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. 0.013 min
 Lab File: VU048992.D
 Acq: 10 Jun 2022 12:46

Tgt Ion: 94 Resp: 9479
 Ion Ratio Lower Upper
 94 100
 96 87.6 65.1 120.9





#8

Chloroethane

Concen: 6.741 ug/L

RT: 1.932 min Scan# 11

Delta R.T. 0.013 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

Instrument :

MSVOA_U

ClientSampleId :

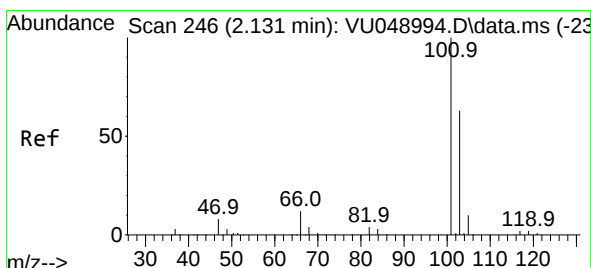
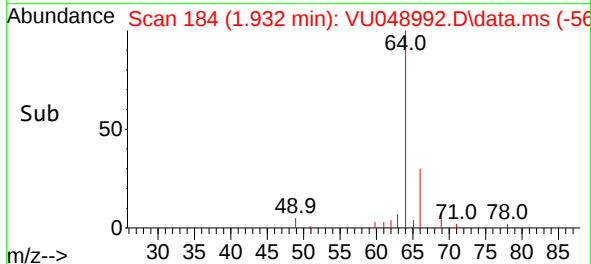
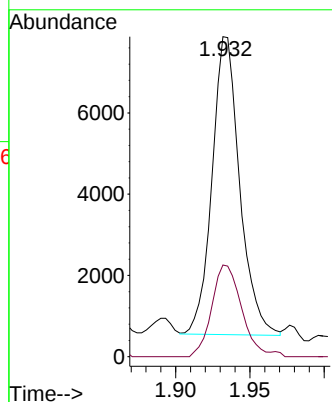
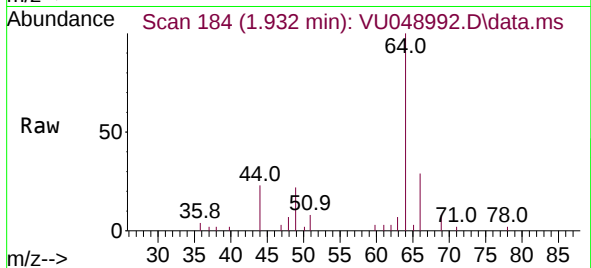
VSTD005074

Tgt Ion: 64 Resp: 9514

Ion Ratio Lower Upper

64 100

66 28.7 23.7 43.9



#9

Trichlorofluoromethane

Concen: 5.159 ug/L

RT: 2.141 min Scan# 249

Delta R.T. 0.010 min

Lab File: VU048992.D

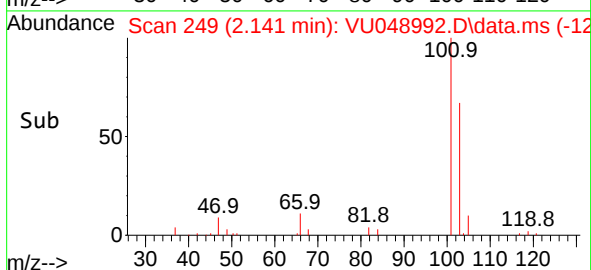
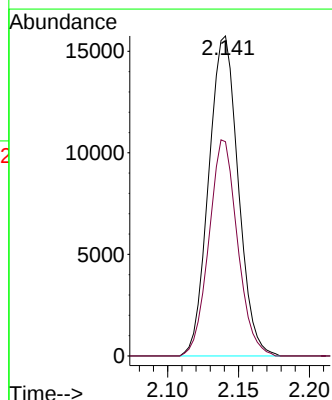
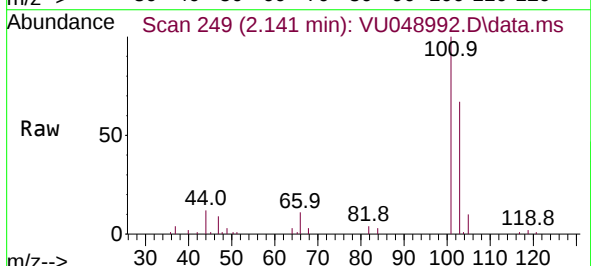
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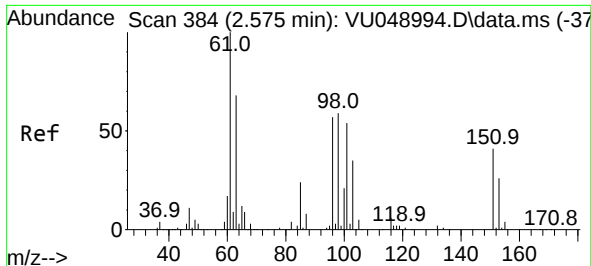
Tgt Ion: 101 Resp: 22861

Ion Ratio Lower Upper

101 100

103 65.3 51.3 76.9





#10

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

Concen: 5.644 ug/L

RT: 2.581 min Scan# 386

Delta R.T. 0.007 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD005074

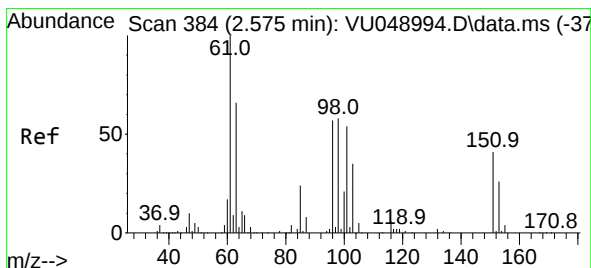
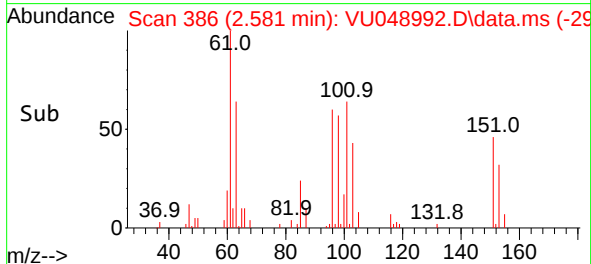
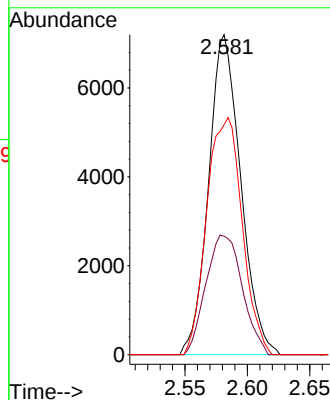
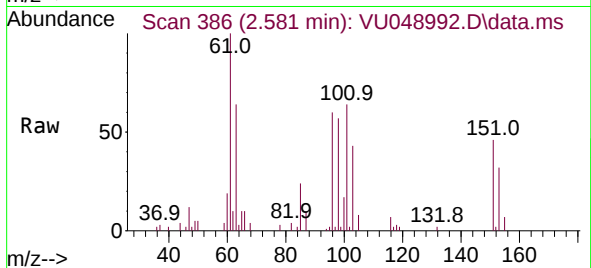
Tgt Ion:101 Resp: 12945

Ion Ratio Lower Upper

101 100

85 42.2 35.2 52.8

151 81.5 61.4 92.2



#12

1,1-Dichloroethene

Concen: 5.073 ug/L

RT: 2.581 min Scan# 386

Delta R.T. 0.007 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

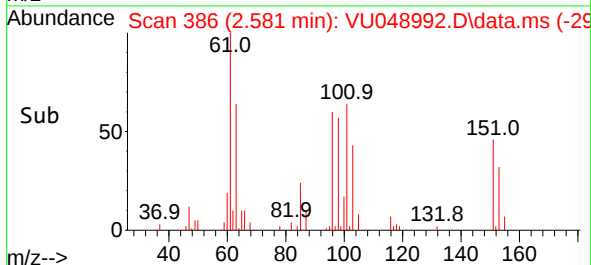
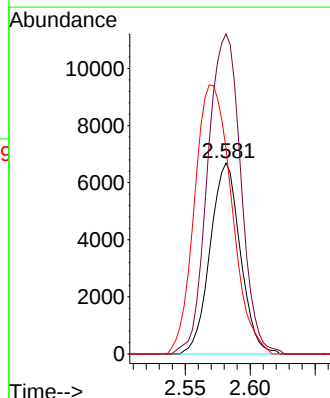
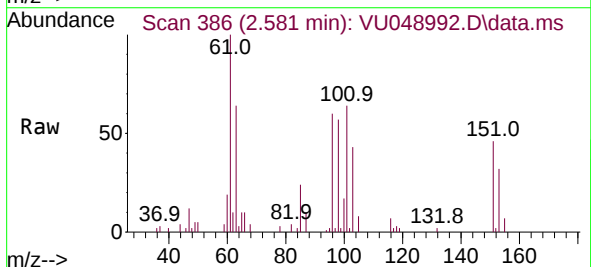
Tgt Ion: 96 Resp: 10782

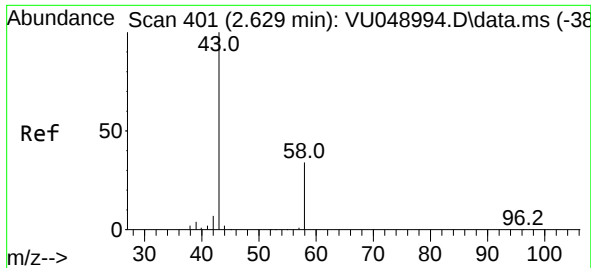
Ion Ratio Lower Upper

96 100

61 167.7 123.5 229.3

63 108.0 86.0 159.8





#13

Acetone

Concen: 13.433 ug/L

RT: 2.626 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

Instrument :

MSVOA_U

ClientSampleId :

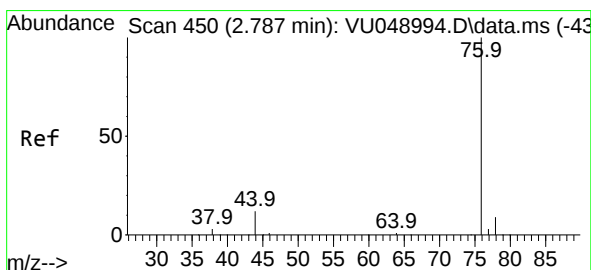
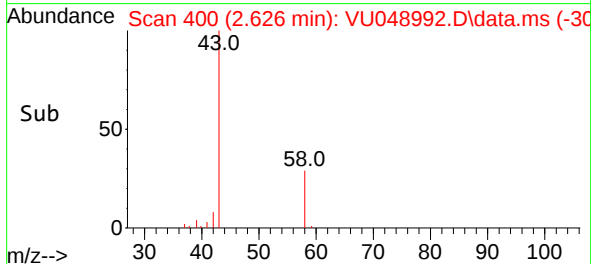
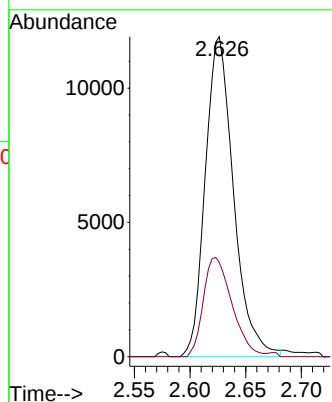
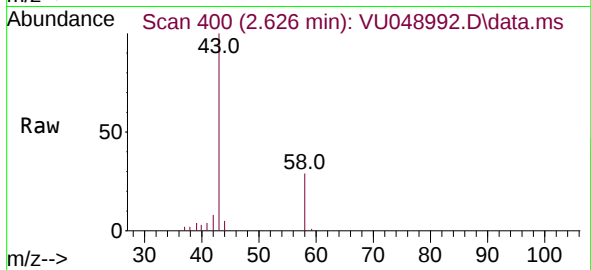
VSTD005074

Tgt Ion: 43 Resp: 21080

Ion Ratio Lower Upper

43 100

58 31.3 0.0 66.4



#14

Carbon disulfide

Concen: 4.900 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.006 min

Lab File: VU048992.D

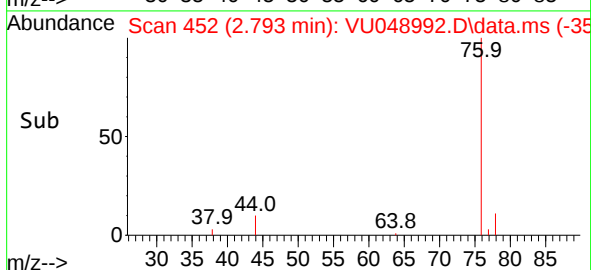
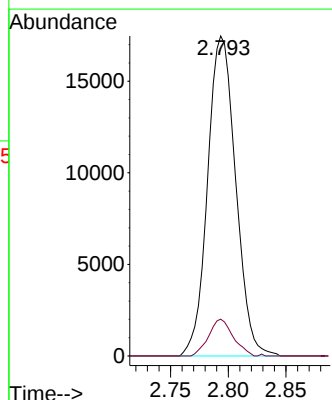
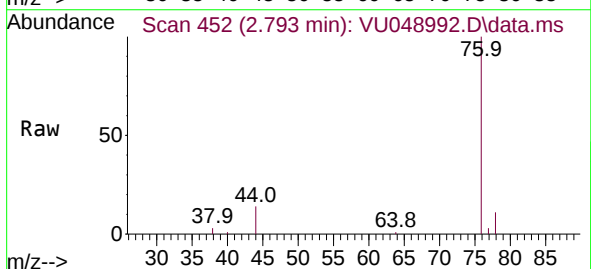
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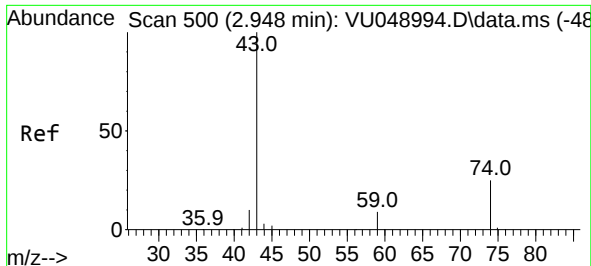
Tgt Ion: 76 Resp: 29561

