

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050422\
 Data File : VU048426.D
 Acq On : 04 May 2022 20:30
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050114

Quant Time: May 05 02:21:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 05 02:16:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	370463	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	379058	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	218384	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	179090	52.570	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 105.140%			
7) Chloroethane-d5	1.893	69	127421	53.286	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.580%			
11) 1,1-Dichloroethene-d2	2.565	63	256369	46.967	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 93.940%			
21) 2-Butanone-d5	4.620	46	281517	96.889	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 96.890%			
24) Chloroform-d	5.063	84	290552	47.021	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.040%			
26) 1,2-Dichloroethane-d4	5.700	65	172923	47.166	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.340%			
32) Benzene-d6	5.726	84	635520	53.159	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 106.320%			
36) 1,2-Dichloropropane-d6	6.690	67	202790	51.309	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 102.620%			
41) Toluene-d8	7.899	98	580434	53.563	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.120%			
43) trans-1,3-Dichloroprop...	8.179	79	86191	49.422	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 98.840%			
47) 2-Hexanone-d5	8.636	63	209213	98.112	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 98.110%			
56) 1,1,2,2-Tetrachloroeth...	10.758	84	342325	49.385	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 98.780%			
66) 1,2-Dichlorobenzene-d4	12.195	152	255954	52.101	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	107099	38.259	ug/L	100
3) Chloromethane	1.520	50	123867	38.660	ug/L	99
5) Vinyl chloride	1.607	62	131628	40.767	ug/L	98
6) Bromomethane	1.832	94	57474	38.732	ug/L	100
8) Chloroethane	1.916	64	78930	43.234	ug/L	98
9) Trichlorofluoromethane	2.131	101	176753	42.007	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	120672	43.240	ug/L	99
12) 1,1-Dichloroethene	2.578	96	104323	42.825	ug/L	96
13) Acetone	2.626	43	147248	78.940	ug/L	95
14) Carbon disulfide	2.790	76	202387	34.089	ug/L	99
15) Methyl Acetate	2.944	43	172969	46.713	ug/L	99
16) Methylene chloride	3.044	84	145639	46.373	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	110632	43.717	ug/L	98
18) Methyl tert-butyl Ether	3.362	73	429857	51.482	ug/L	99
19) 1,1-Dichloroethane	3.867	63	244701	46.241	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	147197	48.255	ug/L	95
22) 2-Butanone	4.700	43	259402	94.044	ug/L	97
23) Bromochloromethane	4.973	128	82091	48.202	ug/L	96
25) Chloroform	5.089	83	253908	46.987	ug/L	99

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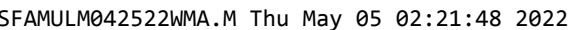
Instrument :
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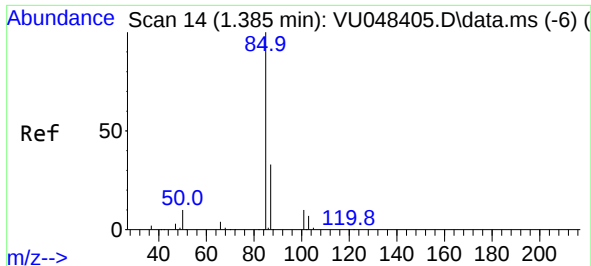
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	178782	45.358	ug/L	99
29) Cyclohexane	5.388	56	166825	46.580	ug/L	99
30) 1,1,1-Trichloroethane	5.317	97	204135	47.622	ug/L	98
31) Carbon tetrachloride	5.523	117	167356	45.807	ug/L	99
33) Benzene	5.774	78	544819	48.545	ug/L	100
34) Trichloroethene	6.542	95	129386	47.035	ug/L	98
35) Methylcyclohexane	6.764	83	174307	45.133	ug/L	99
37) 1,2-Dichloropropane	6.790	63	157313	49.267	ug/L	99
38) Bromodichloromethane	7.105	83	187088	46.396	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	216832	48.292	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	513118	106.544	ug/L	99
42) Toluene	7.970	91	582677	49.451	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	204975	46.730	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	166329	49.649	ug/L	97
46) Tetrachloroethene	8.552	164	111592	47.267	ug/L	99
48) 2-Hexanone	8.687	43	421821	104.886	ug/L	99
49) Dibromochloromethane	8.809	129	172475	46.852	ug/L	97
50) 1,2-Dibromoethane	8.922	107	165388	48.682	ug/L	99
51) Chlorobenzene	9.446	112	411215	48.417	ug/L	98
52) Ethylbenzene	9.571	91	614708	50.375	ug/L	99
53) m,p-Xylene	9.693	106	254449	52.840	ug/L	97
54) o-Xylene	10.102	106	262957	54.205	ug/L	96
55) Styrene	10.115	104	451207	54.598	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.783	83	332875	50.345	ug/L	100
59) Bromoform	10.291	173	153527	48.441	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	252893	49.639	ug/L	100
61) Isopropylbenzene	10.484	105	656516	53.766	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	354087	55.019	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	553329	55.922	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	347672	50.787	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	342456	49.001	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	370336	51.354	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.995	75	63930	47.007	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	257711	50.662	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	210713	52.433	ug/L	99
71) Naphthalene	14.085	128	650569	56.567	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	220874	53.630	ug/L	99

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

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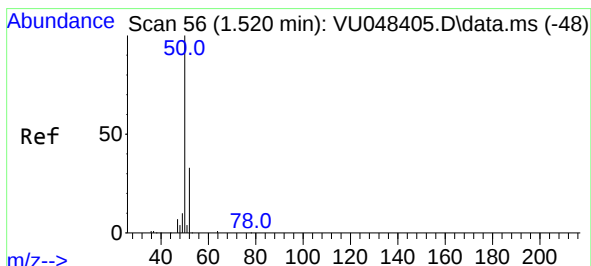
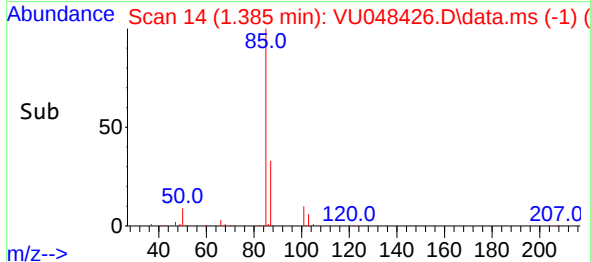
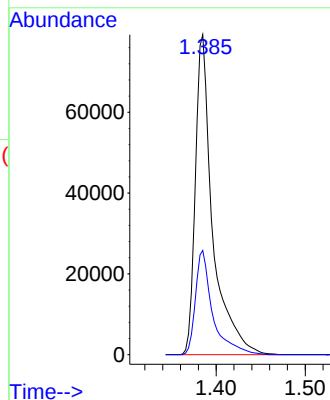
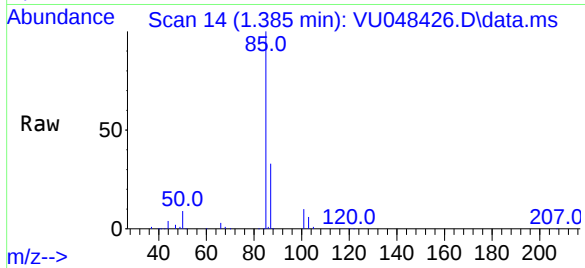




#2
Dichlorodifluoromethane
Concen: 38.259 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

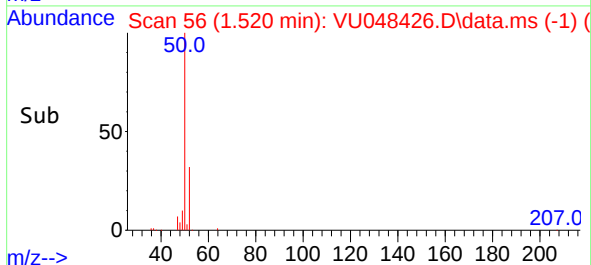
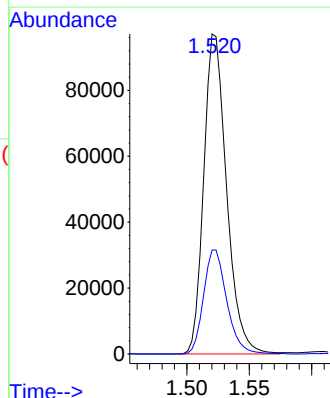
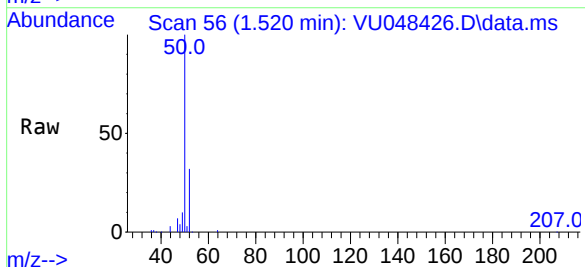
Instrument :
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ClientSampleId :
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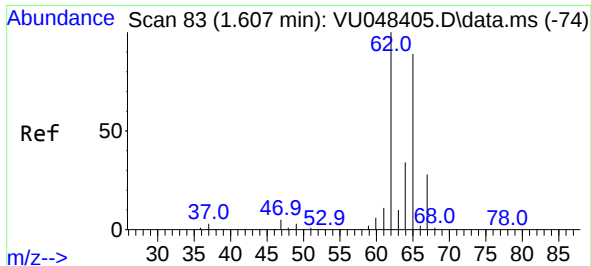
Tgt Ion: 85 Resp: 107099
Ion Ratio Lower Upper
85 100
87 32.5 26.1 39.1



#3
Chloromethane
Concen: 38.660 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion: 50 Resp: 123867
Ion Ratio Lower Upper
50 100
52 32.4 23.2 43.2

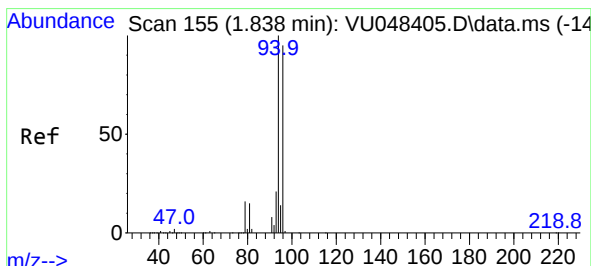
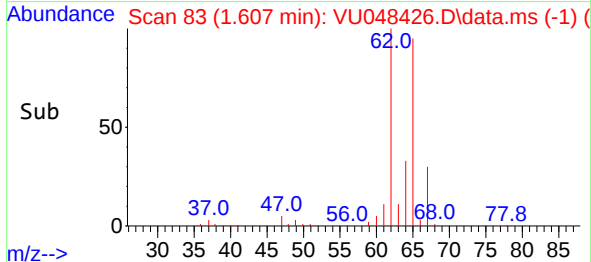
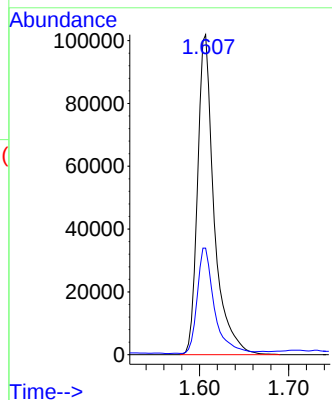
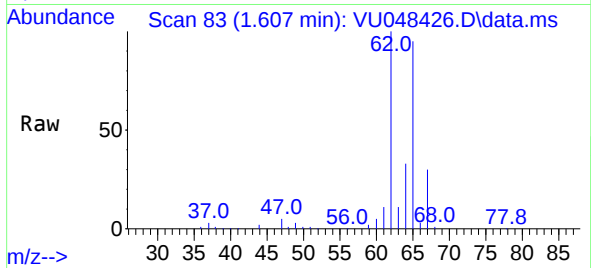




#5
 Vinyl chloride
 Concen: 40.767 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU048426.D
 Acq: 04 May 2022 20:30

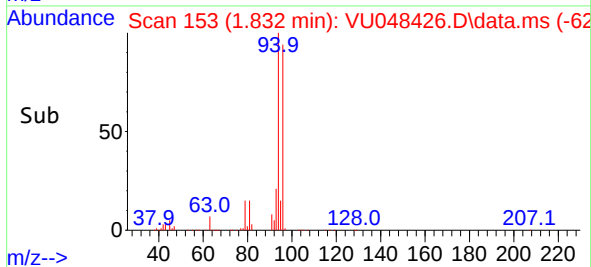
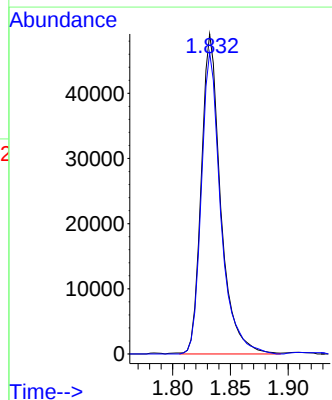
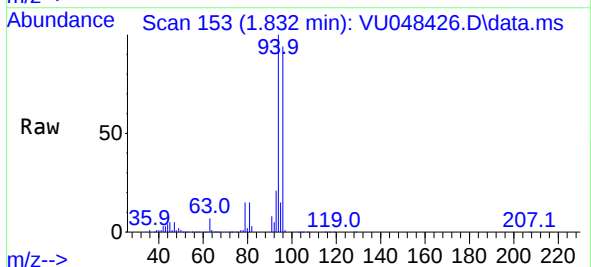
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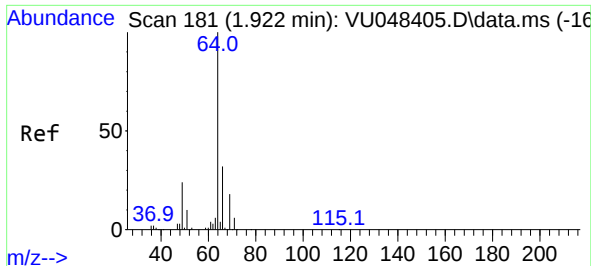
Tgt Ion: 62 Resp: 131628
 Ion Ratio Lower Upper
 62 100
 64 33.3 22.5 41.7



