

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051622\
 Data File : VU048579.D
 Acq On : 16 May 2022 13:28
 Operator : SY/MD
 Sample : VSTD05070
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050070

Quant Time: May 17 06:43:26 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	268269	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	257073	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	155507	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	76867	35.602	ug/L	0.00
7) Chloroethane-d5	1.912	69	59904	42.374	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	63	181444	45.138	ug/L	0.00
21) 2-Butanone-d5	4.629	46	163291	85.966	ug/L	0.00
24) Chloroform-d	5.063	84	205068	50.963	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	144744	54.425	ug/L	0.00
32) Benzene-d6	5.729	84	359111	46.957	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	104605	42.946	ug/L	0.00
41) Toluene-d8	7.899	98	343736	50.158	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	66202	55.336	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	122892	100.673	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	169313	45.068	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	150385	48.901	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	147095	57.738	ug/L	100
3) Chloromethane	1.523	50	83703	32.322	ug/L	100
5) Vinyl chloride	1.604	62	93617	37.331	ug/L	100
6) Bromomethane	1.858	94	67895	51.924	ug/L	100
8) Chloroethane	1.932	64	55761	40.934	ug/L	100
9) Trichlorofluoromethane	2.137	101	189161	53.270	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	97688	48.922	ug/L	100
12) 1,1-Dichloroethene	2.581	96	88726	47.539	ug/L	100
13) Acetone	2.639	43	134221	89.724	ug/L	100
14) Carbon disulfide	2.793	76	247252	43.430	ug/L	100
15) Methyl Acetate	2.951	43	110965	38.320	ug/L	100
16) Methylene chloride	3.047	84	100235	44.463	ug/L	100
17) trans-1,2-Dichloroethene	3.356	96	94218	47.422	ug/L	100
18) Methyl tert-butyl Ether	3.366	73	337223	49.726	ug/L	100
19) 1,1-Dichloroethane	3.871	63	178185	44.029	ug/L	100
20) cis-1,2-Dichloroethene	4.668	96	108625	48.024	ug/L	100
22) 2-Butanone	4.710	43	171635	80.097	ug/L	100
23) Bromochloromethane	4.977	128	59876	49.623	ug/L	100
25) Chloroform	5.089	83	205817	50.041	ug/L	100
27) 1,2-Dichloroethane	5.797	62	177909	52.038	ug/L	100
29) Cyclohexane	5.391	56	141378	41.652	ug/L	100
30) 1,1,1-Trichloroethane	5.317	97	204268	55.425	ug/L	100
31) Carbon tetrachloride	5.526	117	187776	58.522	ug/L	100
33) Benzene	5.774	78	395660	45.479	ug/L	100
34) Trichloroethene	6.542	95	111078	50.377	ug/L	100
35) Methylcyclohexane	6.764	83	163035	47.583	ug/L	100
37) 1,2-Dichloropropane	6.790	63	99044	41.612	ug/L	100
38) Bromodichloromethane	7.105	83	161737	52.735	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	171352	48.952	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	309093	81.339	ug/L	100
42) Toluene	7.970	91	440075	48.398	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	183654	52.773	ug/L	100

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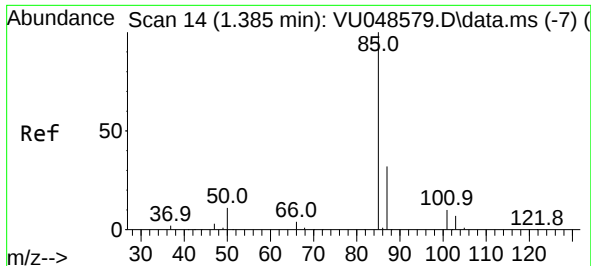
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 Quant Title : VOC Analysis
 QLast Update : Tue May 17 06:41:51 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	106622	47.751	ug/L	100
46) Tetrachloroethene	8.555	164	93586	55.440	ug/L	100
48) 2-Hexanone	8.684	43	264198	82.966	ug/L	100
49) Dibromochloromethane	8.809	129	137462	55.288	ug/L	100
50) 1,2-Dibromoethane	8.925	107	120797	50.687	ug/L	100
51) Chlorobenzene	9.446	112	295613	50.661	ug/L	100
52) Ethylbenzene	9.571	91	491437	51.221	ug/L	100
53) m,p-Xylene	9.693	106	199175	53.275	ug/L	100
54) o-Xylene	10.099	106	192810	51.823	ug/L	100
55) Styrene	10.115	104	333035	54.420	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	179152	43.913	ug/L	100
59) Bromoform	10.291	173	110866	49.472	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	161391	41.020	ug/L	100
61) Isopropylbenzene	10.484	105	515993	47.587	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	295488	49.043	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	463655	51.503	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	251193	48.598	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	254604	48.943	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	252012	47.881	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.996	75	60901	50.342	ug/L	100
69) 1,3,5-Trichlorobenzene	13.221	180	199106	53.239	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	181695	54.704	ug/L	100
71) Naphthalene	14.086	128	584122	46.427	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	181686	52.044	ug/L	100

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

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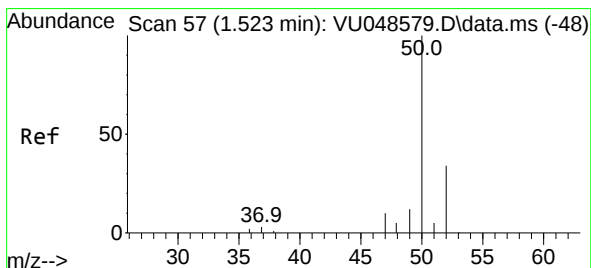
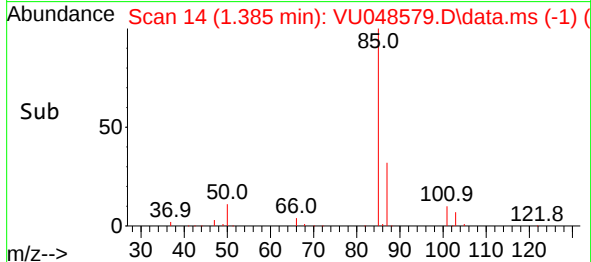
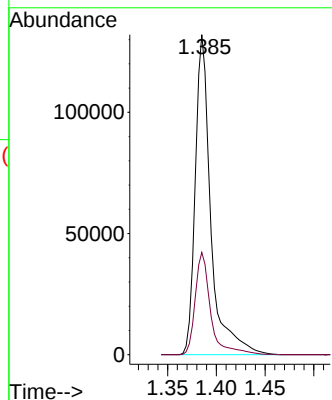
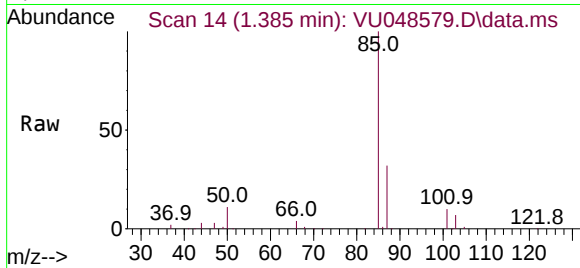




#2
Dichlorodifluoromethane
Concen: 57.738 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

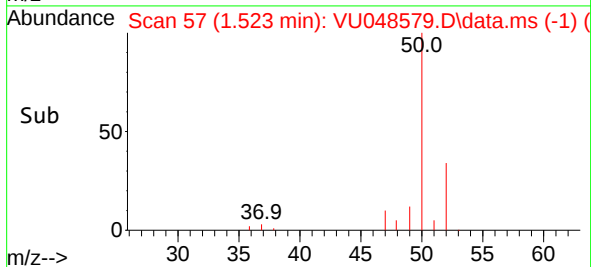
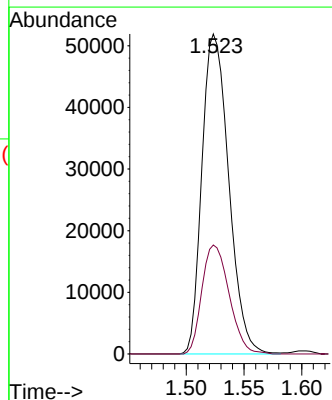
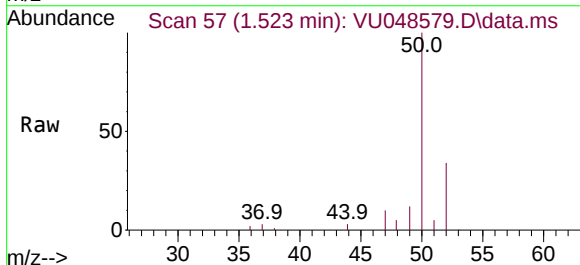
Instrument :
MSVOA_U
ClientSampleId :
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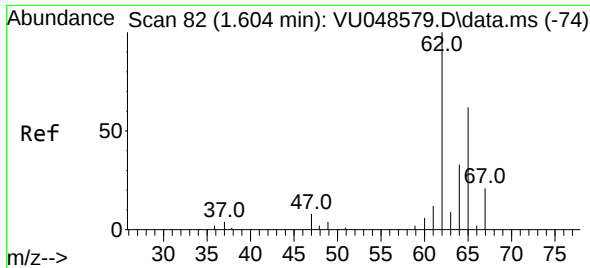
Tgt Ion: 85 Resp: 147095
Ion Ratio Lower Upper
85 100
87 31.8 25.4 38.2



#3
Chloromethane
Concen: 32.322 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

Tgt Ion: 50 Resp: 83703
Ion Ratio Lower Upper
50 100
52 34.0 23.8 44.2

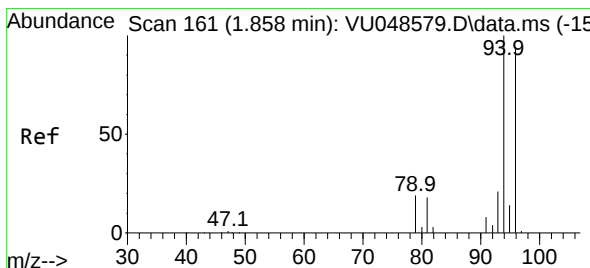
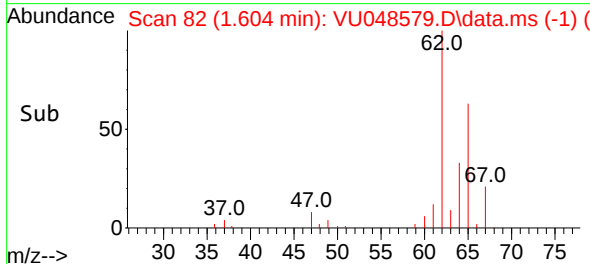
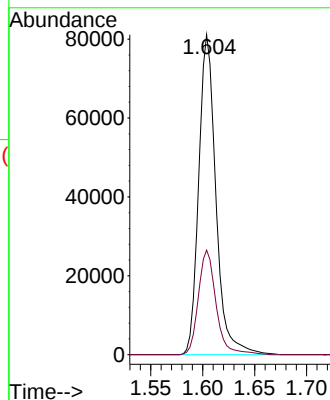
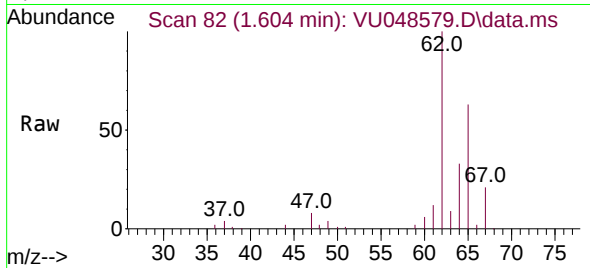




#5
 Vinyl chloride
 Concen: 37.331 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU048579.D
 Acq: 16 May 2022 13:28

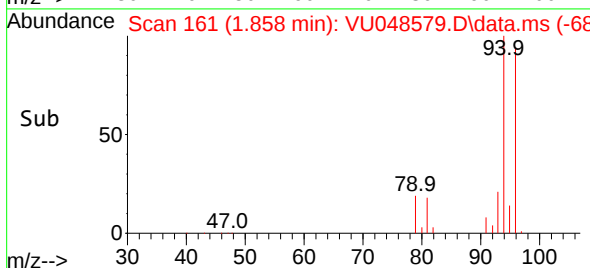
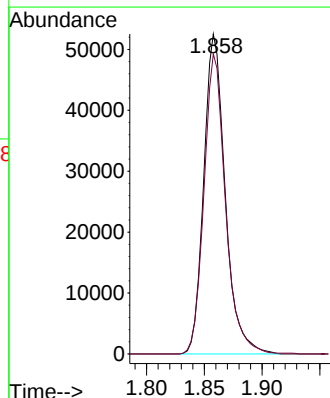
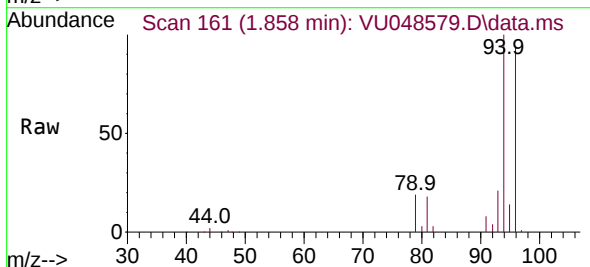
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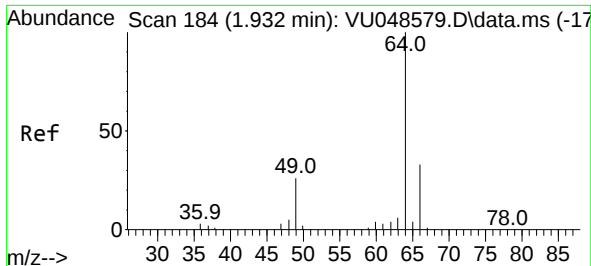
Tgt Ion: 62 Resp: 93617
 Ion Ratio Lower Upper
 62 100
 64 32.7 22.9 42.5



#6
 Bromomethane
 Concen: 51.924 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU048579.D
 Acq: 16 May 2022 13:28

Tgt Ion: 94 Resp: 67895
 Ion Ratio Lower Upper
 94 100
 96 93.8 65.7 121.9

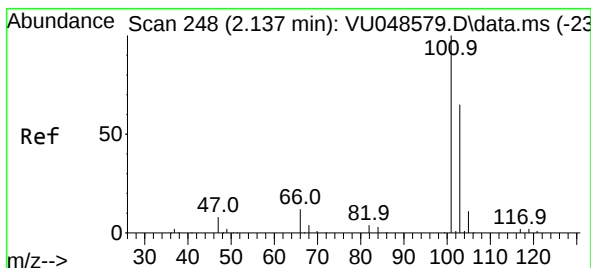
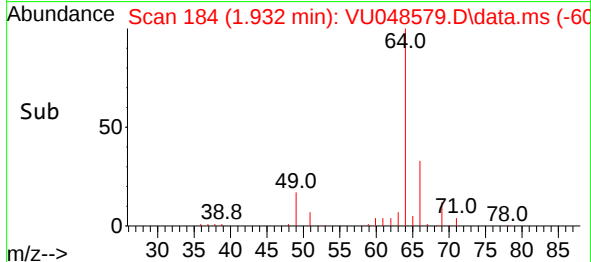
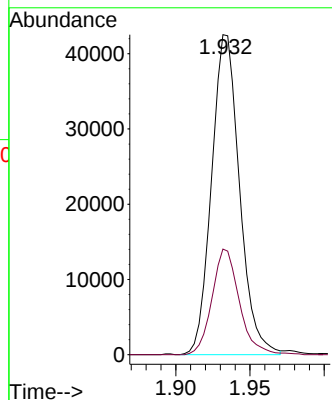
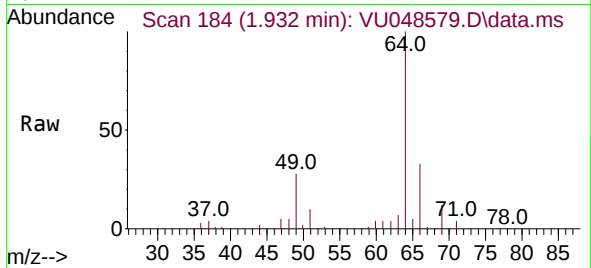




#8
Chloroethane
Concen: 40.934 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

