

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050322\
 Data File : VU048403.D
 Acq On : 03 May 2022 20:17
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050112

Quant Time: May 04 01:43:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 04 01:37:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	446973	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	447064	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	246853	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	215971	52.545	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.080%
7) Chloroethane-d5	1.900	69	149980	51.984	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.960%
11) 1,1-Dichloroethene-d2	2.565	63	309356	46.973	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.940%
21) 2-Butanone-d5	4.620	46	311989	88.996	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.000%
24) Chloroform-d	5.063	84	347850	46.658	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.320%
26) 1,2-Dichloroethane-d4	5.700	65	208745	47.191	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.380%
32) Benzene-d6	5.729	84	730888	51.837	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.680%
36) 1,2-Dichloropropane-d6	6.690	67	233665	50.127	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.260%
41) Toluene-d8	7.899	98	684256	53.539	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.080%
43) trans-1,3-Dichloroprop...	8.179	79	102380	49.774	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.540%
47) 2-Hexanone-d5	8.632	63	230459	91.636	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.640%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	377822	46.215	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.420%
66) 1,2-Dichlorobenzene-d4	12.195	152	276426	49.779	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	119131	35.273	ug/L	100
3) Chloromethane	1.523	50	131602	34.043	ug/L	99
5) Vinyl chloride	1.604	62	150409	38.610	ug/L	93
6) Bromomethane	1.835	94	89495	49.988	ug/L	99
8) Chloroethane	1.922	64	90296	40.994	ug/L	99
9) Trichlorofluoromethane	2.131	101	213011	41.958	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	139711	41.493	ug/L	99
12) 1,1-Dichloroethene	2.578	96	122656	41.732	ug/L	90
13) Acetone	2.623	43	167448	74.403	ug/L	99
14) Carbon disulfide	2.790	76	236642	33.036	ug/L	99
15) Methyl Acetate	2.945	43	186809	41.815	ug/L	98
16) Methylene chloride	3.044	84	169248	44.666	ug/L	93
17) trans-1,2-Dichloroethene	3.353	96	128437	42.065	ug/L	94
18) Methyl tert-butyl Ether	3.363	73	481582	47.804	ug/L	99
19) 1,1-Dichloroethane	3.871	63	277860	43.519	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	169115	45.950	ug/L	94
22) 2-Butanone	4.700	43	282688	84.943	ug/L	97
23) Bromochloromethane	4.977	128	94275	45.881	ug/L	94
25) Chloroform	5.089	83	295138	45.268	ug/L	99

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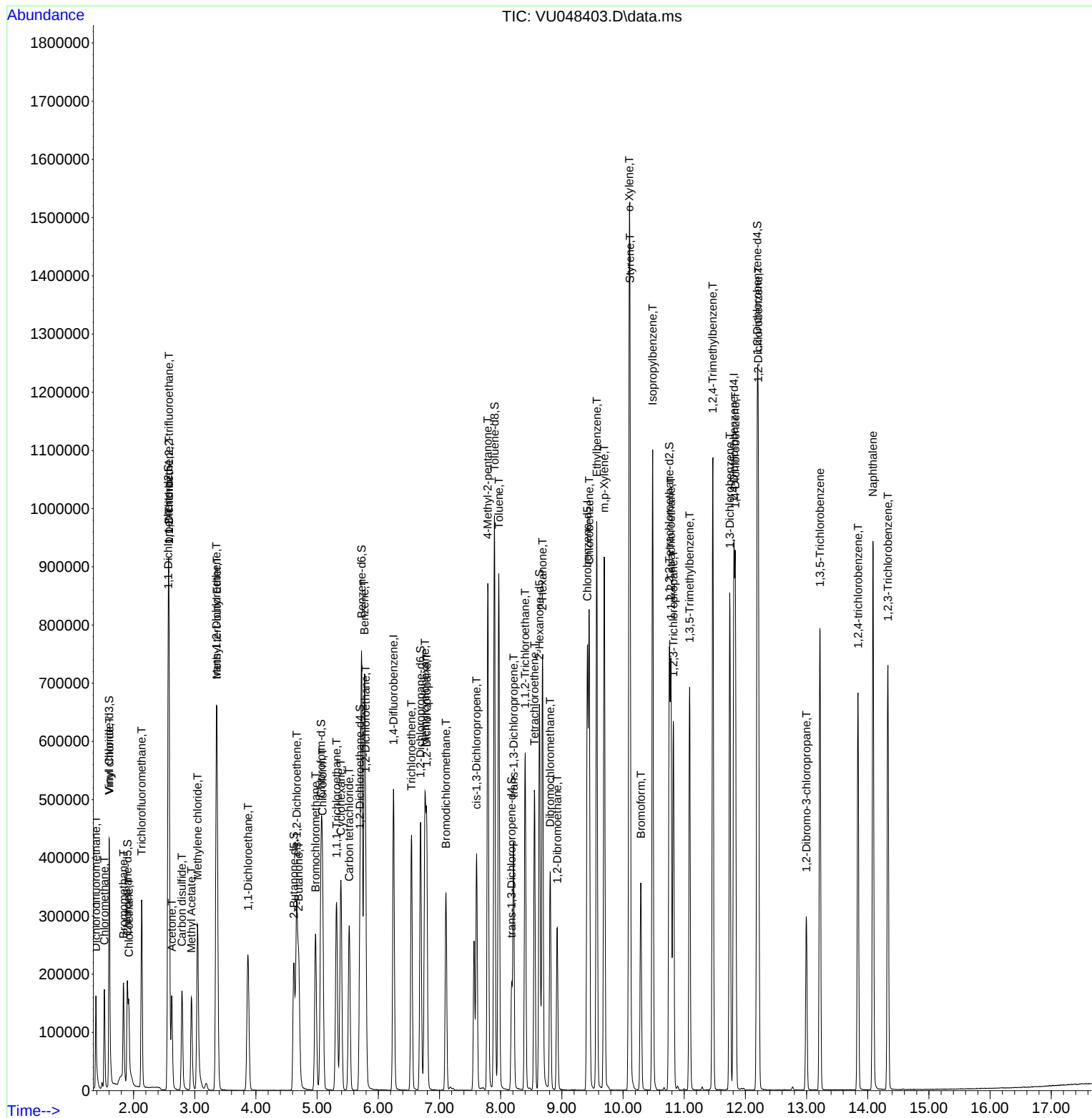
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	212108	44.601	ug/L	99
29) Cyclohexane	5.388	56	181113	42.877	ug/L	96
30) 1,1,1-Trichloroethane	5.317	97	236691	46.818	ug/L	100
31) Carbon tetrachloride	5.523	117	201418	46.744	ug/L	100
33) Benzene	5.774	78	620479	46.877	ug/L	100
34) Trichloroethene	6.543	95	149219	45.993	ug/L	99
35) Methylcyclohexane	6.764	83	200692	44.060	ug/L	97
37) 1,2-Dichloropropane	6.790	63	176004	46.735	ug/L	99
38) Bromodichloromethane	7.105	83	225679	47.452	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	242522	45.797	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	543571	95.698	ug/L	99
42) Toluene	7.970	91	667867	48.059	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	239260	46.249	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	185511	46.951	ug/L	98
46) Tetrachloroethene	8.552	164	123627	44.399	ug/L	99
48) 2-Hexanone	8.684	43	450522	94.982	ug/L	99
49) Dibromochloromethane	8.809	129	200523	46.185	ug/L	100
50) 1,2-Dibromoethane	8.925	107	188190	46.968	ug/L	99
51) Chlorobenzene	9.446	112	456882	45.611	ug/L	99
52) Ethylbenzene	9.571	91	695142	48.301	ug/L	99
53) m,p-Xylene	9.694	106	275557	48.519	ug/L	99
54) o-Xylene	10.102	106	287022	50.166	ug/L	99
55) Styrene	10.115	104	486080	49.870	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.784	83	361308	46.333	ug/L	100
59) Bromoform	10.292	173	167113	46.647	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	274858	47.729	ug/L	99
61) Isopropylbenzene	10.485	105	720084	52.171	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	382475	52.576	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	594856	53.186	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	372642	48.157	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	368957	46.705	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	394419	48.386	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	72173	46.947	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	274894	47.808	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	232370	51.154	ug/L	100
71) Naphthalene	14.086	128	764917	58.840	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	249557	53.606	ug/L	100

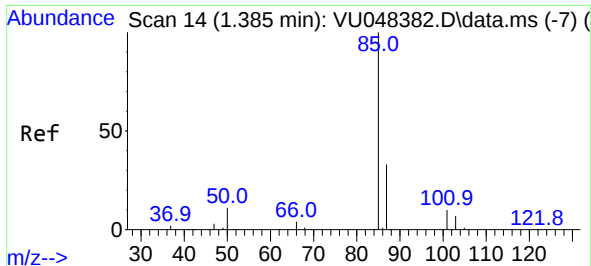
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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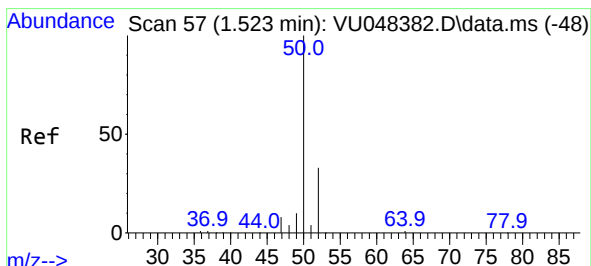
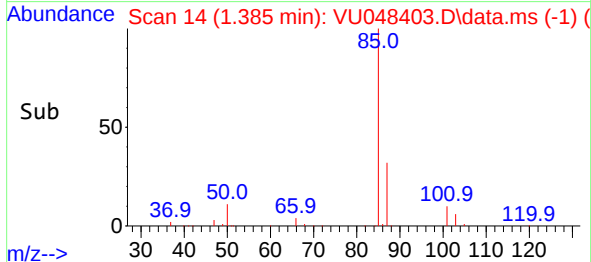
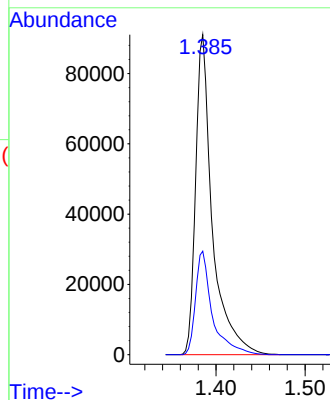
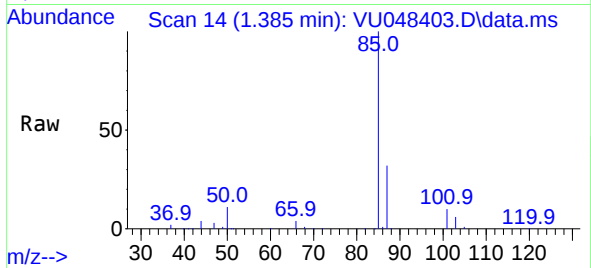




#2
Dichlorodifluoromethane
Concen: 35.273 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

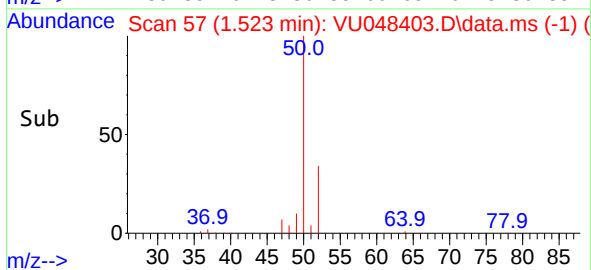
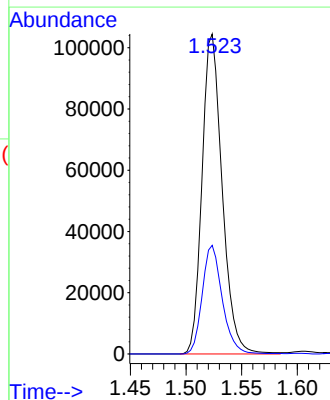
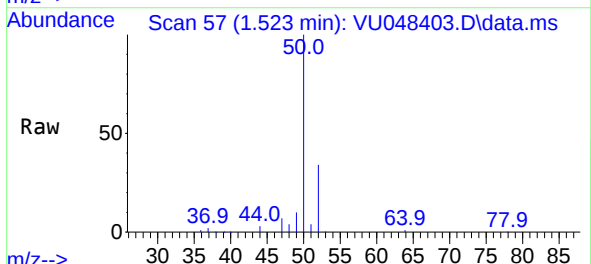
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MSVOA_U
ClientSampleId :
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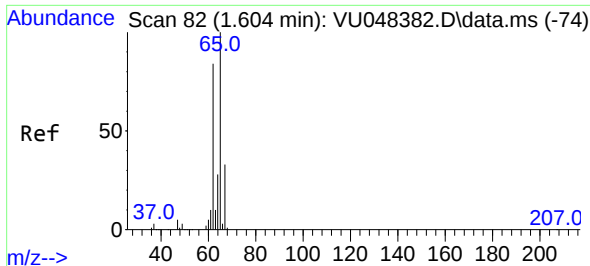
Tgt Ion: 85 Resp: 119131
Ion Ratio Lower Upper
85 100
87 32.5 26.1 39.1



#3
Chloromethane
Concen: 34.043 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion: 50 Resp: 131602
Ion Ratio Lower Upper
50 100
52 34.0 23.2 43.2

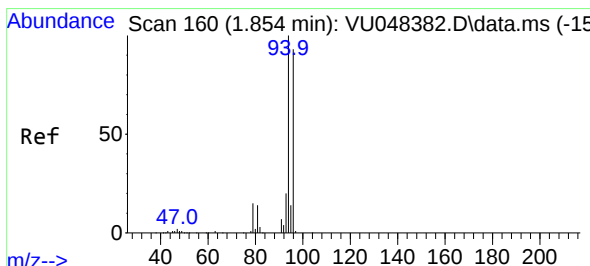
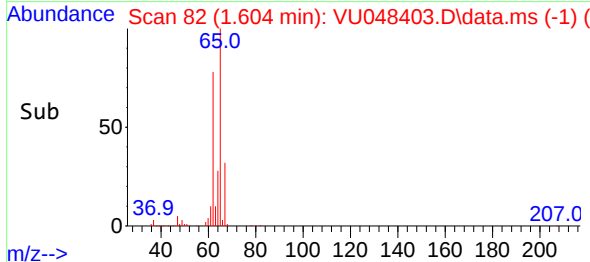
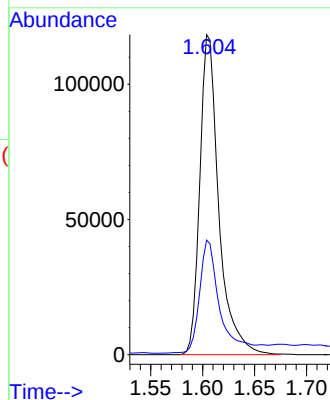
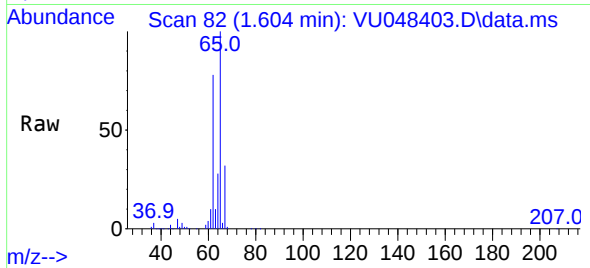




#5
 Vinyl chloride
 Concen: 38.610 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU048403.D
 Acq: 03 May 2022 20:17

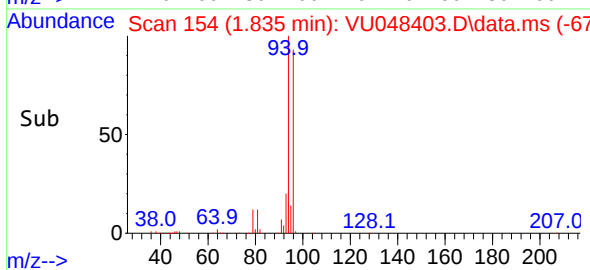
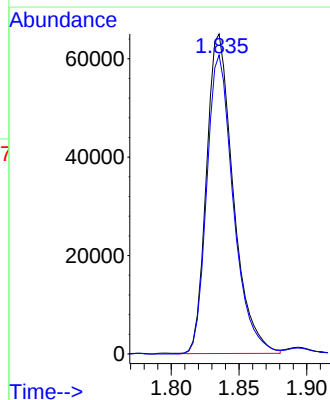
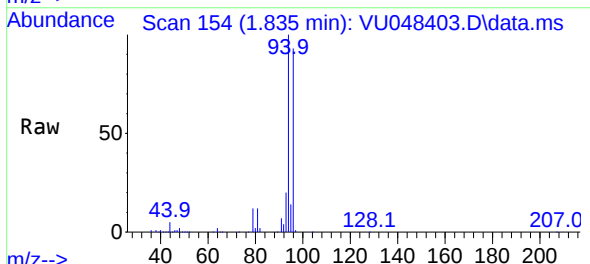
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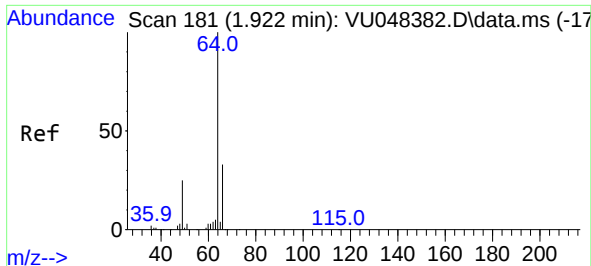
Tgt Ion: 62 Resp: 150409
 Ion Ratio Lower Upper
 62 100
 64 35.8 22.5 41.7



