

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050622\
 Data File : VU048453.D
 Acq On : 06 May 2022 13:48
 Operator : SY/MD
 Sample : VSTD01063
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010063

Quant Time: May 06 23:20:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM050622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 06 23:19:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	412771	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	390238	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	182749	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	35272	9.434	ug/L	0.00
7) Chloroethane-d5	1.903	69	20105	7.755	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.569	63	62963	10.324	ug/L	0.00
21) 2-Butanone-d5	4.636	46	57250	18.074	ug/L	0.02
24) Chloroform-d	5.064	84	61098	9.082	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.704	65	39990	9.828	ug/L	0.00
32) Benzene-d6	5.726	84	117328	9.640	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.691	67	38550	9.548	ug/L	0.00
41) Toluene-d8	7.900	98	104070	9.492	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.183	79	16175	9.057	ug/L	0.00
47) 2-Hexanone-d5	8.639	63	33948	16.288	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	56095	8.188	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	35637	8.916	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	37489	11.823	ug/L	97
3) Chloromethane	1.524	50	44195	12.123	ug/L	98
5) Vinyl chloride	1.604	62	41121	11.368	ug/L	97
6) Bromomethane	1.855	94	17185	9.764	ug/L	99
8) Chloroethane	1.926	64	20767	10.342	ug/L	92
9) Trichlorofluoromethane	2.135	101	54259	11.559	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	30543	10.018	ug/L	99
12) 1,1-Dichloroethene	2.578	96	28922	10.692	ug/L	97
13) Acetone	2.636	43	42774	20.766	ug/L	97
14) Carbon disulfide	2.794	76	88932	12.829	ug/L	99
15) Methyl Acetate	2.954	43	46669	11.260	ug/L	99
16) Methylene chloride	3.051	84	35830	10.429	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	31360	11.099	ug/L	96
18) Methyl tert-butyl Ether	3.366	73	102760	11.057	ug/L	100
19) 1,1-Dichloroethane	3.871	63	63962	10.885	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	34177	10.273	ug/L	97
22) 2-Butanone	4.716	43	67631	22.212	ug/L	96
23) Bromochloromethane	4.974	128	17603	9.590	ug/L	94
25) Chloroform	5.089	83	64528	10.841	ug/L	98
27) 1,2-Dichloroethane	5.797	62	51802	11.623	ug/L	99
29) Cyclohexane	5.388	56	52234	13.212	ug/L	99
30) 1,1,1-Trichloroethane	5.318	97	56555	12.488	ug/L	100
31) Carbon tetrachloride	5.524	117	48377	12.525	ug/L	98
33) Benzene	5.774	78	136809	11.746	ug/L	100
34) Trichloroethene	6.543	95	33341	11.656	ug/L	97
35) Methylcyclohexane	6.765	83	51431	12.403	ug/L	97
37) 1,2-Dichloropropane	6.794	63	38654	11.685	ug/L	99
38) Bromodichloromethane	7.105	83	45986	11.065	ug/L	94
39) cis-1,3-Dichloropropene	7.607	75	50511	10.781	ug/L	95
40) 4-Methyl-2-pentanone	7.797	43	117651	23.676	ug/L	99
42) Toluene	7.970	91	139465	11.483	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	50145	11.048	ug/L	98

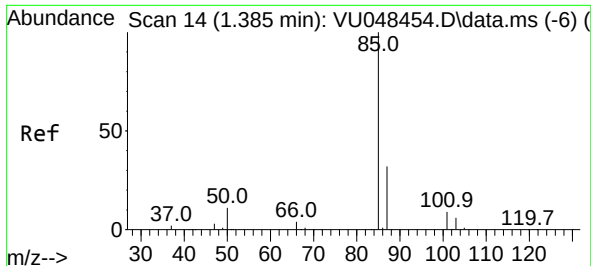
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050622\
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 Quant Title : VOC Analysis
 QLast Update : Fri May 06 23:19:19 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	35118	10.499	ug/L	97
46) Tetrachloroethene	8.552	164	25134	10.522	ug/L	95
48) 2-Hexanone	8.691	43	97920	23.717	ug/L	97
49) Dibromochloromethane	8.810	129	35819	9.751	ug/L	98
50) 1,2-Dibromoethane	8.925	107	35547	10.310	ug/L	95
51) Chlorobenzene	9.446	112	85683	10.009	ug/L	97
52) Ethylbenzene	9.572	91	136085	10.790	ug/L	98
53) m,p-Xylene	9.694	106	51728	10.515	ug/L	99
54) o-Xylene	10.102	106	52625	10.635	ug/L	98
55) Styrene	10.115	104	81800	9.852	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.784	83	64715	9.875	ug/L	99
59) Bromoform	10.292	173	27239	10.567	ug/L	95
60) 1,2,3-Trichloropropane	10.826	75	50637	11.839	ug/L	98
61) Isopropylbenzene	10.485	105	126561	12.157	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	66645	12.056	ug/L	100
63) 1,2,4-Trimethylbenzene	11.469	105	97269	11.568	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	60505	10.767	ug/L	96
65) 1,4-Dichlorobenzene	11.838	146	60931	10.573	ug/L	100
67) 1,2-Dichlorobenzene	12.215	146	63154	10.635	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	14392	12.407	ug/L	94
69) 1,3,5-Trichlorobenzene	13.221	180	40524	9.783	ug/L	98
70) 1,2,4-trichlorobenzene	13.842	180	32210	9.778	ug/L	98
71) Naphthalene	14.089	128	119921	12.354	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	36176	10.705	ug/L	97

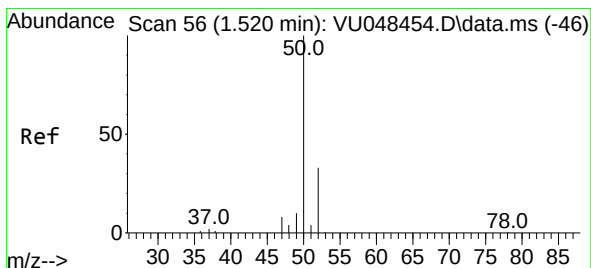
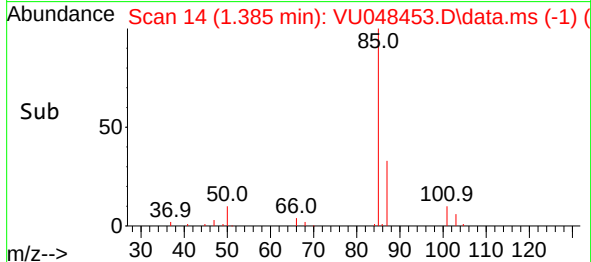
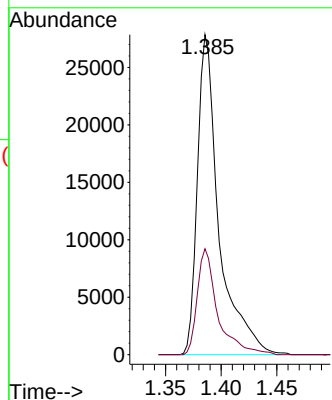
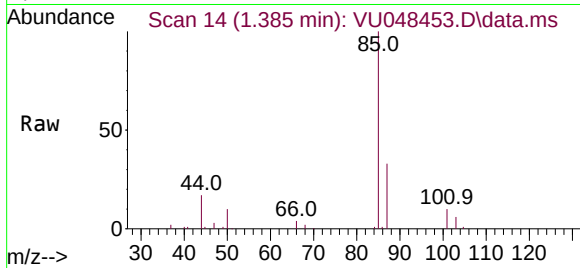
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#2
Dichlorodifluoromethane
Concen: 11.823 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

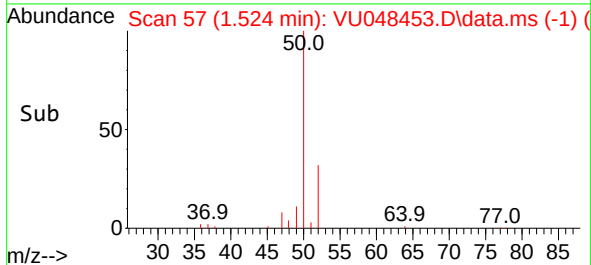
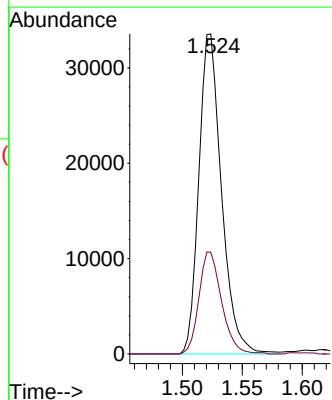
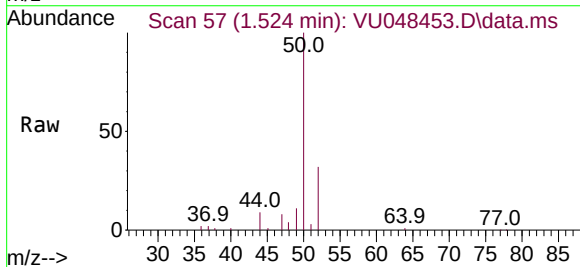
Instrument :
MSVOA_U
ClientSampleId :
VSTD010063

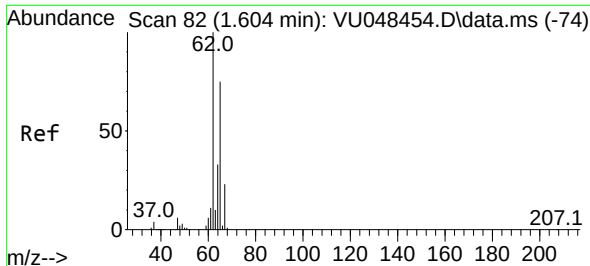
Tgt Ion: 85 Resp: 37489
Ion Ratio Lower Upper
85 100
87 31.4 26.2 39.4



#3
Chloromethane
Concen: 12.123 ug/L
RT: 1.524 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

Tgt Ion: 50 Resp: 44195
Ion Ratio Lower Upper
50 100
52 31.8 23.0 42.8

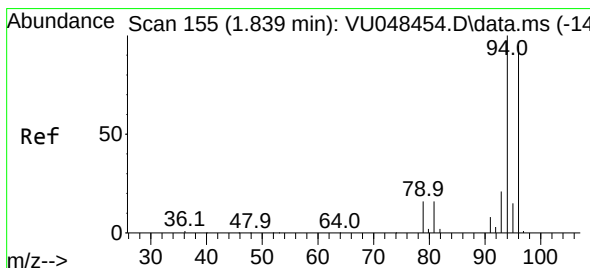
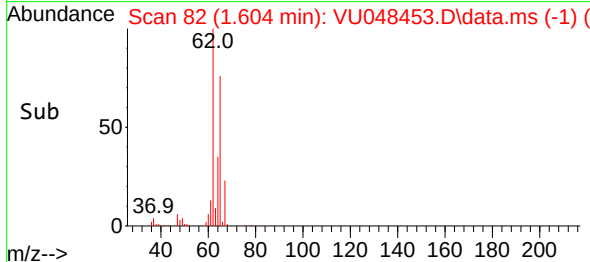
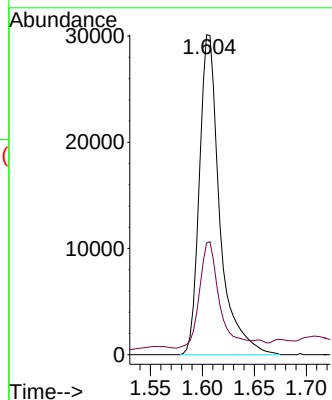
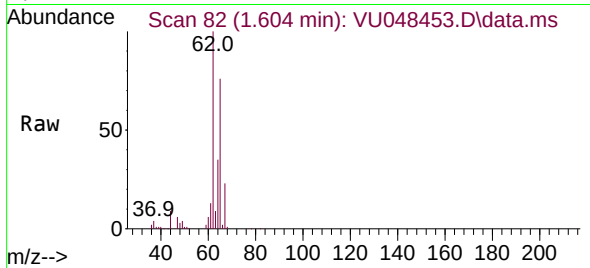




#5
 Vinyl chloride
 Concen: 11.368 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU048453.D
 Acq: 06 May 2022 13:48

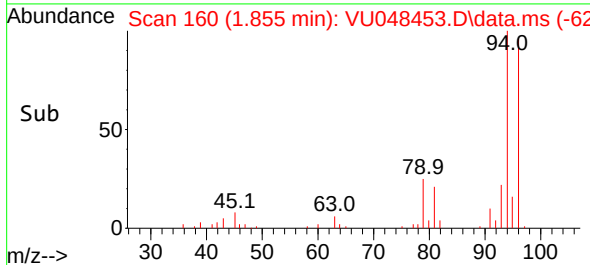
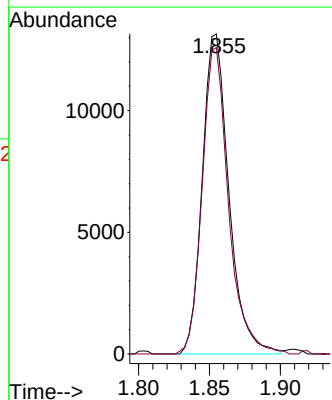
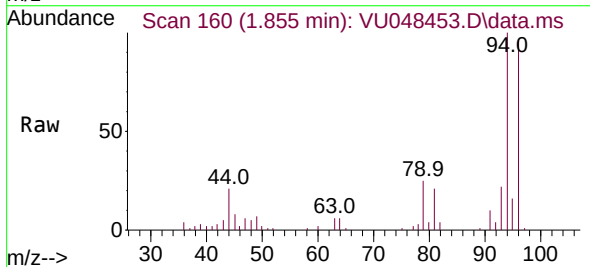
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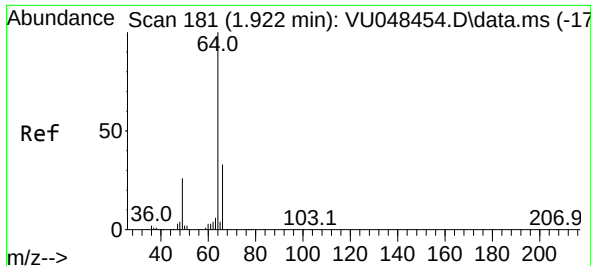
Tgt Ion: 62 Resp: 41121
 Ion Ratio Lower Upper
 62 100
 64 34.9 23.2 43.0



#6
 Bromomethane
 Concen: 9.764 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. 0.016 min
 Lab File: VU048453.D
 Acq: 06 May 2022 13:48

Tgt Ion: 94 Resp: 17185
 Ion Ratio Lower Upper
 94 100
 96 95.8 66.5 123.5

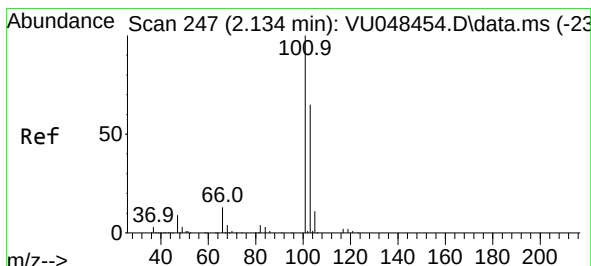
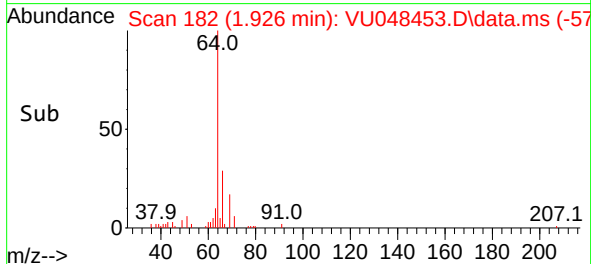
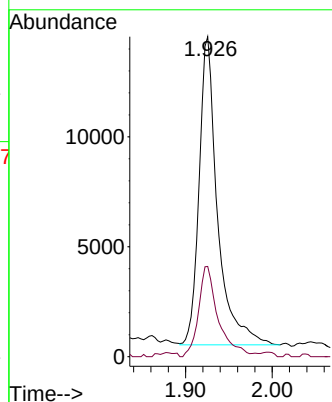
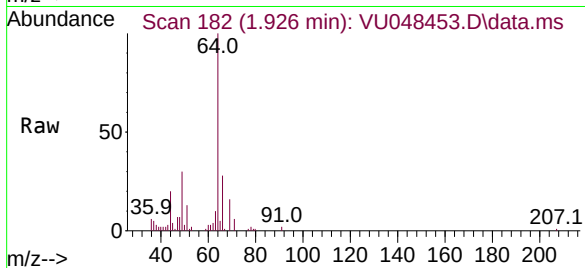




#8
Chloroethane
Concen: 10.342 ug/L
RT: 1.926 min Scan# 181
Delta R.T. 0.003 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

