

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051622\
 Data File : VU048578.D
 Acq On : 16 May 2022 13:04
 Operator : SY/MD
 Sample : VSTD01069
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010069

Quant Time: May 17 06:42:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 17 06:41:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	285887	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	283275	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	168256	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	15696	6.822	ug/L	0.00
7) Chloroethane-d5	1.912	69	11968	7.944	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.571	63	35235	8.225	ug/L	0.00
21) 2-Butanone-d5	4.623	46	28769	14.212	ug/L	0.00
24) Chloroform-d	5.067	84	39624	9.240	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	27295	9.631	ug/L	0.00
32) Benzene-d6	5.729	84	69245	8.217	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	20963	7.810	ug/L	0.00
41) Toluene-d8	7.899	98	65370	8.657	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	12797	9.707	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	20576	15.297	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	33658	8.130	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	30056	9.033	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	28251	10.406	ug/L	96
3) Chloromethane	1.523	50	17480	6.334	ug/L	93
5) Vinyl chloride	1.604	62	18669	6.986	ug/L	99
6) Bromomethane	1.858	94	12911	9.265	ug/L	97
8) Chloroethane	1.935	64	10786	7.430	ug/L	100
9) Trichlorofluoromethane	2.141	101	35442	9.366	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	17867	8.396	ug/L	96
12) 1,1-Dichloroethene	2.581	96	16762	8.428	ug/L	91
13) Acetone	2.626	43	22865	14.343	ug/L	96
14) Carbon disulfide	2.797	76	48270	7.956	ug/L	98
15) Methyl Acetate	2.951	43	21081	6.831	ug/L	100
16) Methylene chloride	3.047	84	20209	8.412	ug/L	99
17) trans-1,2-Dichloroethene	3.353	96	17847	8.429	ug/L	93
18) Methyl tert-butyl Ether	3.366	73	61163	8.463	ug/L	99
19) 1,1-Dichloroethane	3.874	63	33065	7.667	ug/L	96
20) cis-1,2-Dichloroethene	4.668	96	19577	8.122	ug/L	99
22) 2-Butanone	4.703	43	28618	12.532	ug/L	100
23) Bromochloromethane	4.976	128	10777	8.381	ug/L	96
25) Chloroform	5.092	83	39282	8.962	ug/L	98
27) 1,2-Dichloroethane	5.796	62	33535	9.204	ug/L	100
29) Cyclohexane	5.391	56	24542	6.562	ug/L	100
30) 1,1,1-Trichloroethane	5.321	97	37622	9.264	ug/L	99
31) Carbon tetrachloride	5.526	117	34082	9.639	ug/L	96
33) Benzene	5.774	78	74122	7.732	ug/L	100
34) Trichloroethene	6.546	95	21090	8.680	ug/L	96
35) Methylcyclohexane	6.764	83	28738	7.612	ug/L	97
37) 1,2-Dichloropropane	6.790	63	18420	7.023	ug/L	# 94
38) Bromodichloromethane	7.108	83	29043	8.594	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	30760	7.975	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	52605	12.563	ug/L	98
42) Toluene	7.970	91	80037	7.988	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	31753	8.280	ug/L	99

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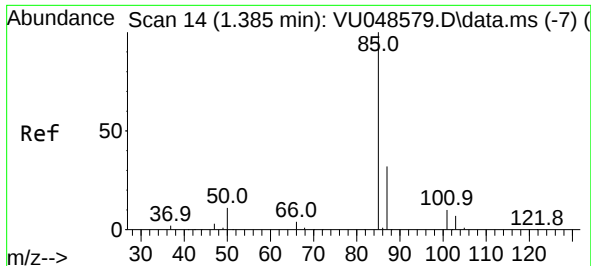
Quant Time: May 17 06:42:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 17 06:41:51 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	19769	8.035	ug/L	95
46) Tetrachloroethene	8.555	164	16693	8.974	ug/L	92
48) 2-Hexanone	8.684	43	46895	13.364	ug/L	94
49) Dibromochloromethane	8.809	129	24873	9.079	ug/L	99
50) 1,2-Dibromoethane	8.925	107	22155	8.436	ug/L	98
51) Chlorobenzene	9.449	112	55619	8.650	ug/L	99
52) Ethylbenzene	9.571	91	86153	8.149	ug/L	100
53) m,p-Xylene	9.693	106	34729	8.430	ug/L	99
54) o-Xylene	10.102	106	32652	7.964	ug/L	100
55) Styrene	10.115	104	55952	8.297	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	32230	7.169	ug/L	95
59) Bromoform	10.291	173	20009	8.252	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	29934	7.032	ug/L	96
61) Isopropylbenzene	10.484	105	88504	7.544	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	48568	7.450	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	73866	7.583	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	47729	8.534	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	48329	8.586	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	47250	8.297	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	10398	7.944	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	36234	8.955	ug/L	98
70) 1,2,4-trichlorobenzene	13.844	180	31090	8.651	ug/L	97
71) Naphthalene	14.089	128	89814	6.598	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	31427	8.320	ug/L	99

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

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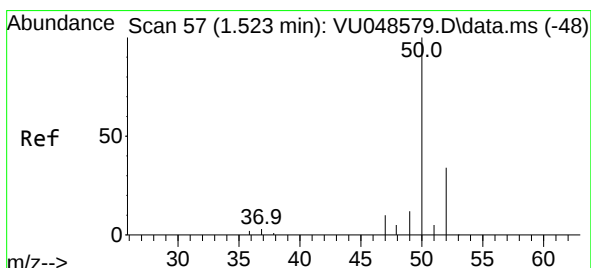
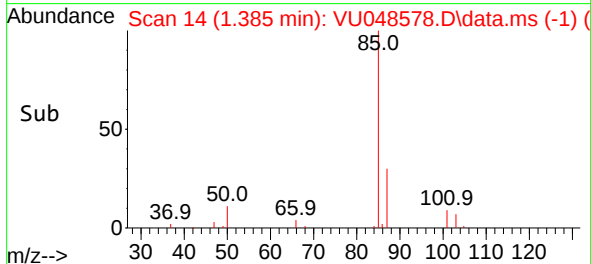
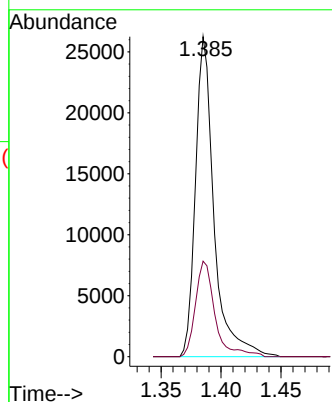
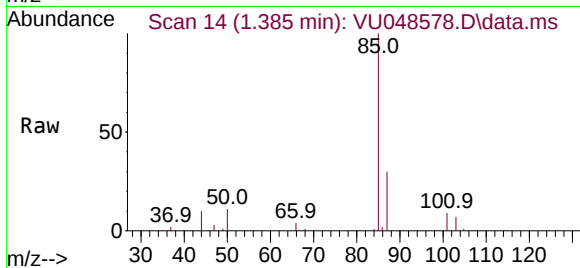




#2
Dichlorodifluoromethane
Concen: 10.406 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

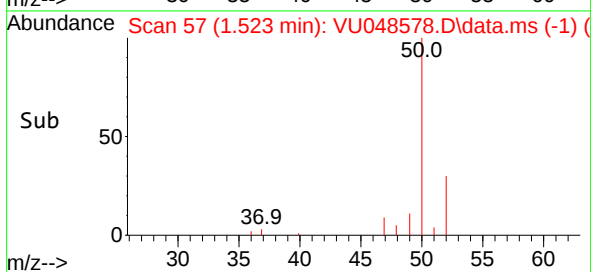
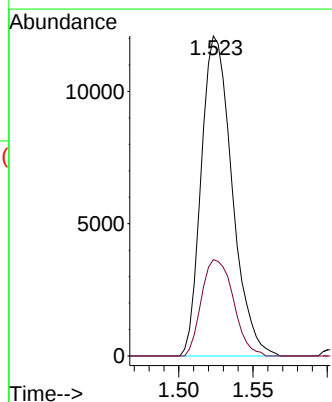
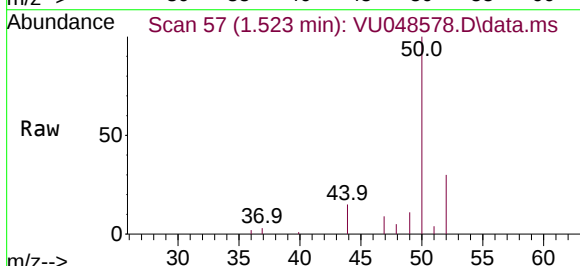
Instrument :
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ClientSampleId :
VSTD010069

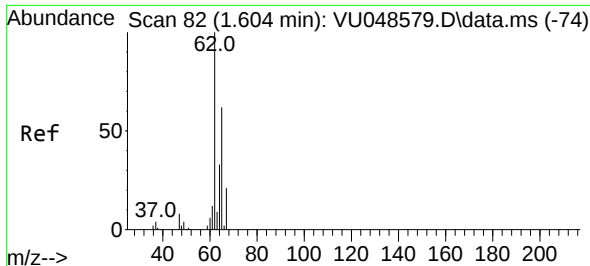
Tgt Ion: 85 Resp: 28251
Ion Ratio Lower Upper
85 100
87 29.7 25.4 38.2



#3
Chloromethane
Concen: 6.334 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

Tgt Ion: 50 Resp: 17480
Ion Ratio Lower Upper
50 100
52 30.1 23.8 44.2

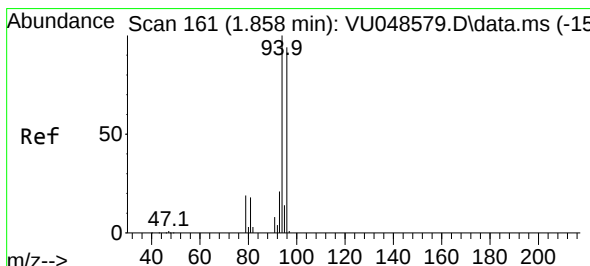
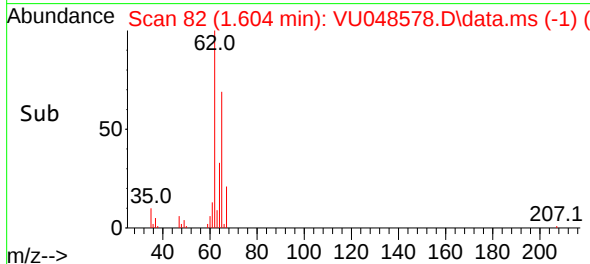
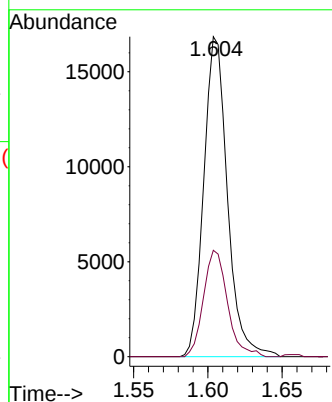
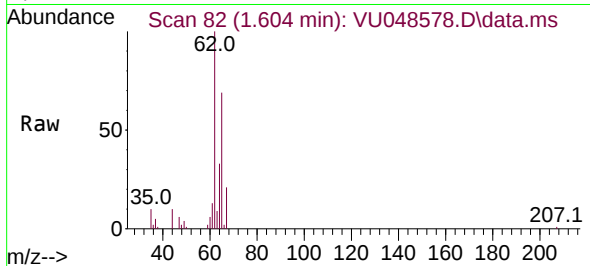




#5
 Vinyl chloride
 Concen: 6.986 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU048578.D
 Acq: 16 May 2022 13:04

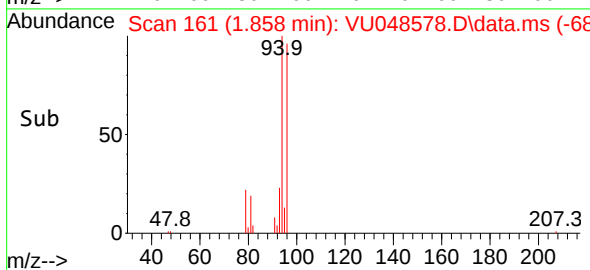
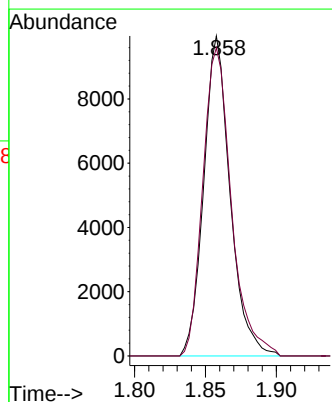
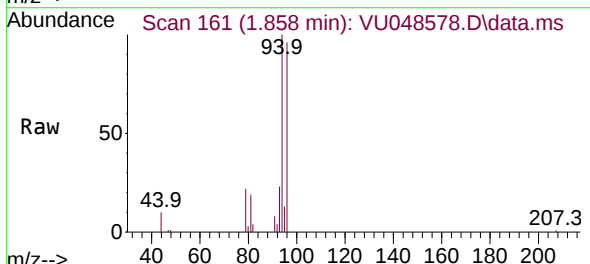
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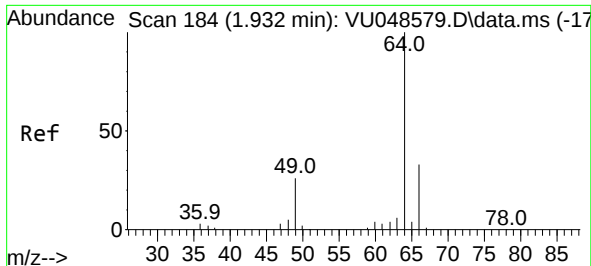
Tgt Ion: 62 Resp: 18669
 Ion Ratio Lower Upper
 62 100
 64 33.3 22.9 42.5



#6
 Bromomethane
 Concen: 9.265 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU048578.D
 Acq: 16 May 2022 13:04

Tgt Ion: 94 Resp: 12911
 Ion Ratio Lower Upper
 94 100
 96 96.3 65.7 121.9

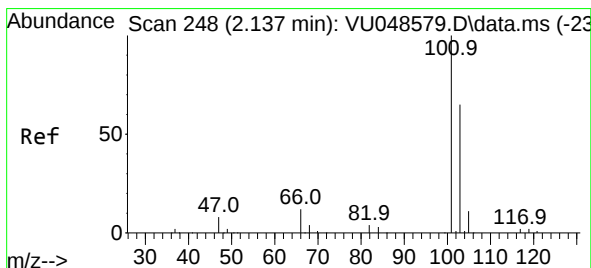
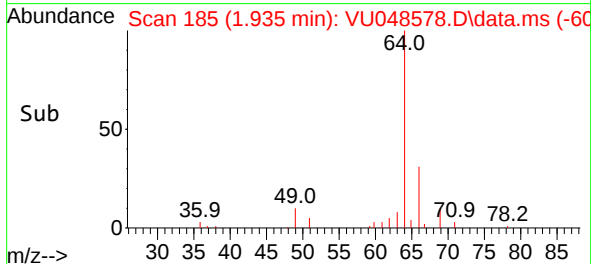
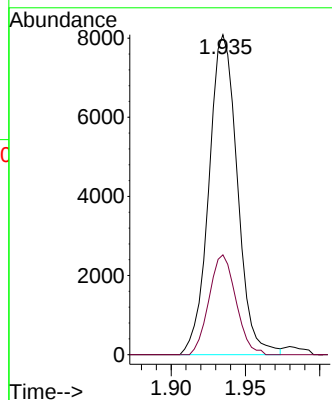
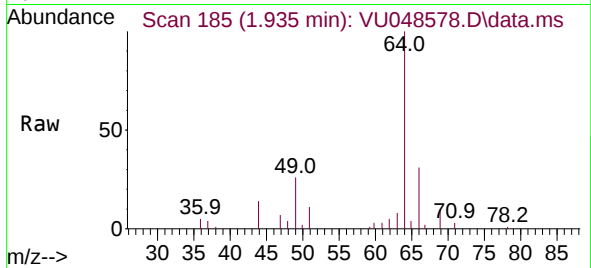




#8
Chloroethane
Concen: 7.430 ug/L
RT: 1.935 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