#6
 Bromomethane
 Concen: 49.988 ug/L
 RT: 1.835 min Scan# 154
 Delta R.T. -0.019 min
 Lab File: VU048403.D
 Acq: 03 May 2022 20:17

Tgt Ion: 94 Resp: 89495
 Ion Ratio Lower Upper
 94 100
 96 93.4 65.8 122.2

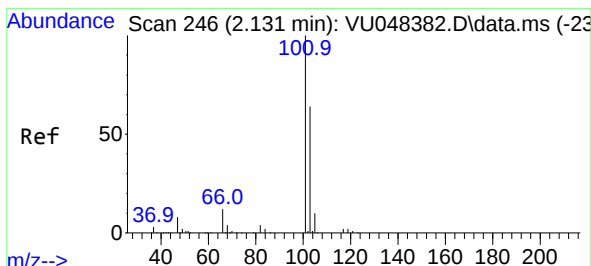
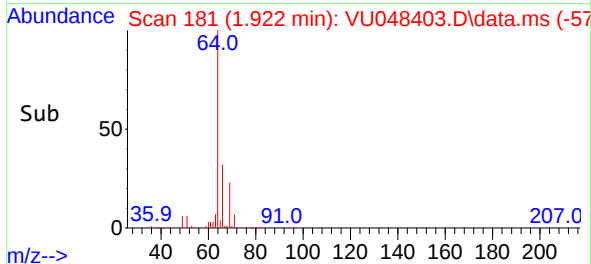
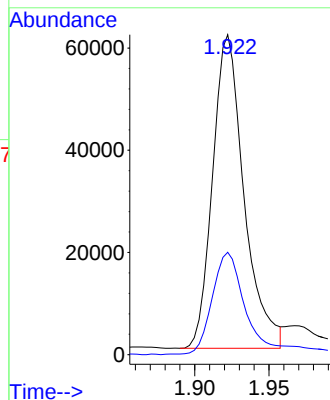
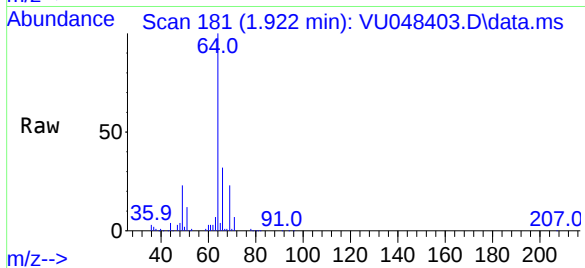




#8
Chloroethane
Concen: 40.994 ug/L
RT: 1.922 min Scan# 181
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

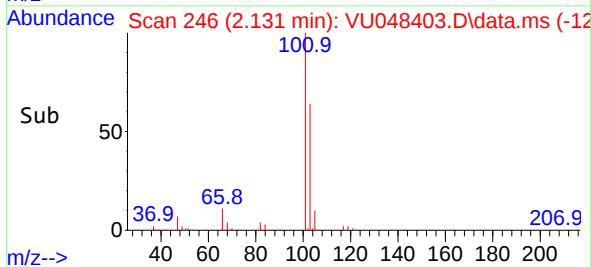
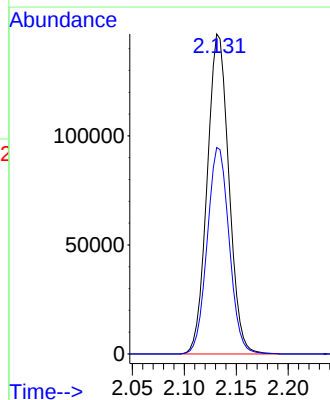
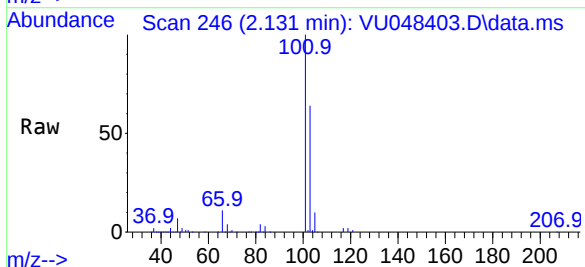
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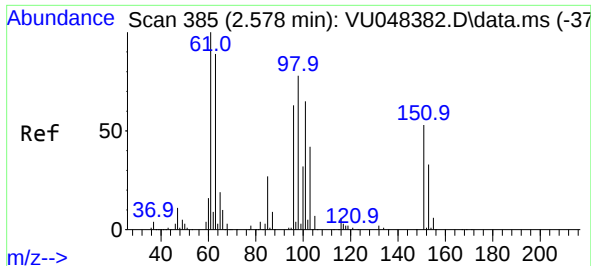
Tgt Ion: 64 Resp: 90296
Ion Ratio Lower Upper
64 100
66 32.0 21.9 40.7



#9
Trichlorofluoromethane
Concen: 41.958 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion:101 Resp: 213011
Ion Ratio Lower Upper
101 100
103 65.3 51.9 77.9

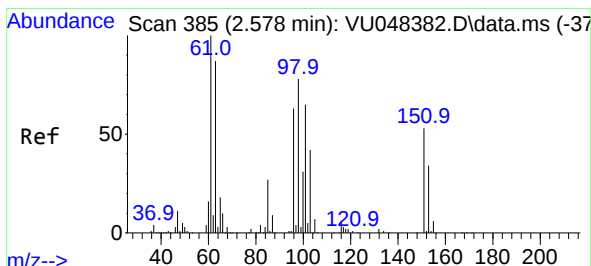
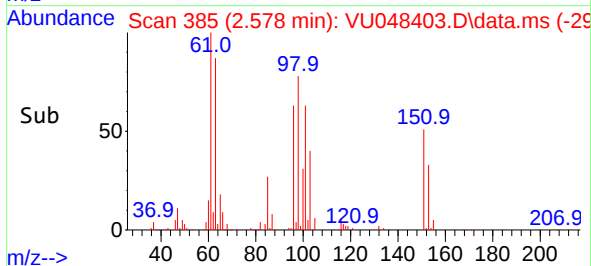
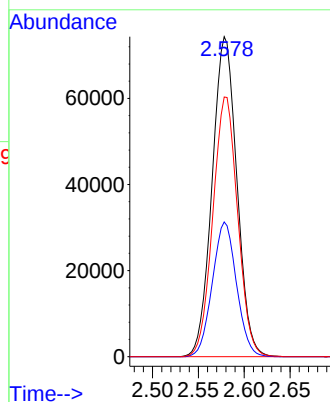
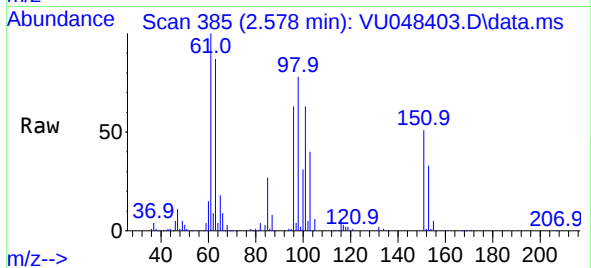




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 41.493 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

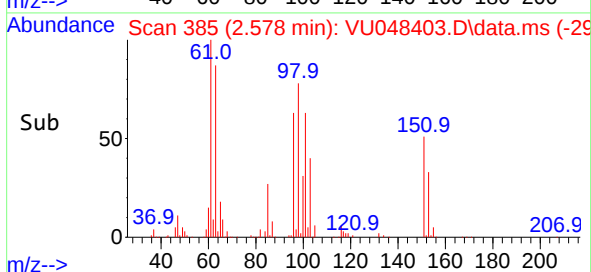
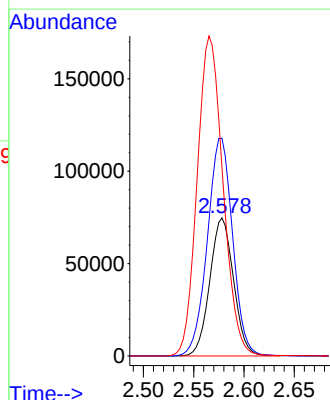
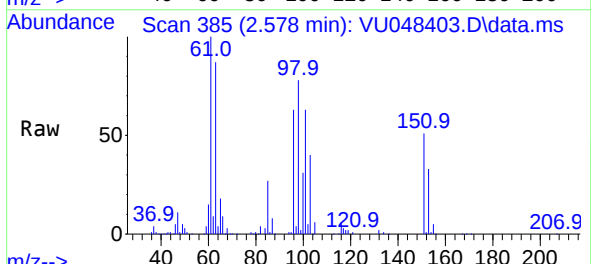
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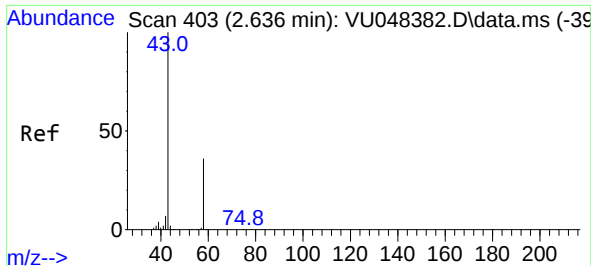
Tgt Ion:101 Resp: 139711
Ion Ratio Lower Upper
101 100
85 41.0 32.6 48.8
151 81.2 64.1 96.1



#12
1,1-Dichloroethene
Concen: 41.732 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion: 96 Resp: 122656
Ion Ratio Lower Upper
96 100
61 157.8 107.9 200.3
63 136.5 80.3 149.1

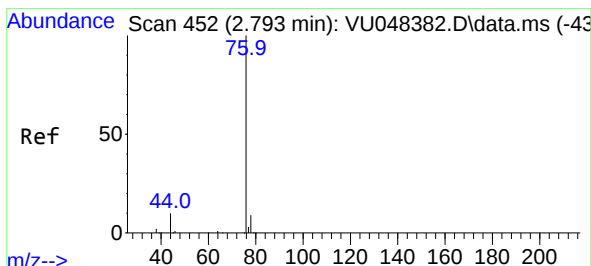
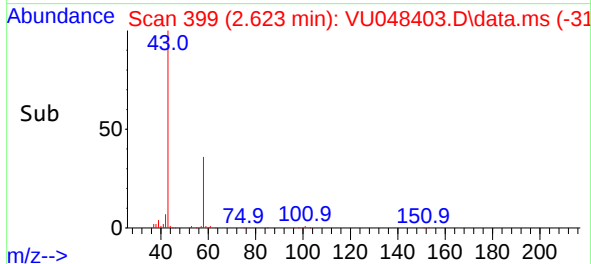
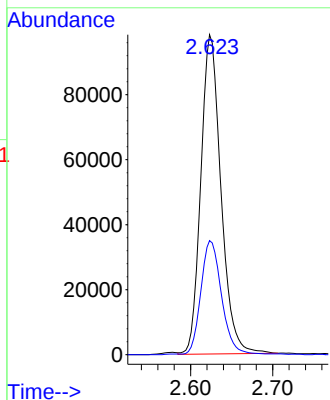
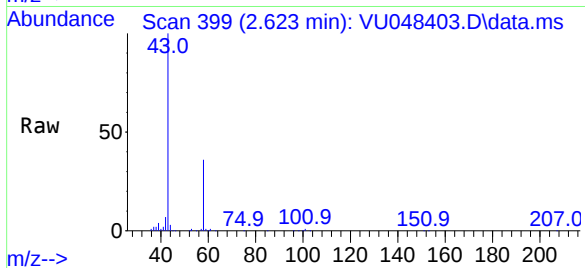




#13
Acetone
Concen: 74.403 ug/L
RT: 2.623 min Scan# 399
Delta R.T. -0.013 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

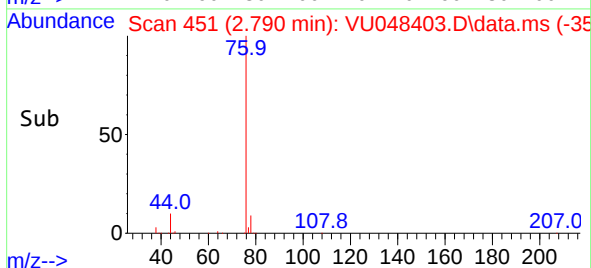
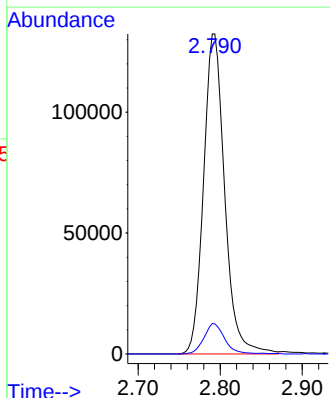
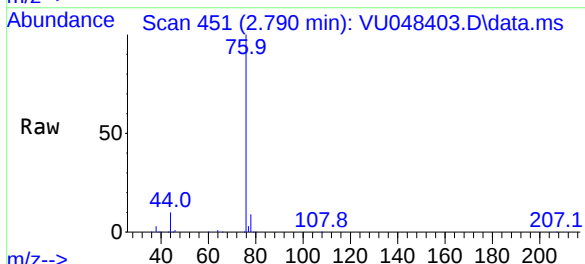
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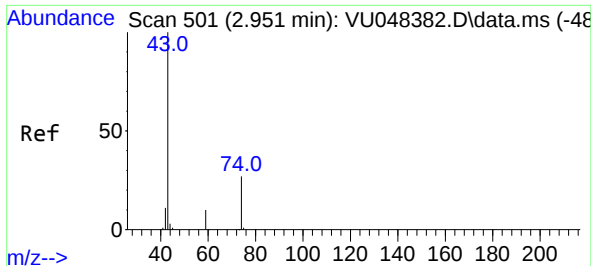
Tgt Ion: 43 Resp: 167448
Ion Ratio Lower Upper
43 100
58 36.0 0.0 71.2



#14
Carbon disulfide
Concen: 33.036 ug/L
RT: 2.790 min Scan# 451
Delta R.T. -0.003 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion: 76 Resp: 236642
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2

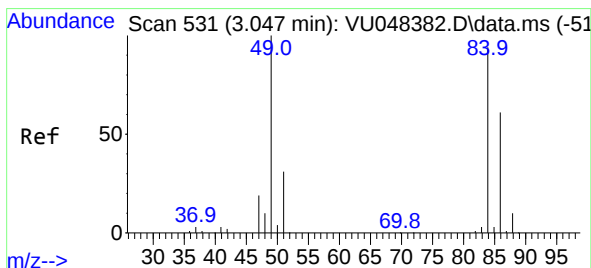
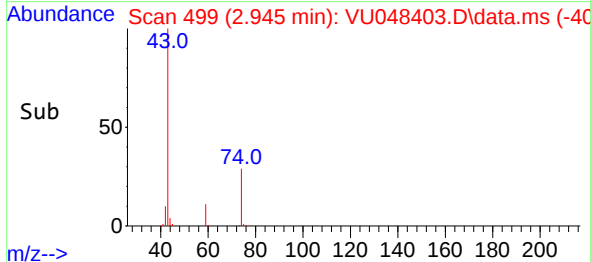
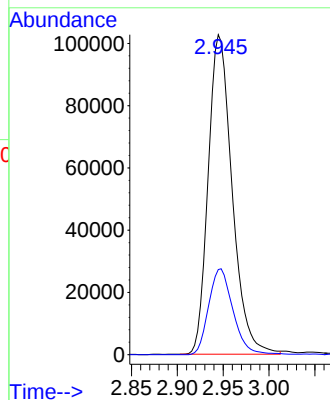
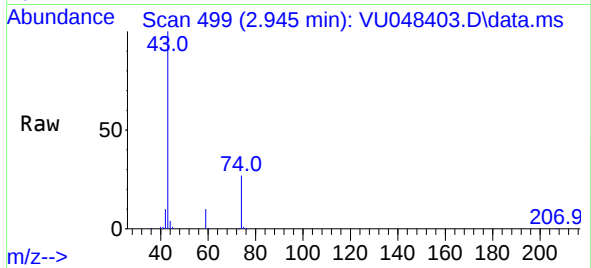