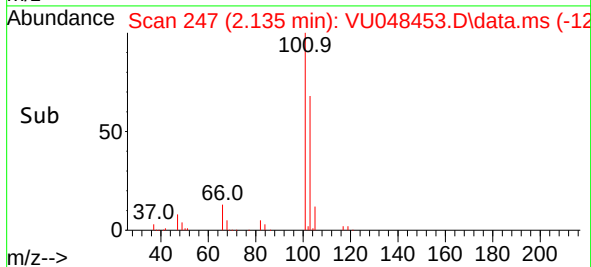
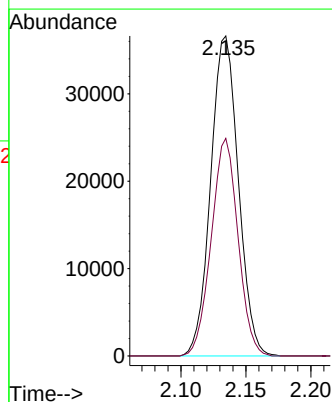
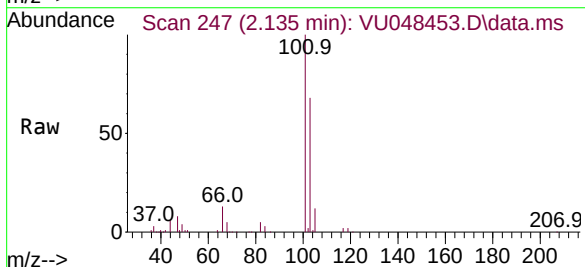
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ClientSampleId :
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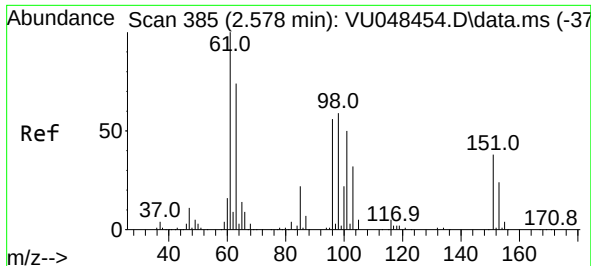
Tgt Ion: 64 Resp: 20767
Ion Ratio Lower Upper
64 100
66 28.2 22.8 42.4



#9
Trichlorofluoromethane
Concen: 11.559 ug/L
RT: 2.135 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

Tgt Ion:101 Resp: 54259
Ion Ratio Lower Upper
101 100
103 65.6 52.0 78.0

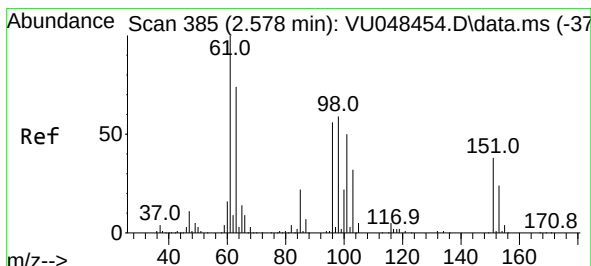
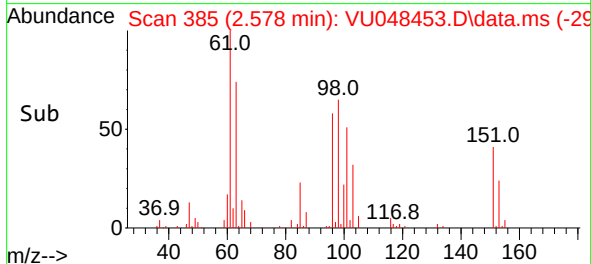
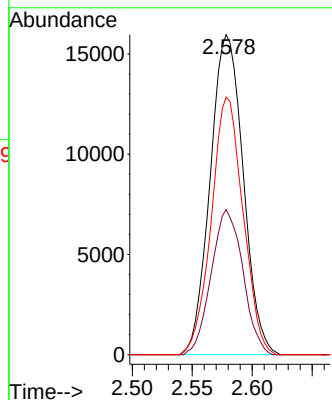
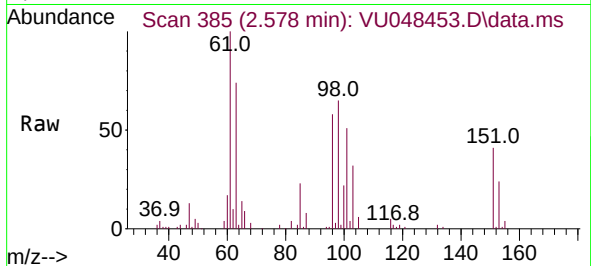




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 10.018 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU048453.D
 Acq: 06 May 2022 13:48

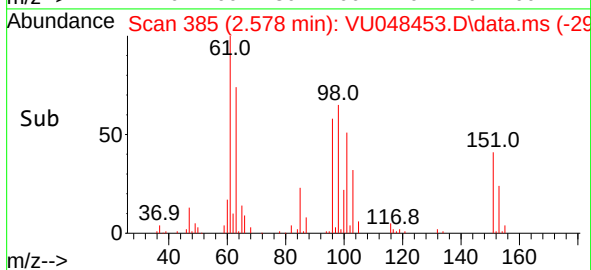
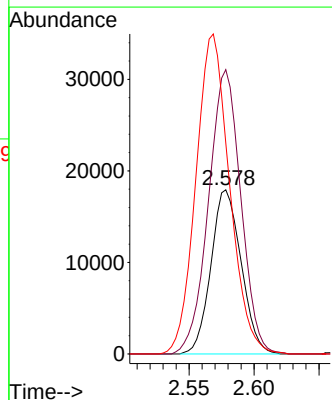
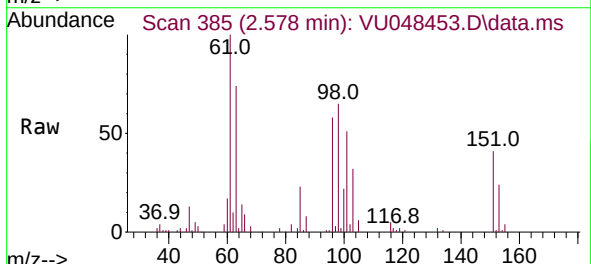
Instrument :
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 ClientSampleId :
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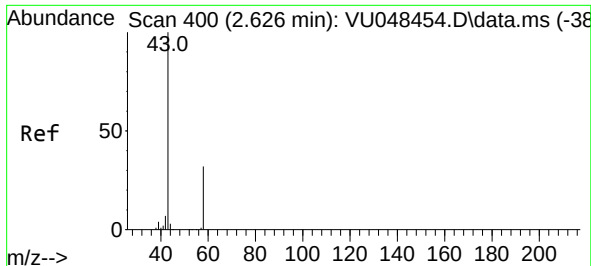
Tgt Ion:101 Resp: 30543
 Ion Ratio Lower Upper
 101 100
 85 43.5 34.8 52.2
 151 77.3 60.7 91.1



#12
 1,1-Dichloroethene
 Concen: 10.692 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU048453.D
 Acq: 06 May 2022 13:48

Tgt Ion: 96 Resp: 28922
 Ion Ratio Lower Upper
 96 100
 61 173.3 124.5 231.3
 63 128.5 92.5 171.9





#13

Acetone

Concen: 20.766 ug/L

RT: 2.636 min Scan# 400

Delta R.T. 0.010 min

Lab File: VU048453.D

Acq: 06 May 2022 13:48

Instrument :

MSVOA_U

ClientSampleId :

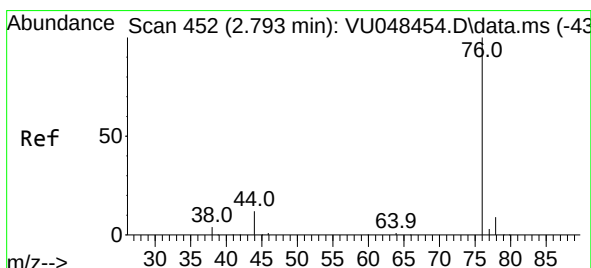
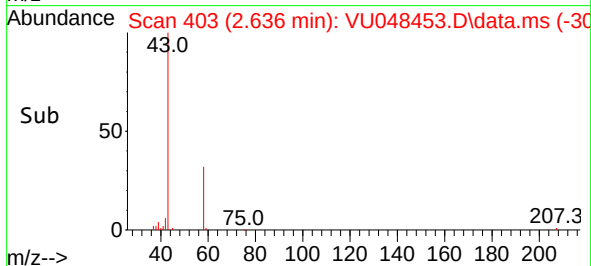
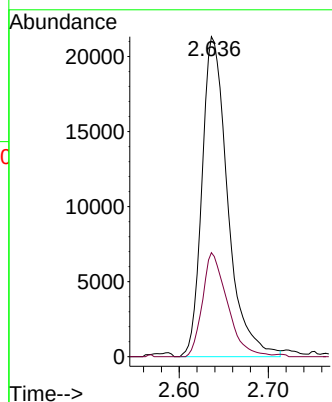
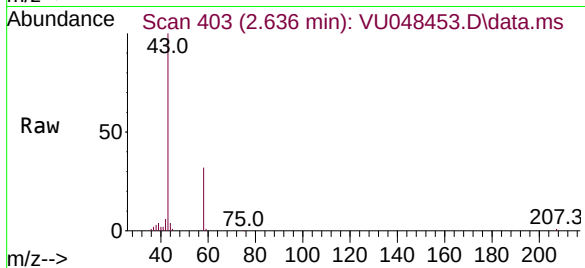
VSTD010063

Tgt Ion: 43 Resp: 42774

Ion Ratio Lower Upper

43 100

58 31.5 0.0 66.2



#14

Carbon disulfide

Concen: 12.829 ug/L

RT: 2.794 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU048453.D

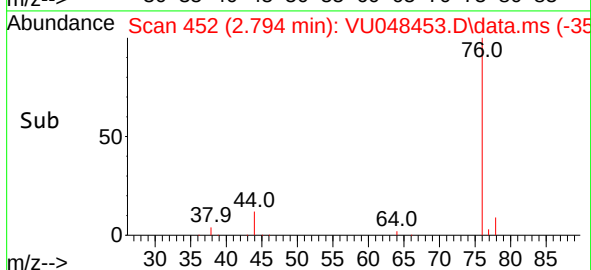
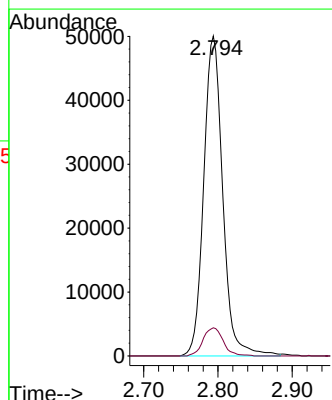
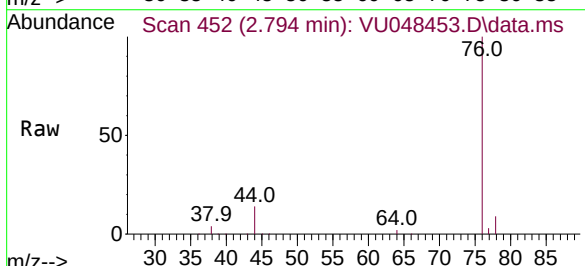
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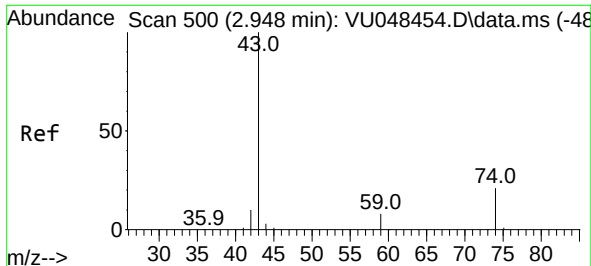
Tgt Ion: 76 Resp: 88932

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

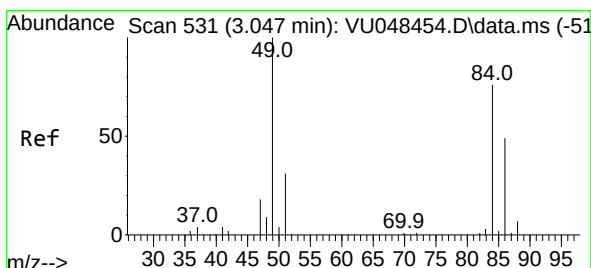
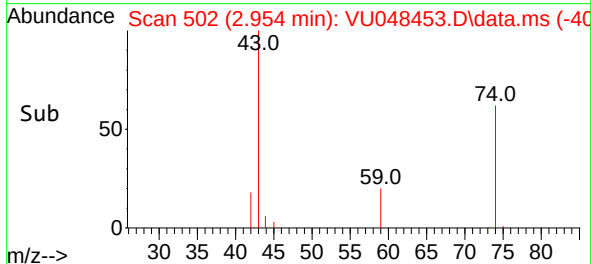
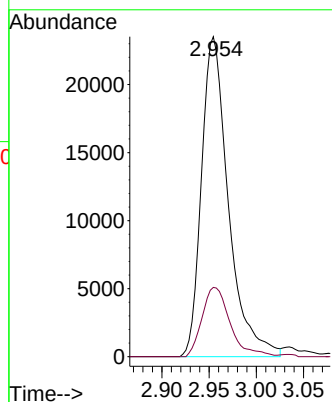
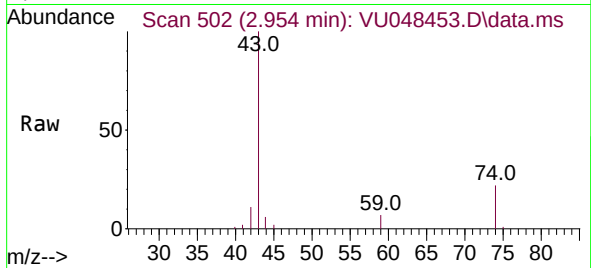




#15
Methyl Acetate
Concen: 11.260 ug/L
RT: 2.954 min Scan# 501
Delta R.T. 0.007 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

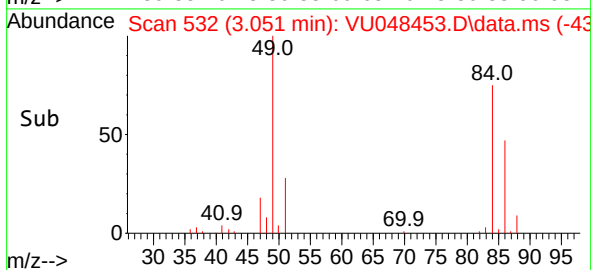
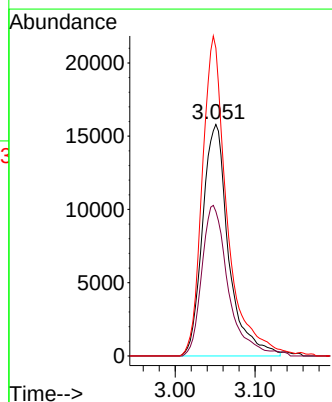
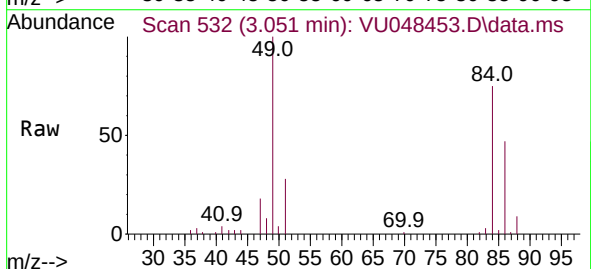
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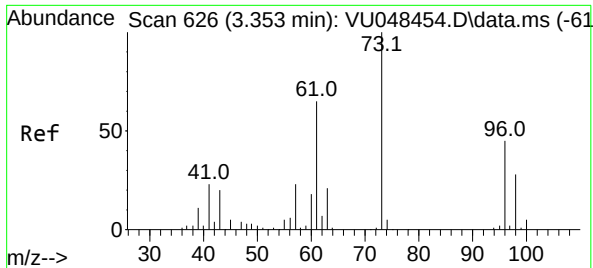
Tgt Ion: 43 Resp: 46669
Ion Ratio Lower Upper
43 100
74 22.6 17.6 26.4



#16
Methylene chloride
Concen: 10.429 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.003 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

Tgt Ion: 84 Resp: 35830
Ion Ratio Lower Upper
84 100
86 62.4 44.8 83.2
49 132.9 92.0 170.8