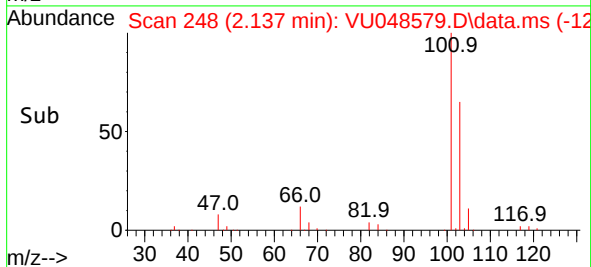
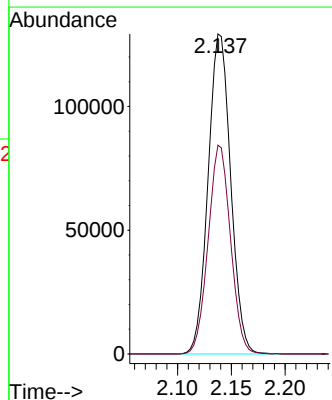
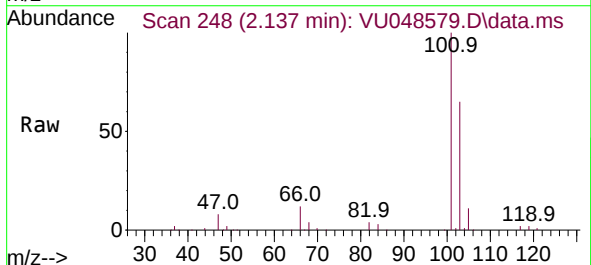
Instrument :
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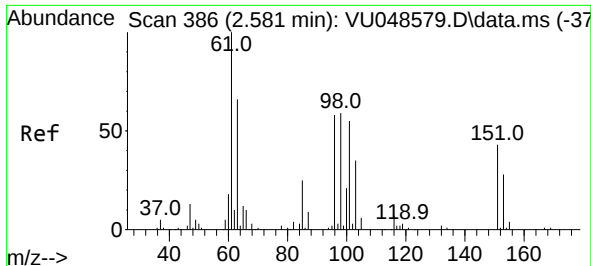
Tgt Ion: 64 Resp: 55761
Ion Ratio Lower Upper
64 100
66 33.0 23.1 42.9



#9
Trichlorofluoromethane
Concen: 53.270 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

Tgt Ion:101 Resp: 189161
Ion Ratio Lower Upper
101 100
103 64.5 51.6 77.4

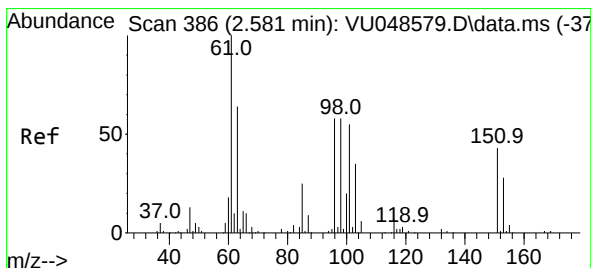
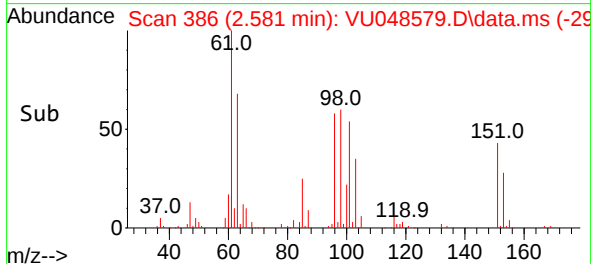
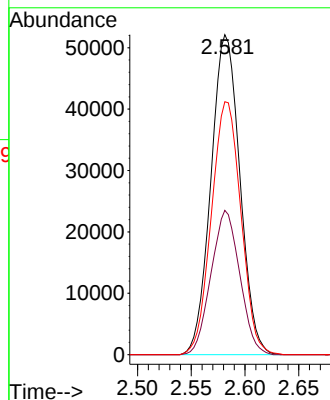
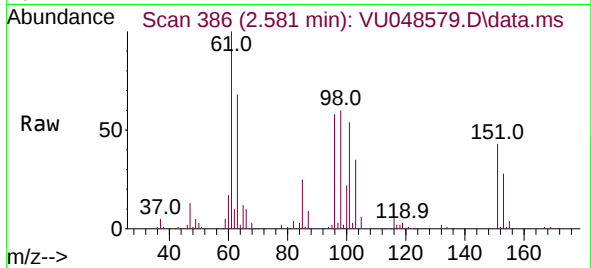




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.922 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU048579.D
 Acq: 16 May 2022 13:28

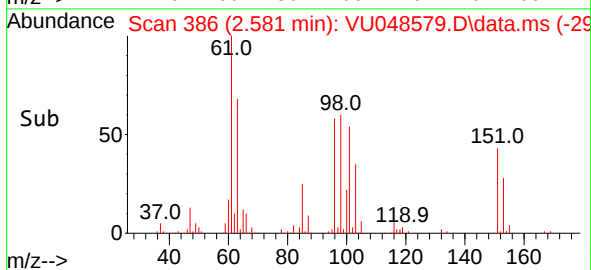
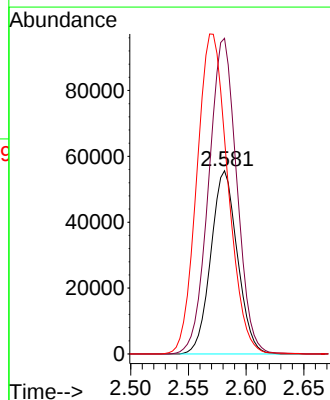
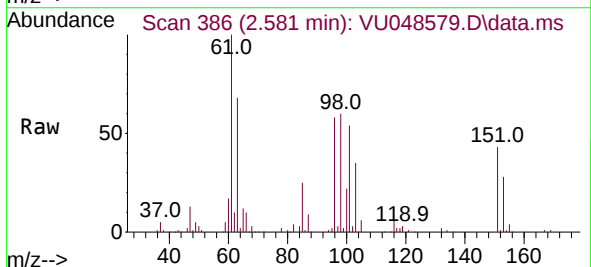
Instrument :
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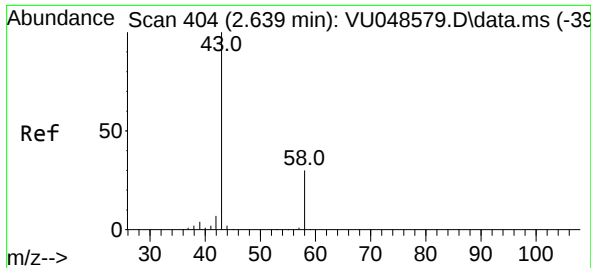
Tgt Ion:101 Resp: 97688
 Ion Ratio Lower Upper
 101 100
 85 44.6 35.7 53.5
 151 80.5 64.4 96.6



#12
 1,1-Dichloroethene
 Concen: 47.539 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU048579.D
 Acq: 16 May 2022 13:28

Tgt Ion: 96 Resp: 88726
 Ion Ratio Lower Upper
 96 100
 61 172.3 120.6 224.0
 63 117.6 82.3 152.9





#13

Acetone

Concen: 89.724 ug/L

RT: 2.639 min Scan# 404

Delta R.T. 0.000 min

Lab File: VU048579.D

Acq: 16 May 2022 13:28

Instrument :

MSVOA_U

ClientSampleId :

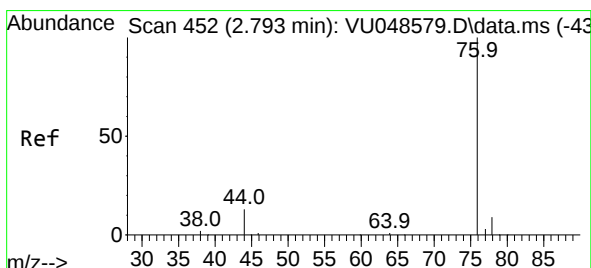
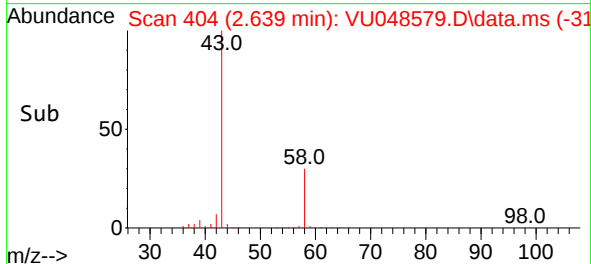
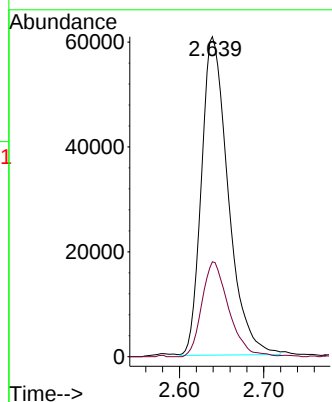
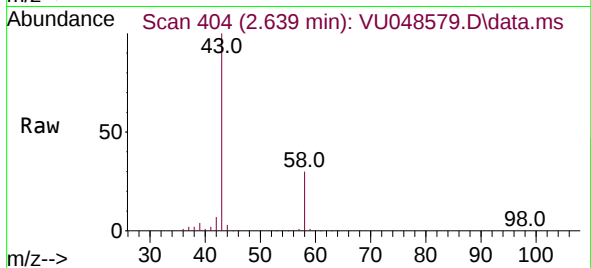
VSTD050070

Tgt Ion: 43 Resp: 134221

Ion Ratio Lower Upper

43 100

58 29.9 0.0 59.8



#14

Carbon disulfide

Concen: 43.430 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU048579.D

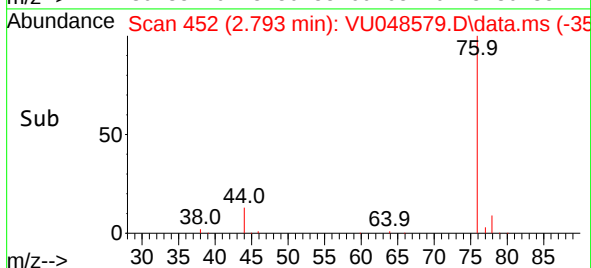
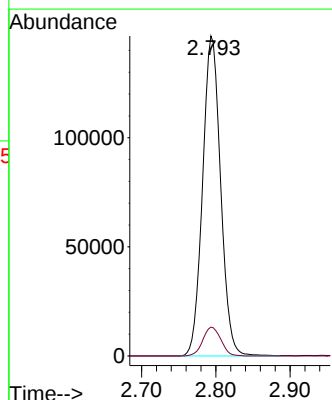
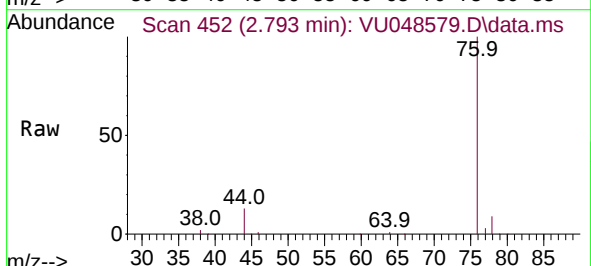
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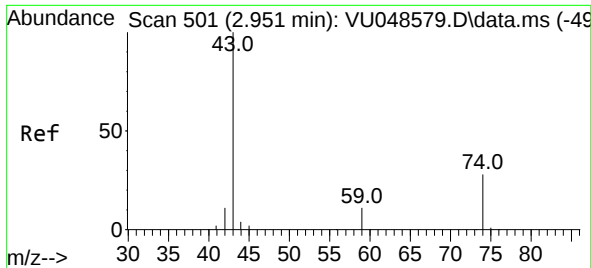
Tgt Ion: 76 Resp: 247252

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

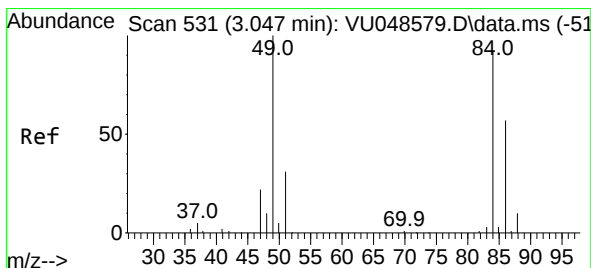
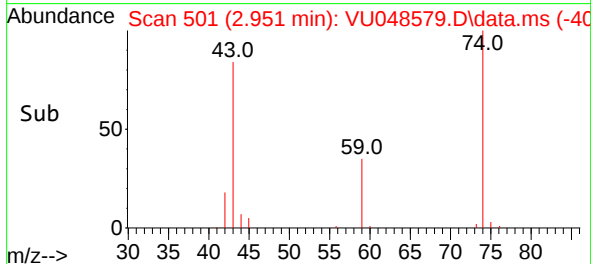
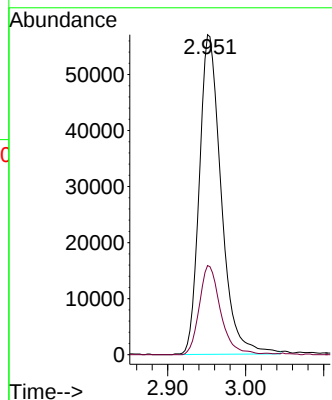
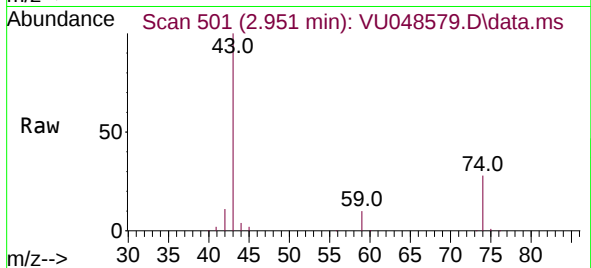




#15
Methyl Acetate
Concen: 38.320 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

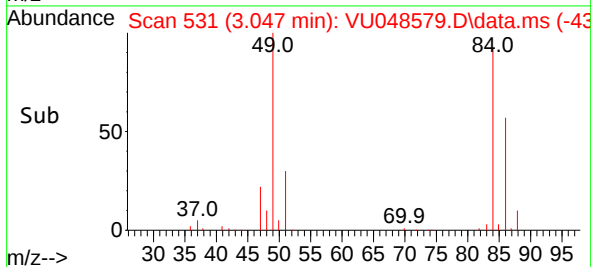
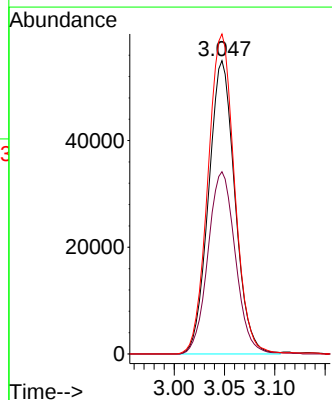
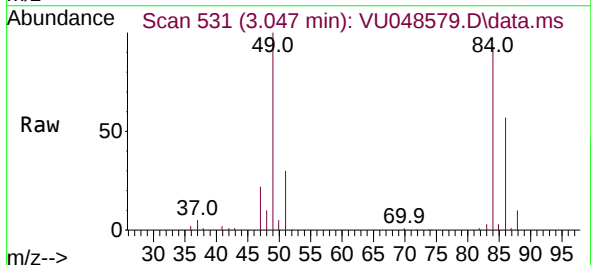
Instrument :
MSVOA_U
ClientSampleId :
VSTD050070

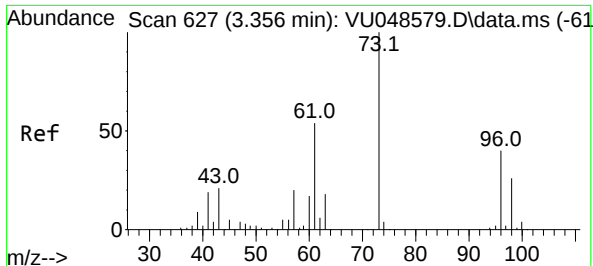
Tgt Ion: 43 Resp: 110965
Ion Ratio Lower Upper
43 100
74 27.1 21.7 32.5



#16
Methylene chloride
Concen: 44.463 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

Tgt Ion: 84 Resp: 100235
Ion Ratio Lower Upper
84 100
86 62.2 43.5 80.9
49 109.1 76.4 141.8





