

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050422\
 Data File : VU048405.D
 Acq On : 04 May 2022 09:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050113

Quant Time: May 05 02:12:15 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	409180	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	412641	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	237636	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	209813	55.761	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 111.520%	
7) Chloroethane-d5	1.899	69	160466	60.755	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 121.520%	
11) 1,1-Dichloroethene-d2	2.565	63	306667	50.866	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 101.740%	
21) 2-Butanone-d5	4.623	46	287958	89.728	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 89.730%	
24) Chloroform-d	5.063	84	343506	50.331	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 100.660%	
26) 1,2-Dichloroethane-d4	5.703	65	200930	49.619	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 99.240%	
32) Benzene-d6	5.729	84	716323	55.042	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 110.080%	
36) 1,2-Dichloropropane-d6	6.693	67	229179	53.266	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 106.540%	
41) Toluene-d8	7.899	98	660908	56.026	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 112.060%	
43) trans-1,3-Dichloroprop...	8.179	79	101530	53.479	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 106.960%	
47) 2-Hexanone-d5	8.636	63	223716	96.375	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 96.380%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	378392	50.146	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 100.300%	
66) 1,2-Dichlorobenzene-d4	12.195	152	277654	51.940	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 103.880%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	145869	47.178	ug/L	100
3) Chloromethane	1.520	50	147175	41.588	ug/L	100
5) Vinyl chloride	1.607	62	164550	46.142	ug/L	96
6) Bromomethane	1.838	94	69519	42.416	ug/L	99
8) Chloroethane	1.922	64	108351	53.734	ug/L	100
9) Trichlorofluoromethane	2.131	101	231484	49.808	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	155466	50.437	ug/L	99
12) 1,1-Dichloroethene	2.578	96	131831	48.997	ug/L	94
13) Acetone	2.629	43	250394	121.535	ug/L	98
14) Carbon disulfide	2.793	76	255880	39.021	ug/L	99
15) Methyl Acetate	2.948	43	191474	46.818	ug/L	99
16) Methylene chloride	3.047	84	177478	51.164	ug/L	96
17) trans-1,2-Dichloroethene	3.353	96	136412	48.804	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	498706	54.076	ug/L	99
19) 1,1-Dichloroethane	3.870	63	293405	50.198	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	176671	52.437	ug/L	95
22) 2-Butanone	4.703	43	322900	105.988	ug/L	99
23) Bromochloromethane	4.977	128	97378	51.768	ug/L	95
25) Chloroform	5.089	83	311693	52.222	ug/L	98

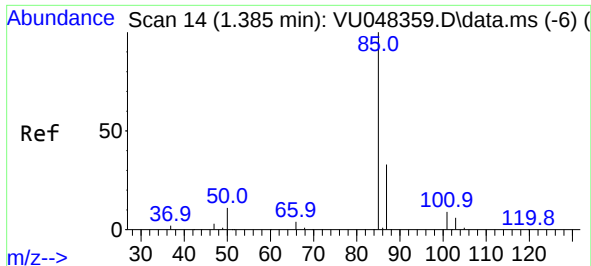
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	216974	49.839	ug/L	99
29) Cyclohexane	5.388	56	192438	49.359	ug/L	98
30) 1,1,1-Trichloroethane	5.317	97	253962	54.425	ug/L	99
31) Carbon tetrachloride	5.526	117	214074	53.826	ug/L	99
33) Benzene	5.774	78	653534	53.493	ug/L	100
34) Trichloroethene	6.542	95	160428	53.573	ug/L	98
35) Methylcyclohexane	6.764	83	219770	52.273	ug/L	98
37) 1,2-Dichloropropane	6.793	63	186749	53.725	ug/L	99
38) Bromodichloromethane	7.108	83	238117	54.244	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	259348	53.060	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	546201	104.183	ug/L	99
42) Toluene	7.970	91	708032	55.200	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	257427	53.911	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	193022	52.927	ug/L	99
46) Tetrachloroethene	8.555	164	133957	52.122	ug/L	99
48) 2-Hexanone	8.687	43	470964	107.575	ug/L	99
49) Dibromochloromethane	8.812	129	208058	51.918	ug/L	99
50) 1,2-Dibromoethane	8.925	107	195668	52.908	ug/L	98
51) Chlorobenzene	9.449	112	479581	51.871	ug/L	99
52) Ethylbenzene	9.571	91	728601	54.849	ug/L	99
53) m,p-Xylene	9.697	106	294642	56.207	ug/L	100
54) o-Xylene	10.102	106	298893	56.599	ug/L	99
55) Styrene	10.115	104	511400	56.845	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	385426	53.549	ug/L	99
59) Bromoform	10.291	173	176613	51.211	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	284139	51.254	ug/L	99
61) Isopropylbenzene	10.484	105	752248	56.616	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	395627	56.493	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	623359	57.896	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	403843	54.213	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	399752	52.565	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	430640	54.878	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.999	75	77337	52.258	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	312123	56.388	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	251983	57.623	ug/L	100
71) Naphthalene	14.089	128	743162	59.383	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	266057	59.367	ug/L	99

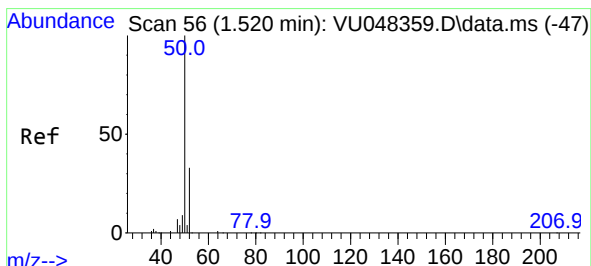
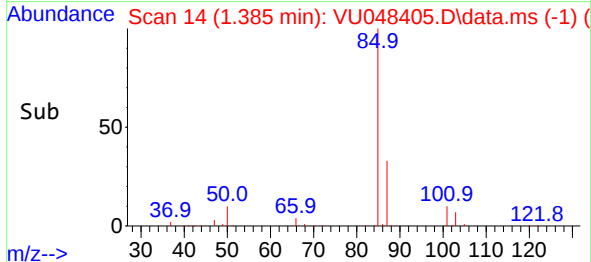
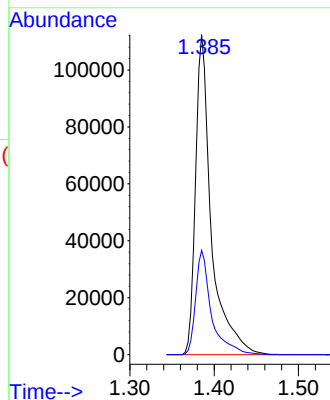
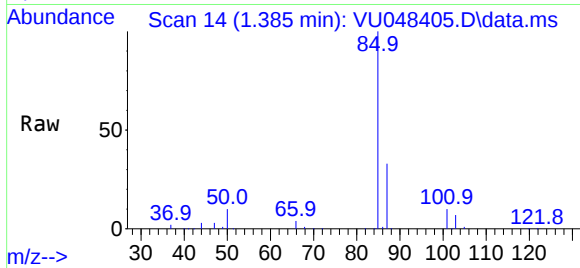
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#2
Dichlorodifluoromethane
Concen: 47.178 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

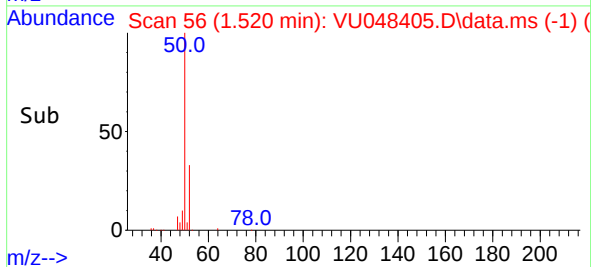
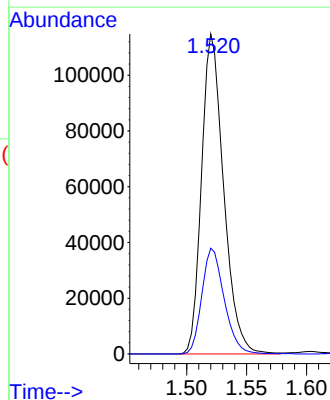
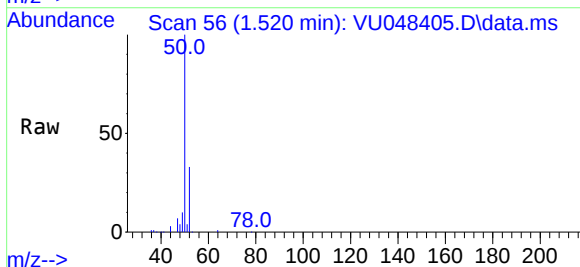
Instrument :
MSVOA_U
ClientSampleId :
VSTD050113

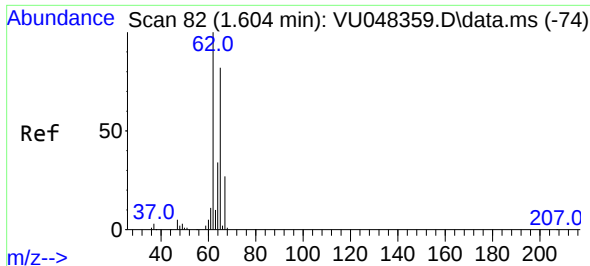
Tgt Ion: 85 Resp: 145869
Ion Ratio Lower Upper
85 100
87 32.7 26.1 39.1



#3
Chloromethane
Concen: 41.588 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Tgt Ion: 50 Resp: 147175
Ion Ratio Lower Upper
50 100
52 33.0 23.2 43.2

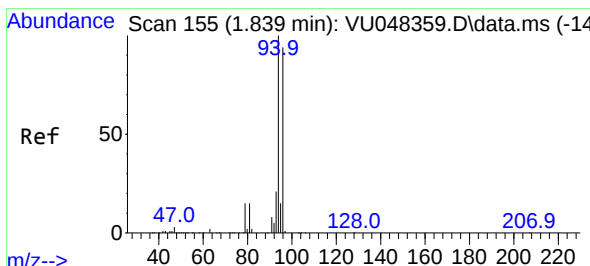
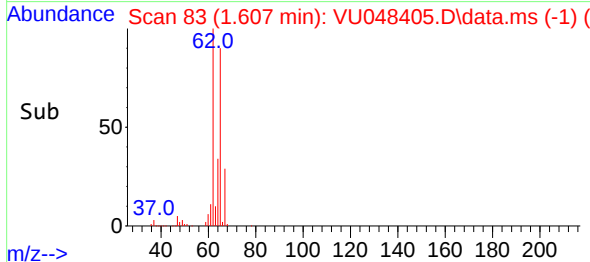
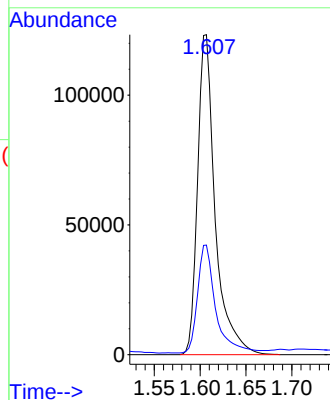
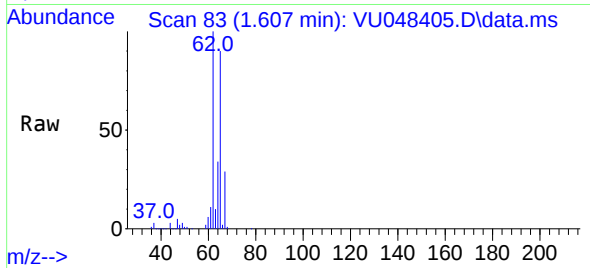




#5
 Vinyl chloride
 Concen: 46.142 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU048405.D
 Acq: 04 May 2022 09:34

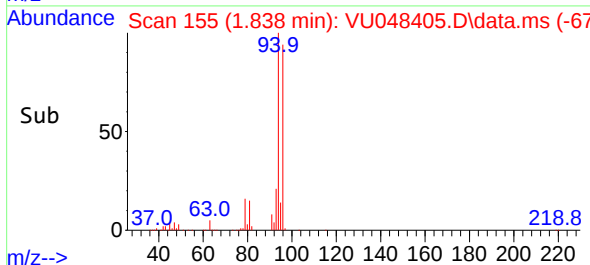
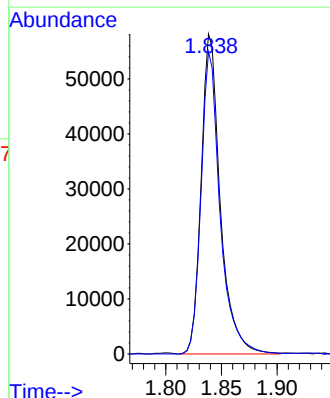
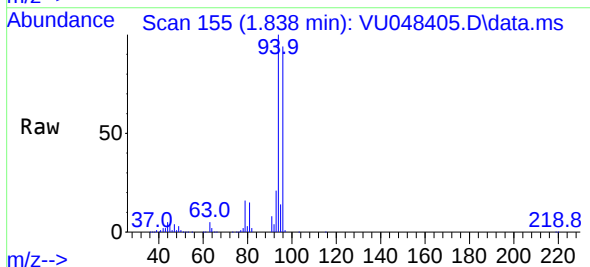
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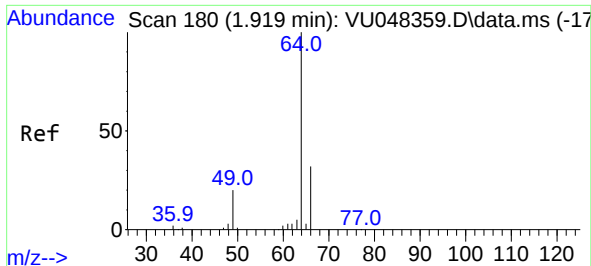
Tgt Ion: 62 Resp: 164550
 Ion Ratio Lower Upper
 62 100
 64 34.3 22.5 41.7



#6
 Bromomethane
 Concen: 42.416 ug/L
 RT: 1.838 min Scan# 155
 Delta R.T. -0.016 min
 Lab File: VU048405.D
 Acq: 04 May 2022 09:34

Tgt Ion: 94 Resp: 69519
 Ion Ratio Lower Upper
 94 100
 96 94.5 65.8 122.2

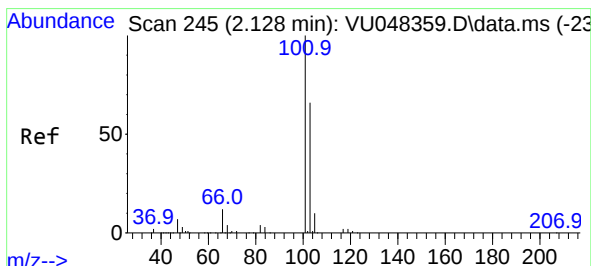
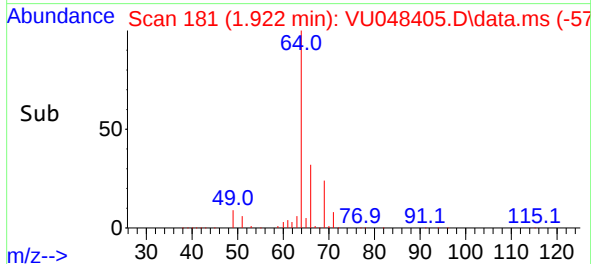
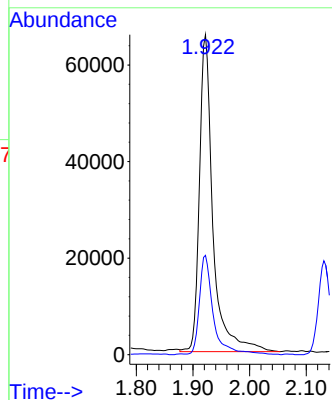
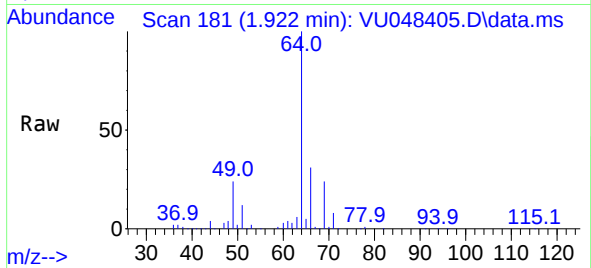




#8
Chloroethane
Concen: 53.734 ug/L
RT: 1.922 min Scan# 181
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