#6
 Bromomethane
 Concen: 38.732 ug/L
 RT: 1.832 min Scan# 153
 Delta R.T. -0.006 min
 Lab File: VU048426.D
 Acq: 04 May 2022 20:30

Tgt Ion: 94 Resp: 57474
 Ion Ratio Lower Upper
 94 100
 96 94.2 65.8 122.2

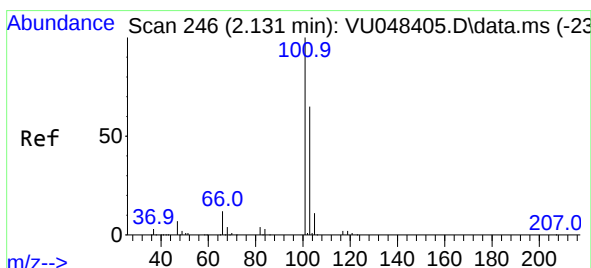
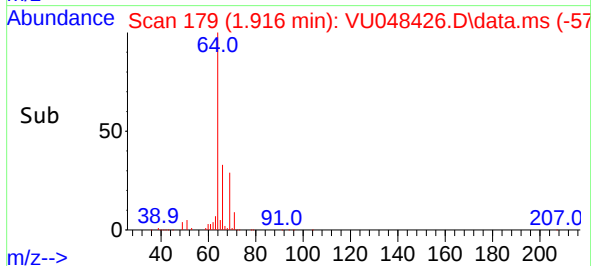
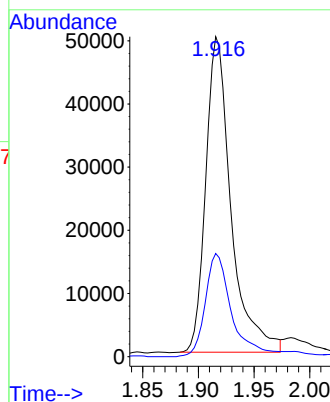
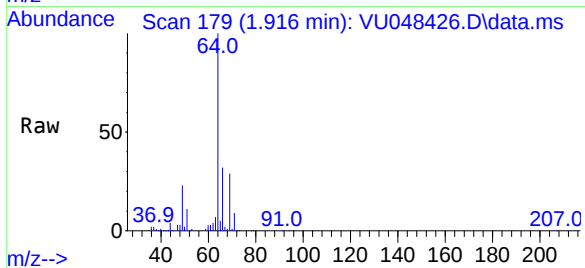




#8
Chloroethane
Concen: 43.234 ug/L
RT: 1.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

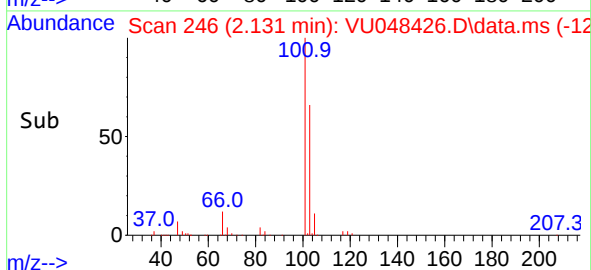
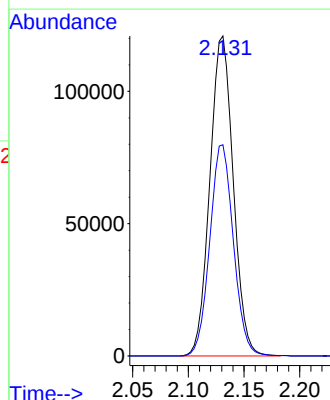
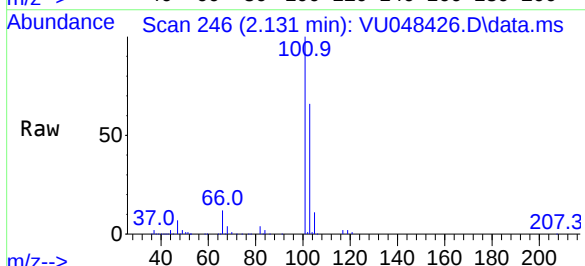
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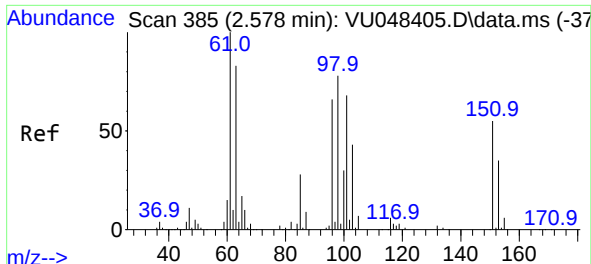
Tgt Ion: 64 Resp: 78930
Ion Ratio Lower Upper
64 100
66 32.2 21.9 40.7



#9
Trichlorofluoromethane
Concen: 42.007 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion:101 Resp: 176753
Ion Ratio Lower Upper
101 100
103 66.6 51.9 77.9

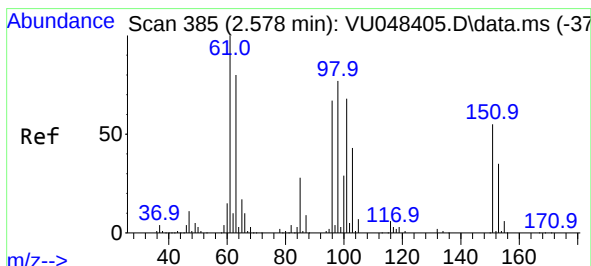
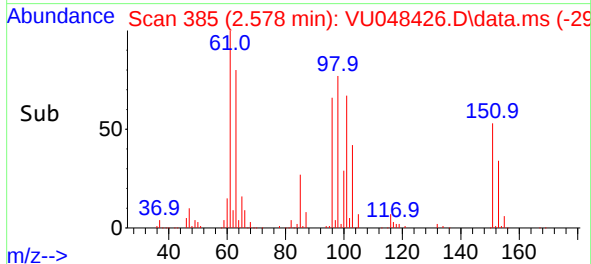
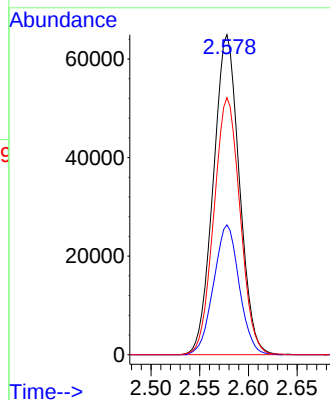
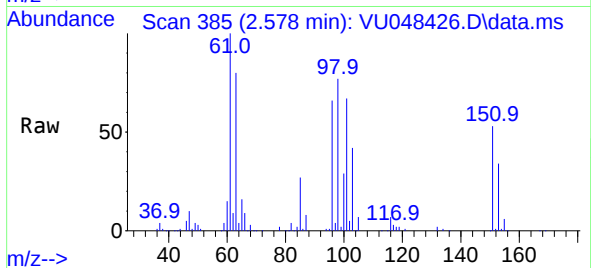




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 43.240 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

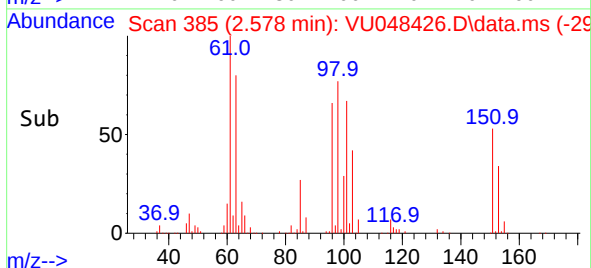
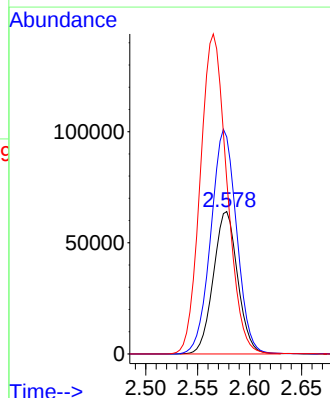
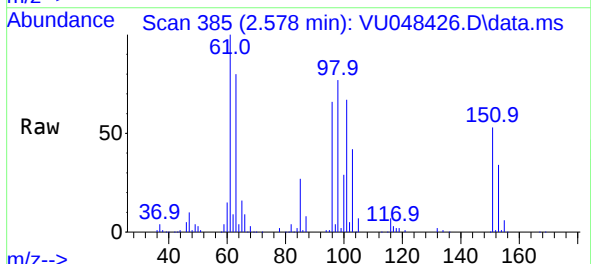
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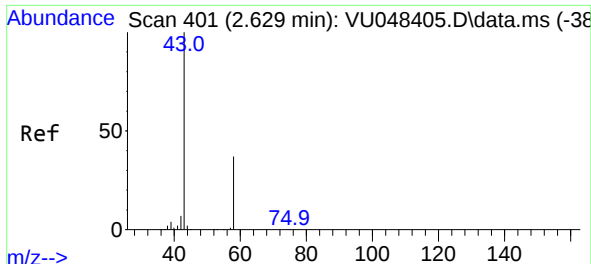
Tgt Ion:101 Resp: 120672
Ion Ratio Lower Upper
101 100
85 40.0 32.6 48.8
151 80.9 64.1 96.1



#12
1,1-Dichloroethene
Concen: 42.825 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion: 96 Resp: 104323
Ion Ratio Lower Upper
96 100
61 152.3 107.9 200.3
63 122.1 80.3 149.1





#13

Acetone

Concen: 78.940 ug/L

RT: 2.626 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU048426.D

Acq: 04 May 2022 20:30

Instrument :

MSVOA_U

ClientSampleId :

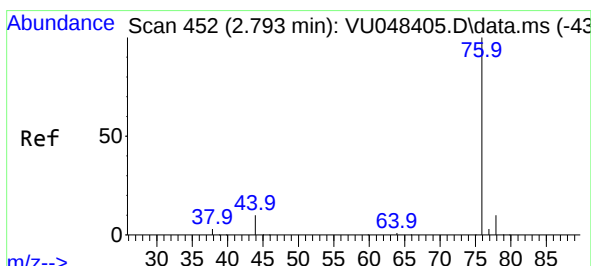
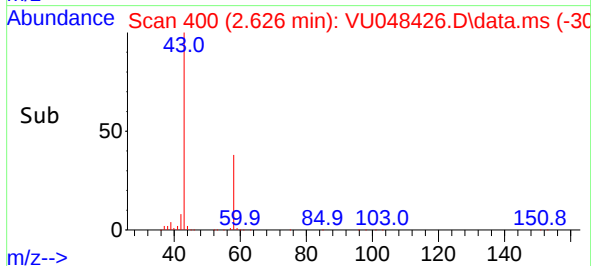
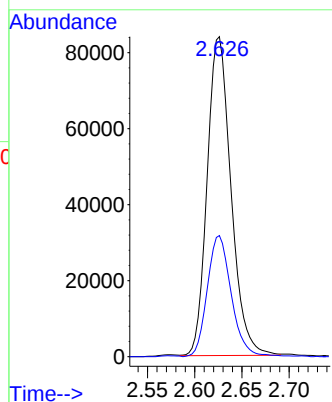
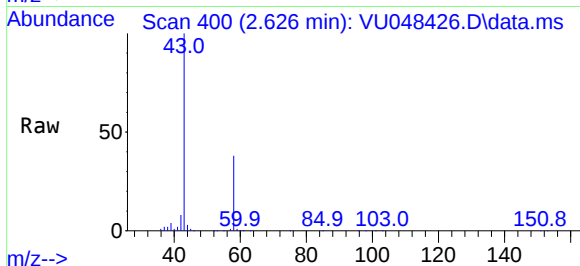
VSTD050114

Tgt Ion: 43 Resp: 147248

Ion Ratio Lower Upper

43 100

58 38.3 0.0 71.2



#14

Carbon disulfide

Concen: 34.089 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU048426.D

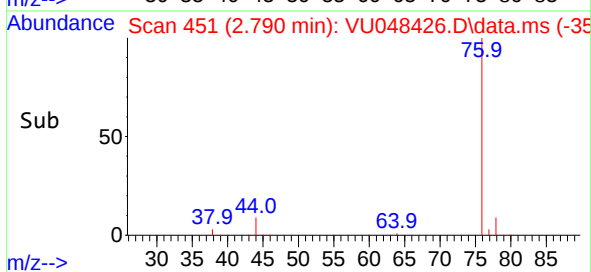
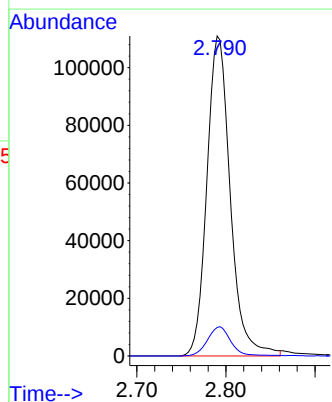
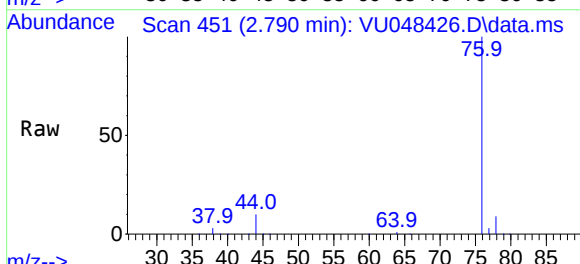
Acq: 04 May 2022 20:30