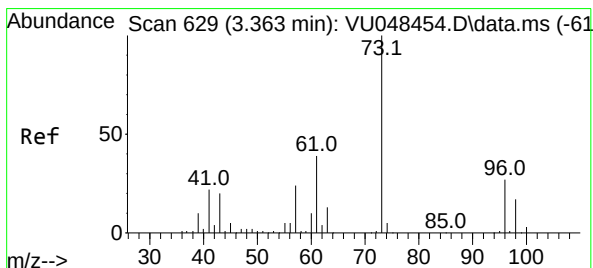
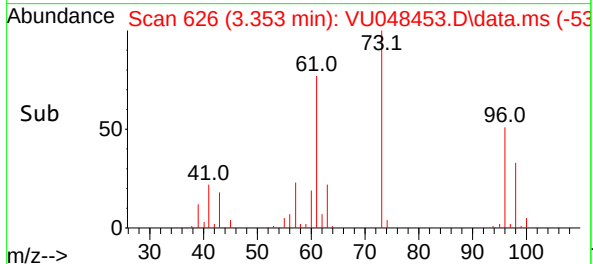
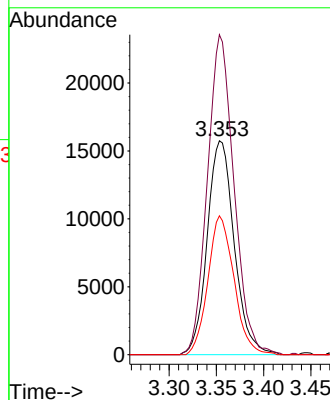
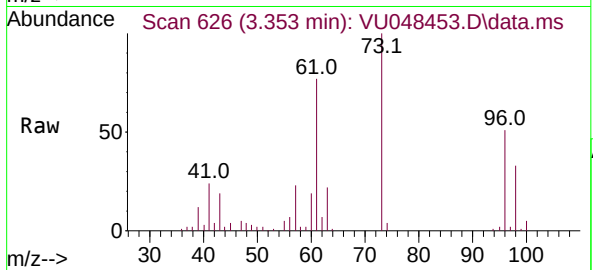




#17
trans-1,2-Dichloroethene
Concen: 11.099 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

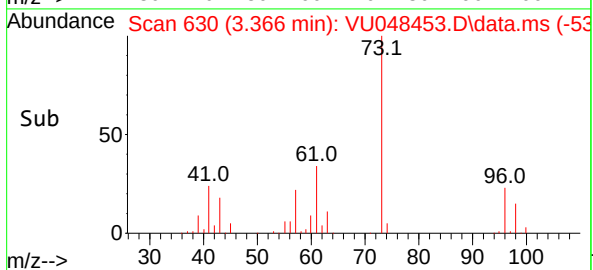
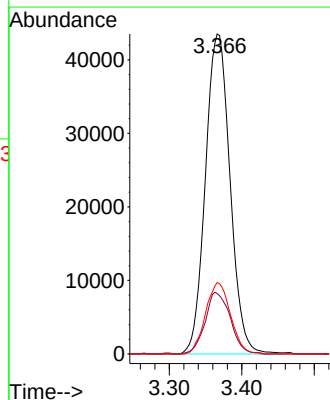
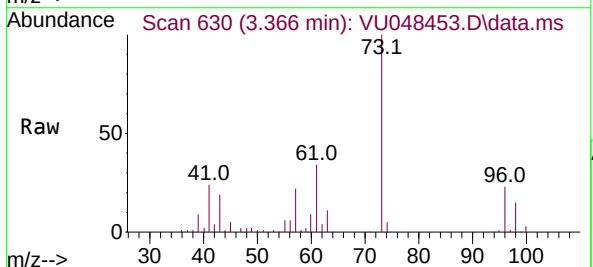
Instrument :
MSVOA_U
ClientSampleId :
VSTD010063

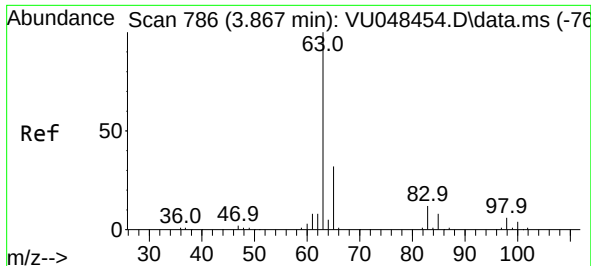
Tgt Ion: 96 Resp: 31360
Ion Ratio Lower Upper
96 100
61 149.5 101.2 187.8
98 64.9 43.3 80.3



#18
Methyl tert-butyl Ether
Concen: 11.057 ug/L
RT: 3.366 min Scan# 630
Delta R.T. 0.003 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

Tgt Ion: 73 Resp: 102760
Ion Ratio Lower Upper
73 100
43 19.6 15.6 23.4
57 22.5 18.1 27.1

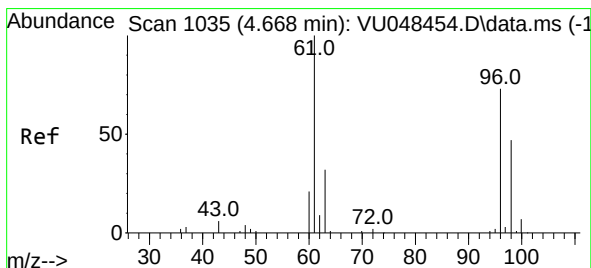
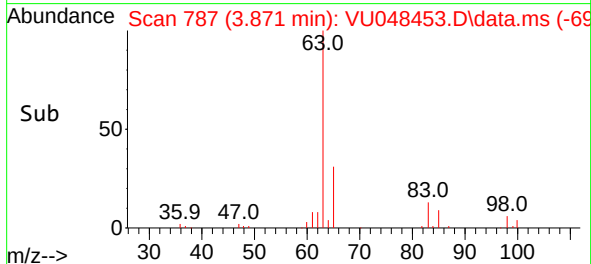
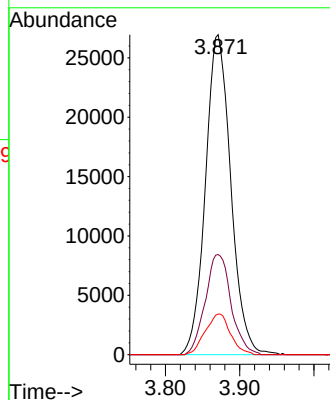
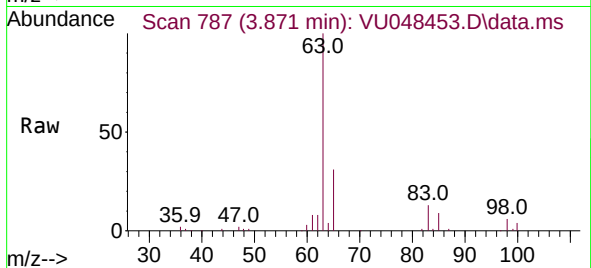




#19
1,1-Dichloroethane
Concen: 10.885 ug/L
RT: 3.871 min Scan# 786
Delta R.T. 0.003 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

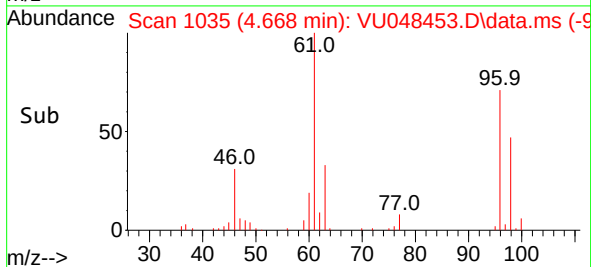
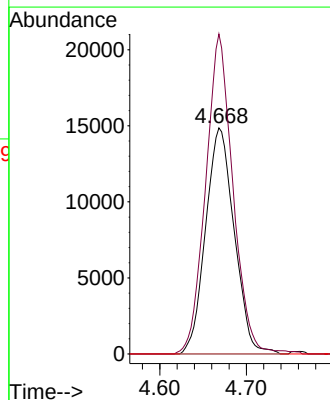
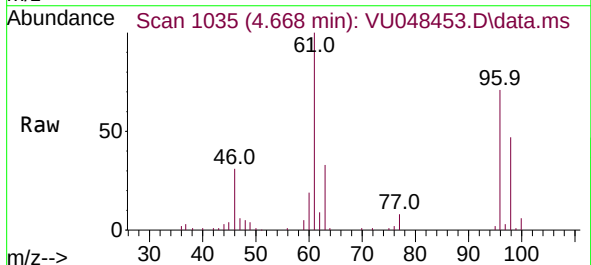
Instrument :
MSVOA_U
ClientSampleId :
VSTD010063

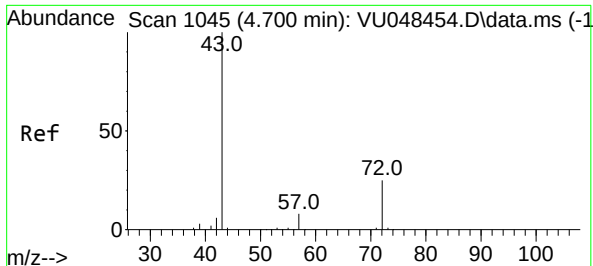
Tgt Ion: 63 Resp: 63962
Ion Ratio Lower Upper
63 100
65 31.3 22.0 41.0
83 12.7 8.5 15.9



#20
cis-1,2-Dichloroethene
Concen: 10.273 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

Tgt Ion: 96 Resp: 34177
Ion Ratio Lower Upper
96 100
61 141.6 96.2 178.8
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 22.212 ug/L

RT: 4.716 min Scan# 11050

Delta R.T. 0.016 min

Lab File: VU048453.D

Acq: 06 May 2022 13:48

Instrument :

MSVOA_U

ClientSampleId :

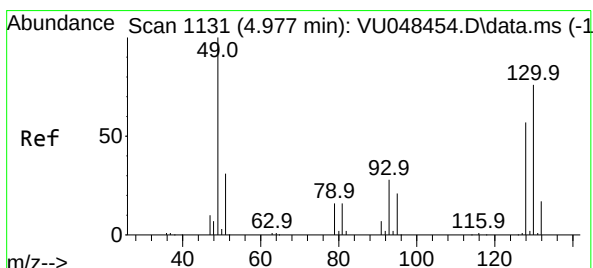
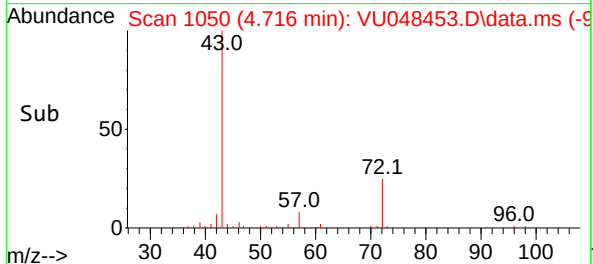
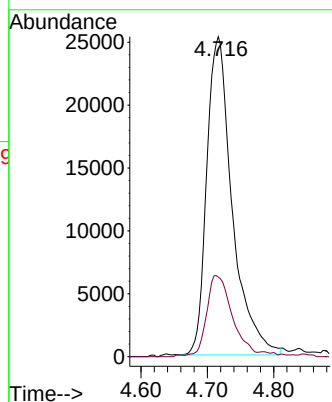
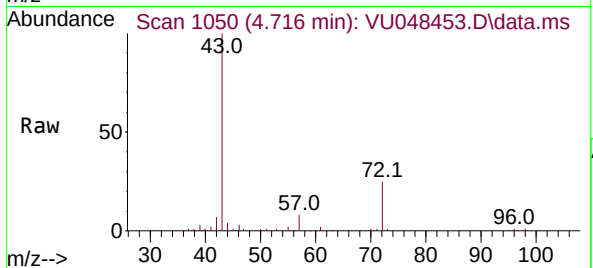
VSTD010063

Tgt Ion: 43 Resp: 67631

Ion Ratio Lower Upper

43 100

72 24.7 13.3 39.9



#23

Bromochloromethane

Concen: 9.590 ug/L

RT: 4.974 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VU048453.D

Acq: 06 May 2022 13:48

Tgt Ion: 128 Resp: 17603

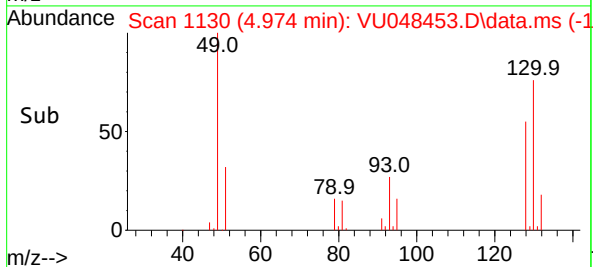
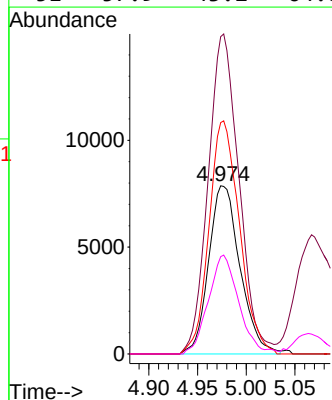
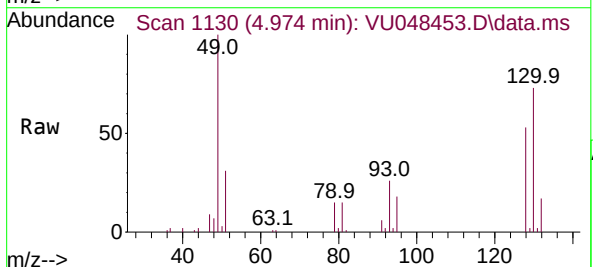
Ion Ratio Lower Upper

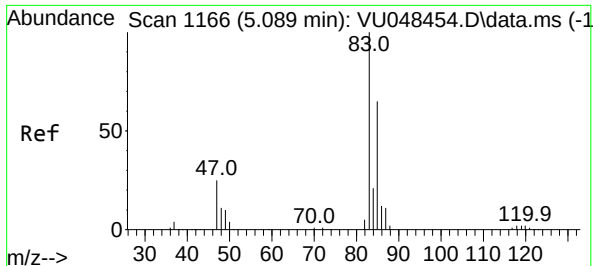
128 100

49 188.7 123.1 228.7

130 137.6 93.6 173.8

51 57.9 43.2 64.8





#25

Chloroform

Concen: 10.841 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU048453.D

Acq: 06 May 2022 13:48

Instrument :

MSVOA_U

ClientSampleId :

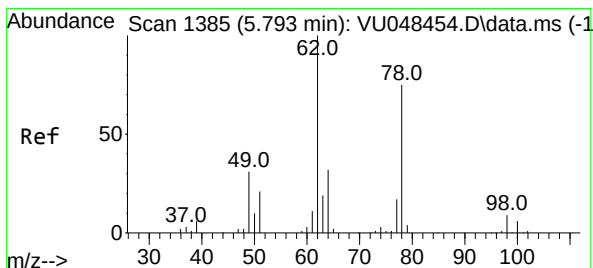
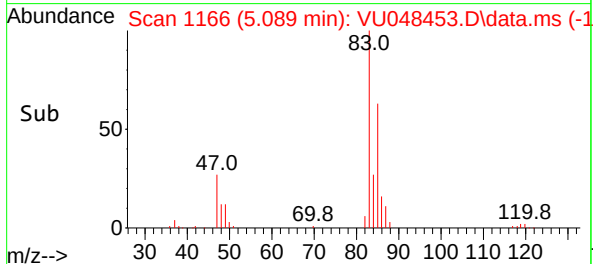
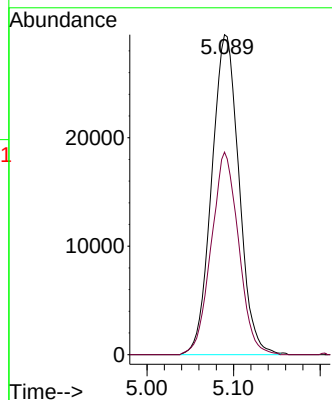
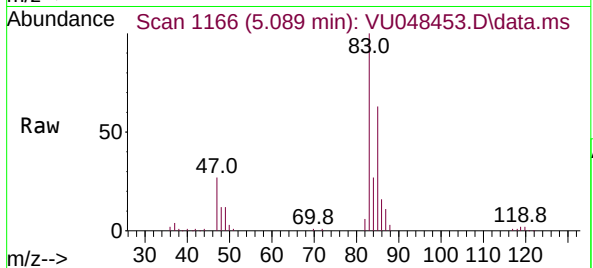
VSTD010063