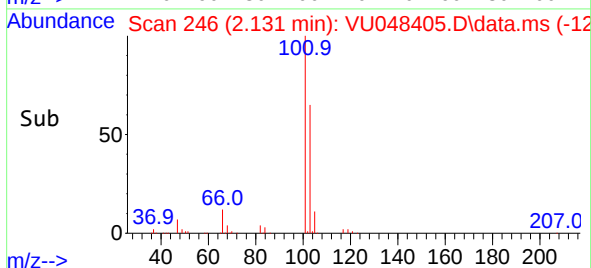
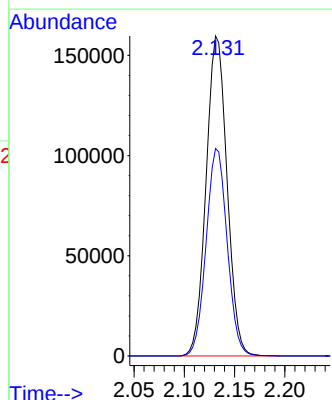
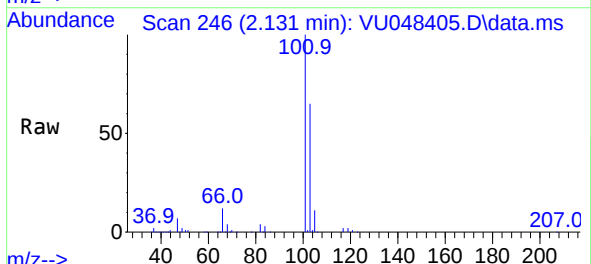
Instrument :
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ClientSampleId :
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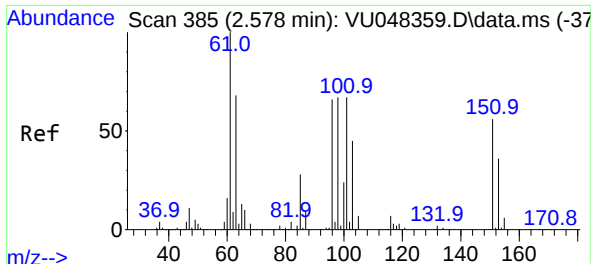
Tgt Ion: 64 Resp: 108351
Ion Ratio Lower Upper
64 100
66 31.0 21.9 40.7



#9
Trichlorofluoromethane
Concen: 49.808 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Tgt Ion:101 Resp: 231484
Ion Ratio Lower Upper
101 100
103 65.2 51.9 77.9

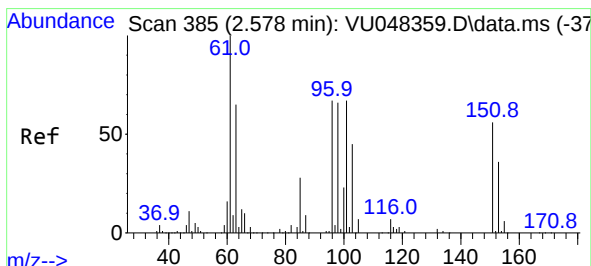
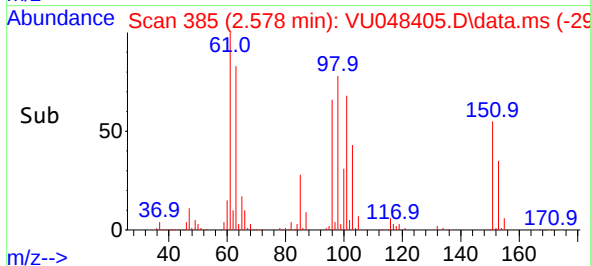
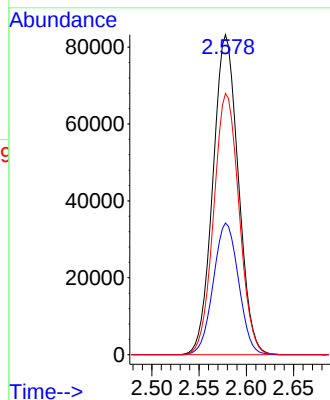
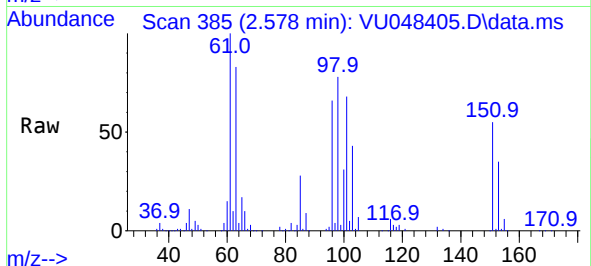




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 50.437 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

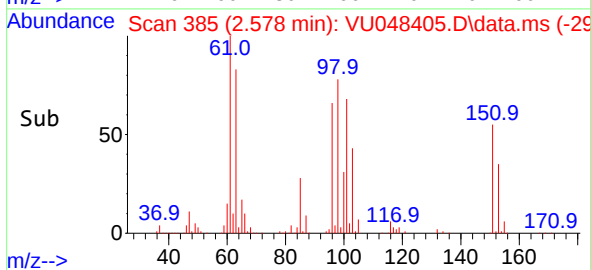
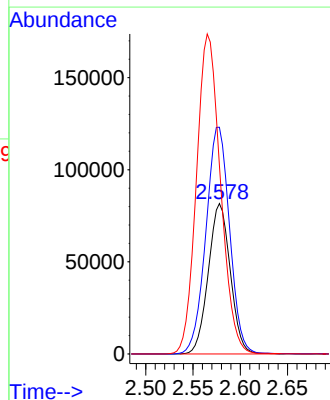
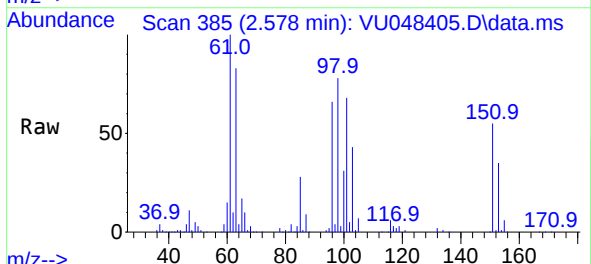
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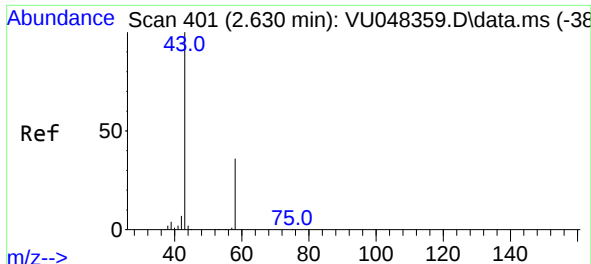
Tgt Ion:101 Resp: 155466
Ion Ratio Lower Upper
101 100
85 41.0 32.6 48.8
151 81.7 64.1 96.1



#12
1,1-Dichloroethene
Concen: 48.997 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Tgt Ion: 96 Resp: 131831
Ion Ratio Lower Upper
96 100
61 150.8 107.9 200.3
63 125.5 80.3 149.1





#13

Acetone

Concen: 121.535 ug/L

RT: 2.629 min Scan# 401

Delta R.T. -0.006 min

Lab File: VU048405.D

Acq: 04 May 2022 09:34

Instrument :

MSVOA_U

ClientSampleId :

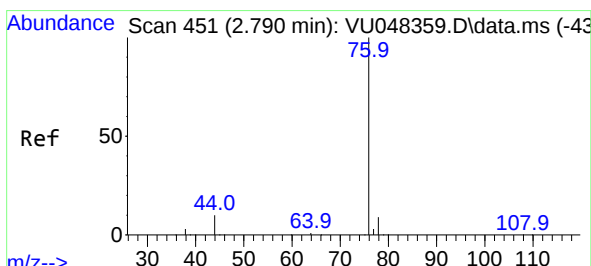
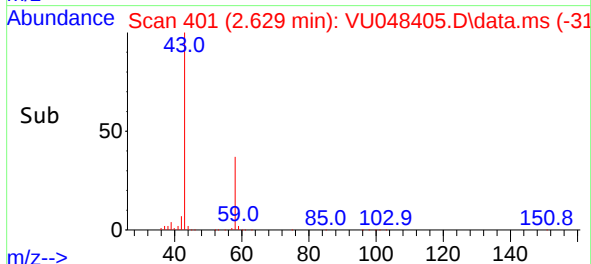
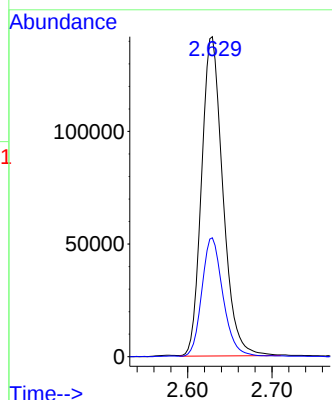
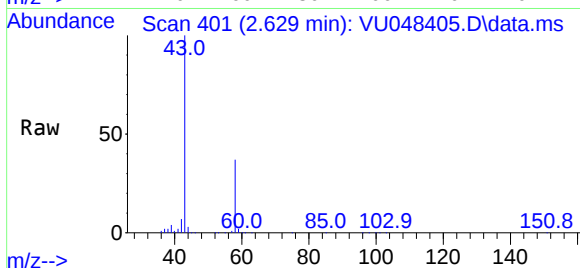
VSTD050113

Tgt Ion: 43 Resp: 250394

Ion Ratio Lower Upper

43 100

58 36.6 0.0 71.2



#14

Carbon disulfide

Concen: 39.021 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU048405.D

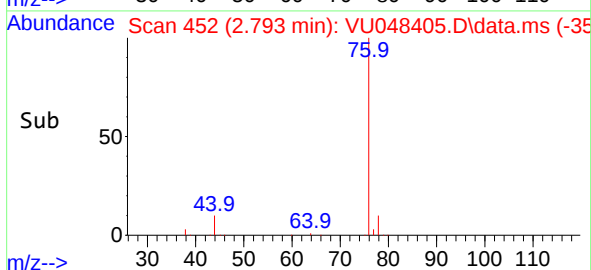
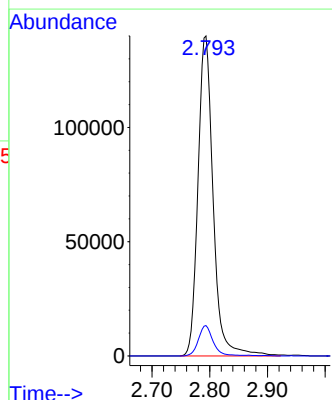
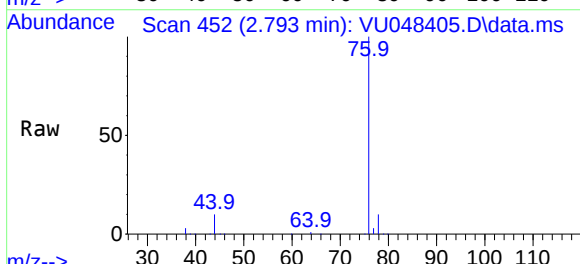
Acq: 04 May 2022 09:34

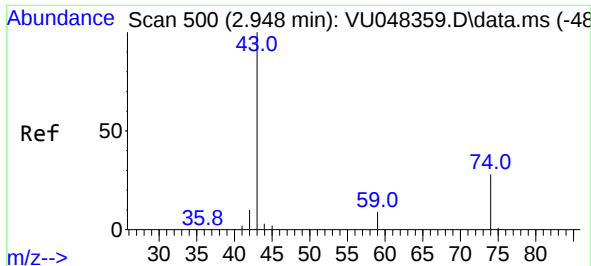
Tgt Ion: 76 Resp: 255880

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2

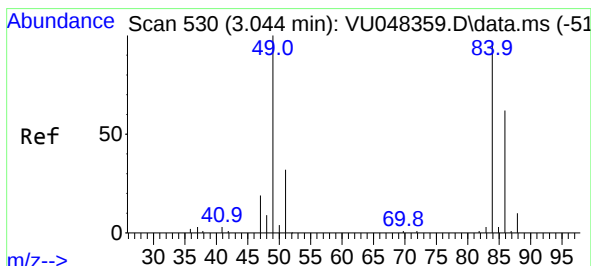
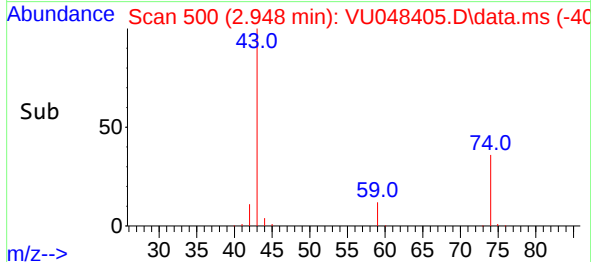
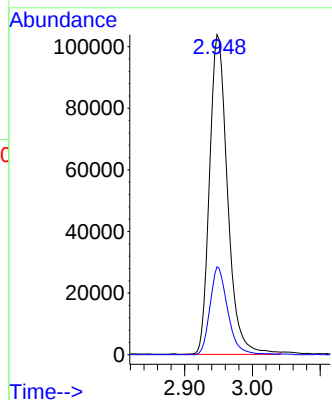
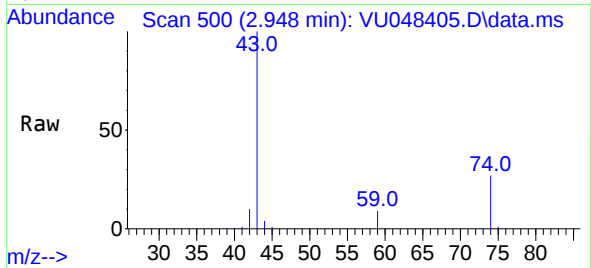




#15
Methyl Acetate
Concen: 46.818 ug/L
RT: 2.948 min Scan# 500
Delta R.T. -0.003 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

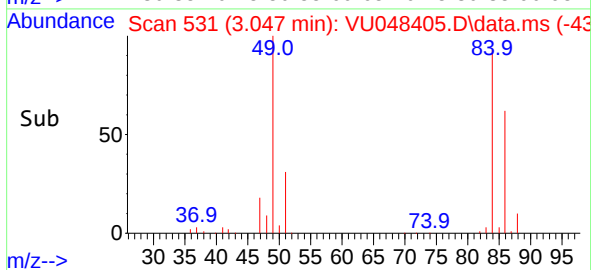
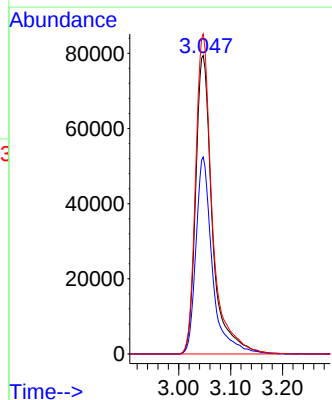
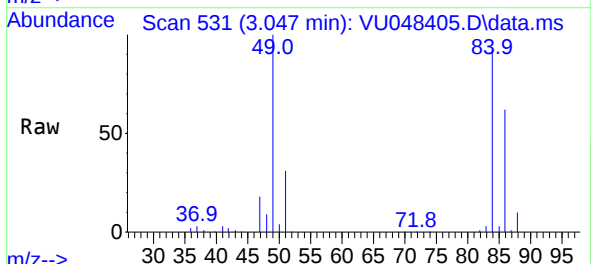
Instrument :
MSVOA_U
ClientSampleId :
VSTD050113

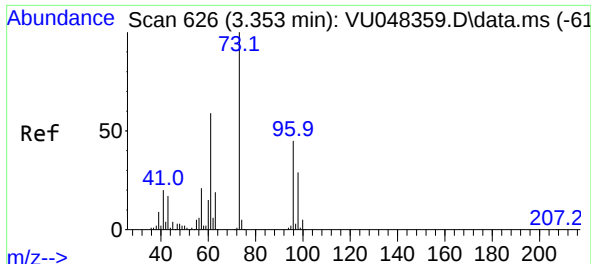
Tgt Ion: 43 Resp: 191474
Ion Ratio Lower Upper
43 100
74 26.9 21.0 31.6



#16
Methylene chloride
Concen: 51.164 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Tgt Ion: 84 Resp: 177478
Ion Ratio Lower Upper
84 100
86 66.0 45.4 84.2
49 107.2 79.2 147.0