#15
Methyl Acetate
Concen: 41.815 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.006 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

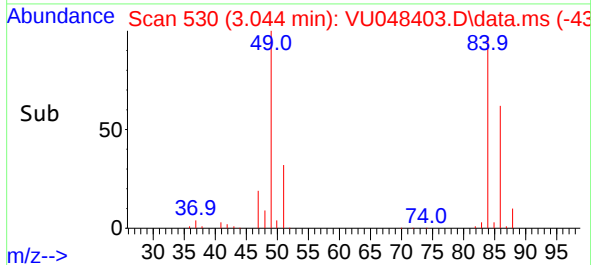
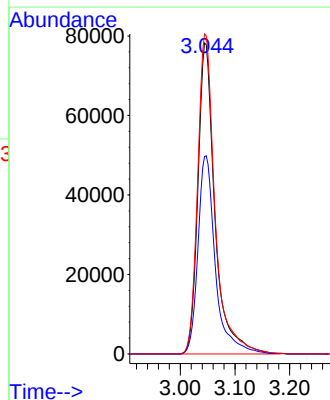
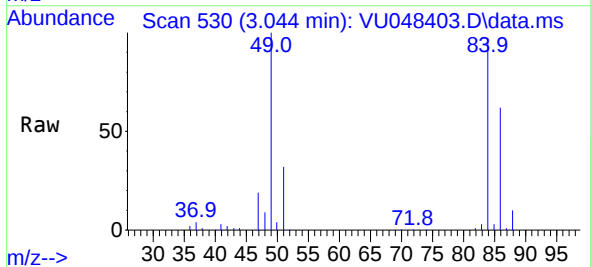
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

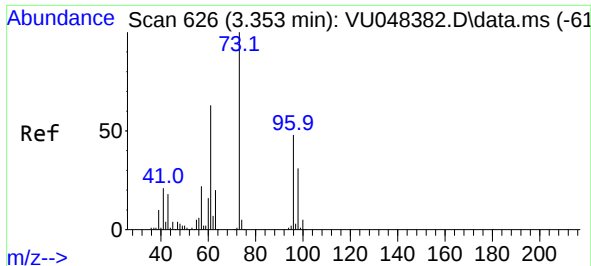
Tgt Ion: 43 Resp: 186809
Ion Ratio Lower Upper
43 100
74 27.3 21.0 31.6



#16
Methylene chloride
Concen: 44.666 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion: 84 Resp: 169248
Ion Ratio Lower Upper
84 100
86 63.5 45.4 84.2
49 103.0 79.2 147.0

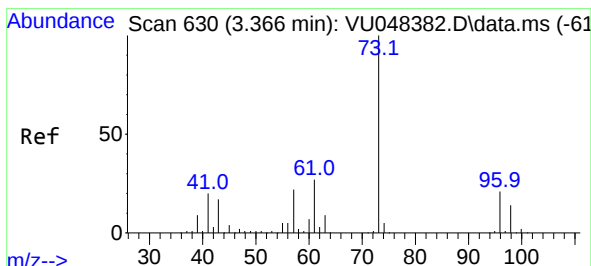
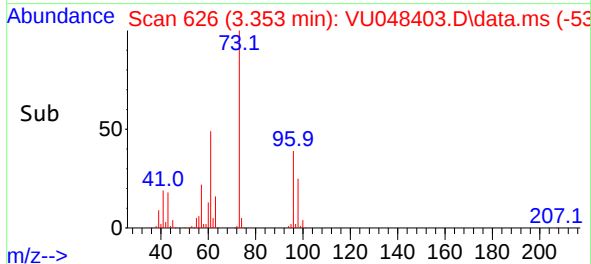
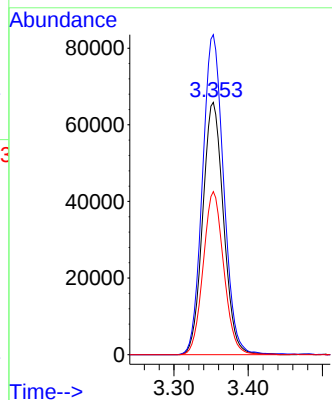
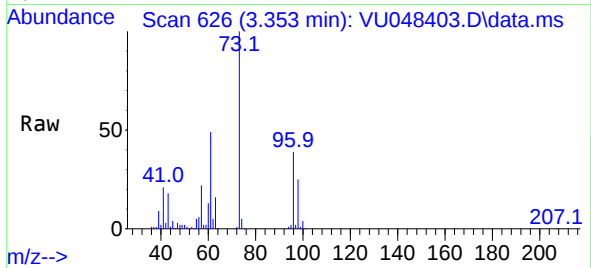




#17
trans-1,2-Dichloroethene
Concen: 42.065 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

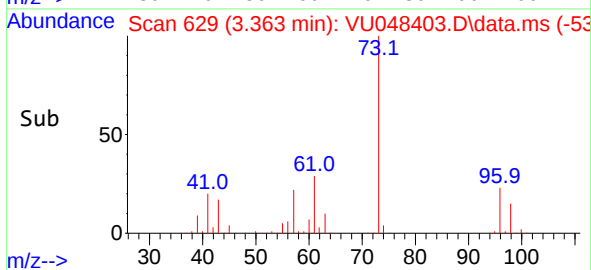
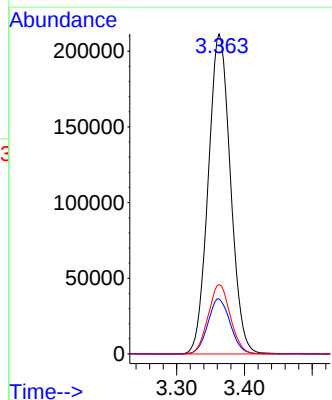
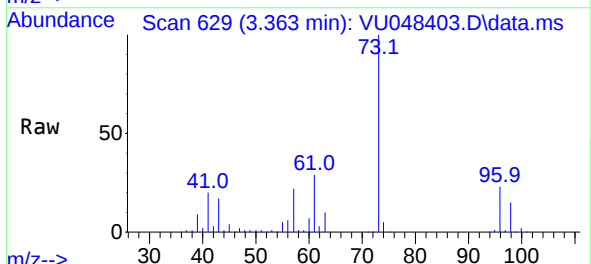
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

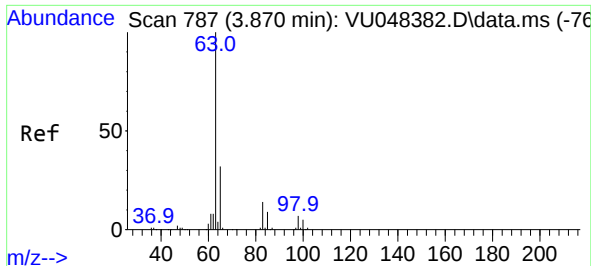
Tgt Ion: 96 Resp: 128437
Ion Ratio Lower Upper
96 100
61 126.8 95.2 176.8
98 64.6 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 47.804 ug/L
RT: 3.363 min Scan# 629
Delta R.T. -0.003 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion: 73 Resp: 481582
Ion Ratio Lower Upper
73 100
43 17.4 13.8 20.6
57 21.7 17.9 26.9

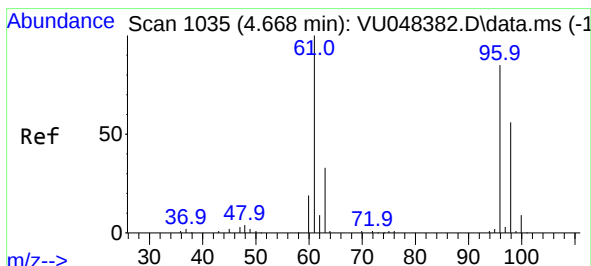
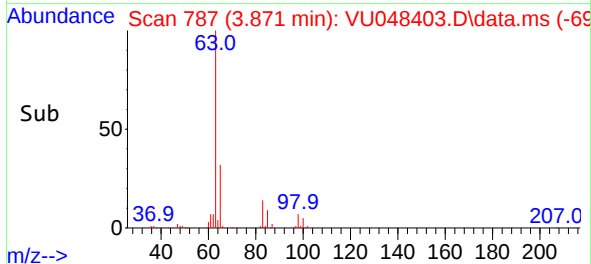
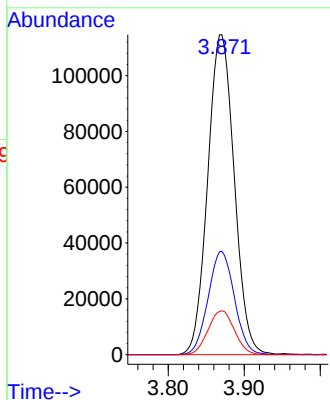
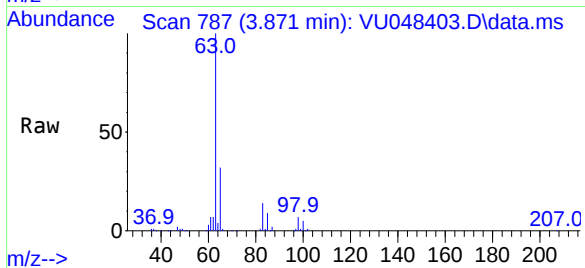




#19
1,1-Dichloroethane
Concen: 43.519 ug/L
RT: 3.871 min Scan# 787
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

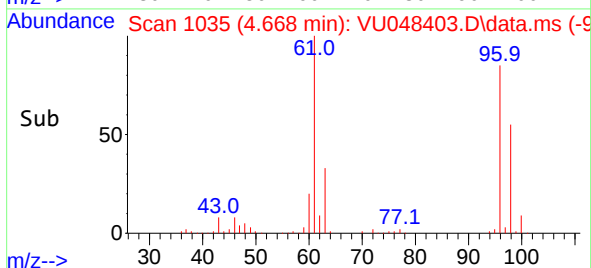
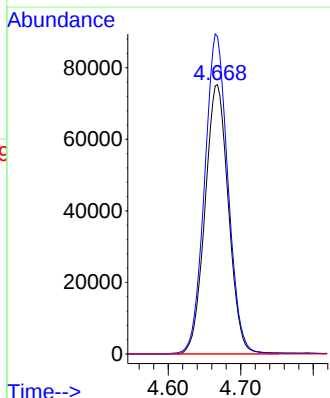
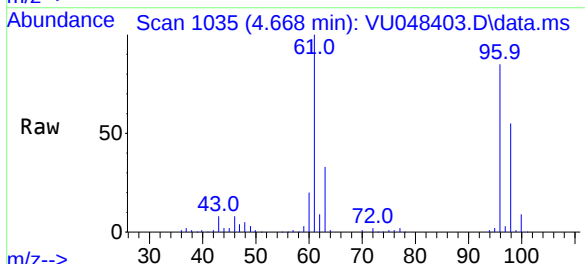
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

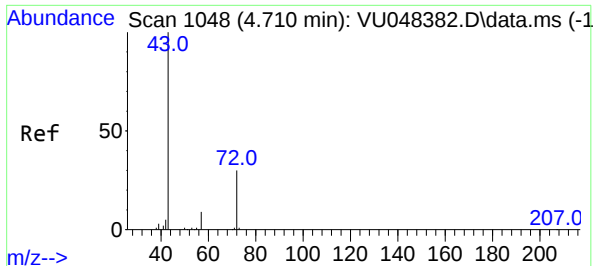
Tgt Ion: 63 Resp: 277860
Ion Ratio Lower Upper
63 100
65 32.3 22.0 40.8
83 13.7 8.8 16.4



#20
cis-1,2-Dichloroethene
Concen: 45.950 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion: 96 Resp: 169115
Ion Ratio Lower Upper
96 100
61 117.8 87.0 161.6
68 0.0 0.0 0.0

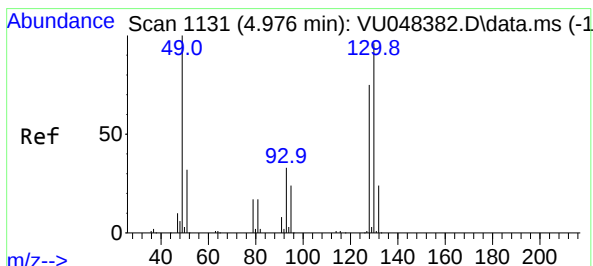
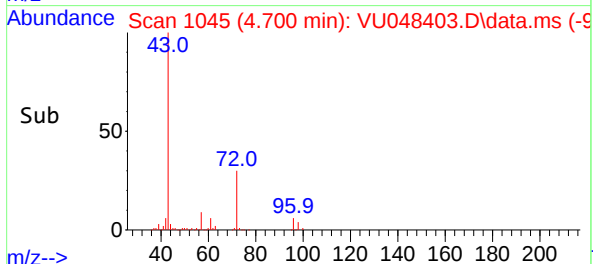
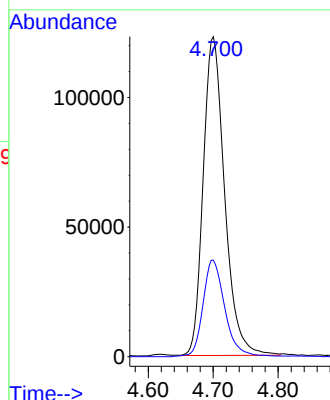
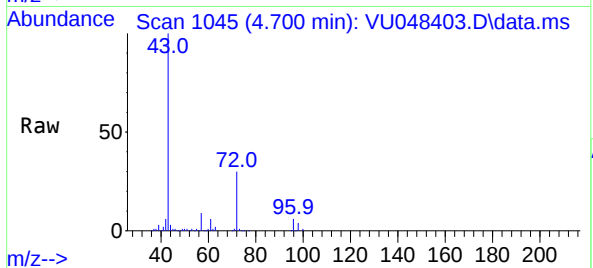




#22
2-Butanone
Concen: 84.943 ug/L
RT: 4.700 min Scan# 1048
Delta R.T. -0.009 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

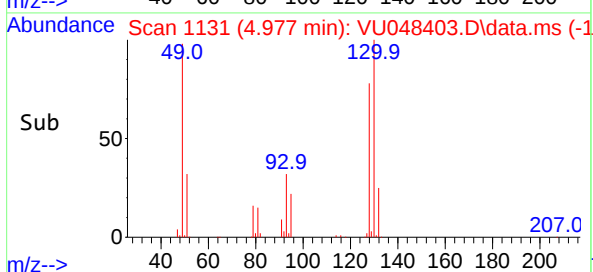
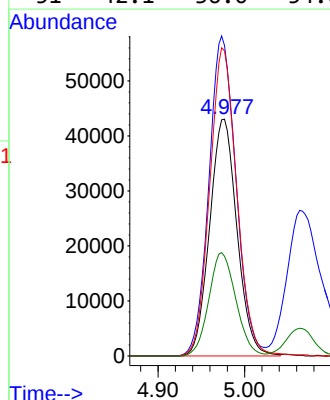
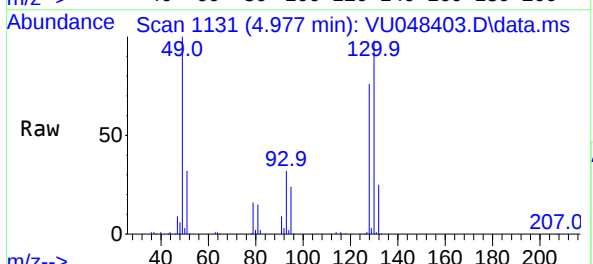
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

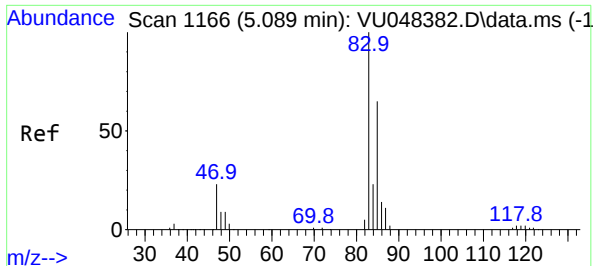
Tgt Ion: 43 Resp: 282688
Ion Ratio Lower Upper
43 100
72 30.9 14.6 43.8



#23
Bromochloromethane
Concen: 45.881 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion:128 Resp: 94275
Ion Ratio Lower Upper
128 100
49 131.1 101.3 188.1
130 128.8 89.0 165.2
51 42.1 36.0 54.0