#17

trans-1,2-Dichloroethene

Concen: 47.422 ug/L

RT: 3.356 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU048579.D

Acq: 16 May 2022 13:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050070

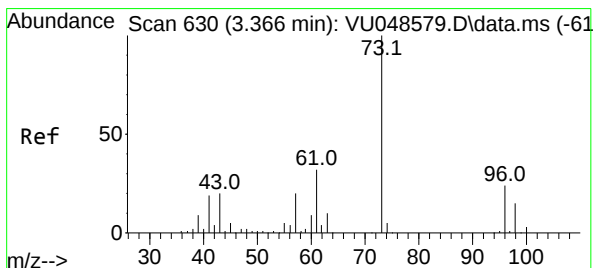
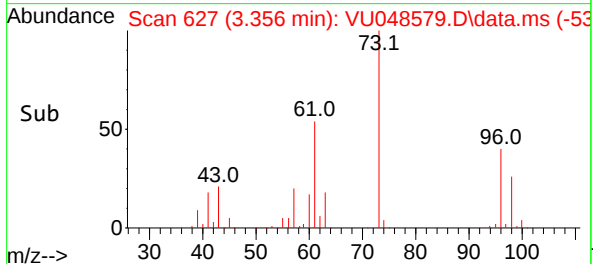
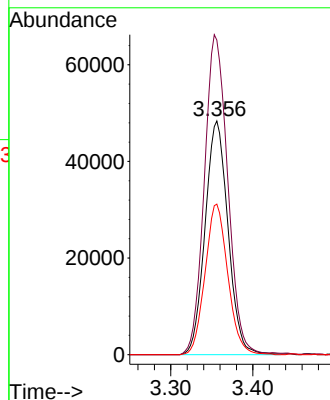
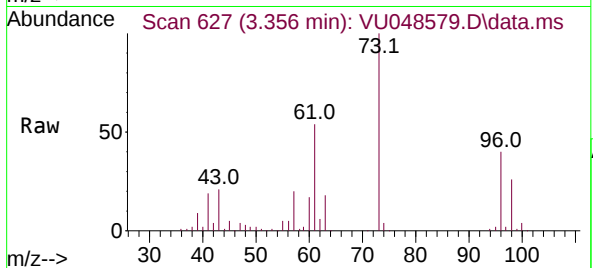
Tgt Ion: 96 Resp: 94218

Ion Ratio Lower Upper

96 100

61 134.6 94.2 175.0

98 64.4 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 49.726 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.000 min

Lab File: VU048579.D

Acq: 16 May 2022 13:28

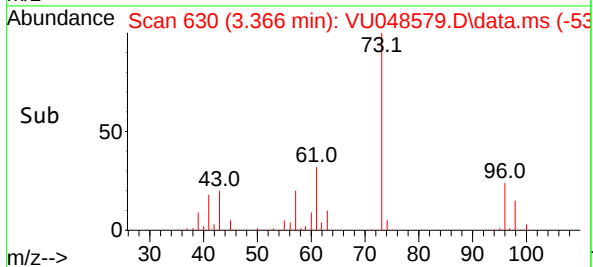
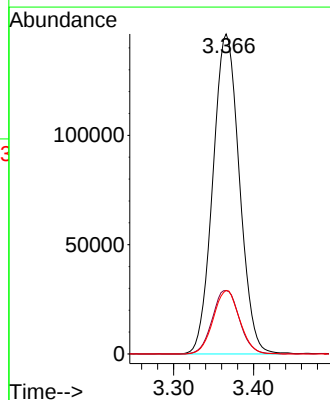
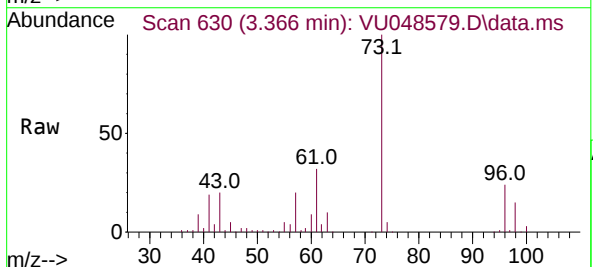
Tgt Ion: 73 Resp: 337223

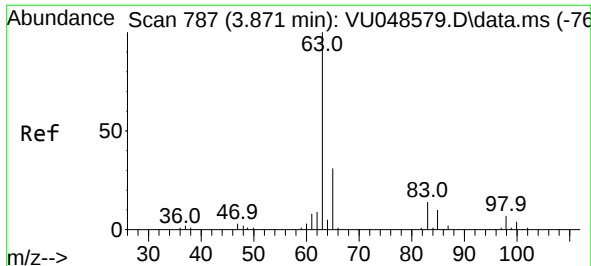
Ion Ratio Lower Upper

73 100

43 20.3 16.2 24.4

57 19.6 15.7 23.5





#19

1,1-Dichloroethane

Concen: 44.029 ug/L

RT: 3.871 min Scan# 787

Delta R.T. 0.000 min

Lab File: VU048579.D

Acq: 16 May 2022 13:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050070

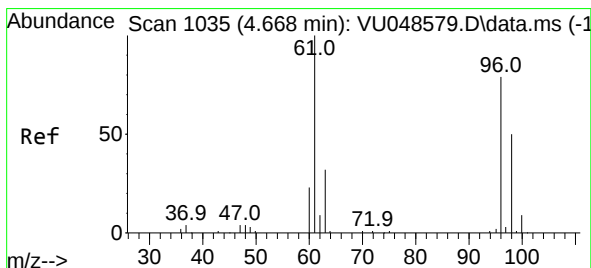
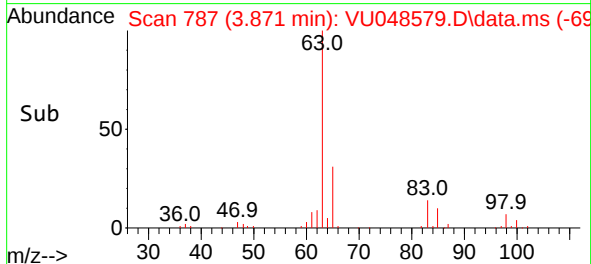
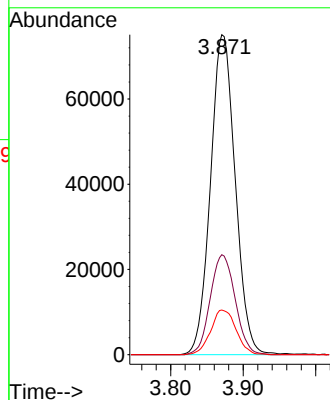
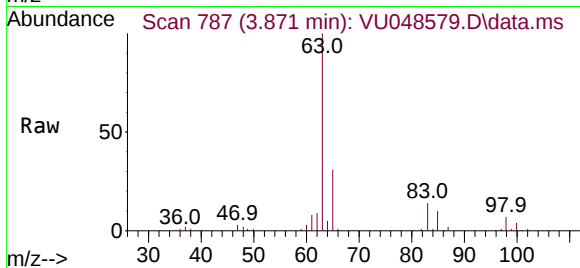
Tgt Ion: 63 Resp: 178185

Ion Ratio Lower Upper

63 100

65 31.2 21.8 40.6

83 14.0 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 48.024 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU048579.D

Acq: 16 May 2022 13:28

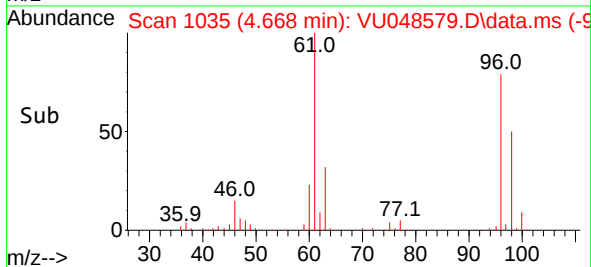
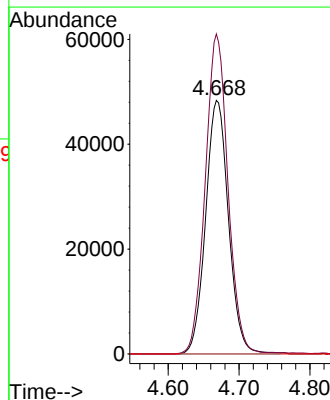
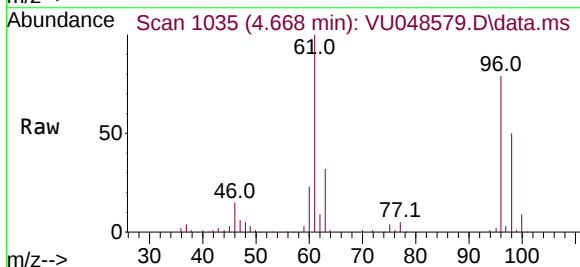
Tgt Ion: 96 Resp: 108625

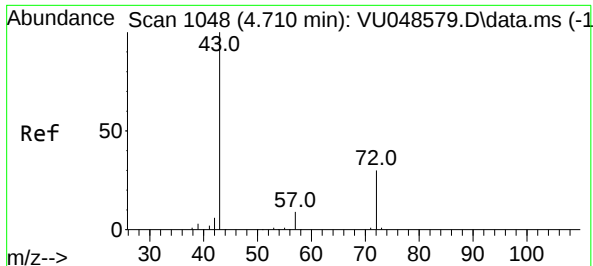
Ion Ratio Lower Upper

96 100

61 126.2 88.3 164.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 80.097 ug/L

RT: 4.710 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU048579.D

Acq: 16 May 2022 13:28

Instrument :

MSVOA_U

ClientSampleId :

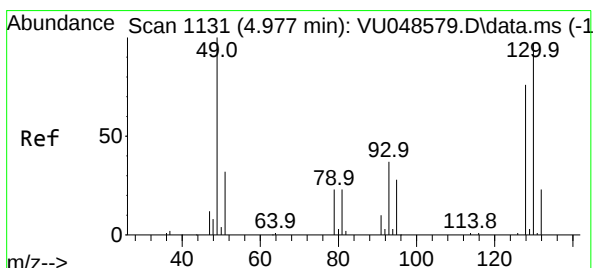
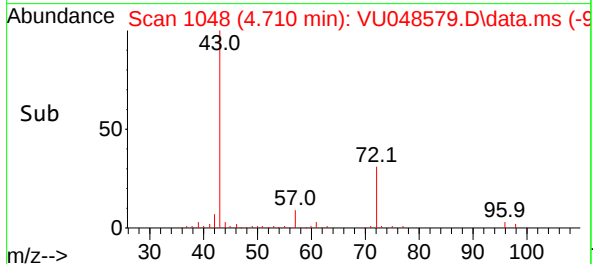
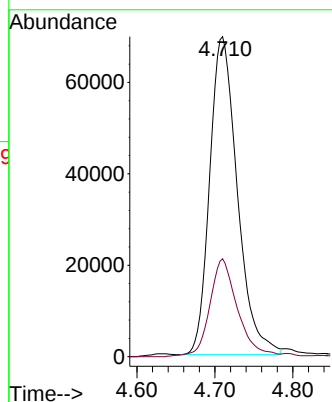
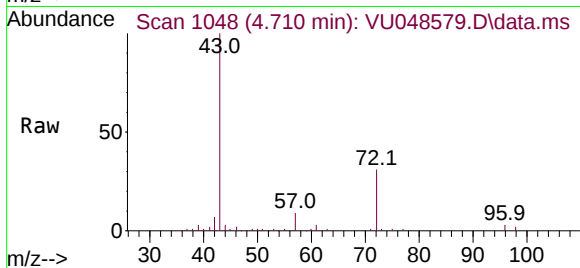
VSTD050070

Tgt Ion: 43 Resp: 171635

Ion Ratio Lower Upper

43 100

72 30.8 15.4 46.2



#23

Bromochloromethane

Concen: 49.623 ug/L

RT: 4.977 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VU048579.D

Acq: 16 May 2022 13:28

Tgt Ion: 128 Resp: 59876

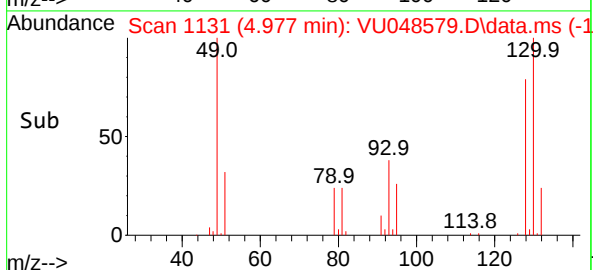
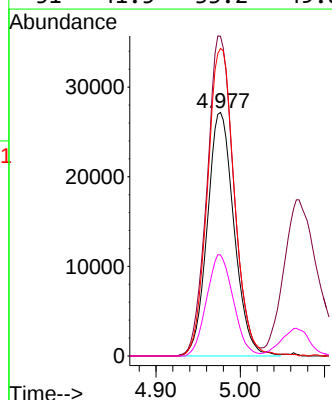
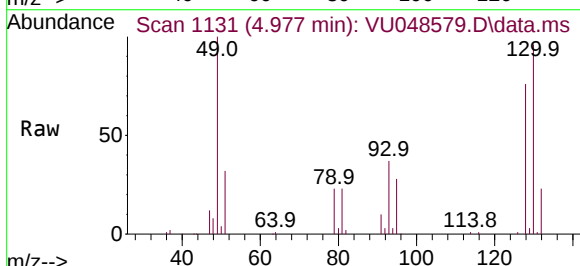
Ion Ratio Lower Upper

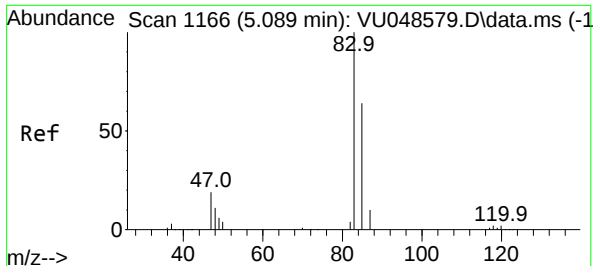
128 100

49 131.3 91.9 170.7

130 126.3 88.4 164.2

51 41.5 33.2 49.8





#25

Chloroform

Concen: 50.041 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU048579.D

Acq: 16 May 2022 13:28

Instrument :

MSVOA_U

ClientSampleId :

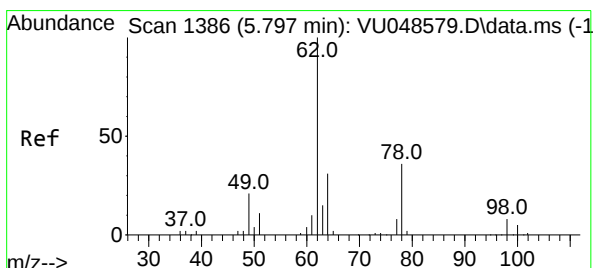
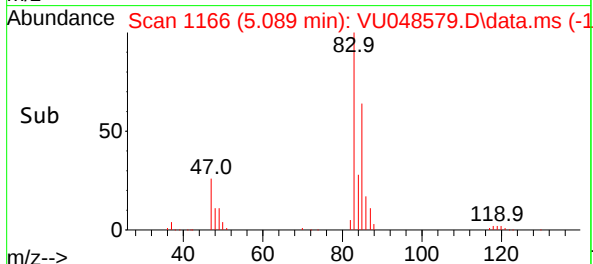
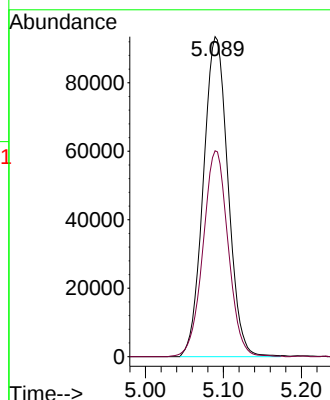
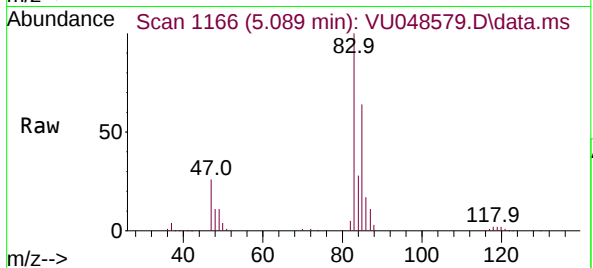
VSTD050070