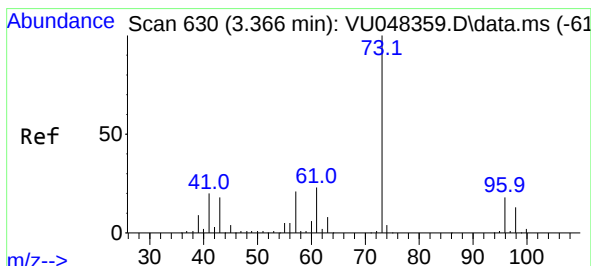
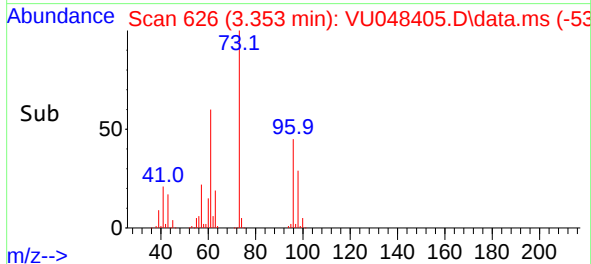
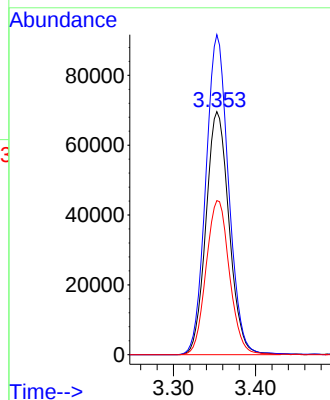
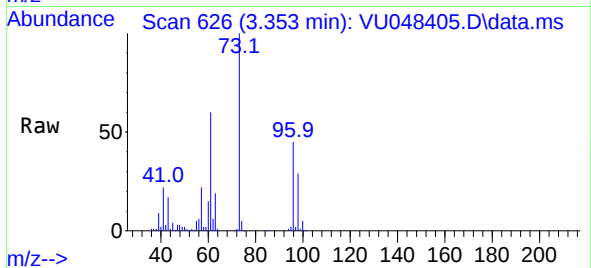




#17
trans-1,2-Dichloroethene
Concen: 48.804 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

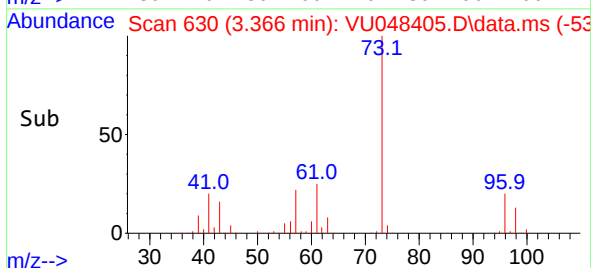
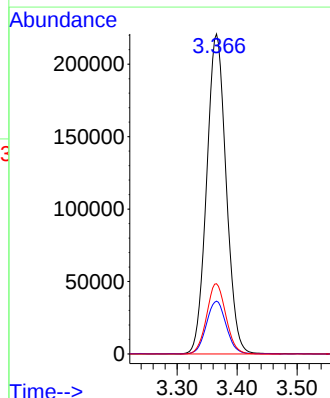
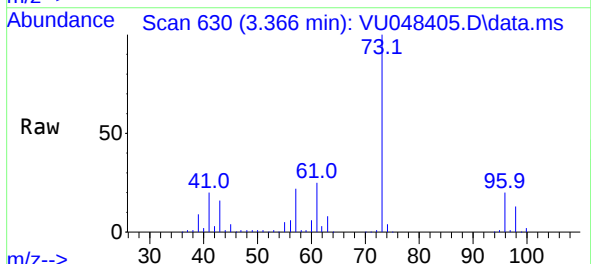
Instrument :
MSVOA_U
ClientSampleId :
VSTD050113

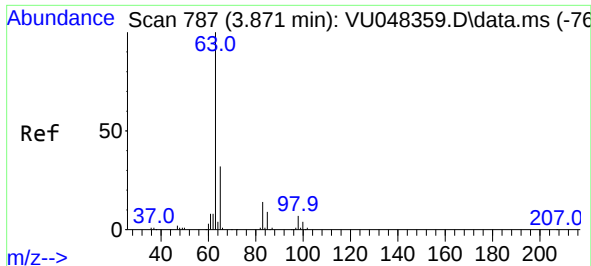
Tgt Ion: 96 Resp: 136412
Ion Ratio Lower Upper
96 100
61 131.6 95.2 176.8
98 63.4 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 54.076 ug/L
RT: 3.366 min Scan# 630
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Tgt Ion: 73 Resp: 498706
Ion Ratio Lower Upper
73 100
43 16.7 13.8 20.6
57 21.8 17.9 26.9

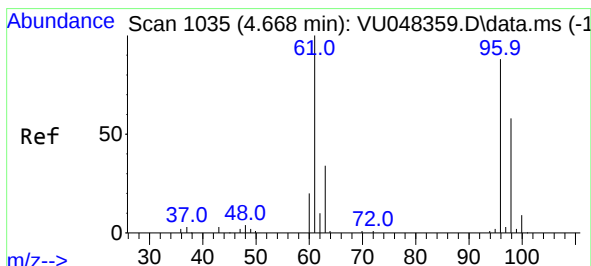
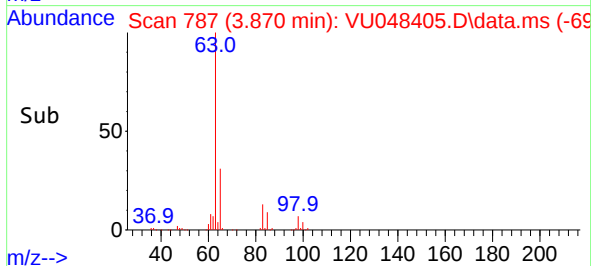
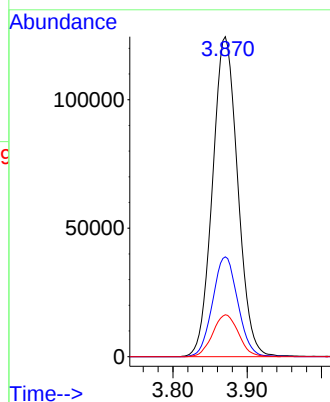
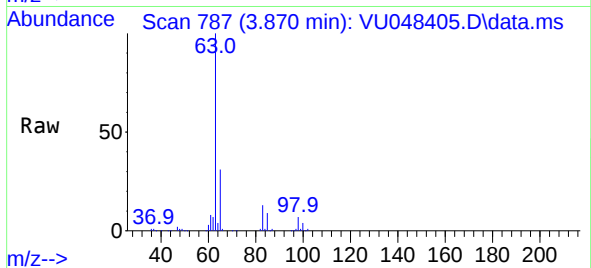




#19
1,1-Dichloroethane
Concen: 50.198 ug/L
RT: 3.870 min Scan# 787
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

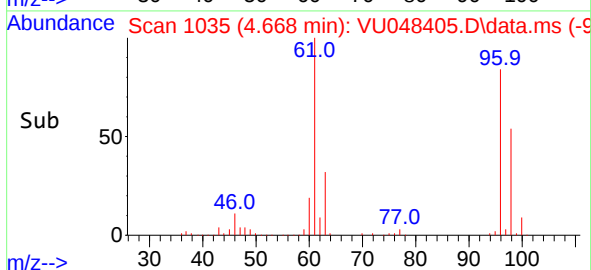
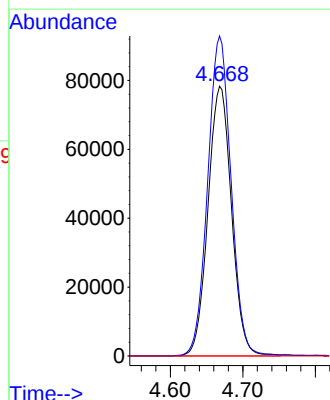
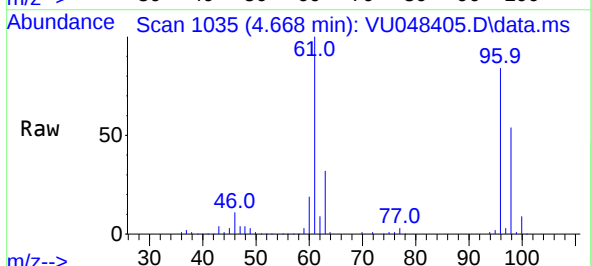
Instrument :
MSVOA_U
ClientSampleId :
VSTD050113

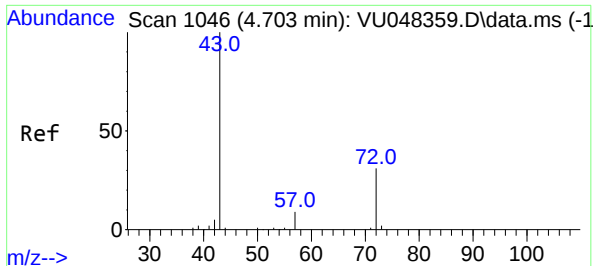
Tgt Ion: 63 Resp: 293405
Ion Ratio Lower Upper
63 100
65 31.2 22.0 40.8
83 13.1 8.8 16.4



#20
cis-1,2-Dichloroethene
Concen: 52.437 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Tgt Ion: 96 Resp: 176671
Ion Ratio Lower Upper
96 100
61 118.7 87.0 161.6
68 0.0 0.0 0.0

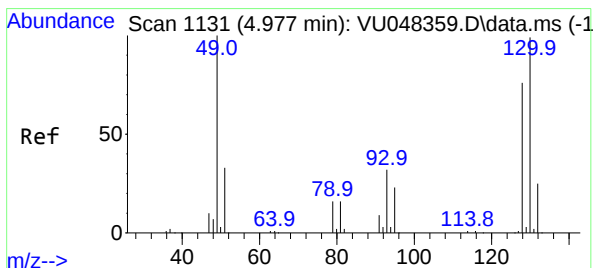
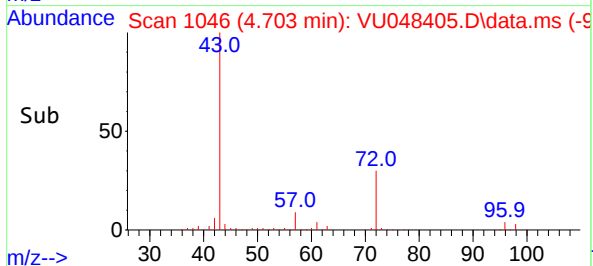
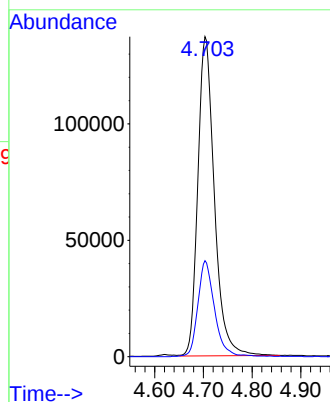
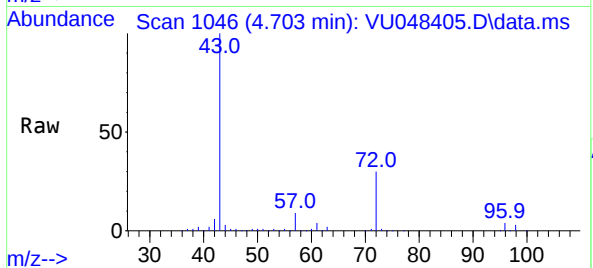




#22
2-Butanone
Concen: 105.988 ug/L
RT: 4.703 min Scan# 1046
Delta R.T. -0.006 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

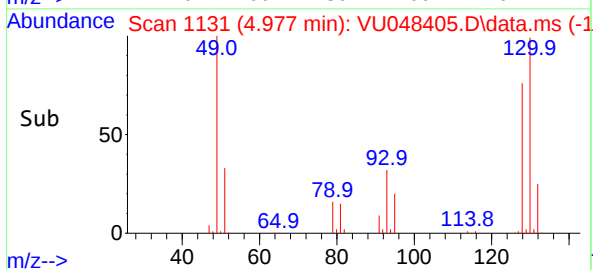
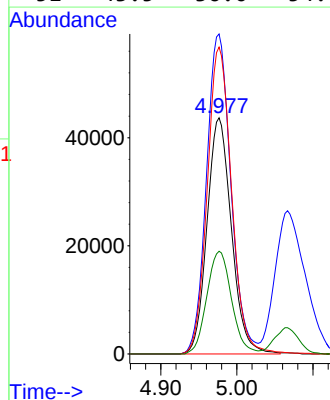
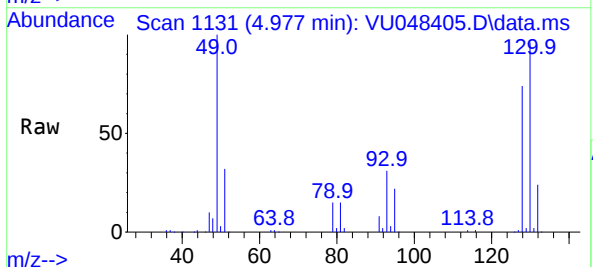
Instrument :
MSVOA_U
ClientSampleId :
VSTD050113

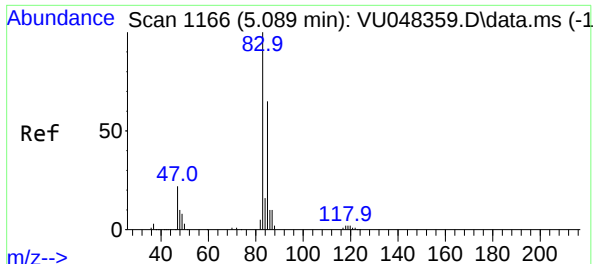
Tgt Ion: 43 Resp: 322900
Ion Ratio Lower Upper
43 100
72 29.8 14.6 43.8



#23
Bromochloromethane
Concen: 51.768 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Tgt Ion:128 Resp: 97378
Ion Ratio Lower Upper
128 100
49 135.5 101.3 188.1
130 130.0 89.0 165.2
51 43.5 36.0 54.0





#25

Chloroform

Concen: 52.222 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU048405.D

Acq: 04 May 2022 09:34

Instrument :

MSVOA_U

ClientSampleId :

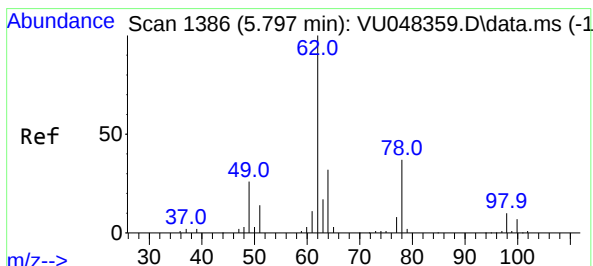
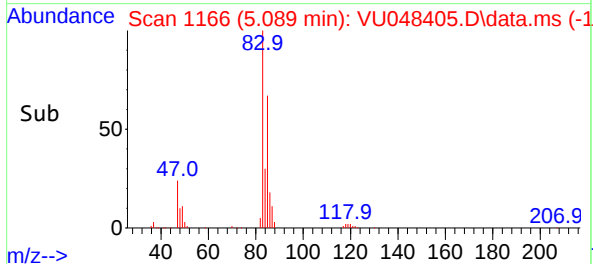
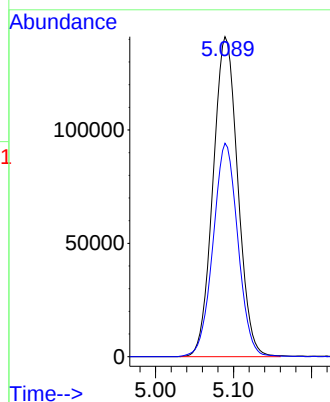
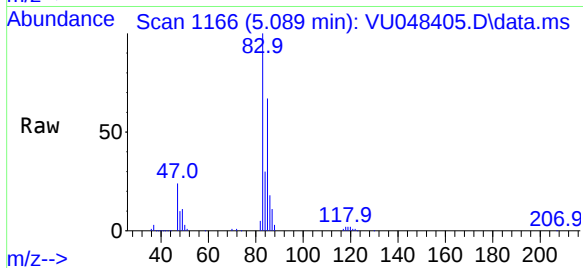
VSTD050113