Ion Ratio Lower Upper

76 100

78 11.5 7.1 10.7#

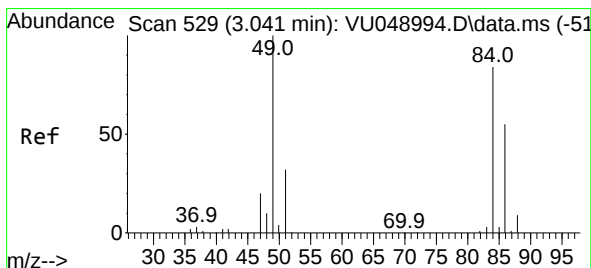
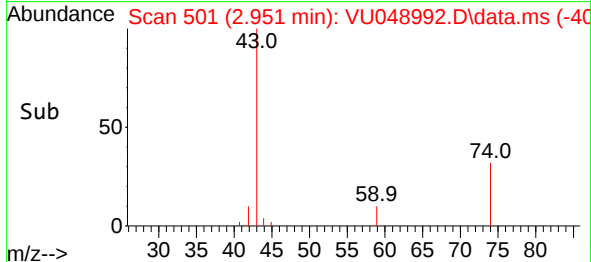
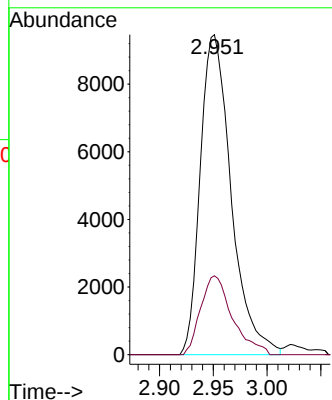
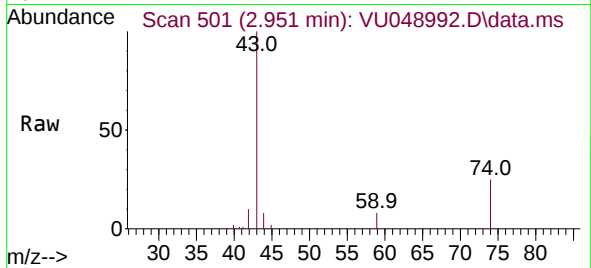




#15
Methyl Acetate
Concen: 6.715 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

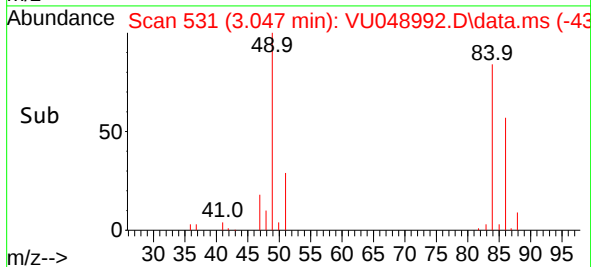
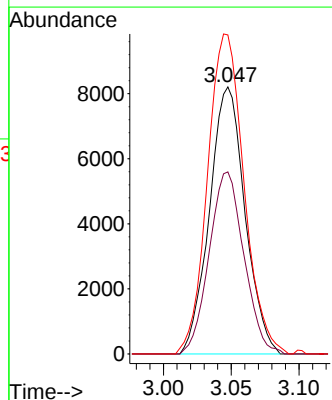
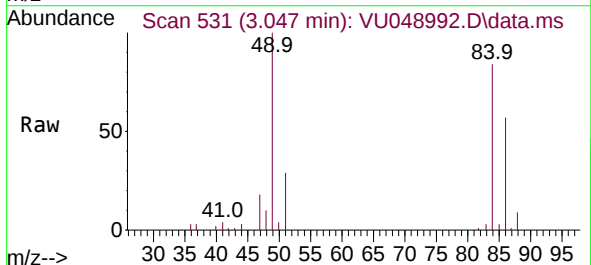
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MSVOA_U
ClientSampleId :
VSTD005074

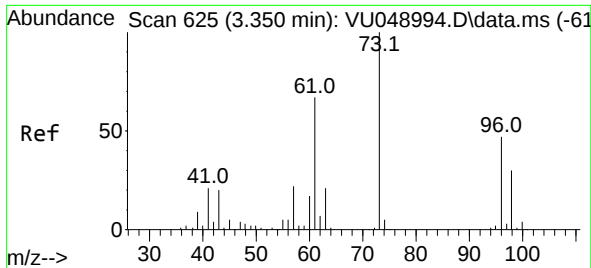
Tgt Ion: 43 Resp: 18934
Ion Ratio Lower Upper
43 100
74 25.3 19.0 28.6



#16
Methylene chloride
Concen: 5.935 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.007 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

Tgt Ion: 84 Resp: 14972
Ion Ratio Lower Upper
84 100
86 68.2 45.8 85.0
49 119.5 83.4 155.0

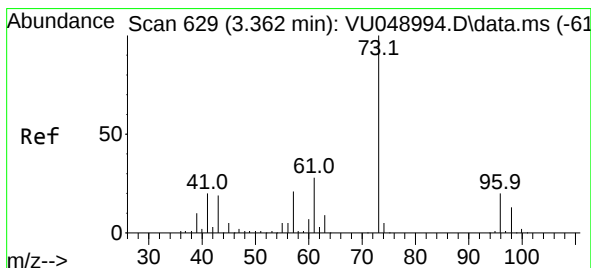
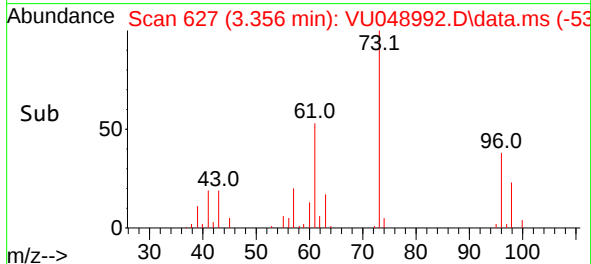
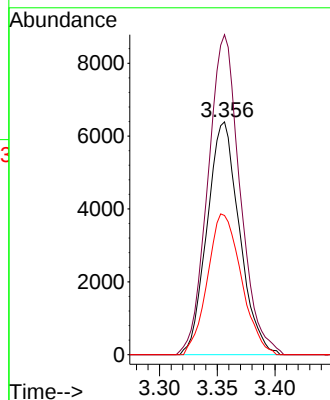
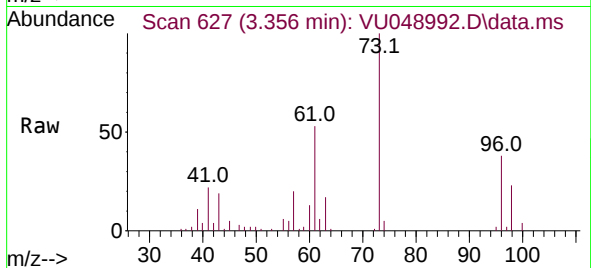




#17
trans-1,2-Dichloroethene
Concen: 5.403 ug/L
RT: 3.356 min Scan# 61
Delta R.T. 0.006 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

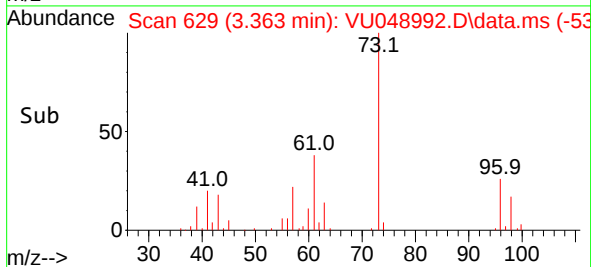
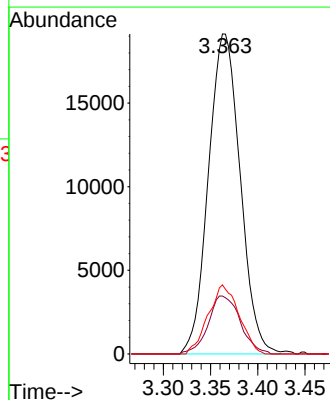
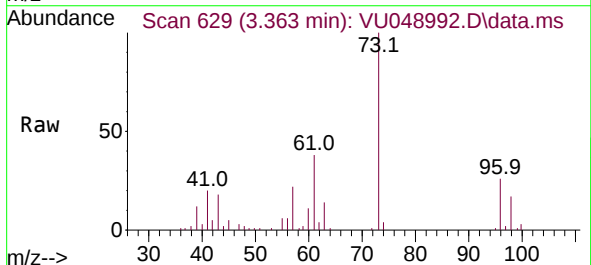
Instrument :
MSVOA_U
ClientSampleId :
VSTD005074

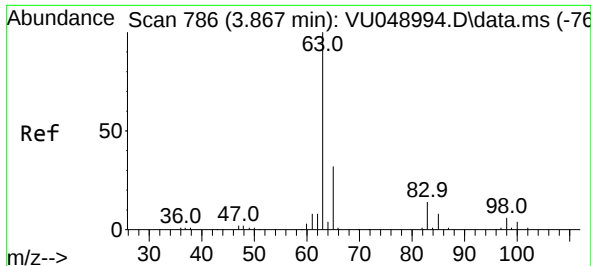
Tgt Ion: 96 Resp: 12436
Ion Ratio Lower Upper
96 100
61 137.4 99.3 184.3
98 59.8 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 5.527 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

Tgt Ion: 73 Resp: 44639
Ion Ratio Lower Upper
73 100
43 18.3 15.0 22.4
57 20.9 17.3 25.9

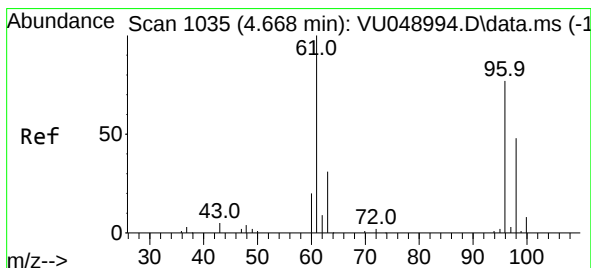
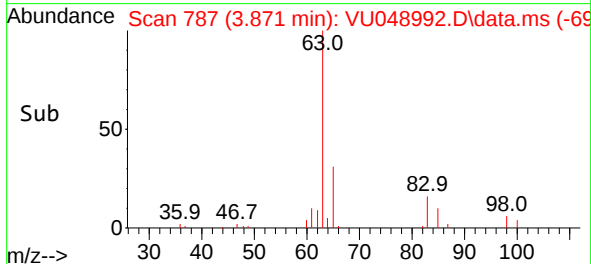
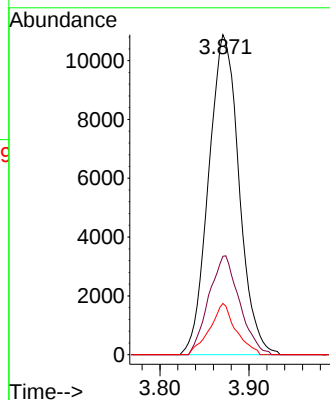
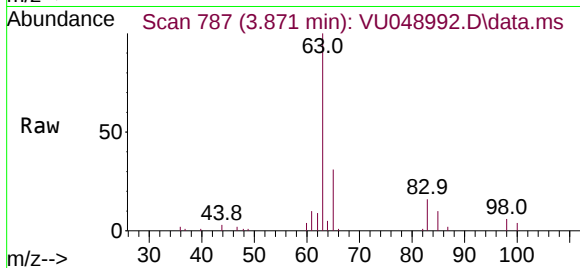




#19
1,1-Dichloroethane
Concen: 5.961 ug/L
RT: 3.871 min Scan# 786
Delta R.T. 0.003 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

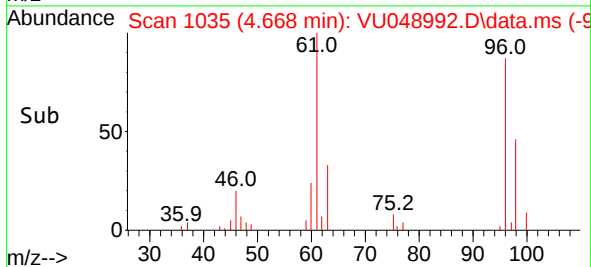
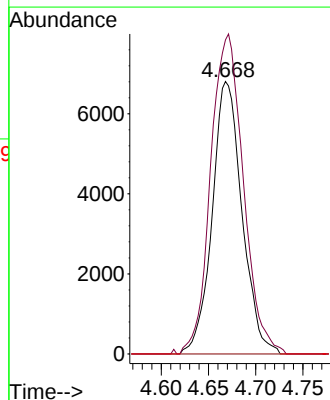
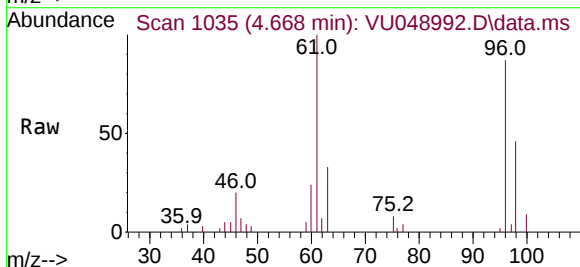
Instrument :
MSVOA_U
ClientSampleId :
VSTD005074

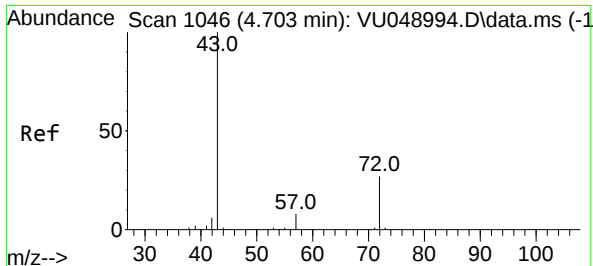
Tgt Ion:	63	Resp:	25815
Ion	Ratio	Lower	Upper
63	100		
65	30.7	22.3	41.5
83	16.0	9.5	17.7



#20
cis-1,2-Dichloroethene
Concen: 5.696 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

Tgt Ion:	96	Resp:	14933
Ion	Ratio	Lower	Upper
96	100		
61	115.3	91.6	170.2
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 13.194 ug/L

RT: 4.710 min Scan# 1046

Delta R.T. 0.006 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

Instrument :

MSVOA_U

ClientSampleId :