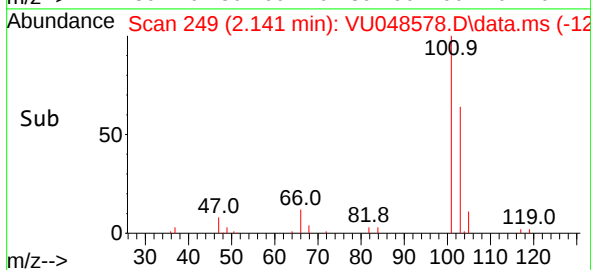
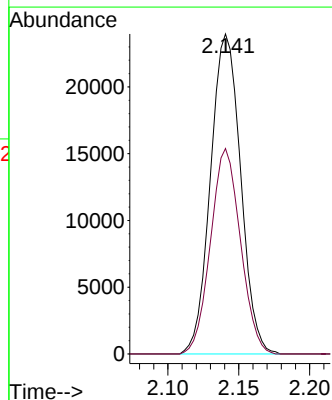
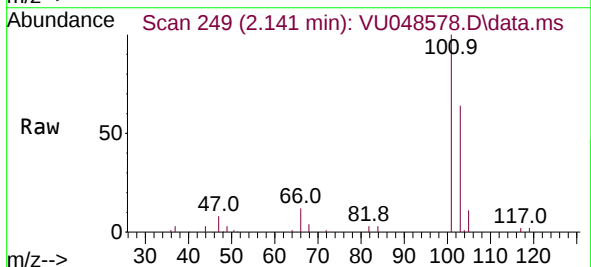
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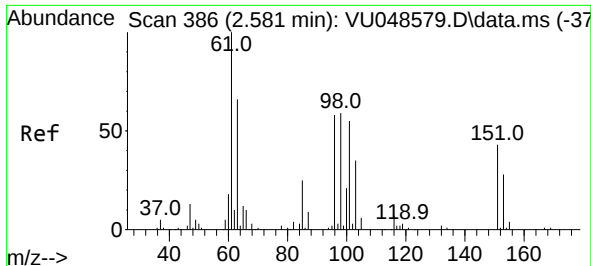
Tgt Ion: 64 Resp: 10786
Ion Ratio Lower Upper
64 100
66 32.9 23.1 42.9



#9
Trichlorofluoromethane
Concen: 9.366 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.003 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

Tgt Ion:101 Resp: 35442
Ion Ratio Lower Upper
101 100
103 63.7 51.6 77.4

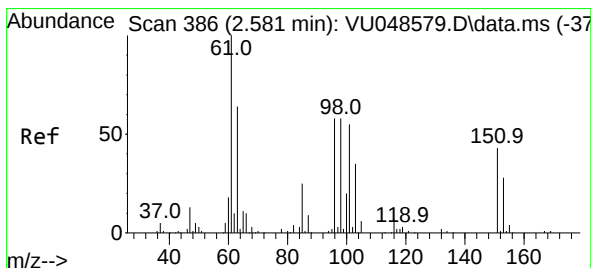
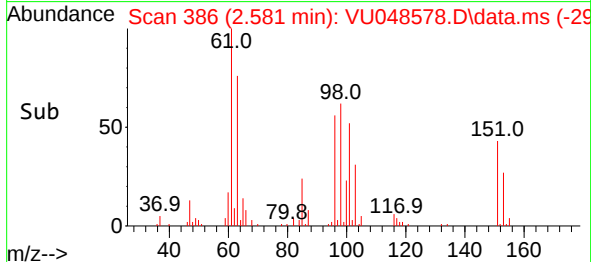
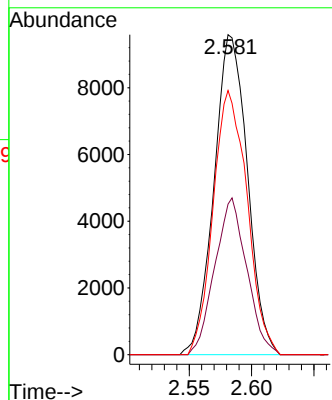
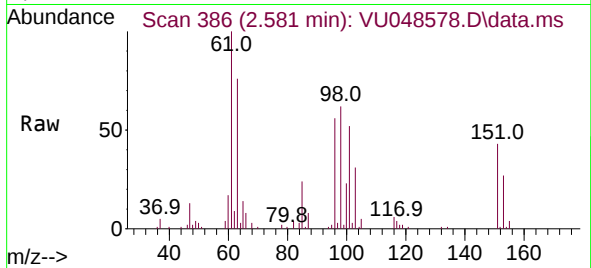




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 8.396 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU048578.D
 Acq: 16 May 2022 13:04

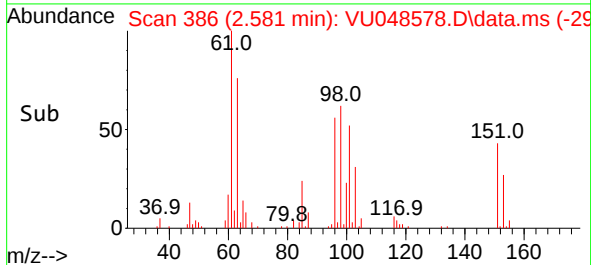
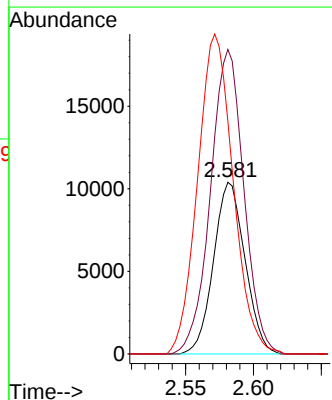
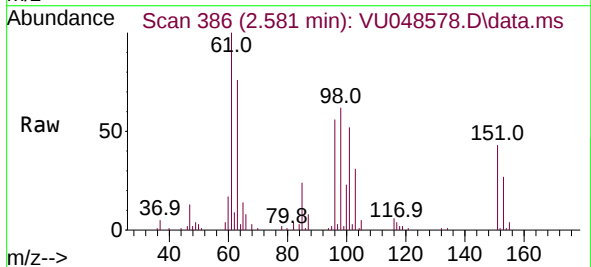
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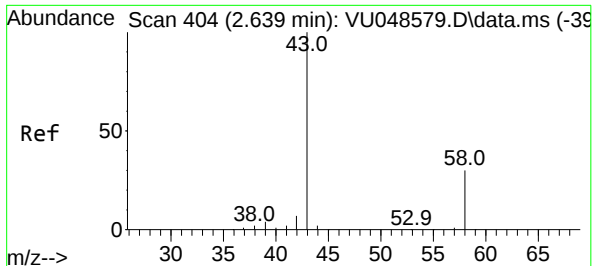
Tgt Ion:101 Resp: 17867
 Ion Ratio Lower Upper
 101 100
 85 46.9 35.7 53.5
 151 83.9 64.4 96.6



#12
 1,1-Dichloroethene
 Concen: 8.428 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU048578.D
 Acq: 16 May 2022 13:04

Tgt Ion: 96 Resp: 16762
 Ion Ratio Lower Upper
 96 100
 61 177.3 120.6 224.0
 63 135.5 82.3 152.9





#13

Acetone

Concen: 14.343 ug/L

RT: 2.626 min Scan# 404

Delta R.T. -0.013 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

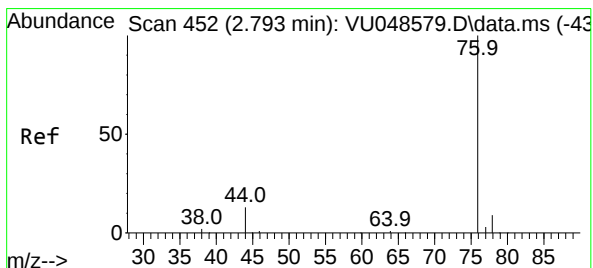
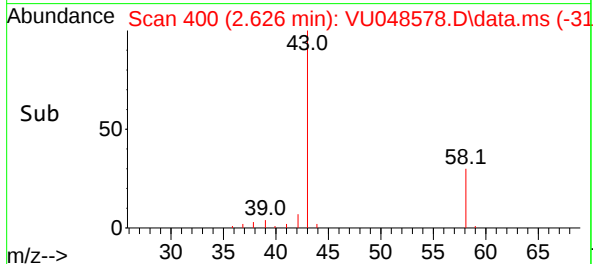
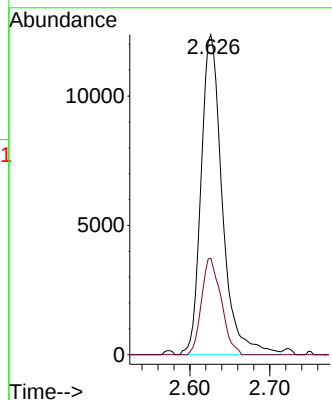
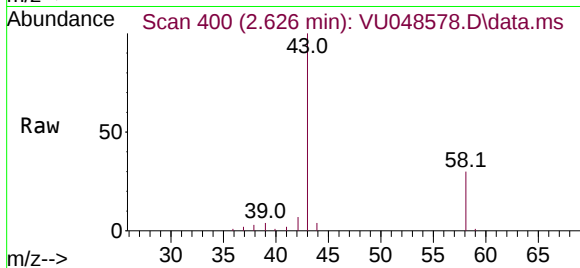
VSTD010069

Tgt Ion: 43 Resp: 22865

Ion Ratio Lower Upper

43 100

58 27.9 0.0 59.8



#14

Carbon disulfide

Concen: 7.956 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.003 min

Lab File: VU048578.D

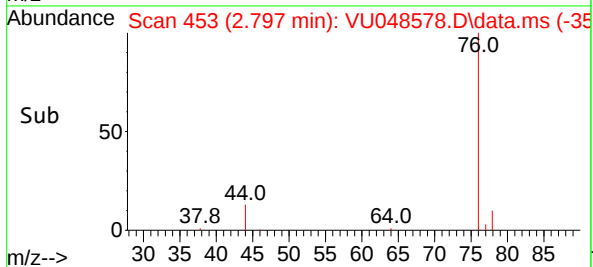
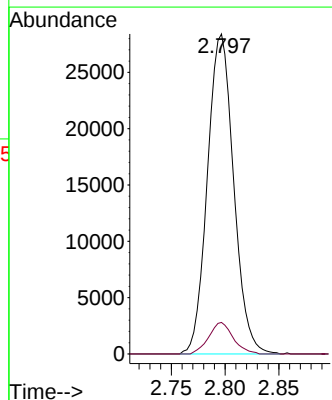
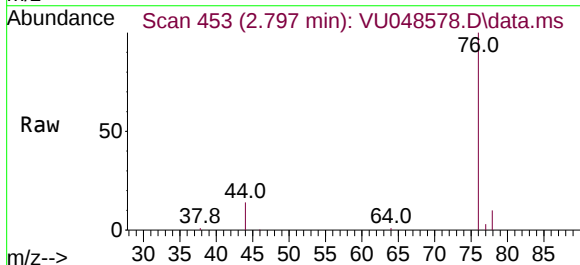
Acq: 16 May 2022 13:04

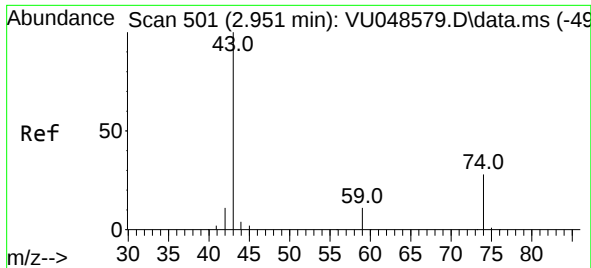
Tgt Ion: 76 Resp: 48270

Ion Ratio Lower Upper

76 100

78 9.8 7.2 10.8

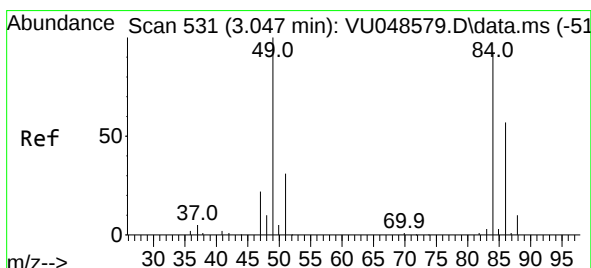
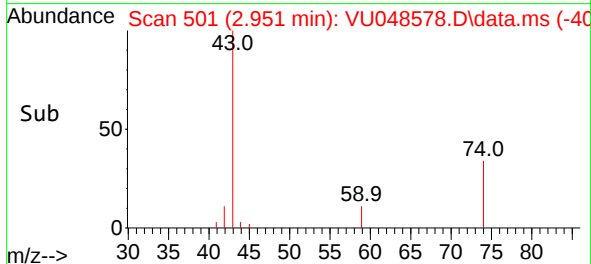
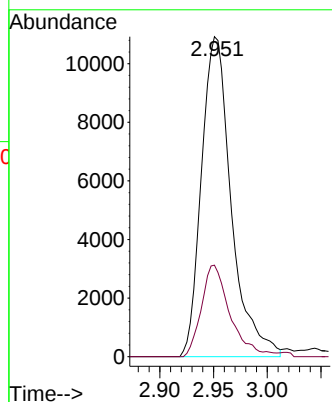
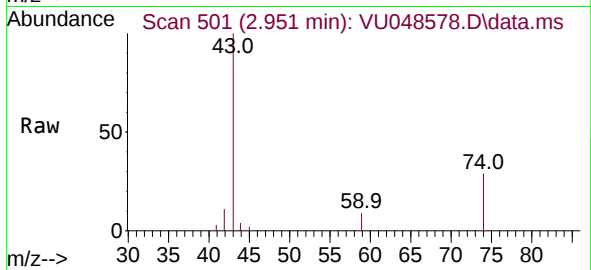




#15
Methyl Acetate
Concen: 6.831 ug/L
RT: 2.951 min Scan# 501
Delta R.T. -0.000 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

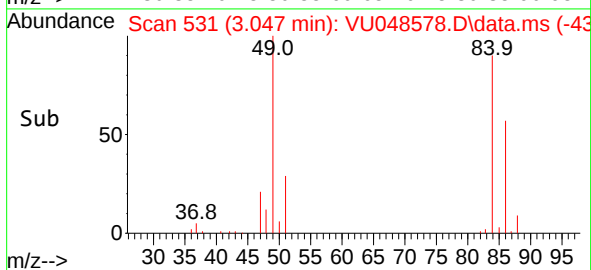
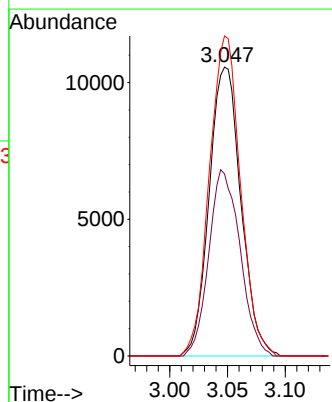
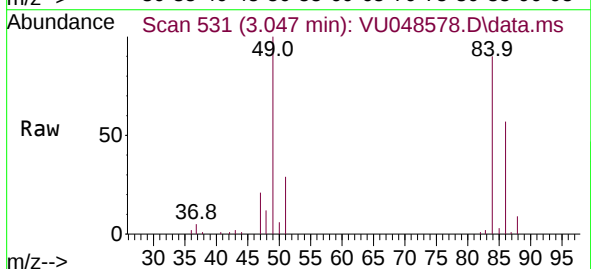
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ClientSampleId :
VSTD010069

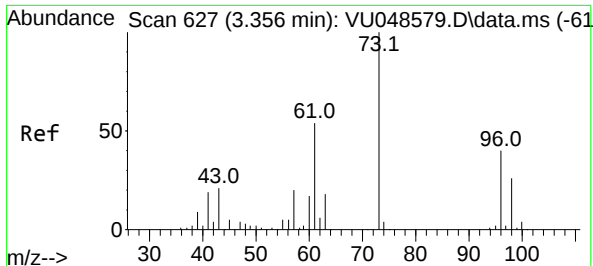
Tgt Ion: 43 Resp: 21081
Ion Ratio Lower Upper
43 100
74 27.0 21.7 32.5



#16
Methylene chloride
Concen: 8.412 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

Tgt Ion: 84 Resp: 20209
Ion Ratio Lower Upper
84 100
86 63.0 43.5 80.9
49 110.8 76.4 141.8