Tgt Ion: 83 Resp: 311693

Ion Ratio Lower Upper

83 100

85 66.7 45.7 84.9



#27

1,2-Dichloroethane

Concen: 49.839 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU048405.D

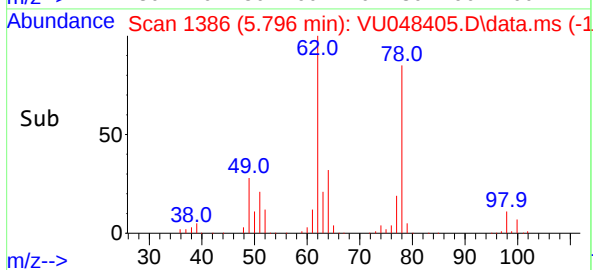
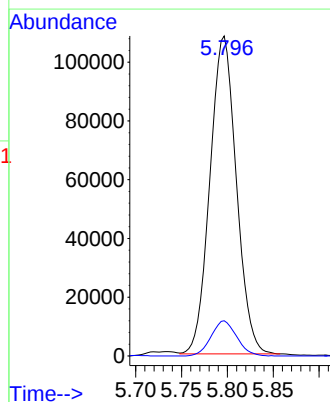
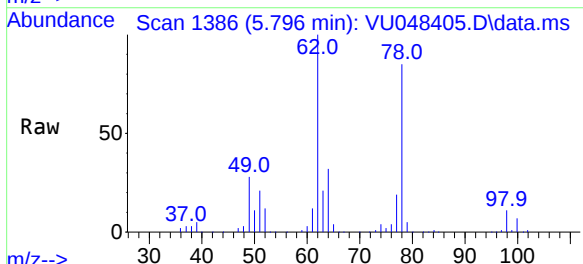
Acq: 04 May 2022 09:34

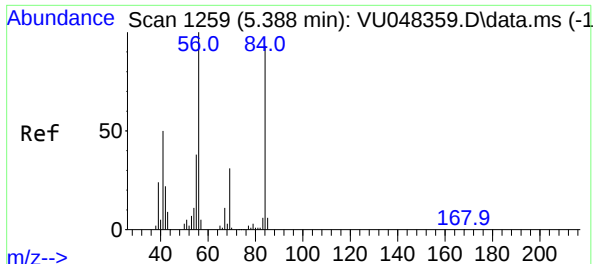
Tgt Ion: 62 Resp: 216974

Ion Ratio Lower Upper

62 100

98 11.0 8.5 12.7





#29

Cyclohexane

Concen: 49.359 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU048405.D

Acq: 04 May 2022 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD050113

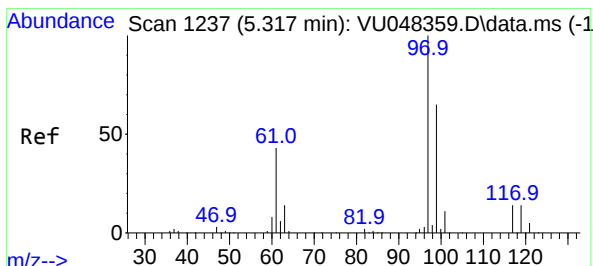
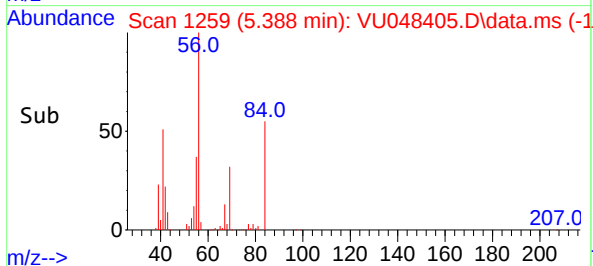
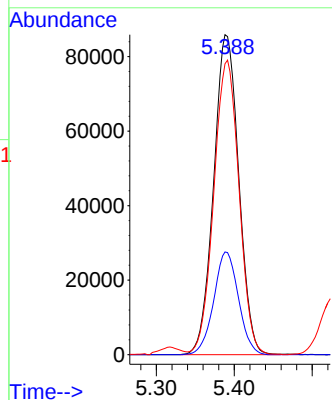
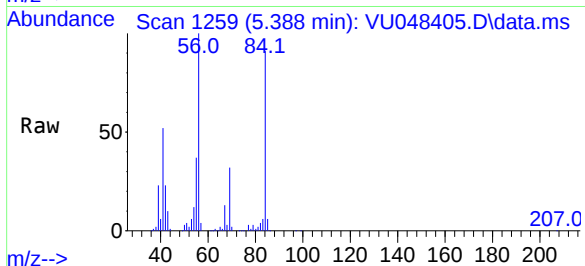
Tgt Ion: 56 Resp: 192438

Ion Ratio Lower Upper

56 100

69 31.6 24.2 36.4

84 92.5 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 54.425 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.000 min

Lab File: VU048405.D

Acq: 04 May 2022 09:34

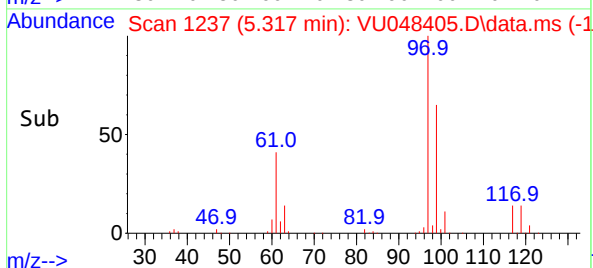
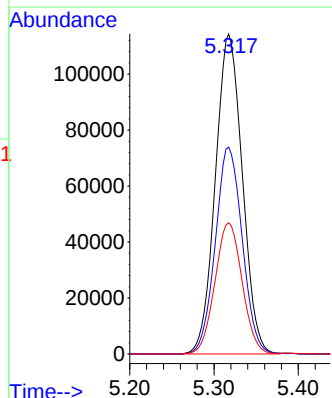
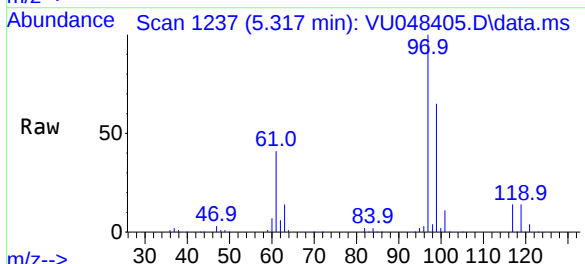
Tgt Ion: 97 Resp: 253962

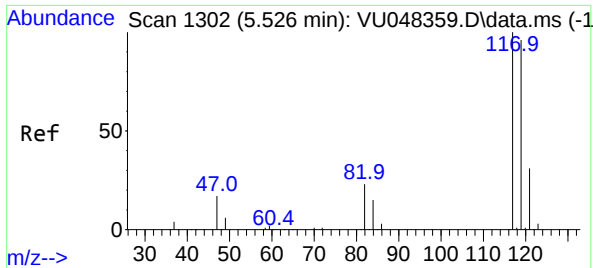
Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.8

61 41.4 33.9 50.9

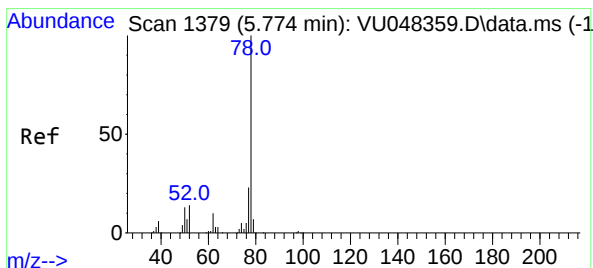
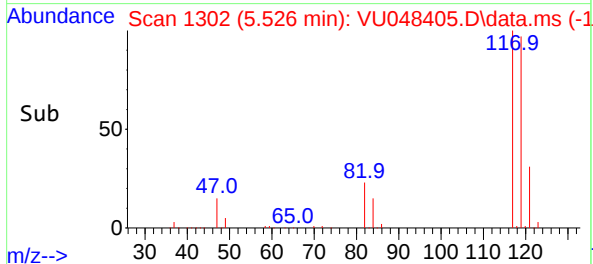
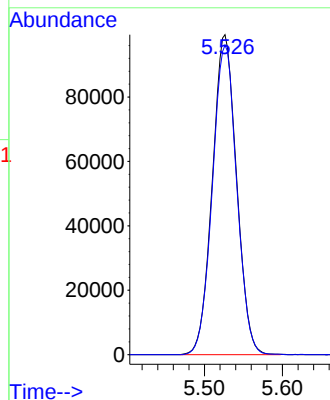
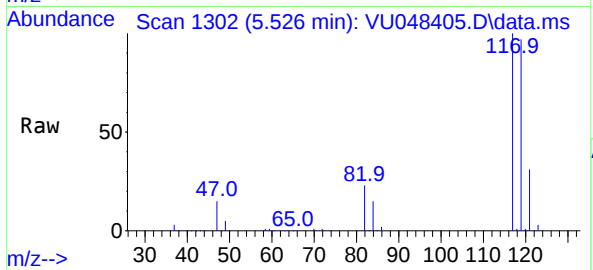




#31
Carbon tetrachloride
Concen: 53.826 ug/L
RT: 5.526 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

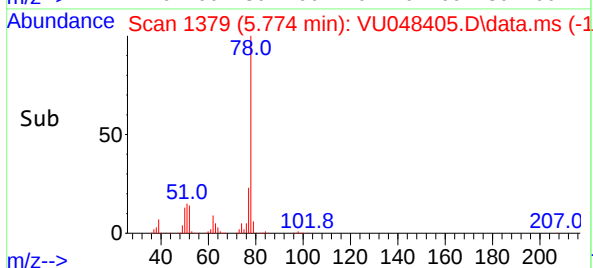
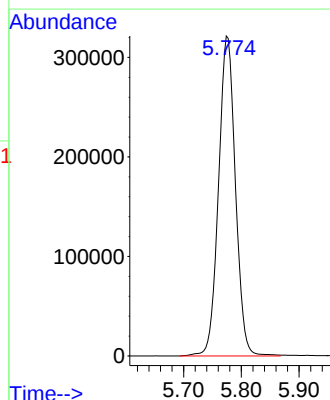
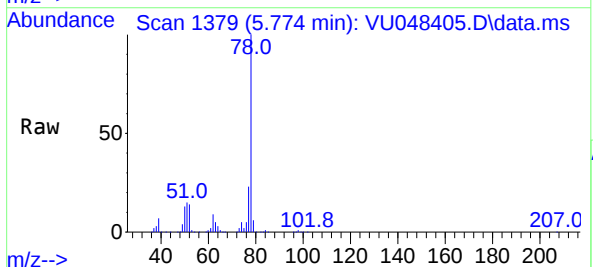
Instrument :
MSVOA_U
ClientSampleId :
VSTD050113

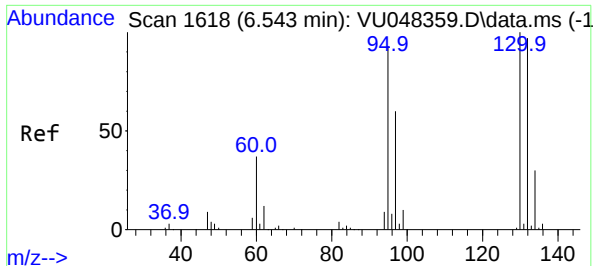
Tgt Ion:117 Resp: 214074
Ion Ratio Lower Upper
117 100
119 97.3 77.1 115.7



#33
Benzene
Concen: 53.493 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Tgt Ion: 78 Resp: 653534

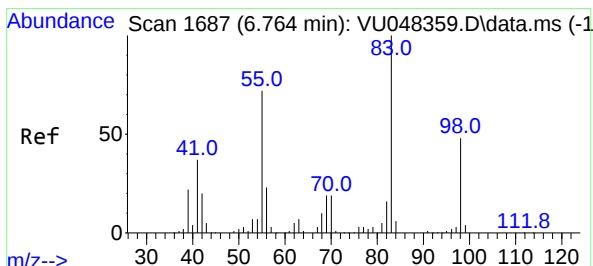
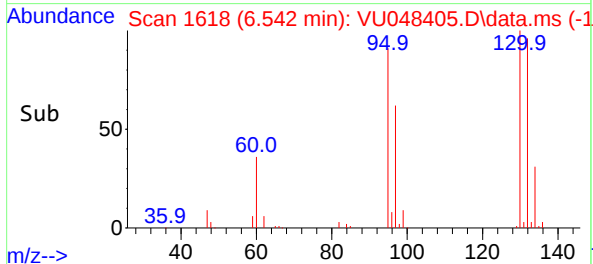
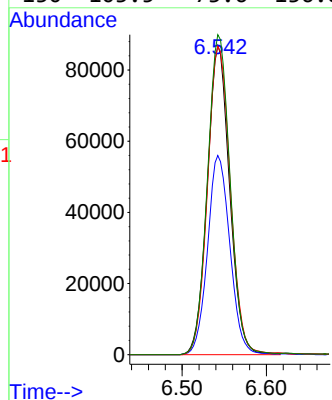
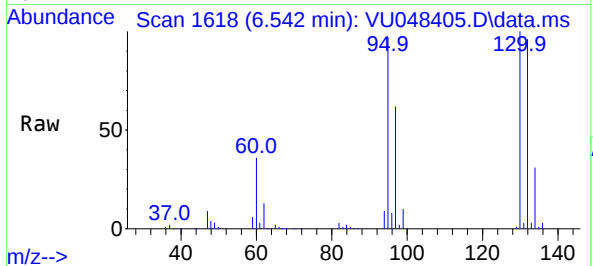




#34
Trichloroethene
Concen: 53.573 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

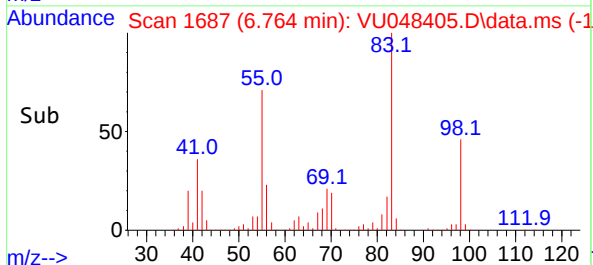
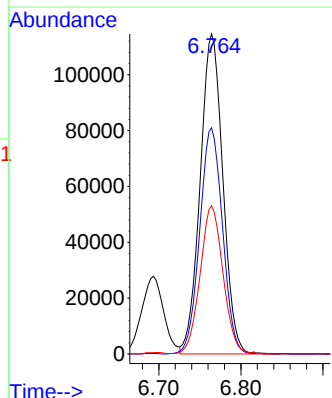
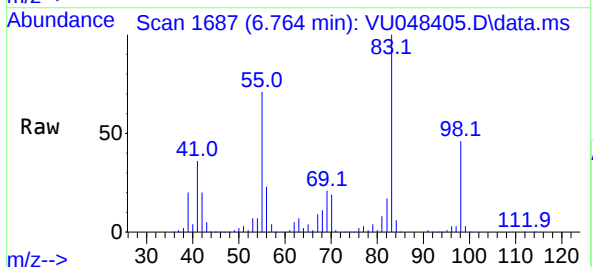
Instrument :
MSVOA_U
ClientSampleId :
VSTD050113

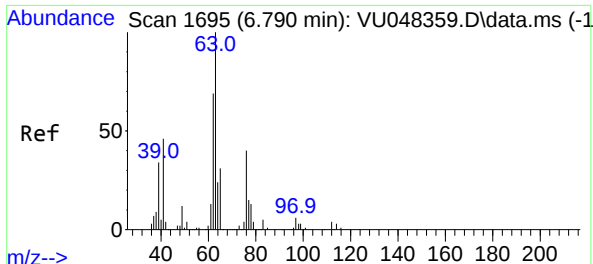
Tgt Ion: 95 Resp: 160428
Ion Ratio Lower Upper
95 100
97 64.5 45.8 85.2
132 99.7 71.6 133.0
130 103.5 73.6 136.8



#35
Methylcyclohexane
Concen: 52.273 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Tgt Ion: 83 Resp: 219770
Ion Ratio Lower Upper
83 100
55 71.0 59.4 89.2
98 46.7 37.3 55.9