Tgt Ion: 83 Resp: 205817

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7



#27

1,2-Dichloroethane

Concen: 52.038 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU048579.D

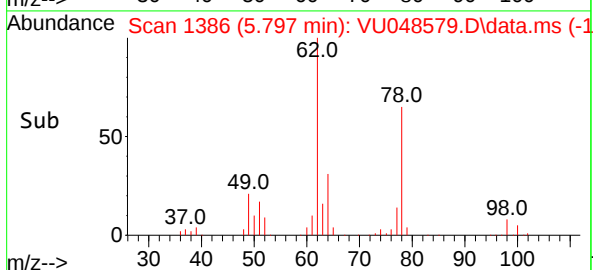
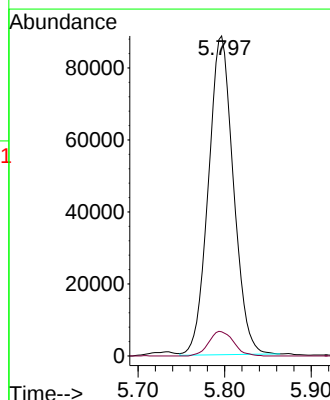
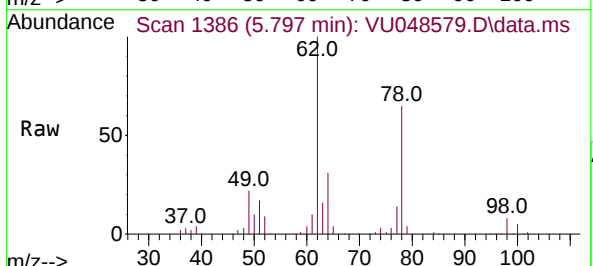
Acq: 16 May 2022 13:28

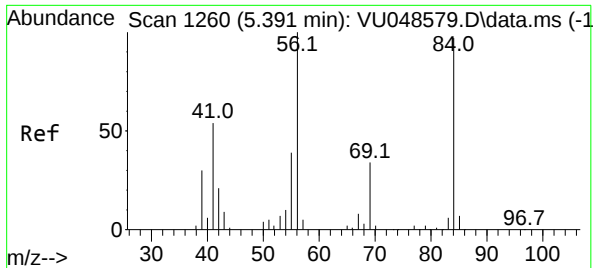
Tgt Ion: 62 Resp: 177909

Ion Ratio Lower Upper

62 100

98 7.5 6.0 9.0

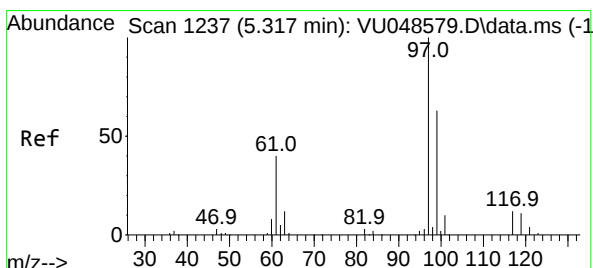
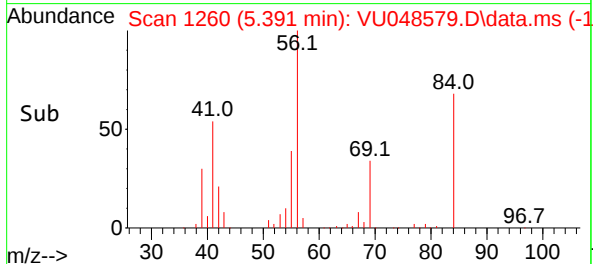
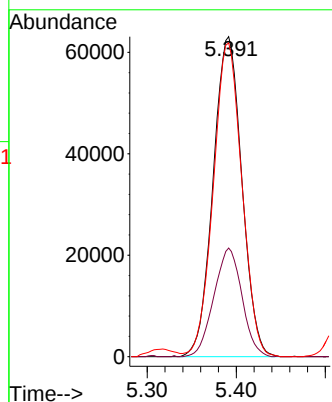
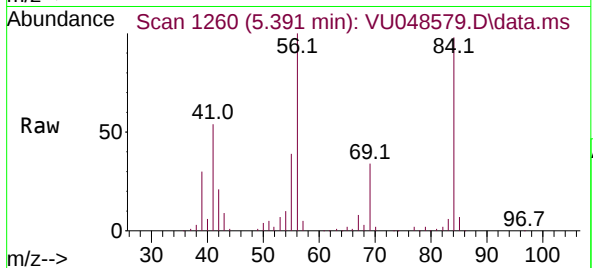




#29
Cyclohexane
Concen: 41.652 ug/L
RT: 5.391 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

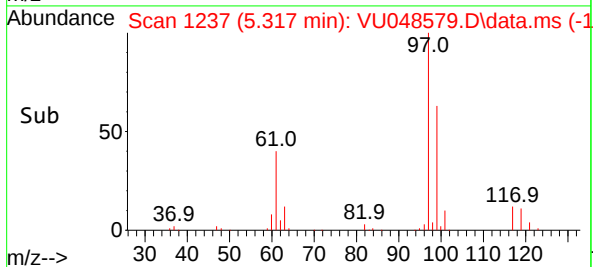
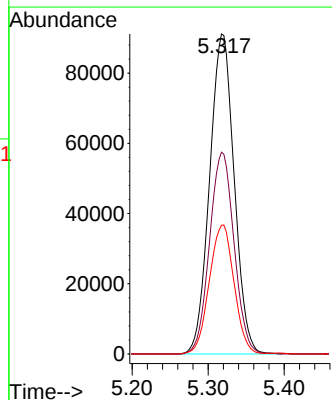
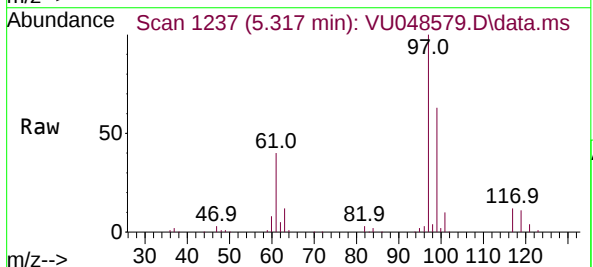
Instrument :
MSVOA_U
ClientSampleId :
VSTD050070

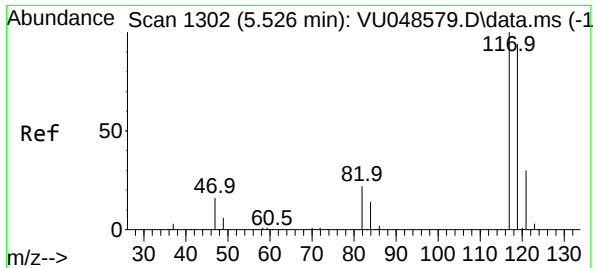
Tgt Ion: 56 Resp: 141378
Ion Ratio Lower Upper
56 100
69 33.1 26.5 39.7
84 97.5 78.0 117.0



#30
1,1,1-Trichloroethane
Concen: 55.425 ug/L
RT: 5.317 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

Tgt Ion: 97 Resp: 204268
Ion Ratio Lower Upper
97 100
99 62.9 50.3 75.5
61 40.7 32.6 48.8

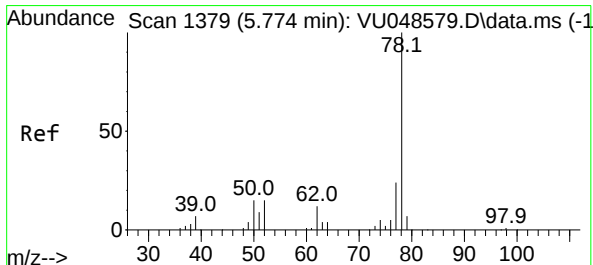
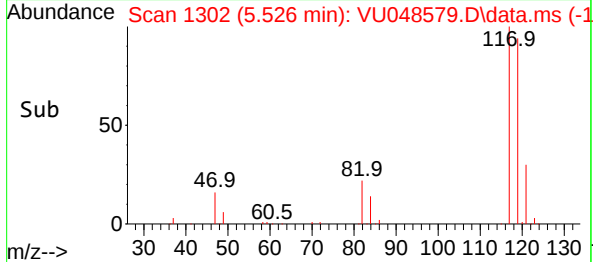
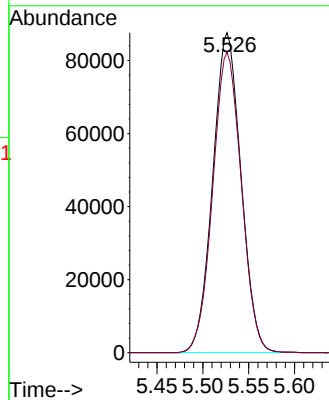
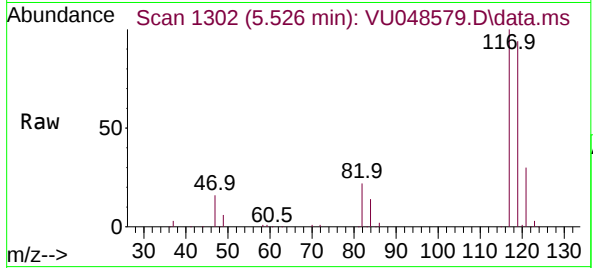




#31
Carbon tetrachloride
Concen: 58.522 ug/L
RT: 5.526 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

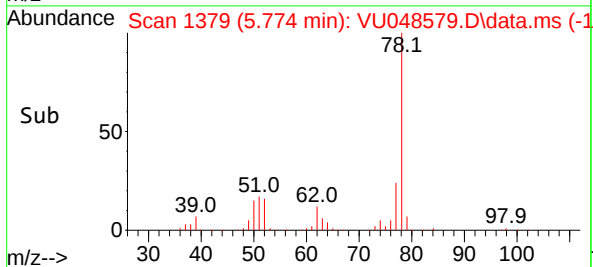
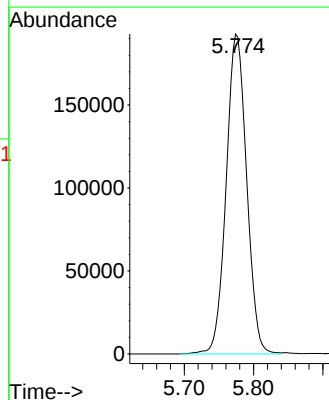
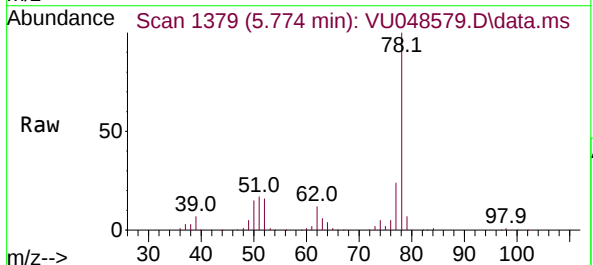
Instrument :
MSVOA_U
ClientSampleId :
VSTD050070

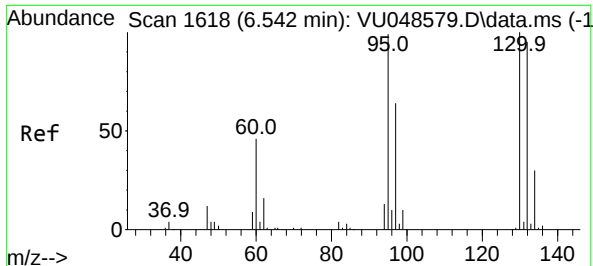
Tgt Ion:117 Resp: 187776
Ion Ratio Lower Upper
117 100
119 95.0 76.0 114.0



#33
Benzene
Concen: 45.479 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

Tgt Ion: 78 Resp: 395660

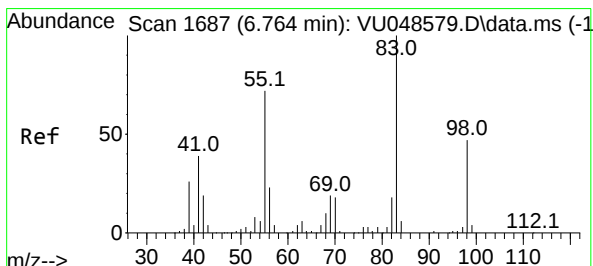
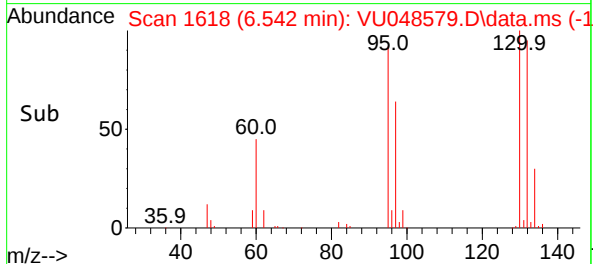
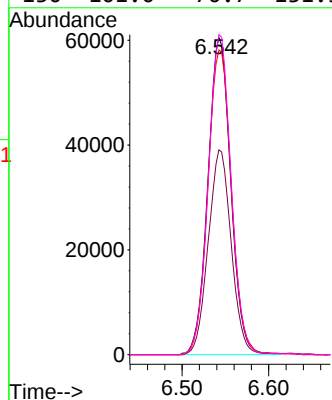
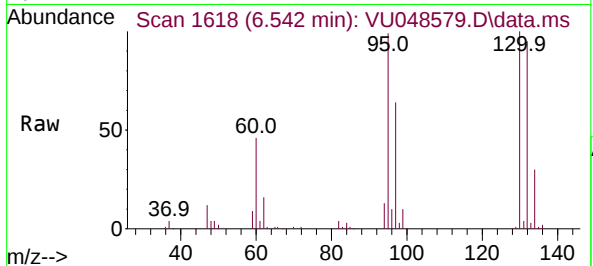




#34
Trichloroethene
Concen: 50.377 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

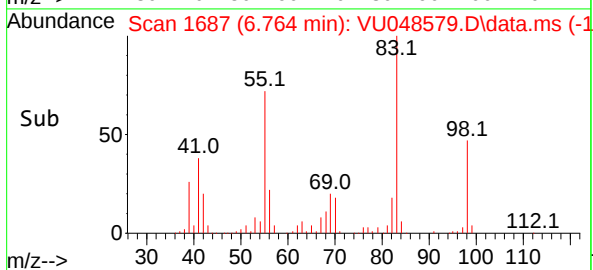
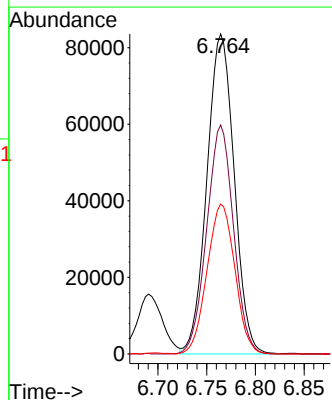
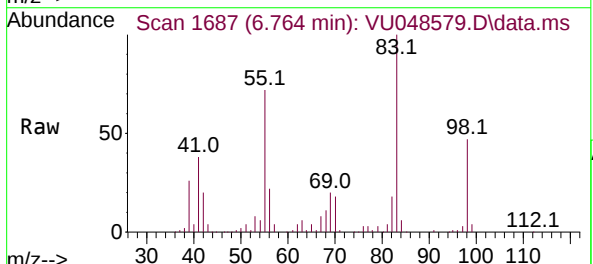
Instrument :
MSVOA_U
ClientSampleId :
VSTD050070

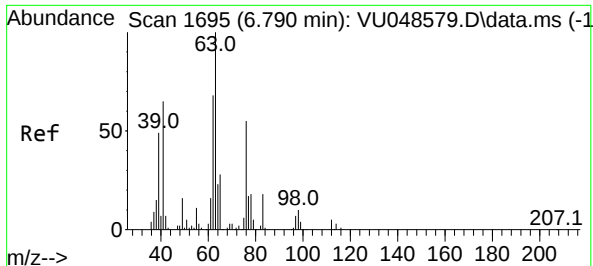
Tgt Ion: 95 Resp: 111078
Ion Ratio Lower Upper
95 100
97 64.6 45.2 84.0
132 96.1 67.3 124.9
130 101.0 70.7 131.3



#35
Methylcyclohexane
Concen: 47.583 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

Tgt Ion: 83 Resp: 163035
Ion Ratio Lower Upper
83 100
55 70.3 56.2 84.4
98 47.7 38.2 57.2





#37

1,2-Dichloropropane

Concen: 41.612 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048579.D

Acq: 16 May 2022 13:28

Instrument :

MSVOA_U

ClientSampleId :