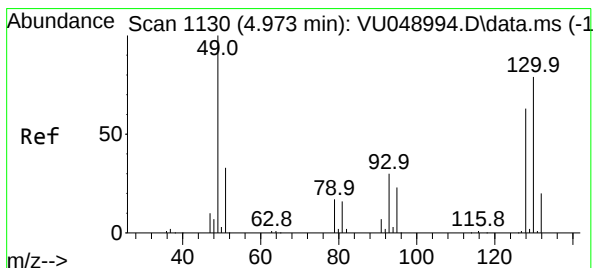
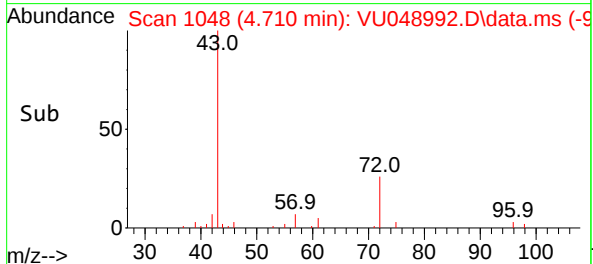
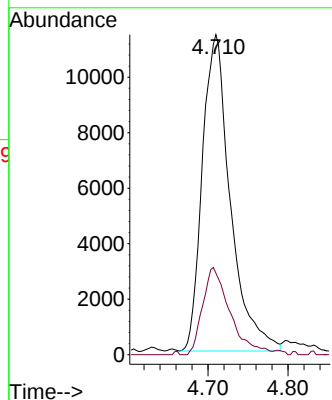
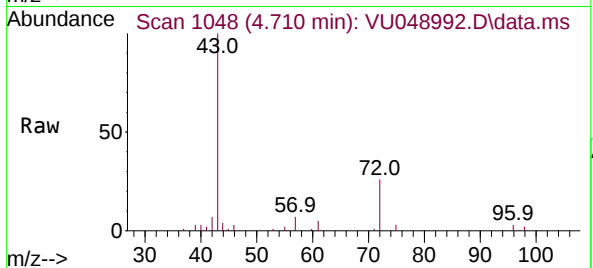
VSTD005074

Tgt Ion: 43 Resp: 27838

Ion Ratio Lower Upper

43 100

72 26.4 13.7 41.0



#23

Bromochloromethane

Concen: 5.227 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.007 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

Tgt Ion:128 Resp: 7542

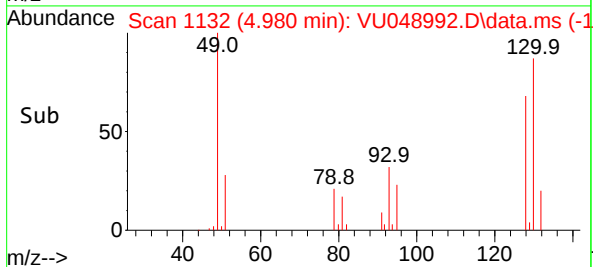
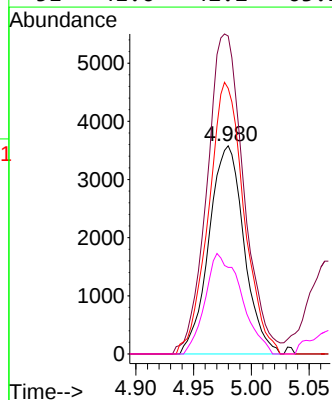
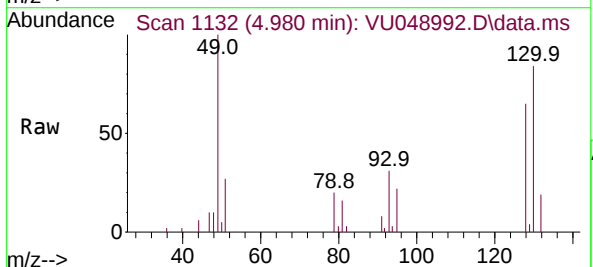
Ion Ratio Lower Upper

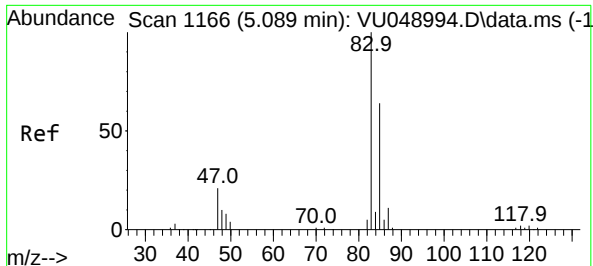
128 100

49 152.7 111.9 207.9

130 127.6 88.6 164.6

51 41.6 42.2 63.2#





#25

Chloroform

Concen: 5.377 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

Instrument :

MSVOA_U

ClientSampleId :

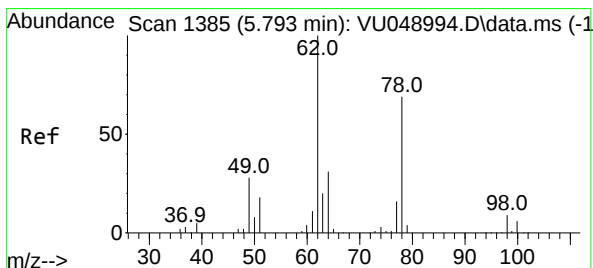
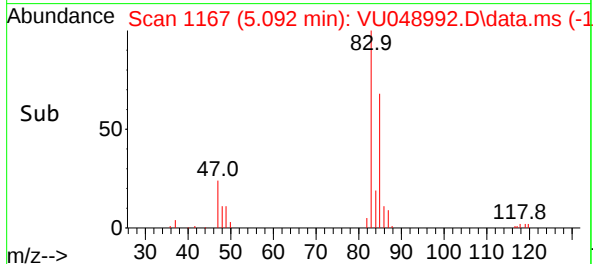
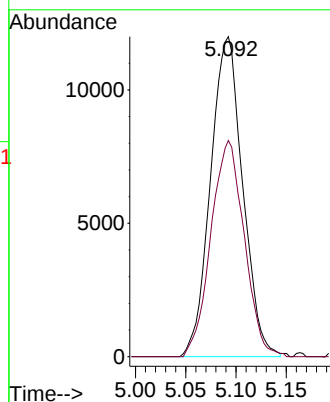
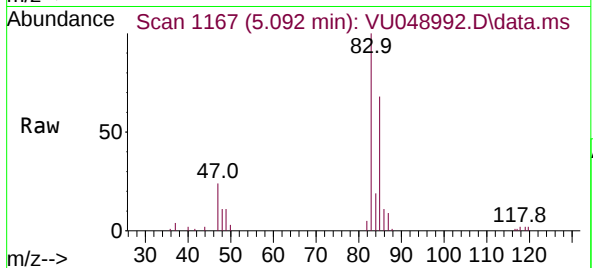
VSTD005074

Tgt Ion: 83 Resp: 26673

Ion Ratio Lower Upper

83 100

85 67.5 45.1 83.9



#27

1,2-Dichloroethane

Concen: 5.394 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.003 min

Lab File: VU048992.D

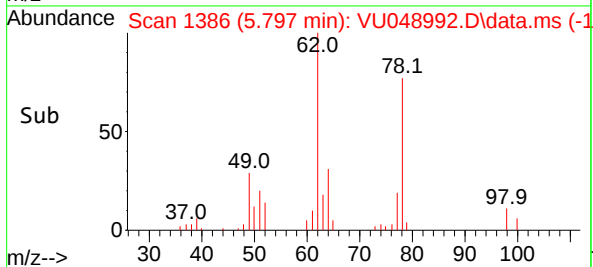
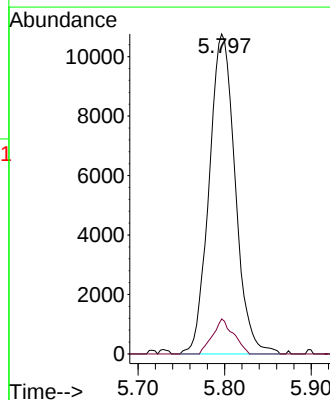
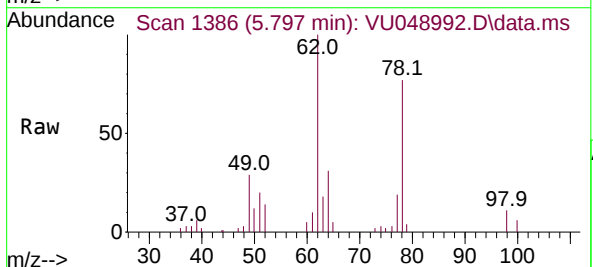
Acq: 10 Jun 2022 12:46

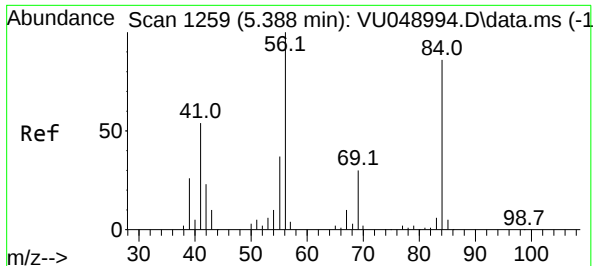
Tgt Ion: 62 Resp: 22524

Ion Ratio Lower Upper

62 100

98 10.9 7.0 10.4#





#29

Cyclohexane

Concen: 5.609 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.003 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD005074

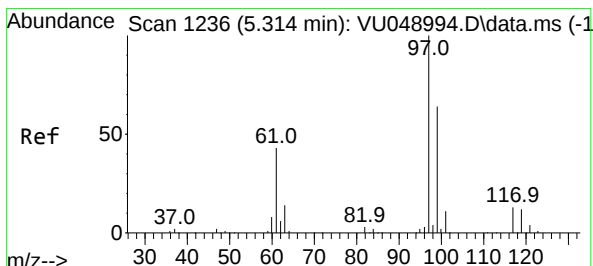
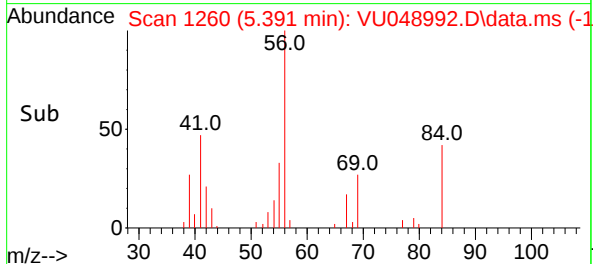
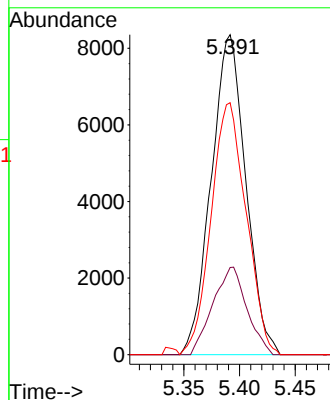
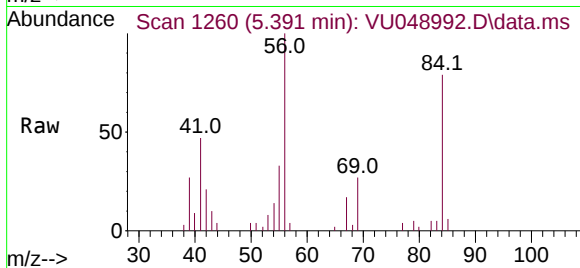
Tgt Ion: 56 Resp: 18057

Ion Ratio Lower Upper

56 100

69 26.9 24.6 36.8

84 79.8 69.7 104.5



#30

1,1,1-Trichloroethane

Concen: 5.055 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.007 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

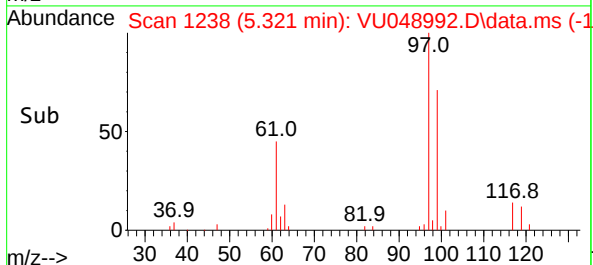
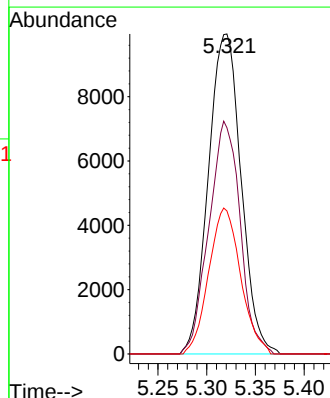
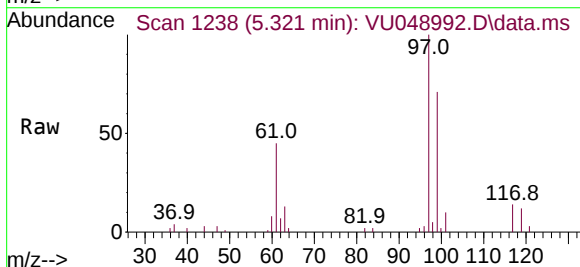
Tgt Ion: 97 Resp: 23234

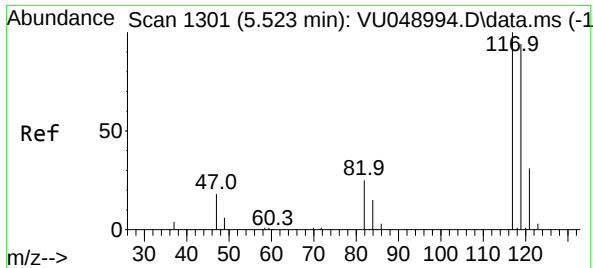
Ion Ratio Lower Upper

97 100

99 69.4 50.9 76.3

61 44.4 34.2 51.2

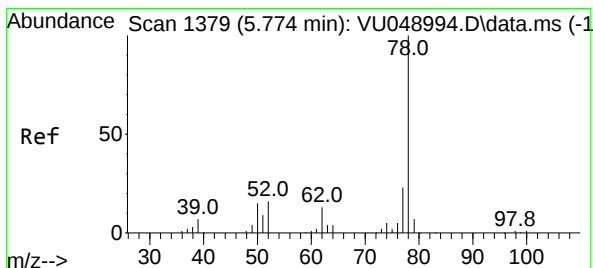
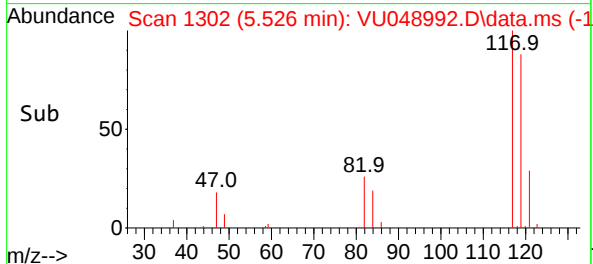
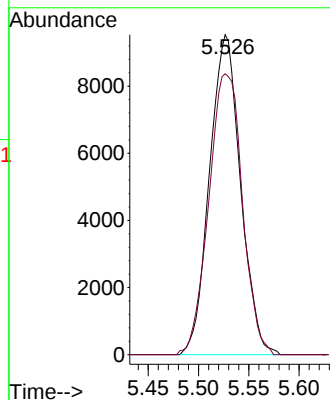
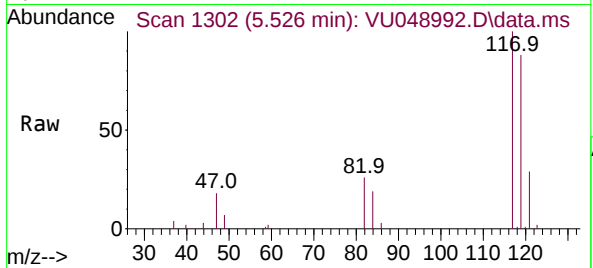