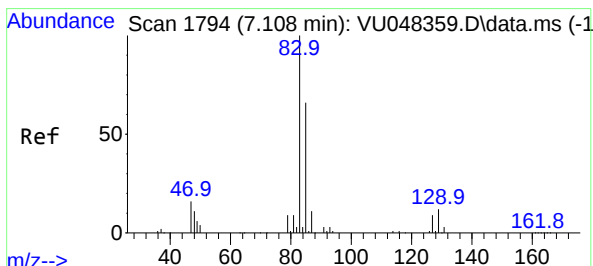
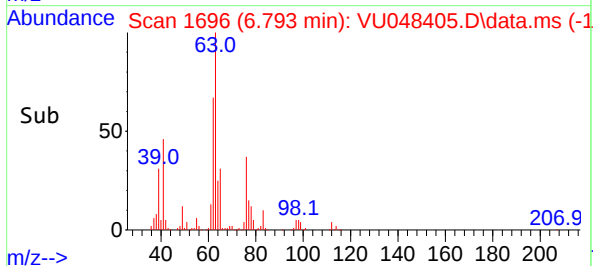
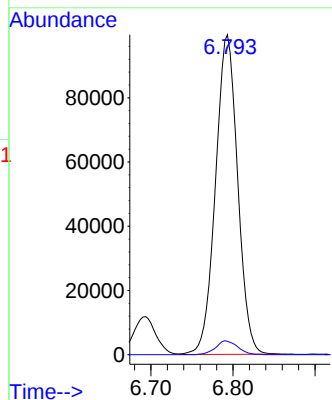
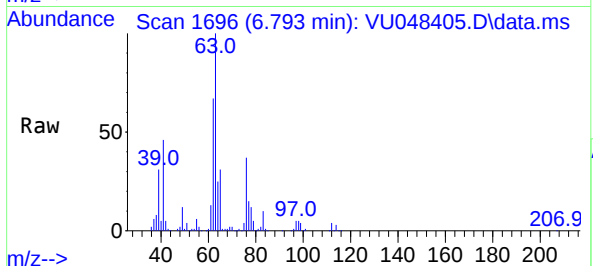




#37
1,2-Dichloropropane
Concen: 53.725 ug/L
RT: 6.793 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

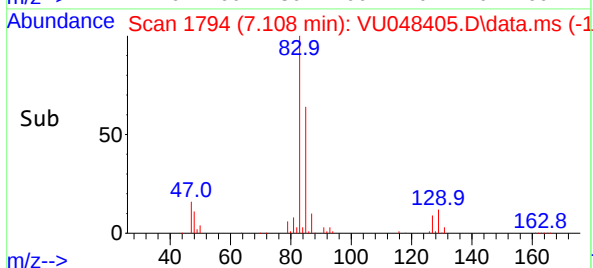
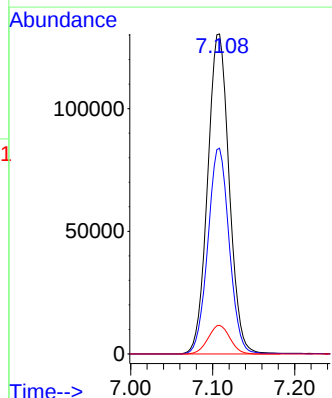
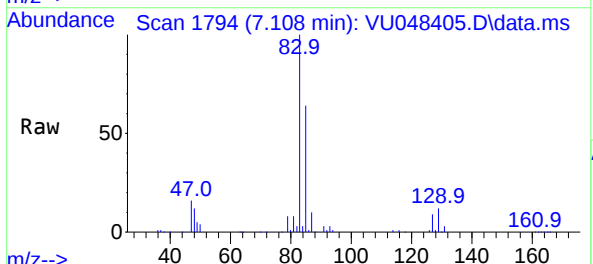
Instrument :
MSVOA_U
ClientSampleId :
VSTD050113

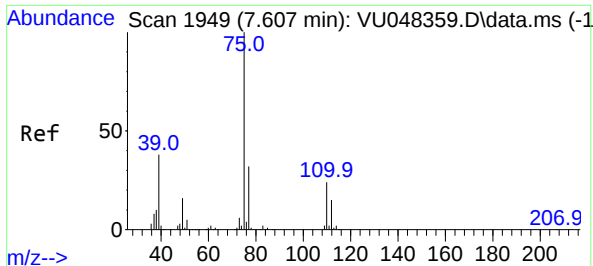
Tgt Ion: 63 Resp: 186749
Ion Ratio Lower Upper
63 100
112 4.3 3.1 4.7



#38
Bromodichloromethane
Concen: 54.244 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Tgt Ion: 83 Resp: 238117
Ion Ratio Lower Upper
83 100
85 64.3 45.3 84.1
127 8.9 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 53.060 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU048405.D

Acq: 04 May 2022 09:34

Instrument :

MSVOA_U

ClientSampleId :

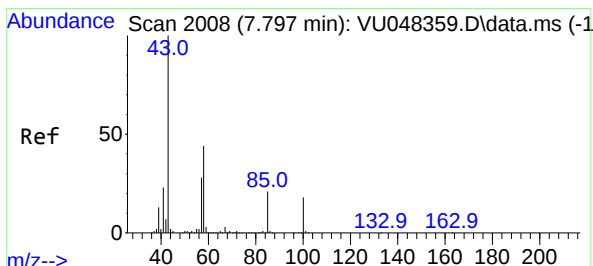
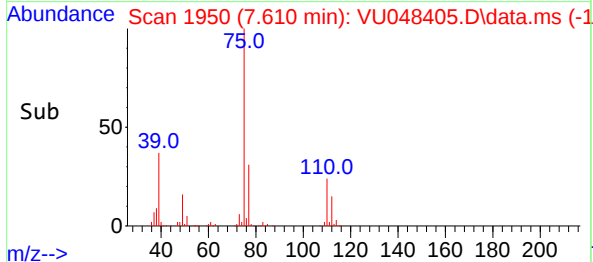
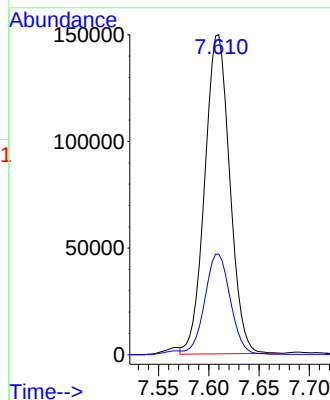
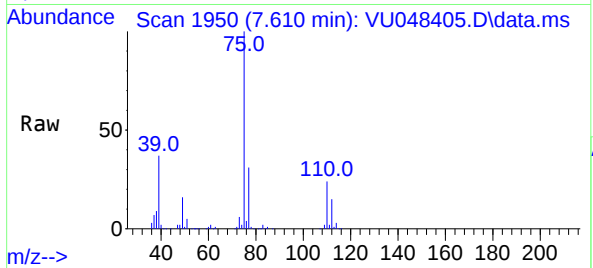
VSTD050113

Tgt Ion: 75 Resp: 259348

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 104.183 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU048405.D

Acq: 04 May 2022 09:34

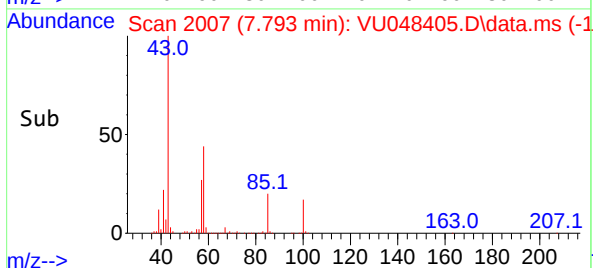
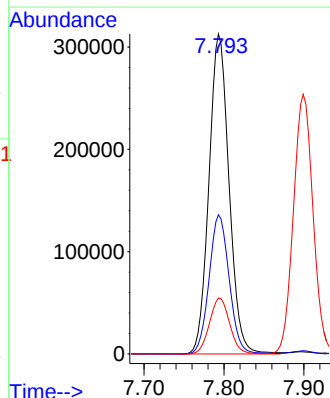
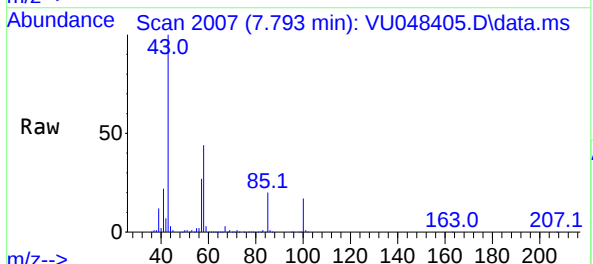
Tgt Ion: 43 Resp: 546201

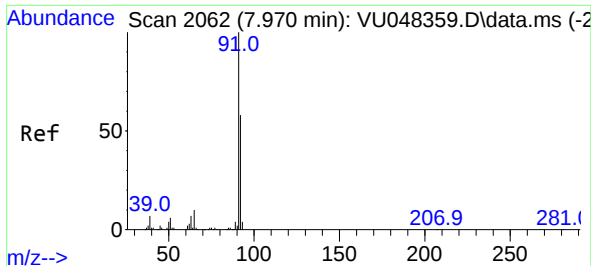
Ion Ratio Lower Upper

43 100

58 43.5 34.4 51.6

100 17.5 13.6 20.4

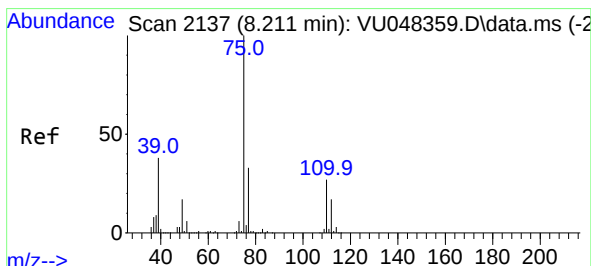
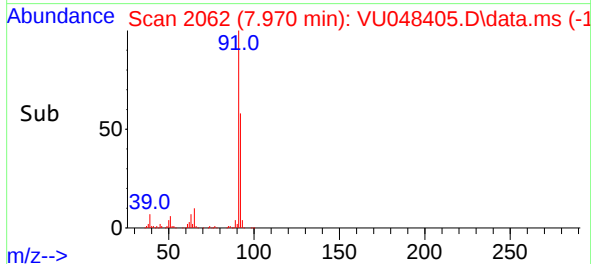
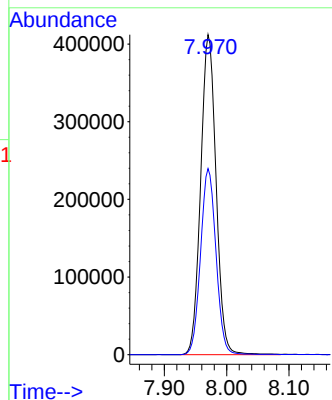
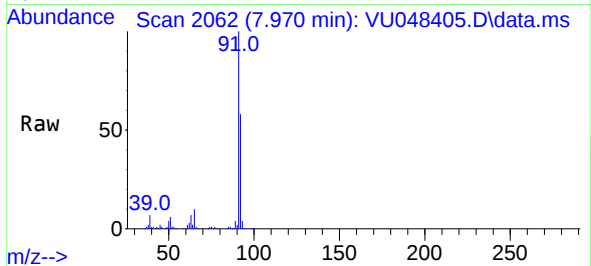




#42
Toluene
Concen: 55.200 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

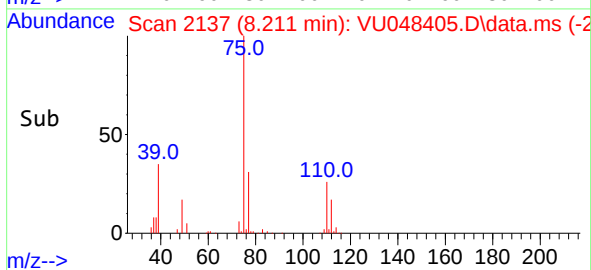
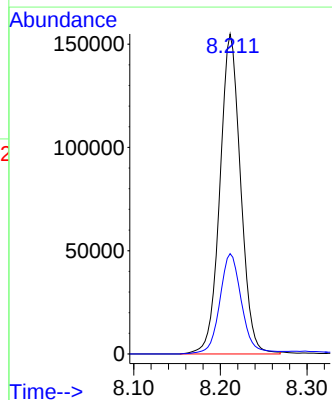
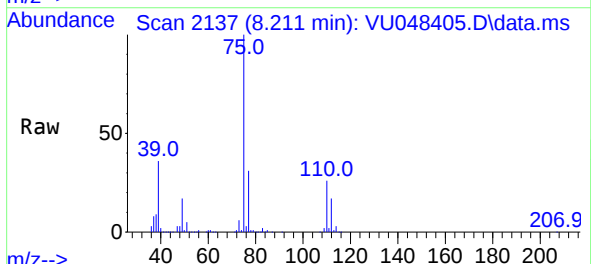
Instrument :
MSVOA_U
ClientSampleId :
VSTD050113

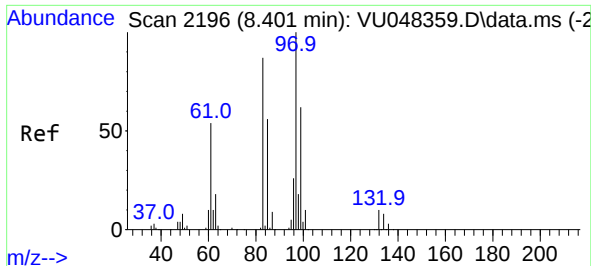
Tgt Ion: 91 Resp: 708032
Ion Ratio Lower Upper
91 100
92 58.2 40.9 76.0



#44
trans-1,3-Dichloropropene
Concen: 53.911 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Tgt Ion: 75 Resp: 257427
Ion Ratio Lower Upper
75 100
77 31.4 22.1 41.1



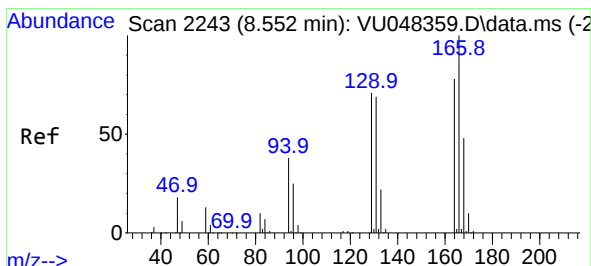
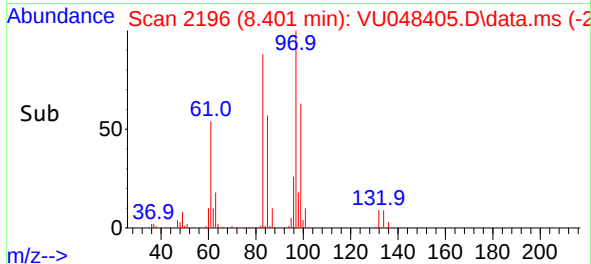
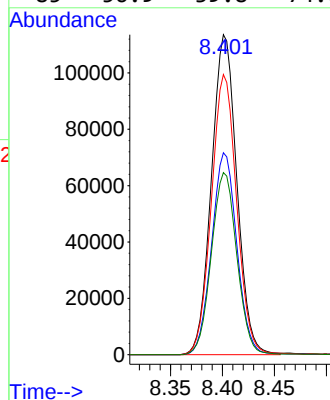
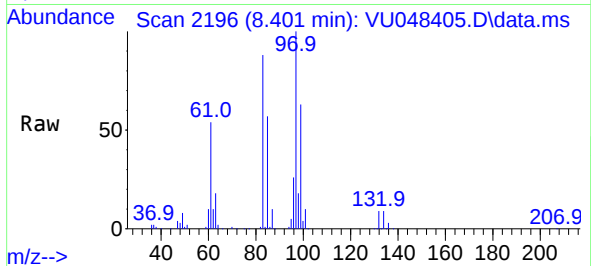


#45
1,1,2-Trichloroethane
Concen: 52.927 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD050113

Tgt Ion: 97 Resp: 193022

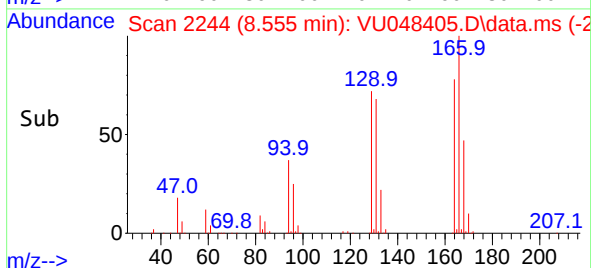
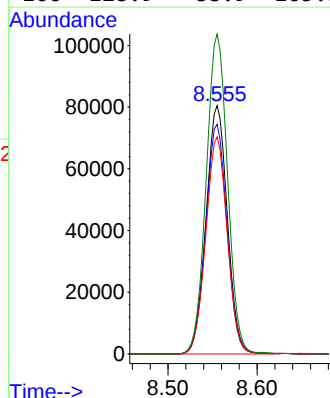
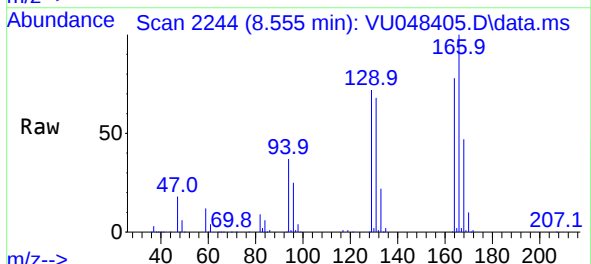
Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.7	81.1
83	87.5	62.6	116.2
85	56.9	39.8	74.0