Tgt Ion: 83 Resp: 64528

Ion Ratio Lower Upper

83 100

85 63.3 45.4 84.2



#27

1,2-Dichloroethane

Concen: 11.623 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.003 min

Lab File: VU048453.D

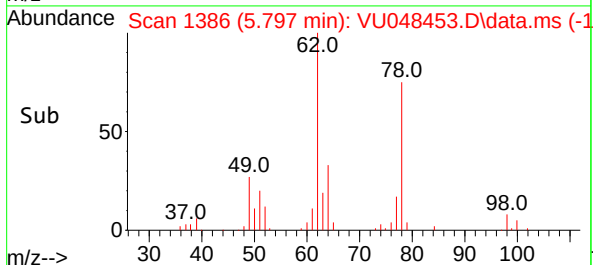
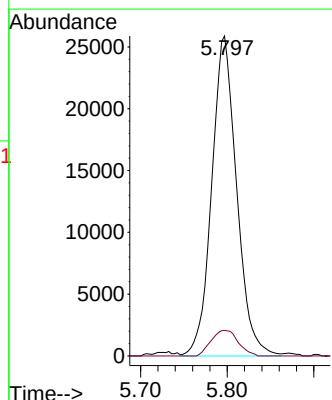
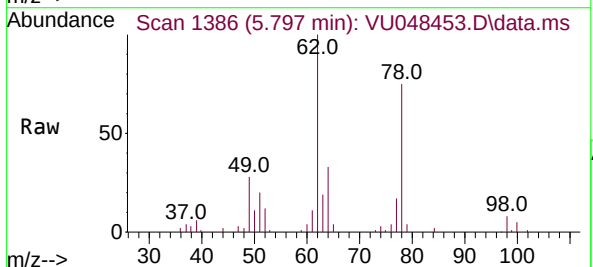
Acq: 06 May 2022 13:48

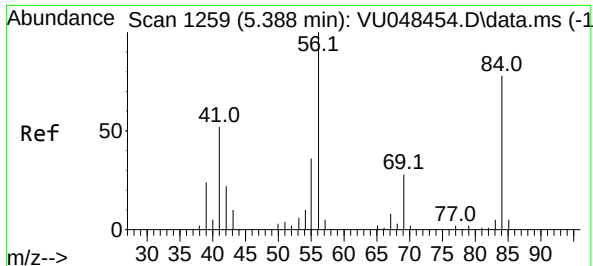
Tgt Ion: 62 Resp: 51802

Ion Ratio Lower Upper

62 100

98 8.0 6.8 10.2





#29

Cyclohexane

Concen: 13.212 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU048453.D

Acq: 06 May 2022 13:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD010063

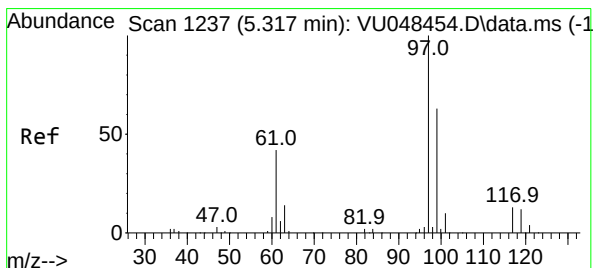
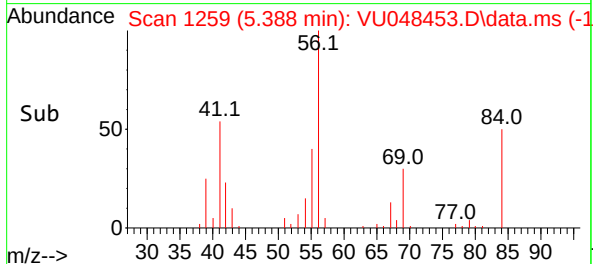
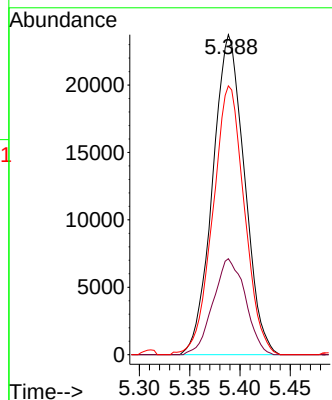
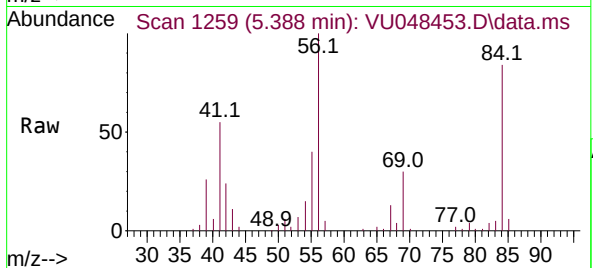
Tgt Ion: 56 Resp: 52234

Ion Ratio Lower Upper

56 100

69 30.3 23.4 35.0

84 83.0 65.5 98.3



#30

1,1,1-Trichloroethane

Concen: 12.488 ug/L

RT: 5.318 min Scan# 1237

Delta R.T. 0.000 min

Lab File: VU048453.D

Acq: 06 May 2022 13:48

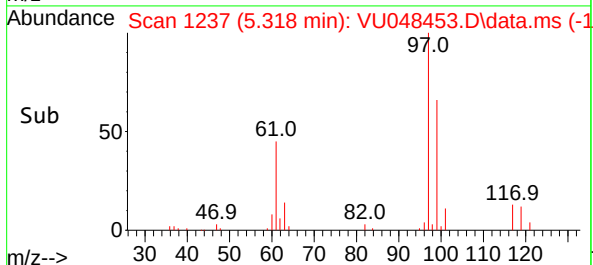
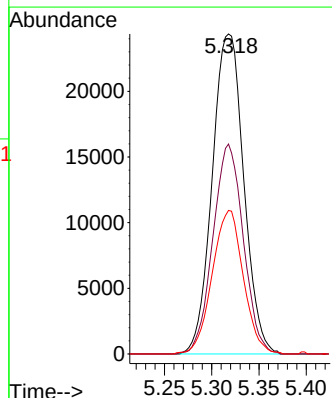
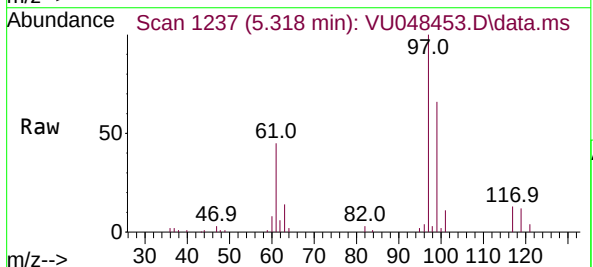
Tgt Ion: 97 Resp: 56555

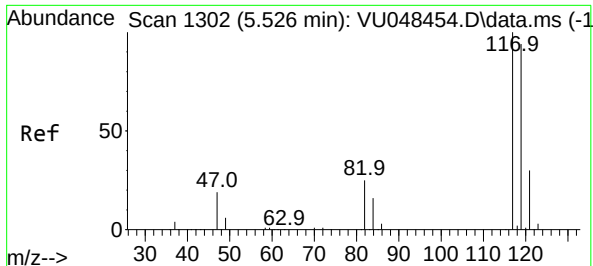
Ion Ratio Lower Upper

97 100

99 63.2 50.5 75.7

61 44.3 35.0 52.4

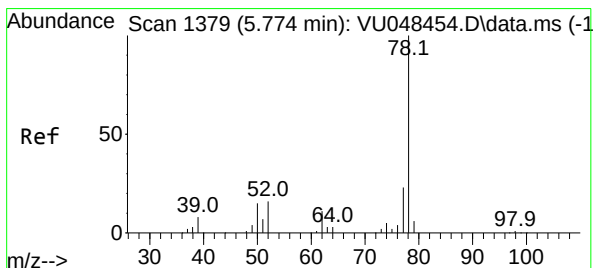
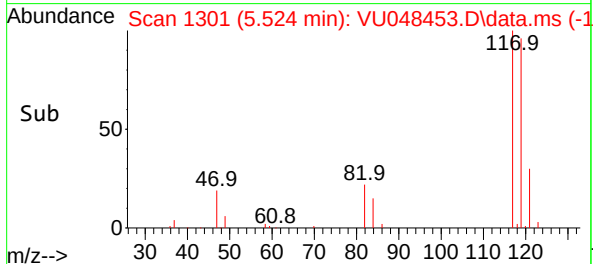
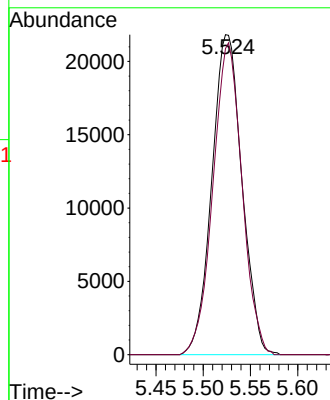
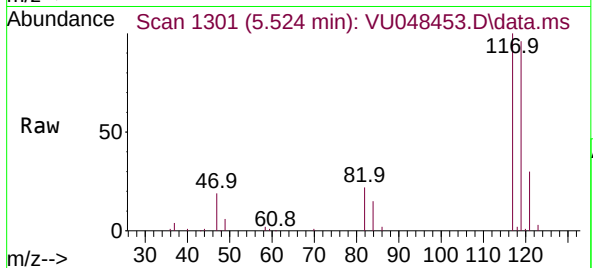




#31
Carbon tetrachloride
Concen: 12.525 ug/L
RT: 5.524 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

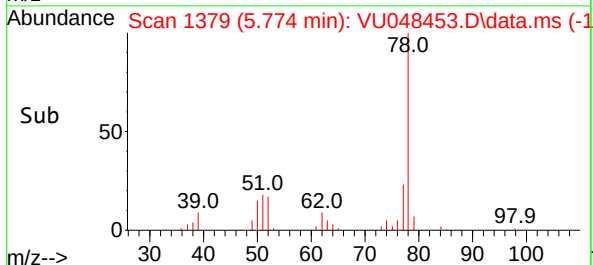
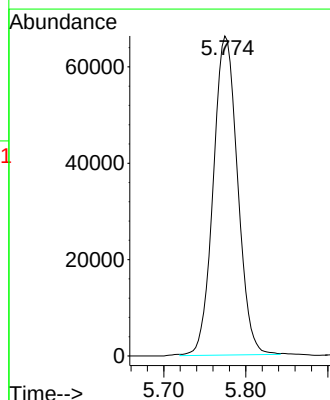
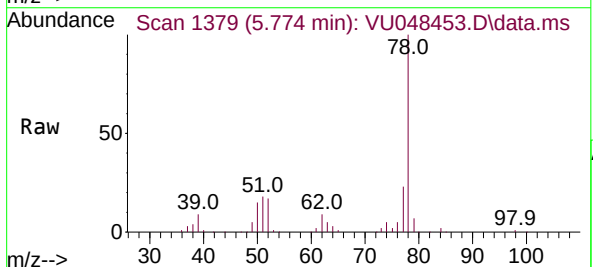
Instrument :
MSVOA_U
ClientSampleId :
VSTD010063

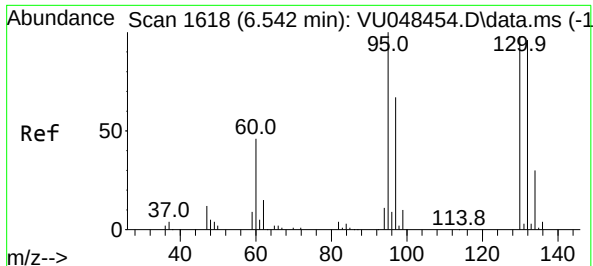
Tgt Ion:117 Resp: 48377
Ion Ratio Lower Upper
117 100
119 94.0 76.5 114.7



#33
Benzene
Concen: 11.746 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

Tgt Ion: 78 Resp: 136809

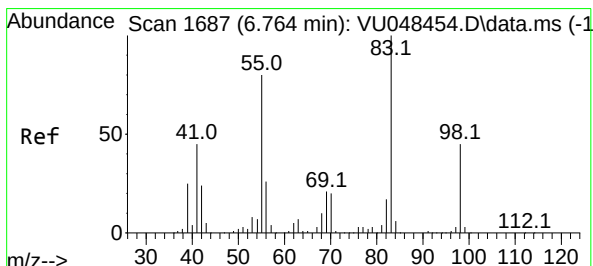
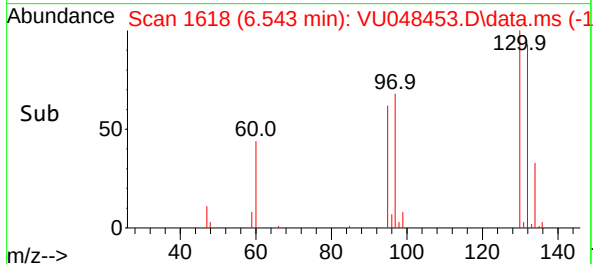
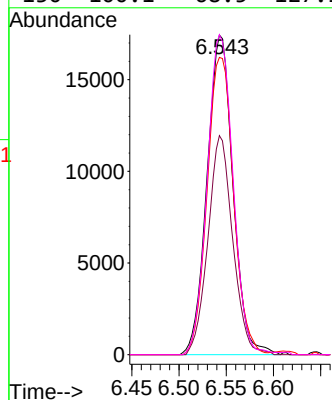
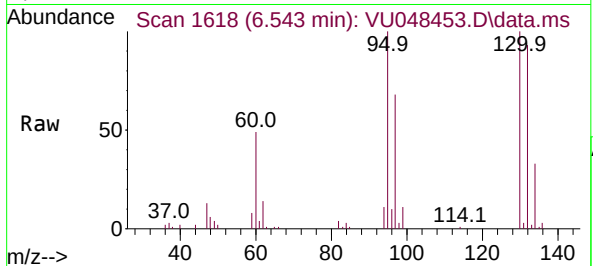




#34
Trichloroethene
Concen: 11.656 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

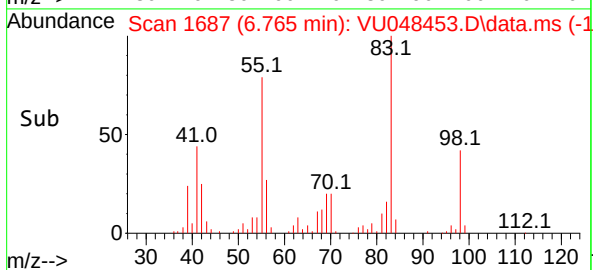
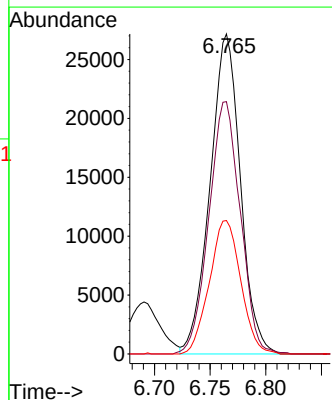
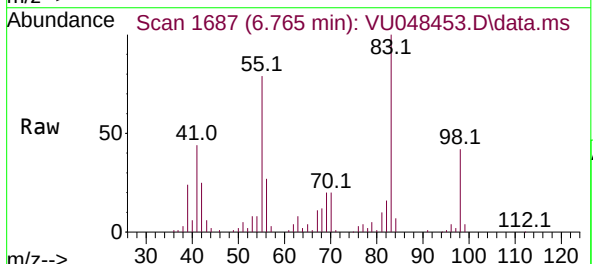
Instrument :
MSVOA_U
ClientSampleId :
VSTD010063

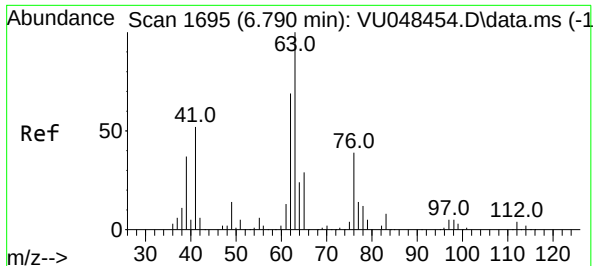
Tgt Ion: 95 Resp: 33341
Ion Ratio Lower Upper
95 100
97 68.5 46.6 86.6
132 93.0 67.3 124.9
130 100.1 68.5 127.1



#35
Methylcyclohexane
Concen: 12.403 ug/L
RT: 6.765 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

Tgt Ion: 83 Resp: 51431
Ion Ratio Lower Upper
83 100
55 81.7 63.4 95.2
98 43.2 35.9 53.9





#37

1,2-Dichloropropane

Concen: 11.685 ug/L

RT: 6.794 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048453.D

Acq: 06 May 2022 13:48

Instrument :

MSVOA_U

ClientSampleId :