#17

trans-1,2-Dichloroethene

Concen: 8.429 ug/L

RT: 3.353 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD010069

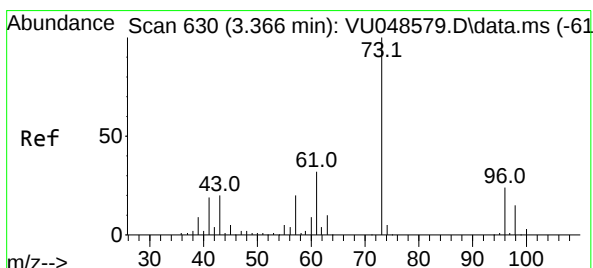
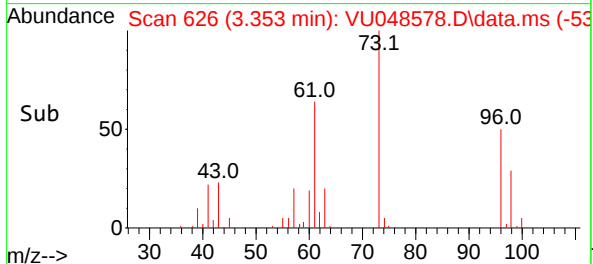
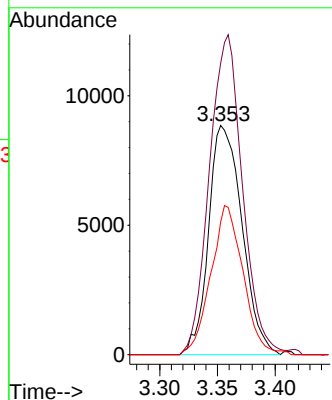
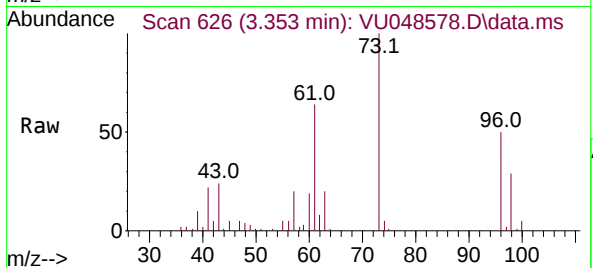
Tgt Ion: 96 Resp: 17847

Ion Ratio Lower Upper

96 100

61 127.2 94.2 175.0

98 57.9 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 8.463 ug/L

RT: 3.366 min Scan# 630

Delta R.T. -0.000 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

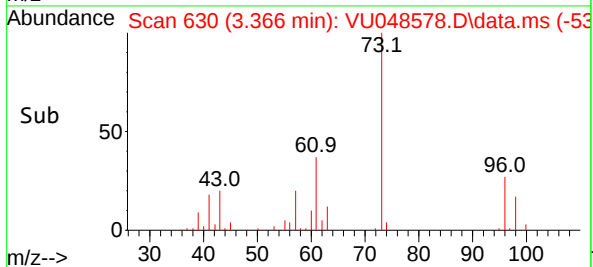
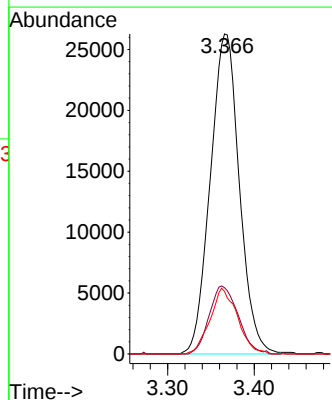
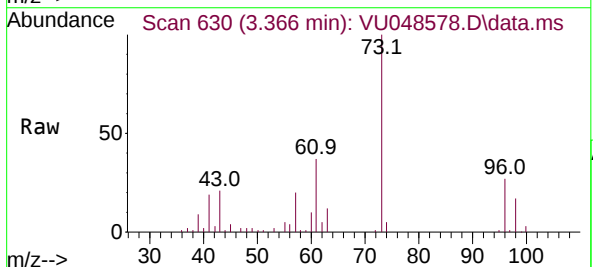
Tgt Ion: 73 Resp: 61163

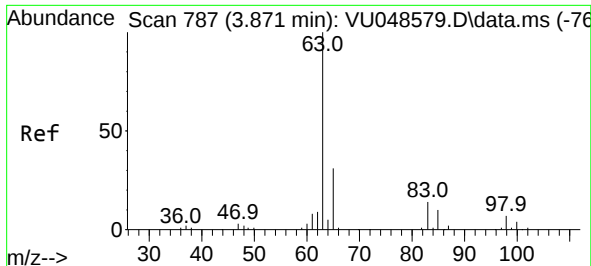
Ion Ratio Lower Upper

73 100

43 21.1 16.2 24.4

57 19.4 15.7 23.5





#19

1,1-Dichloroethane

Concen: 7.667 ug/L

RT: 3.874 min Scan# 787

Delta R.T. 0.003 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD010069

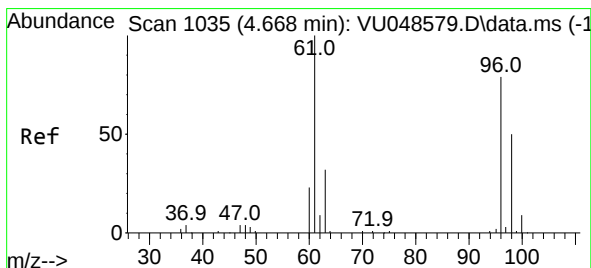
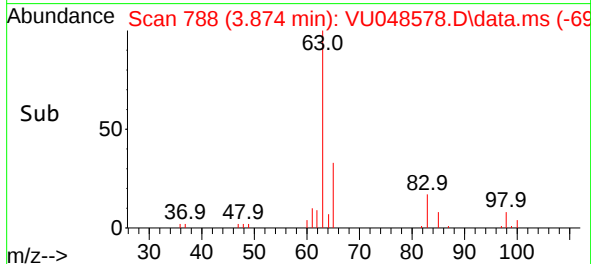
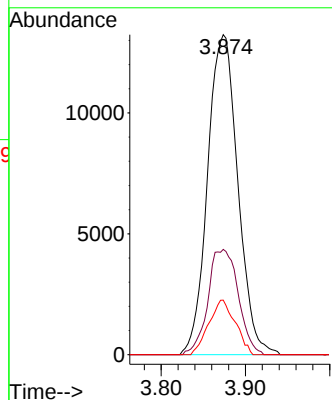
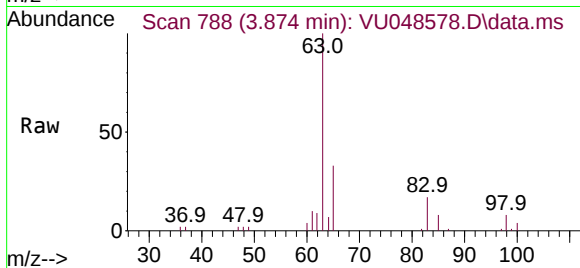
Tgt Ion: 63 Resp: 33065

Ion Ratio Lower Upper

63 100

65 32.9 21.8 40.6

83 17.1 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 8.122 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

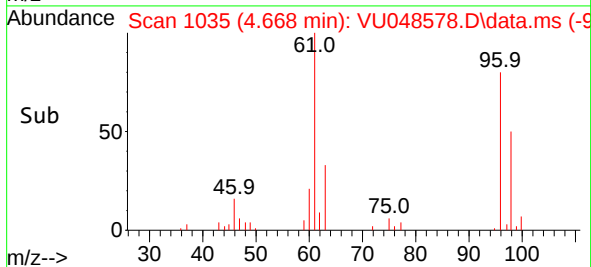
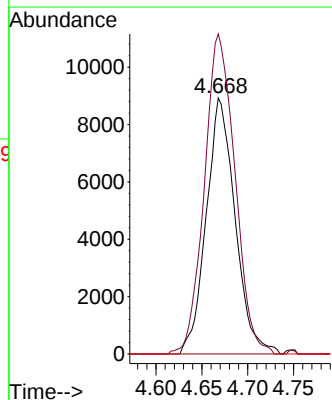
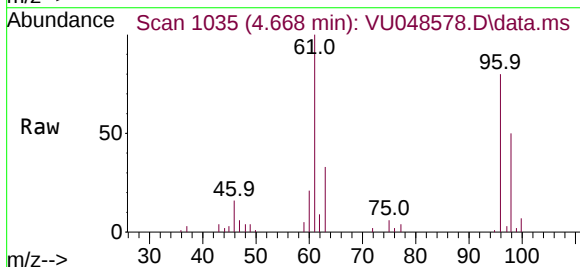
Tgt Ion: 96 Resp: 19577

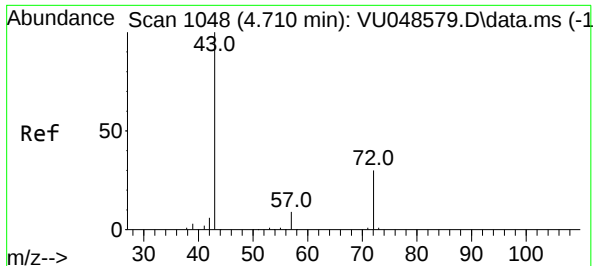
Ion Ratio Lower Upper

96 100

61 125.0 88.3 164.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 12.532 ug/L

RT: 4.703 min Scan# 1046

Delta R.T. -0.007 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

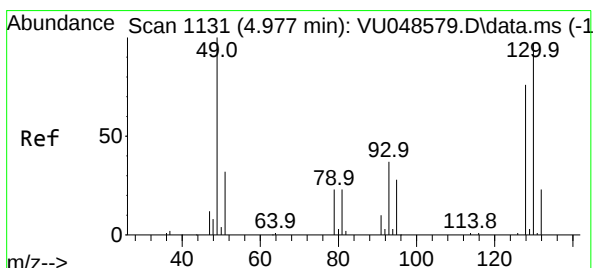
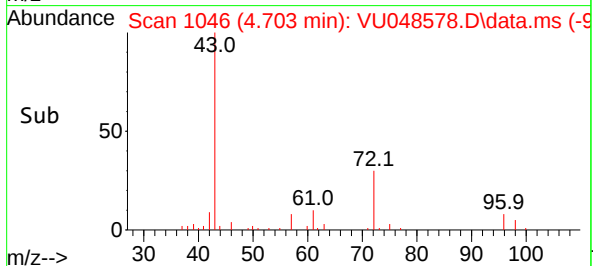
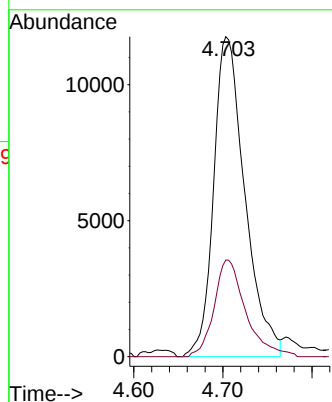
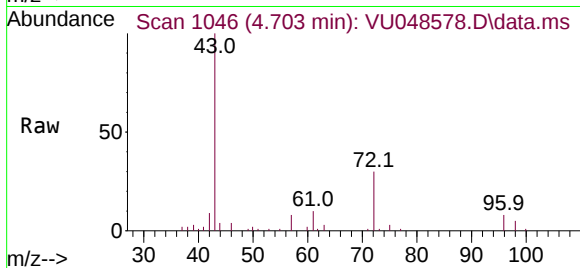
VSTD010069

Tgt Ion: 43 Resp: 28618

Ion Ratio Lower Upper

43 100

72 30.7 15.4 46.2



#23

Bromochloromethane

Concen: 8.381 ug/L

RT: 4.976 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

Tgt Ion: 128 Resp: 10777

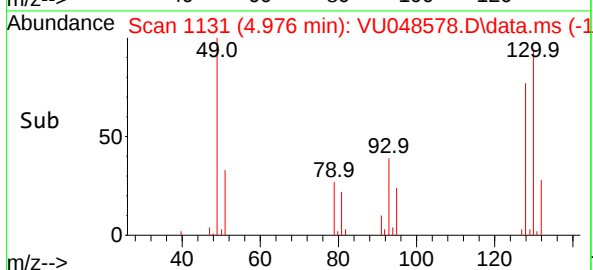
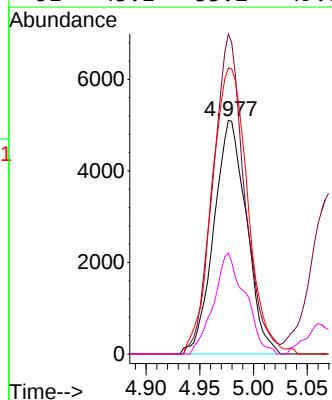
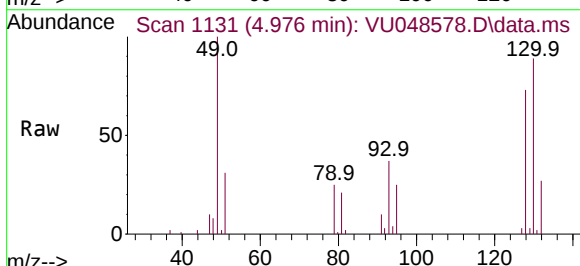
Ion Ratio Lower Upper

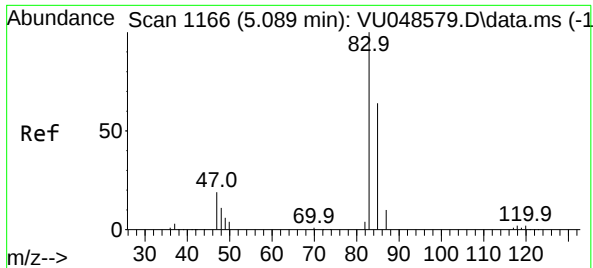
128 100

49 137.0 91.9 170.7

130 122.4 88.4 164.2

51 43.1 33.2 49.8

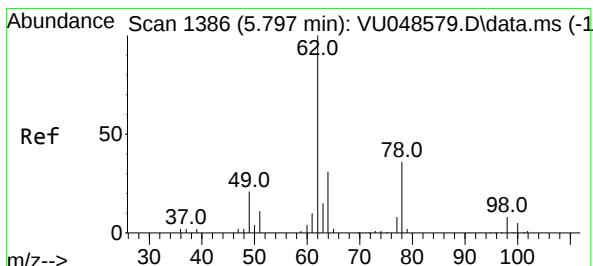
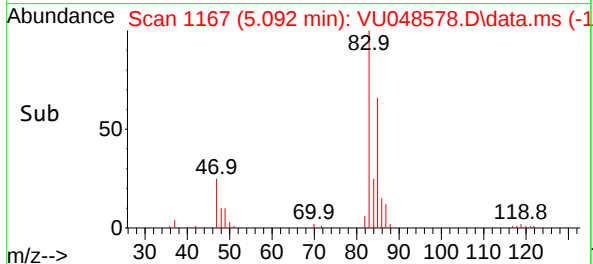
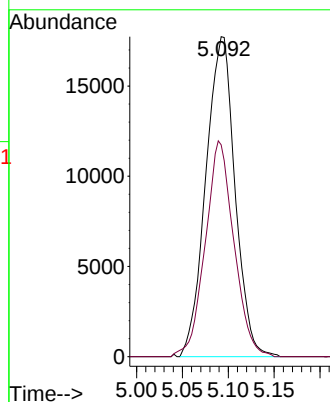
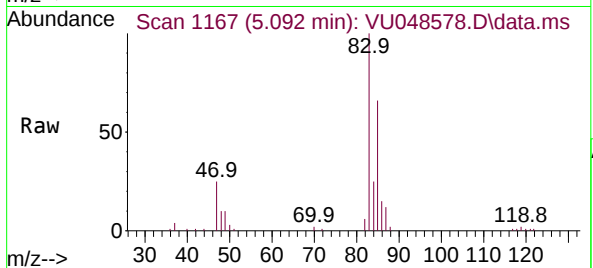




#25
Chloroform
Concen: 8.962 ug/L
RT: 5.092 min Scan# 1166
Delta R.T. 0.003 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

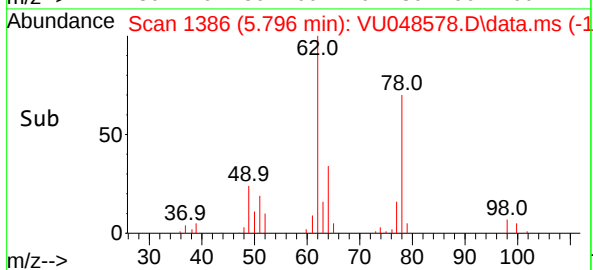
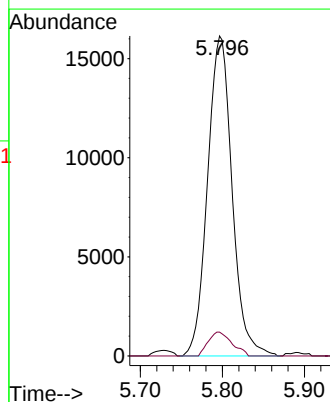
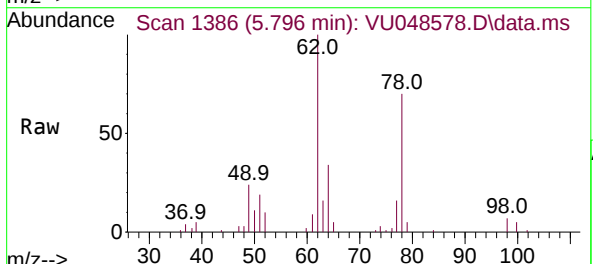
Instrument :
MSVOA_U
ClientSampleId :
VSTD010069