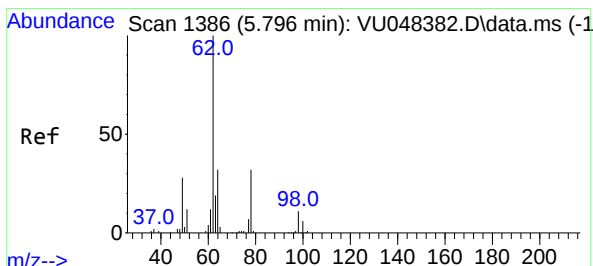
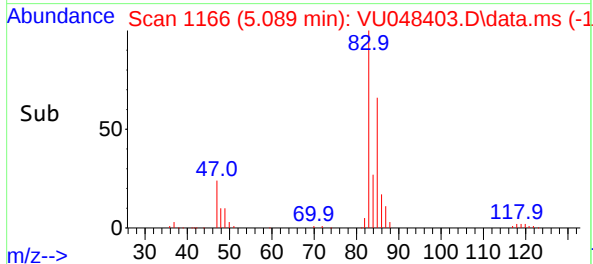
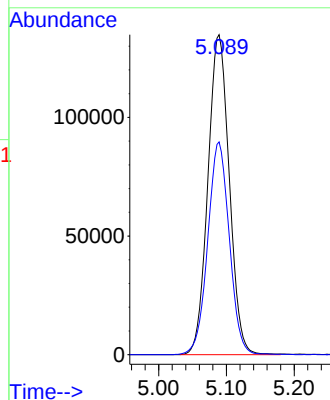
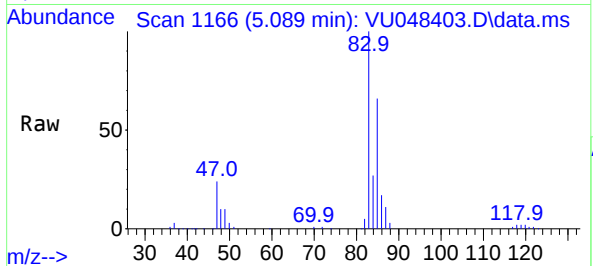




#25
Chloroform
Concen: 45.268 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

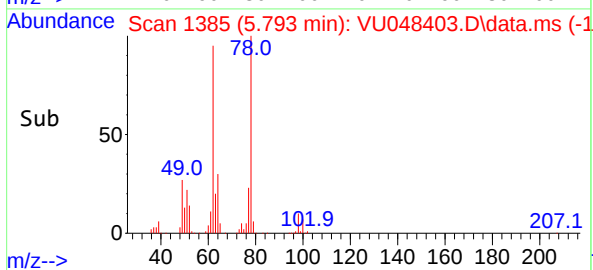
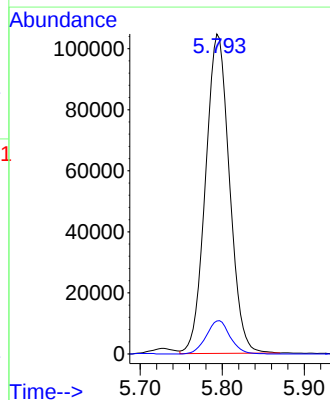
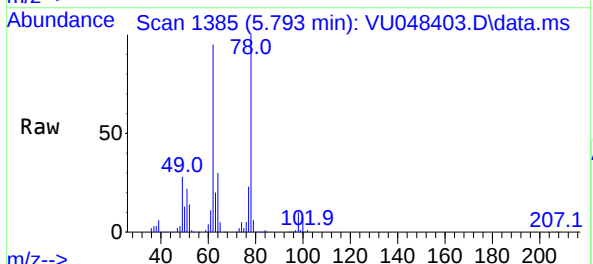
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

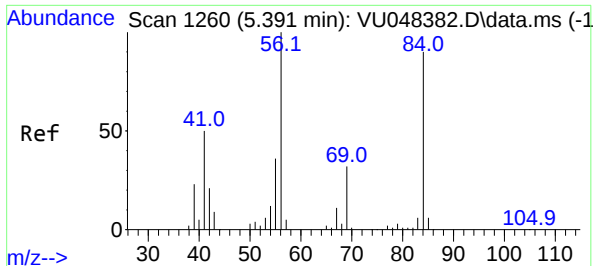
Tgt Ion: 83 Resp: 295138
Ion Ratio Lower Upper
83 100
85 66.5 45.7 84.9



#27
1,2-Dichloroethane
Concen: 44.601 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. -0.003 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion: 62 Resp: 212108
Ion Ratio Lower Upper
62 100
98 10.3 8.5 12.7





#29

Cyclohexane

Concen: 42.877 ug/L

RT: 5.388 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU048403.D

Acq: 03 May 2022 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD050112

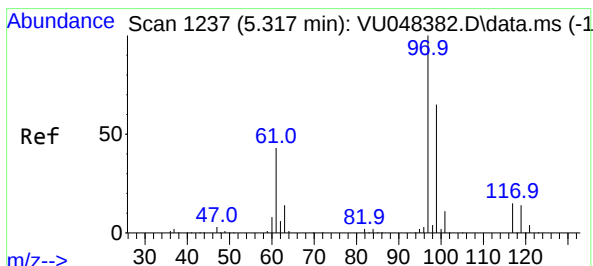
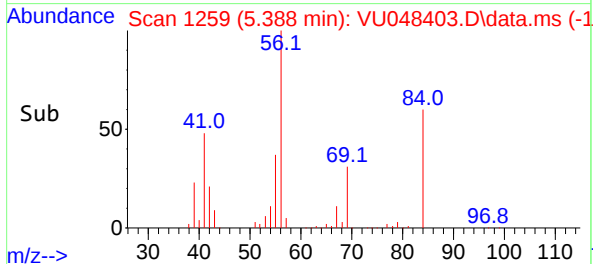
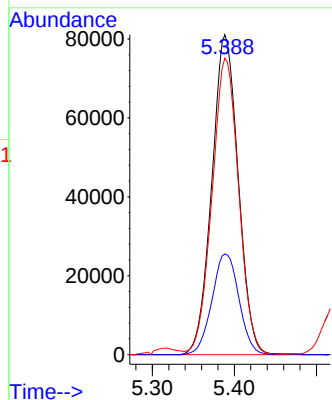
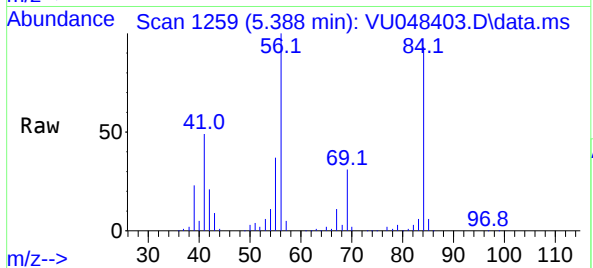
Tgt Ion: 56 Resp: 181113

Ion Ratio Lower Upper

56 100

69 32.2 24.2 36.4

84 93.6 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 46.818 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.000 min

Lab File: VU048403.D

Acq: 03 May 2022 20:17

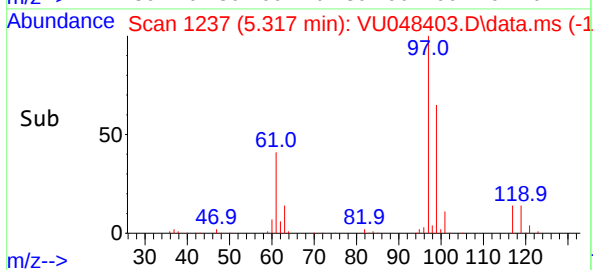
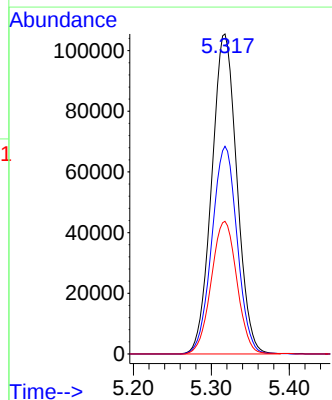
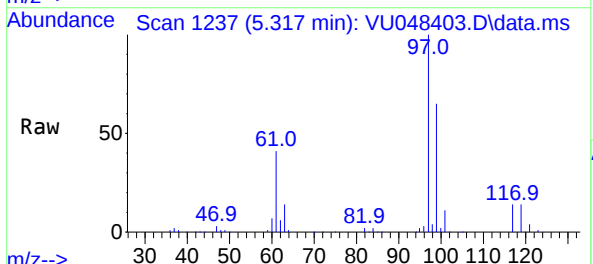
Tgt Ion: 97 Resp: 236691

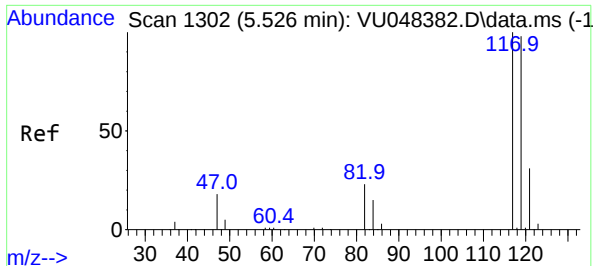
Ion Ratio Lower Upper

97 100

99 65.2 51.8 77.8

61 42.2 33.9 50.9

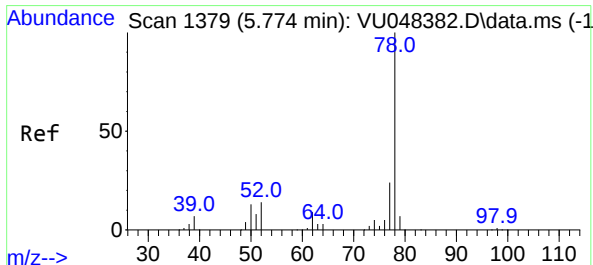
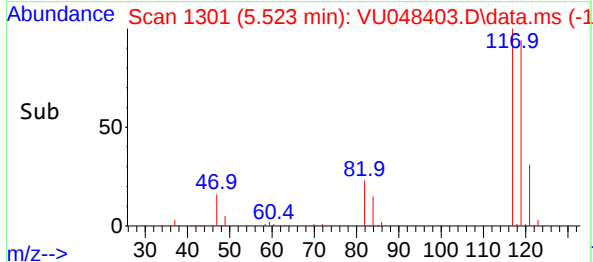
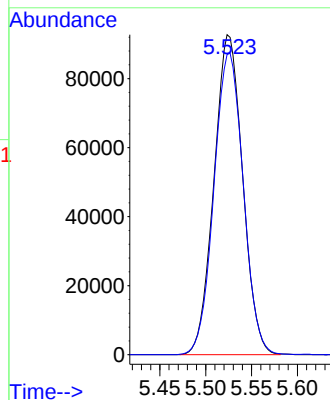
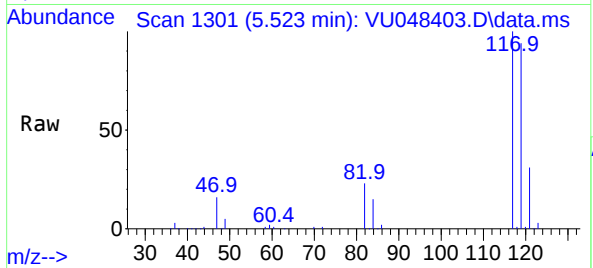




#31
Carbon tetrachloride
Concen: 46.744 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

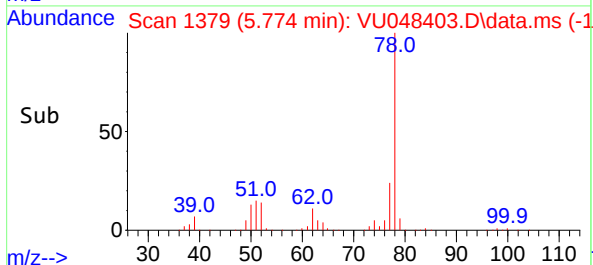
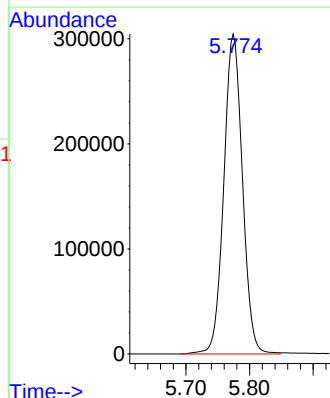
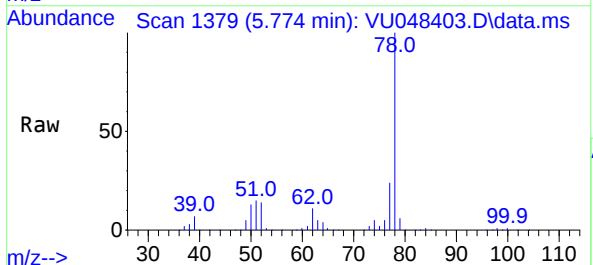
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

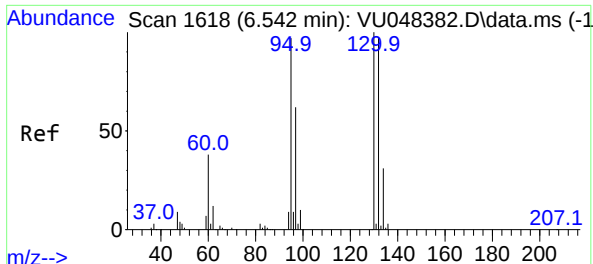
Tgt Ion:117 Resp: 201418
Ion Ratio Lower Upper
117 100
119 96.4 77.1 115.7



#33
Benzene
Concen: 46.877 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion: 78 Resp: 620479

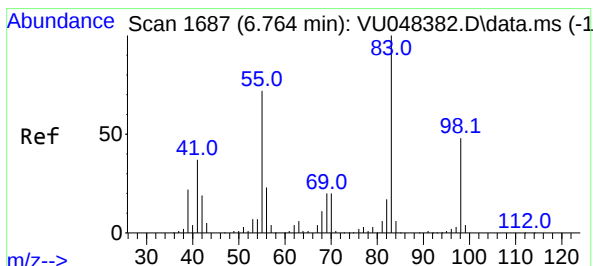
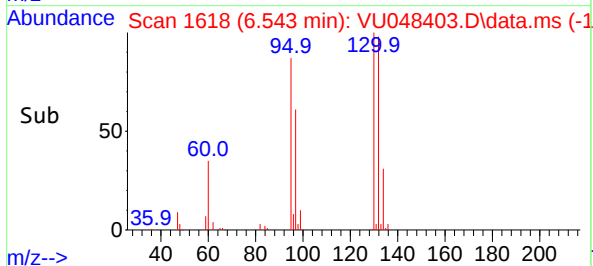
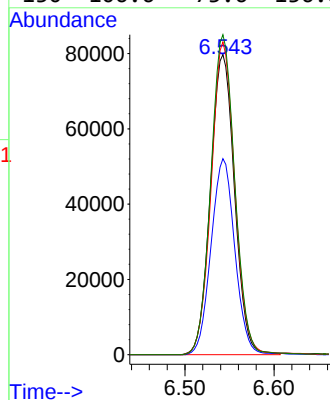
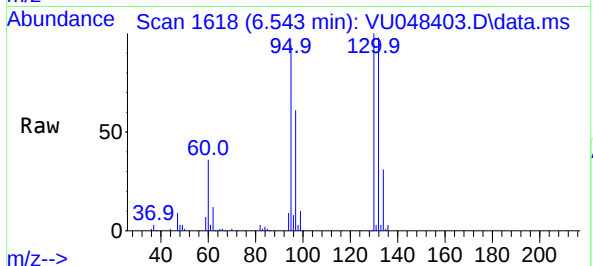




#34
Trichloroethene
Concen: 45.993 ug/L
RT: 6.543 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

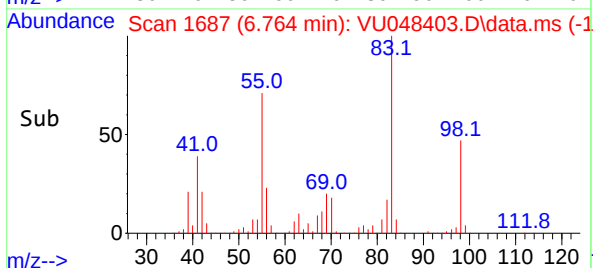
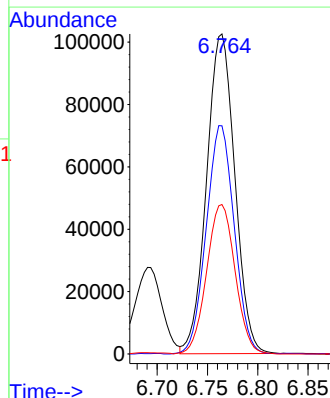
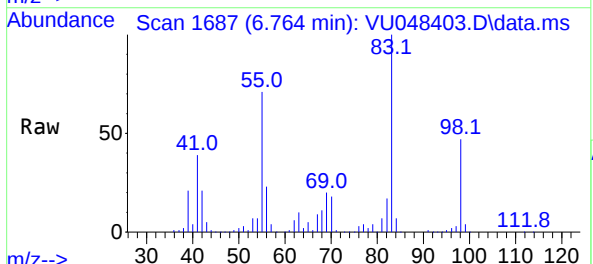
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