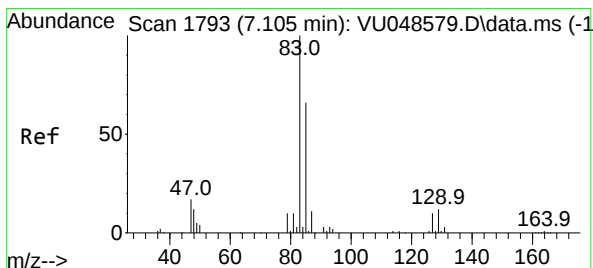
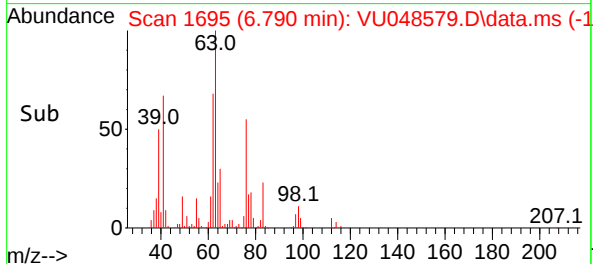
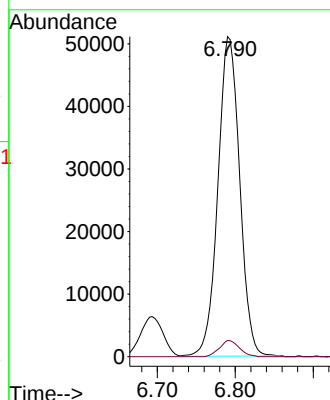
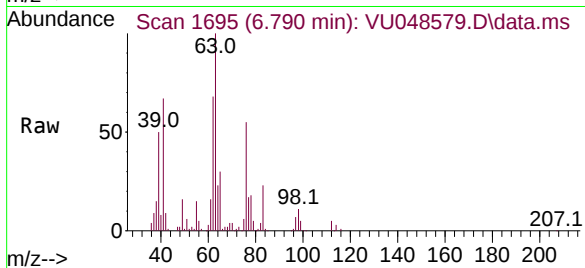
VSTD050070

Tgt Ion: 63 Resp: 99044

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#38

Bromodichloromethane

Concen: 52.735 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU048579.D

Acq: 16 May 2022 13:28

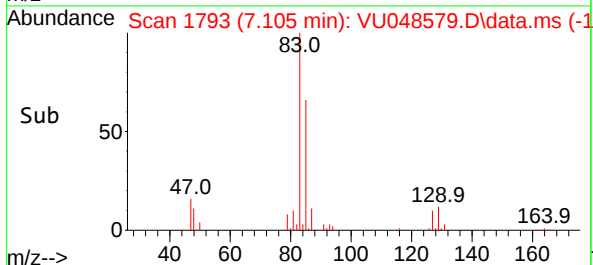
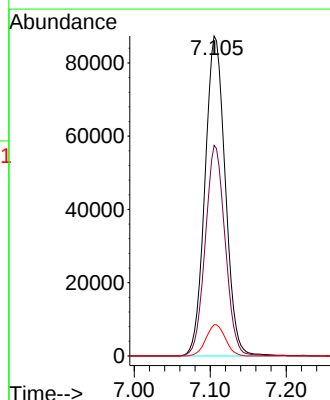
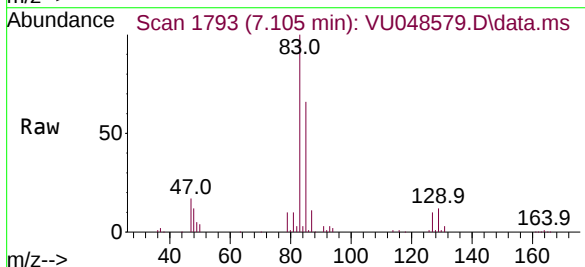
Tgt Ion: 83 Resp: 161737

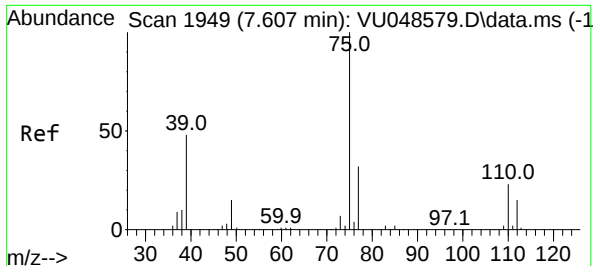
Ion Ratio Lower Upper

83 100

85 65.8 46.1 85.5

127 9.7 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 48.952 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU048579.D

Acq: 16 May 2022 13:28

Instrument :

MSVOA_U

ClientSampleId :

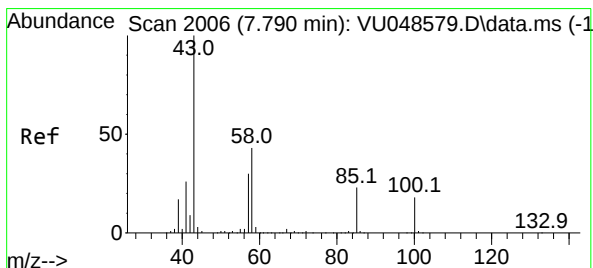
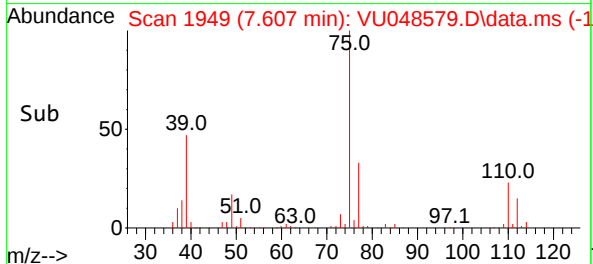
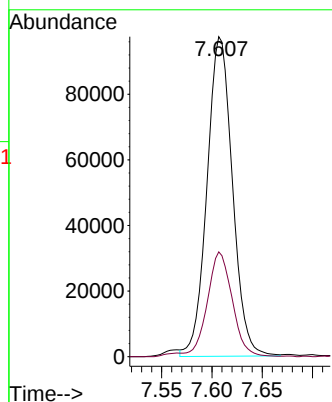
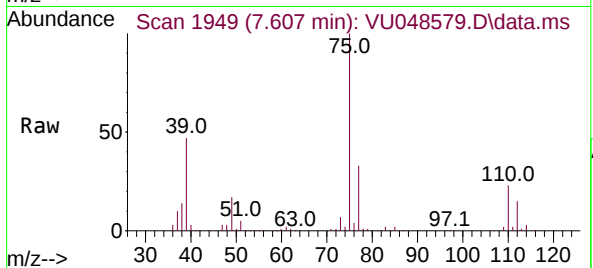
VSTD050070

Tgt Ion: 75 Resp: 171352

Ion Ratio Lower Upper

75 100

77 32.7 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 81.339 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU048579.D

Acq: 16 May 2022 13:28

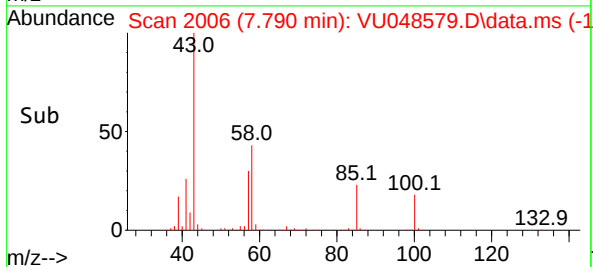
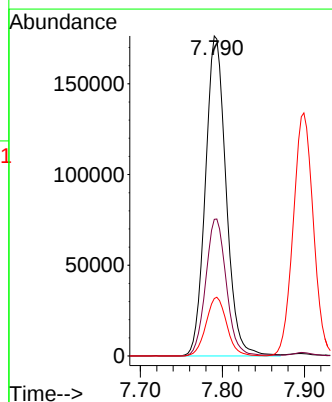
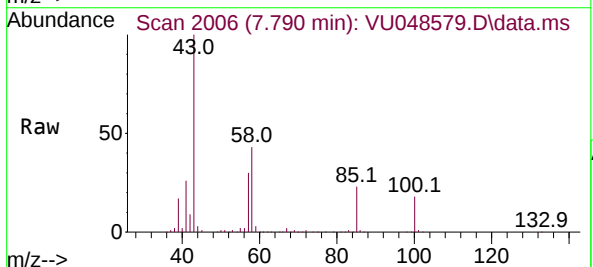
Tgt Ion: 43 Resp: 309093

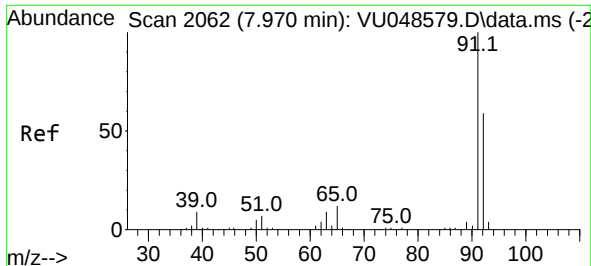
Ion Ratio Lower Upper

43 100

58 42.9 34.3 51.5

100 18.4 14.7 22.1





#42

Toluene

Concen: 48.398 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU048579.D

Acq: 16 May 2022 13:28

Instrument :

MSVOA_U

ClientSampleId :

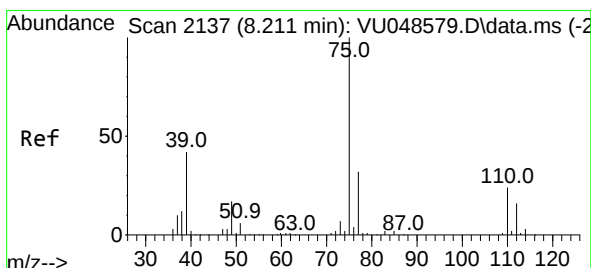
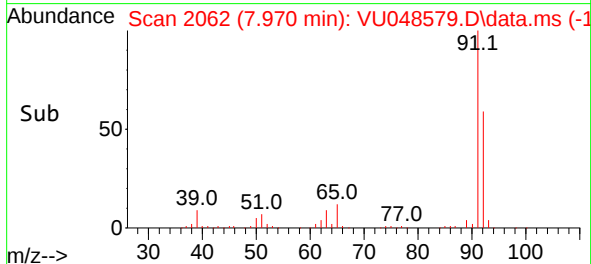
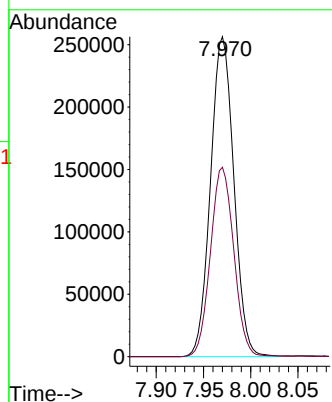
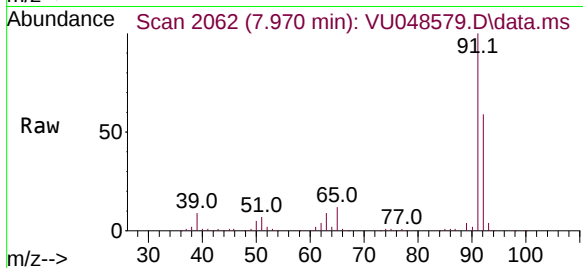
VSTD050070

Tgt Ion: 91 Resp: 440075

Ion Ratio Lower Upper

91 100

92 59.2 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 52.773 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU048579.D

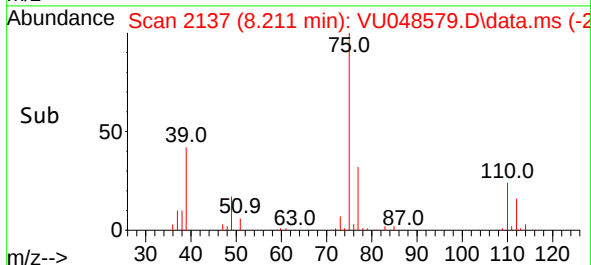
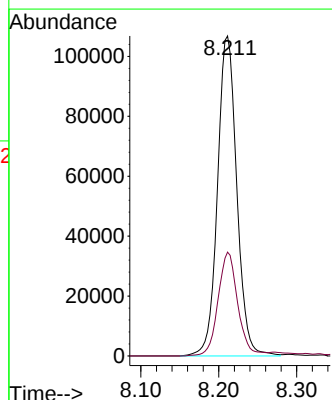
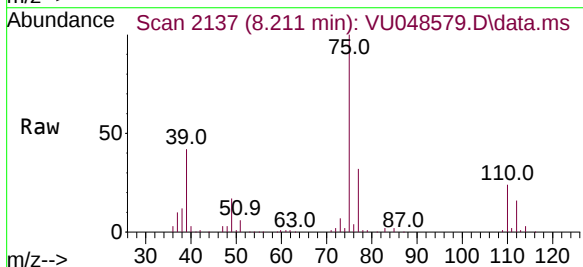
Acq: 16 May 2022 13:28

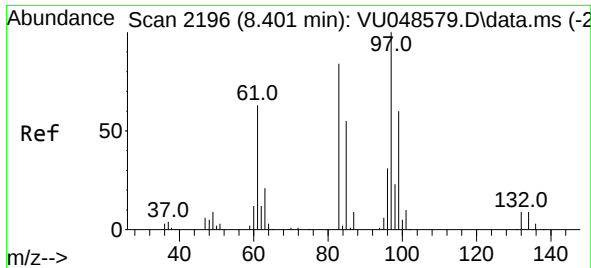
Tgt Ion: 75 Resp: 183654

Ion Ratio Lower Upper

75 100

77 32.4 22.7 42.1

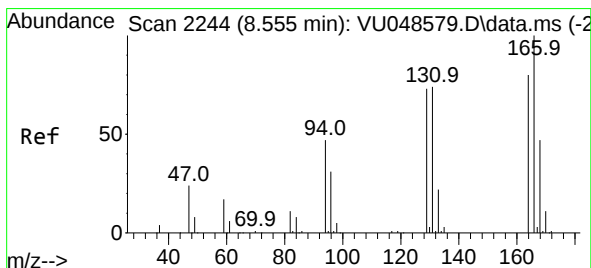
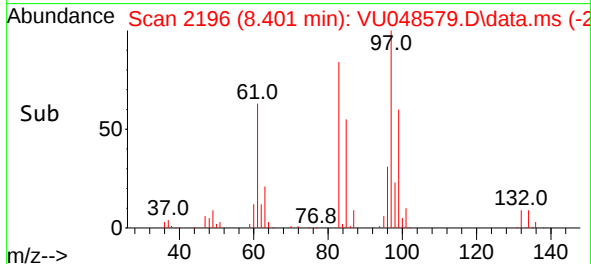
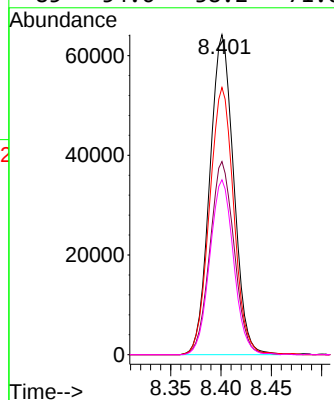
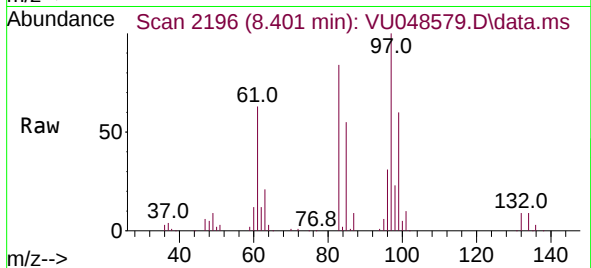




#45
1,1,2-Trichloroethane
Concen: 47.751 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

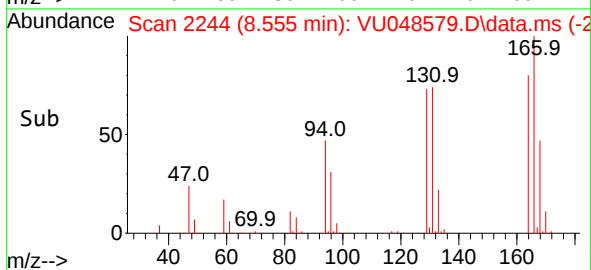
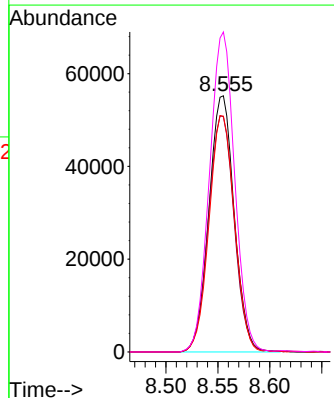
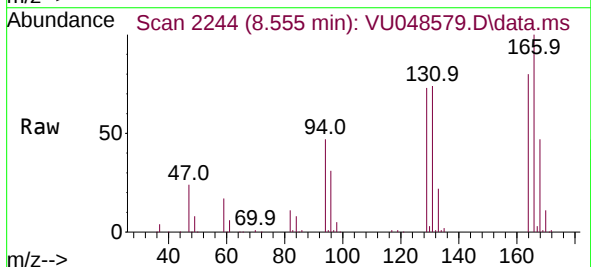
Instrument :
MSVOA_U
ClientSampleId :
VSTD050070