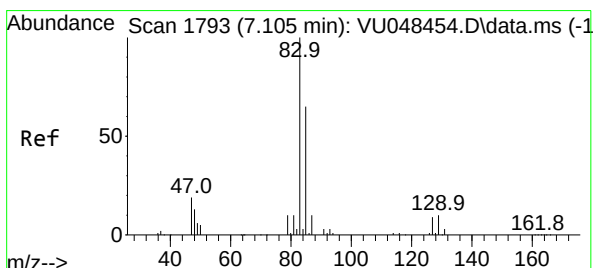
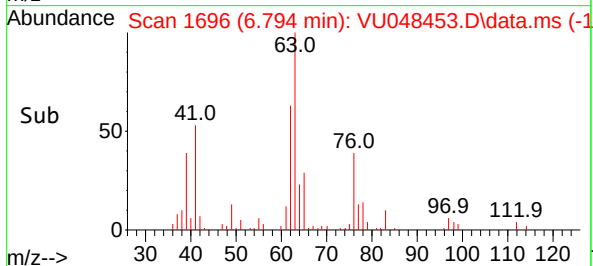
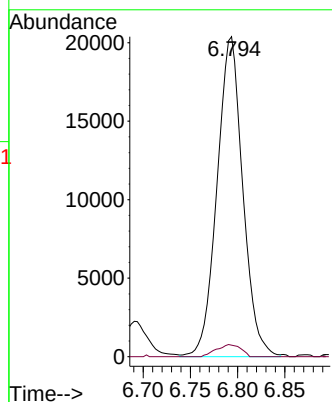
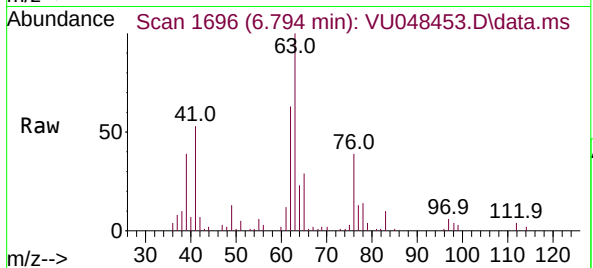
VSTD010063

Tgt Ion: 63 Resp: 38654

Ion Ratio Lower Upper

63 100

112 3.6 3.1 4.7



#38

Bromodichloromethane

Concen: 11.065 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU048453.D

Acq: 06 May 2022 13:48

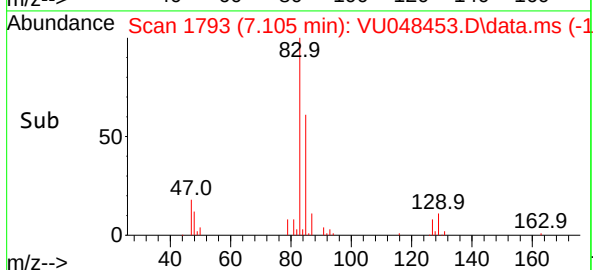
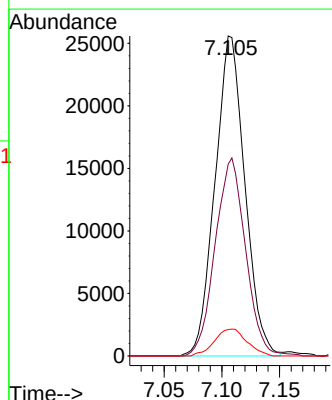
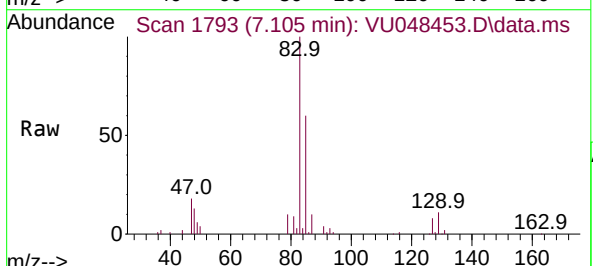
Tgt Ion: 83 Resp: 45986

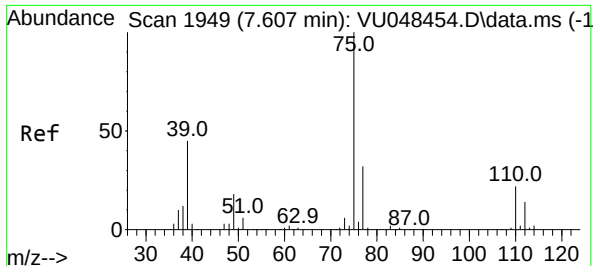
Ion Ratio Lower Upper

83 100

85 60.0 45.5 84.5

127 8.3 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 10.781 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU048453.D

Acq: 06 May 2022 13:48

Instrument :

MSVOA_U

ClientSampleId :

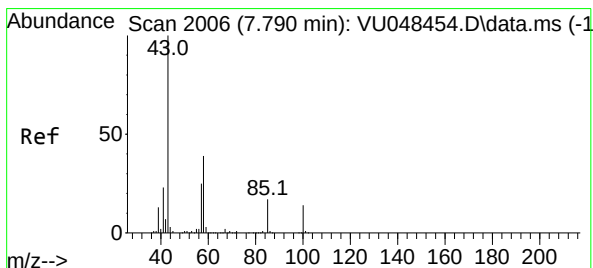
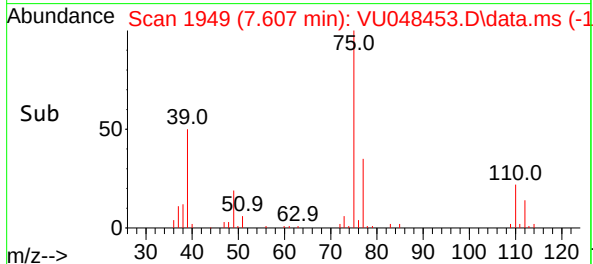
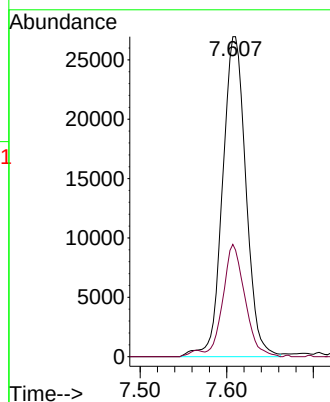
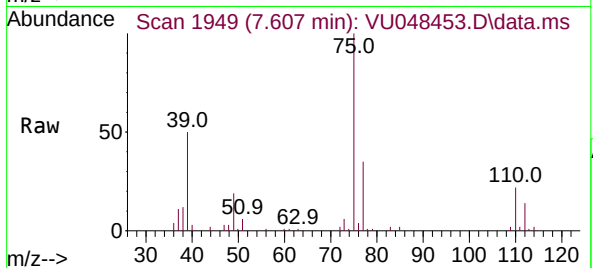
VSTD010063

Tgt Ion: 75 Resp: 50511

Ion Ratio Lower Upper

75 100

77 35.1 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 23.676 ug/L

RT: 7.797 min Scan# 2008

Delta R.T. 0.007 min

Lab File: VU048453.D

Acq: 06 May 2022 13:48

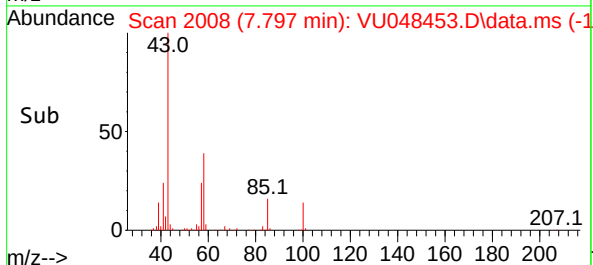
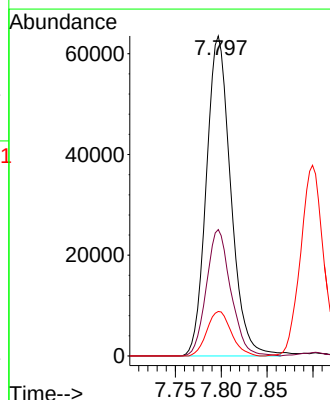
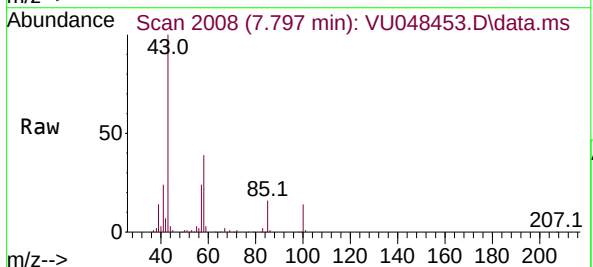
Tgt Ion: 43 Resp: 117651

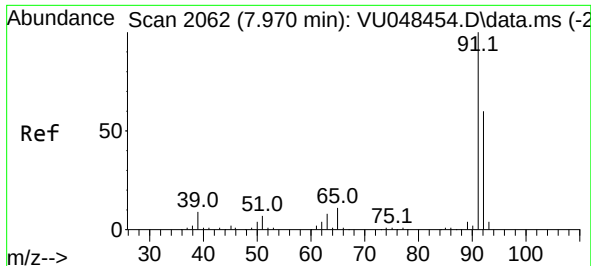
Ion Ratio Lower Upper

43 100

58 39.5 31.0 46.4

100 13.9 11.2 16.8





#42

Toluene

Concen: 11.483 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU048453.D

Acq: 06 May 2022 13:48

Instrument :

MSVOA_U

ClientSampleId :

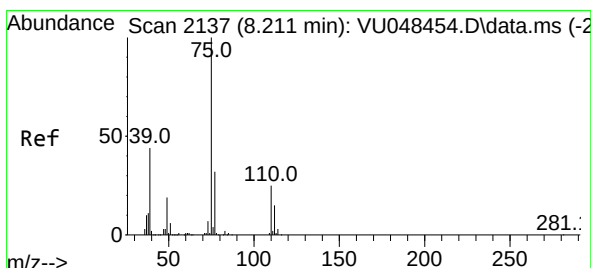
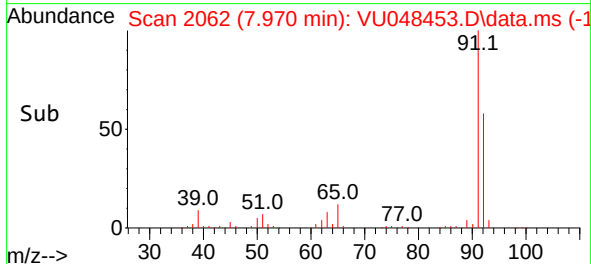
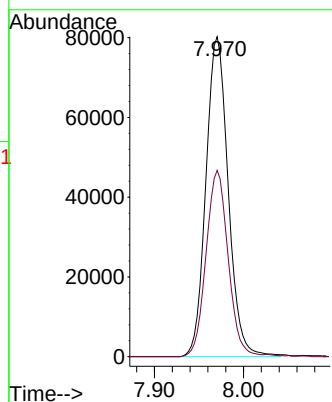
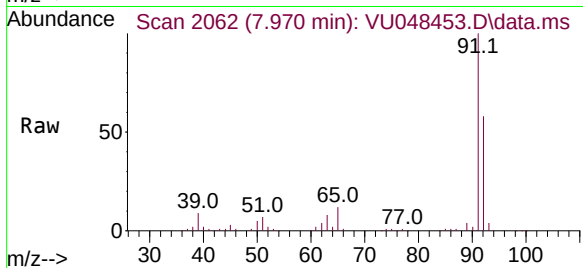
VSTD010063

Tgt Ion: 91 Resp: 139465

Ion Ratio Lower Upper

91 100

92 58.2 41.7 77.5



#44

trans-1,3-Dichloropropene

Concen: 11.048 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU048453.D

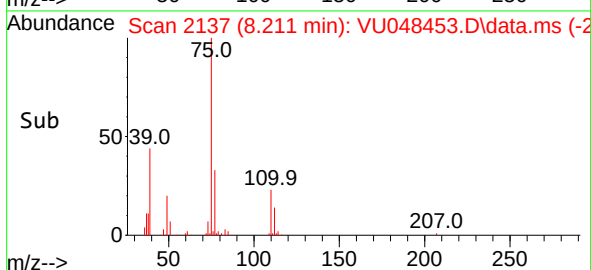
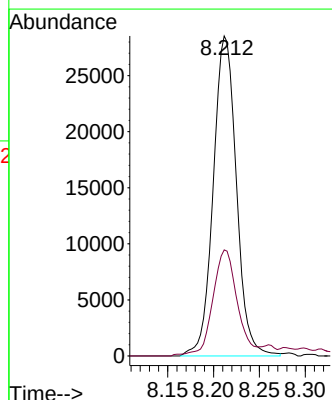
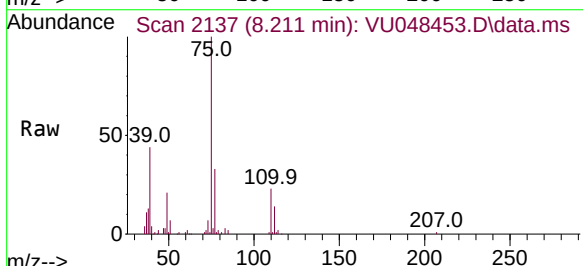
Acq: 06 May 2022 13:48

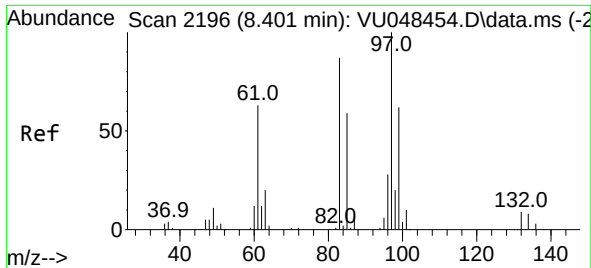
Tgt Ion: 75 Resp: 50145

Ion Ratio Lower Upper

75 100

77 33.2 22.6 42.0

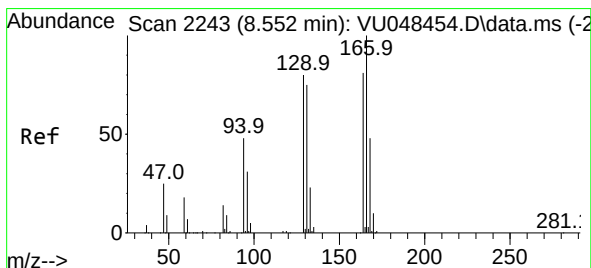
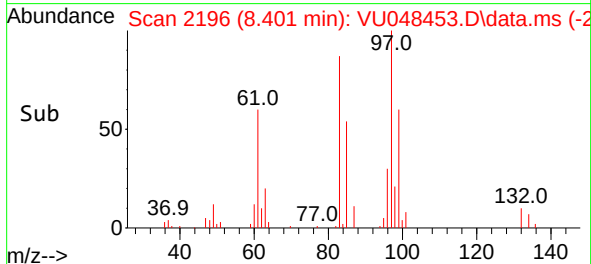
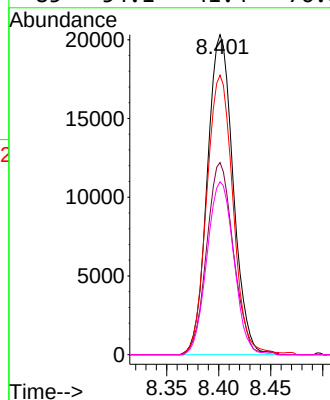
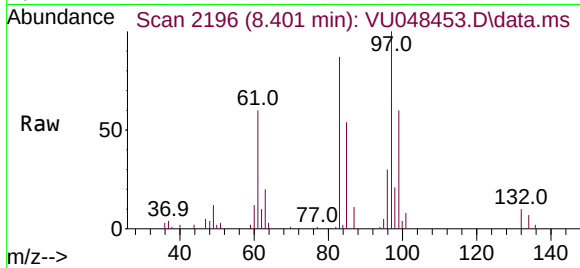




#45
1,1,2-Trichloroethane
Concen: 10.499 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

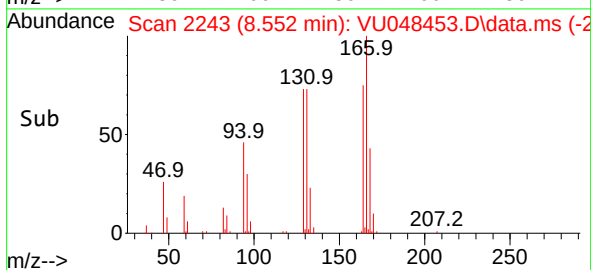
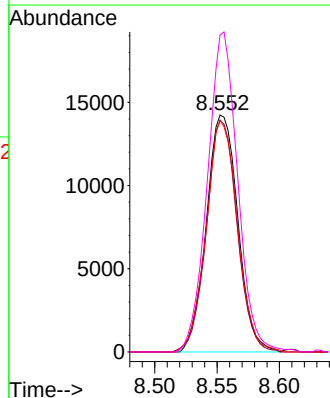
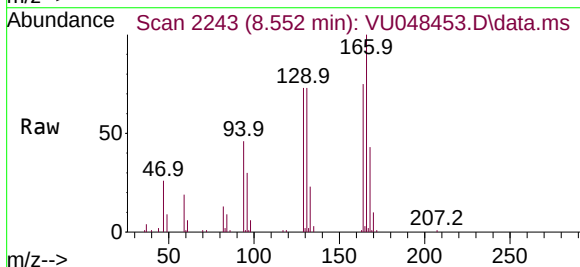
Instrument :
MSVOA_U
ClientSampleId :
VSTD010063