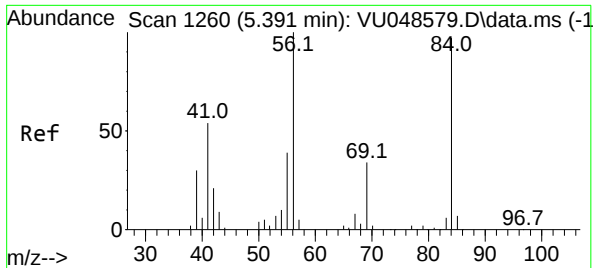
Tgt Ion: 83 Resp: 39282
Ion Ratio Lower Upper
83 100
85 66.2 45.1 83.7



#27
1,2-Dichloroethane
Concen: 9.204 ug/L
RT: 5.796 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

Tgt Ion: 62 Resp: 33535
Ion Ratio Lower Upper
62 100
98 7.5 6.0 9.0





#29

Cyclohexane

Concen: 6.562 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD010069

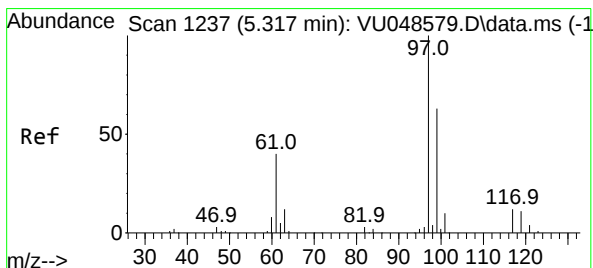
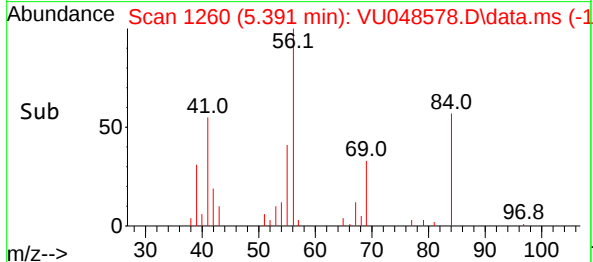
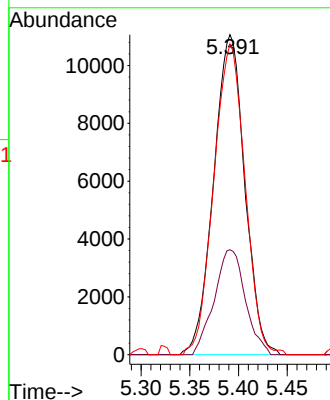
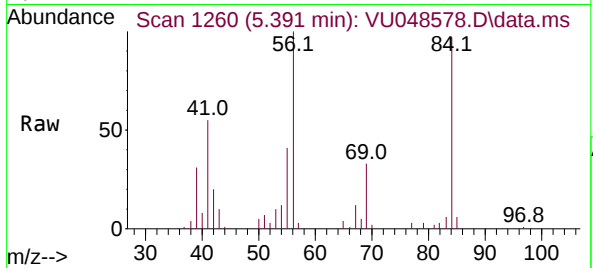
Tgt Ion: 56 Resp: 24542

Ion Ratio Lower Upper

56 100

69 32.8 26.5 39.7

84 97.2 78.0 117.0



#30

1,1,1-Trichloroethane

Concen: 9.264 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.003 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

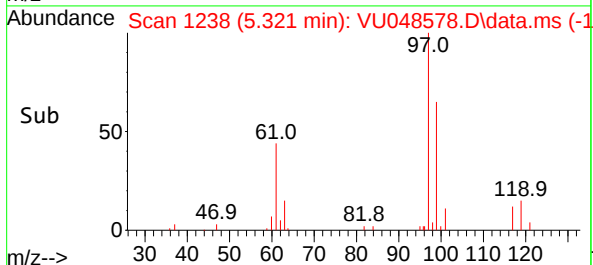
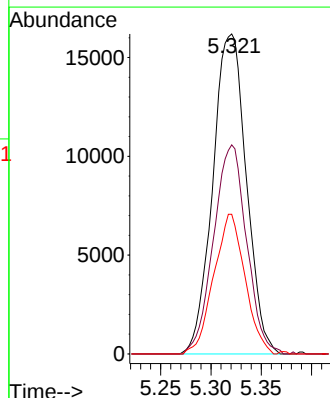
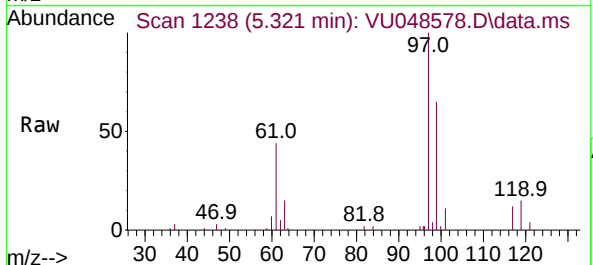
Tgt Ion: 97 Resp: 37622

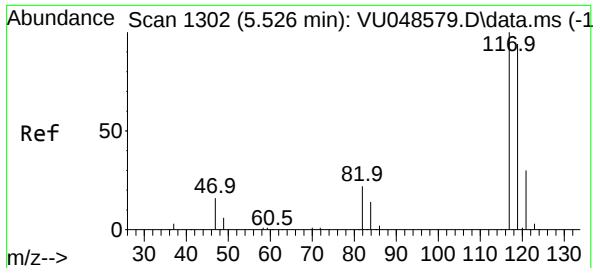
Ion Ratio Lower Upper

97 100

99 64.3 50.3 75.5

61 40.6 32.6 48.8

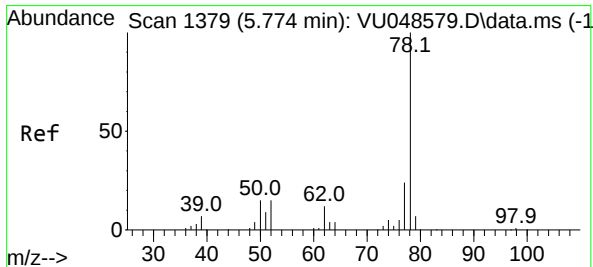
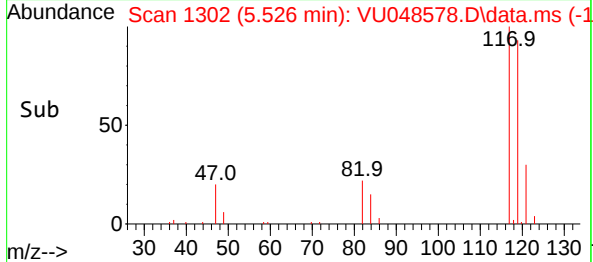
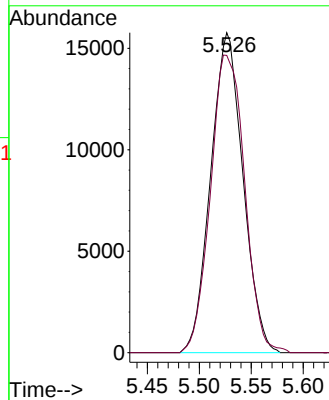
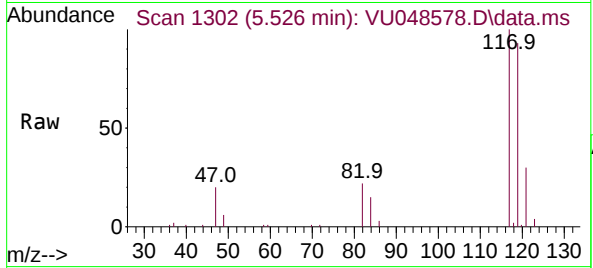




#31
Carbon tetrachloride
Concen: 9.639 ug/L
RT: 5.526 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

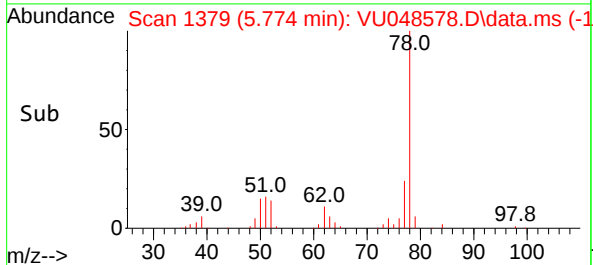
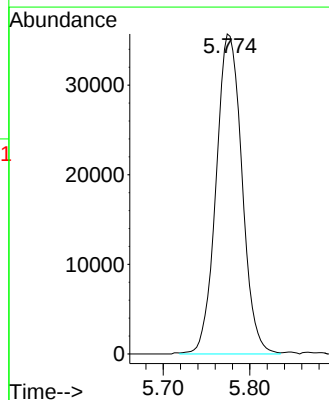
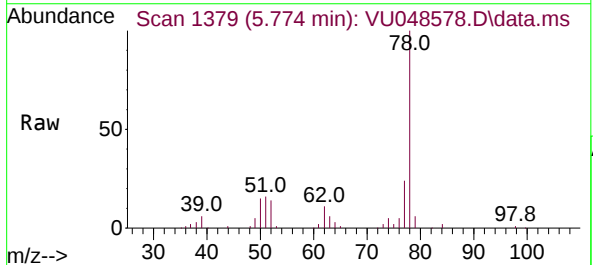
Instrument :
MSVOA_U
ClientSampleId :
VSTD010069

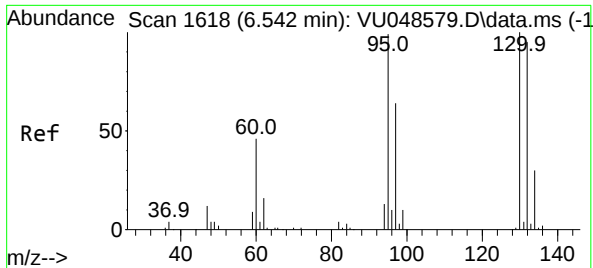
Tgt Ion:117 Resp: 34082
Ion Ratio Lower Upper
117 100
119 98.4 76.0 114.0



#33
Benzene
Concen: 7.732 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

Tgt Ion: 78 Resp: 74122

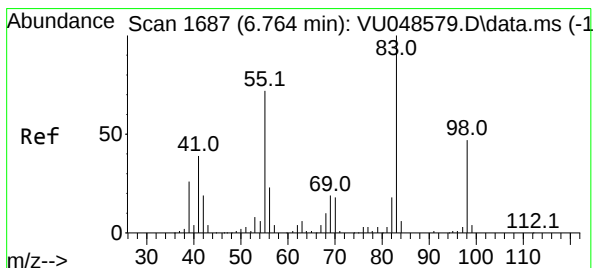
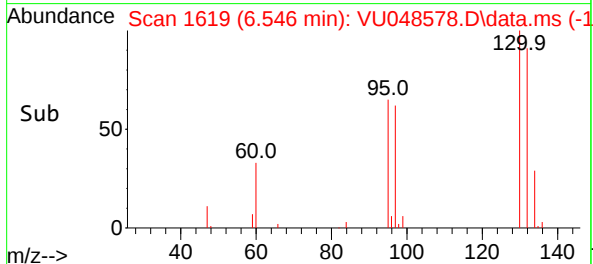
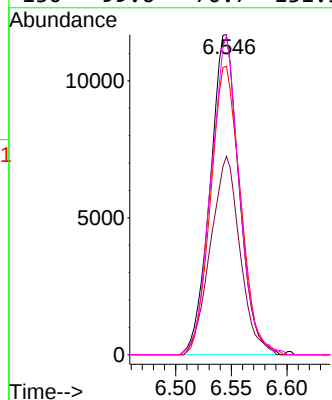
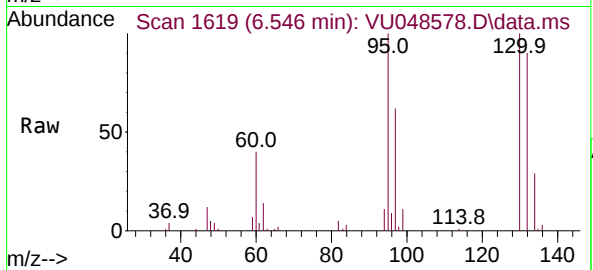




#34
Trichloroethene
Concen: 8.680 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.003 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

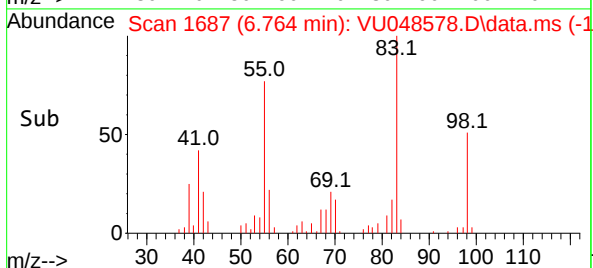
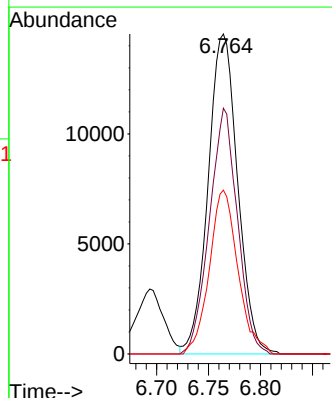
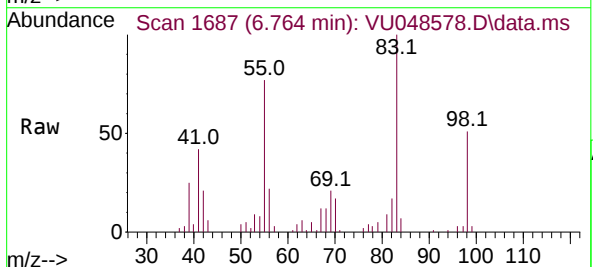
Instrument :
MSVOA_U
ClientSampleId :
VSTD010069

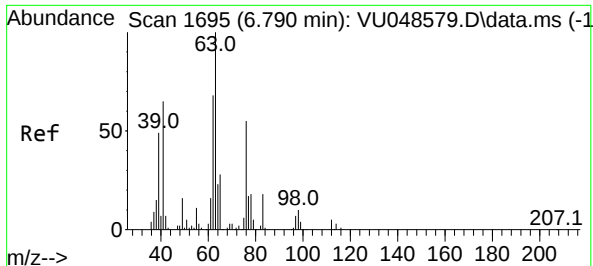
Tgt Ion: 95 Resp: 21090
Ion Ratio Lower Upper
95 100
97 62.0 45.2 84.0
132 90.1 67.3 124.9
130 99.6 70.7 131.3



#35
Methylcyclohexane
Concen: 7.612 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

Tgt Ion: 83 Resp: 28738
Ion Ratio Lower Upper
83 100
55 72.9 56.2 84.4
98 49.7 38.2 57.2





#37

1,2-Dichloropropane

Concen: 7.023 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

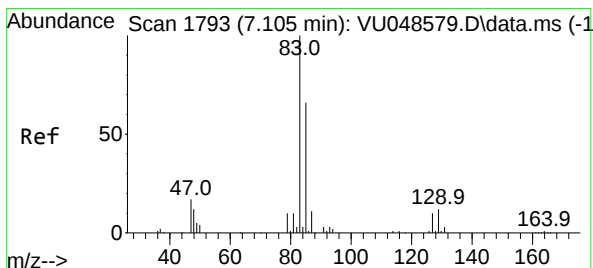
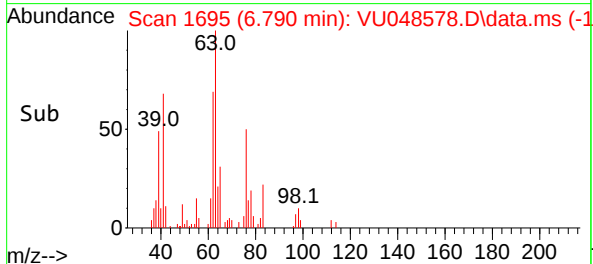
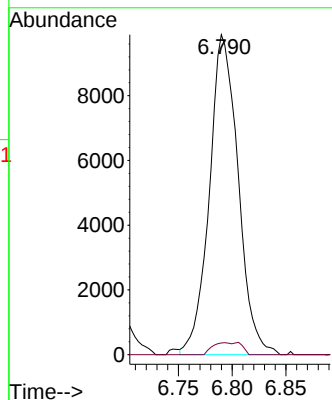
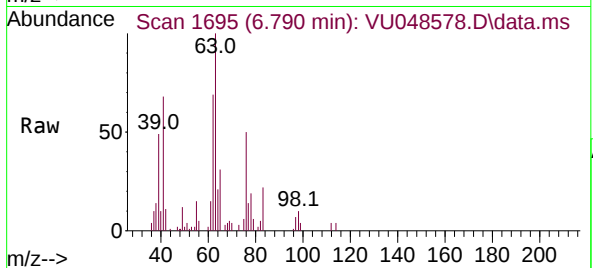
VSTD010069