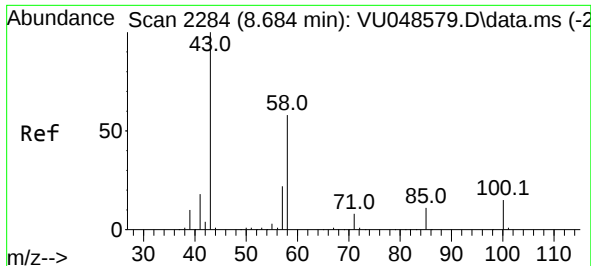
Tgt Ion:	97	Resp:	106622
Ion	Ratio	Lower	Upper
97	100		
99	60.3	42.2	78.4
83	83.5	58.4	108.6
85	54.6	38.2	71.0



#46
Tetrachloroethene
Concen: 55.440 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

Tgt Ion:	164	Resp:	93586
Ion	Ratio	Lower	Upper
164	100		
129	91.8	64.3	119.3
131	92.1	64.5	119.7
166	125.0	87.5	162.5

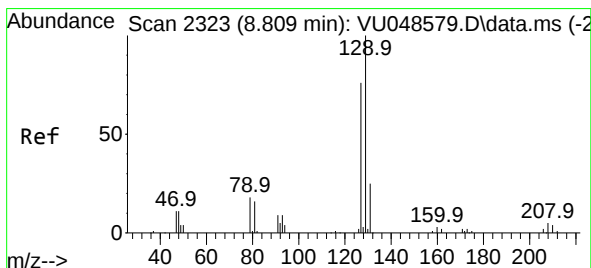
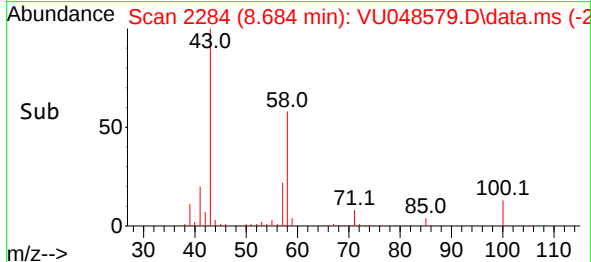
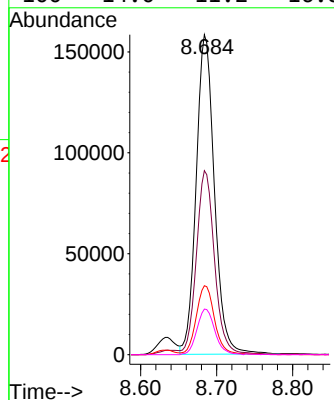
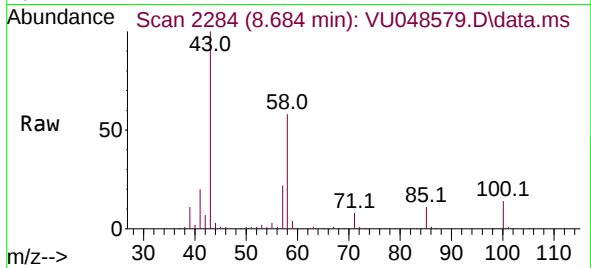




#48
2-Hexanone
Concen: 82.966 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

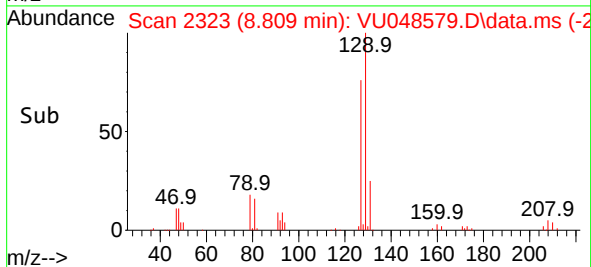
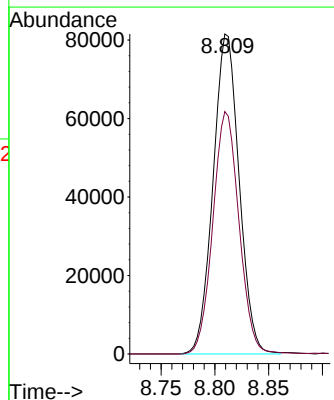
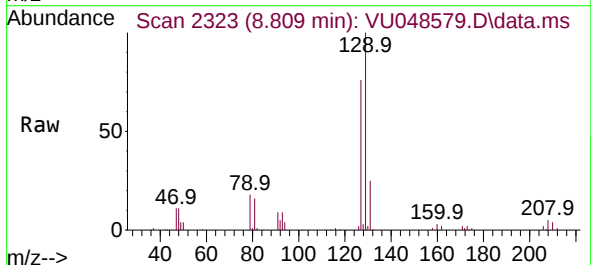
Instrument :
MSVOA_U
ClientSampleId :
VSTD050070

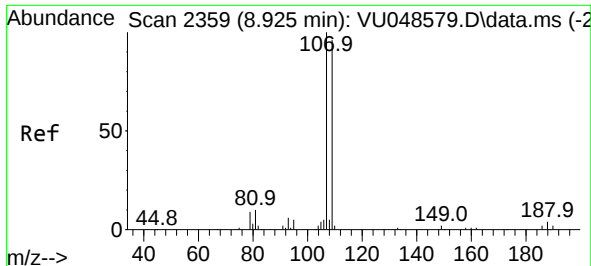
Tgt Ion:	43	Resp:	264198
Ion	Ratio	Lower	Upper
43	100		
58	57.2	45.8	68.6
57	21.0	16.8	25.2
100	14.0	11.2	16.8



#49
Dibromochloromethane
Concen: 55.288 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

Tgt Ion:	129	Resp:	137462
Ion	Ratio	Lower	Upper
129	100		
127	75.8	53.1	98.5





#50

1,2-Dibromoethane

Concen: 50.687 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU048579.D

Acq: 16 May 2022 13:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050070

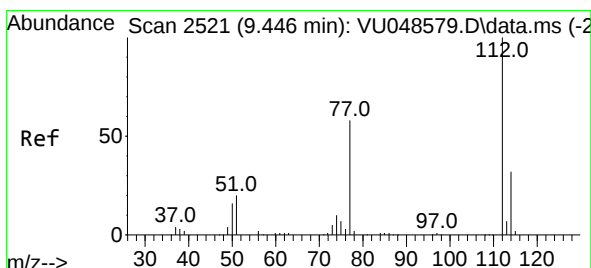
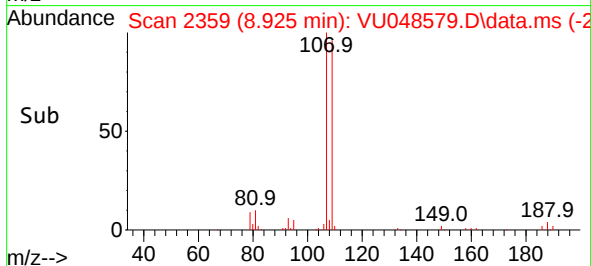
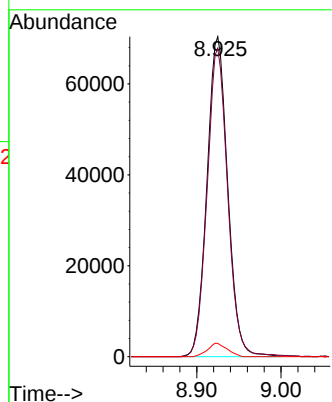
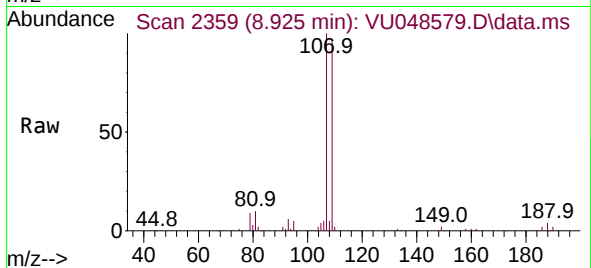
Tgt Ion:107 Resp: 120797

Ion Ratio Lower Upper

107 100

109 96.4 67.5 125.3

188 4.3 3.4 5.2



#51

Chlorobenzene

Concen: 50.661 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU048579.D

Acq: 16 May 2022 13:28

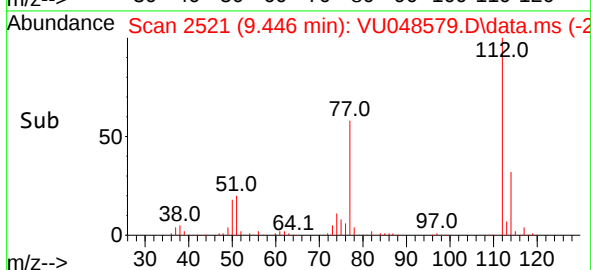
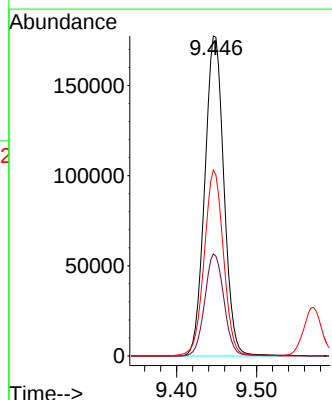
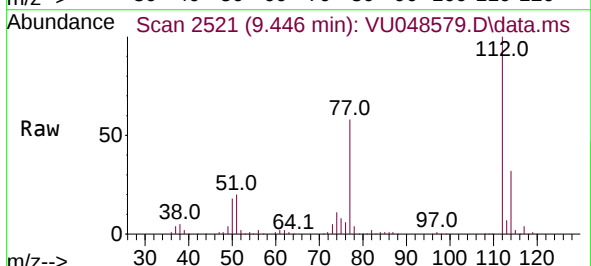
Tgt Ion:112 Resp: 295613

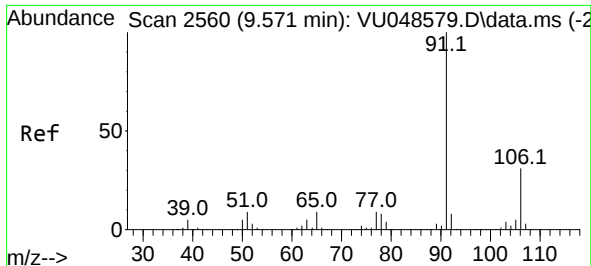
Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.5

77 58.1 46.5 69.7

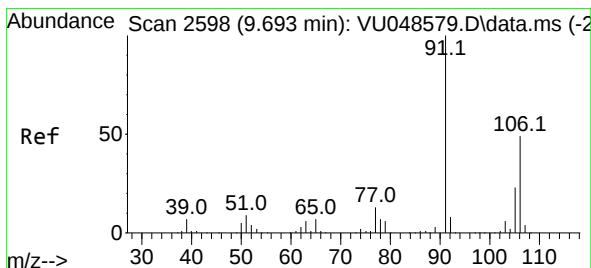
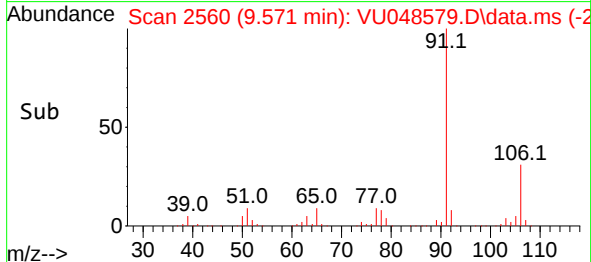
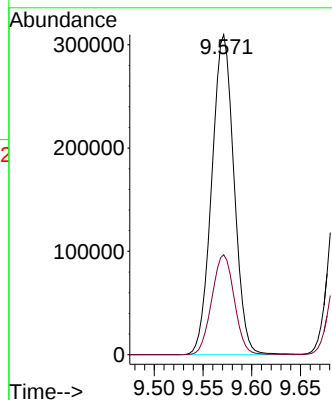
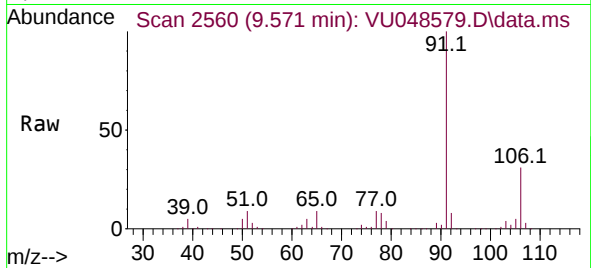




#52
Ethylbenzene
Concen: 51.221 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

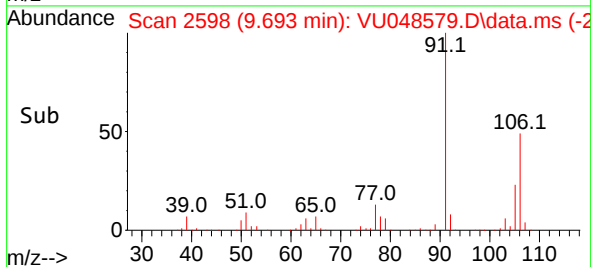
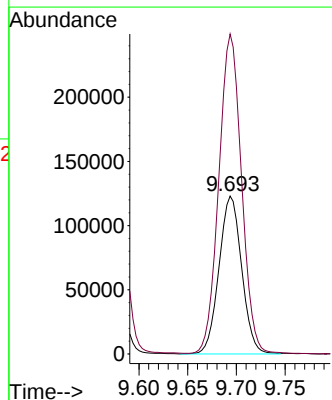
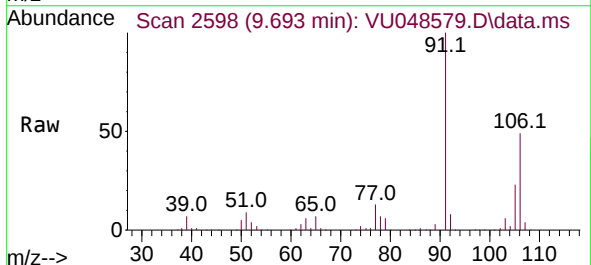
Instrument :
MSVOA_U
ClientSampleId :
VSTD050070

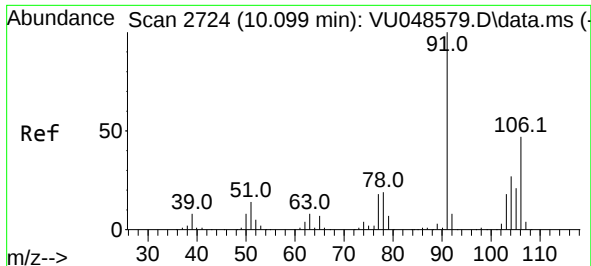
Tgt Ion: 91 Resp: 491437
Ion Ratio Lower Upper
91 100
106 31.2 21.8 40.6



#53
m,p-Xylene
Concen: 53.275 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

Tgt Ion: 106 Resp: 199175
Ion Ratio Lower Upper
106 100
91 202.6 141.8 263.4

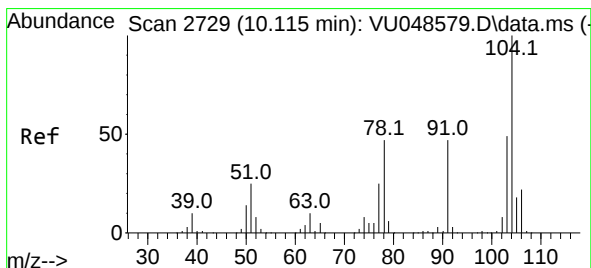
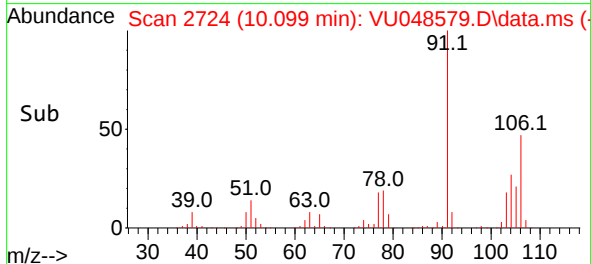
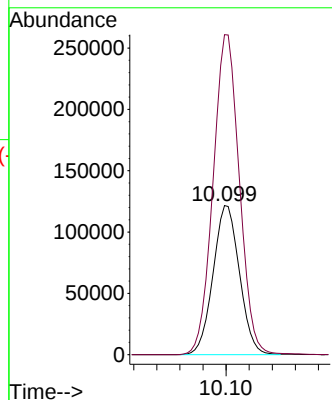
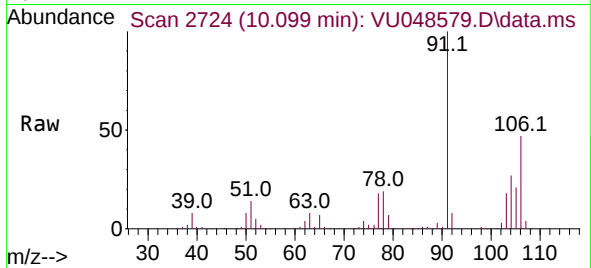