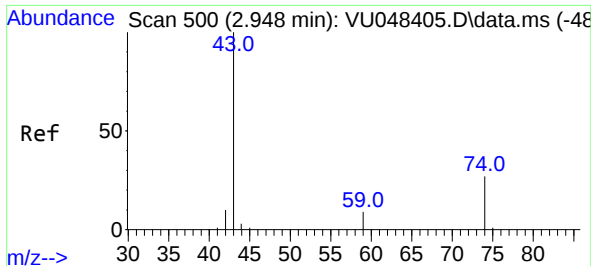
Tgt Ion: 76 Resp: 202387

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

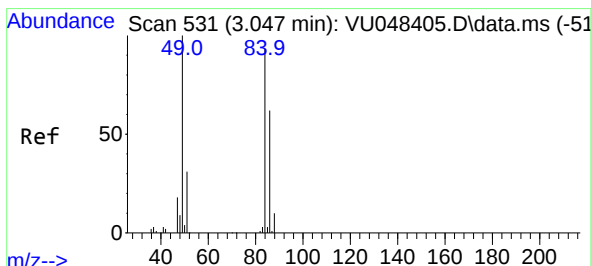
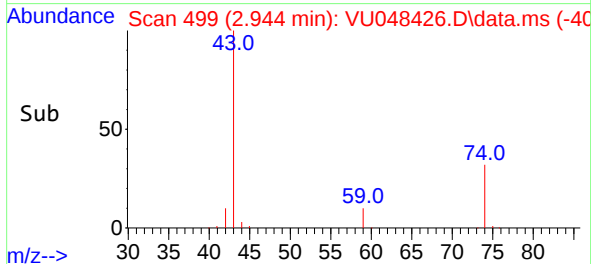
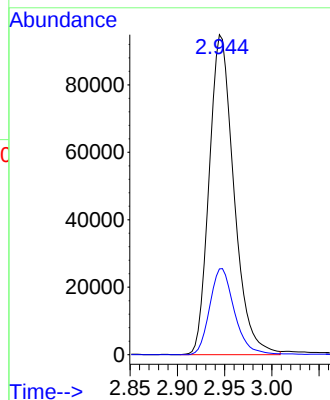
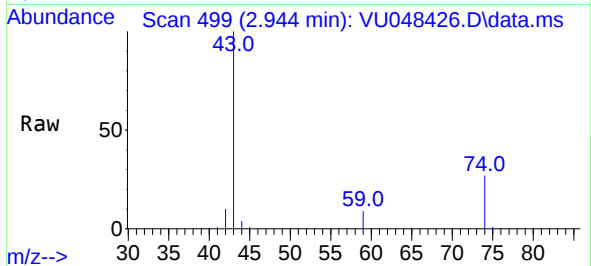




#15
Methyl Acetate
Concen: 46.713 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

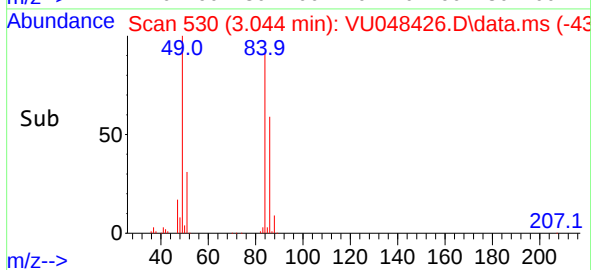
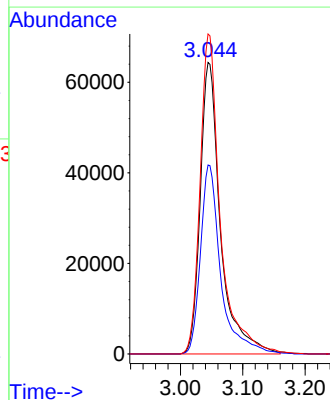
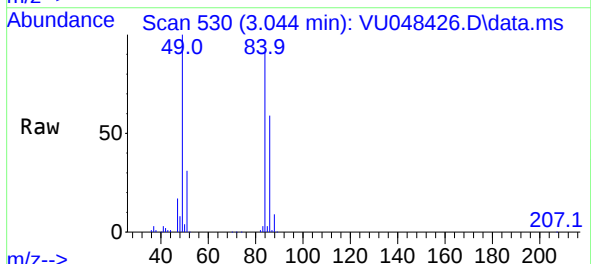
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

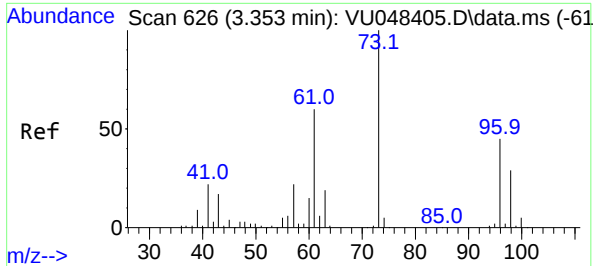
Tgt Ion: 43 Resp: 172969
Ion Ratio Lower Upper
43 100
74 26.9 21.0 31.6



#16
Methylene chloride
Concen: 46.373 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion: 84 Resp: 145639
Ion Ratio Lower Upper
84 100
86 64.8 45.4 84.2
49 109.8 79.2 147.0

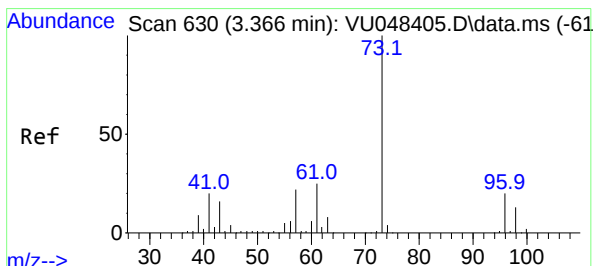
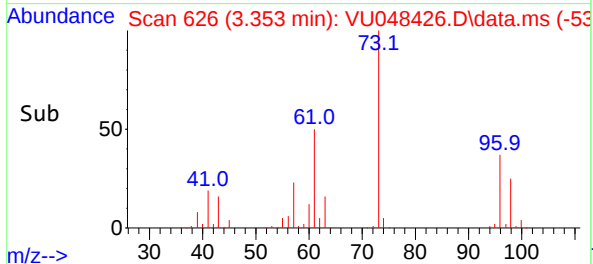
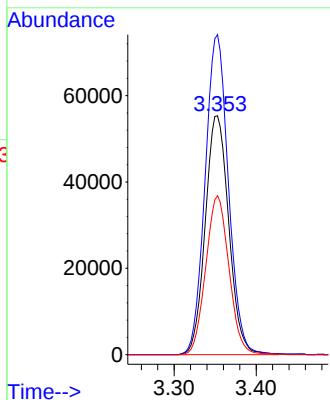
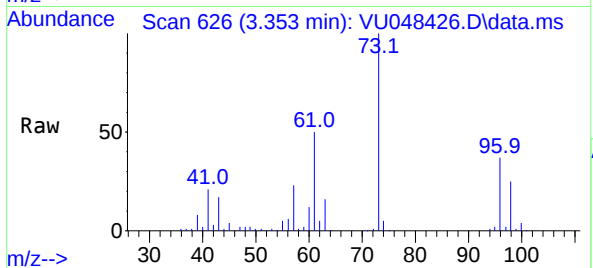




#17
trans-1,2-Dichloroethene
Concen: 43.717 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

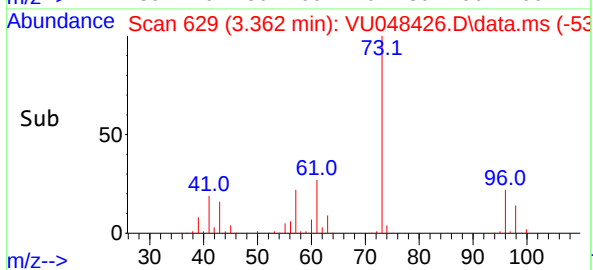
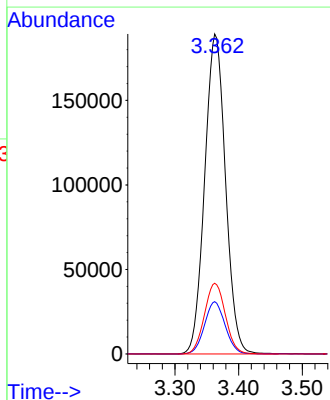
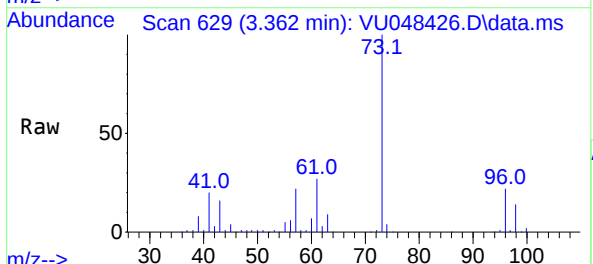
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

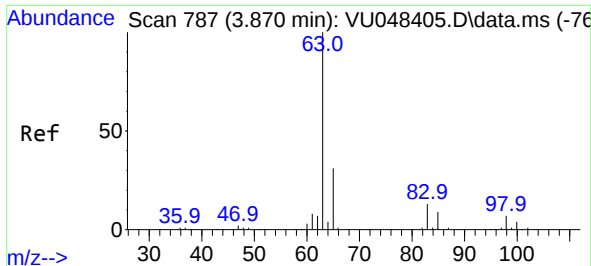
Tgt Ion: 96 Resp: 110632
Ion Ratio Lower Upper
96 100
61 133.9 95.2 176.8
98 66.6 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 51.482 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.003 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion: 73 Resp: 429857
Ion Ratio Lower Upper
73 100
43 16.2 13.8 20.6
57 22.3 17.9 26.9

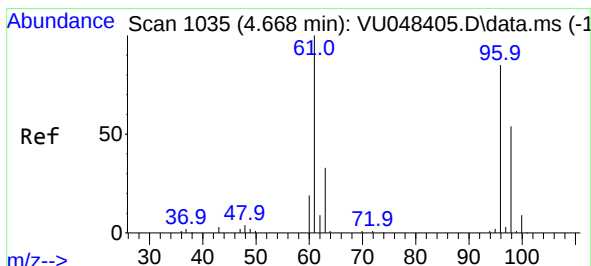
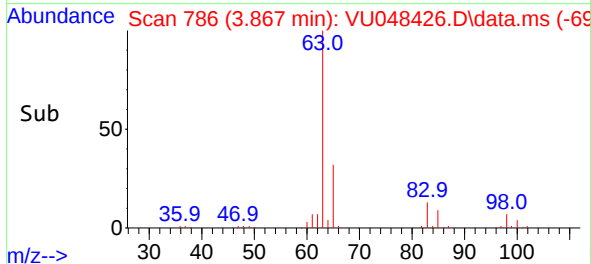
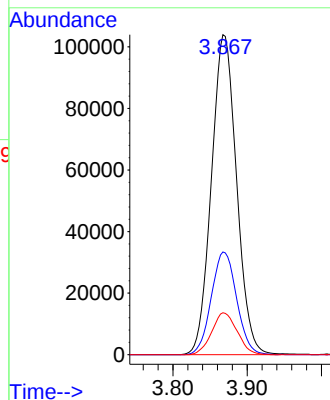
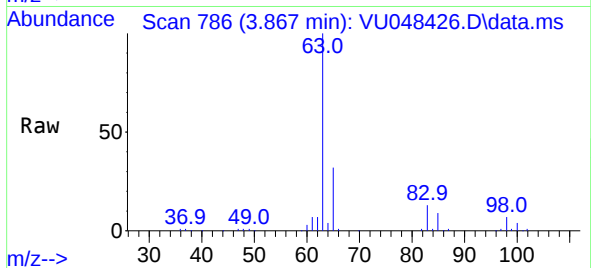




#19
1,1-Dichloroethane
Concen: 46.241 ug/L
RT: 3.867 min Scan# 787
Delta R.T. -0.003 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

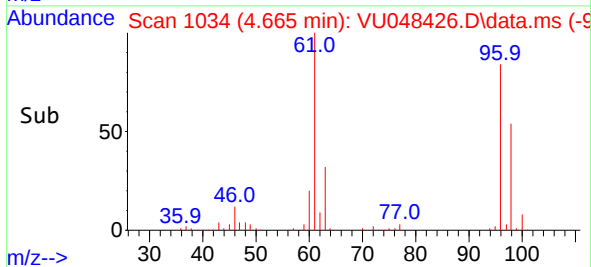
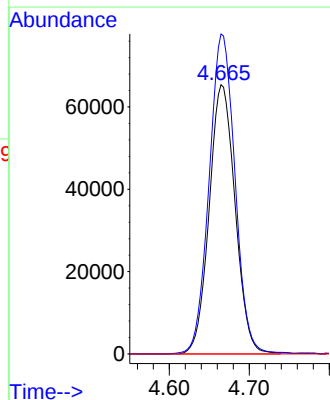
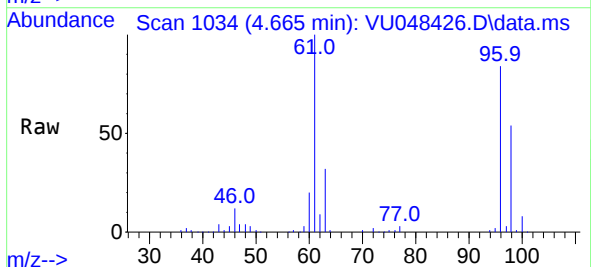
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

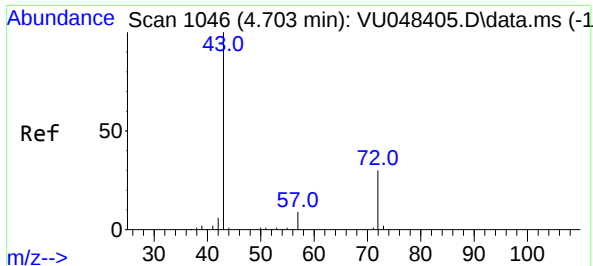
Tgt Ion: 63 Resp: 244701
Ion Ratio Lower Upper
63 100
65 32.1 22.0 40.8
83 13.1 8.8 16.4