Tgt Ion: 63 Resp: 18420

Ion Ratio Lower Upper

63 100

112 2.5 3.7 5.5#



#38

Bromodichloromethane

Concen: 8.594 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

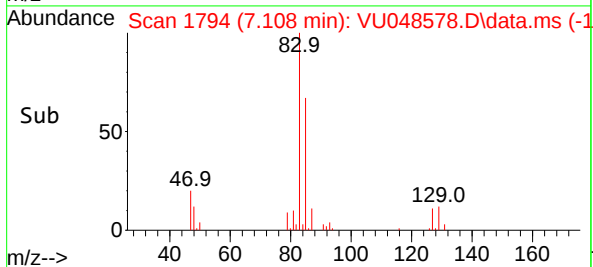
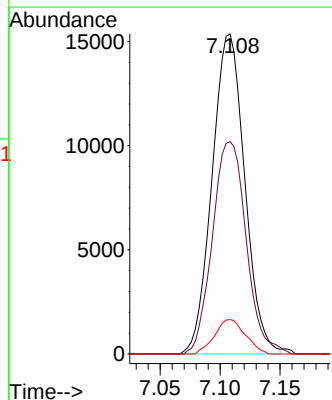
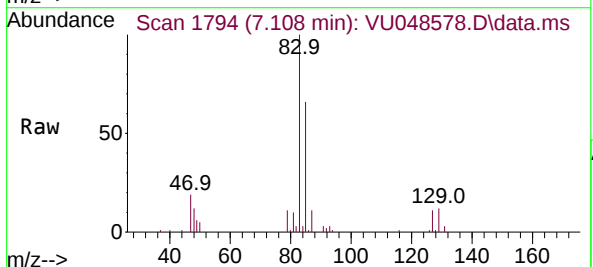
Tgt Ion: 83 Resp: 29043

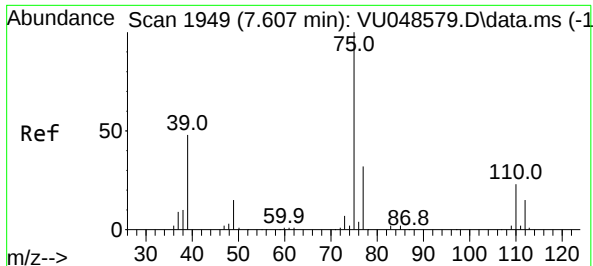
Ion Ratio Lower Upper

83 100

85 66.4 46.1 85.5

127 10.8 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 7.975 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

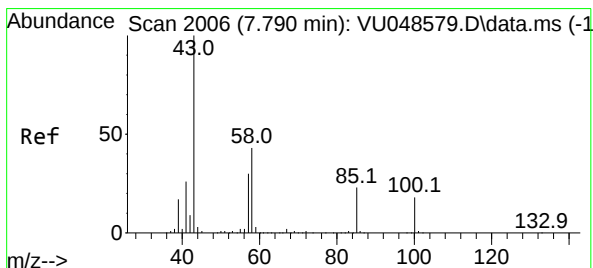
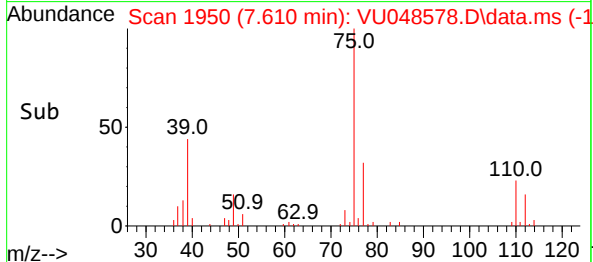
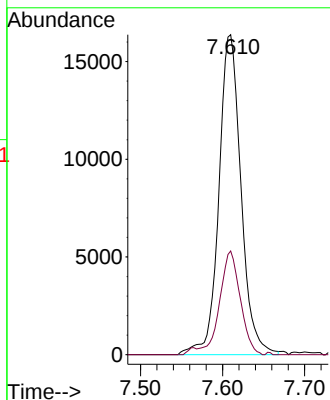
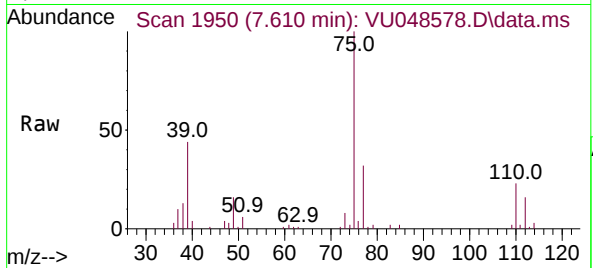
VSTD010069

Tgt Ion: 75 Resp: 30760

Ion Ratio Lower Upper

75 100

77 32.4 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 12.563 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

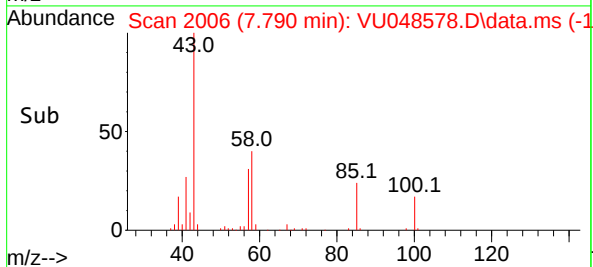
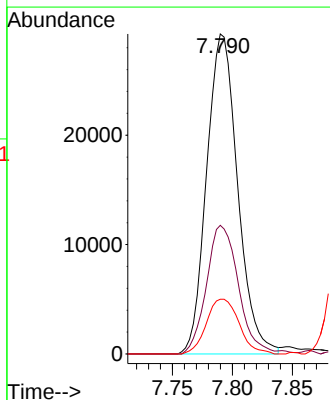
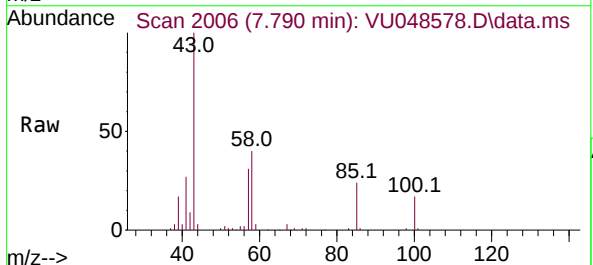
Tgt Ion: 43 Resp: 52605

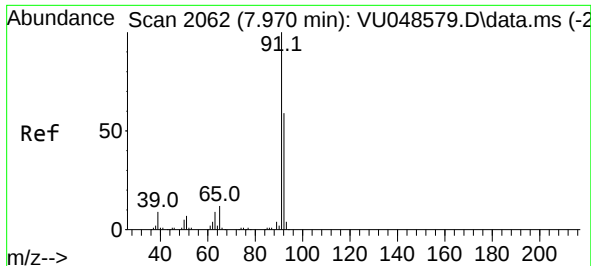
Ion Ratio Lower Upper

43 100

58 41.1 34.3 51.5

100 18.0 14.7 22.1





#42

Toluene

Concen: 7.988 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

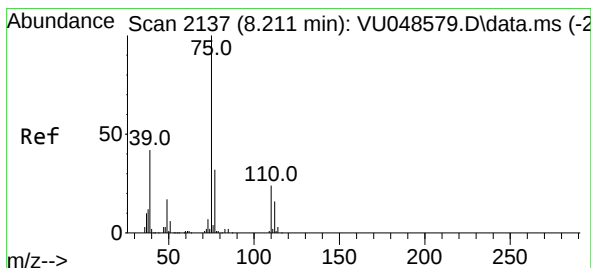
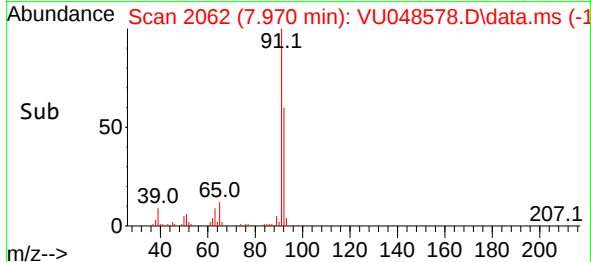
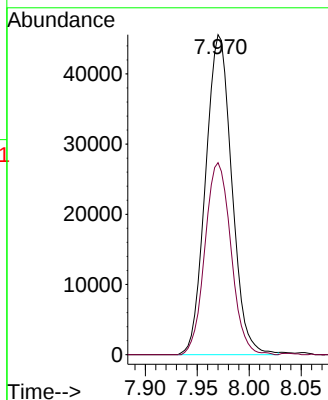
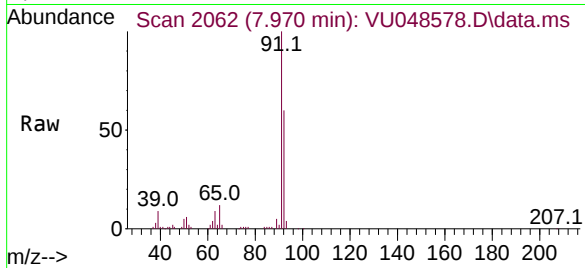
VSTD010069

Tgt Ion: 91 Resp: 80037

Ion Ratio Lower Upper

91 100

92 60.0 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 8.280 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048578.D

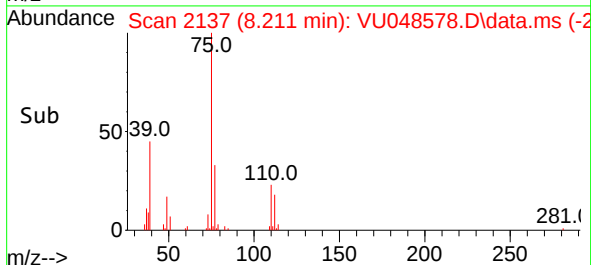
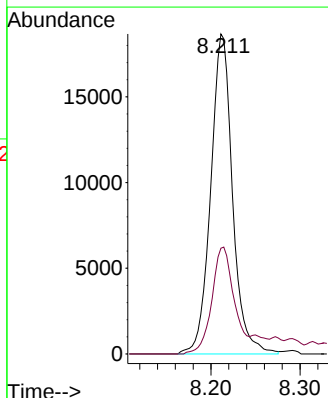
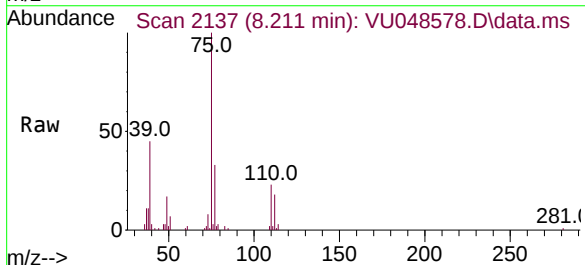
Acq: 16 May 2022 13:04

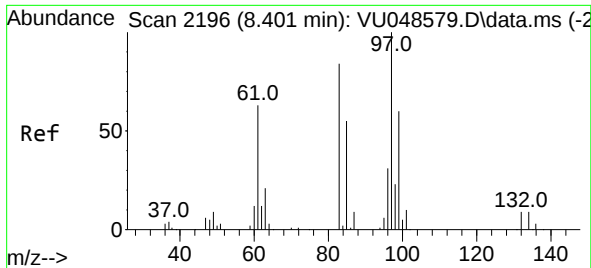
Tgt Ion: 75 Resp: 31753

Ion Ratio Lower Upper

75 100

77 33.1 22.7 42.1

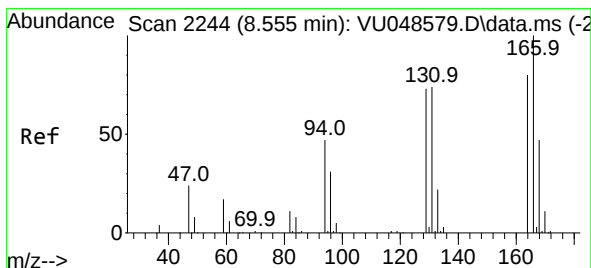
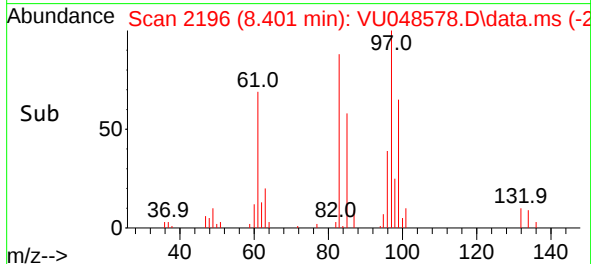
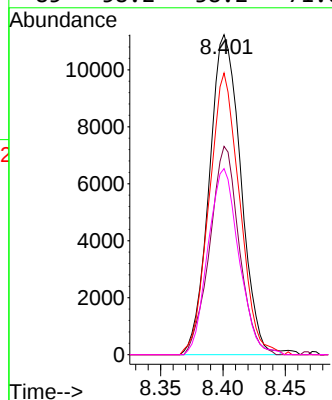
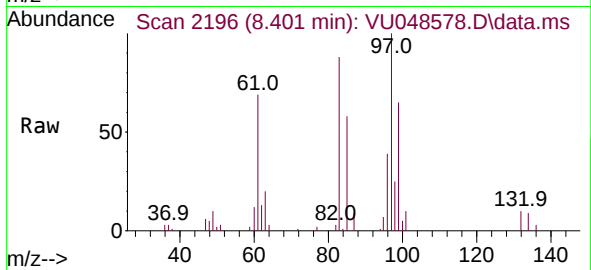




#45
1,1,2-Trichloroethane
Concen: 8.035 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

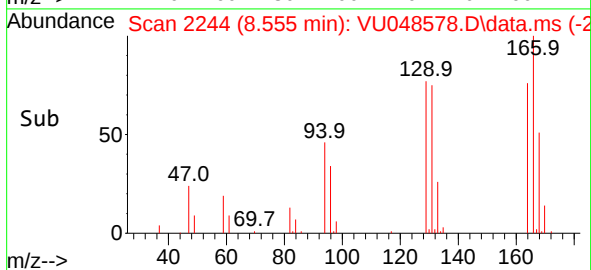
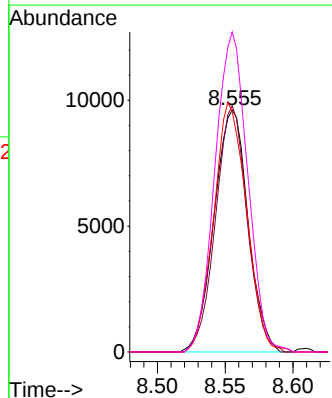
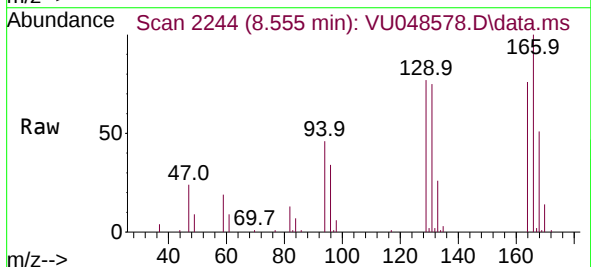
Instrument :
MSVOA_U
ClientSampleId :
VSTD010069

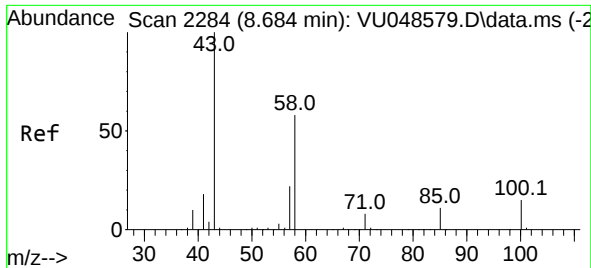
Tgt Ion:	97	Resp:	19769
Ion	Ratio	Lower	Upper
97	100		
99	65.1	42.2	78.4
83	88.0	58.4	108.6
85	58.2	38.2	71.0