#54
o-Xylene
Concen: 51.823 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

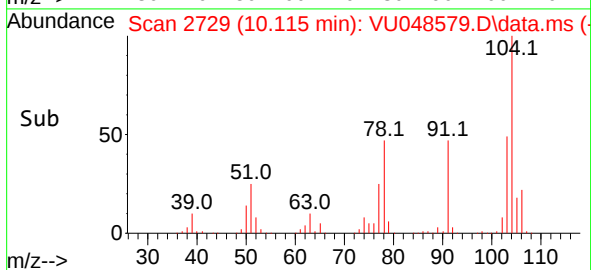
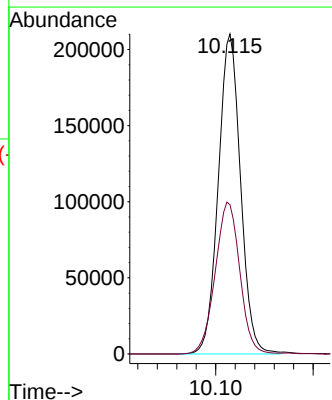
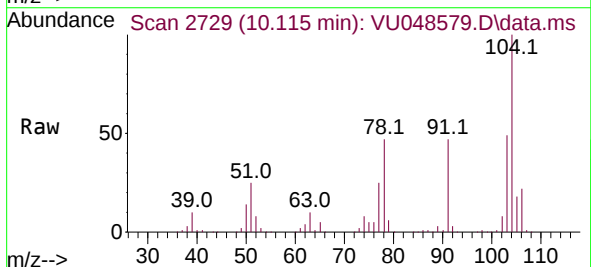
Instrument :
MSVOA_U
ClientSampleId :
VSTD050070

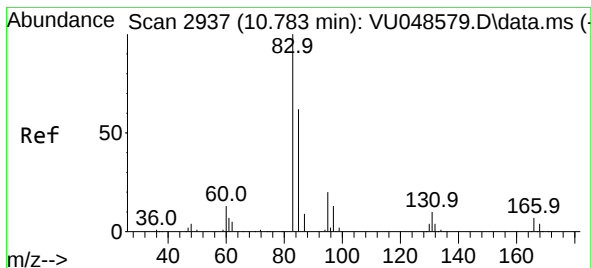
Tgt Ion:106 Resp: 192810
Ion Ratio Lower Upper
106 100
91 214.5 150.1 278.9



#55
Styrene
Concen: 54.420 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

Tgt Ion:104 Resp: 333035
Ion Ratio Lower Upper
104 100
78 46.7 32.7 60.7

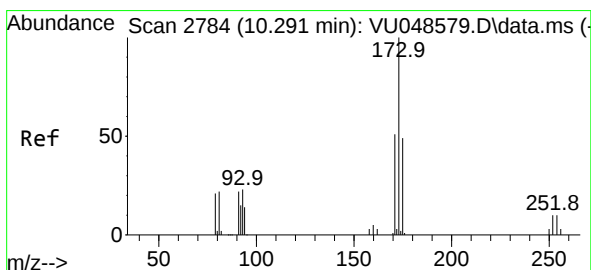
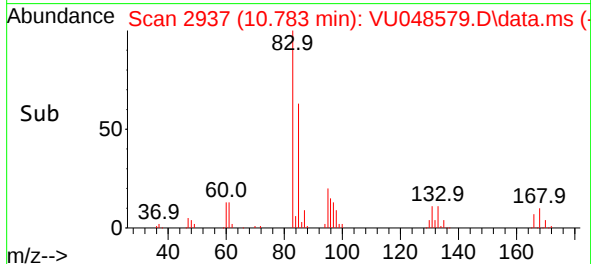
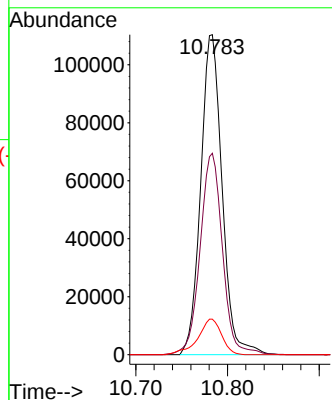
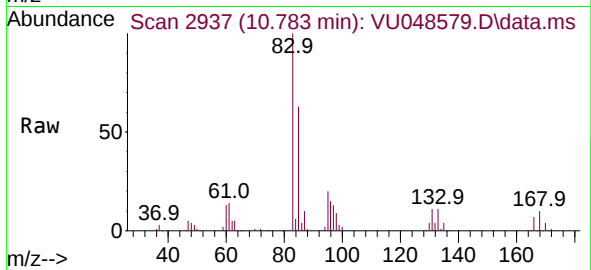




#57
1,1,2,2-Tetrachloroethane
Concen: 43.913 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

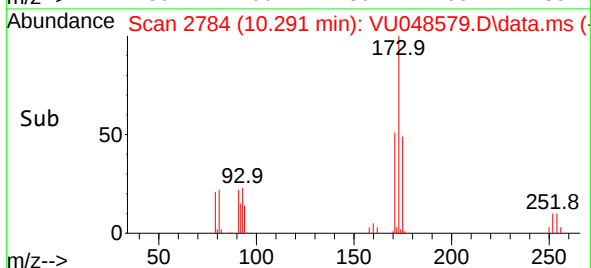
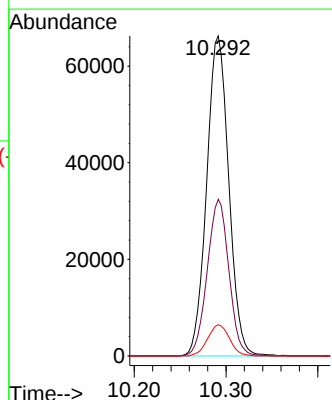
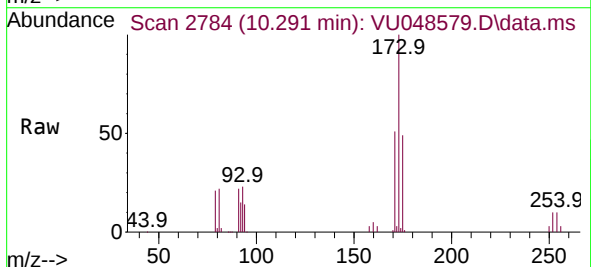
Instrument :
MSVOA_U
ClientSampleId :
VSTD050070

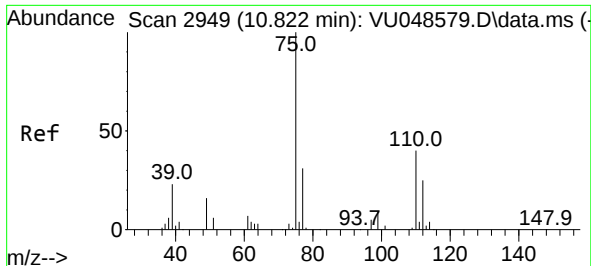
Tgt Ion: 83 Resp: 179152
Ion Ratio Lower Upper
83 100
85 63.0 44.1 81.9
131 11.1 8.9 13.3



#59
Bromoform
Concen: 49.472 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

Tgt Ion:173 Resp: 110866
Ion Ratio Lower Upper
173 100
175 47.8 38.2 57.4
254 9.6 7.7 11.5

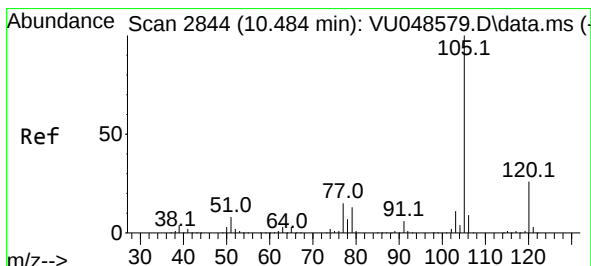
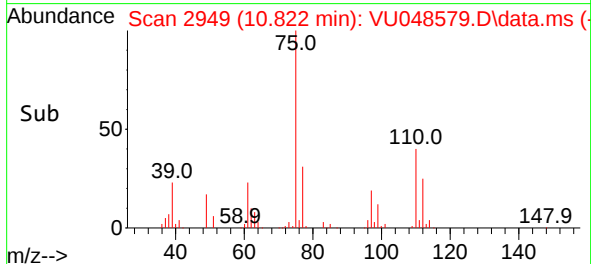
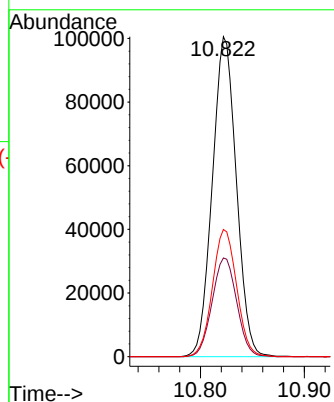
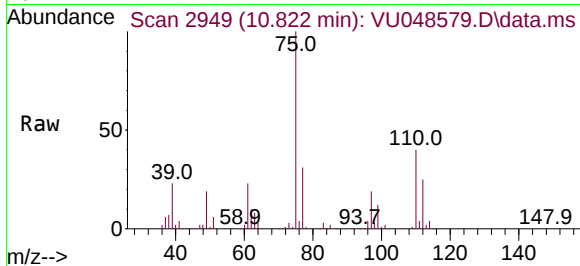




#60
1,2,3-Trichloropropane
Concen: 41.020 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

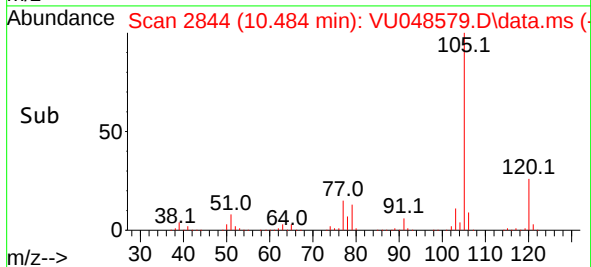
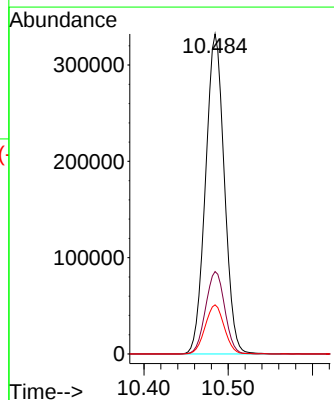
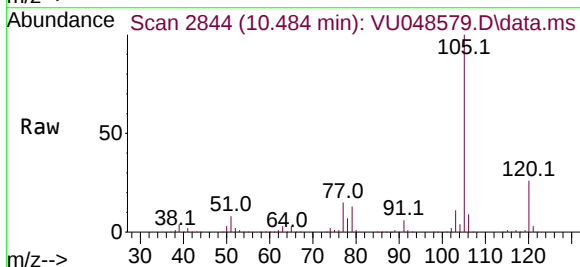
Instrument :
MSVOA_U
ClientSampleId :
VSTD050070

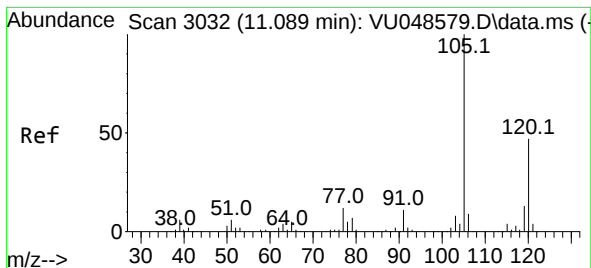
Tgt Ion: 75 Resp: 161391
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0
110 40.1 32.1 48.1



#61
Isopropylbenzene
Concen: 47.587 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

Tgt Ion: 105 Resp: 515993
Ion Ratio Lower Upper
105 100
120 26.3 21.0 31.6
77 15.6 12.5 18.7





#62

1,3,5-Trimethylbenzene

Concen: 49.043 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU048579.D

Acq: 16 May 2022 13:28

Instrument :

MSVOA_U

ClientSampleId :

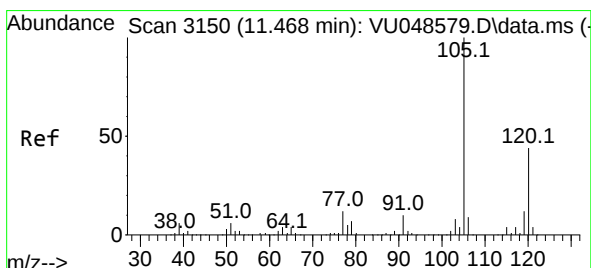
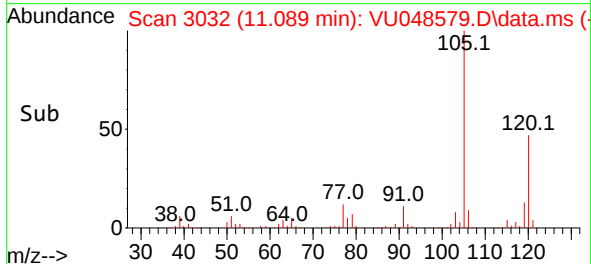
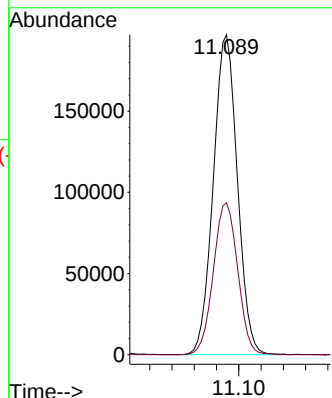
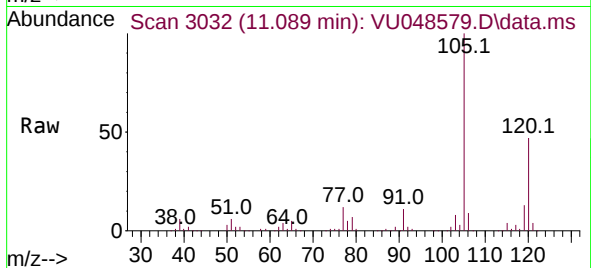
VSTD050070

Tgt Ion:105 Resp: 295488

Ion Ratio Lower Upper

105 100

120 48.1 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 51.503 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU048579.D

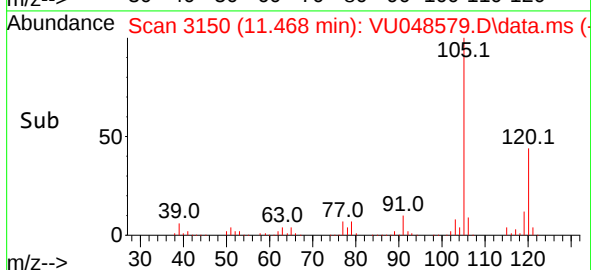
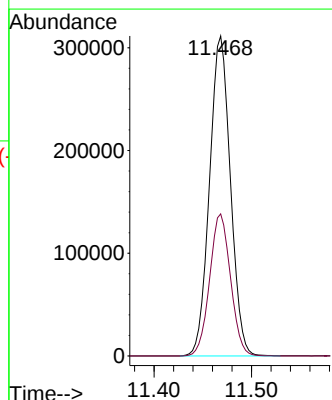
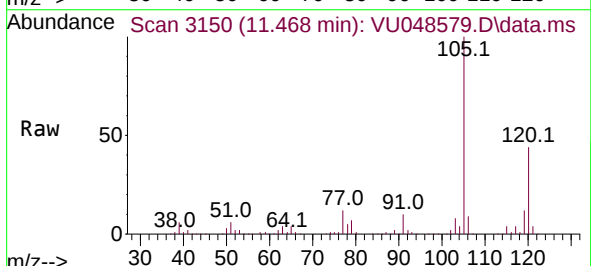
Acq: 16 May 2022 13:28