#31
Carbon tetrachloride
Concen: 4.932 ug/L
RT: 5.526 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

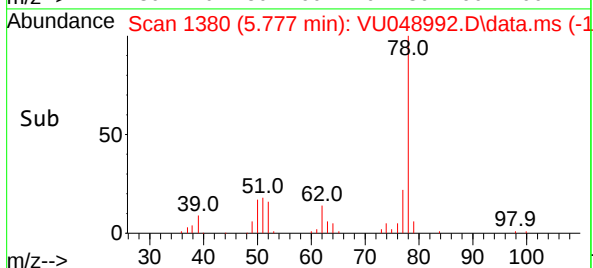
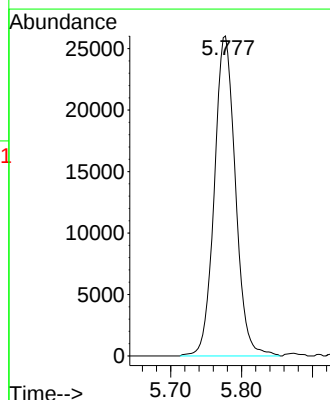
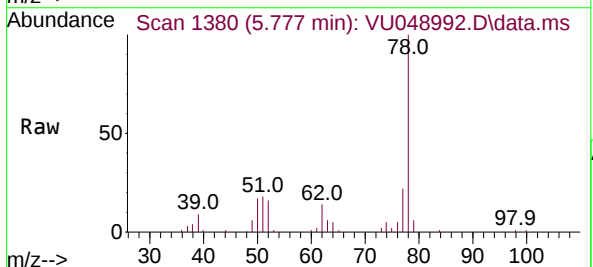
Instrument :
MSVOA_U
ClientSampleId :
VSTD005074

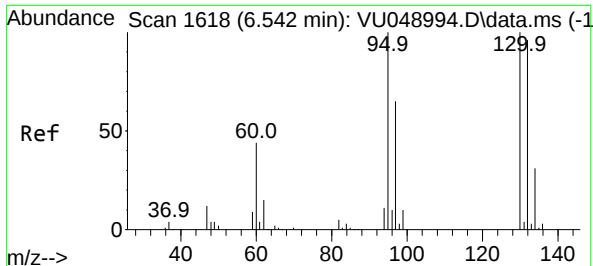
Tgt Ion:117 Resp: 20438
Ion Ratio Lower Upper
117 100
119 95.1 76.5 114.7



#33
Benzene
Concen: 5.836 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

Tgt Ion: 78 Resp: 53781



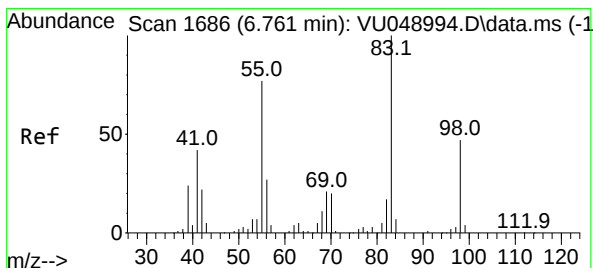
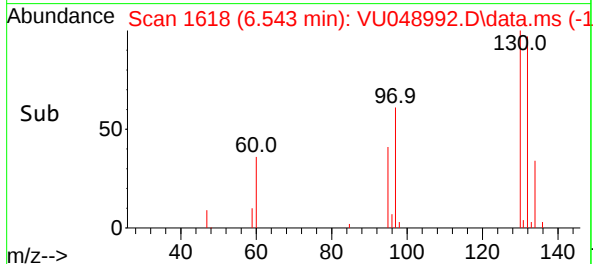
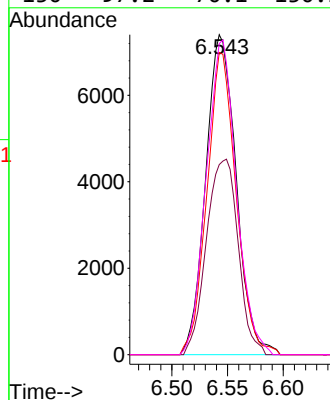
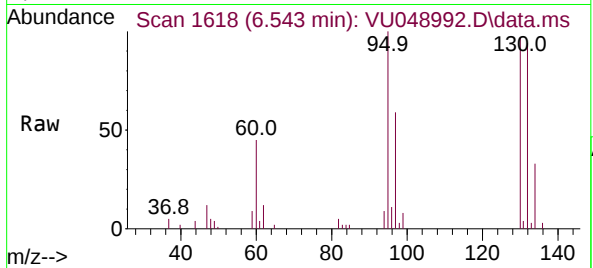


#34
Trichloroethene
Concen: 5.554 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD005074

Tgt Ion: 95 Resp: 14114

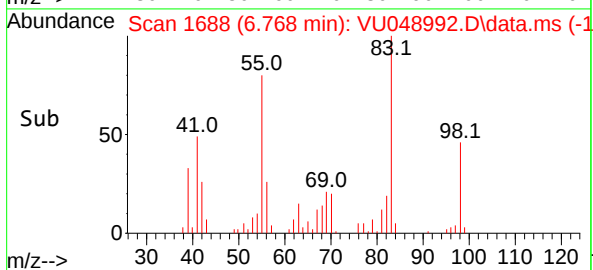
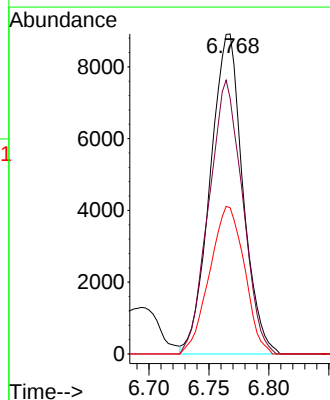
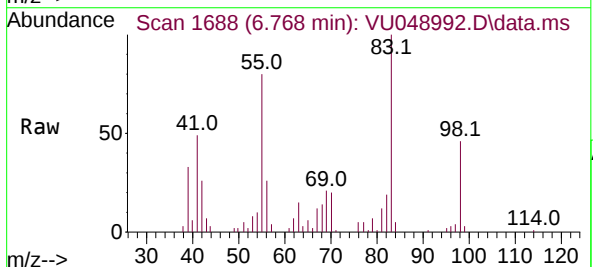
Ion	Ratio	Lower	Upper
95	100		
97	59.4	45.4	84.4
132	94.4	67.6	125.6
130	97.2	70.1	130.3

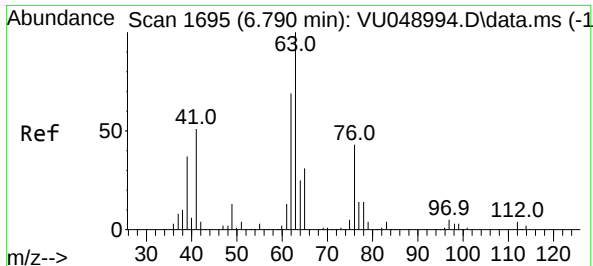


#35
Methylcyclohexane
Concen: 4.651 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.006 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

Tgt Ion: 83 Resp: 16900

Ion	Ratio	Lower	Upper
83	100		
55	87.9	61.0	91.6
98	49.0	36.8	55.2





#37

1,2-Dichloropropane

Concen: 6.703 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

Instrument :

MSVOA_U

ClientSampleId :

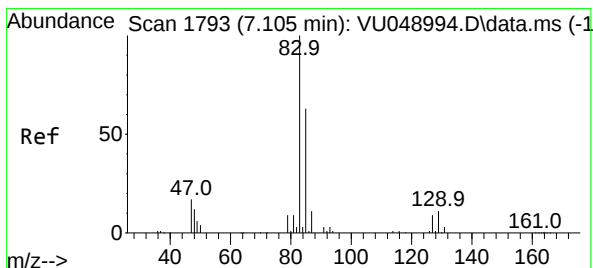
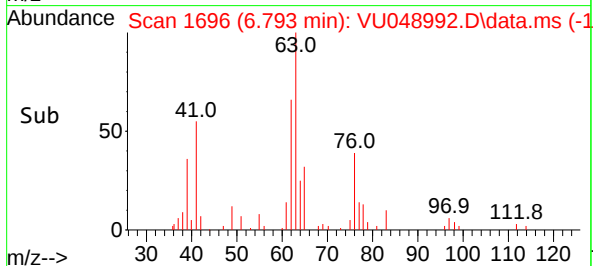
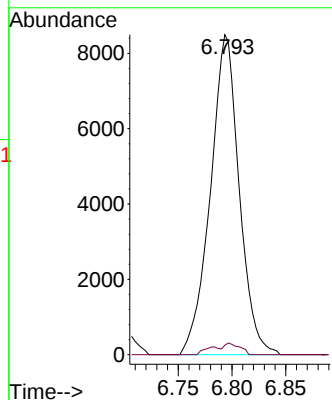
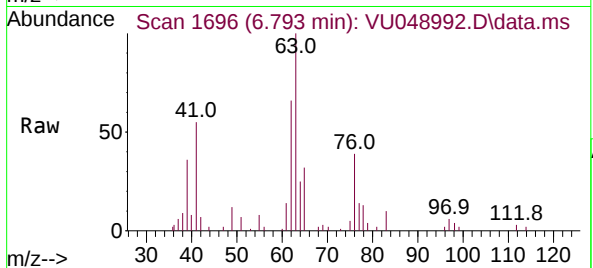
VSTD005074

Tgt Ion: 63 Resp: 15818

Ion Ratio Lower Upper

63 100

112 1.9 3.2 4.8#



#38

Bromodichloromethane

Concen: 5.517 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

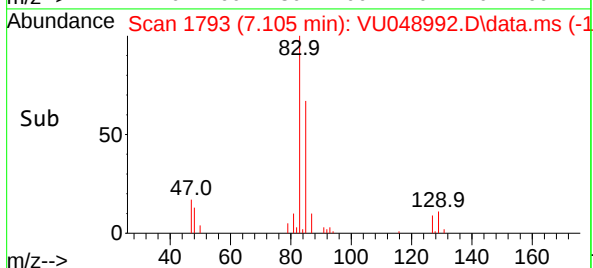
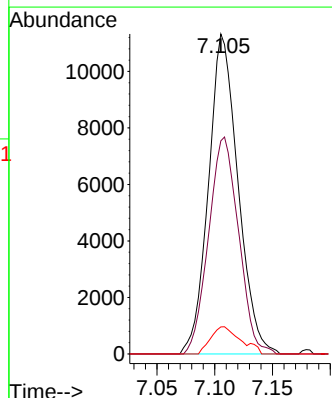
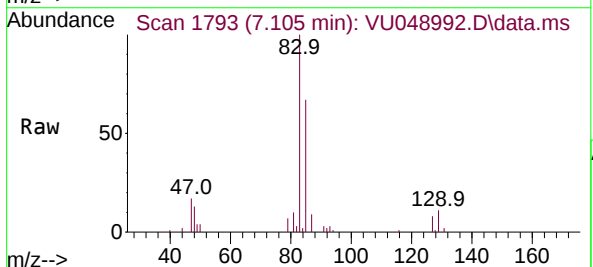
Tgt Ion: 83 Resp: 20142

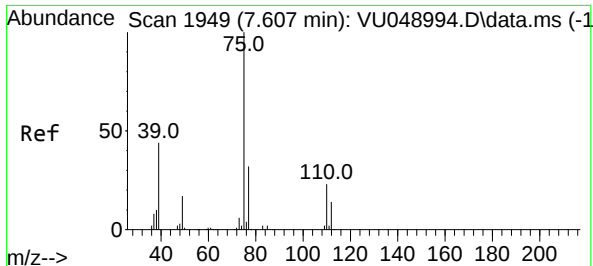
Ion Ratio Lower Upper

83 100

85 66.6 44.0 81.6

127 8.4 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.552 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

Instrument :

MSVOA_U

ClientSampleId :

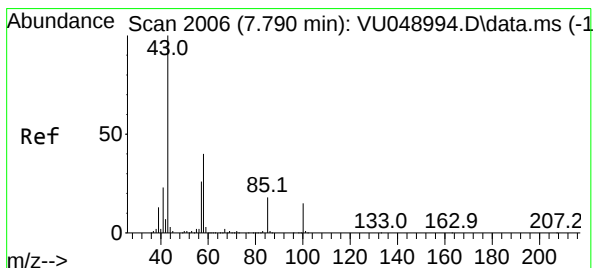
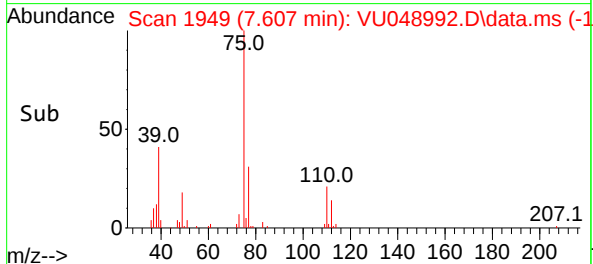
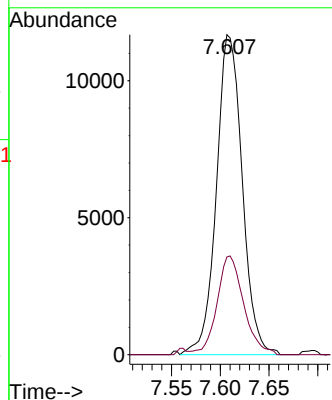
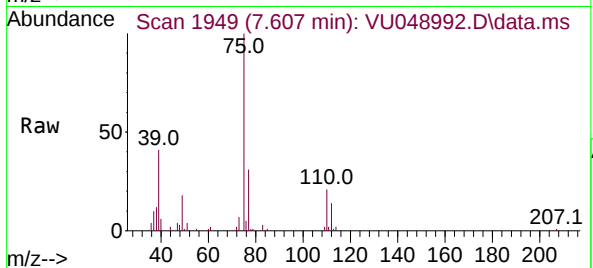
VSTD005074

Tgt Ion: 75 Resp: 21573

Ion Ratio Lower Upper

75 100

77 30.5 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 12.684 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