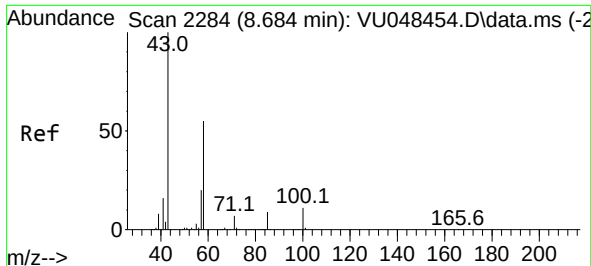
Tgt Ion:	97	Resp:	35118
Ion	Ratio	Lower	Upper
97	100		
99	60.1	43.5	80.9
83	87.4	60.5	112.5
85	54.1	41.4	76.8



#46
Tetrachloroethene
Concen: 10.522 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

Tgt Ion:	164	Resp:	25134
Ion	Ratio	Lower	Upper
164	100		
129	97.5	69.2	128.6
131	97.9	65.2	121.0
166	133.8	86.6	160.8

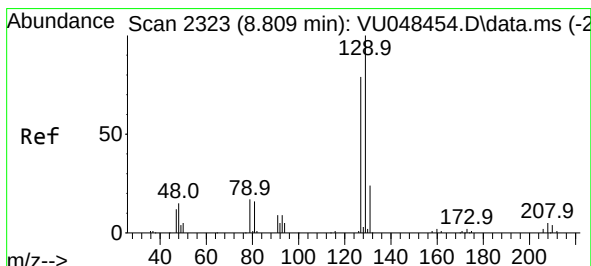
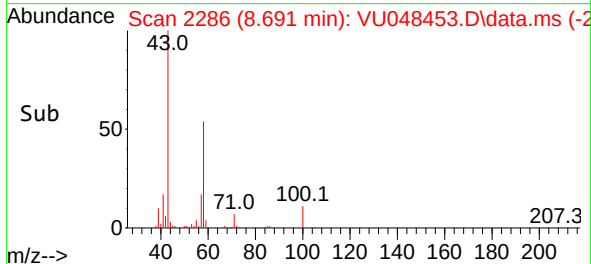
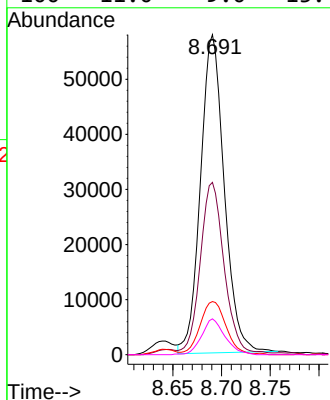
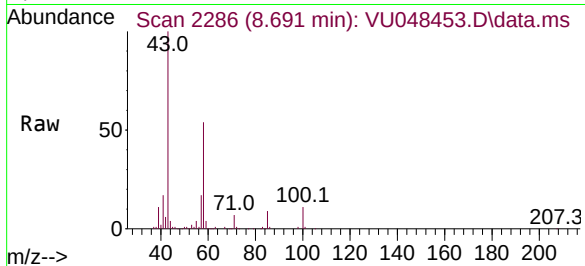




#48
2-Hexanone
Concen: 23.717 ug/L
RT: 8.691 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

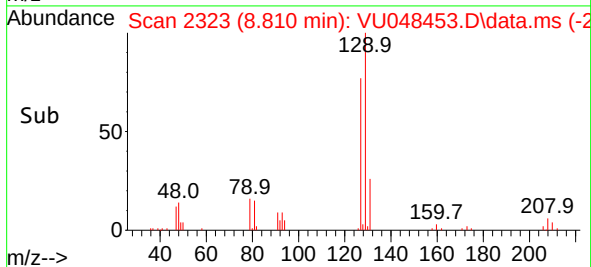
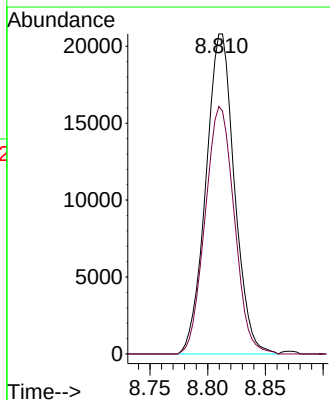
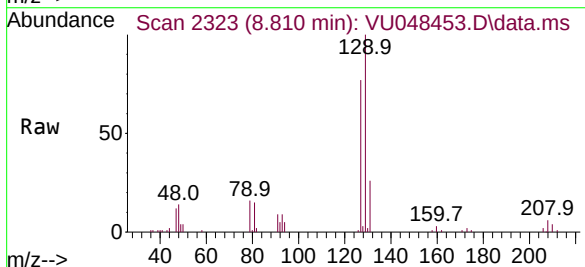
Instrument :
MSVOA_U
ClientSampleId :
VSTD010063

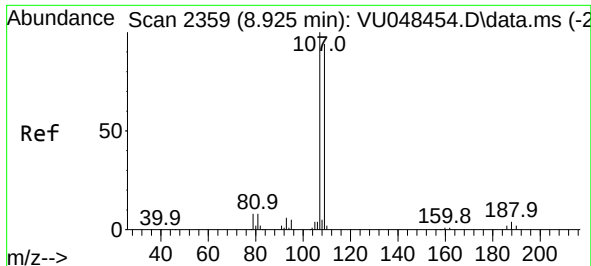
Tgt Ion: 43 Resp: 97920
Ion Ratio Lower Upper
43 100
58 52.6 44.3 66.5
57 18.2 15.7 23.5
100 11.0 9.0 13.4



#49
Dibromochloromethane
Concen: 9.751 ug/L
RT: 8.810 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

Tgt Ion: 129 Resp: 35819
Ion Ratio Lower Upper
129 100
127 77.4 55.2 102.4

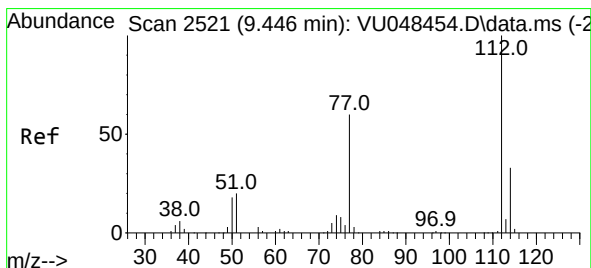
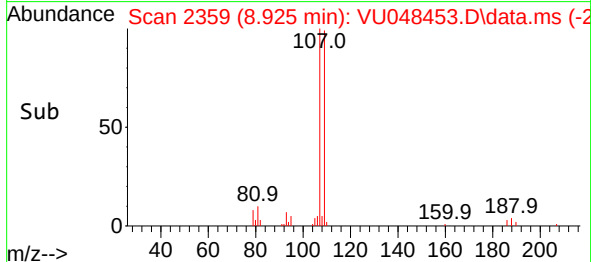
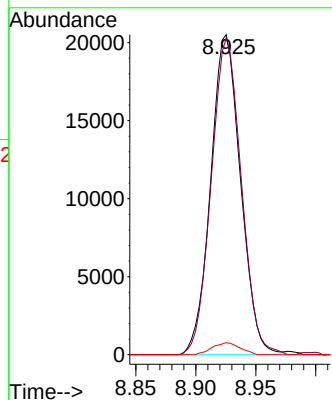
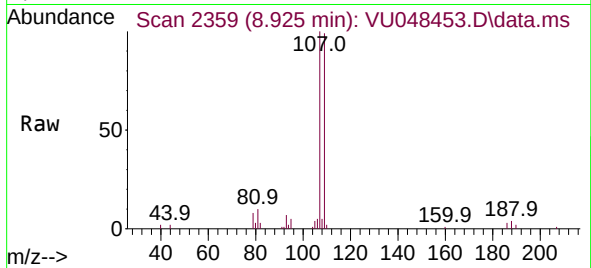




#50
1,2-Dibromoethane
Concen: 10.310 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

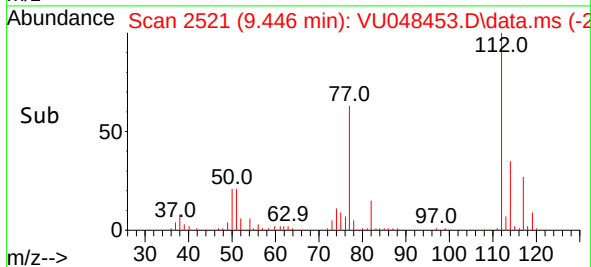
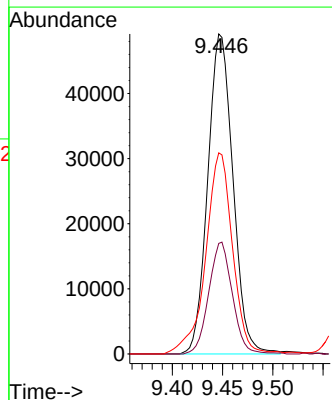
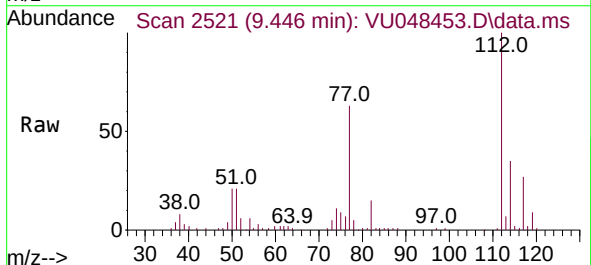
Instrument :
MSVOA_U
ClientSampleId :
VSTD010063

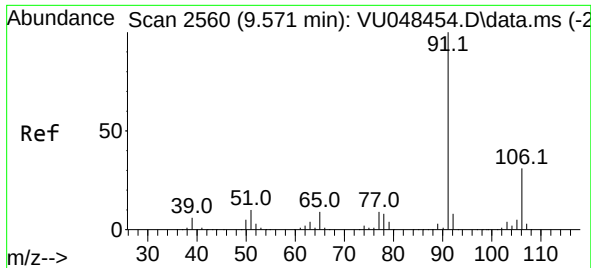
Tgt Ion:107 Resp: 35547
Ion Ratio Lower Upper
107 100
109 98.8 65.7 122.1
188 3.7 2.9 4.3



#51
Chlorobenzene
Concen: 10.009 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

Tgt Ion:112 Resp: 85683
Ion Ratio Lower Upper
112 100
114 34.6 23.0 42.6
77 62.8 48.4 72.6

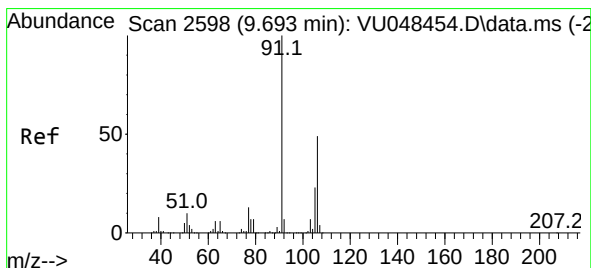
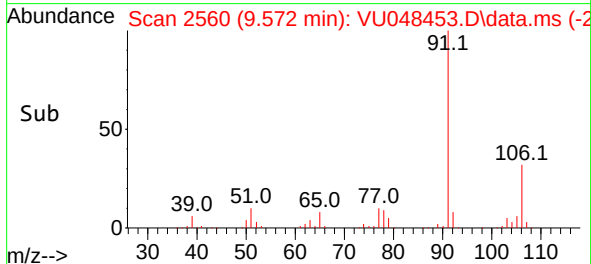
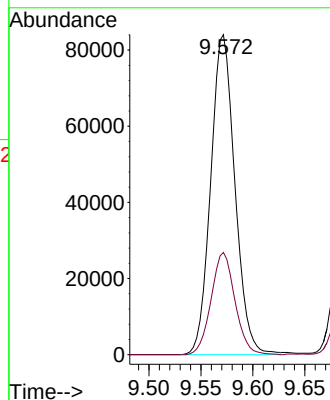
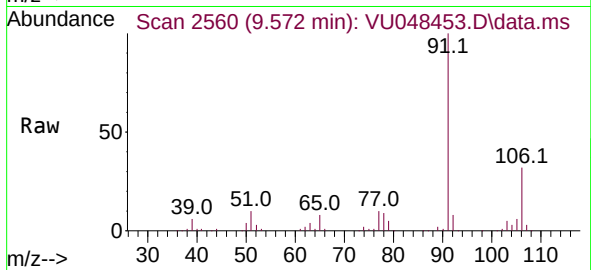




#52
Ethylbenzene
Concen: 10.790 ug/L
RT: 9.572 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

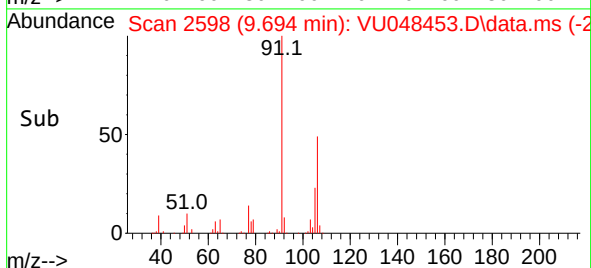
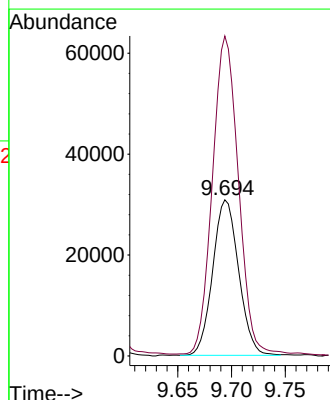
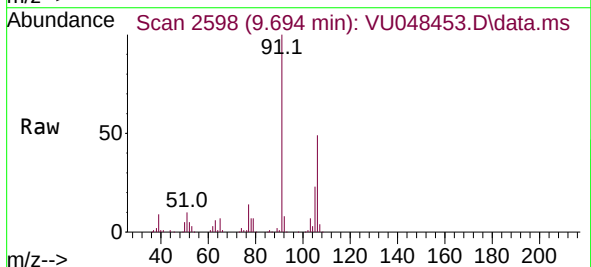
Instrument :
MSVOA_U
ClientSampleId :
VSTD010063

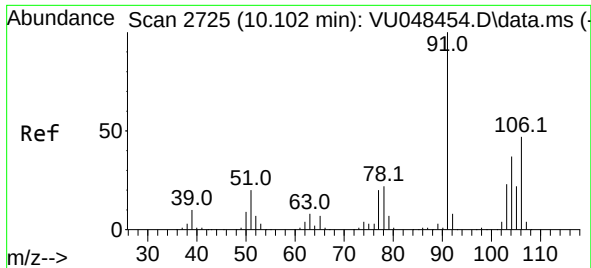
Tgt Ion: 91 Resp: 136085
Ion Ratio Lower Upper
91 100
106 32.0 21.7 40.3



#53
m,p-Xylene
Concen: 10.515 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

Tgt Ion: 106 Resp: 51728
Ion Ratio Lower Upper
106 100
91 205.0 144.1 267.7

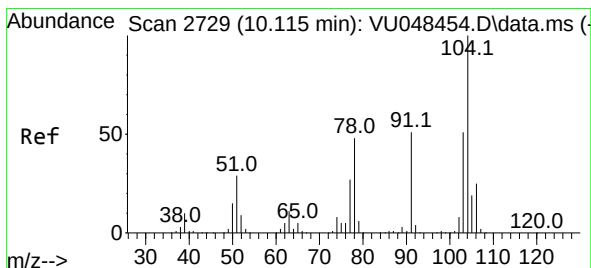
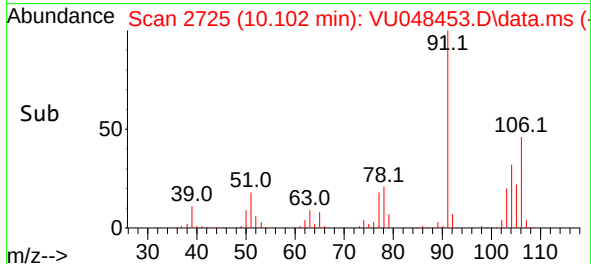
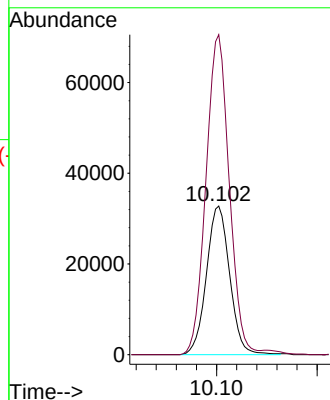
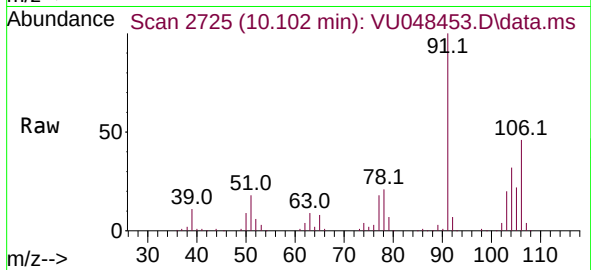