#20
cis-1,2-Dichloroethene
Concen: 48.255 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.003 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion: 96 Resp: 147197
Ion Ratio Lower Upper
96 100
61 118.8 87.0 161.6
68 0.0 0.0 0.0

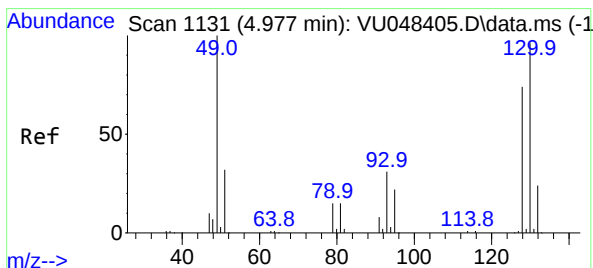
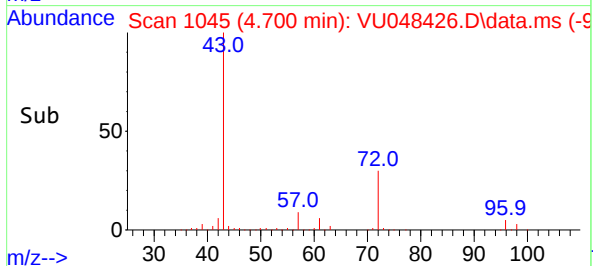
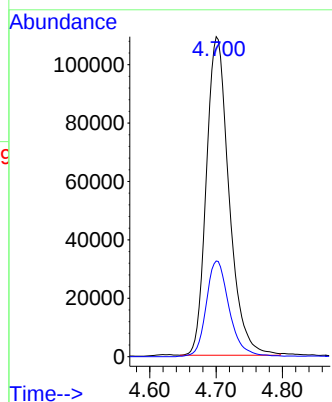
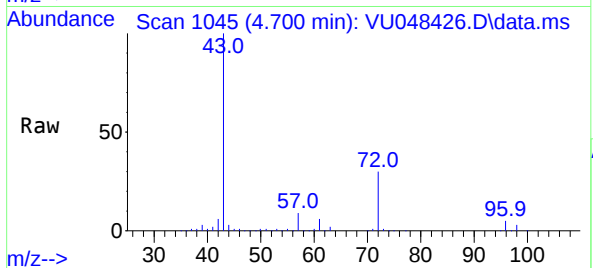




#22
2-Butanone
Concen: 94.044 ug/L
RT: 4.700 min Scan# 1130
Delta R.T. -0.003 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

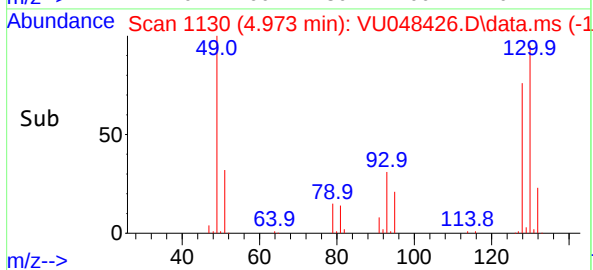
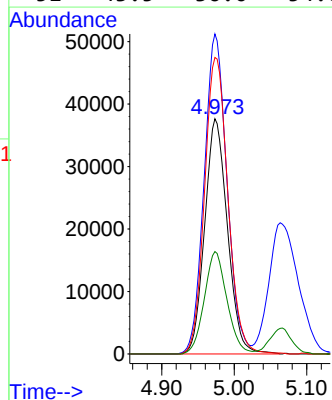
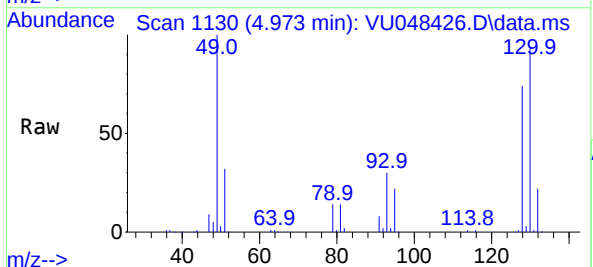
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

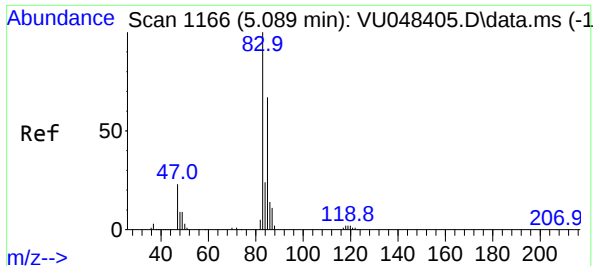
Tgt Ion: 43 Resp: 259402
Ion Ratio Lower Upper
43 100
72 30.6 14.6 43.8



#23
Bromochloromethane
Concen: 48.202 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. -0.003 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion:128 Resp: 82091
Ion Ratio Lower Upper
128 100
49 136.0 101.3 188.1
130 126.1 89.0 165.2
51 43.5 36.0 54.0





#25

Chloroform

Concen: 46.987 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU048426.D

Acq: 04 May 2022 20:30

Instrument :

MSVOA_U

ClientSampleId :

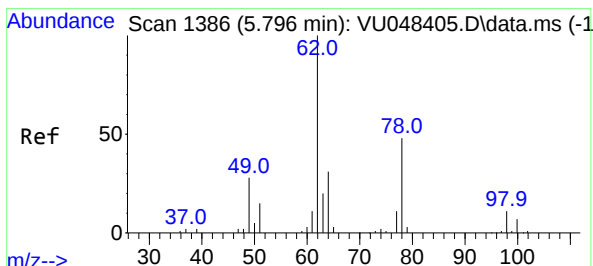
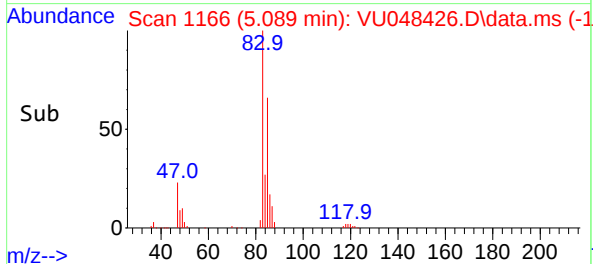
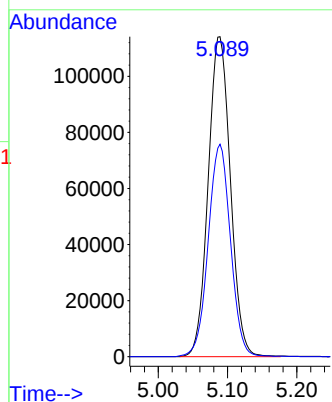
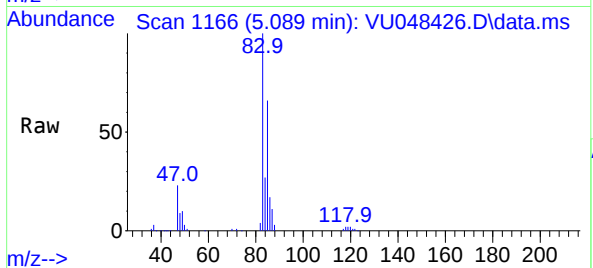
VSTD050114

Tgt Ion: 83 Resp: 253908

Ion Ratio Lower Upper

83 100

85 66.4 45.7 84.9



#27

1,2-Dichloroethane

Concen: 45.358 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.003 min

Lab File: VU048426.D

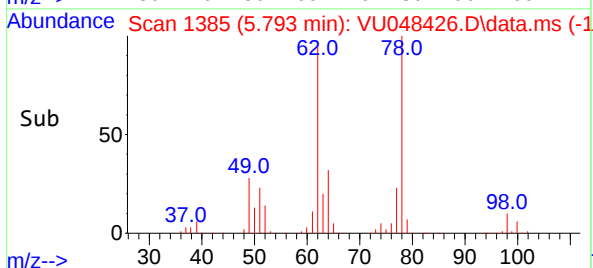
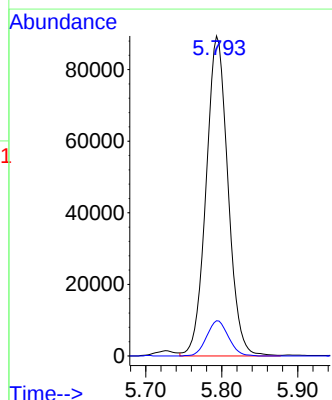
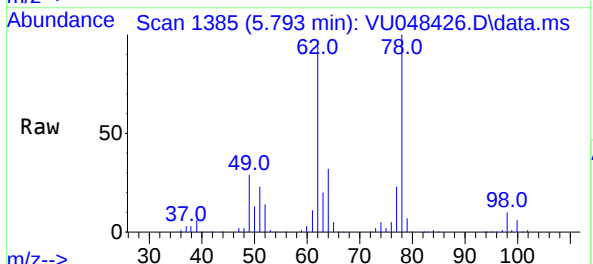
Acq: 04 May 2022 20:30

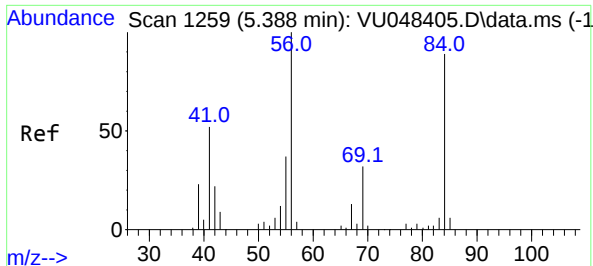
Tgt Ion: 62 Resp: 178782

Ion Ratio Lower Upper

62 100

98 11.0 8.5 12.7





#29

Cyclohexane

Concen: 46.580 ug/L

RT: 5.388 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048426.D

Acq: 04 May 2022 20:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD050114

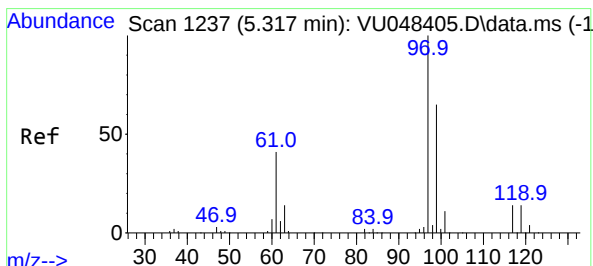
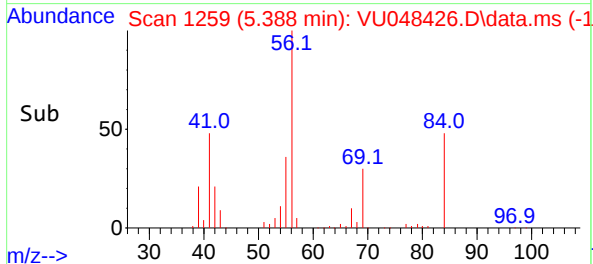
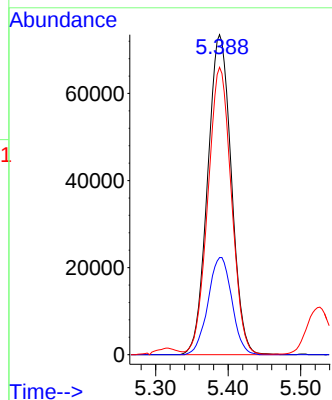
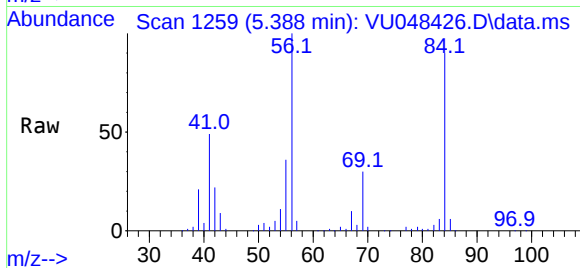
Tgt Ion: 56 Resp: 166825

Ion Ratio Lower Upper

56 100

69 30.5 24.2 36.4

84 89.2 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 47.622 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.000 min

Lab File: VU048426.D

Acq: 04 May 2022 20:30

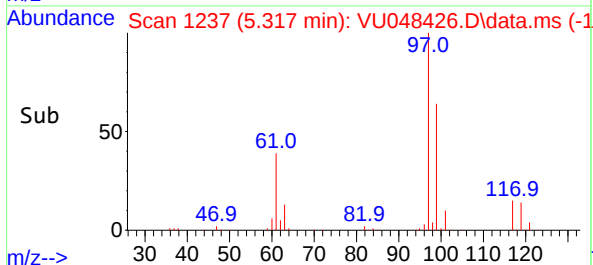
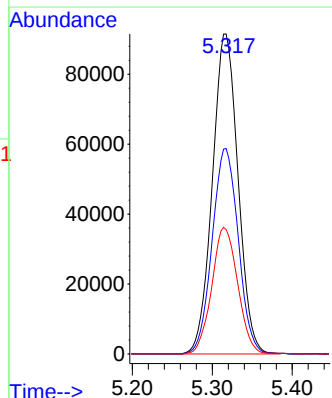
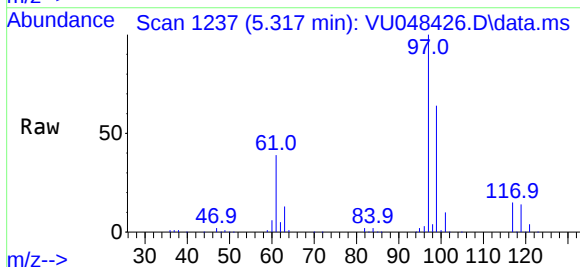
Tgt Ion: 97 Resp: 204135