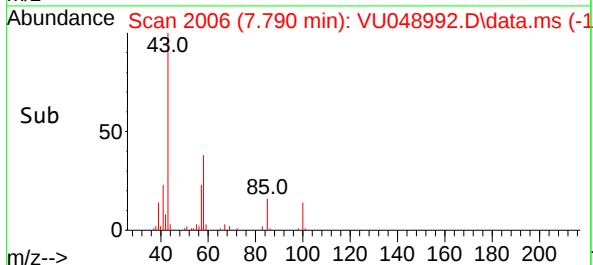
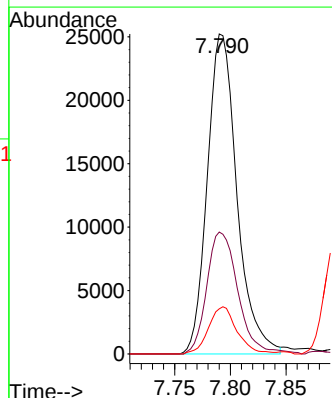
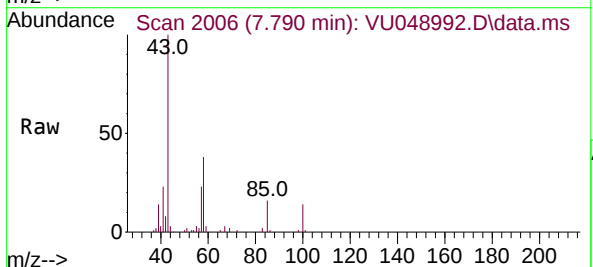
Tgt Ion: 43 Resp: 46724

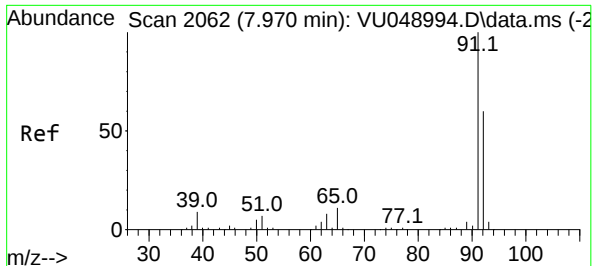
Ion Ratio Lower Upper

43 100

58 40.0 32.2 48.4

100 14.1 12.3 18.5





#42

Toluene

Concen: 5.418 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

Instrument :

MSVOA_U

ClientSampleId :

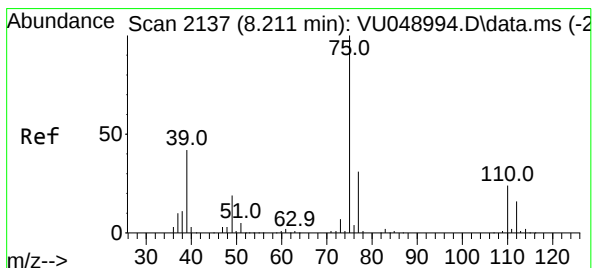
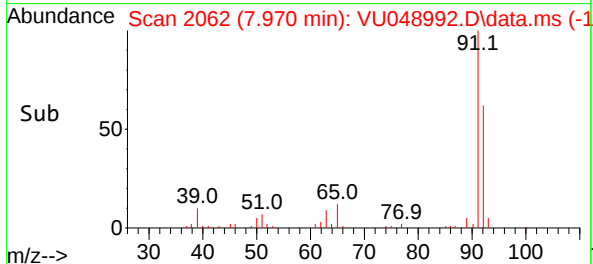
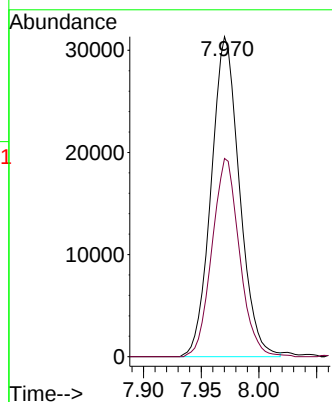
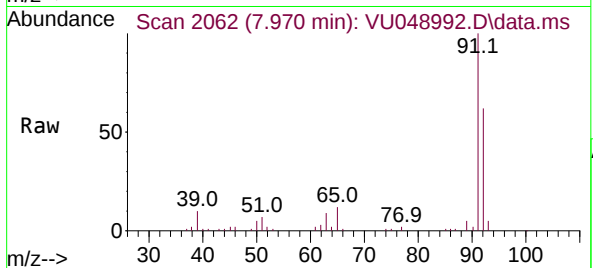
VSTD005074

Tgt Ion: 91 Resp: 53444

Ion Ratio Lower Upper

91 100

92 62.0 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 5.144 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU048992.D

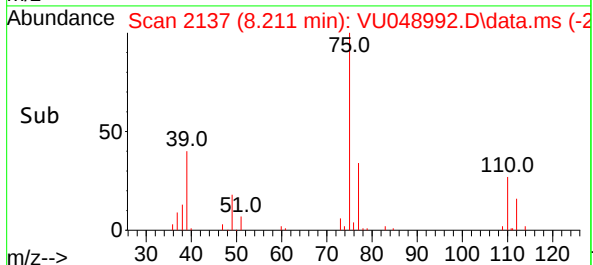
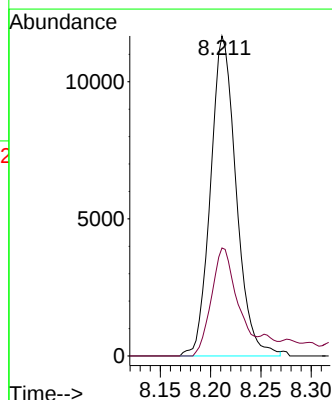
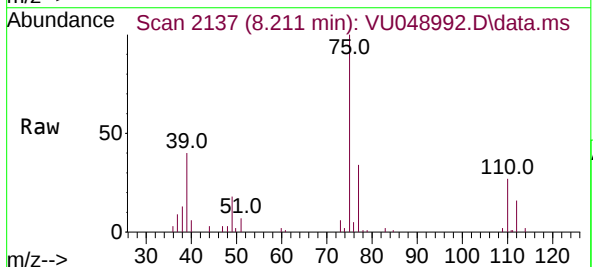
Acq: 10 Jun 2022 12:46

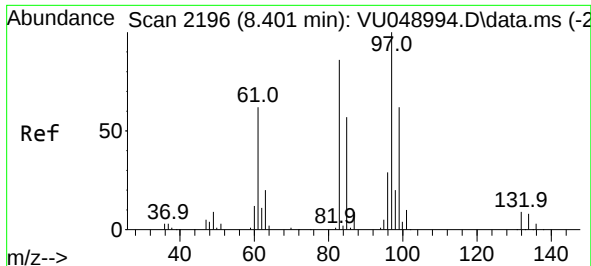
Tgt Ion: 75 Resp: 20703

Ion Ratio Lower Upper

75 100

77 33.7 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 6.257 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. 0.000 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD005074

Tgt Ion: 97 Resp: 15401

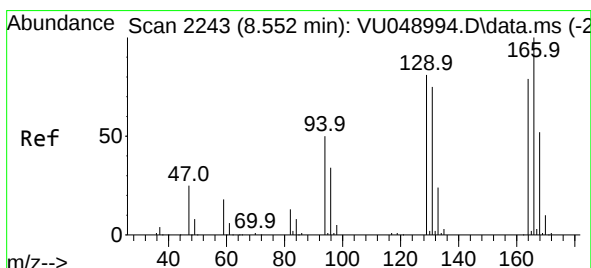
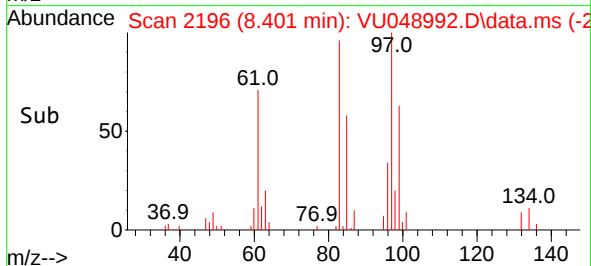
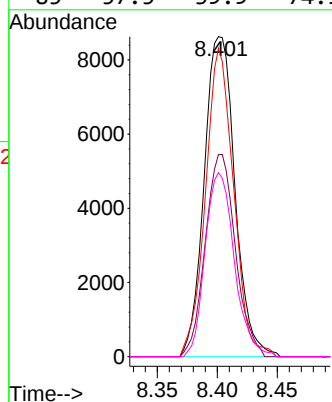
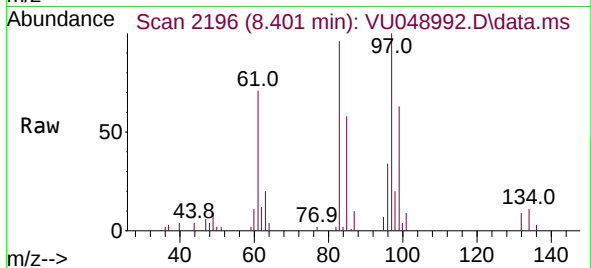
Ion Ratio Lower Upper

97 100

99 63.2 43.5 80.9

83 96.4 60.3 112.1

85 57.5 39.9 74.1



#46

Tetrachloroethene

Concen: 5.523 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.003 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

Tgt Ion: 164 Resp: 11185

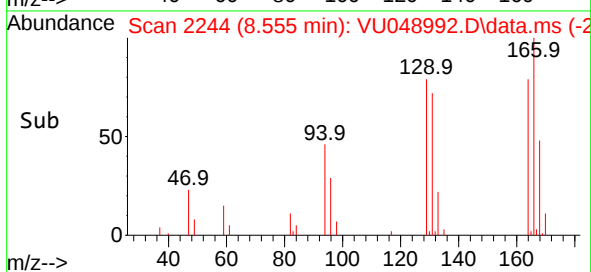
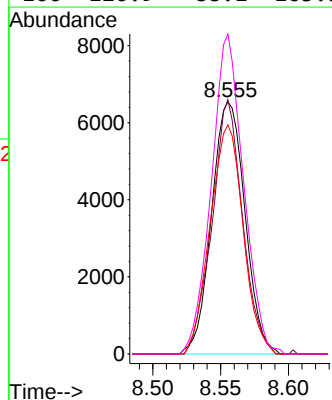
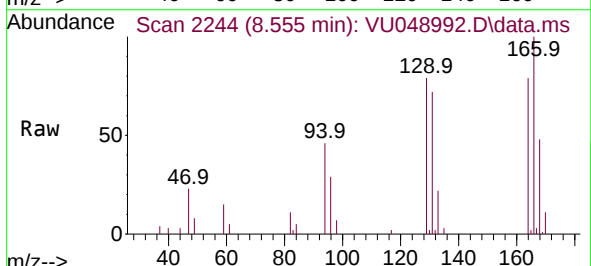
Ion Ratio Lower Upper

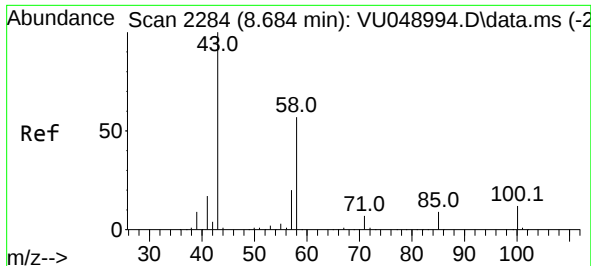
164 100

129 100.8 70.9 131.7

131 90.9 66.2 123.0

166 126.9 88.1 163.5

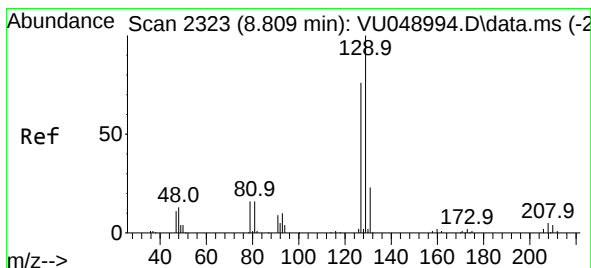
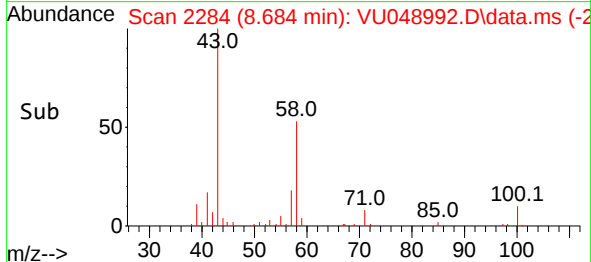
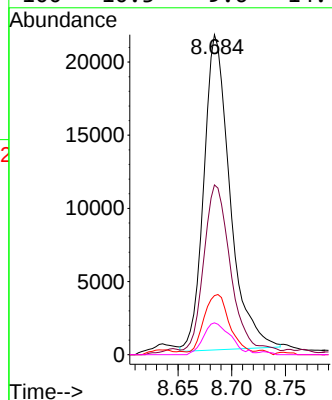
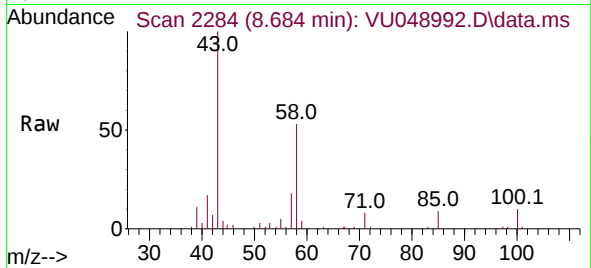




#48
2-Hexanone
Concen: 11.784 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

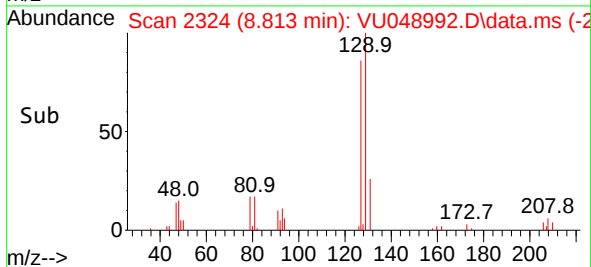
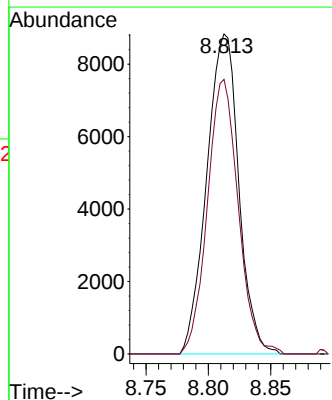
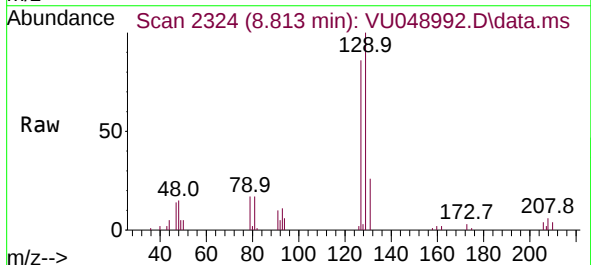
Instrument :
MSVOA_U
ClientSampleId :
VSTD005074

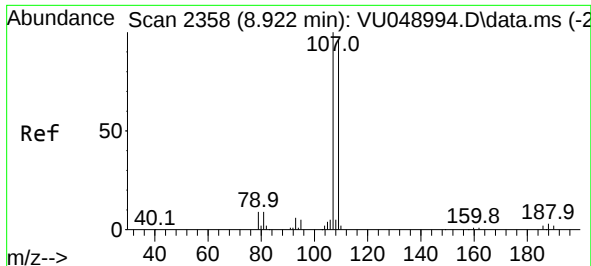
Tgt Ion: 43	Resp: 36463
Ion Ratio	Lower Upper
43 100	
58 52.5	45.8 68.8
57 18.4	16.2 24.4
100 10.3	9.6 14.4