#46
Tetrachloroethene
Concen: 8.974 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

Tgt Ion:	164	Resp:	16693
Ion	Ratio	Lower	Upper
164	100		
129	101.7	64.3	119.3
131	99.3	64.5	119.7
166	132.2	87.5	162.5

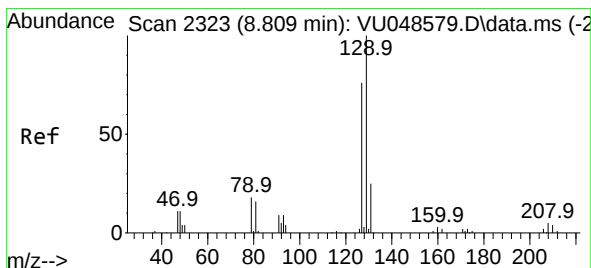
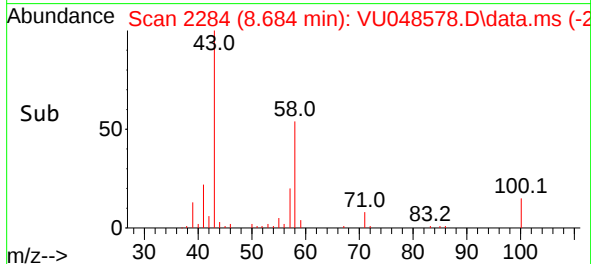
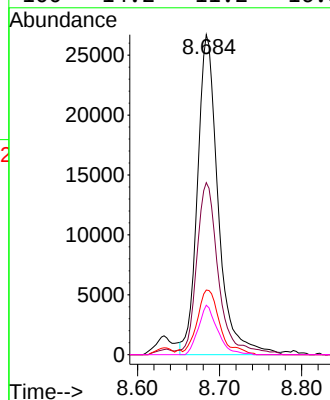
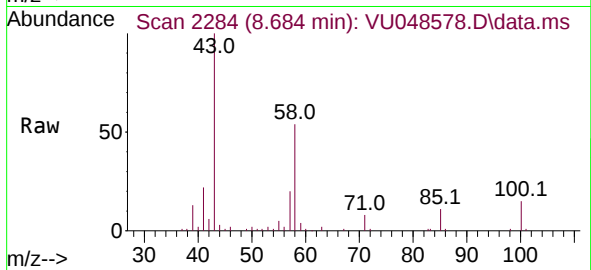




#48
2-Hexanone
Concen: 13.364 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

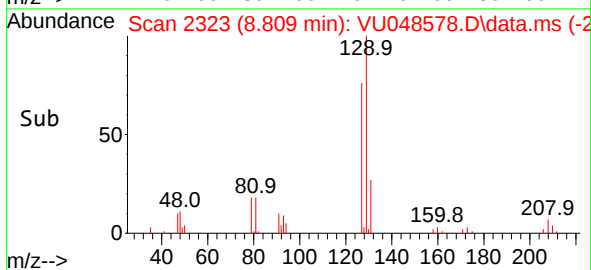
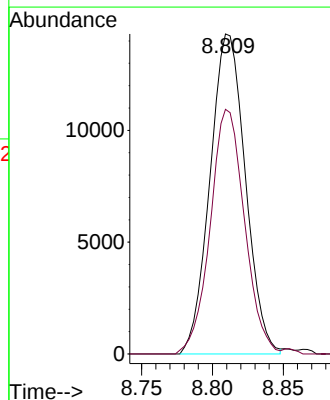
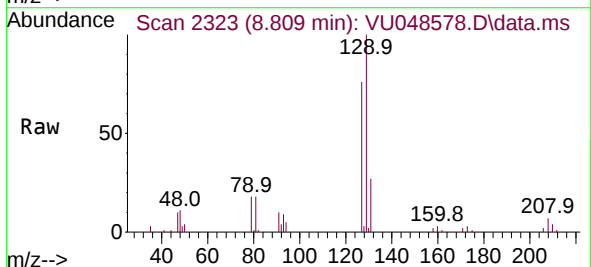
Instrument :
MSVOA_U
ClientSampleId :
VSTD010069

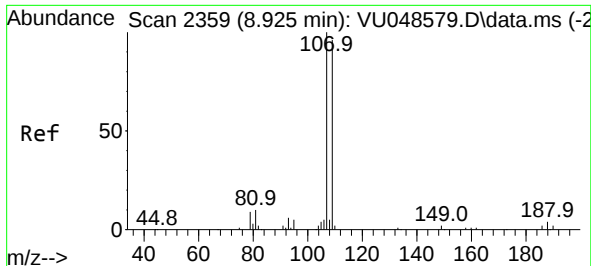
Tgt Ion:	43	Resp:	46895
Ion	Ratio	Lower	Upper
43	100		
58	51.4	45.8	68.6
57	18.8	16.8	25.2
100	14.2	11.2	16.8



#49
Dibromochloromethane
Concen: 9.079 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

Tgt Ion:	129	Resp:	24873
Ion	Ratio	Lower	Upper
129	100		
127	76.5	53.1	98.5





#50

1,2-Dibromoethane

Concen: 8.436 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD010069

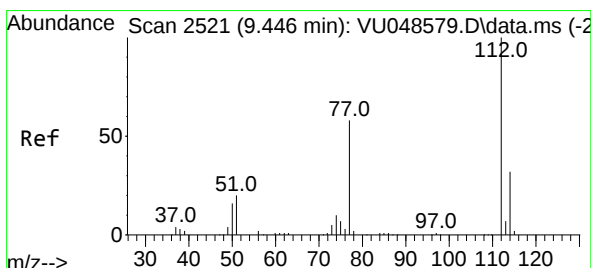
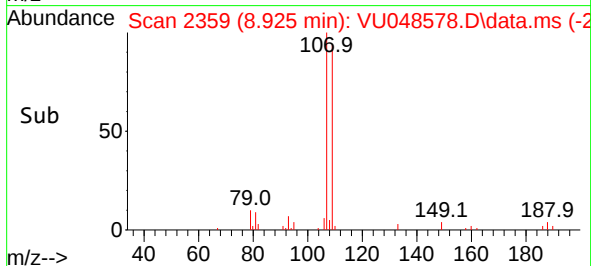
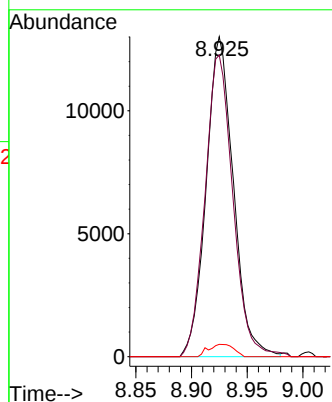
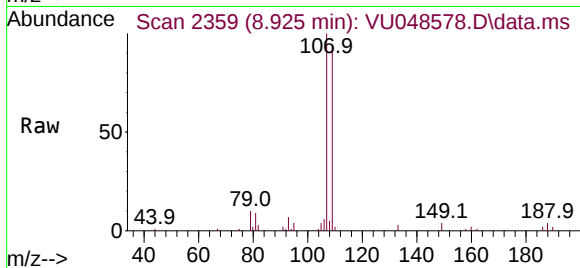
Tgt Ion:107 Resp: 22155

Ion Ratio Lower Upper

107 100

109 94.2 67.5 125.3

188 3.9 3.4 5.2



#51

Chlorobenzene

Concen: 8.650 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.003 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

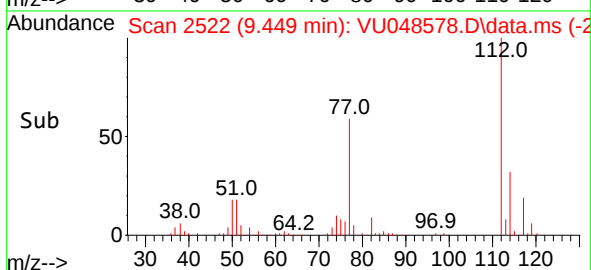
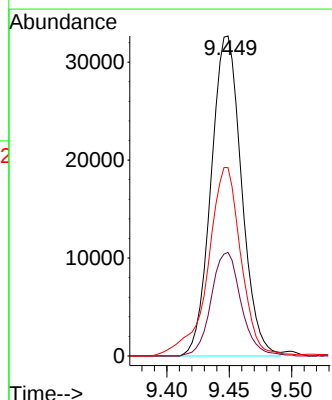
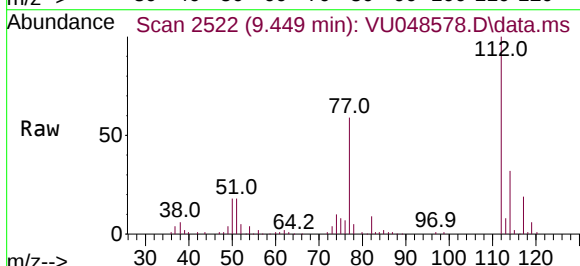
Tgt Ion:112 Resp: 55619

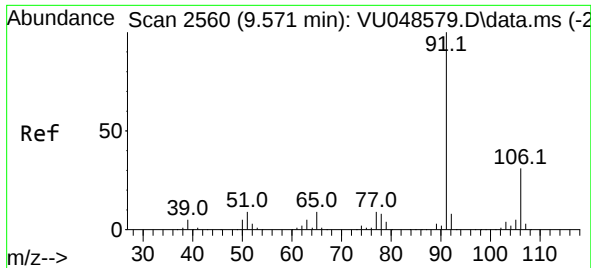
Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.5

77 58.9 46.5 69.7

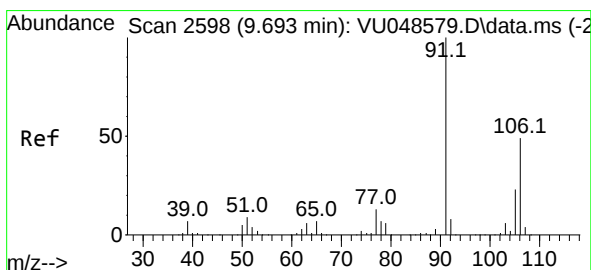
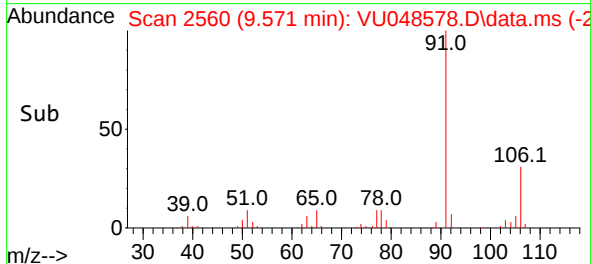
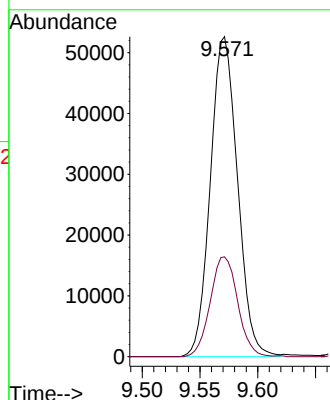
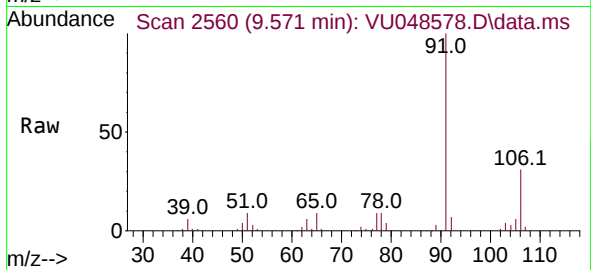




#52
Ethylbenzene
Concen: 8.149 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

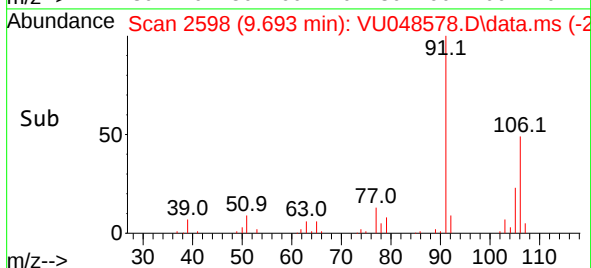
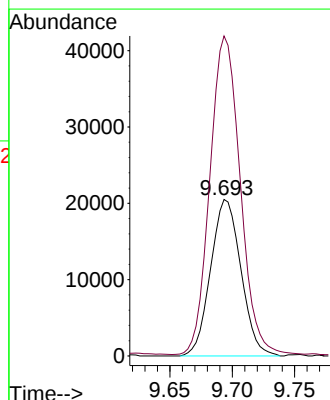
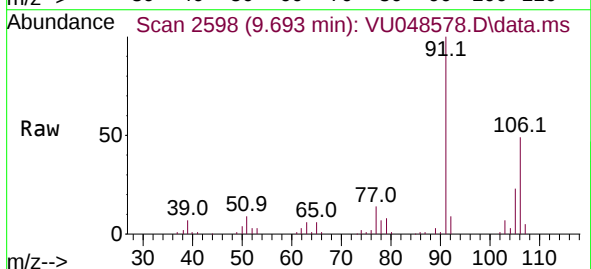
Instrument :
MSVOA_U
ClientSampleId :
VSTD010069

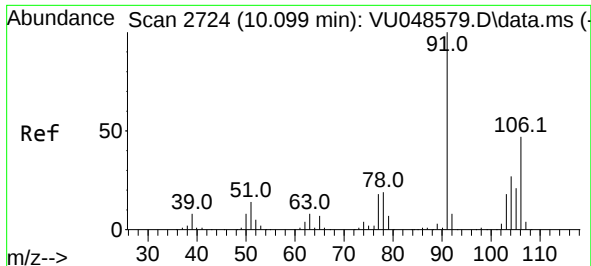
Tgt Ion: 91 Resp: 86153
Ion Ratio Lower Upper
91 100
106 31.2 21.8 40.6



#53
m,p-Xylene
Concen: 8.430 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

Tgt Ion: 106 Resp: 34729
Ion Ratio Lower Upper
106 100
91 204.5 141.8 263.4

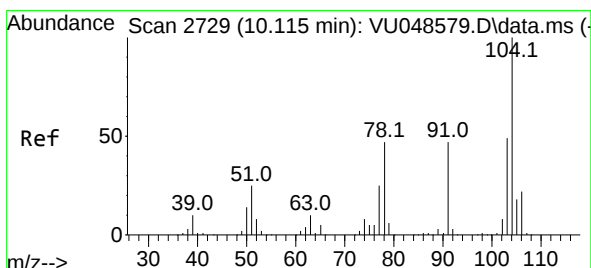
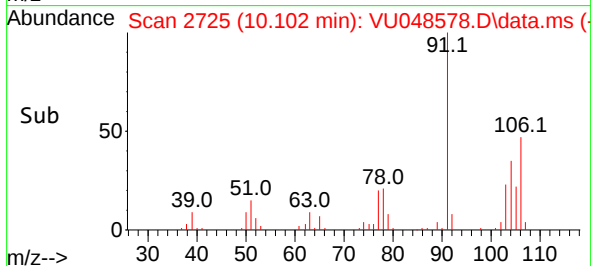
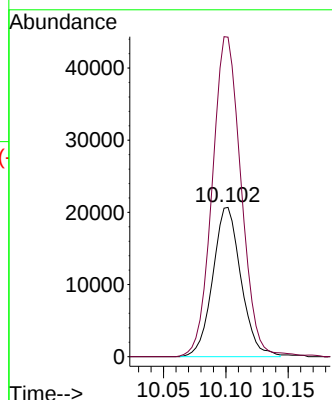
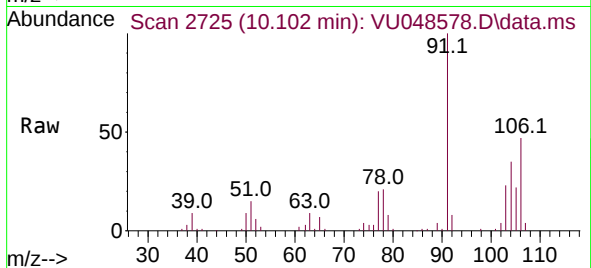