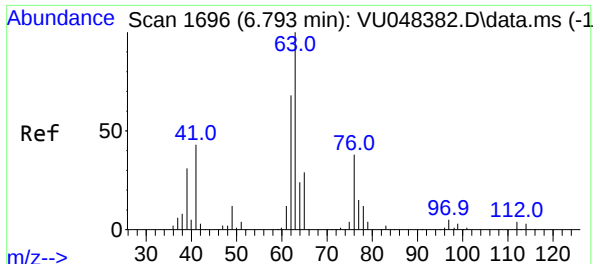
Tgt Ion: 95 Resp: 149219
Ion Ratio Lower Upper
95 100
97 65.3 45.8 85.2
132 104.2 71.6 133.0
130 106.6 73.6 136.8



#35
Methylcyclohexane
Concen: 44.060 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion: 83 Resp: 200692
Ion Ratio Lower Upper
83 100
55 70.9 59.4 89.2
98 47.1 37.3 55.9

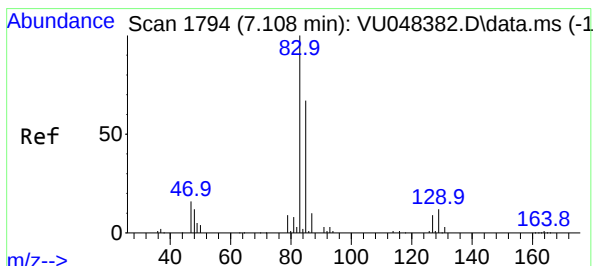
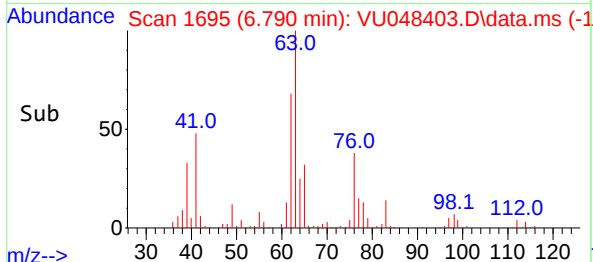
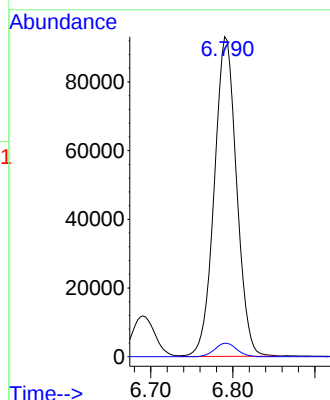
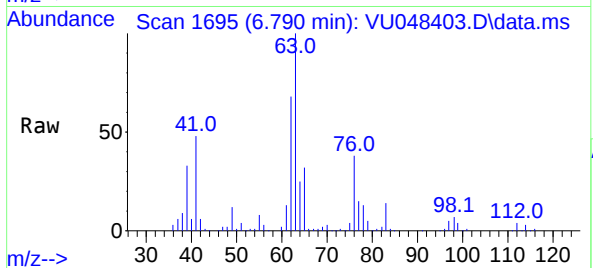




#37
1,2-Dichloropropane
Concen: 46.735 ug/L
RT: 6.790 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

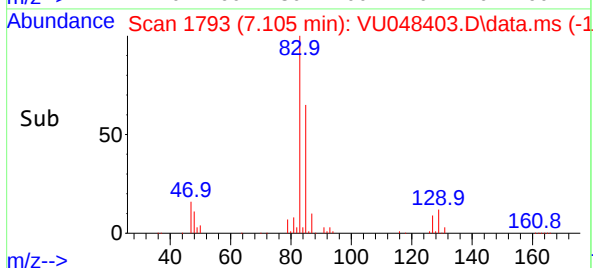
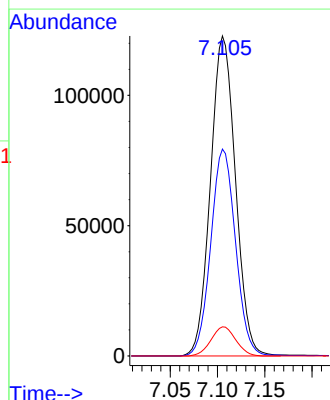
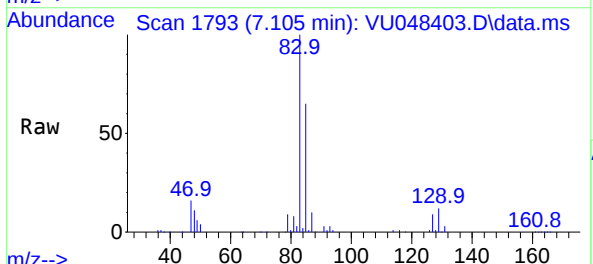
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

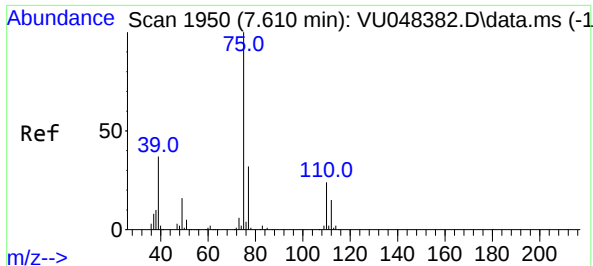
Tgt Ion: 63 Resp: 176004
Ion Ratio Lower Upper
63 100
112 4.2 3.1 4.7



#38
Bromodichloromethane
Concen: 47.452 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.003 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion: 83 Resp: 225679
Ion Ratio Lower Upper
83 100
85 64.6 45.3 84.1
127 9.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 45.797 ug/L

RT: 7.607 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VU048403.D

Acq: 03 May 2022 20:17

Instrument :

MSVOA_U

ClientSampleId :

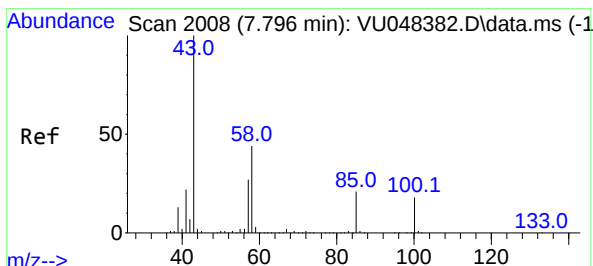
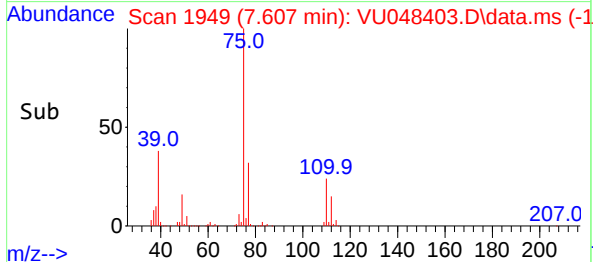
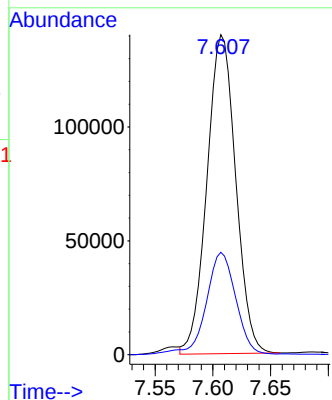
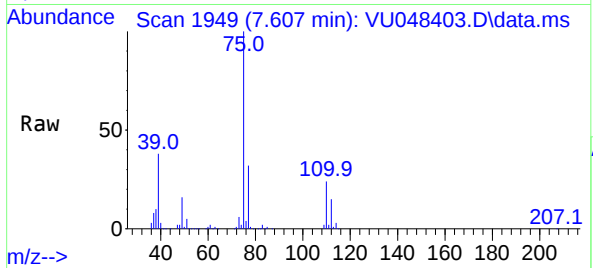
VSTD050112

Tgt Ion: 75 Resp: 242522

Ion Ratio Lower Upper

75 100

77 32.0 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 95.698 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.006 min

Lab File: VU048403.D

Acq: 03 May 2022 20:17

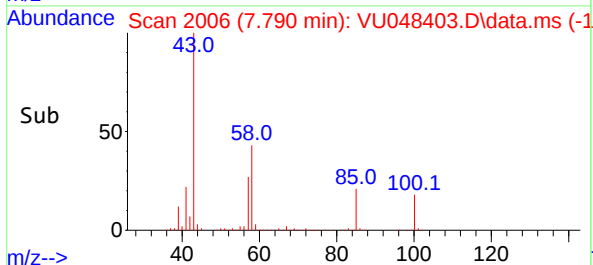
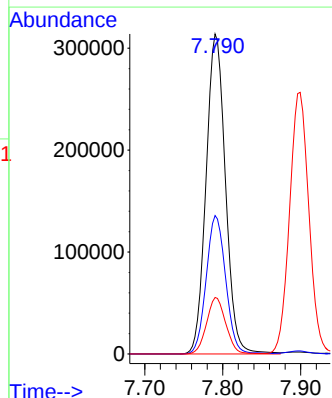
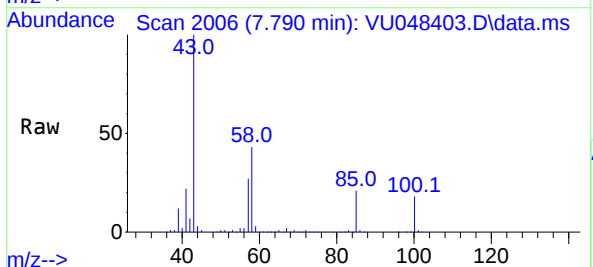
Tgt Ion: 43 Resp: 543571

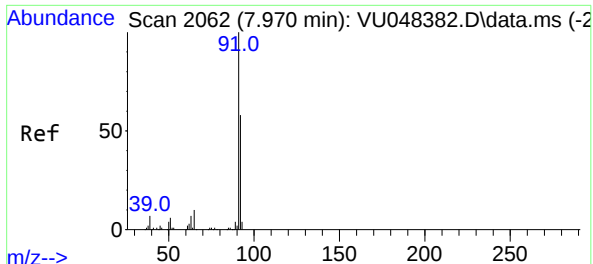
Ion Ratio Lower Upper

43 100

58 43.3 34.4 51.6

100 17.4 13.6 20.4

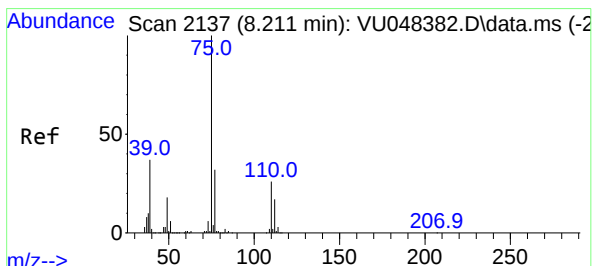
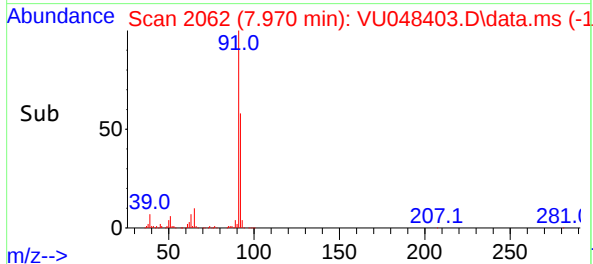
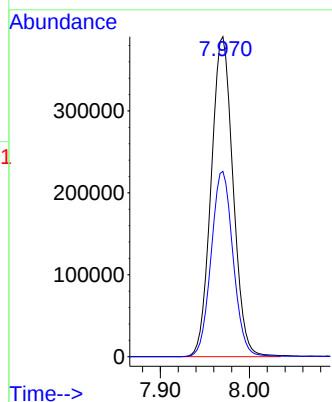
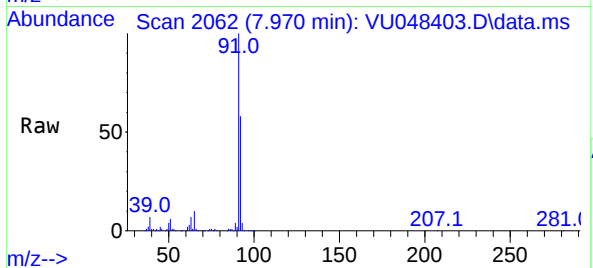




#42
Toluene
Concen: 48.059 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

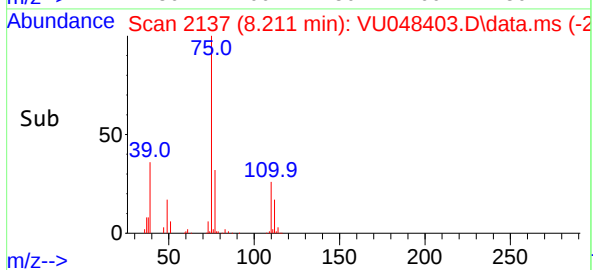
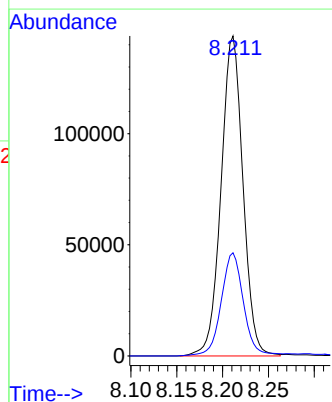
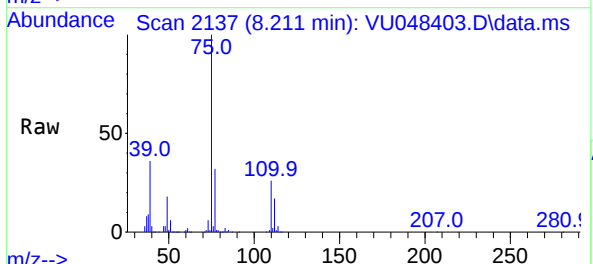
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

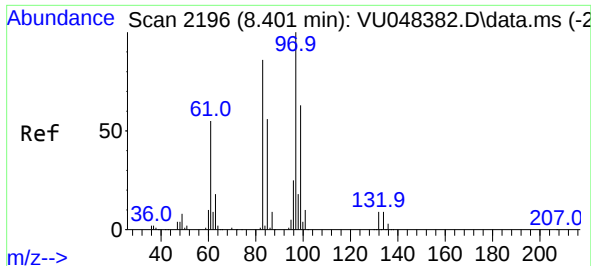
Tgt Ion: 91 Resp: 667867
Ion Ratio Lower Upper
91 100
92 57.9 40.9 76.0



#44
trans-1,3-Dichloropropene
Concen: 46.249 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

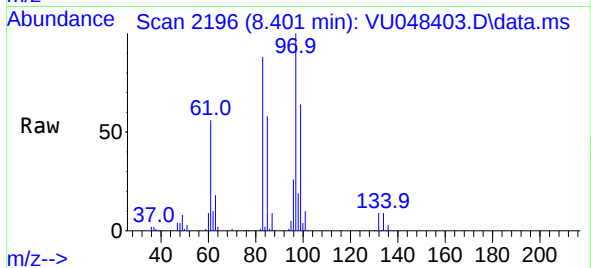
Tgt Ion: 75 Resp: 239260
Ion Ratio Lower Upper
75 100
77 32.3 22.1 41.1





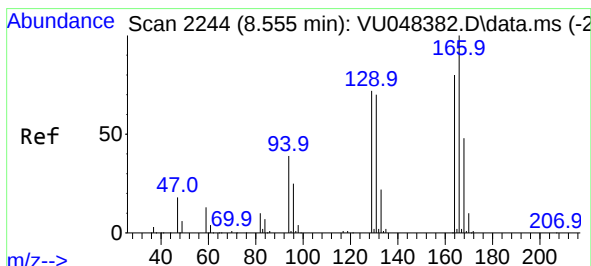
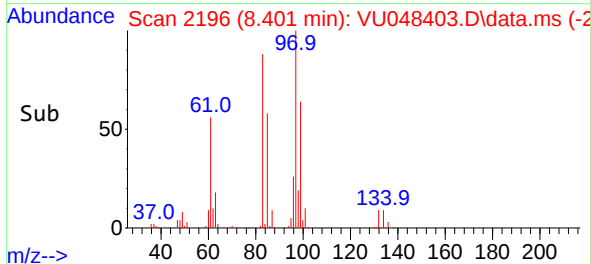
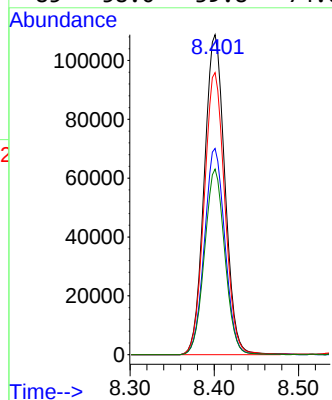
#45
1,1,2-Trichloroethane
Concen: 46.951 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD050112