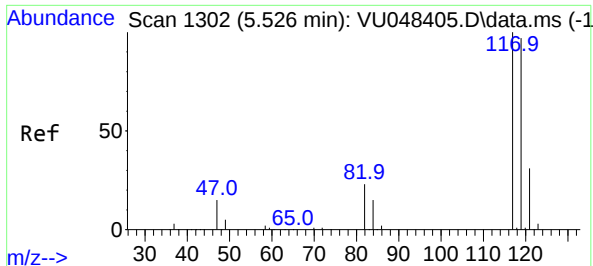
Ion Ratio Lower Upper

97 100

99 65.3 51.8 77.8

61 40.0 33.9 50.9

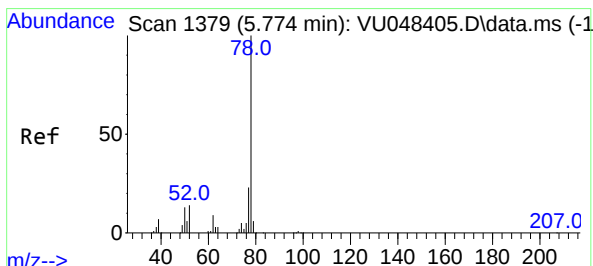
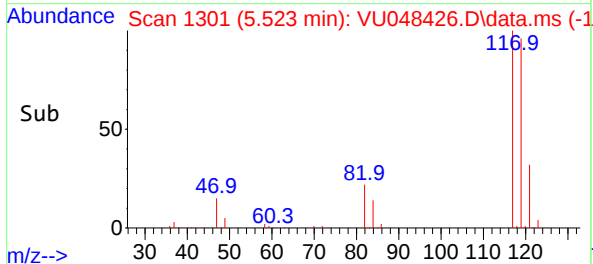
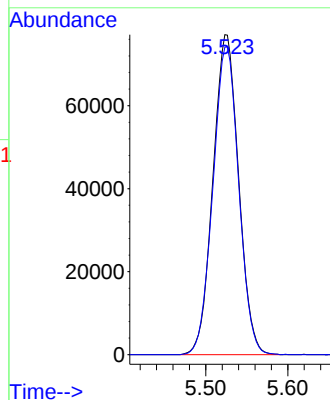
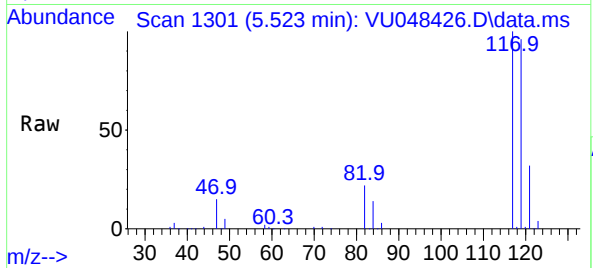




#31
Carbon tetrachloride
Concen: 45.807 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

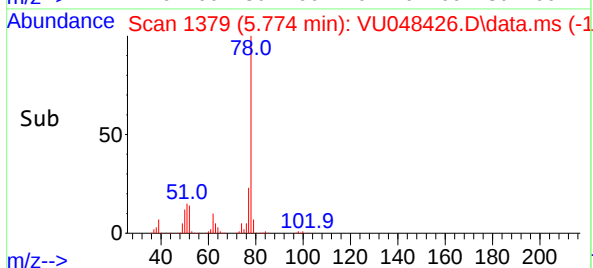
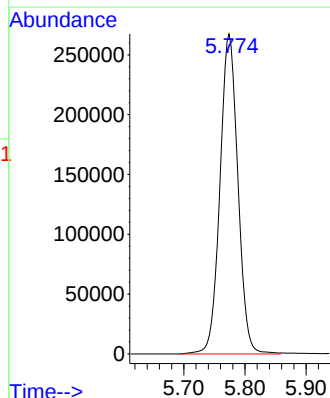
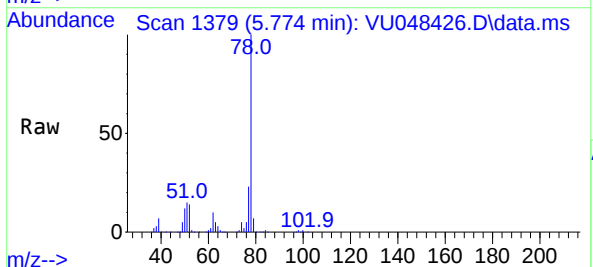
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

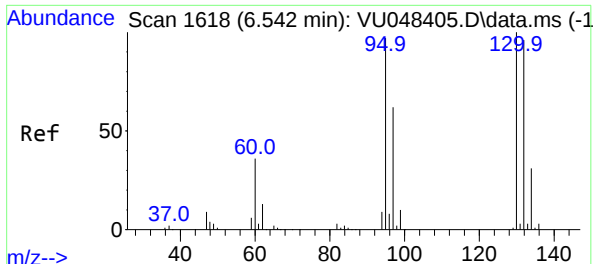
Tgt Ion:117 Resp: 167356
Ion Ratio Lower Upper
117 100
119 97.0 77.1 115.7



#33
Benzene
Concen: 48.545 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion: 78 Resp: 544819

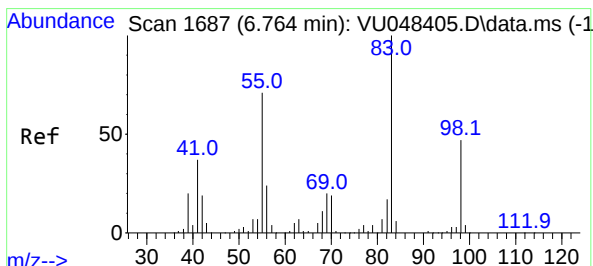
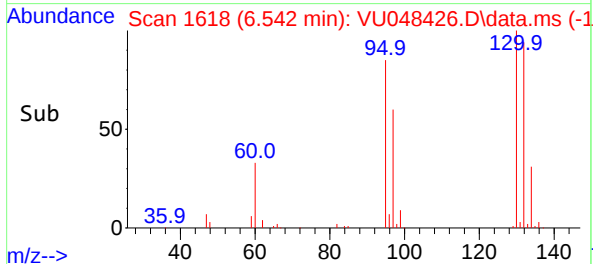
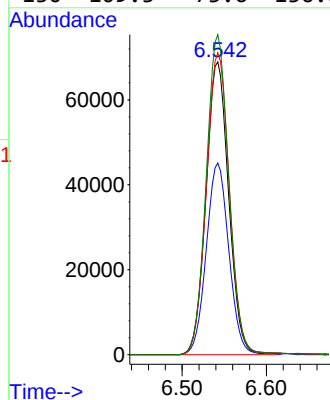
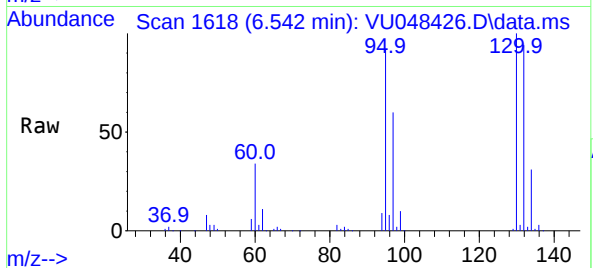




#34
Trichloroethene
Concen: 47.035 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

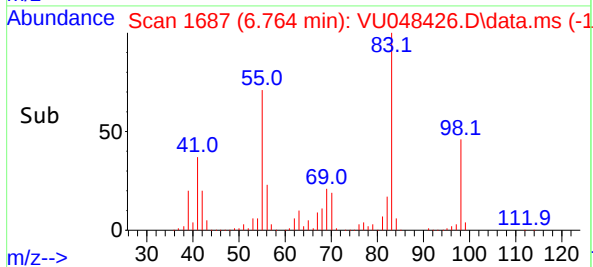
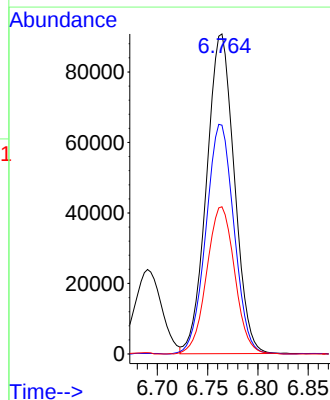
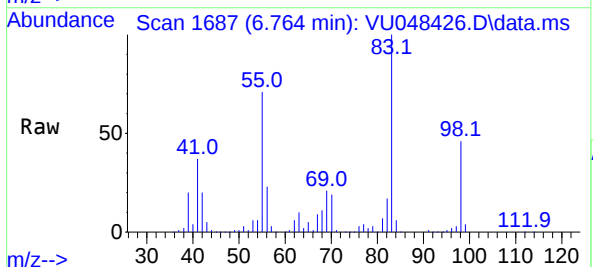
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

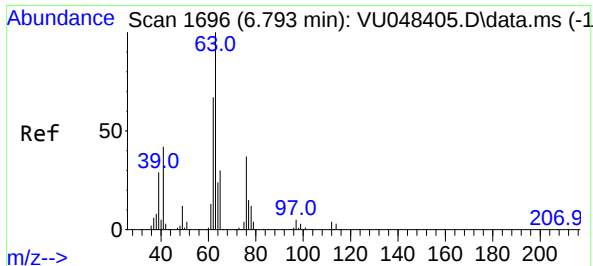
Tgt Ion: 95 Resp: 129386
Ion Ratio Lower Upper
95 100
97 65.4 45.8 85.2
132 103.2 71.6 133.0
130 109.3 73.6 136.8



#35
Methylcyclohexane
Concen: 45.133 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion: 83 Resp: 174307
Ion Ratio Lower Upper
83 100
55 72.6 59.4 89.2
98 46.5 37.3 55.9

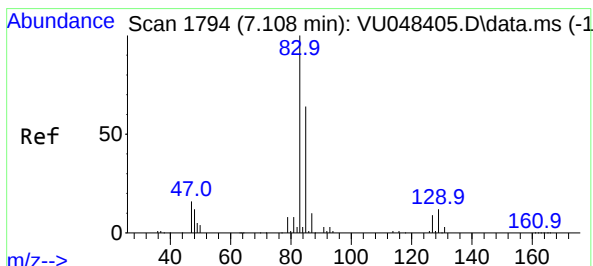
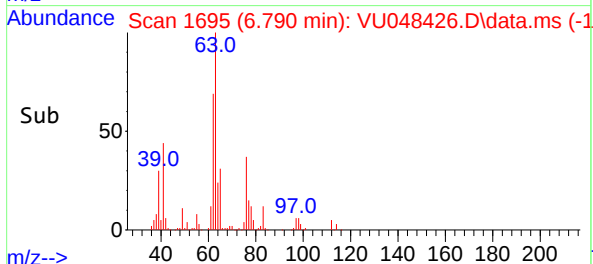
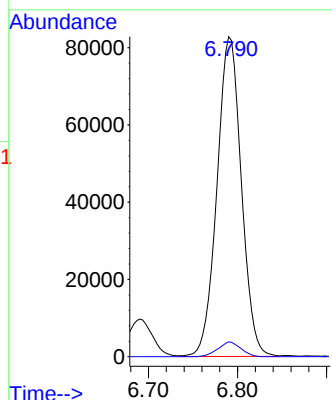
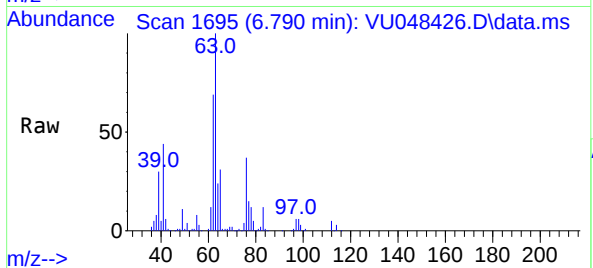




#37
1,2-Dichloropropane
Concen: 49.267 ug/L
RT: 6.790 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

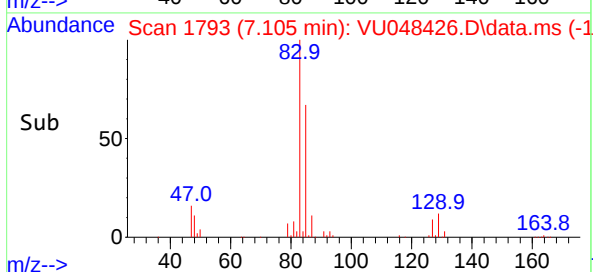
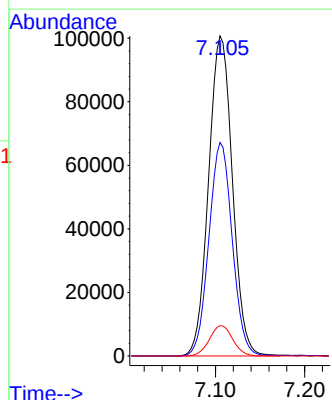
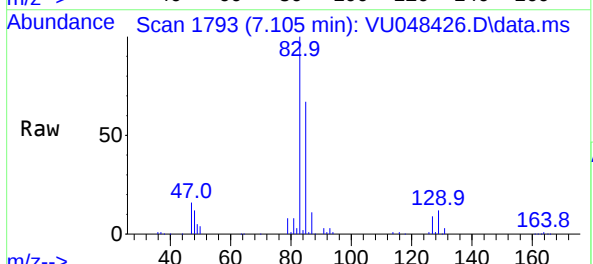
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

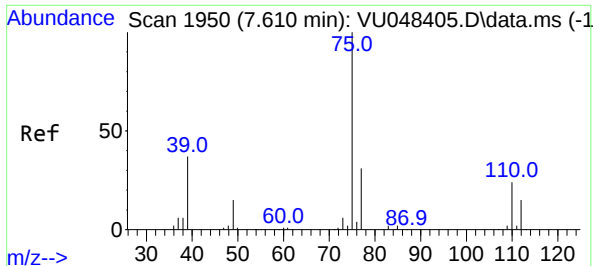
Tgt Ion: 63 Resp: 157313
Ion Ratio Lower Upper
63 100
112 4.3 3.1 4.7