#54
o-Xylene
Concen: 7.964 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

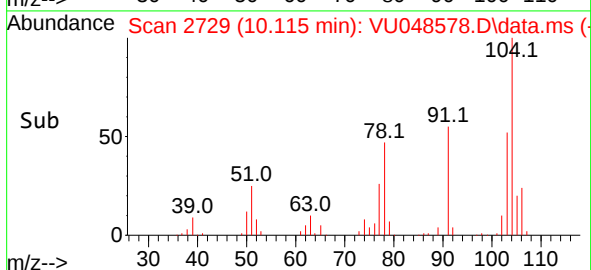
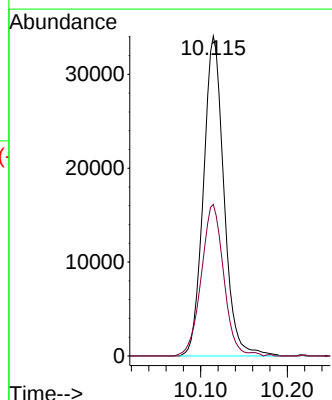
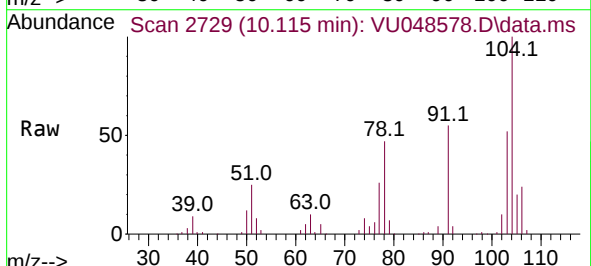
Instrument :
MSVOA_U
ClientSampleId :
VSTD010069

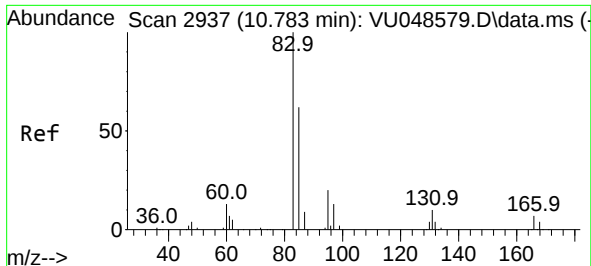
Tgt Ion:106 Resp: 32652
Ion Ratio Lower Upper
106 100
91 214.0 150.1 278.9



#55
Styrene
Concen: 8.297 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

Tgt Ion:104 Resp: 55952
Ion Ratio Lower Upper
104 100
78 47.4 32.7 60.7





#57

1,1,2,2-Tetrachloroethane

Concen: 7.169 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD010069

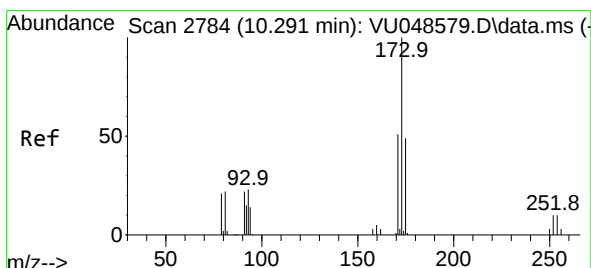
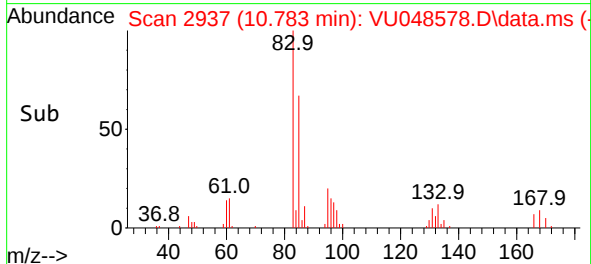
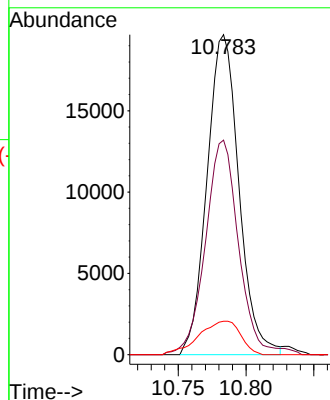
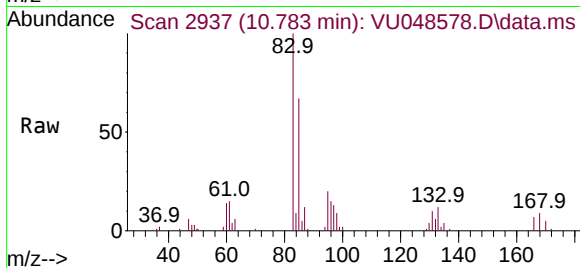
Tgt Ion: 83 Resp: 32230

Ion Ratio Lower Upper

83 100

85 67.0 44.1 81.9

131 10.4 8.9 13.3



#59

Bromoform

Concen: 8.252 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

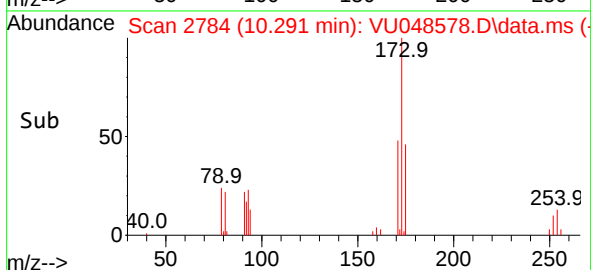
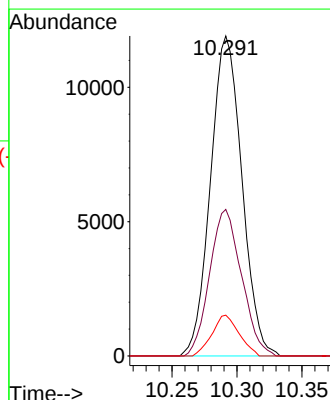
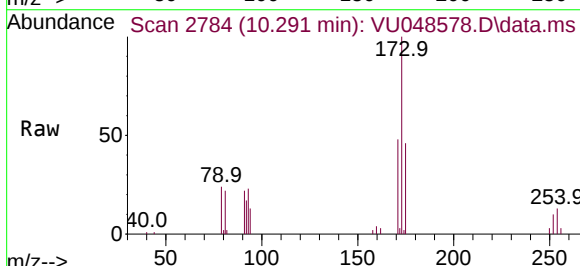
Tgt Ion:173 Resp: 20009

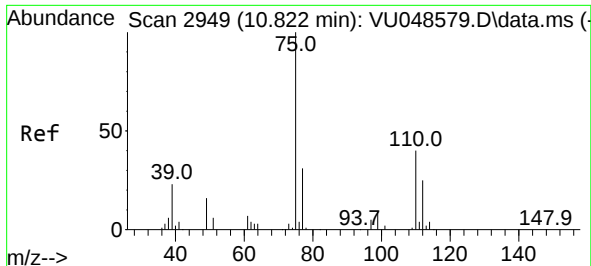
Ion Ratio Lower Upper

173 100

175 46.5 38.2 57.4

254 11.0 7.7 11.5

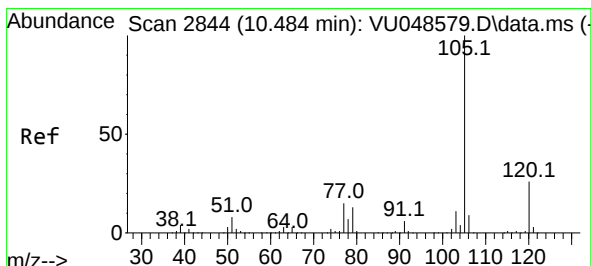
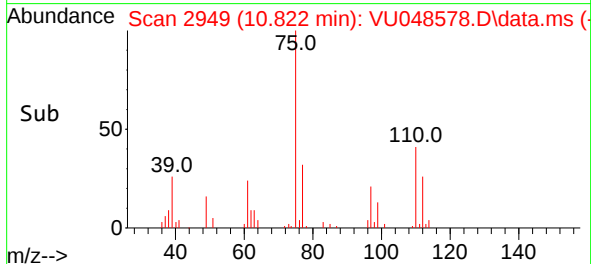
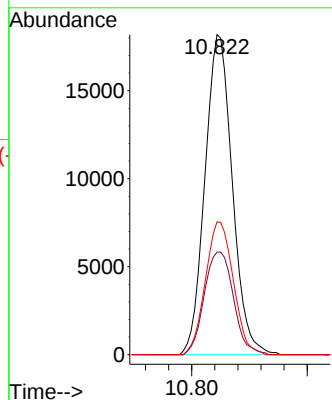
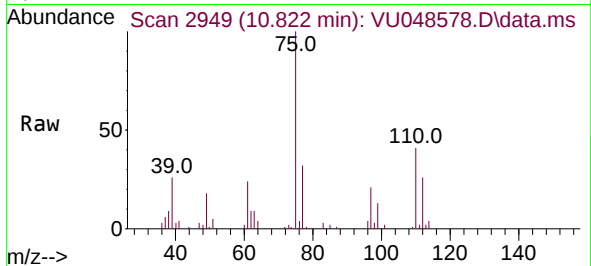




#60
 1,2,3-Trichloropropane
 Concen: 7.032 ug/L
 RT: 10.822 min Scan# 2949
 Delta R.T. -0.000 min
 Lab File: VU048578.D
 Acq: 16 May 2022 13:04

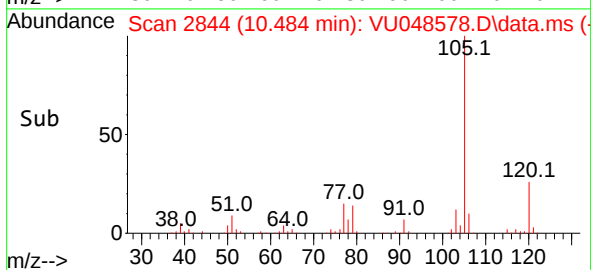
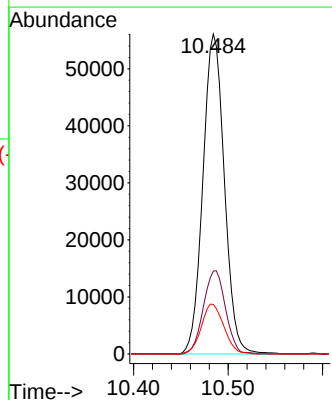
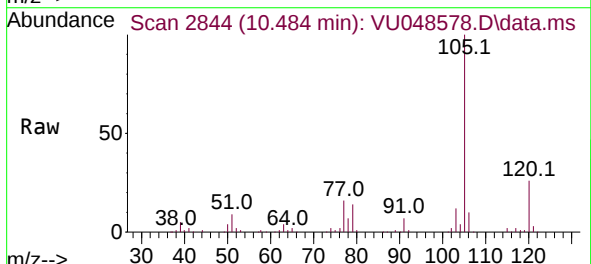
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010069

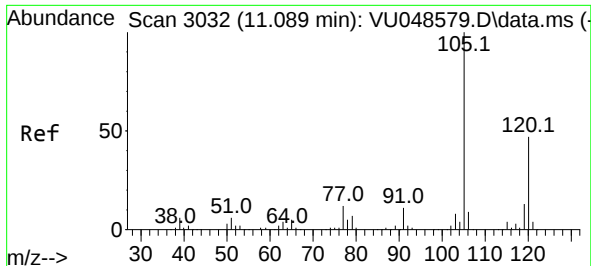
Tgt Ion:	75	Resp:	29934
Ion	Ratio	Lower	Upper
75	100		
77	34.2	25.4	38.0
110	42.2	32.1	48.1



#61
 Isopropylbenzene
 Concen: 7.544 ug/L
 RT: 10.484 min Scan# 2844
 Delta R.T. -0.000 min
 Lab File: VU048578.D
 Acq: 16 May 2022 13:04

Tgt Ion:	105	Resp:	88504
Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.0	31.6
77	16.3	12.5	18.7





#62

1,3,5-Trimethylbenzene

Concen: 7.450 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

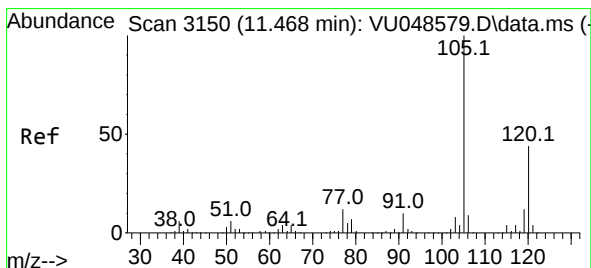
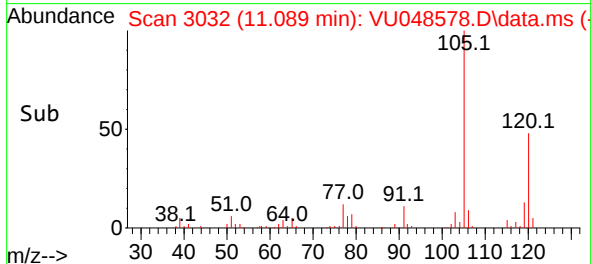
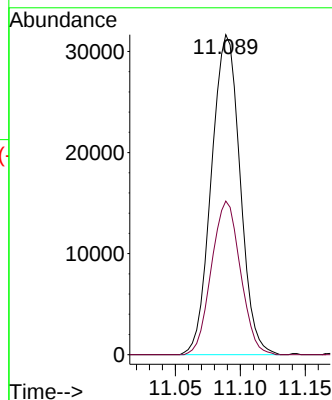
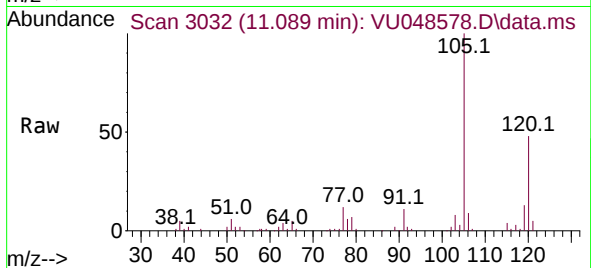
VSTD010069

Tgt Ion:105 Resp: 48568

Ion Ratio Lower Upper

105 100

120 48.5 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 7.583 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU048578.D

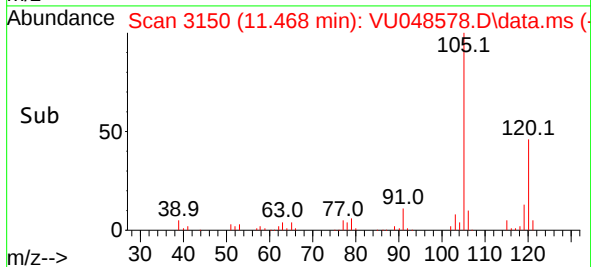
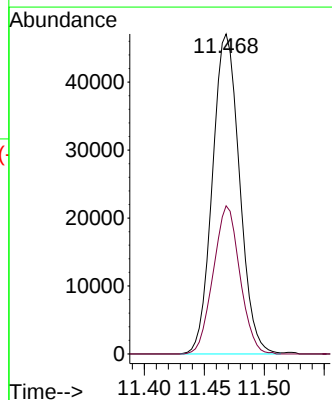
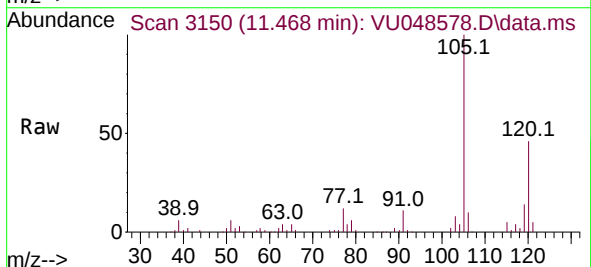
Acq: 16 May 2022 13:04