#49
Dibromochloromethane
Concen: 5.159 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

Tgt Ion:129	Resp:	15848	
Ion	Ratio	Lower	Upper
129	100		
127	85.8	53.5	99.5





#50

1,2-Dibromoethane

Concen: 5.467 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD005074

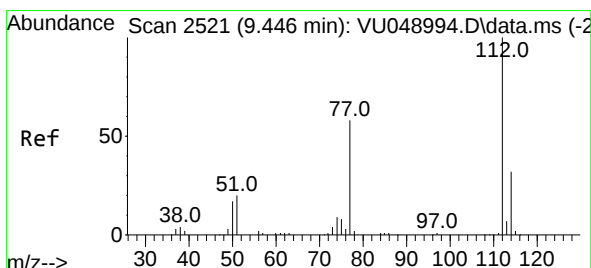
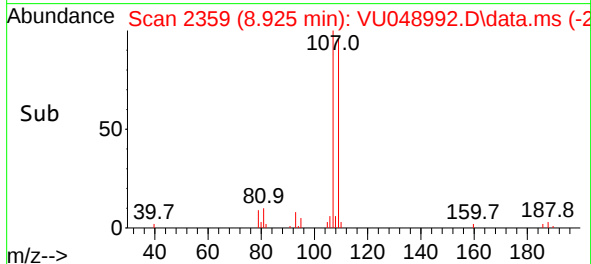
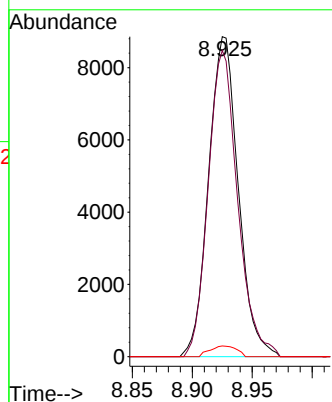
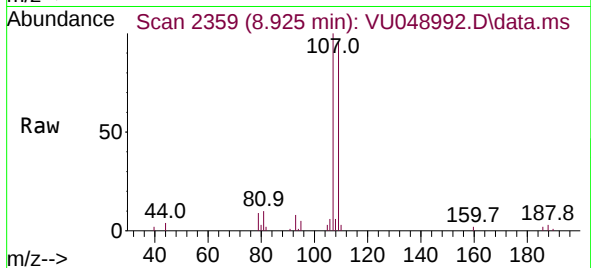
Tgt Ion:107 Resp: 15262

Ion Ratio Lower Upper

107 100

109 95.7 67.2 124.8

188 3.4 2.7 4.1



#51

Chlorobenzene

Concen: 5.563 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.003 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

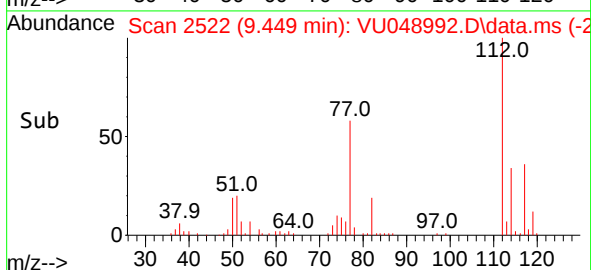
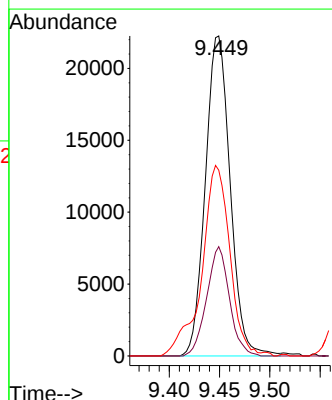
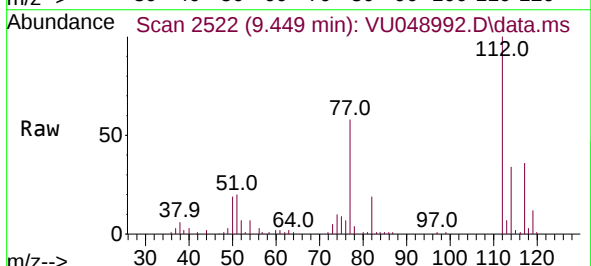
Tgt Ion:112 Resp: 38289

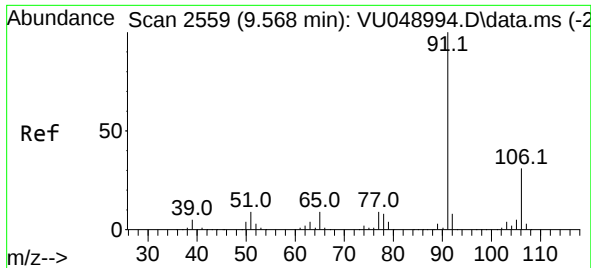
Ion Ratio Lower Upper

112 100

114 34.1 22.3 41.3

77 58.0 47.1 70.7

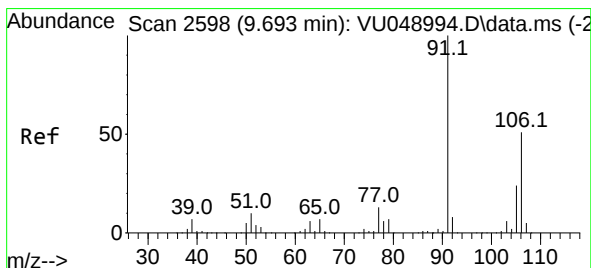
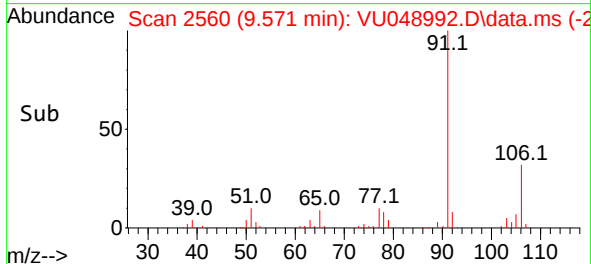
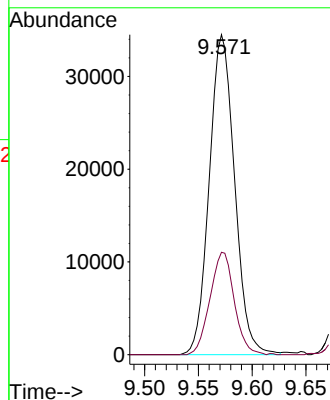
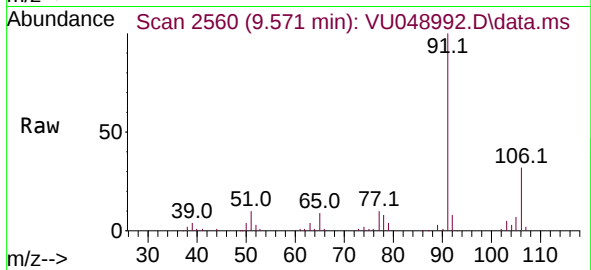




#52
Ethylbenzene
Concen: 5.022 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

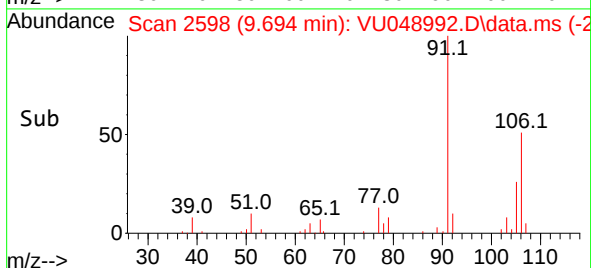
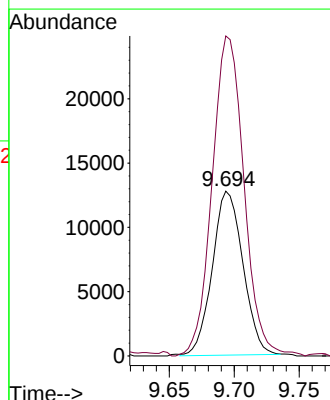
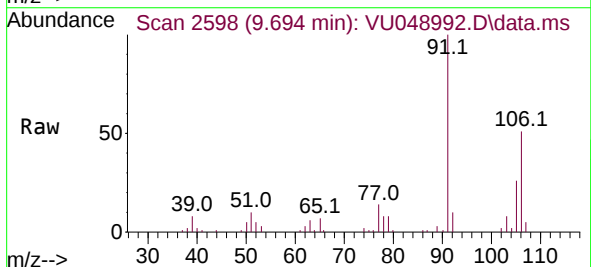
Instrument :
MSVOA_U
ClientSampleId :
VSTD005074

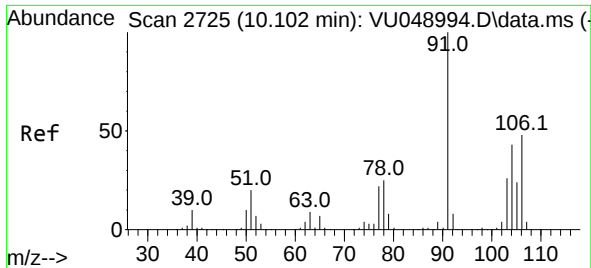
Tgt Ion: 91 Resp: 56512
Ion Ratio Lower Upper
91 100
106 32.0 21.6 40.2



#53
m,p-Xylene
Concen: 4.634 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

Tgt Ion:106 Resp: 20902
Ion Ratio Lower Upper
106 100
91 194.2 137.4 255.2

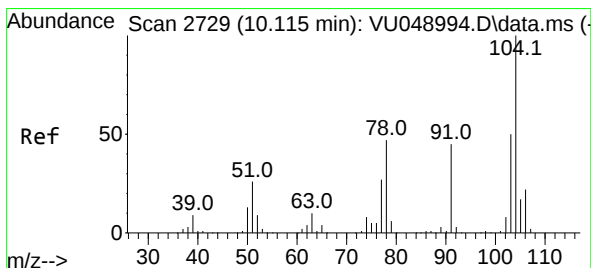
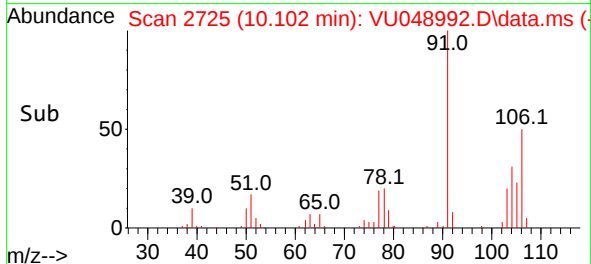
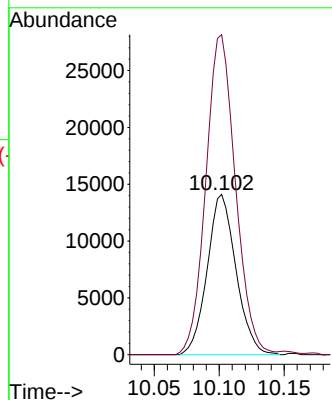
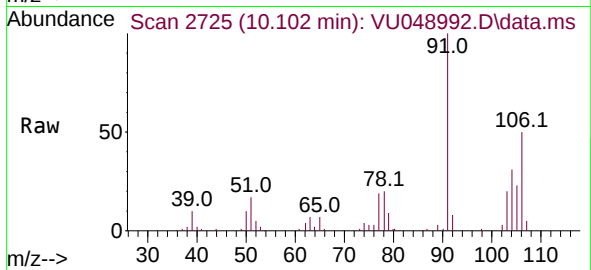




#54
o-Xylene
Concen: 5.004 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

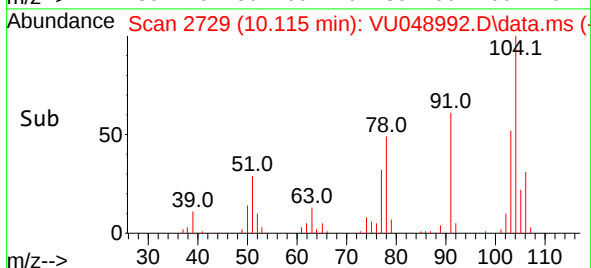
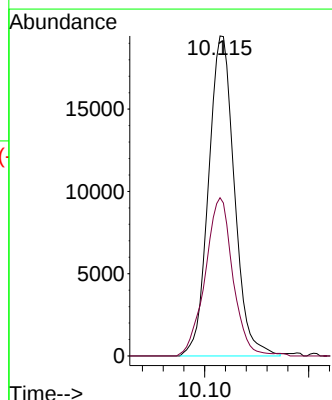
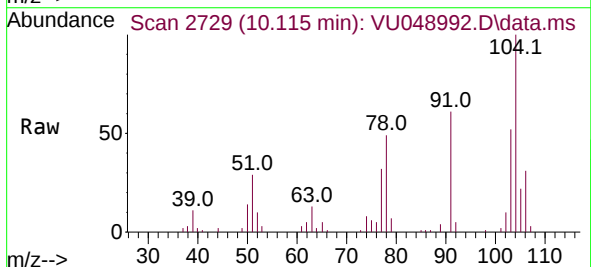
Instrument :
MSVOA_U
ClientSampleId :
VSTD005074

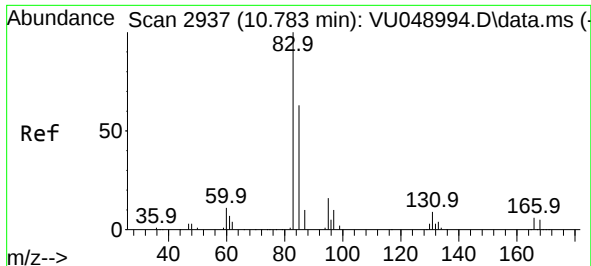
Tgt Ion:106 Resp: 21744
Ion Ratio Lower Upper
106 100
91 199.6 145.2 269.6