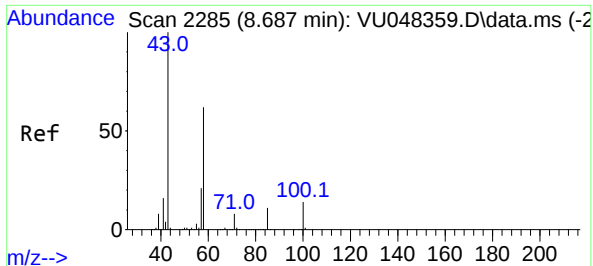


#46
Tetrachloroethene
Concen: 52.122 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Tgt Ion: 164 Resp: 133957

Ion	Ratio	Lower	Upper
164	100		
129	92.5	63.3	117.7
131	87.5	61.2	113.6
166	128.9	88.9	165.1



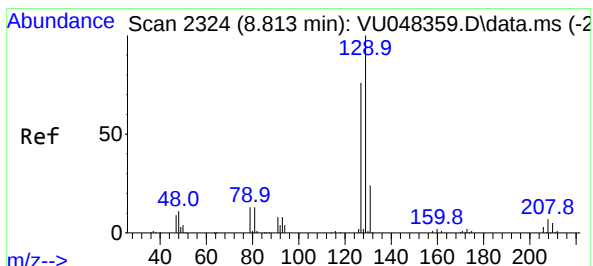
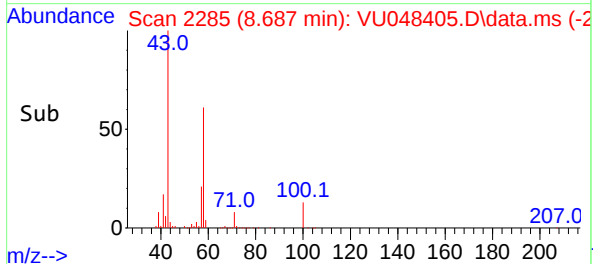
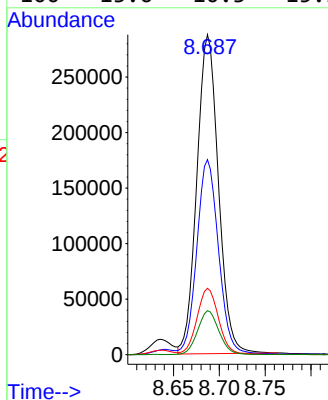
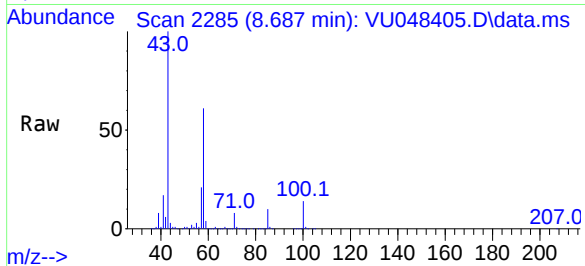


#48
2-Hexanone
Concen: 107.575 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD050113

Tgt Ion: 43 Resp: 470964

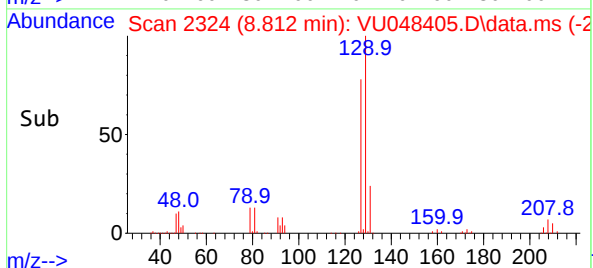
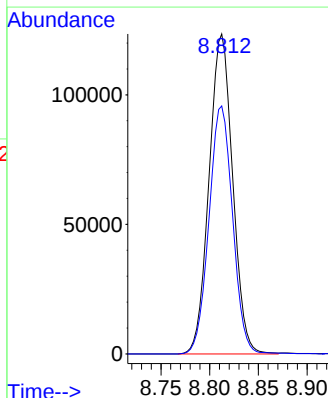
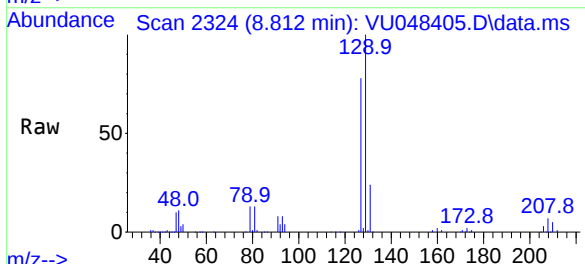
Ion	Ratio	Lower	Upper
43	100		
58	61.4	48.1	72.1
57	20.5	16.2	24.4
100	13.6	10.3	15.5

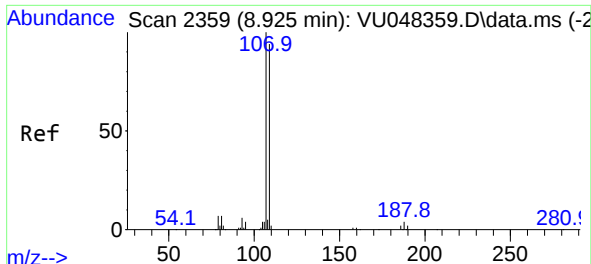


#49
Dibromochloromethane
Concen: 51.918 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Tgt Ion: 129 Resp: 208058

Ion	Ratio	Lower	Upper
129	100		
127	77.5	53.8	99.8





#50

1,2-Dibromoethane

Concen: 52.908 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU048405.D

Acq: 04 May 2022 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD050113

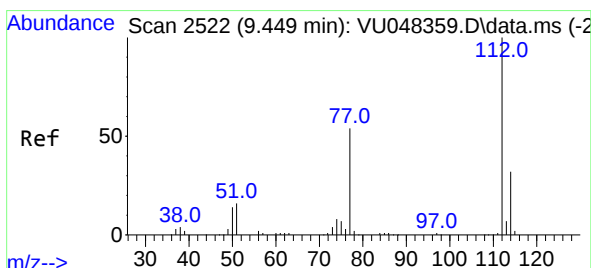
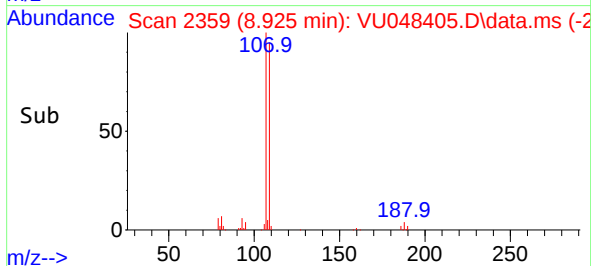
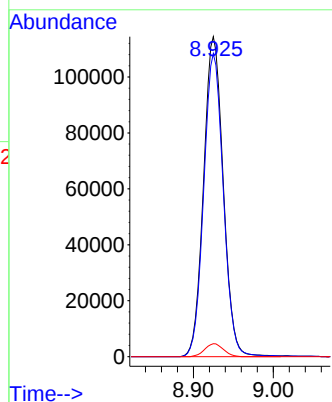
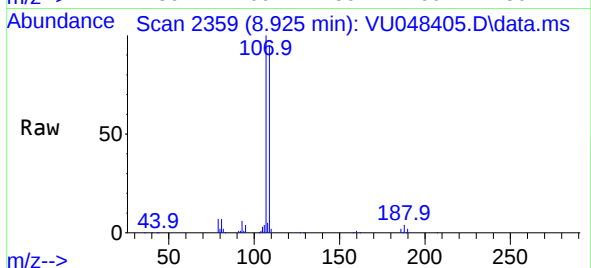
Tgt Ion:107 Resp: 195668

Ion Ratio Lower Upper

107 100

109 94.7 65.0 120.8

188 4.1 3.1 4.7



#51

Chlorobenzene

Concen: 51.871 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU048405.D

Acq: 04 May 2022 09:34

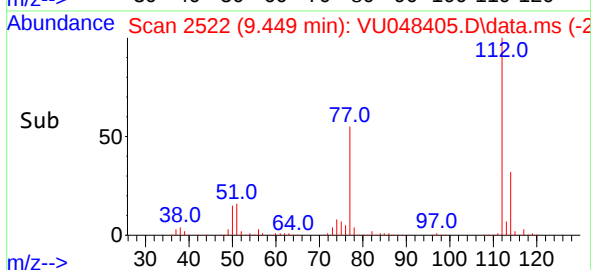
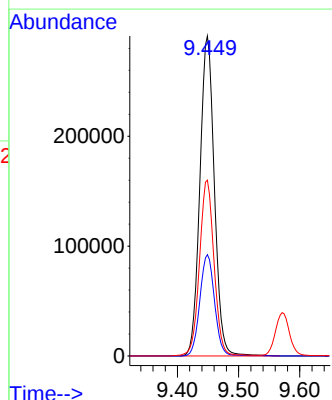
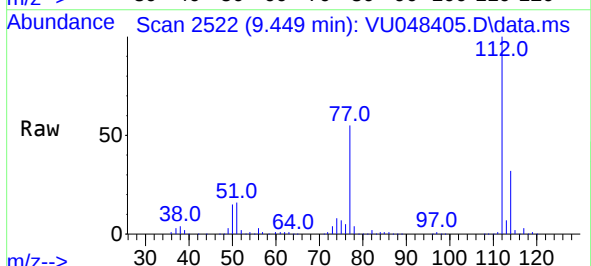
Tgt Ion:112 Resp: 479581

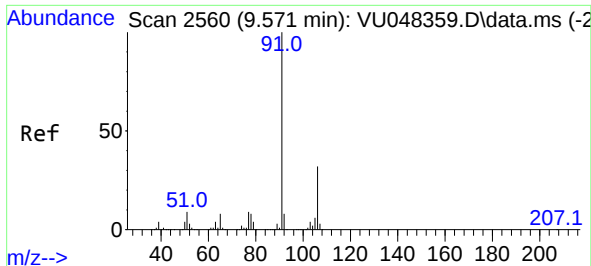
Ion Ratio Lower Upper

112 100

114 31.7 22.7 42.1

77 55.0 44.3 66.5

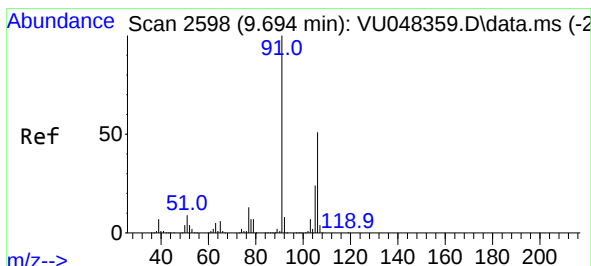
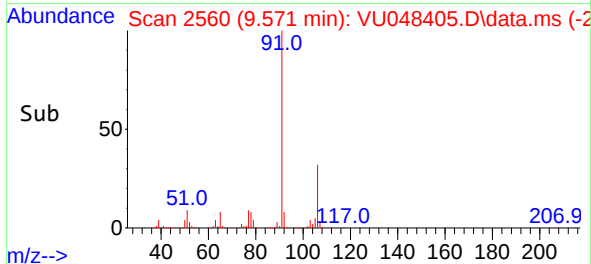
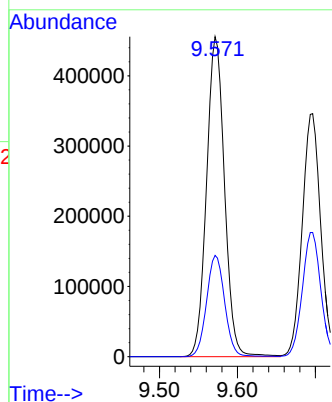
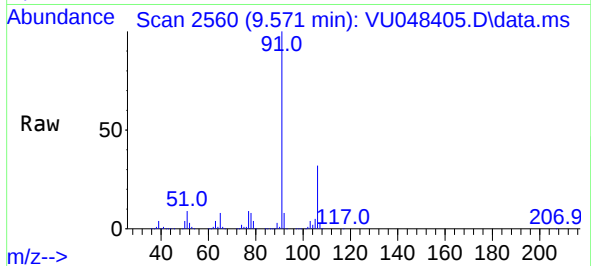




#52
Ethylbenzene
Concen: 54.849 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

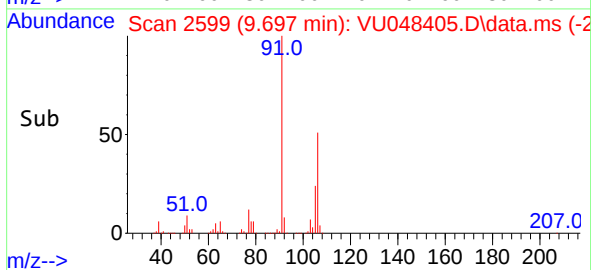
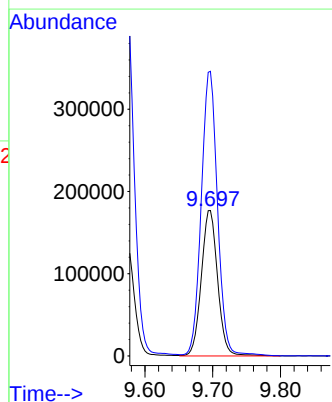
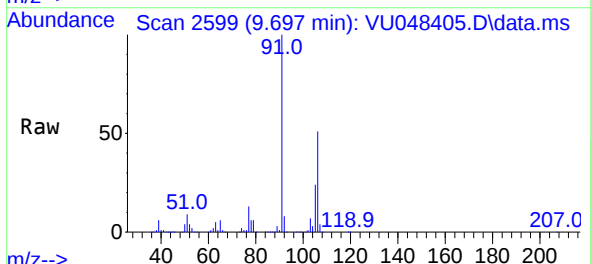
Instrument :
MSVOA_U
ClientSampleId :
VSTD050113

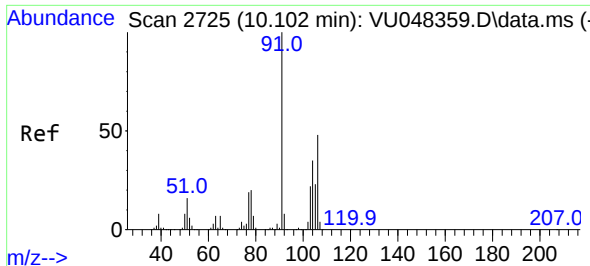
Tgt Ion: 91 Resp: 728601
Ion Ratio Lower Upper
91 100
106 31.7 22.5 41.9



#53
m,p-Xylene
Concen: 56.207 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Tgt Ion: 106 Resp: 294642
Ion Ratio Lower Upper
106 100
91 195.8 137.4 255.2

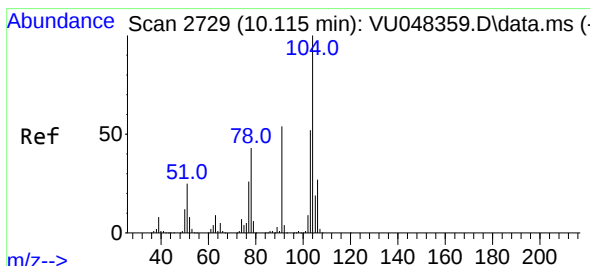
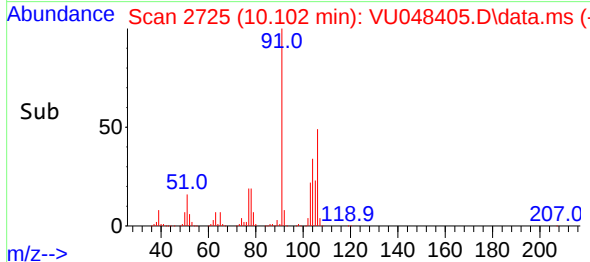
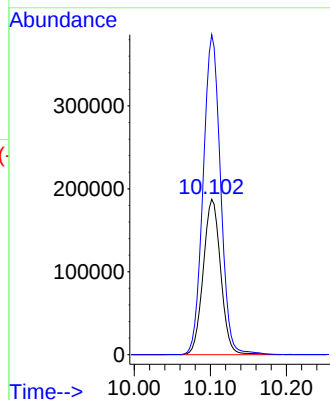
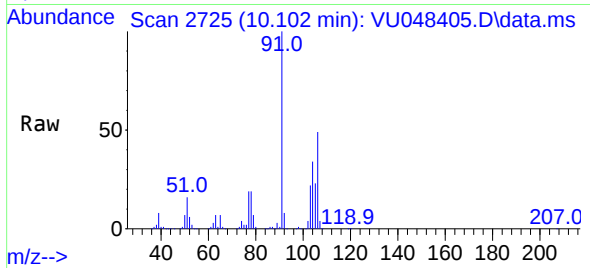