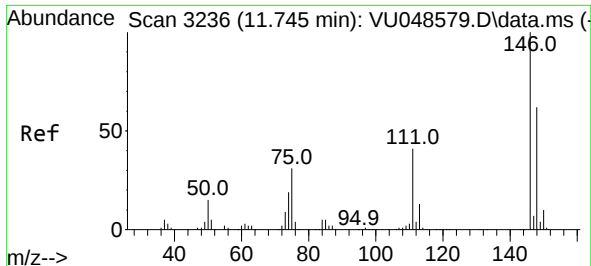
Tgt Ion:105 Resp: 73866

Ion Ratio Lower Upper

105 100

120 45.5 35.4 53.2

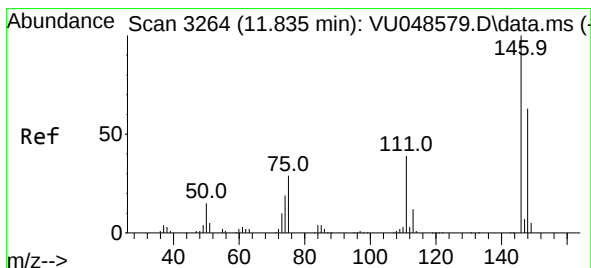
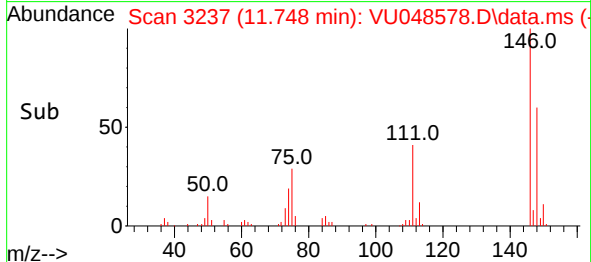
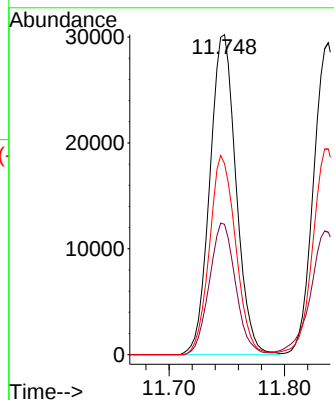
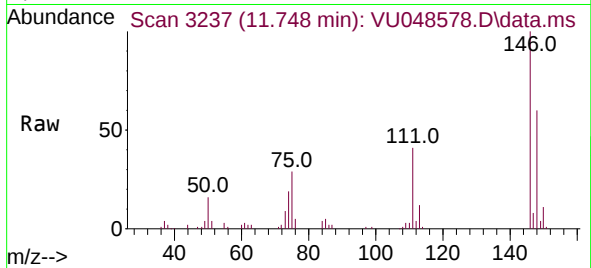




#64
 1,3-Dichlorobenzene
 Concen: 8.534 ug/L
 RT: 11.748 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU048578.D
 Acq: 16 May 2022 13:04

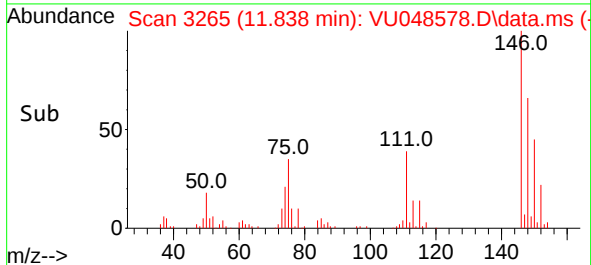
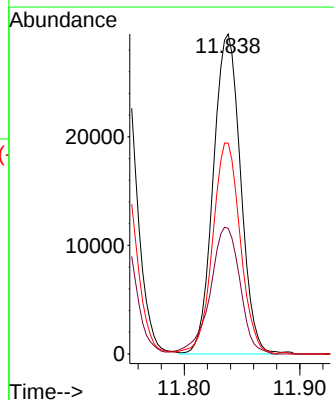
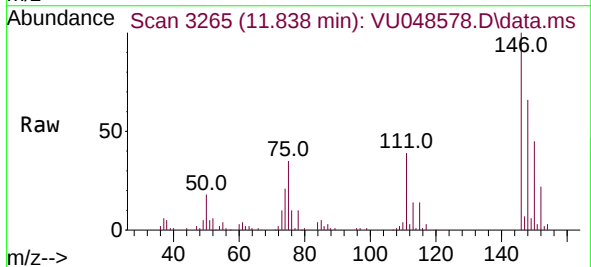
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010069

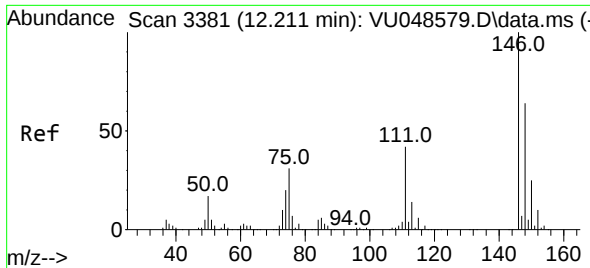
Tgt Ion:146 Resp: 47729
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.7 53.3
 148 59.7 43.7 81.1



#65
 1,4-Dichlorobenzene
 Concen: 8.586 ug/L
 RT: 11.838 min Scan# 3265
 Delta R.T. 0.003 min
 Lab File: VU048578.D
 Acq: 16 May 2022 13:04

Tgt Ion:146 Resp: 48329
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.6 51.2
 148 65.9 44.2 82.2

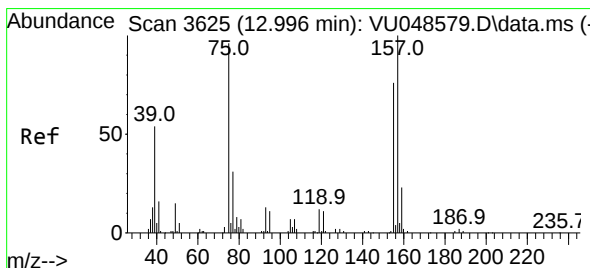
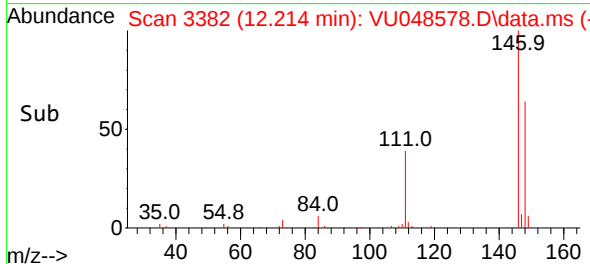
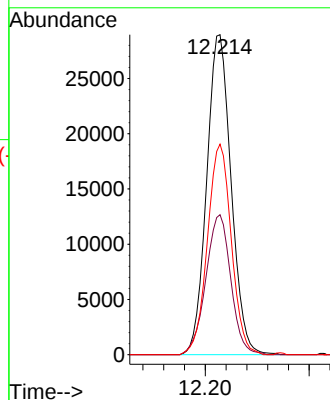
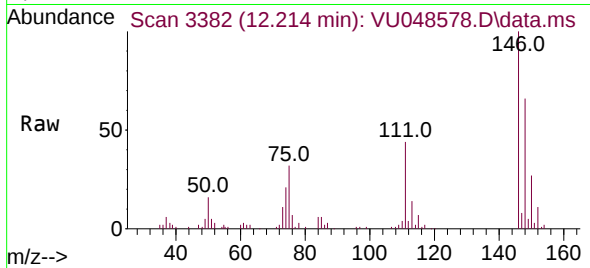




#67
1,2-Dichlorobenzene
Concen: 8.297 ug/L
RT: 12.214 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

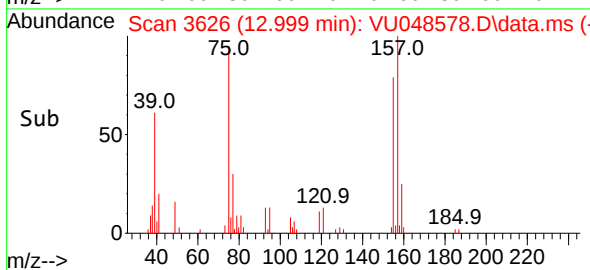
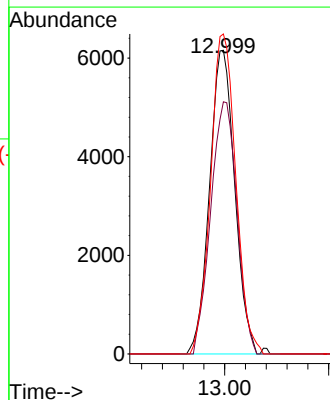
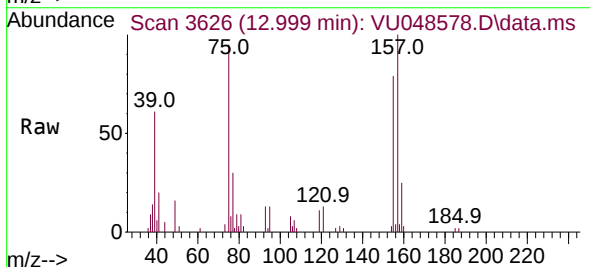
Instrument :
MSVOA_U
ClientSampleId :
VSTD010069

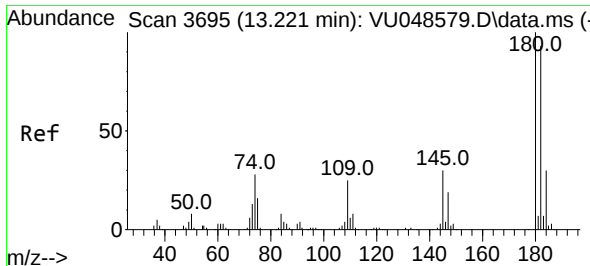
Tgt Ion:146 Resp: 47250
Ion Ratio Lower Upper
146 100
111 43.8 34.1 51.1
148 65.8 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 7.944 ug/L
RT: 12.999 min Scan# 3626
Delta R.T. 0.003 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

Tgt Ion: 75 Resp: 10398
Ion Ratio Lower Upper
75 100
155 83.0 63.5 95.3
157 105.4 83.5 125.3





#69

1,3,5-Trichlorobenzene

Concen: 8.955 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. -0.000 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD010069

Tgt Ion:180 Resp: 36234

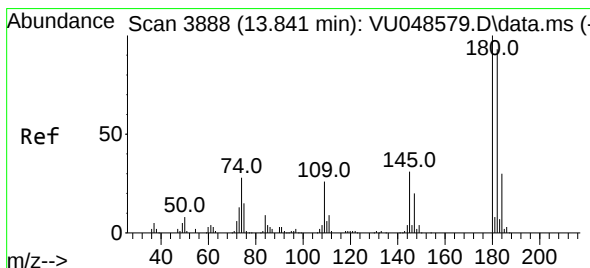
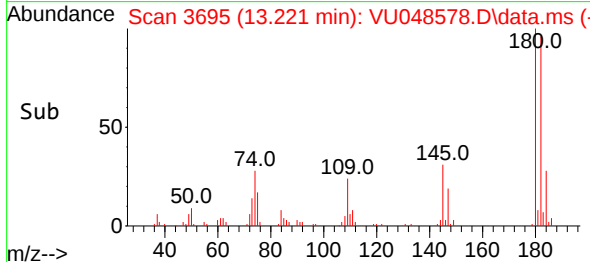
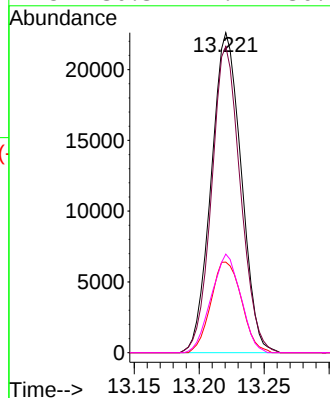
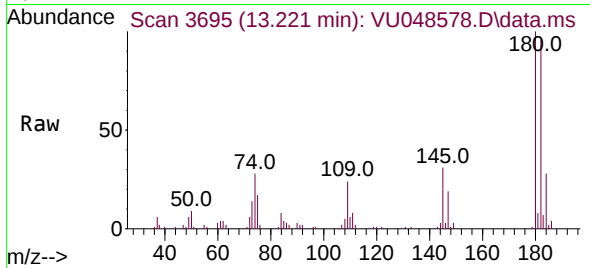
Ion Ratio Lower Upper

180 100

182 91.7 75.8 113.6

184 29.0 23.4 35.2

145 30.3 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 8.651 ug/L

RT: 13.844 min Scan# 3889

Delta R.T. 0.003 min

Lab File: VU048578.D

Acq: 16 May 2022 13:04

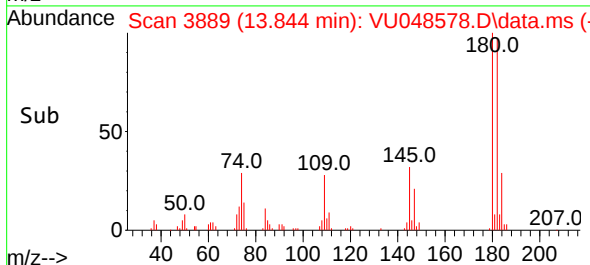
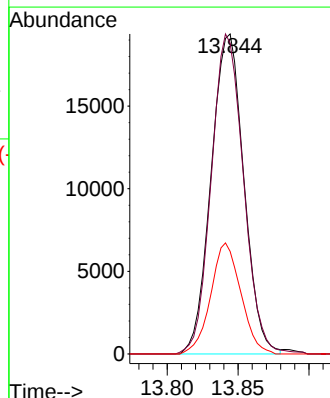
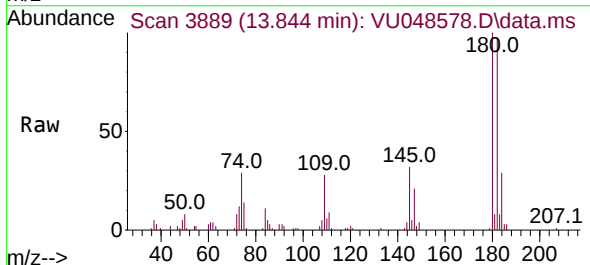
Tgt Ion:180 Resp: 31090

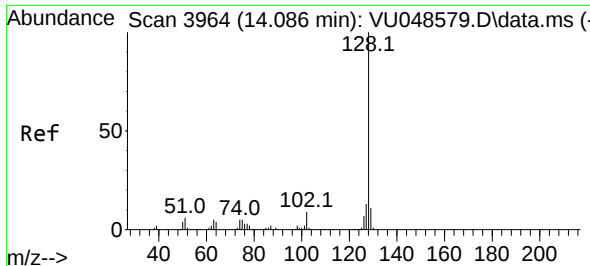
Ion Ratio Lower Upper

180 100

182 98.3 75.8 113.8

145 32.0 24.9 37.3

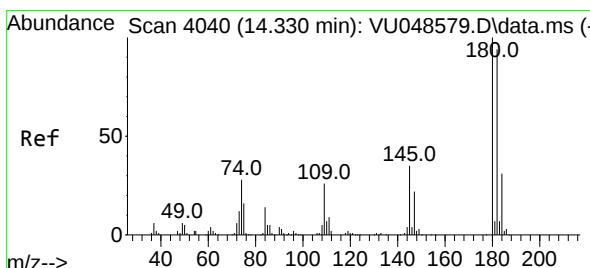
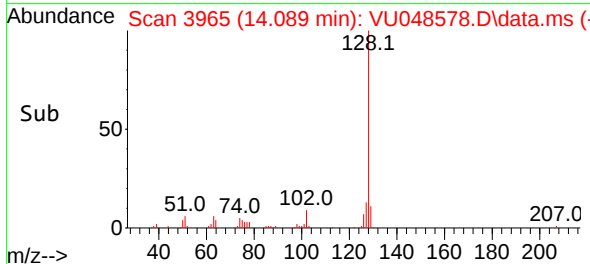
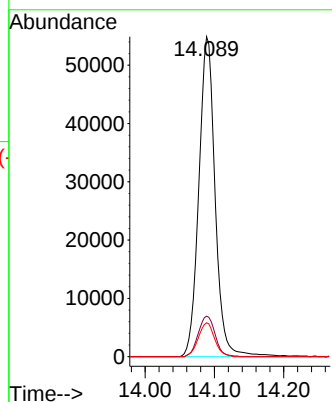
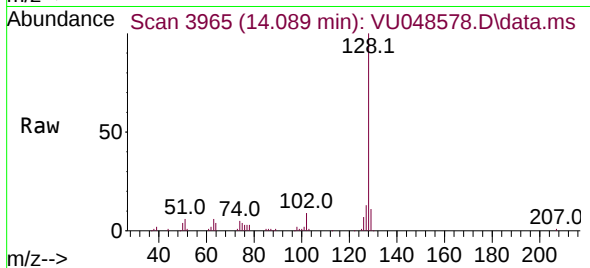




#71
Naphthalene
Concen: 6.598 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD010069

Tgt Ion:128 Resp: 89814
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.6 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 8.320 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU048578.D
Acq: 16 May 2022 13:04

Tgt Ion:180 Resp: 31427
Ion Ratio Lower Upper
180 100
182 93.4 75.6 113.4
145 34.3 27.1 40.7