#55
Styrene
Concen: 4.474 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

Tgt Ion:104 Resp: 33603
Ion Ratio Lower Upper
104 100
78 49.4 32.6 60.6





#57

1,1,2,2-Tetrachloroethane

Concen: 6.278 ug/L

RT: 10.784 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD005074

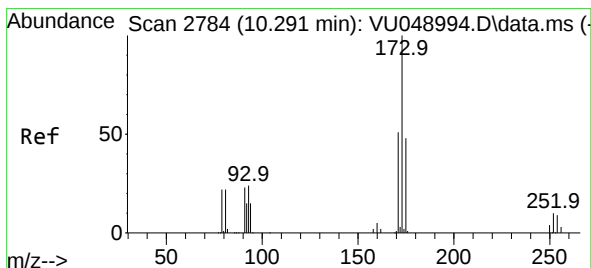
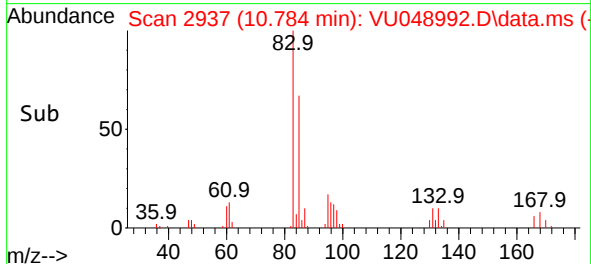
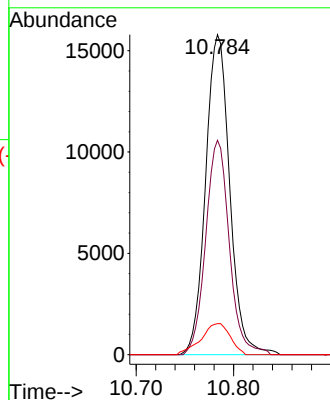
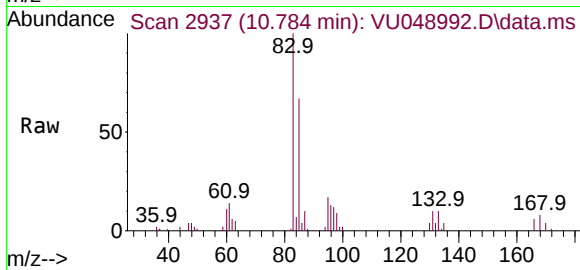
Tgt Ion: 83 Resp: 27139

Ion Ratio Lower Upper

83 100

85 67.0 44.5 82.7

131 9.7 7.6 11.4



#59

Bromoform

Concen: 5.871 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

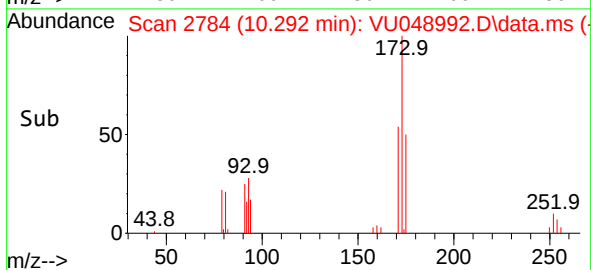
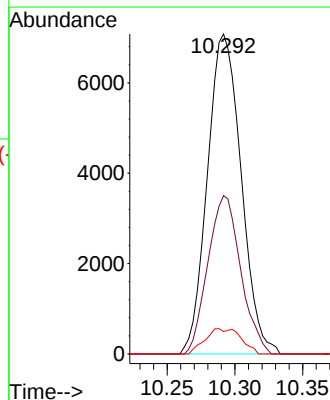
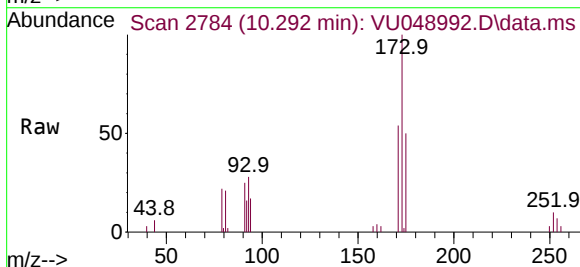
Tgt Ion:173 Resp: 12252

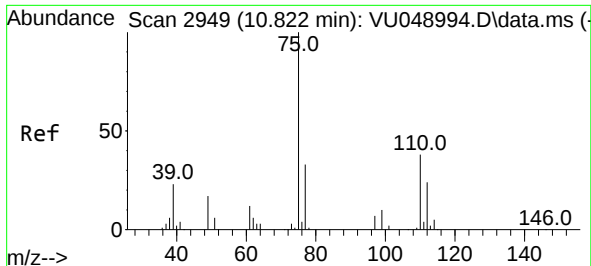
Ion Ratio Lower Upper

173 100

175 48.1 37.8 56.8

254 4.6 7.2 10.8#

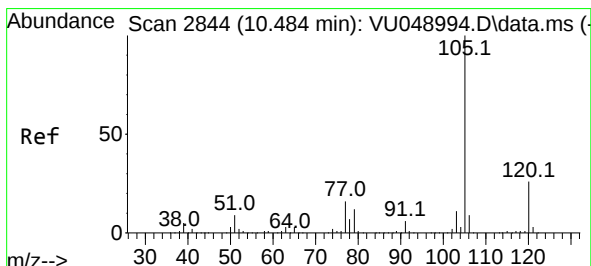
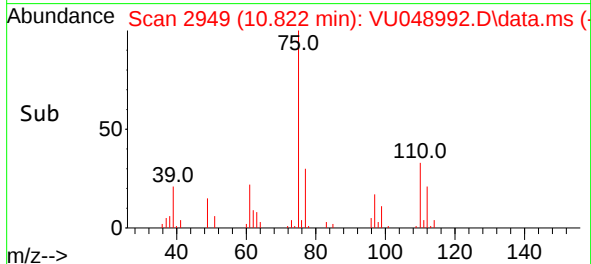
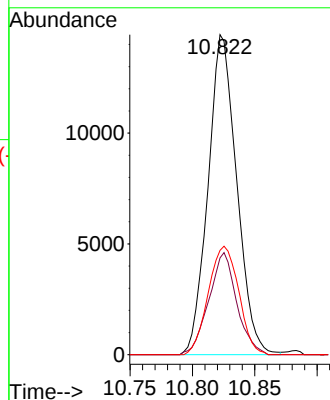
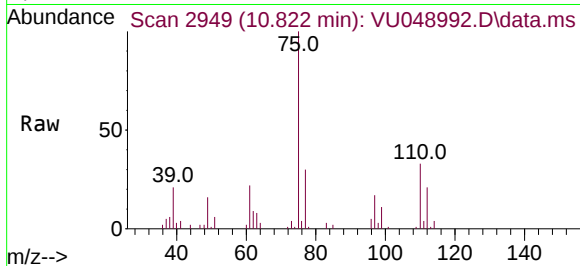




#60
1,2,3-Trichloropropane
Concen: 7.441 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

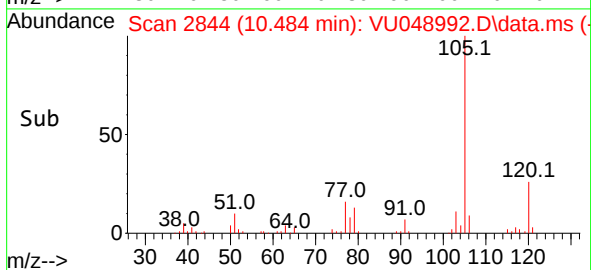
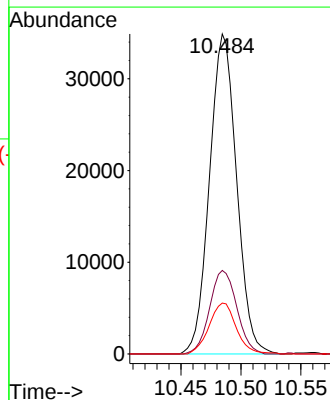
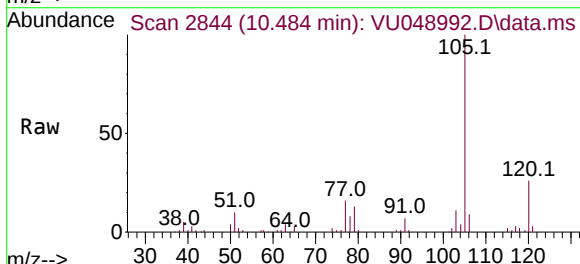
Instrument :
MSVOA_U
ClientSampleId :
VSTD005074

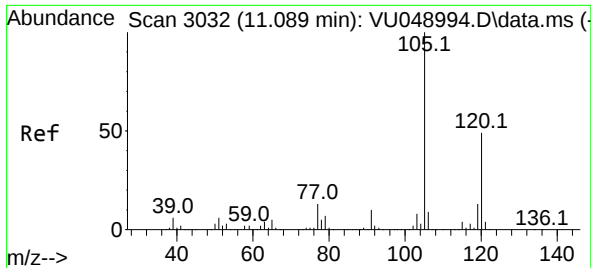
Tgt Ion:	75	Resp:	23100
Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.6	40.0
110	35.9	30.2	45.4



#61
Isopropylbenzene
Concen: 5.789 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

Tgt Ion:	105	Resp:	54689
Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.1	31.7
77	16.0	12.7	19.1





#62

1,3,5-Trimethylbenzene

Concen: 7.268 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

Instrument :

MSVOA_U

ClientSampleId :

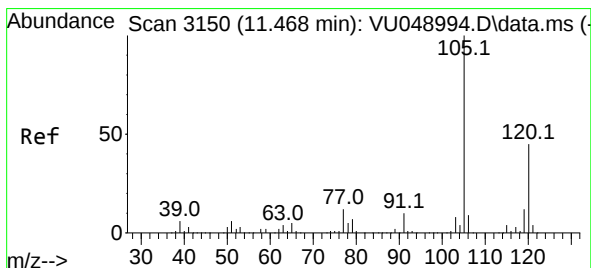
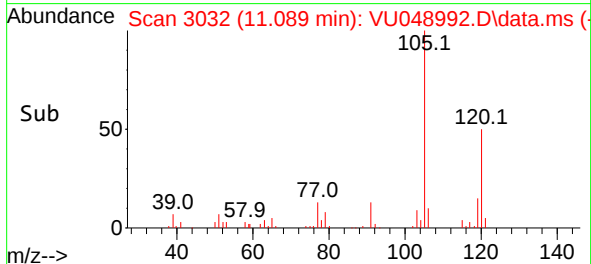
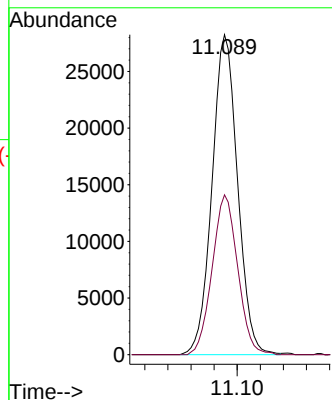
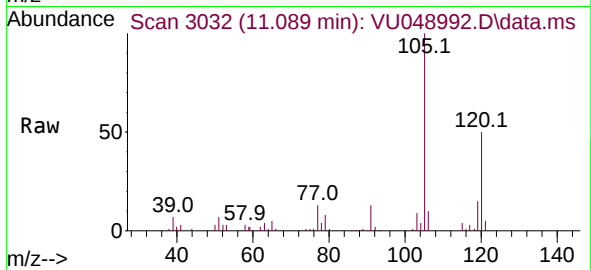
VSTD005074

Tgt Ion:105 Resp: 43350

Ion Ratio Lower Upper

105 100

120 49.9 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 4.456 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU048992.D

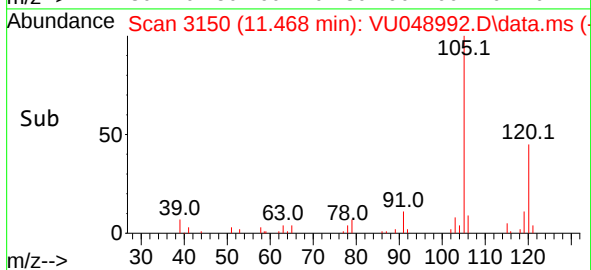
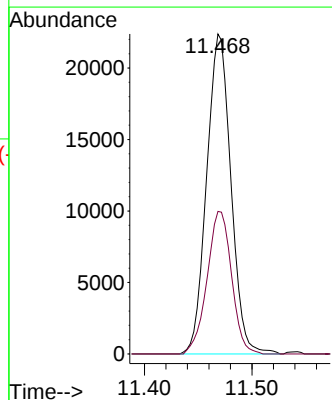
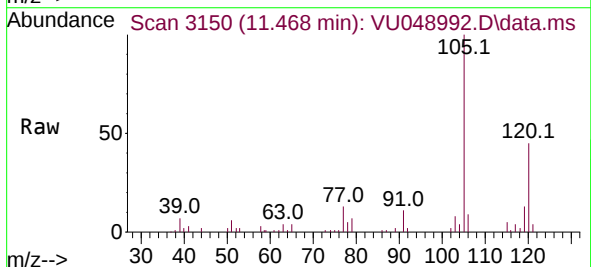
Acq: 10 Jun 2022 12:46

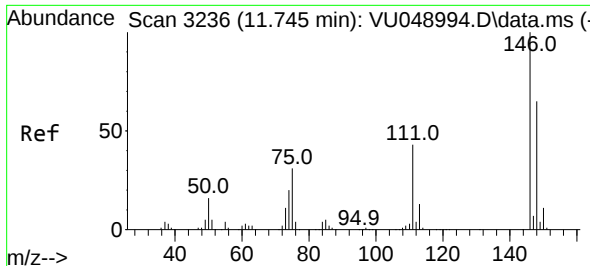
Tgt Ion:105 Resp: 35041

Ion Ratio Lower Upper

105 100

120 45.0 36.3 54.5

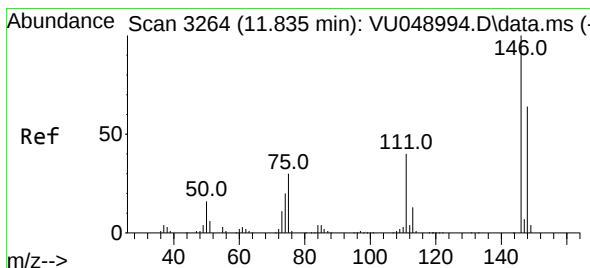
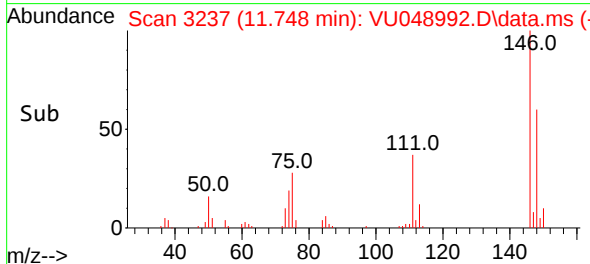
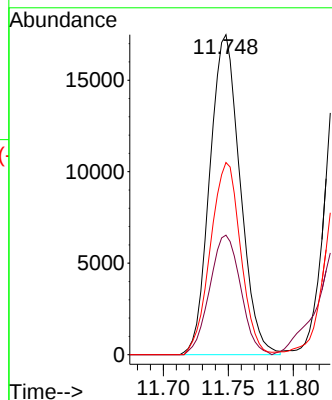
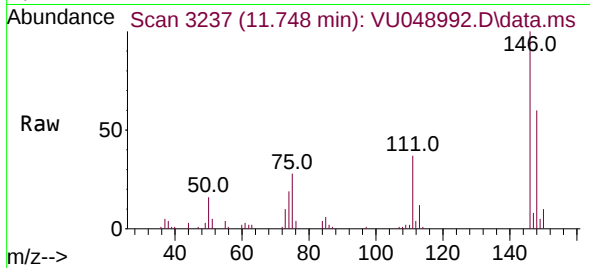