#38
Bromodichloromethane
Concen: 46.396 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.003 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion: 83 Resp: 187088
Ion Ratio Lower Upper
83 100
85 66.7 45.3 84.1
127 9.4 7.2 10.8

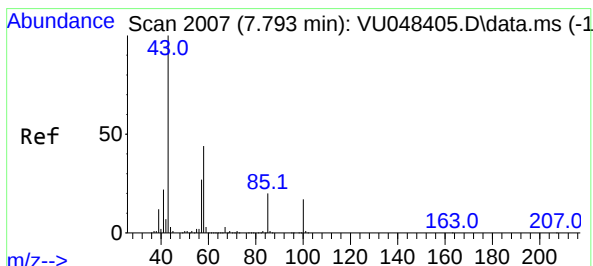
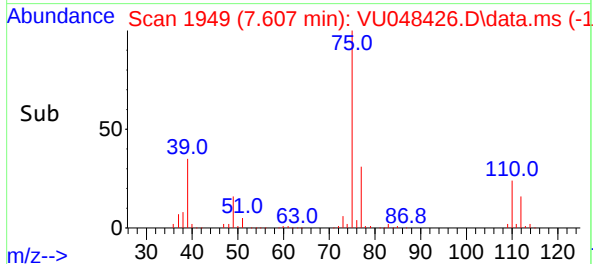
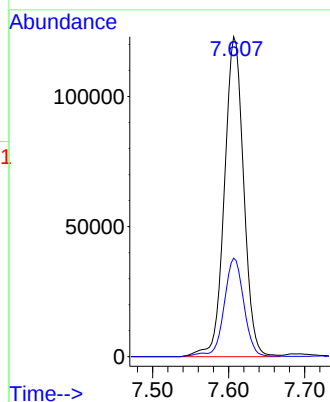
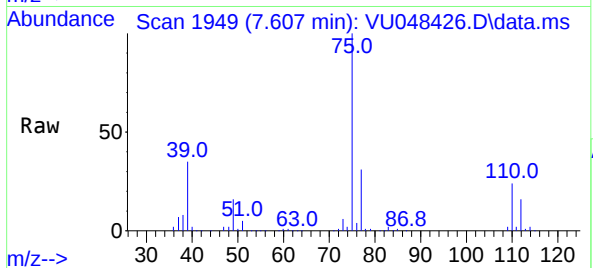




#39
cis-1,3-Dichloropropene
Concen: 48.292 ug/L
RT: 7.607 min Scan# 1950
Delta R.T. -0.003 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

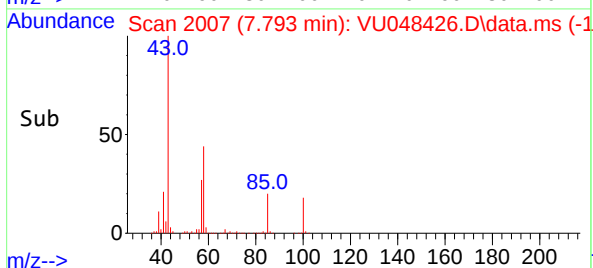
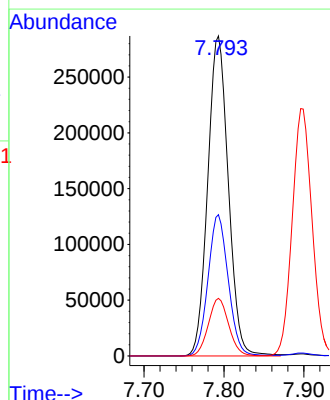
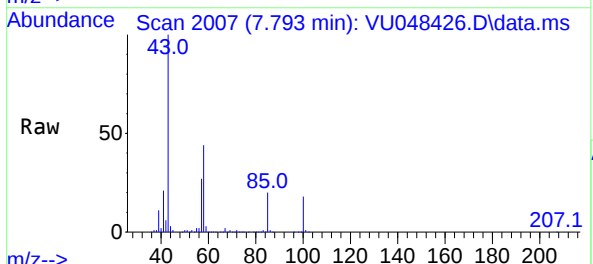
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

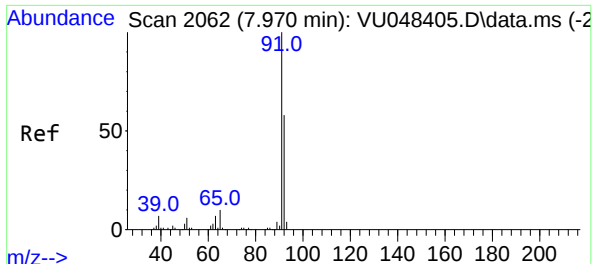
Tgt Ion: 75 Resp: 216832
Ion Ratio Lower Upper
75 100
77 30.8 22.0 41.0



#40
4-Methyl-2-pentanone
Concen: 106.544 ug/L
RT: 7.793 min Scan# 2007
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion: 43 Resp: 513118
Ion Ratio Lower Upper
43 100
58 43.6 34.4 51.6
100 17.8 13.6 20.4

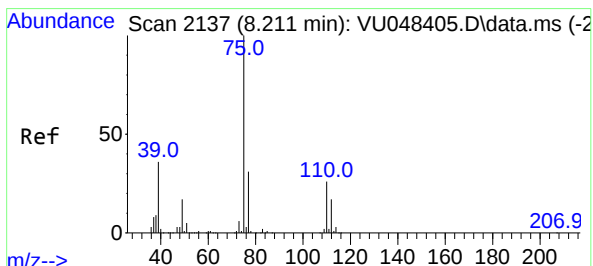
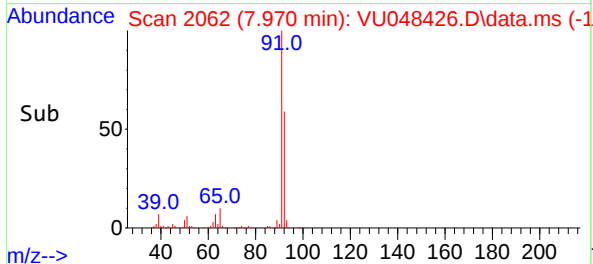
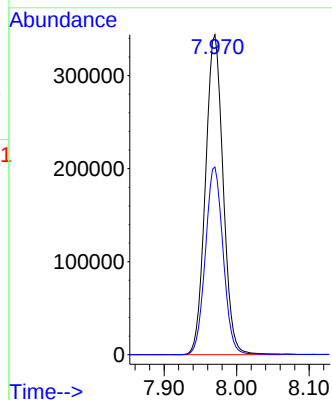
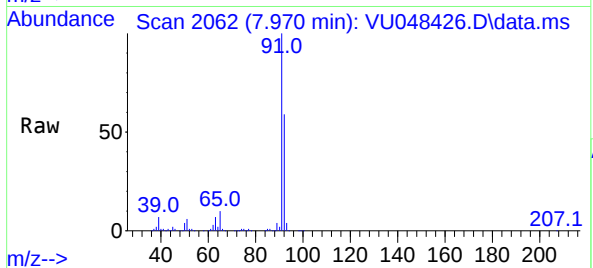




#42
Toluene
Concen: 49.451 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

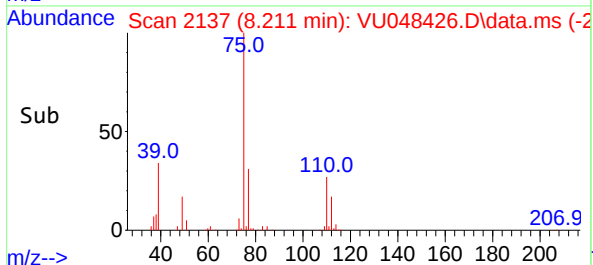
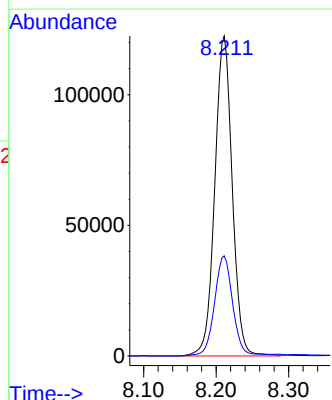
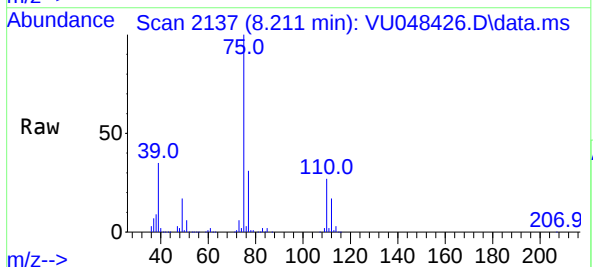
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

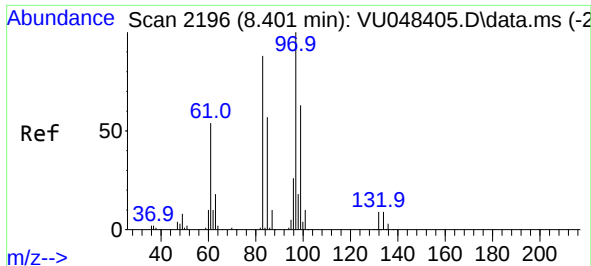
Tgt Ion: 91 Resp: 582677
Ion Ratio Lower Upper
91 100
92 58.7 40.9 76.0



#44
trans-1,3-Dichloropropene
Concen: 46.730 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion: 75 Resp: 204975
Ion Ratio Lower Upper
75 100
77 31.3 22.1 41.1



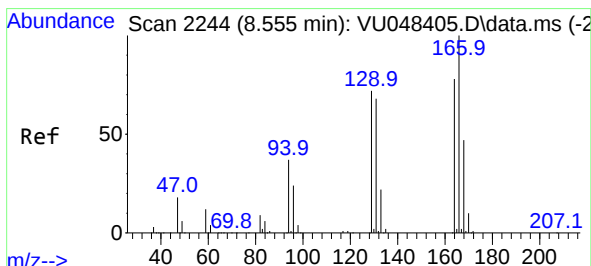
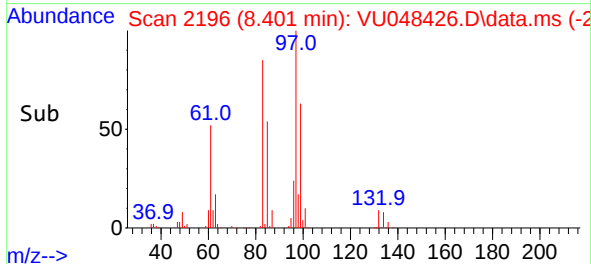
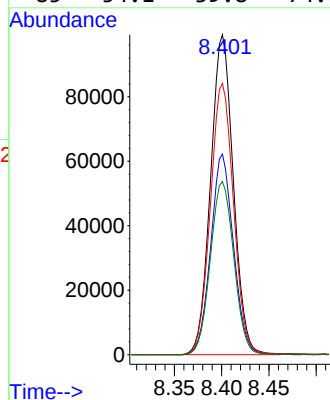
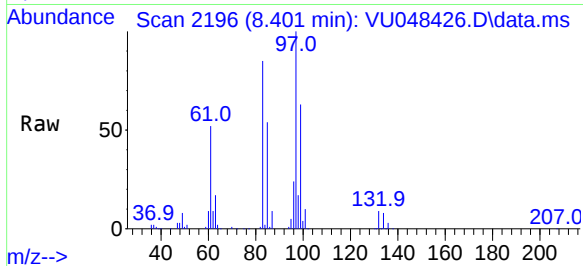


#45
1,1,2-Trichloroethane
Concen: 49.649 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

Tgt Ion: 97 Resp: 166329

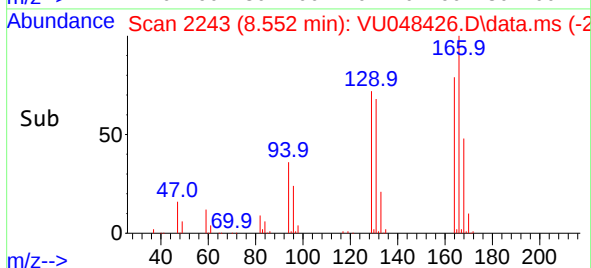
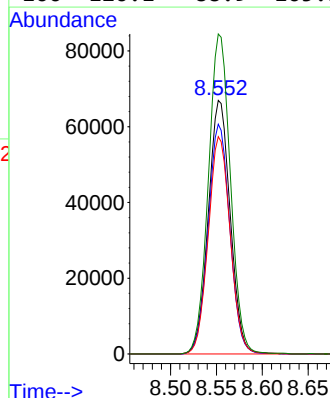
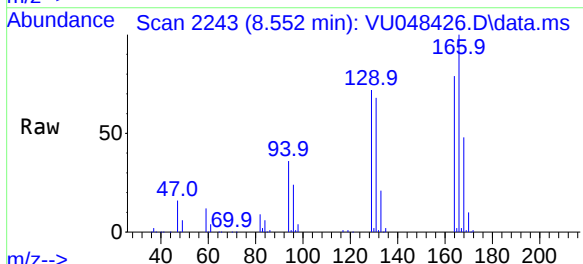
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.7	81.1
83	84.8	62.6	116.2
85	54.1	39.8	74.0

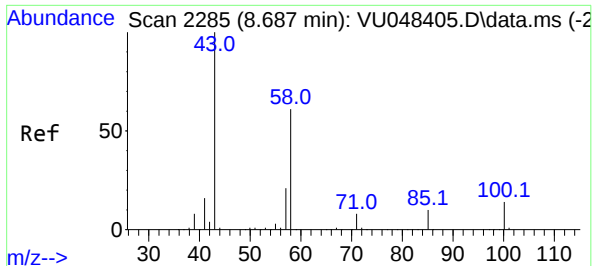


#46
Tetrachloroethene
Concen: 47.267 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion: 164 Resp: 111592