#54
o-Xylene
Concen: 56.599 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

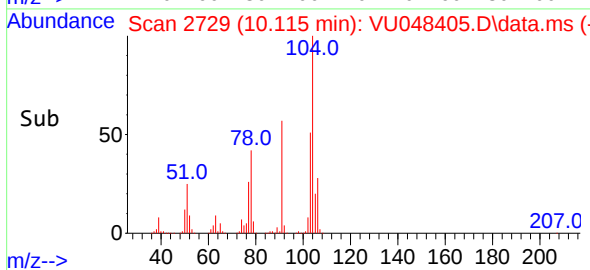
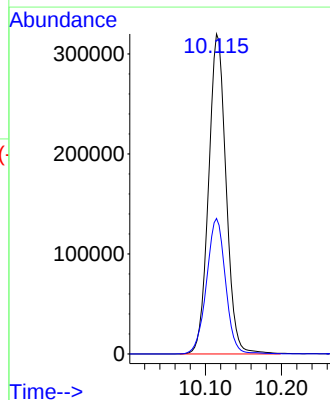
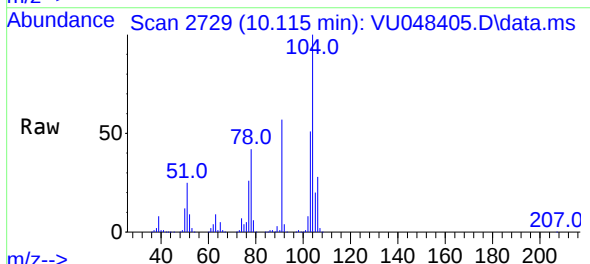
Instrument :
MSVOA_U
ClientSampleId :
VSTD050113

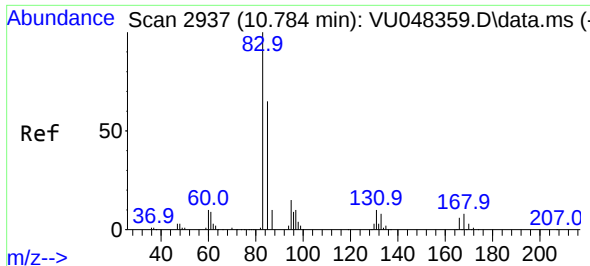
Tgt Ion:106 Resp: 298893
Ion Ratio Lower Upper
106 100
91 205.7 145.3 269.8



#55
Styrene
Concen: 56.845 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Tgt Ion:104 Resp: 511400
Ion Ratio Lower Upper
104 100
78 42.3 30.3 56.3



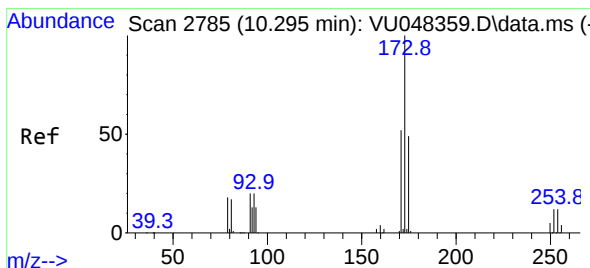
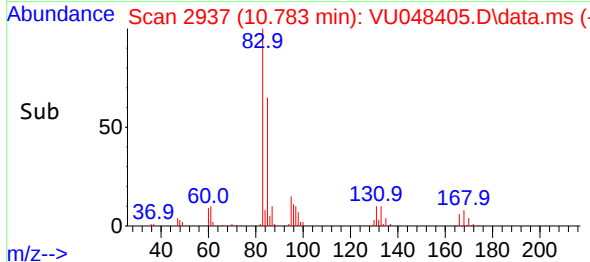
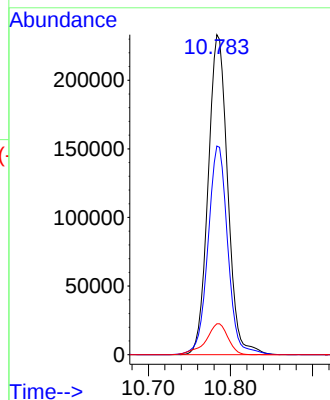
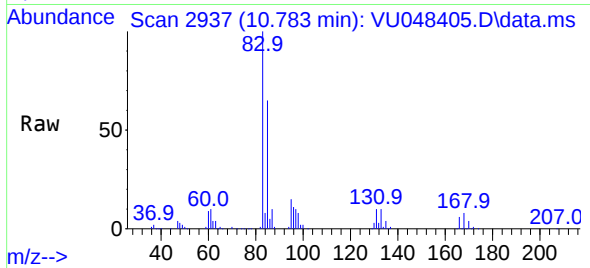


#57
1,1,2,2-Tetrachloroethane
Concen: 53.549 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. -0.003 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD050113

Tgt Ion: 83 Resp: 385426

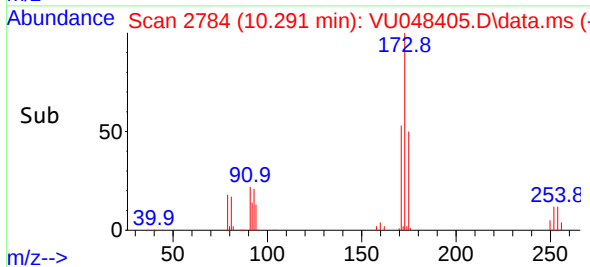
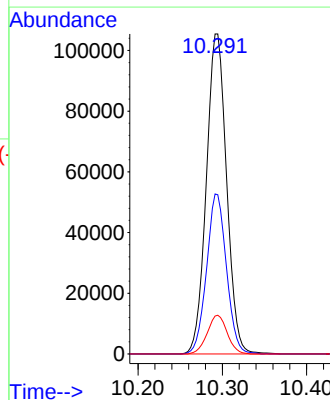
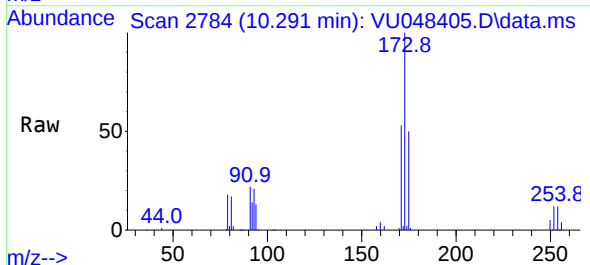
Ion	Ratio	Lower	Upper
83	100		
85	65.2	45.1	83.7
131	9.6	7.8	11.6

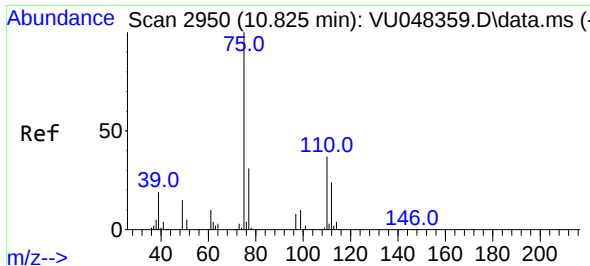


#59
Bromoform
Concen: 51.211 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.003 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Tgt Ion: 173 Resp: 176613

Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.9	58.3
254	11.9	9.5	14.3

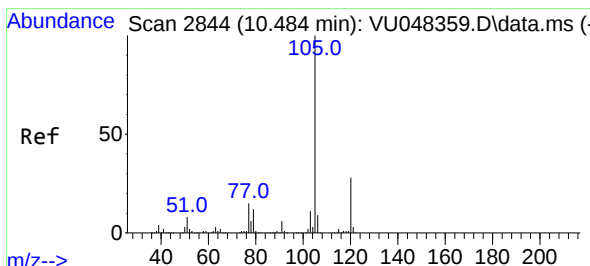
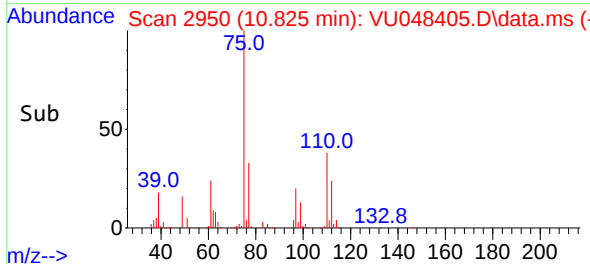
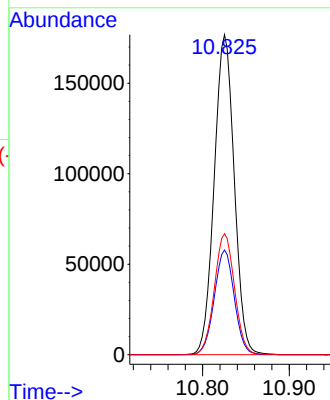
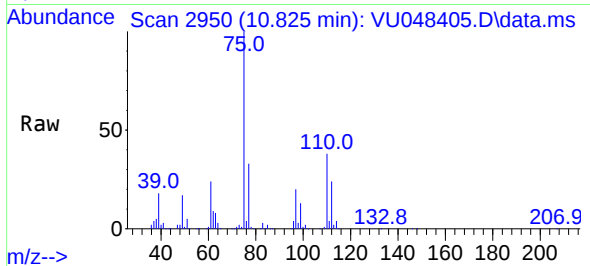




#60
1,2,3-Trichloropropane
Concen: 51.254 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

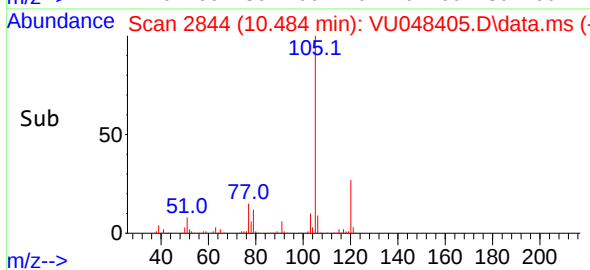
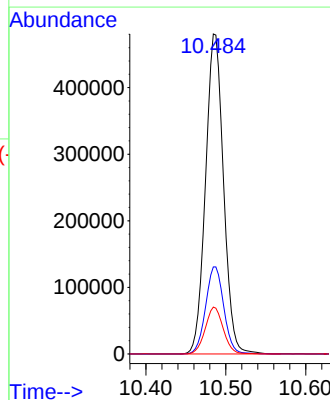
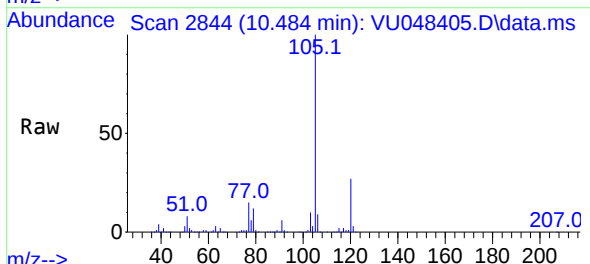
Instrument :
MSVOA_U
ClientSampleId :
VSTD050113

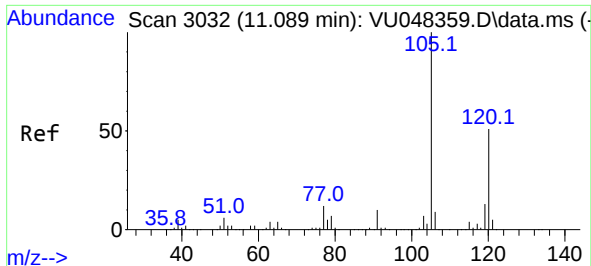
Tgt Ion: 75 Resp: 284139
Ion Ratio Lower Upper
75 100
77 32.7 25.8 38.8
110 38.1 29.9 44.9



#61
Isopropylbenzene
Concen: 56.616 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Tgt Ion: 105 Resp: 752248
Ion Ratio Lower Upper
105 100
120 27.5 21.7 32.5
77 14.7 11.7 17.5

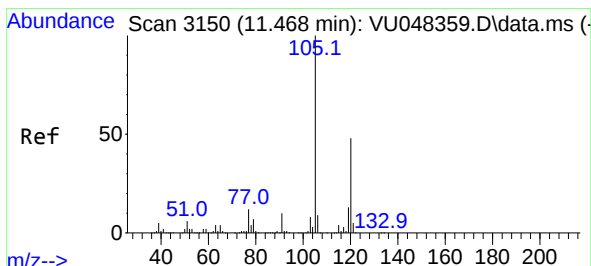
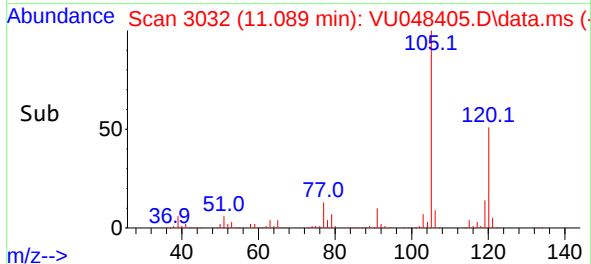
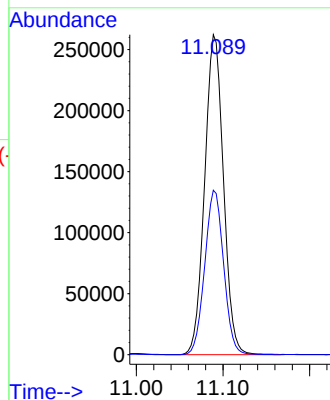
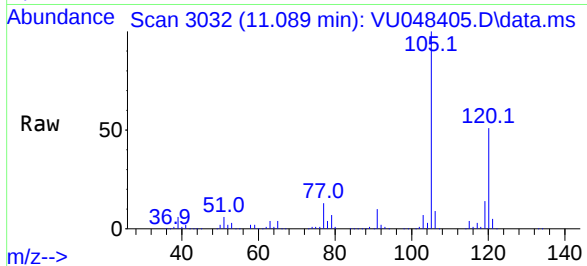




#62
1,3,5-Trimethylbenzene
Concen: 56.493 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

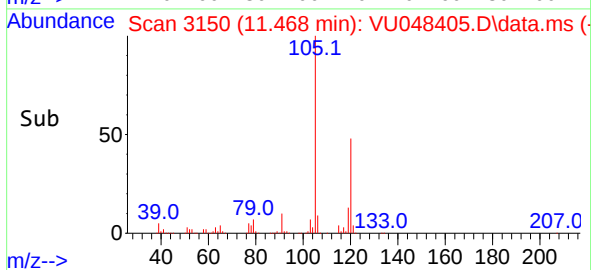
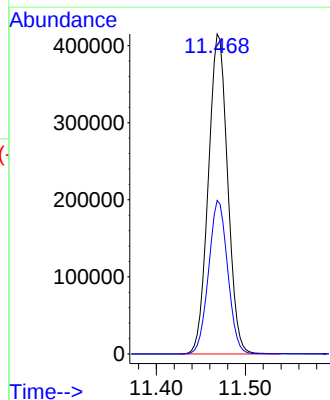
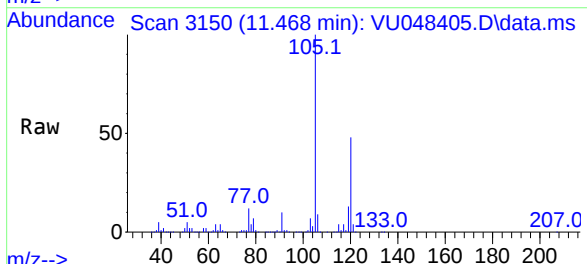
Instrument :
MSVOA_U
ClientSampleId :
VSTD050113

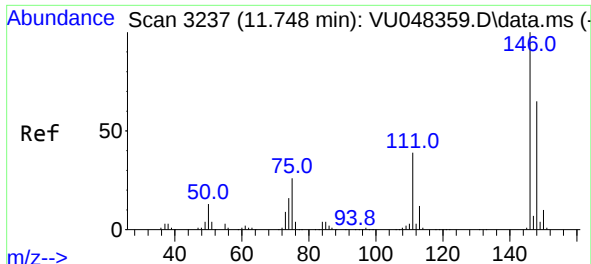
Tgt Ion:105 Resp: 395627
Ion Ratio Lower Upper
105 100
120 51.6 40.7 61.1