#54
o-Xylene
Concen: 10.635 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

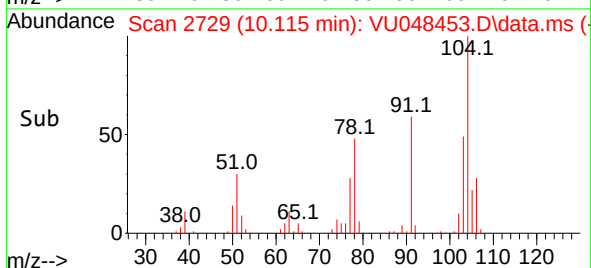
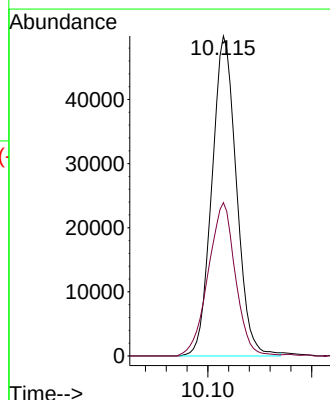
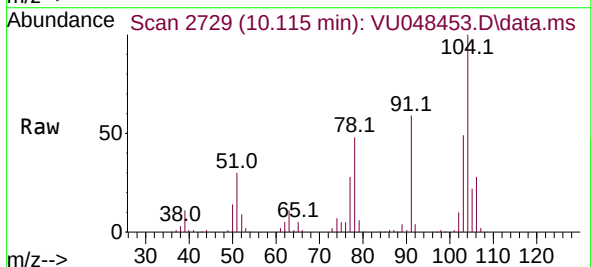
Instrument :
MSVOA_U
ClientSampleId :
VSTD010063

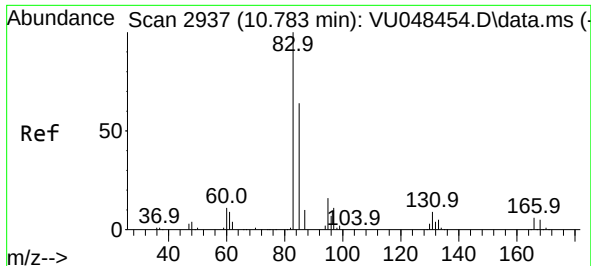
Tgt Ion:106 Resp: 52625
Ion Ratio Lower Upper
106 100
91 215.4 148.8 276.4



#55
Styrene
Concen: 9.852 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

Tgt Ion:104 Resp: 81800
Ion Ratio Lower Upper
104 100
78 47.9 33.4 62.0





#57

1,1,2-Tetrachloroethane

Concen: 9.875 ug/L

RT: 10.784 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU048453.D

Acq: 06 May 2022 13:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD010063

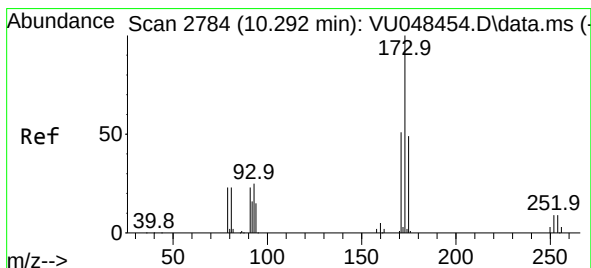
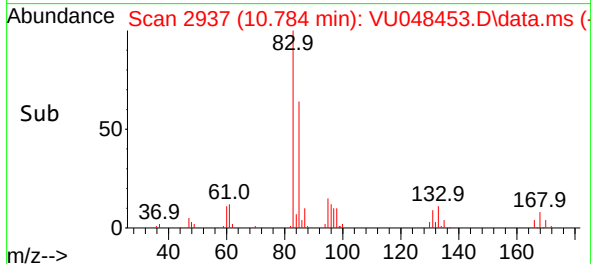
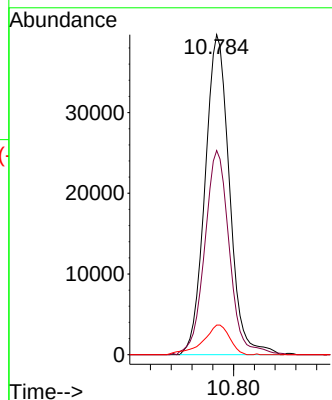
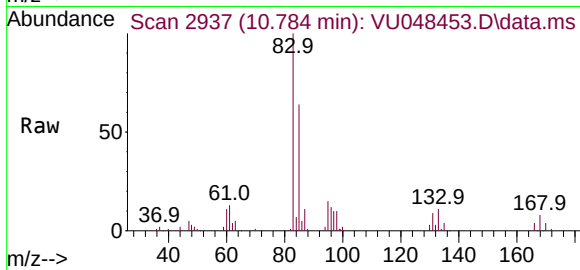
Tgt Ion: 83 Resp: 64715

Ion Ratio Lower Upper

83 100

85 63.8 45.4 84.4

131 9.3 7.4 11.0



#59

Bromoform

Concen: 10.567 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU048453.D

Acq: 06 May 2022 13:48

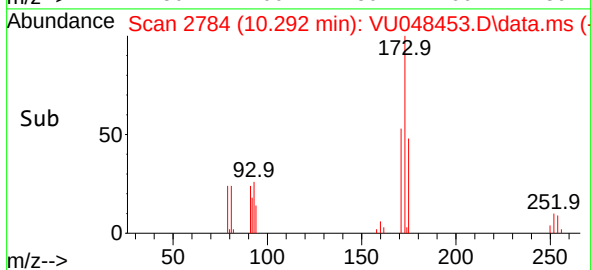
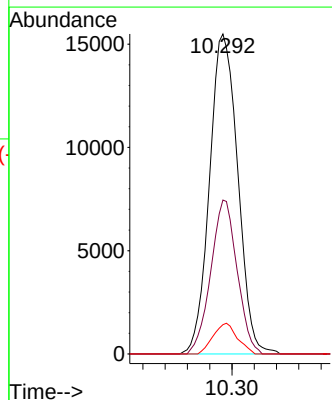
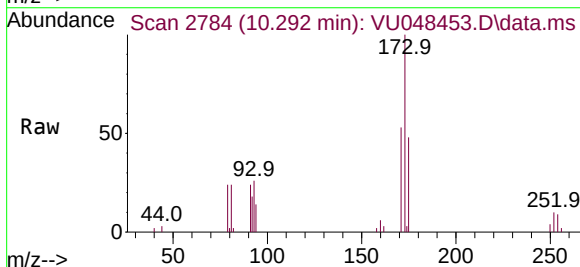
Tgt Ion: 173 Resp: 27239

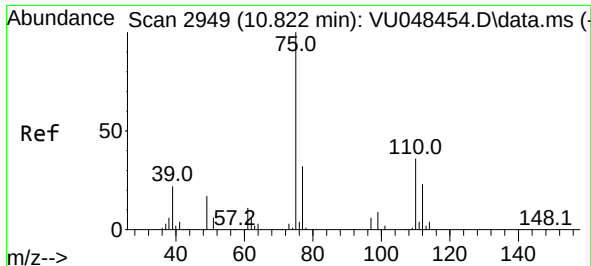
Ion Ratio Lower Upper

173 100

175 44.8 39.1 58.7

254 8.2 7.3 10.9

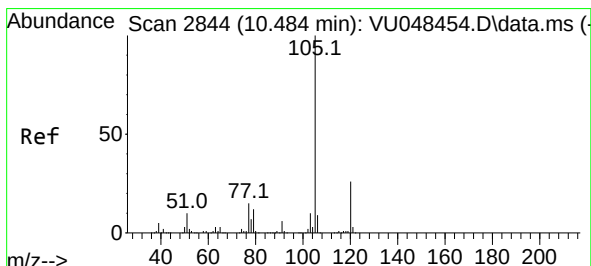
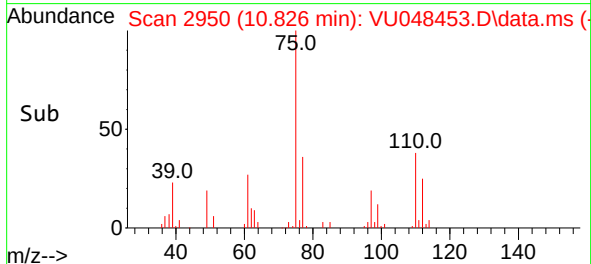
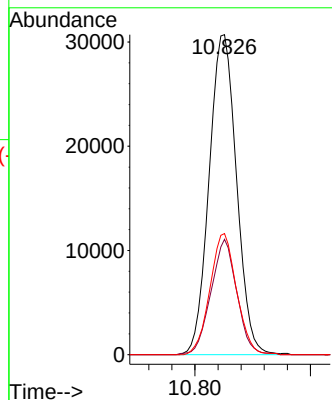
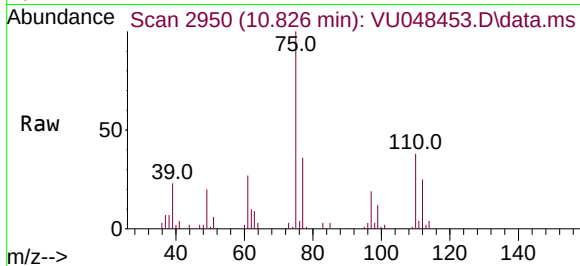




#60
1,2,3-Trichloropropane
Concen: 11.839 ug/L
RT: 10.826 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

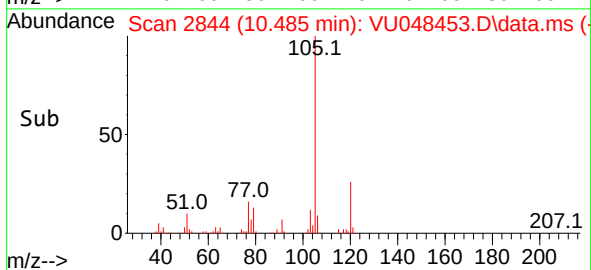
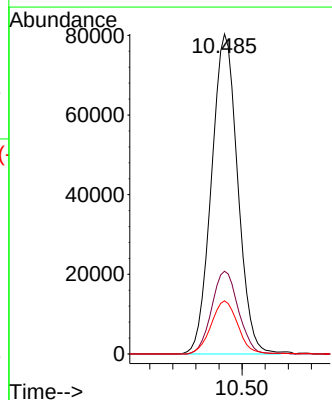
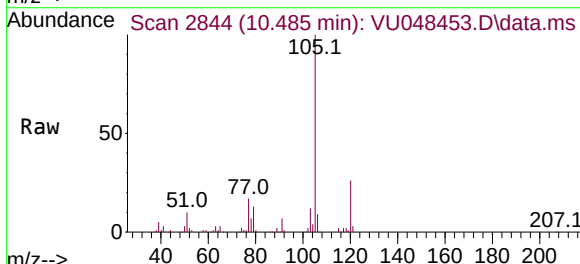
Instrument :
MSVOA_U
ClientSampleId :
VSTD010063

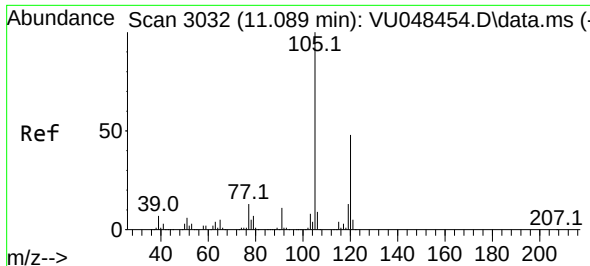
Tgt Ion: 75 Resp: 50637
Ion Ratio Lower Upper
75 100
77 34.0 25.5 38.3
110 36.7 28.9 43.3



#61
Isopropylbenzene
Concen: 12.157 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

Tgt Ion: 105 Resp: 126561
Ion Ratio Lower Upper
105 100
120 26.3 21.0 31.4
77 16.8 12.5 18.7

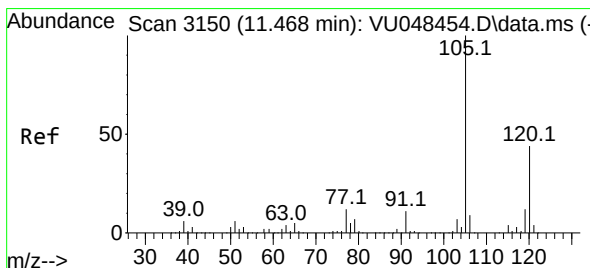
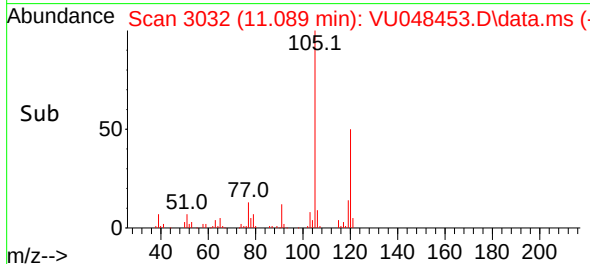
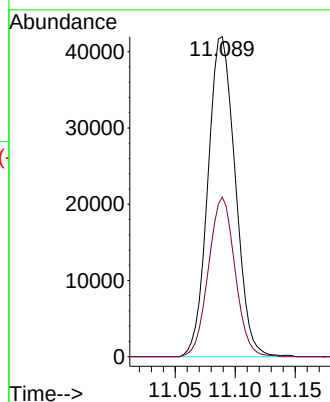
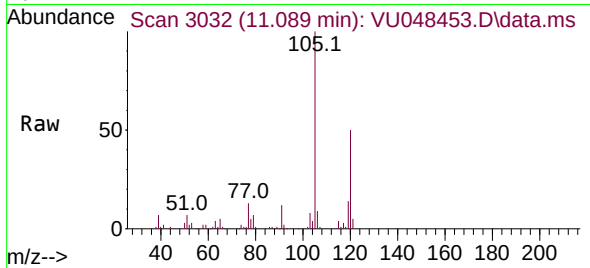




#62
1,3,5-Trimethylbenzene
Concen: 12.056 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

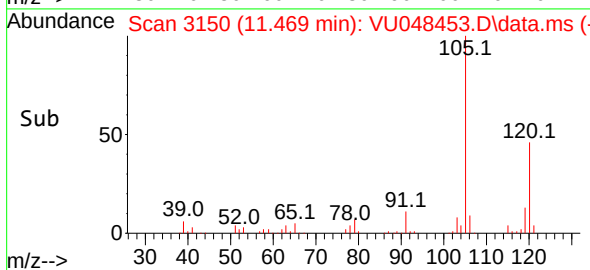
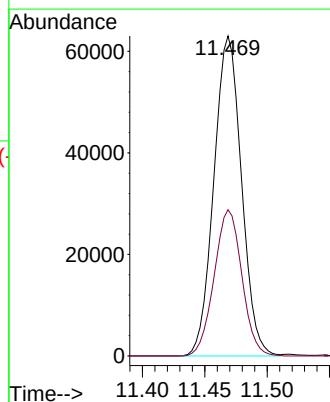
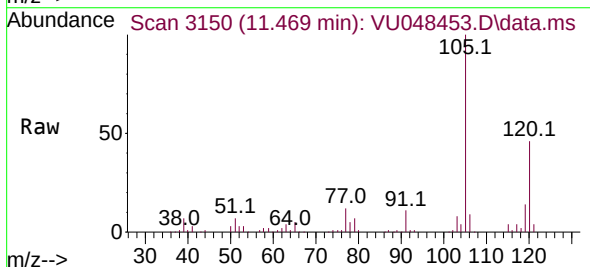
Instrument :
MSVOA_U
ClientSampleId :
VSTD010063

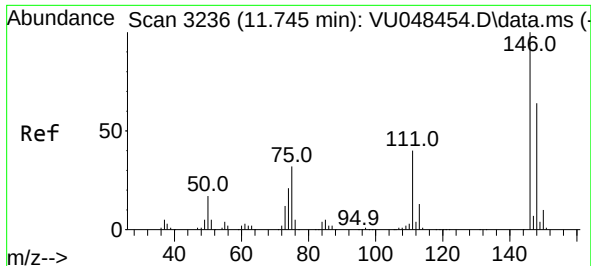
Tgt Ion:105 Resp: 66645
Ion Ratio Lower Upper
105 100
120 48.3 38.5 57.7



#63
1,2,4-Trimethylbenzene
Concen: 11.568 ug/L
RT: 11.469 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