Ion	Ratio	Lower	Upper
164	100		
129	90.6	63.3	117.7
131	85.6	61.2	113.6
166	126.1	88.9	165.1

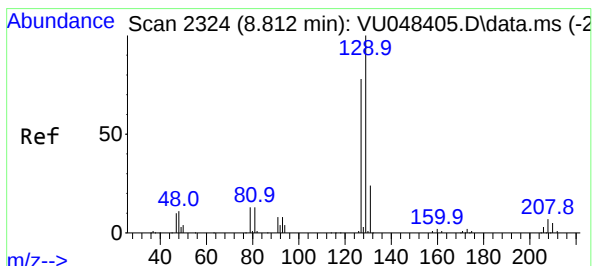
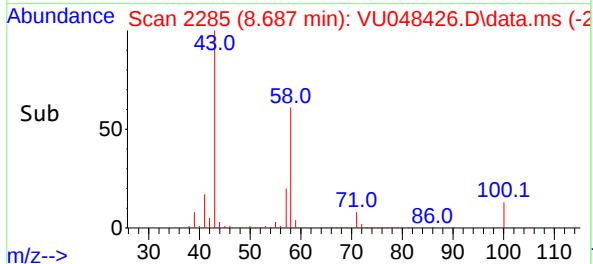
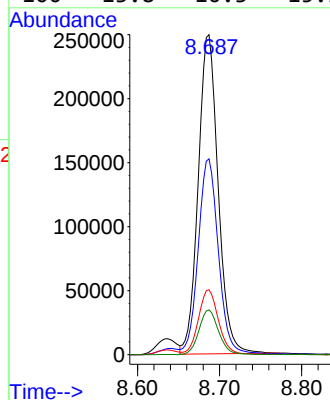
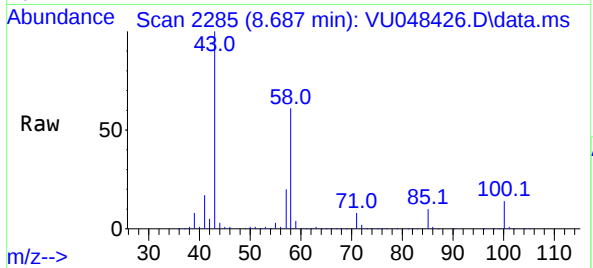




#48
2-Hexanone
Concen: 104.886 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

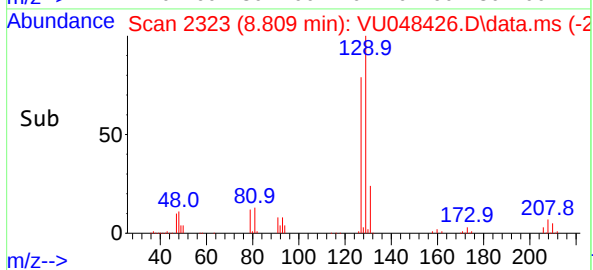
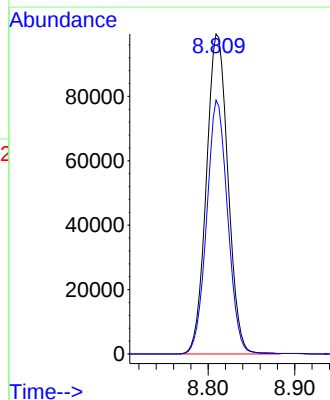
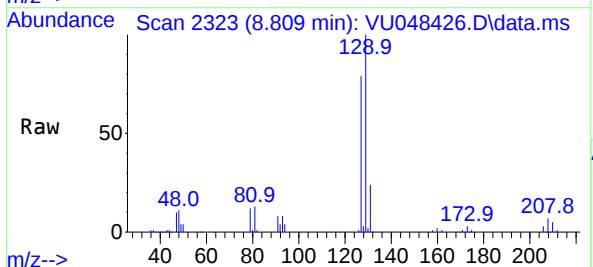
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

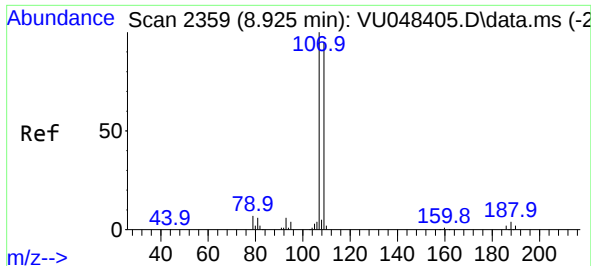
Tgt Ion: 43 Resp: 421821
Ion Ratio Lower Upper
43 100
58 61.4 48.1 72.1
57 20.2 16.2 24.4
100 13.8 10.3 15.5



#49
Dibromochloromethane
Concen: 46.852 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion: 129 Resp: 172475
Ion Ratio Lower Upper
129 100
127 79.3 53.8 99.8

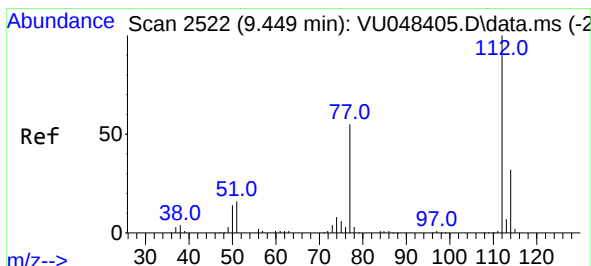
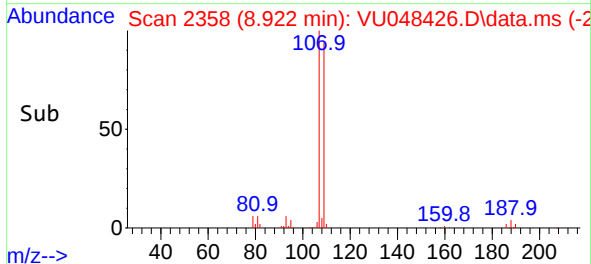
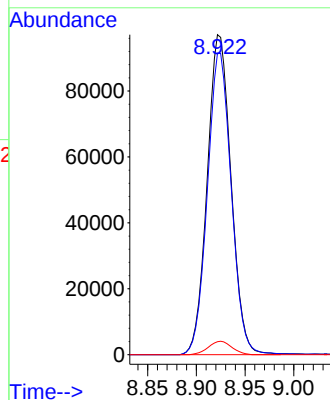
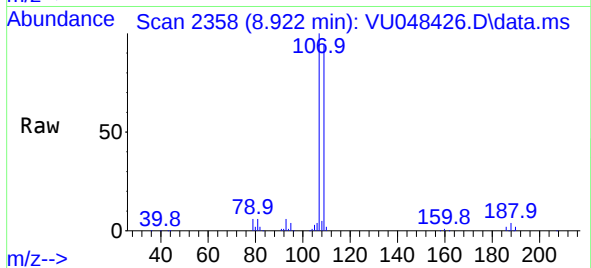




#50
1,2-Dibromoethane
Concen: 48.682 ug/L
RT: 8.922 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

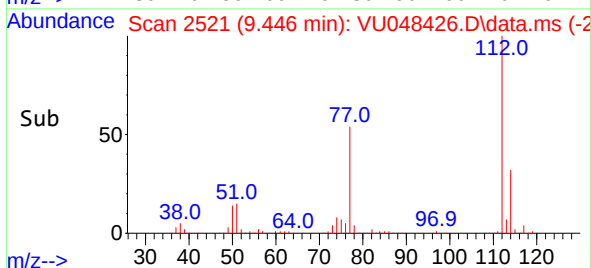
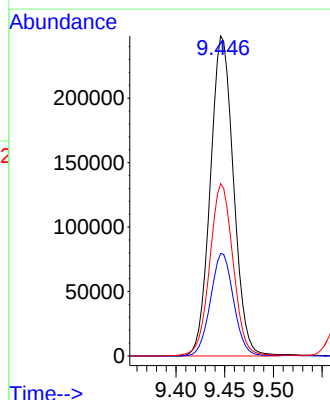
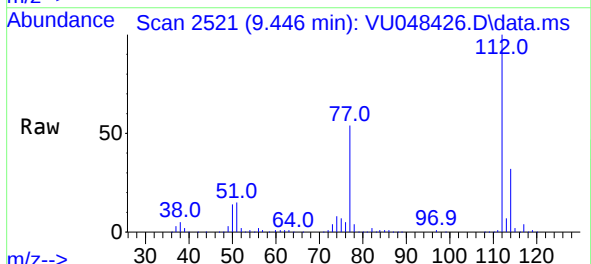
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

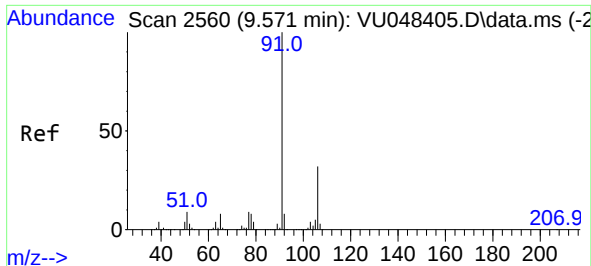
Tgt Ion:107 Resp: 165388
Ion Ratio Lower Upper
107 100
109 94.2 65.0 120.8
188 4.0 3.1 4.7



#51
Chlorobenzene
Concen: 48.417 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion:112 Resp: 411215
Ion Ratio Lower Upper
112 100
114 32.0 22.7 42.1
77 53.8 44.3 66.5

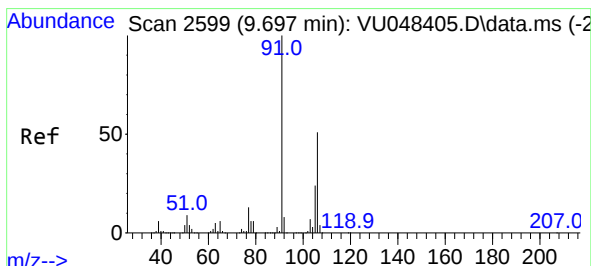
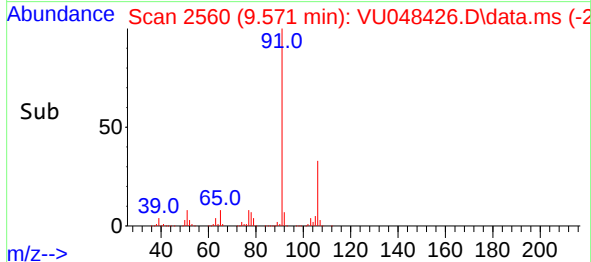
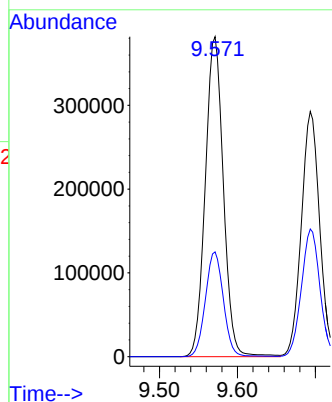
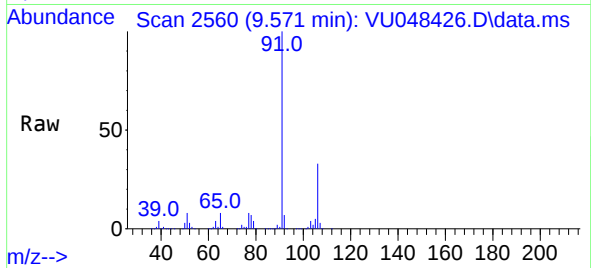




#52
Ethylbenzene
Concen: 50.375 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

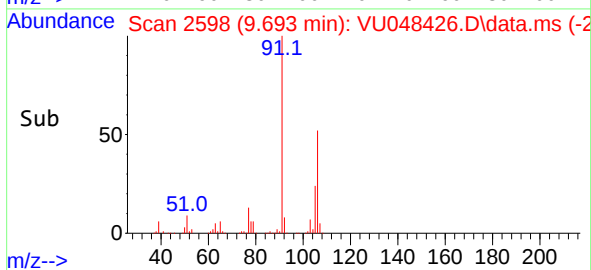
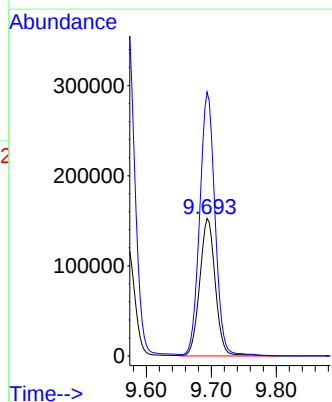
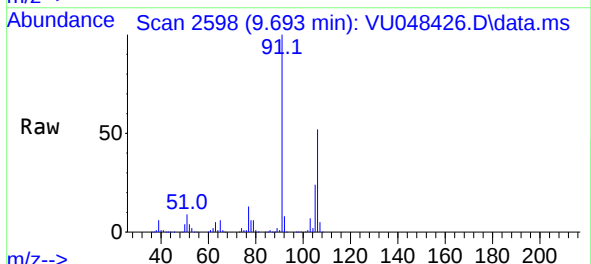
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

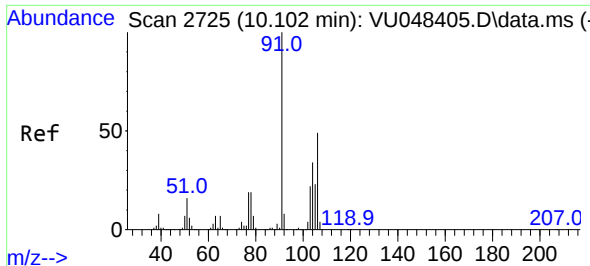
Tgt Ion: 91 Resp: 614708
Ion Ratio Lower Upper
91 100
106 32.7 22.5 41.9