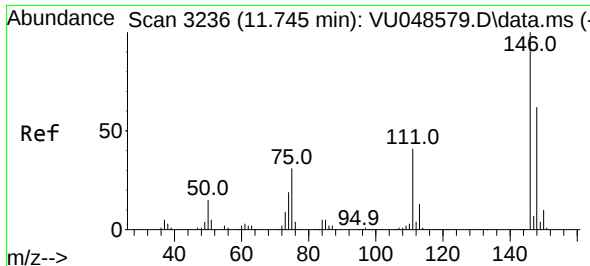
Tgt Ion:105 Resp: 463655

Ion Ratio Lower Upper

105 100

120 44.3 35.4 53.2

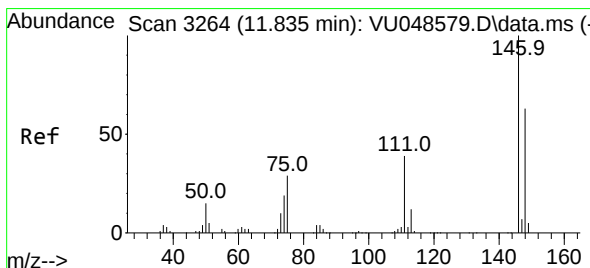
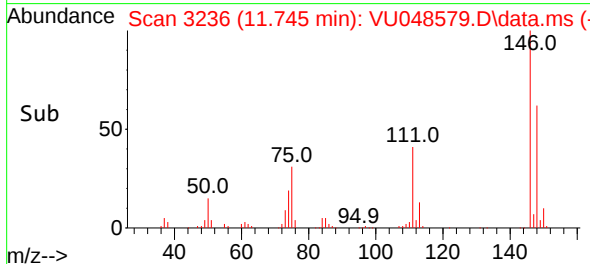
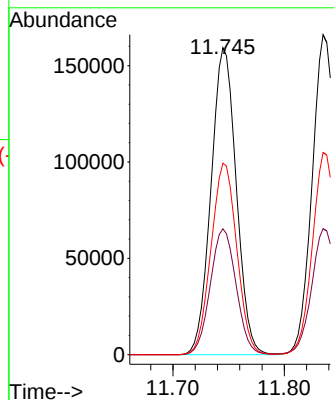
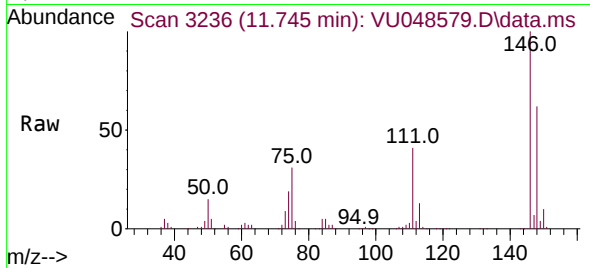




#64
 1,3-Dichlorobenzene
 Concen: 48.598 ug/L
 RT: 11.745 min Scan# 3236
 Delta R.T. 0.000 min
 Lab File: VU048579.D
 Acq: 16 May 2022 13:28

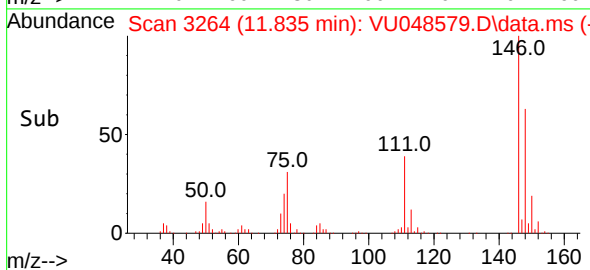
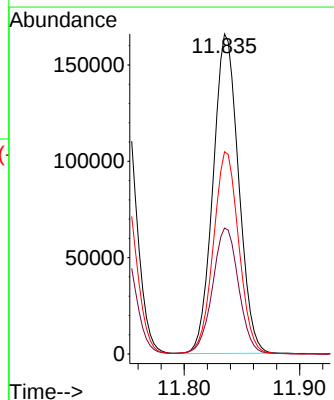
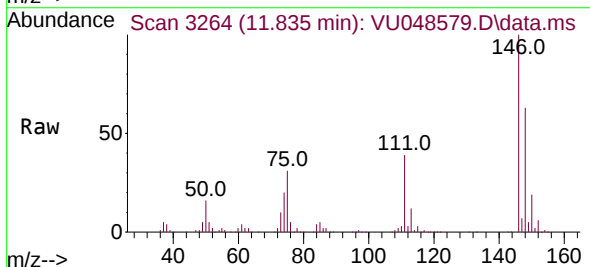
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050070

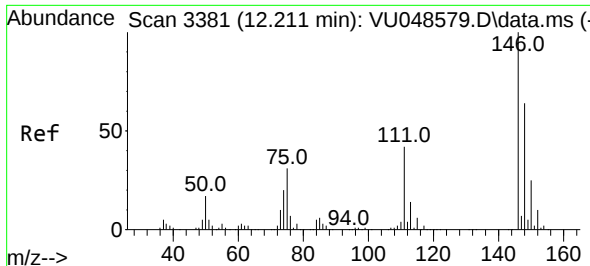
Tgt Ion:146 Resp: 251193
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.7 53.3
 148 62.4 43.7 81.1



#65
 1,4-Dichlorobenzene
 Concen: 48.943 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. 0.000 min
 Lab File: VU048579.D
 Acq: 16 May 2022 13:28

Tgt Ion:146 Resp: 254604
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.6 51.2
 148 63.2 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 47.881 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU048579.D

Acq: 16 May 2022 13:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050070

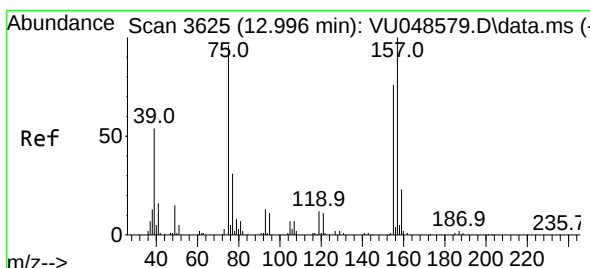
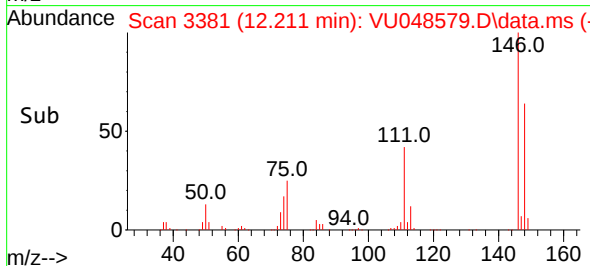
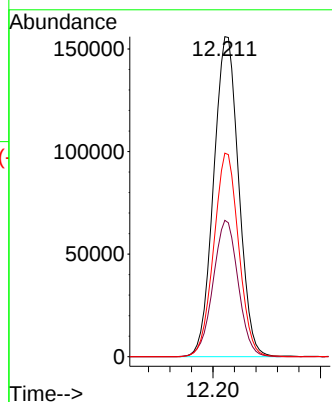
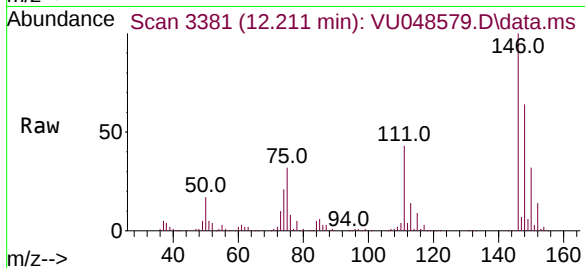
Tgt Ion:146 Resp: 252012

Ion Ratio Lower Upper

146 100

111 42.6 34.1 51.1

148 63.6 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 50.342 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU048579.D

Acq: 16 May 2022 13:28

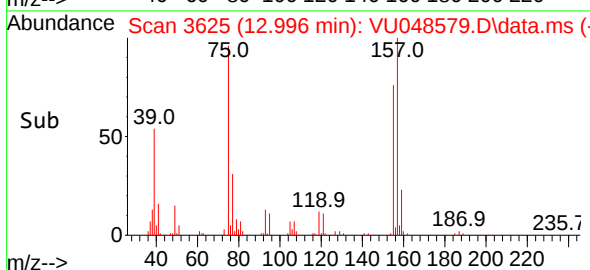
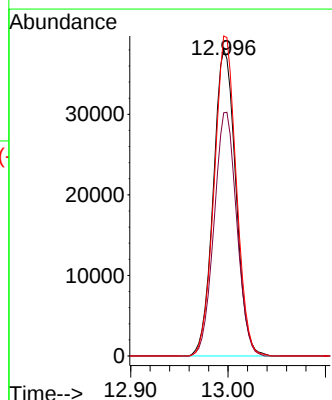
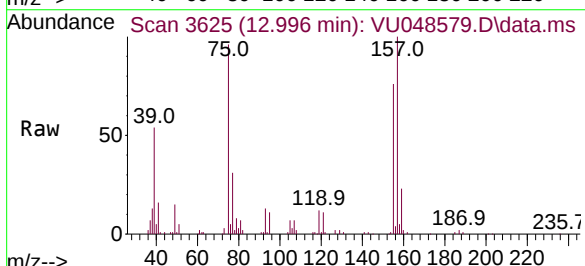
Tgt Ion: 75 Resp: 60901

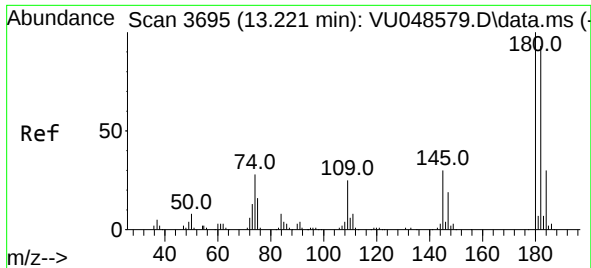
Ion Ratio Lower Upper

75 100

155 79.4 63.5 95.3

157 104.4 83.5 125.3

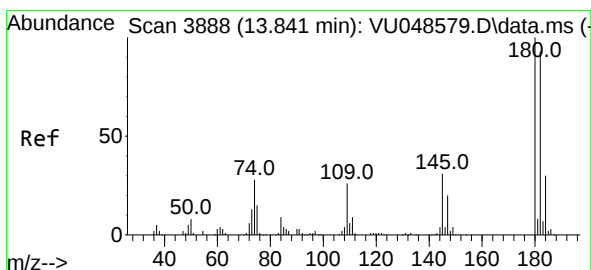
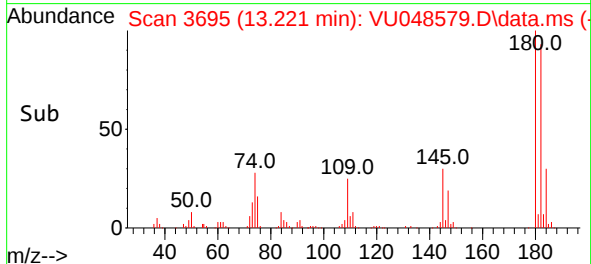
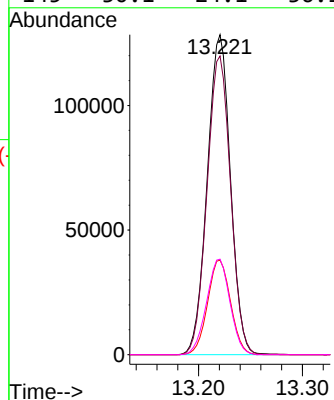
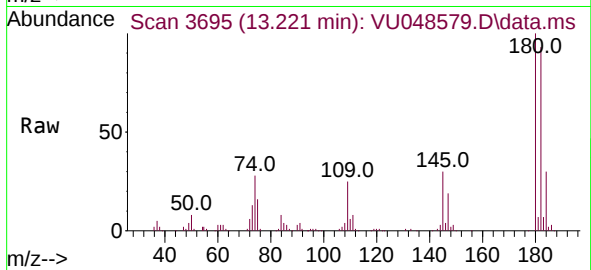




#69
1,3,5-Trichlorobenzene
Concen: 53.239 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

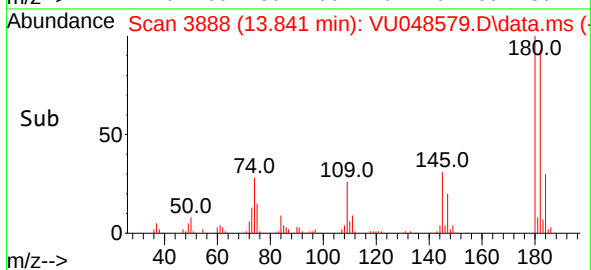
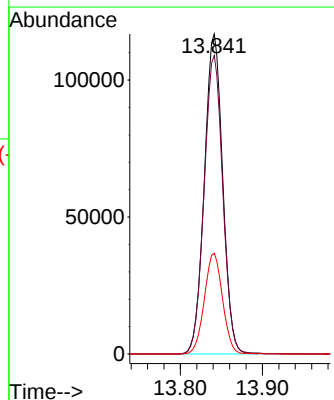
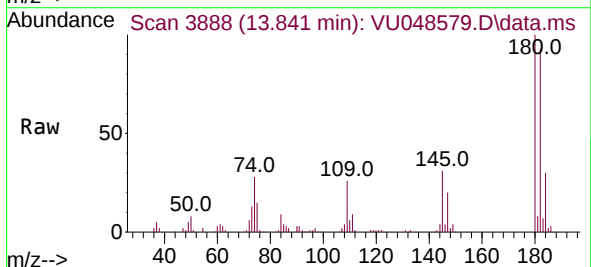
Instrument :
MSVOA_U
ClientSampleId :
VSTD050070

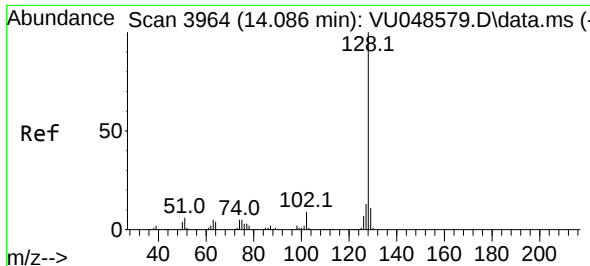
Tgt Ion:180 Resp: 199106
Ion Ratio Lower Upper
180 100
182 94.7 75.8 113.6
184 29.3 23.4 35.2
145 30.1 24.1 36.1



#70
1,2,4-trichlorobenzene
Concen: 54.704 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

Tgt Ion:180 Resp: 181695
Ion Ratio Lower Upper
180 100
182 94.8 75.8 113.8
145 31.1 24.9 37.3

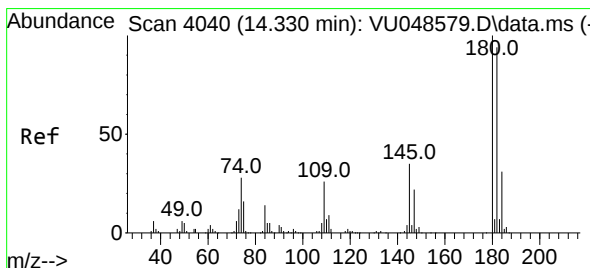
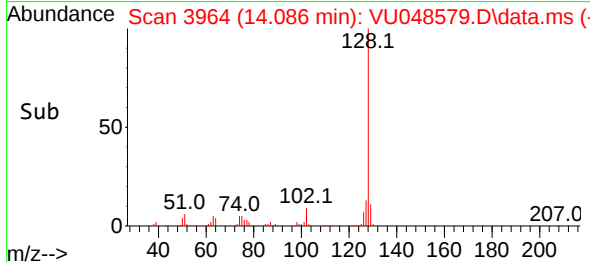
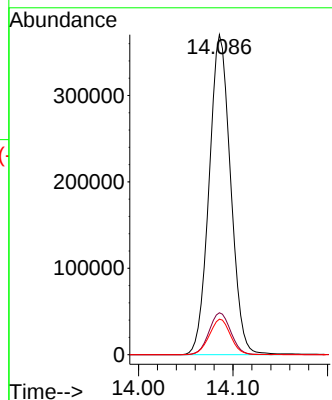
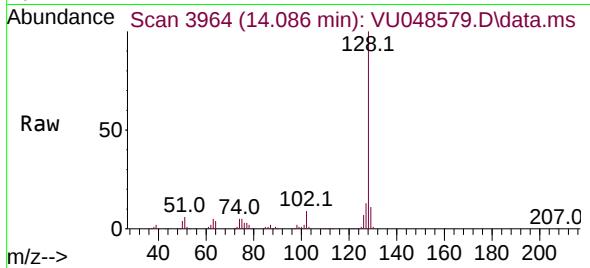




#71
Naphthalene
Concen: 46.427 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD050070

Tgt Ion:128 Resp: 584122
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.0 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 52.044 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048579.D
Acq: 16 May 2022 13:28

Tgt Ion:180 Resp: 181686
Ion Ratio Lower Upper
180 100
182 94.5 75.6 113.4
145 33.9 27.1 40.7