#64
1,3-Dichlorobenzene
Concen: 5.918 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

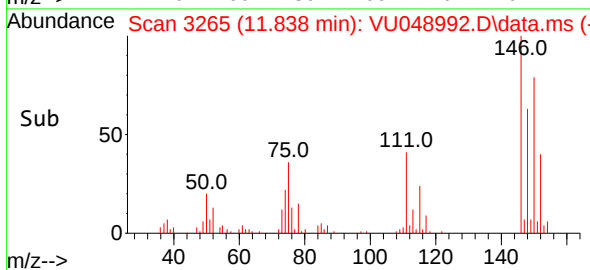
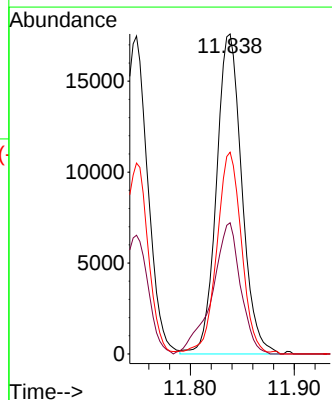
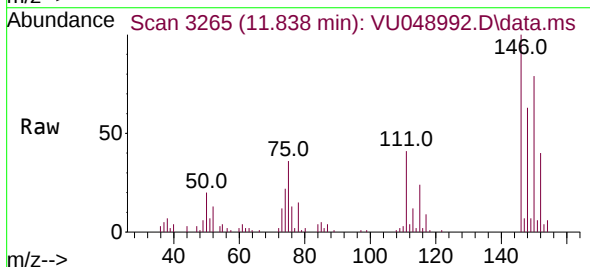
Instrument :
MSVOA_U
ClientSampleId :
VSTD005074

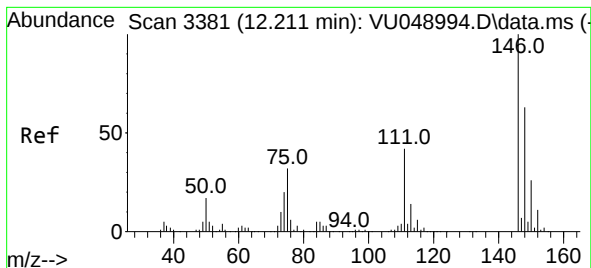
Tgt Ion:146 Resp: 28331
Ion Ratio Lower Upper
146 100
111 37.3 29.8 55.3
148 60.1 45.8 85.0



#65
1,4-Dichlorobenzene
Concen: 6.015 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

Tgt Ion:146 Resp: 29860
Ion Ratio Lower Upper
146 100
111 41.0 28.1 52.1
148 63.0 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 5.872 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD005074

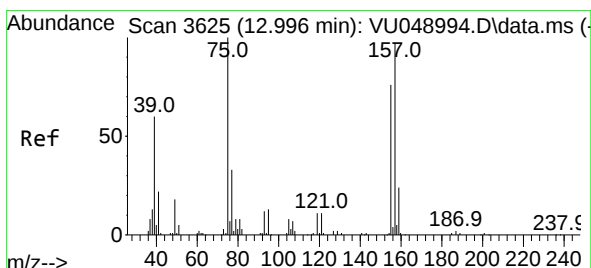
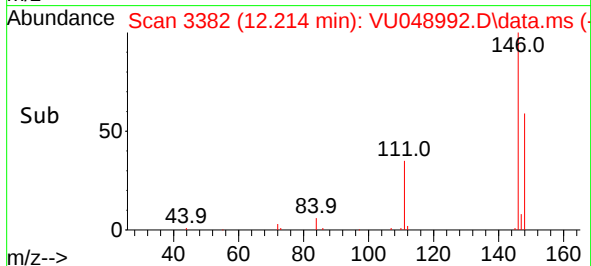
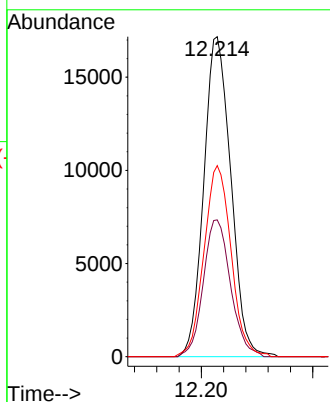
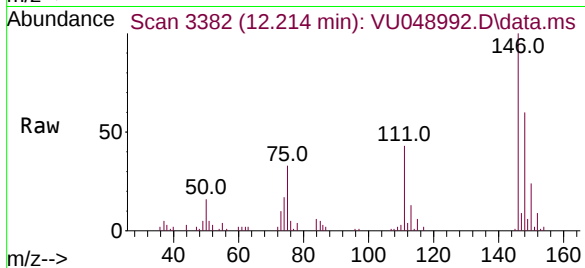
Tgt Ion:146 Resp: 28991

Ion Ratio Lower Upper

146 100

111 42.8 33.9 50.9

148 59.7 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.989 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

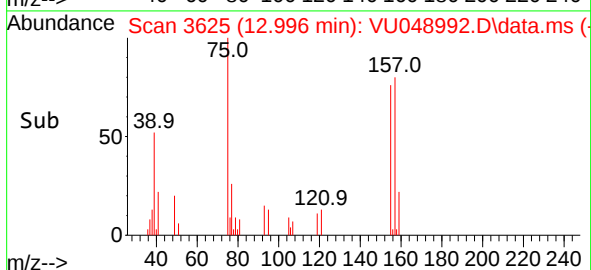
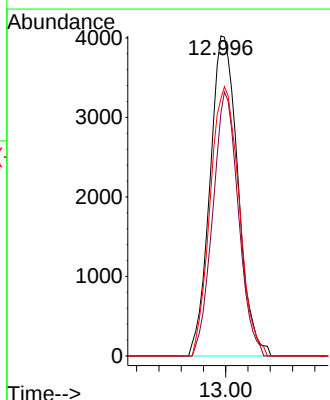
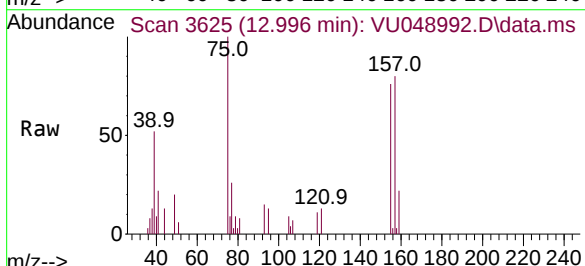
Tgt Ion: 75 Resp: 6994

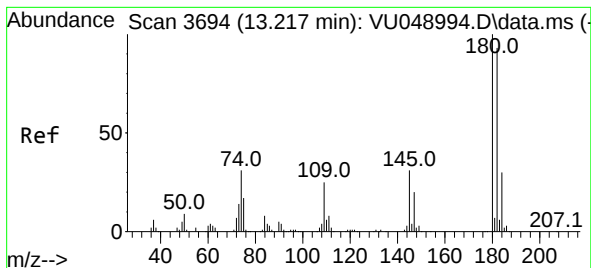
Ion Ratio Lower Upper

75 100

155 76.0 61.0 91.6

157 83.6 77.6 116.4





#69

1,3,5-Trichlorobenzene

Concen: 5.244 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. 0.003 min

Lab File: VU048992.D

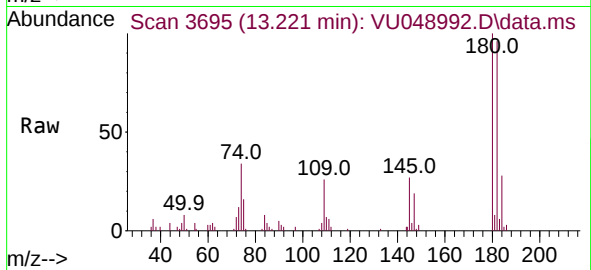
Acq: 10 Jun 2022 12:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD005074



Tgt Ion:180 Resp: 19670

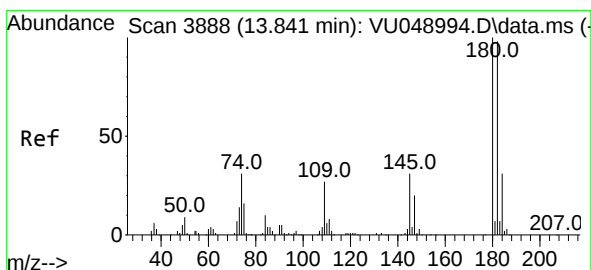
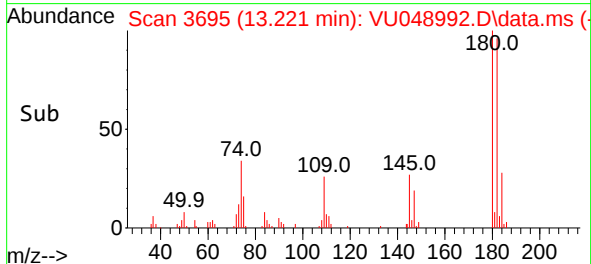
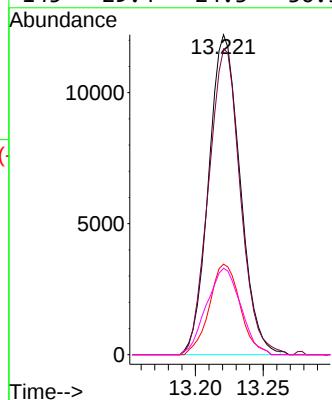
Ion Ratio Lower Upper

180 100

182 96.6 76.0 114.0

184 27.8 24.5 36.7

145 29.4 24.3 36.5



#70

1,2,4-trichlorobenzene

Concen: 4.946 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.000 min

Lab File: VU048992.D

Acq: 10 Jun 2022 12:46

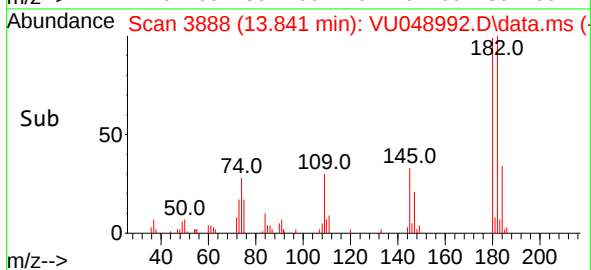
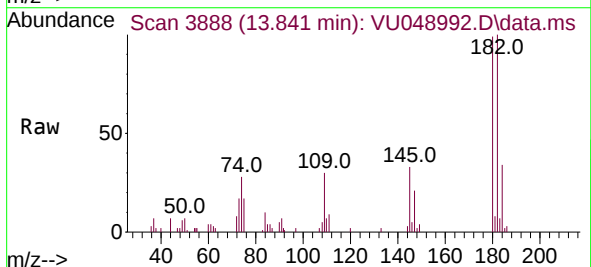
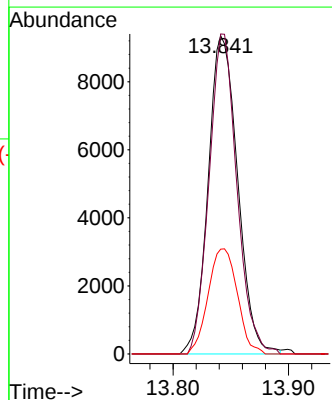
Tgt Ion:180 Resp: 16579

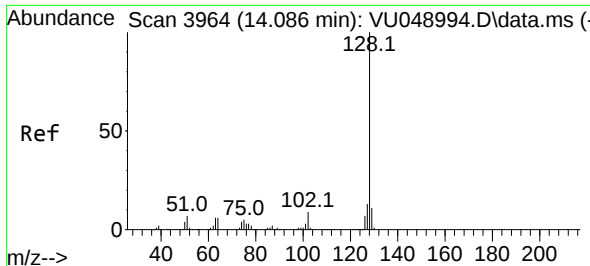
Ion Ratio Lower Upper

180 100

182 94.3 78.2 117.2

145 32.7 25.0 37.4

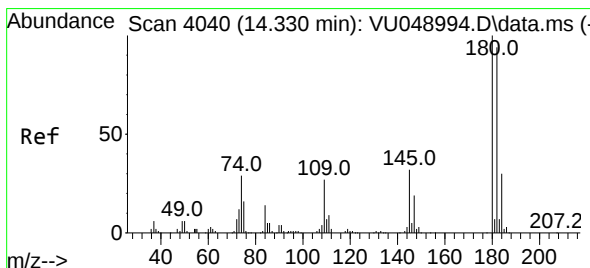
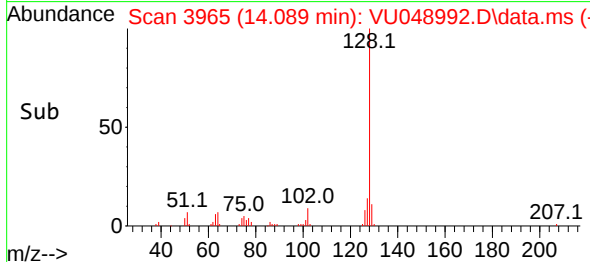
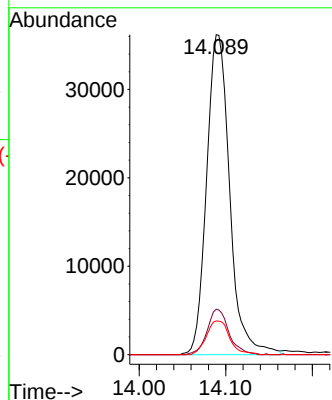
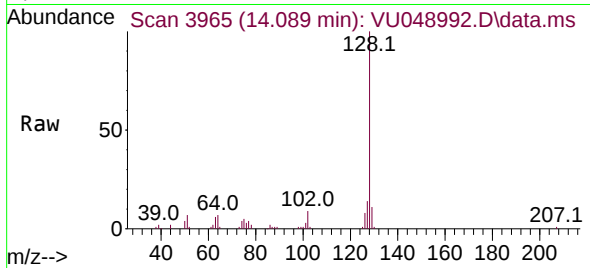




#71
Naphthalene
Concen: 5.981 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD005074

Tgt Ion:128	Resp:	66975
Ion Ratio	Lower	Upper
128	100	
127	13.4	10.2 15.4
129	10.6	8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 5.569 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU048992.D
Acq: 10 Jun 2022 12:46

Tgt Ion:180	Resp:	18949
Ion Ratio	Lower	Upper
180	100	
182	95.0	77.3 115.9
145	32.2	26.3 39.5