Tgt Ion:105 Resp: 97269
Ion Ratio Lower Upper
105 100
120 45.8 35.4 53.2

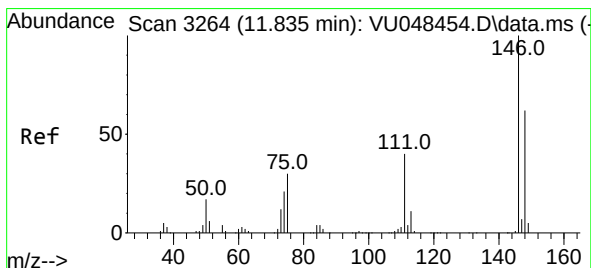
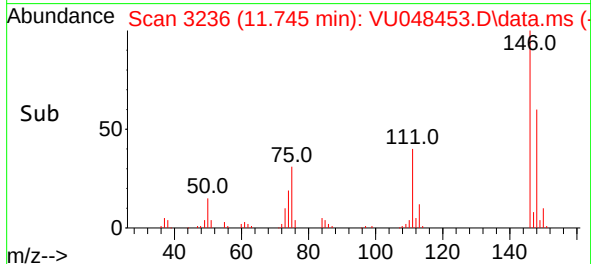
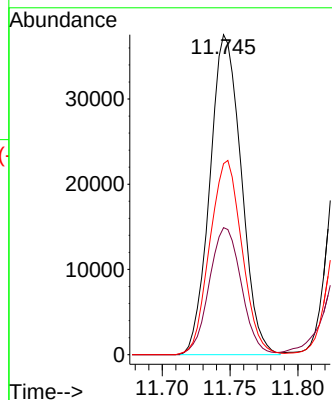
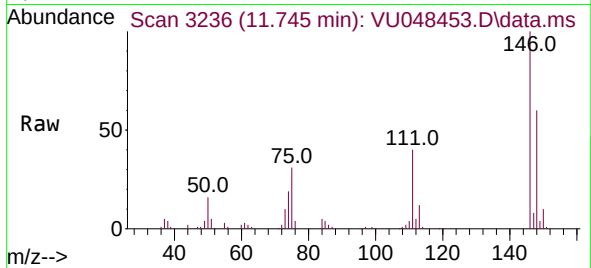




#64
 1,3-Dichlorobenzene
 Concen: 10.767 ug/L
 RT: 11.745 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU048453.D
 Acq: 06 May 2022 13:48

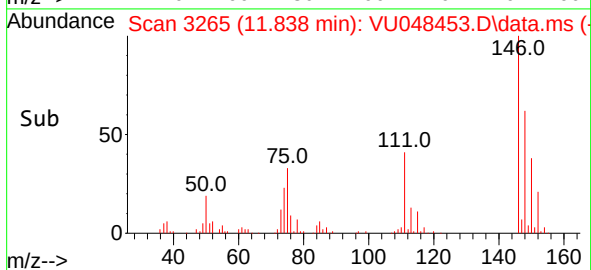
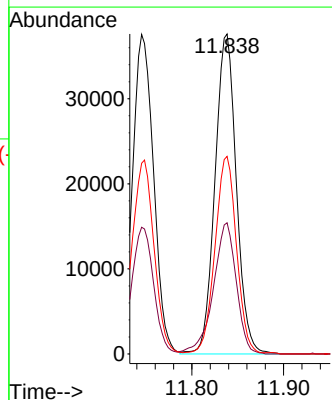
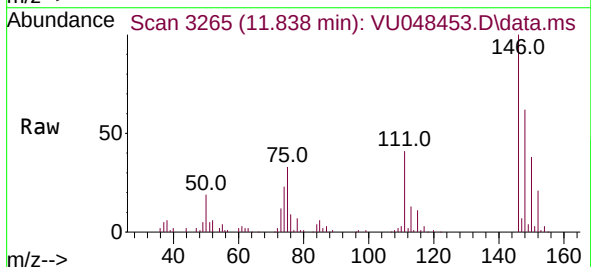
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010063

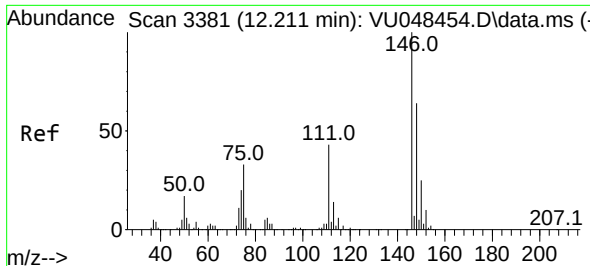
Tgt Ion:146 Resp: 60505
 Ion Ratio Lower Upper
 146 100
 111 39.7 28.3 52.7
 148 59.7 44.7 83.1



#65
 1,4-Dichlorobenzene
 Concen: 10.573 ug/L
 RT: 11.838 min Scan# 3265
 Delta R.T. 0.003 min
 Lab File: VU048453.D
 Acq: 06 May 2022 13:48

Tgt Ion:146 Resp: 60931
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.4 52.8
 148 61.8 43.4 80.6





#67

1,2-Dichlorobenzene

Concen: 10.635 ug/L

RT: 12.215 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU048453.D

Acq: 06 May 2022 13:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD010063

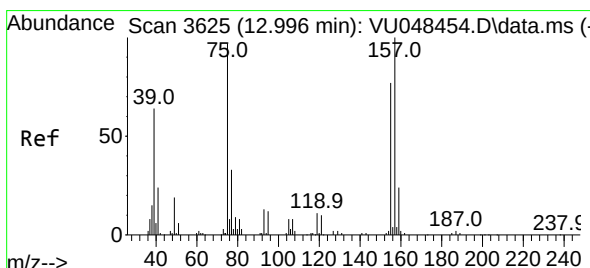
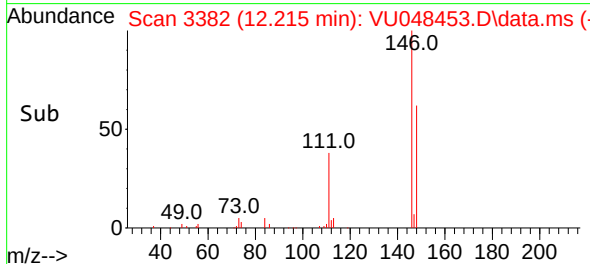
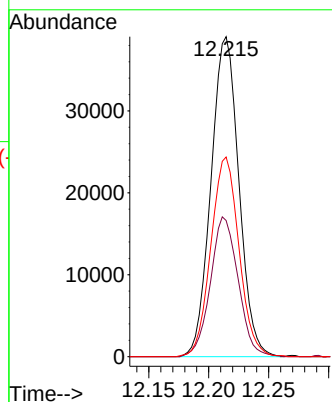
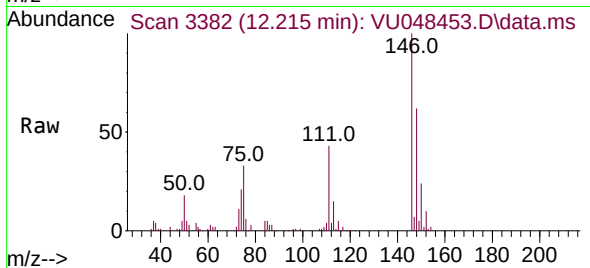
Tgt Ion:146 Resp: 63154

Ion Ratio Lower Upper

146 100

111 42.6 34.9 52.3

148 62.4 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 12.407 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU048453.D

Acq: 06 May 2022 13:48

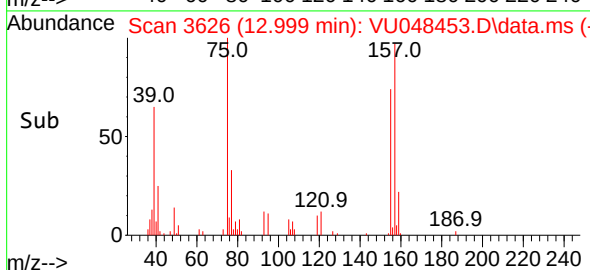
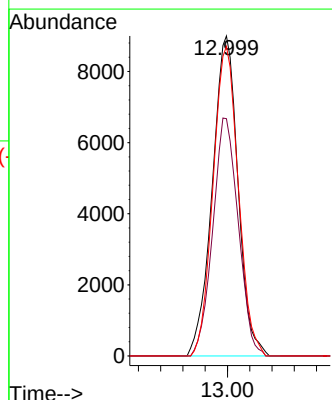
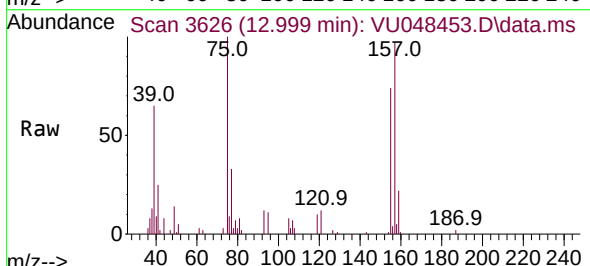
Tgt Ion: 75 Resp: 14392

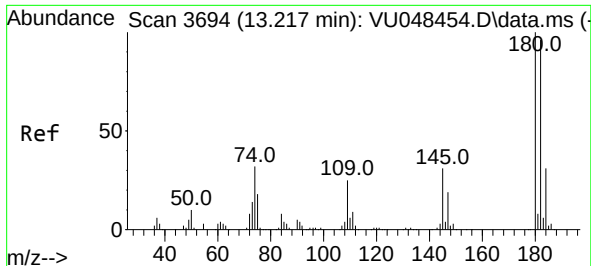
Ion Ratio Lower Upper

75 100

155 74.1 63.4 95.0

157 96.8 82.2 123.2

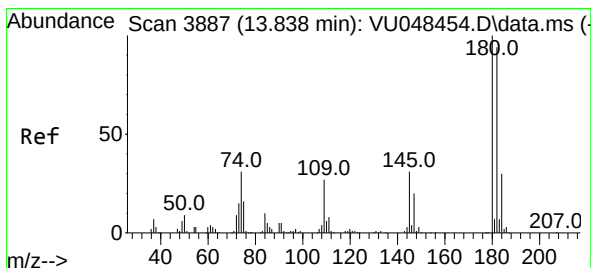
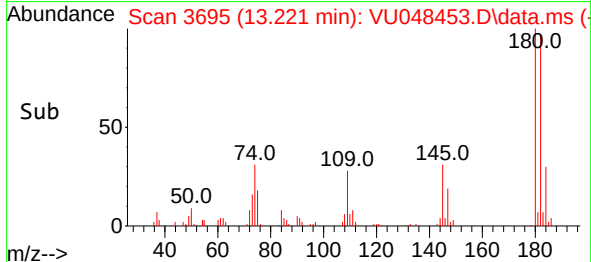
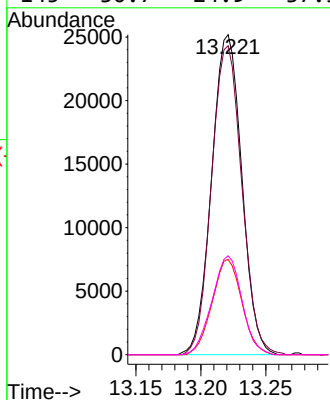
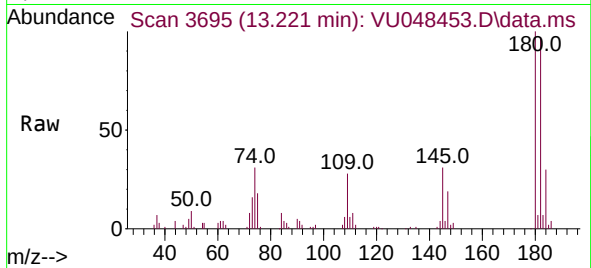




#69
 1,3,5-Trichlorobenzene
 Concen: 9.783 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.003 min
 Lab File: VU048453.D
 Acq: 06 May 2022 13:48

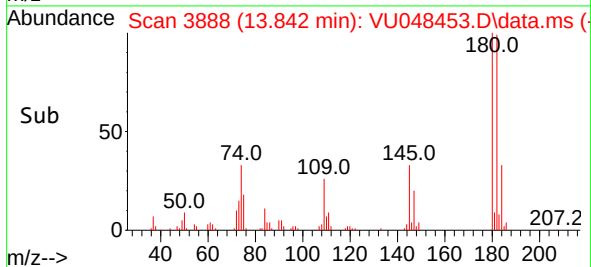
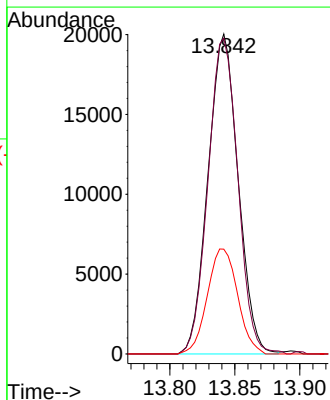
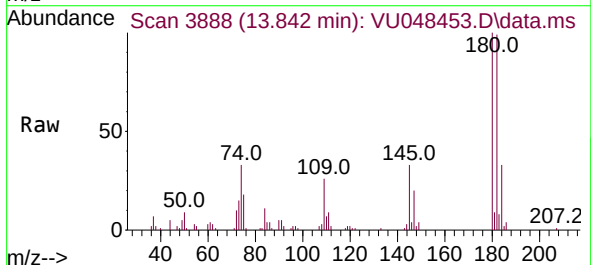
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010063

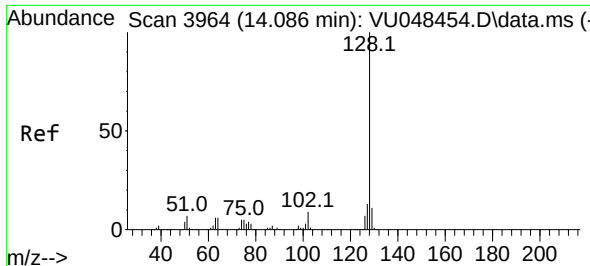
Tgt Ion:180	Resp:	40524
Ion Ratio	Lower	Upper
180	100	
182	96.9	75.7 113.5
184	29.4	23.8 35.8
145	30.7	24.9 37.3



#70
 1,2,4-trichlorobenzene
 Concen: 9.778 ug/L
 RT: 13.842 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU048453.D
 Acq: 06 May 2022 13:48

Tgt Ion:180	Resp:	32210
Ion Ratio	Lower	Upper
180	100	
182	97.7	77.1 115.7
145	33.1	24.9 37.3

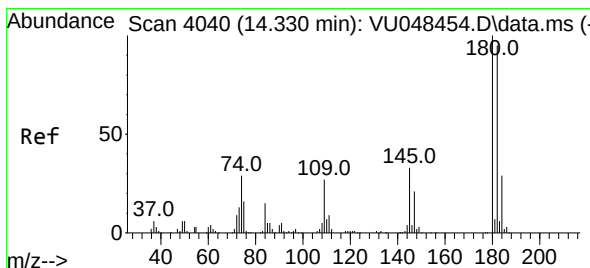
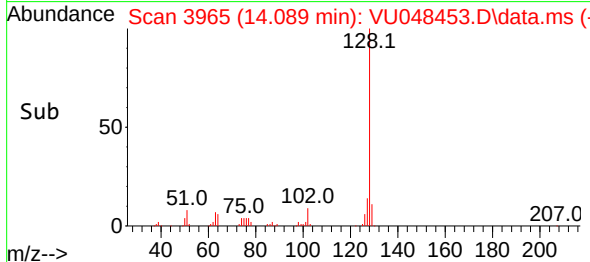
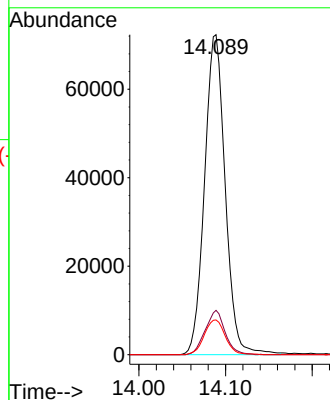
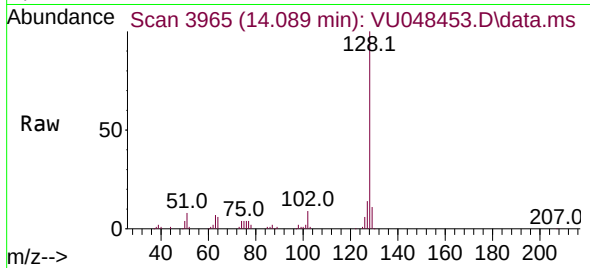




#71
Naphthalene
Concen: 12.354 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD010063

Tgt Ion:128	Resp:	119921
Ion	Ratio	Lower Upper
128	100	
127	13.3	10.5 15.7
129	11.0	8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 10.705 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048453.D
Acq: 06 May 2022 13:48

Tgt Ion:180	Resp:	36176
Ion	Ratio	Lower Upper
180	100	
182	97.6	75.4 113.2
145	33.8	26.4 39.6