Tgt Ion: 97 Resp: 185511

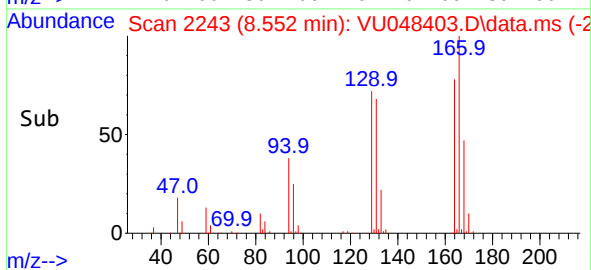
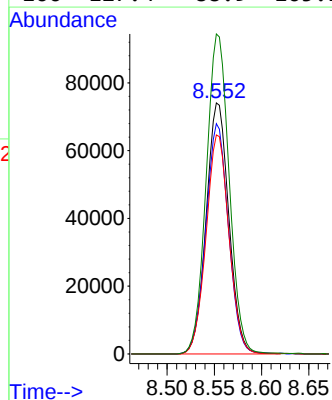
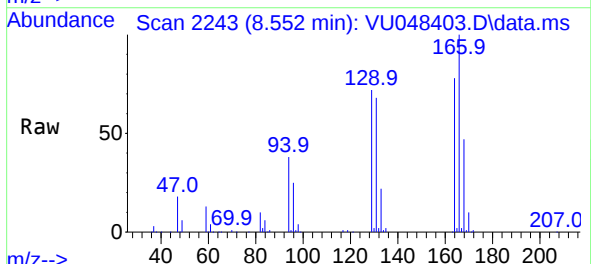
Ion	Ratio	Lower	Upper
97	100		
99	64.5	43.7	81.1
83	88.2	62.6	116.2
85	58.0	39.8	74.0

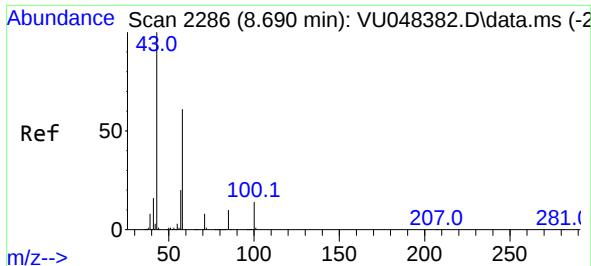


#46
Tetrachloroethene
Concen: 44.399 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion: 164 Resp: 123627

Ion	Ratio	Lower	Upper
164	100		
129	91.7	63.3	117.7
131	87.3	61.2	113.6
166	127.4	88.9	165.1

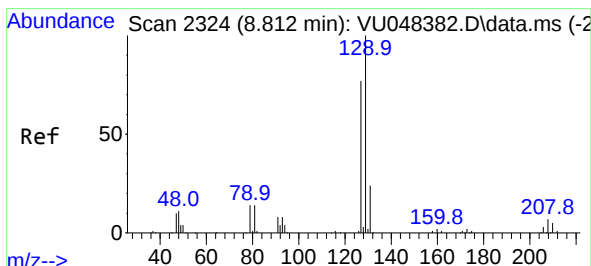
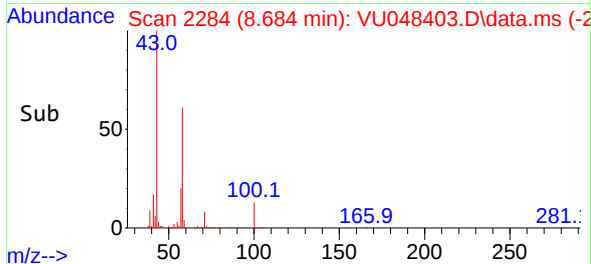
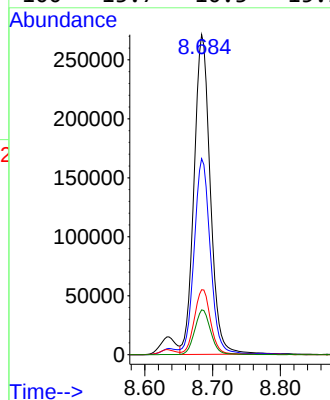
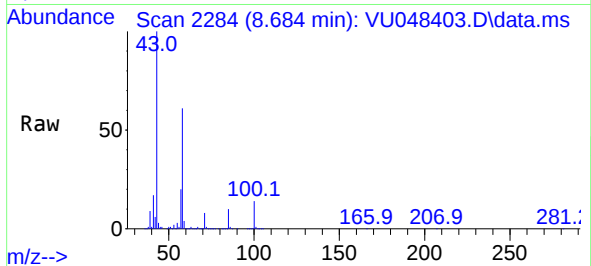




#48
2-Hexanone
Concen: 94.982 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

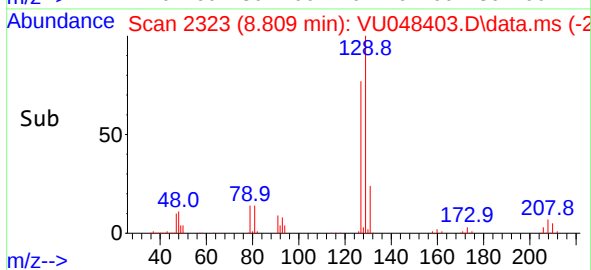
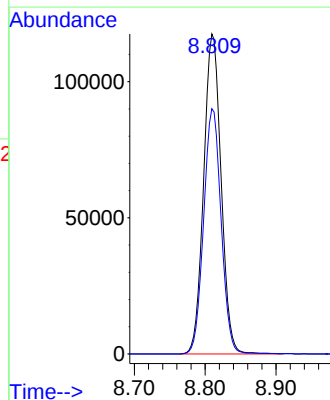
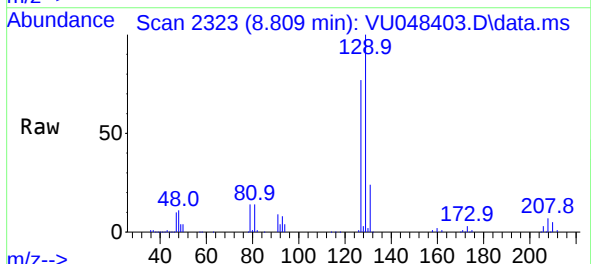
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

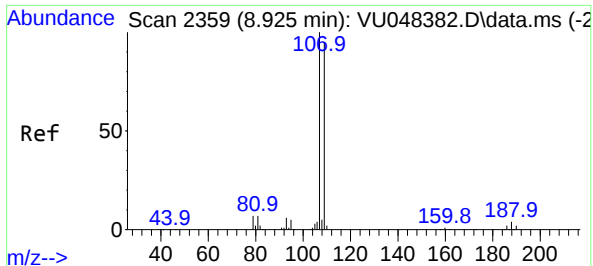
Tgt Ion: 43 Resp: 450522
Ion Ratio Lower Upper
43 100
58 61.3 48.1 72.1
57 20.3 16.2 24.4
100 13.7 10.3 15.5



#49
Dibromochloromethane
Concen: 46.185 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion: 129 Resp: 200523
Ion Ratio Lower Upper
129 100
127 76.7 53.8 99.8

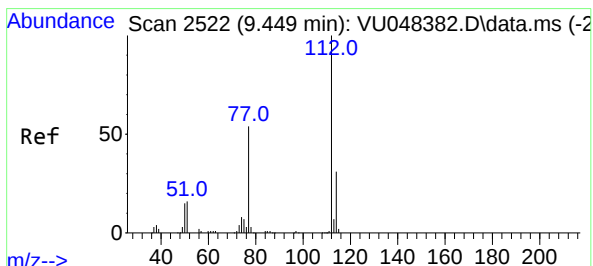
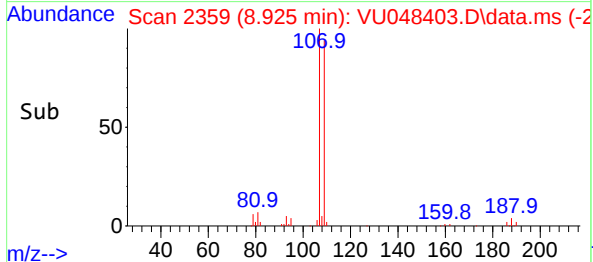
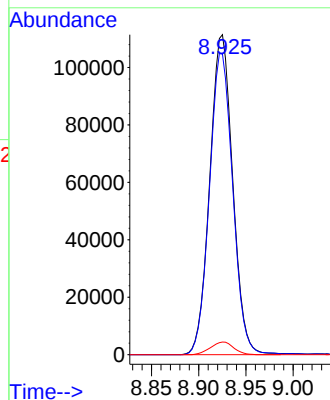
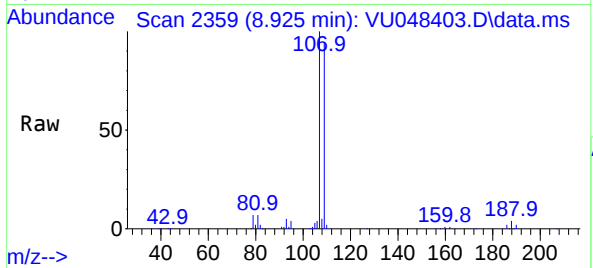




#50
1,2-Dibromoethane
Concen: 46.968 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

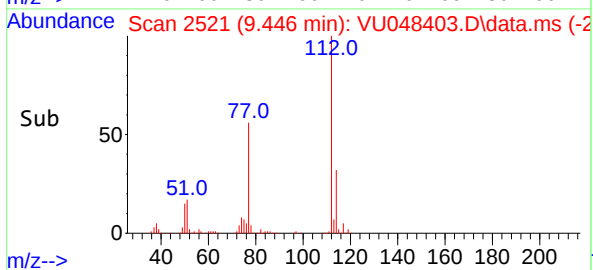
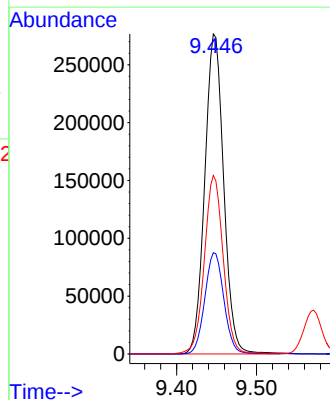
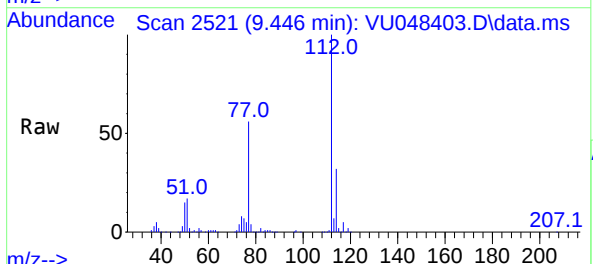
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

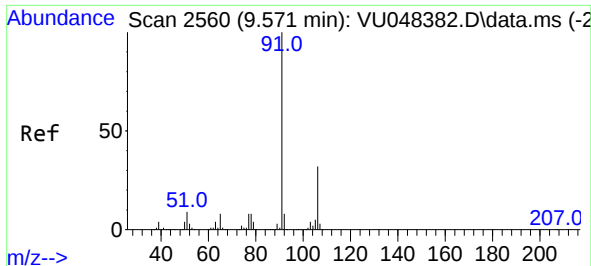
Tgt Ion:107 Resp: 188190
Ion Ratio Lower Upper
107 100
109 94.0 65.0 120.8
188 4.0 3.1 4.7



#51
Chlorobenzene
Concen: 45.611 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion:112 Resp: 456882
Ion Ratio Lower Upper
112 100
114 31.6 22.7 42.1
77 55.8 44.3 66.5

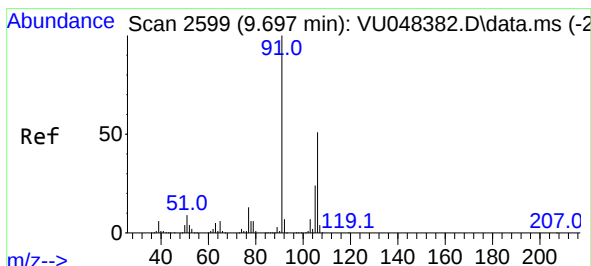
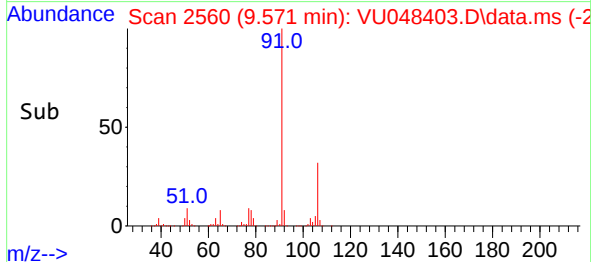
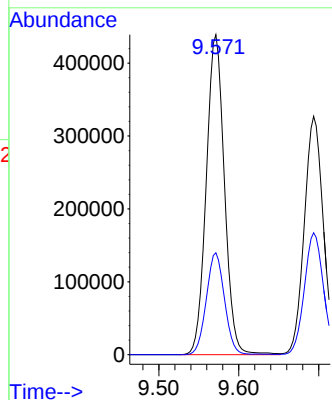
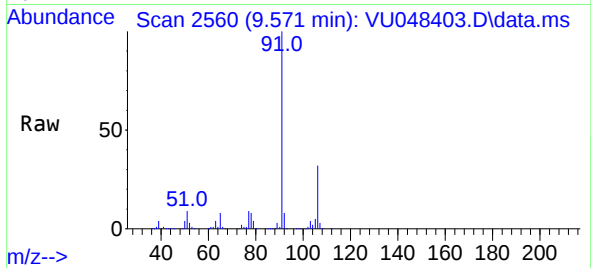




#52
Ethylbenzene
Concen: 48.301 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

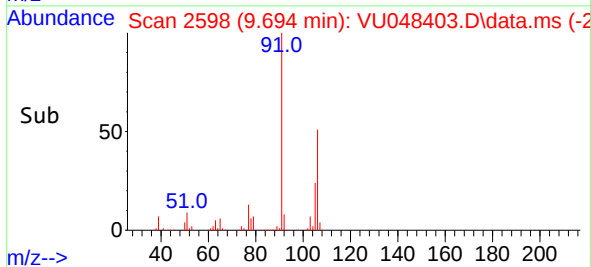
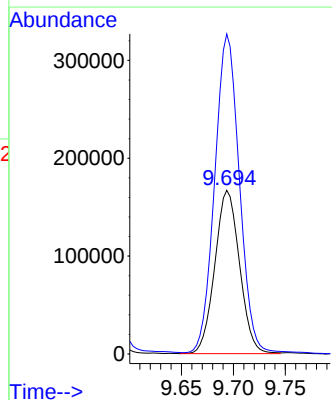
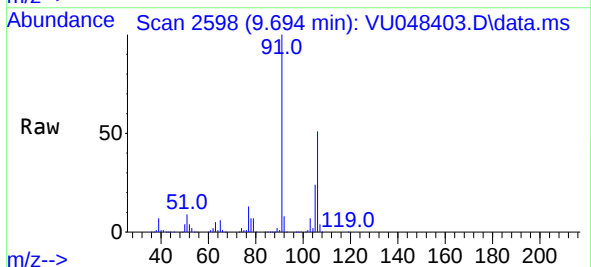
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

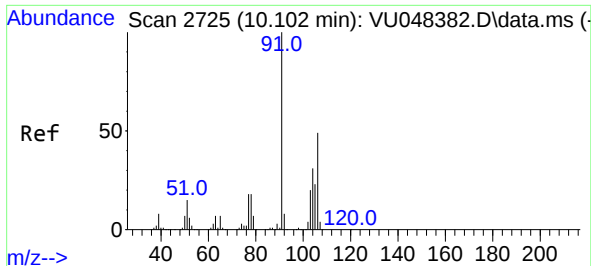
Tgt Ion: 91 Resp: 695142
Ion Ratio Lower Upper
91 100
106 31.9 22.5 41.9



#53
m,p-Xylene
Concen: 48.519 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion: 106 Resp: 275557
Ion Ratio Lower Upper
106 100
91 195.4 137.4 255.2