#63
1,2,4-Trimethylbenzene
Concen: 57.896 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Tgt Ion:105 Resp: 623359
Ion Ratio Lower Upper
105 100
120 47.5 38.0 57.0

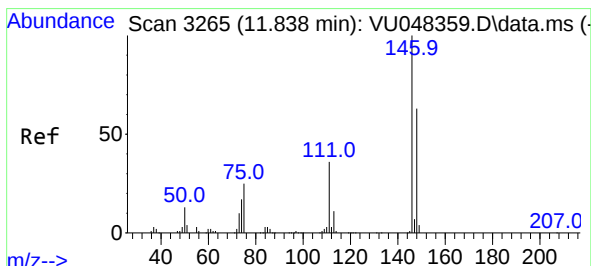
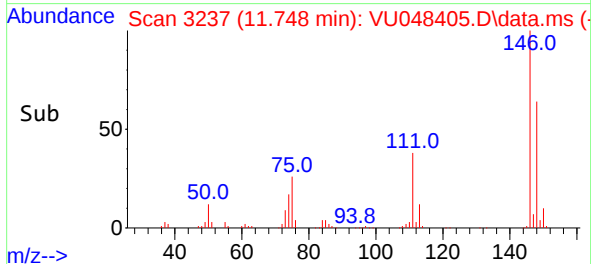
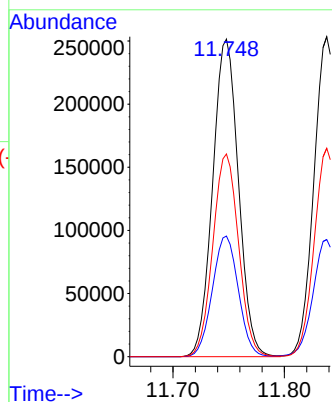
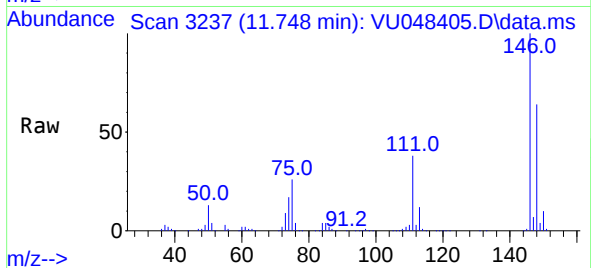




#64
1,3-Dichlorobenzene
Concen: 54.213 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

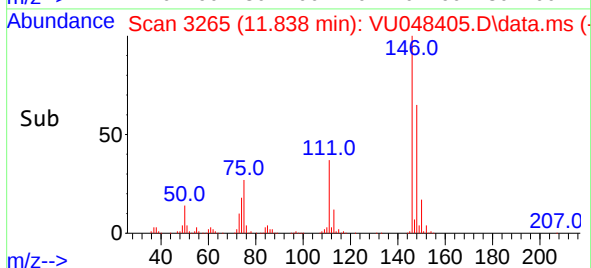
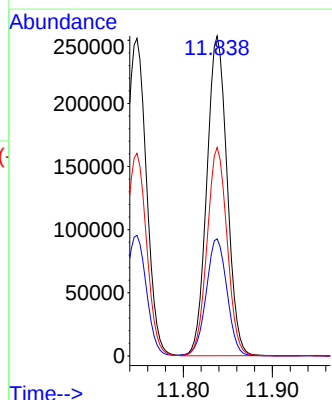
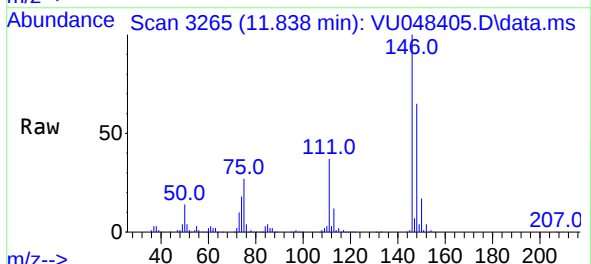
Instrument :
MSVOA_U
ClientSampleId :
VSTD050113

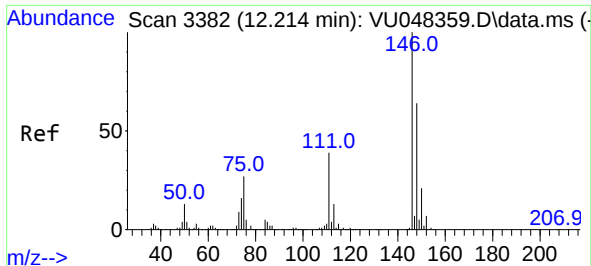
Tgt Ion:146 Resp: 403843
Ion Ratio Lower Upper
146 100
111 38.0 26.7 49.7
148 63.8 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 52.565 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Tgt Ion:146 Resp: 399752
Ion Ratio Lower Upper
146 100
111 36.6 25.9 48.1
148 65.2 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 54.878 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU048405.D

Acq: 04 May 2022 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD050113

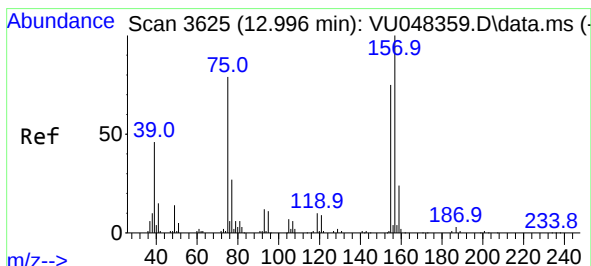
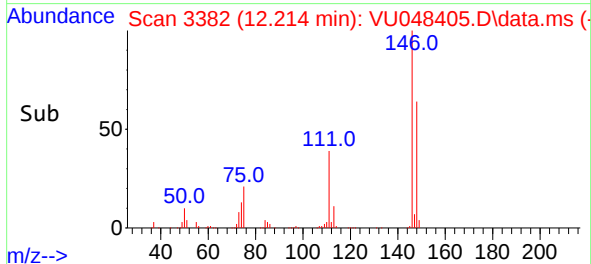
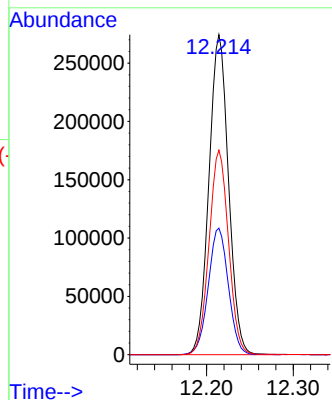
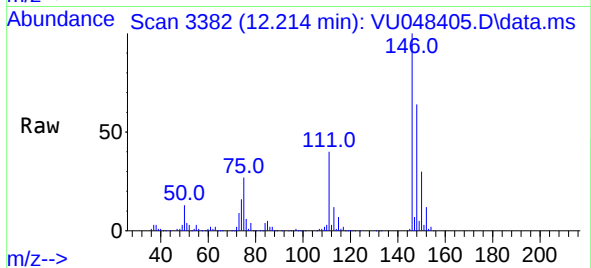
Tgt Ion:146 Resp: 430640

Ion Ratio Lower Upper

146 100

111 39.6 31.7 47.5

148 63.9 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 52.258 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.000 min

Lab File: VU048405.D

Acq: 04 May 2022 09:34

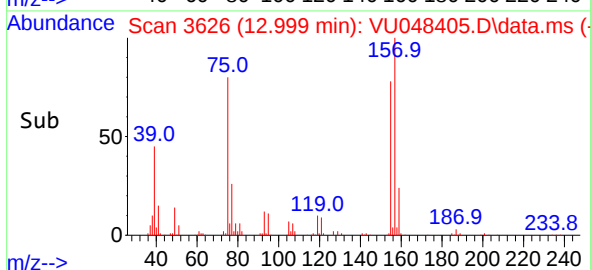
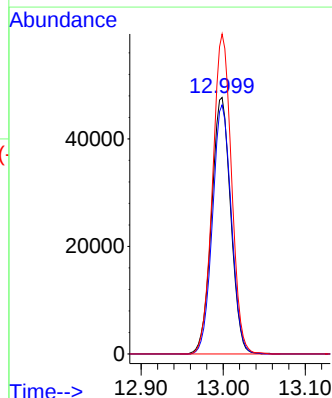
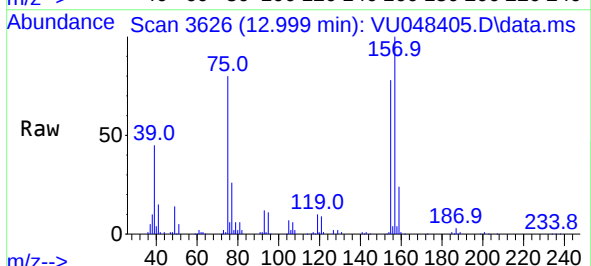
Tgt Ion: 75 Resp: 77337

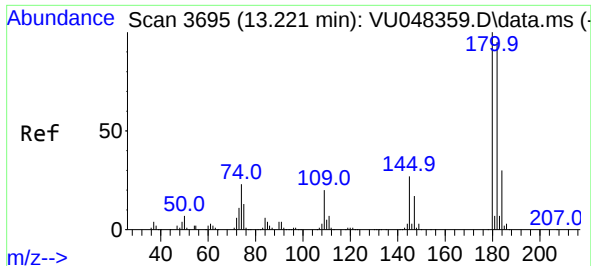
Ion Ratio Lower Upper

75 100

155 97.2 71.8 107.6

157 124.8 93.4 140.2



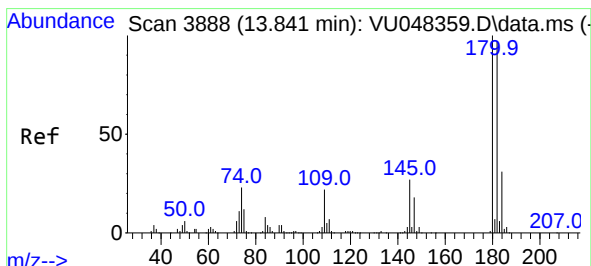
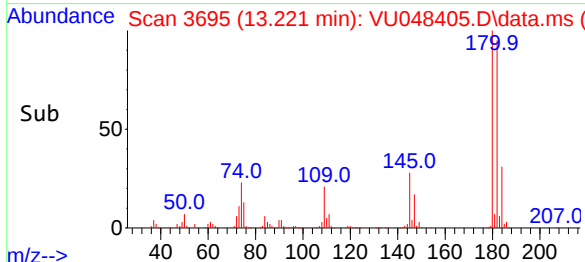
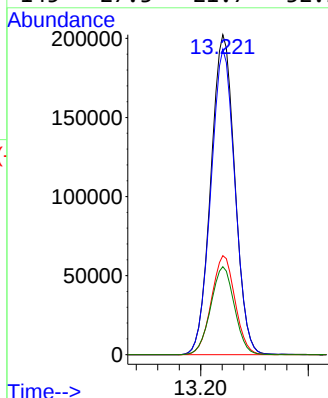
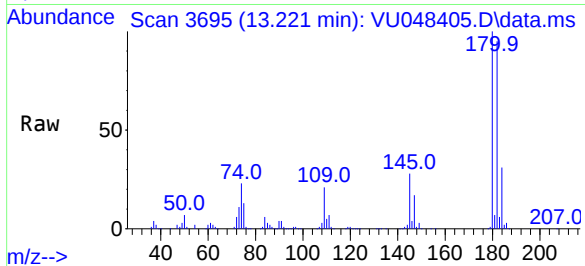


#69
 1,3,5-Trichlorobenzene
 Concen: 56.388 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU048405.D
 Acq: 04 May 2022 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050113

Tgt Ion:180 Resp: 312123

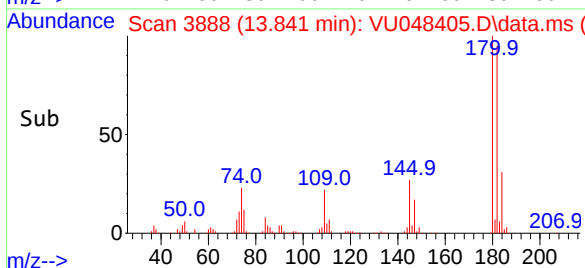
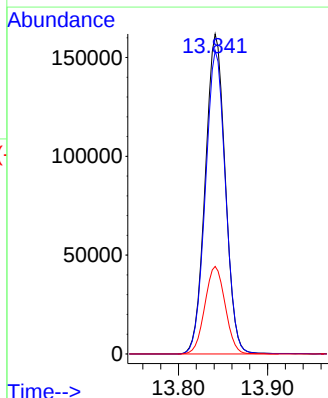
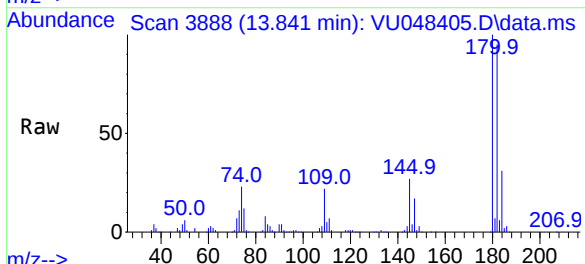
Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.0	115.4
184	30.7	24.6	37.0
145	27.3	21.7	32.5

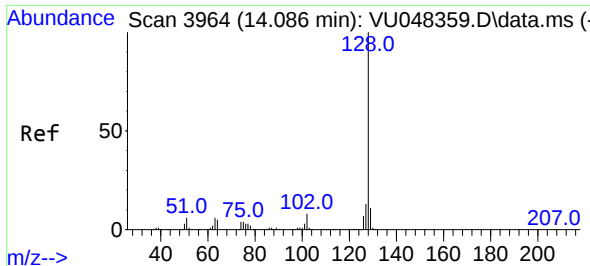


#70
 1,2,4-trichlorobenzene
 Concen: 57.623 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU048405.D
 Acq: 04 May 2022 09:34

Tgt Ion:180 Resp: 251983

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.3	114.5
145	27.8	22.6	33.8

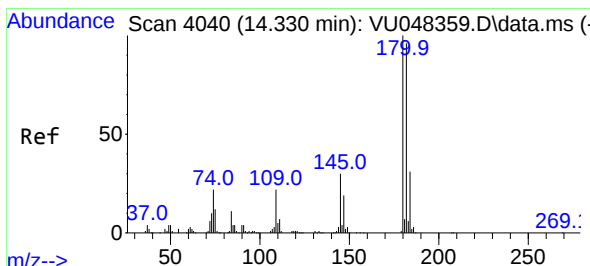
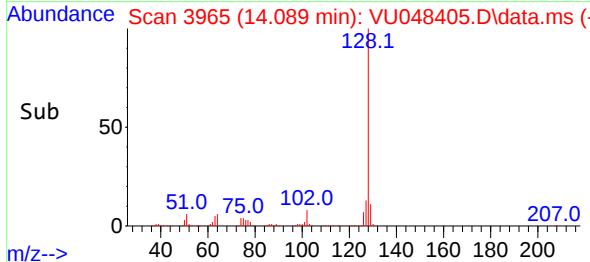
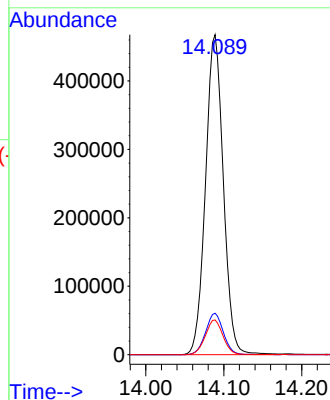
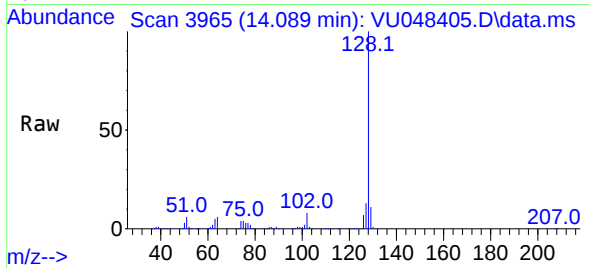




#71
Naphthalene
Concen: 59.383 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD050113

Tgt Ion:128 Resp: 743162
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 59.367 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048405.D
Acq: 04 May 2022 09:34

Tgt Ion:180 Resp: 266057
Ion Ratio Lower Upper
180 100
182 95.8 75.8 113.6
145 29.2 23.5 35.3