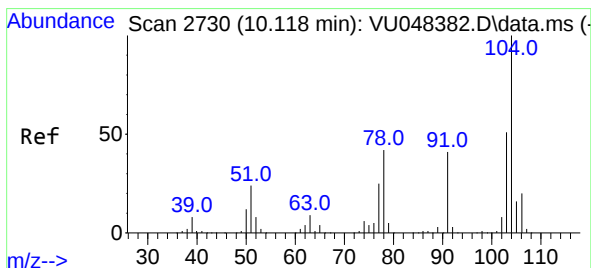
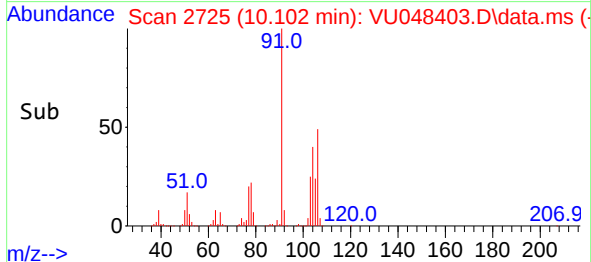
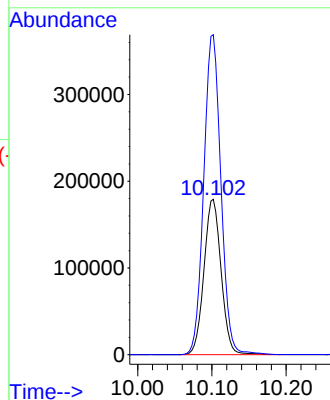
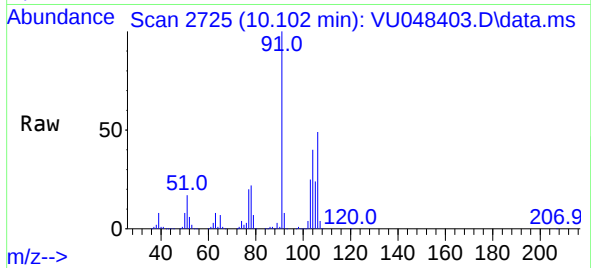




#54
o-Xylene
Concen: 50.166 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

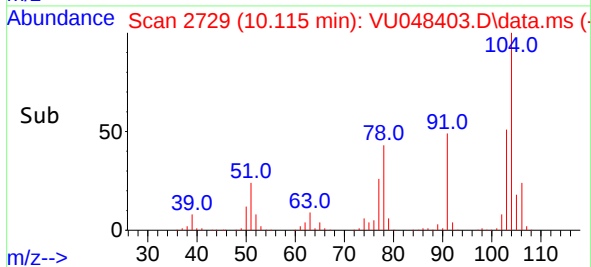
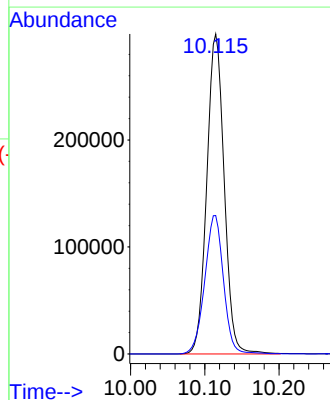
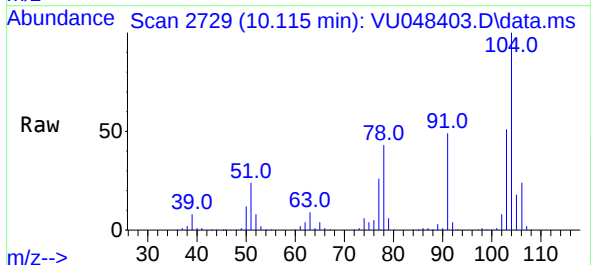
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

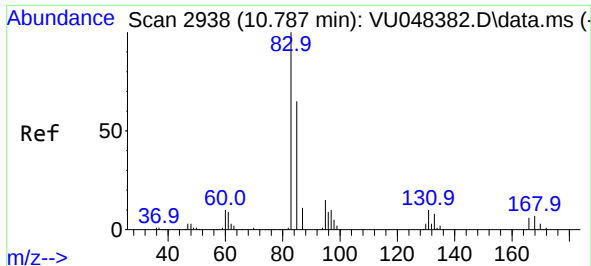
Tgt Ion:106 Resp: 287022
Ion Ratio Lower Upper
106 100
91 206.0 145.3 269.8



#55
Styrene
Concen: 49.870 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion:104 Resp: 486080
Ion Ratio Lower Upper
104 100
78 43.3 30.3 56.3

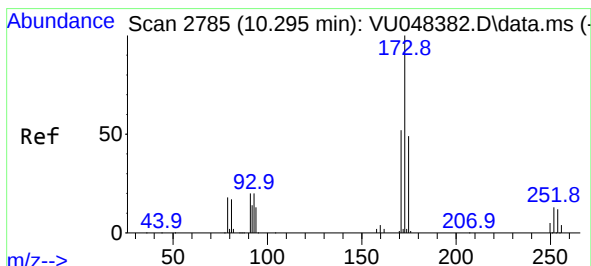
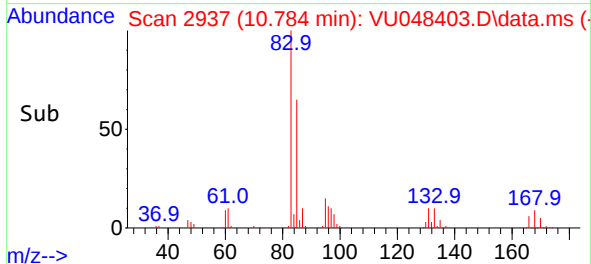
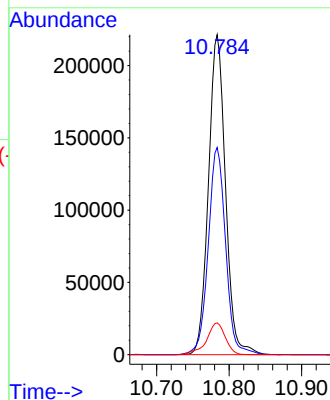
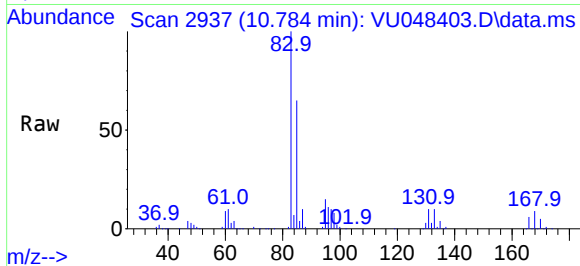




#57
1,1,2,2-Tetrachloroethane
Concen: 46.333 ug/L
RT: 10.784 min Scan# 2937
Delta R.T. -0.003 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

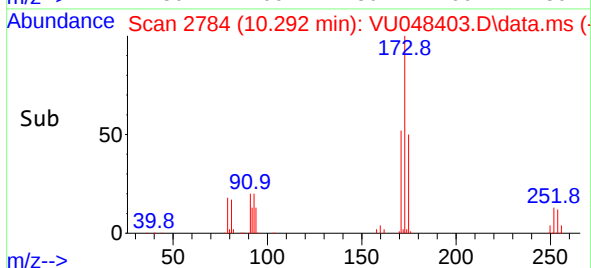
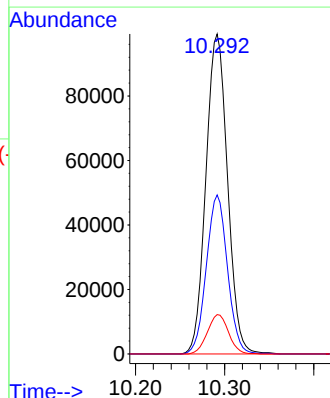
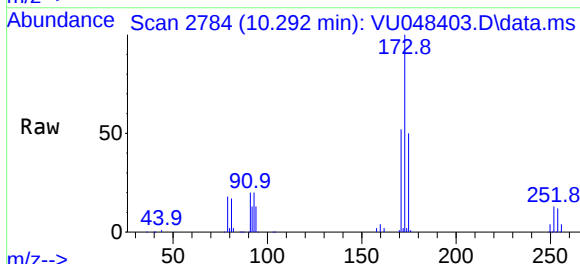
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

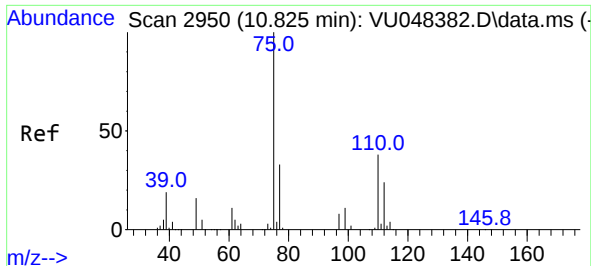
Tgt Ion: 83 Resp: 361308
Ion Ratio Lower Upper
83 100
85 64.7 45.1 83.7
131 10.0 7.8 11.6



#59
Bromoform
Concen: 46.647 ug/L
RT: 10.292 min Scan# 2784
Delta R.T. -0.003 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion:173 Resp: 167113
Ion Ratio Lower Upper
173 100
175 48.5 38.9 58.3
254 12.1 9.5 14.3

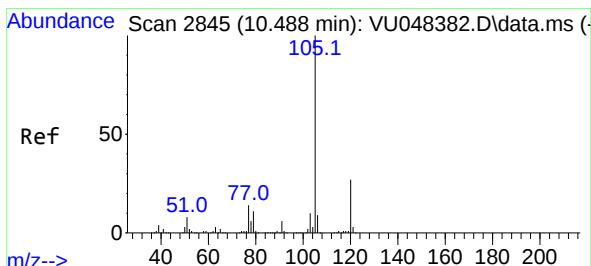
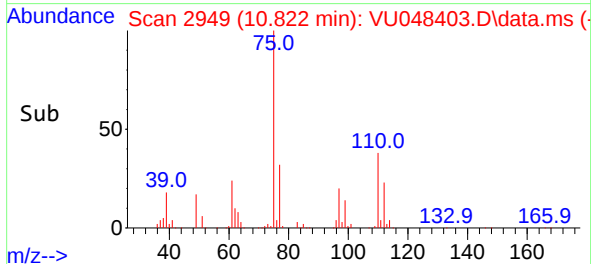
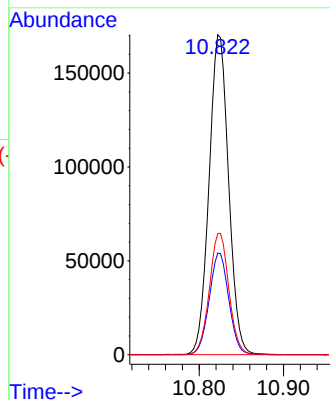
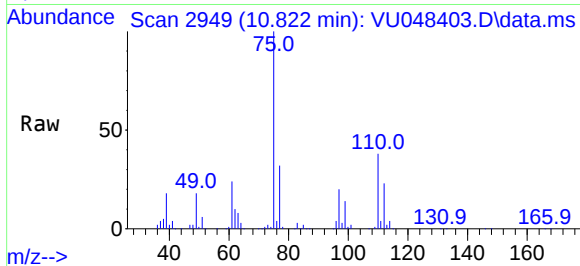




#60
1,2,3-Trichloropropane
Concen: 47.729 ug/L
RT: 10.822 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

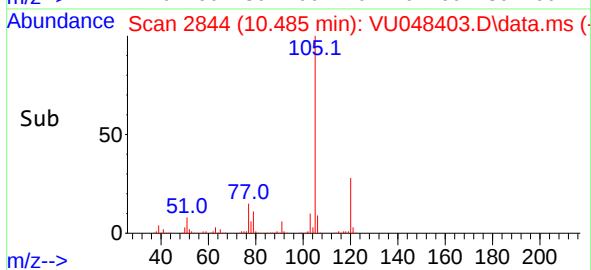
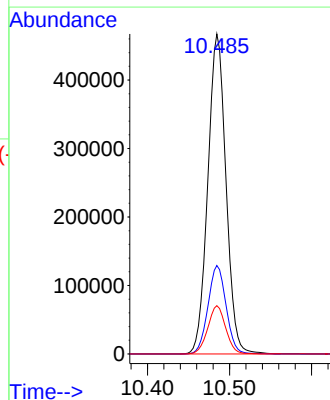
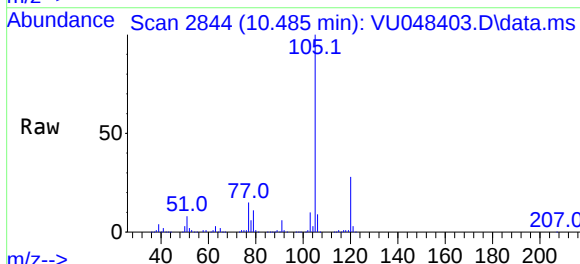
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

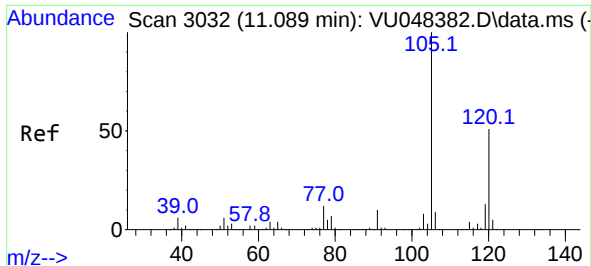
Tgt Ion: 75 Resp: 274858
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8
110 37.9 29.9 44.9



#61
Isopropylbenzene
Concen: 52.171 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion: 105 Resp: 720084
Ion Ratio Lower Upper
105 100
120 27.6 21.7 32.5
77 14.9 11.7 17.5

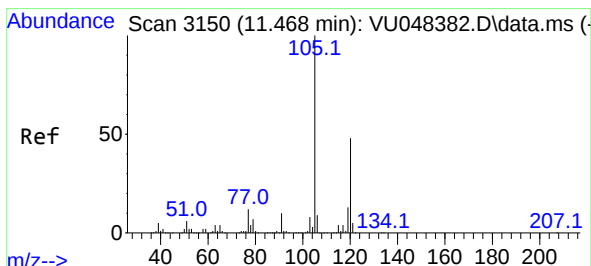
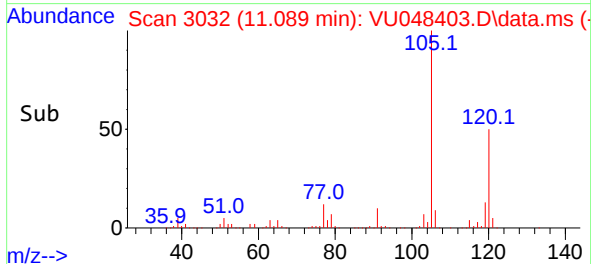
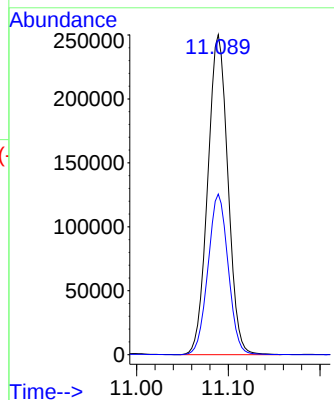
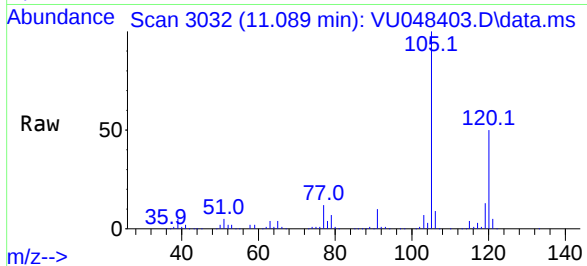




#62
1,3,5-Trimethylbenzene
Concen: 52.576 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

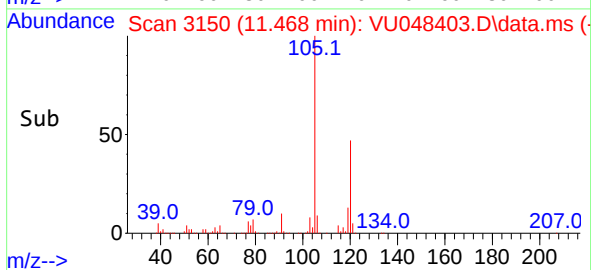
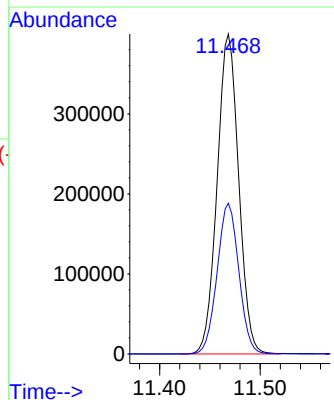
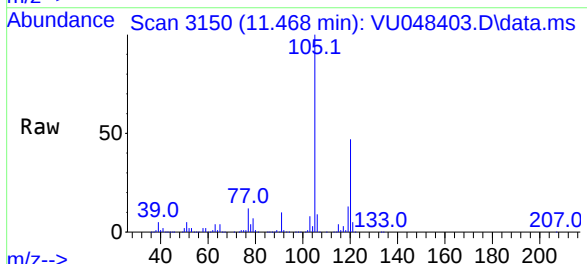
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

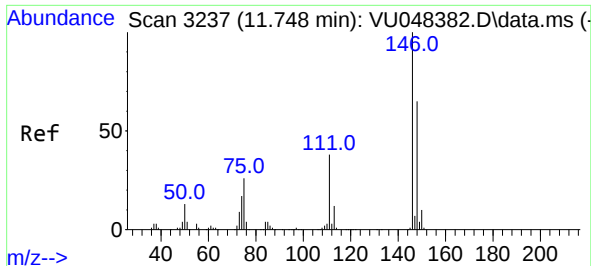
Tgt Ion:105 Resp: 382475
Ion Ratio Lower Upper
105 100
120 50.2 40.7 61.1



#63
1,2,4-Trimethylbenzene
Concen: 53.186 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion:105 Resp: 594856
Ion Ratio Lower Upper
105 100
120 47.4 38.0 57.0

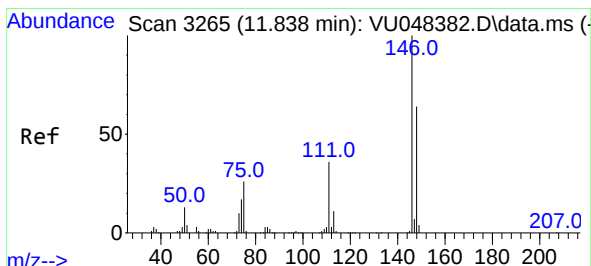
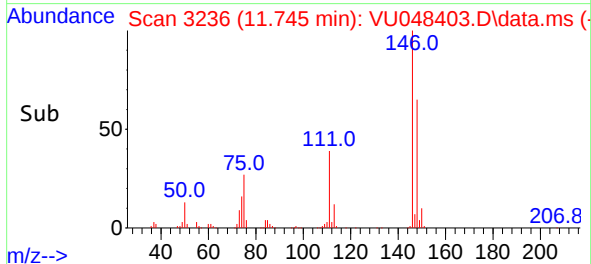
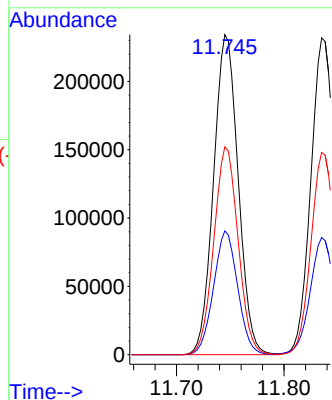
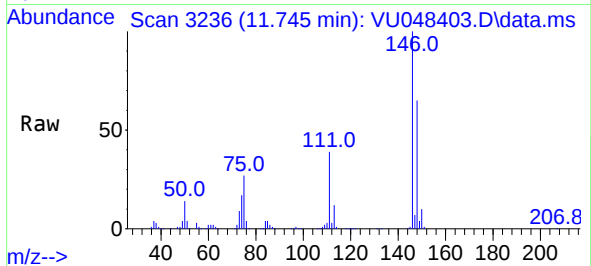




#64
1,3-Dichlorobenzene
Concen: 48.157 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

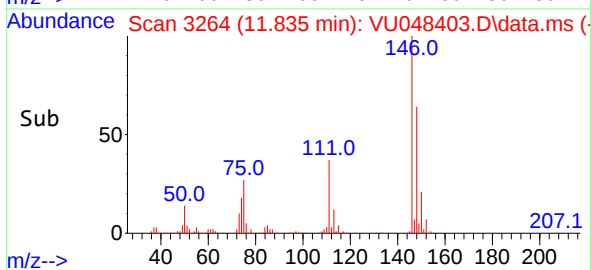
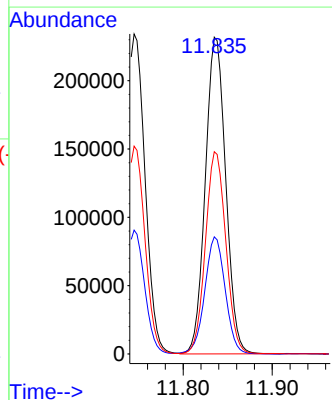
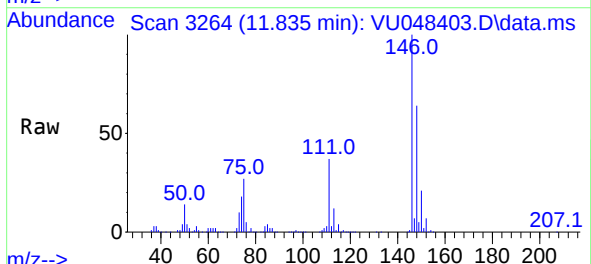
Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

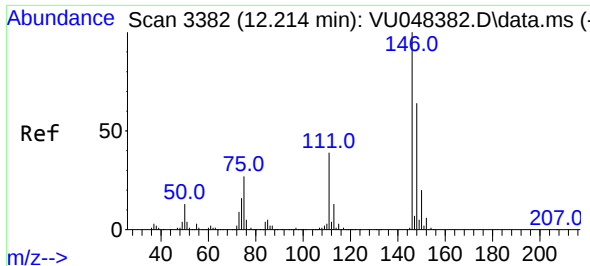
Tgt Ion:146 Resp: 372642
Ion Ratio Lower Upper
146 100
111 38.7 26.7 49.7
148 64.9 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 46.705 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion:146 Resp: 368957
Ion Ratio Lower Upper
146 100
111 37.0 25.9 48.1
148 63.8 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 48.386 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU048403.D

Acq: 03 May 2022 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD050112

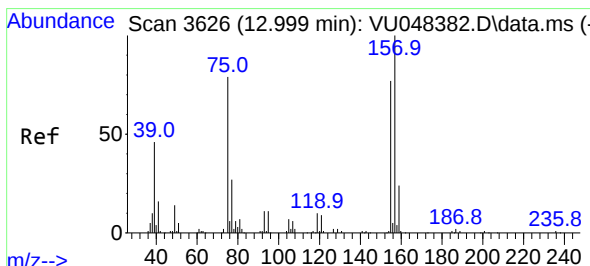
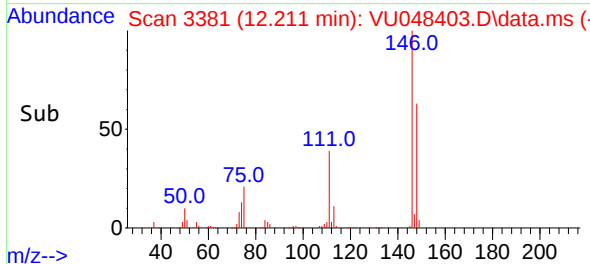
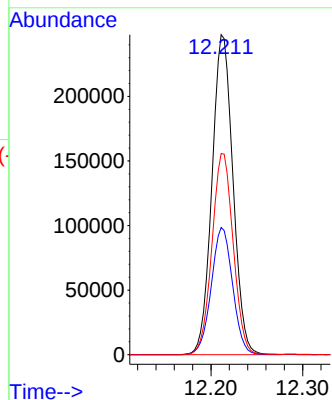
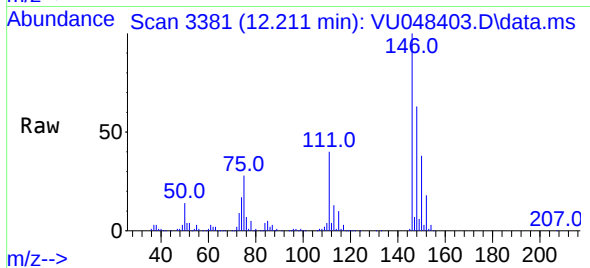
Tgt Ion:146 Resp: 394419

Ion Ratio Lower Upper

146 100

111 39.8 31.7 47.5

148 62.9 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 46.947 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU048403.D

Acq: 03 May 2022 20:17

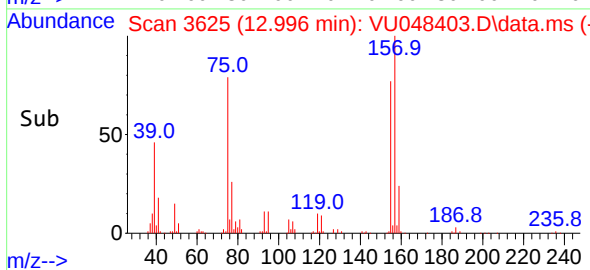
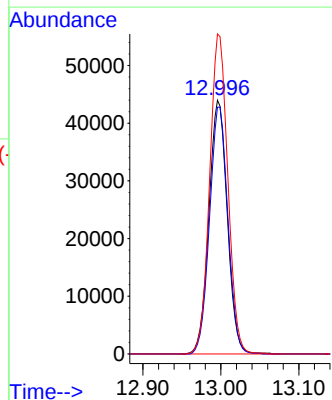
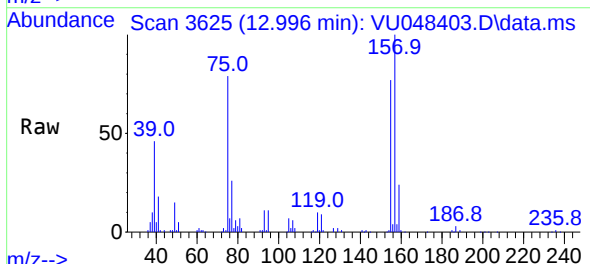
Tgt Ion: 75 Resp: 72173

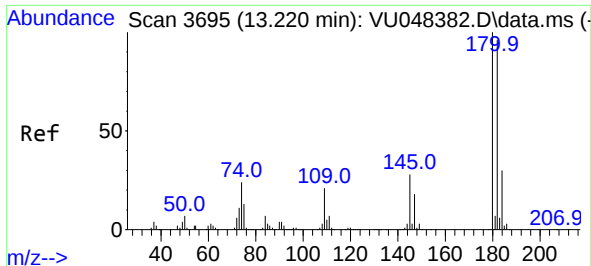
Ion Ratio Lower Upper

75 100

155 97.2 71.8 107.6

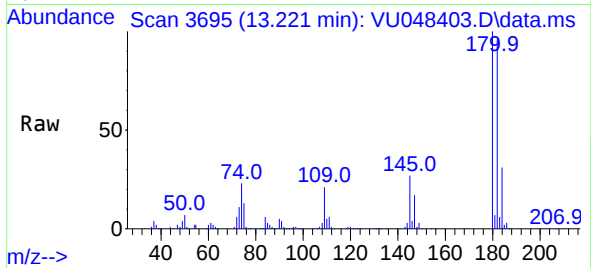
157 126.1 93.4 140.2



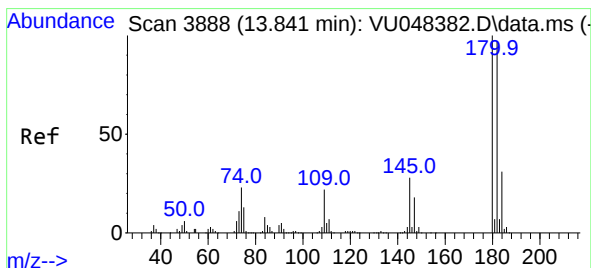
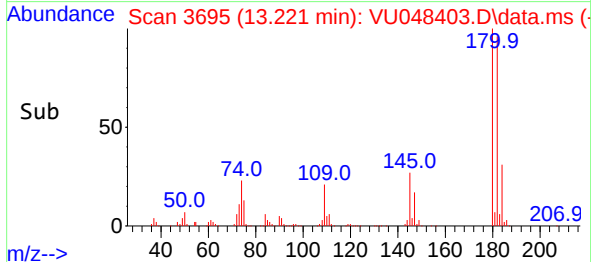
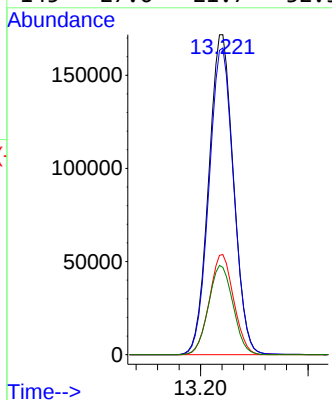


#69
 1,3,5-Trichlorobenzene
 Concen: 47.808 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU048403.D
 Acq: 03 May 2022 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050112

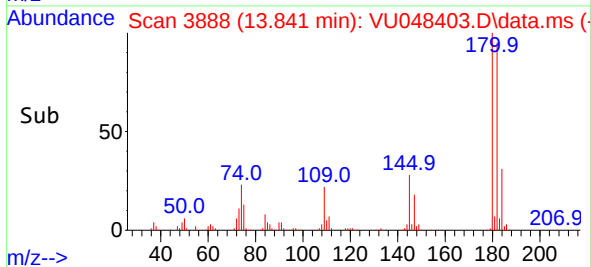
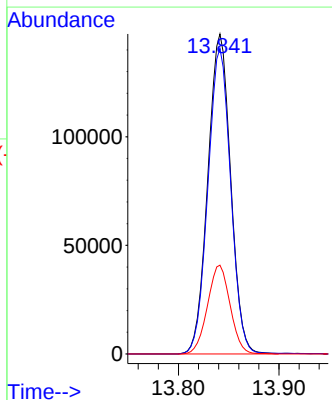
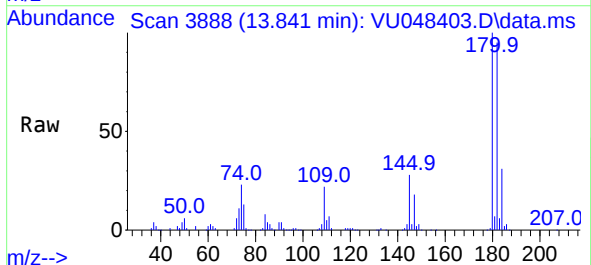


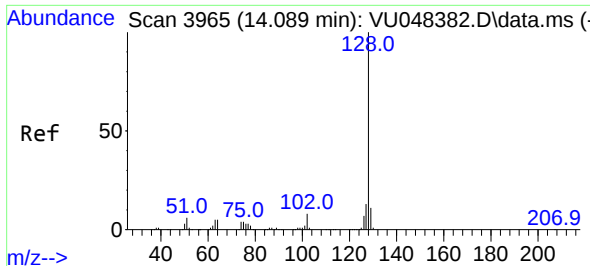
Tgt Ion:180 Resp: 274894
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.0 115.4
 184 30.7 24.6 37.0
 145 27.6 21.7 32.5



#70
 1,2,4-trichlorobenzene
 Concen: 51.154 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU048403.D
 Acq: 03 May 2022 20:17

Tgt Ion:180 Resp: 232370
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.3 114.5
 145 27.5 22.6 33.8



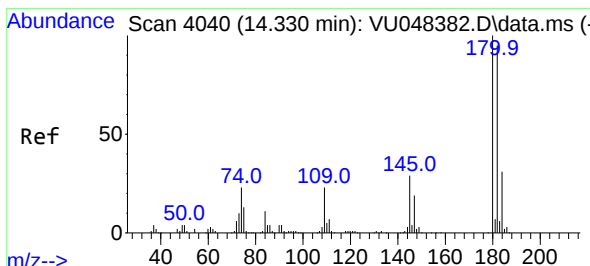
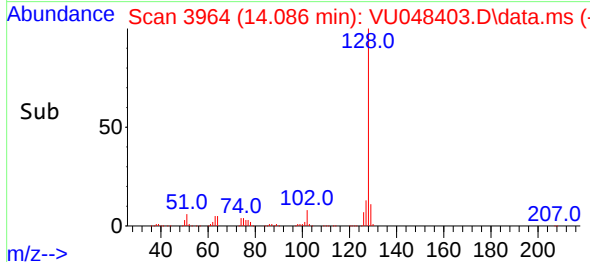
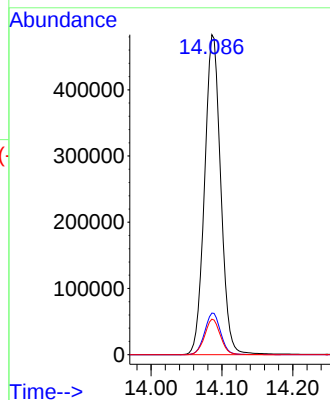
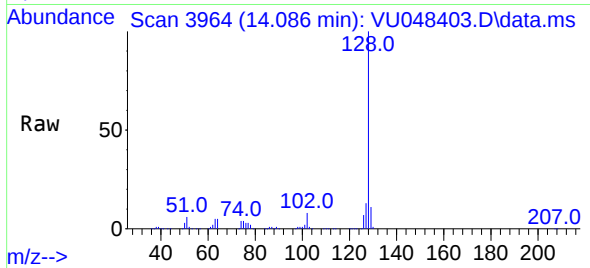


#71
Naphthalene
Concen: 58.840 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD050112

Tgt Ion:128 Resp: 764917

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.7	13.1



#72
1,2,3-Trichlorobenzene
Concen: 53.606 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048403.D
Acq: 03 May 2022 20:17

Tgt Ion:180 Resp: 249557

Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.8	113.6
145	29.3	23.5	35.3