#53
m,p-Xylene
Concen: 52.840 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion: 106 Resp: 254449
Ion Ratio Lower Upper
106 100
91 192.1 137.4 255.2

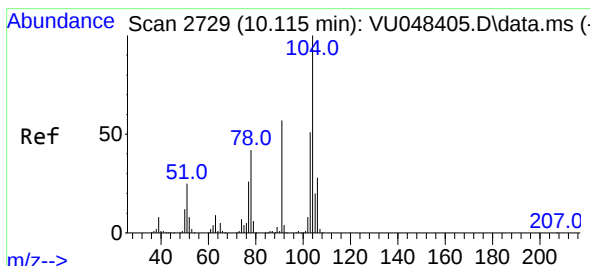
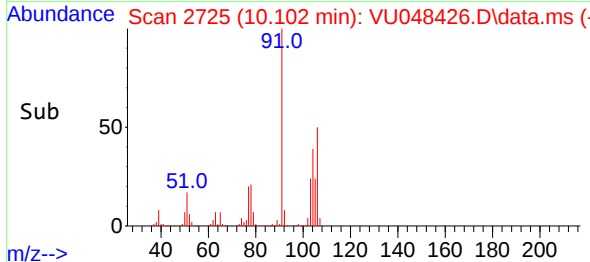
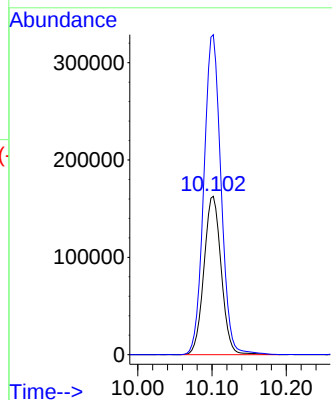
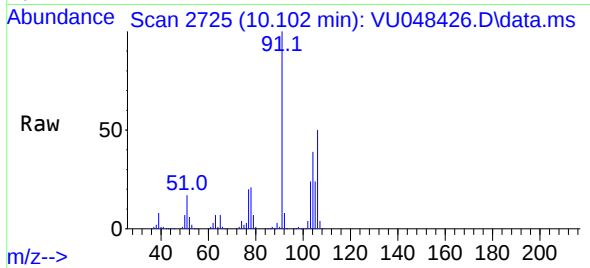




#54
o-Xylene
Concen: 54.205 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

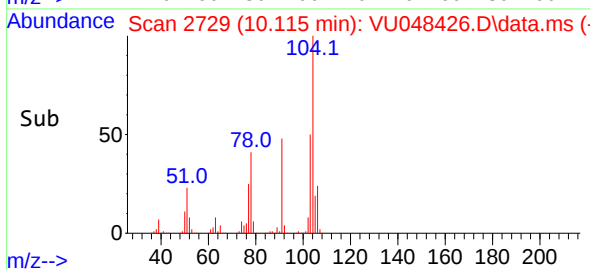
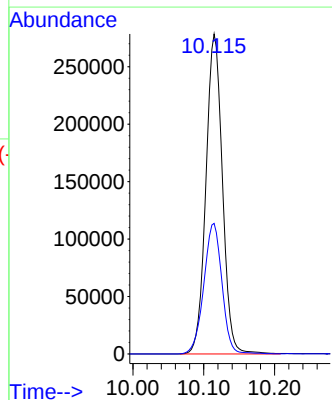
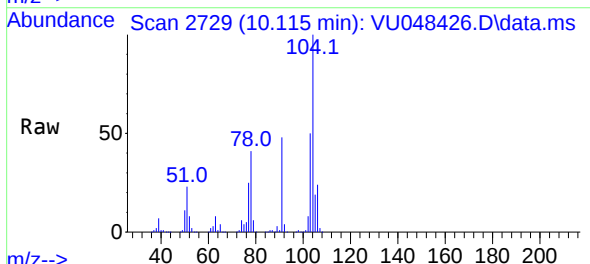
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

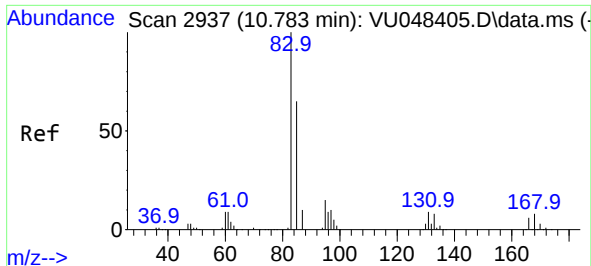
Tgt Ion:106 Resp: 262957
Ion Ratio Lower Upper
106 100
91 202.0 145.3 269.8



#55
Styrene
Concen: 54.598 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion:104 Resp: 451207
Ion Ratio Lower Upper
104 100
78 40.8 30.3 56.3

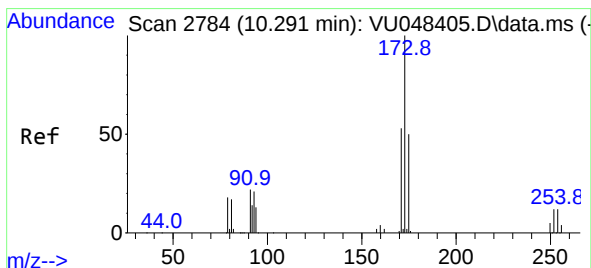
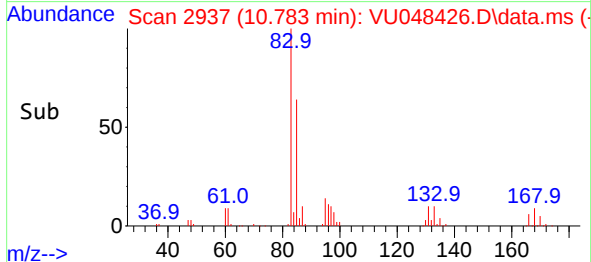
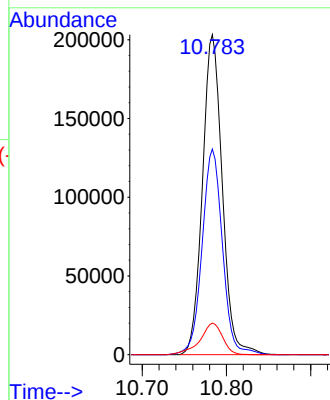
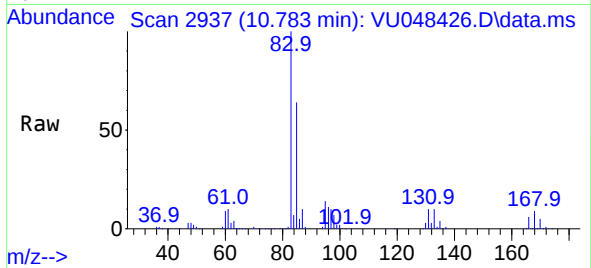




#57
1,1,2,2-Tetrachloroethane
Concen: 50.345 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

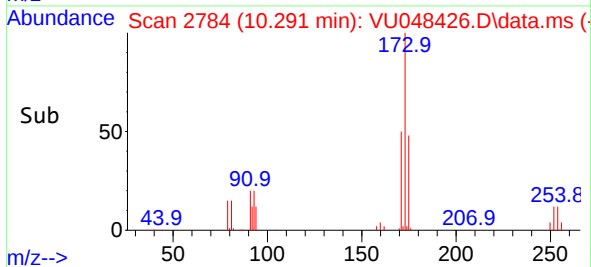
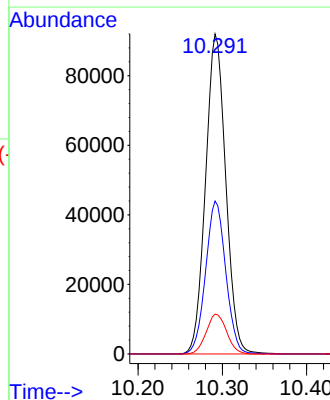
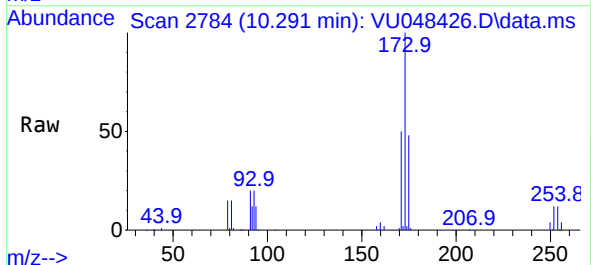
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

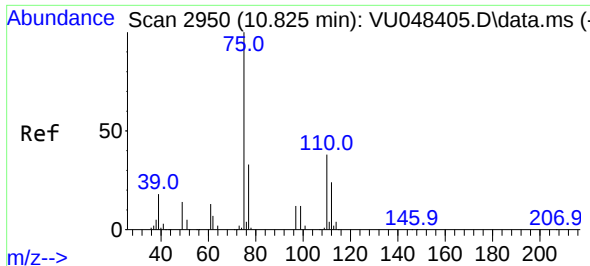
Tgt Ion: 83 Resp: 332875
Ion Ratio Lower Upper
83 100
85 64.3 45.1 83.7
131 9.9 7.8 11.6



#59
Bromoform
Concen: 48.441 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion:173 Resp: 153527
Ion Ratio Lower Upper
173 100
175 47.6 38.9 58.3
254 12.6 9.5 14.3



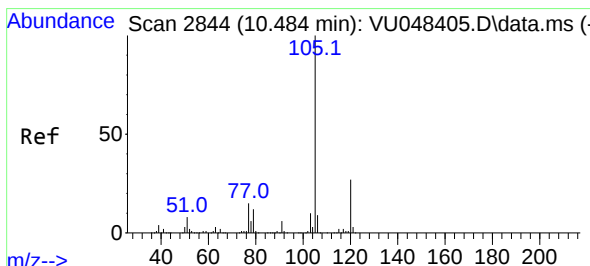
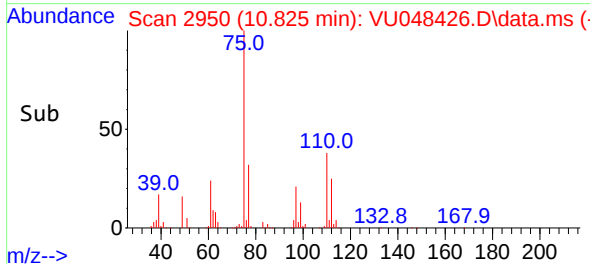
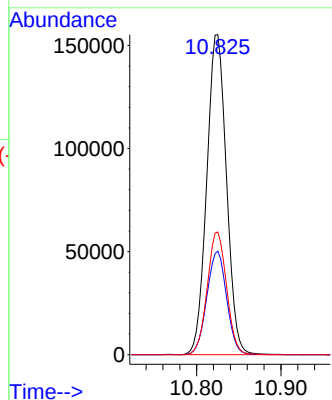
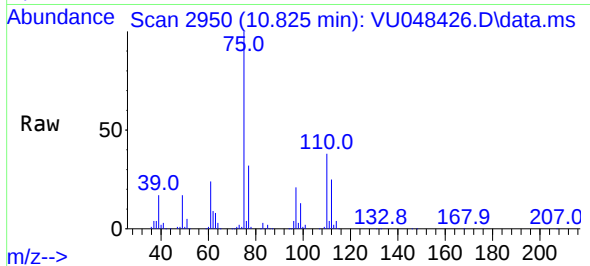


#60
1,2,3-Trichloropropane
Concen: 49.639 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

Tgt Ion: 75 Resp: 252893

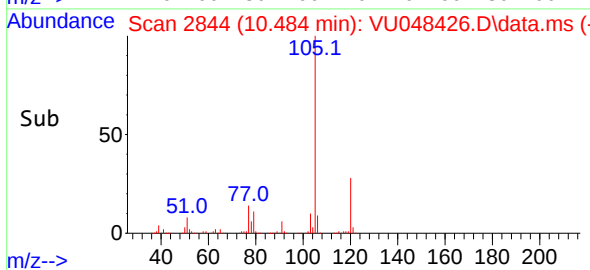
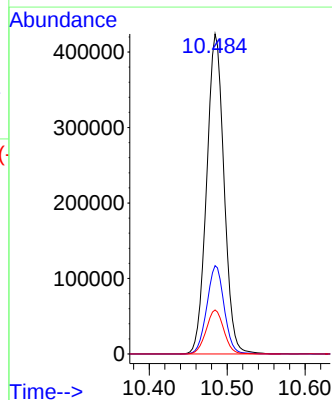
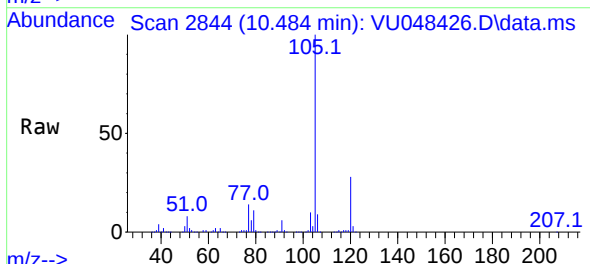
Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.8	38.8
110	37.7	29.9	44.9

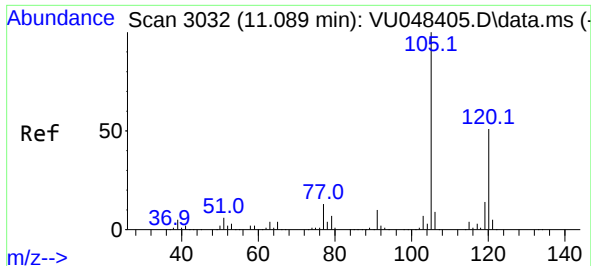


#61
Isopropylbenzene
Concen: 53.766 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion: 105 Resp: 656516

Ion	Ratio	Lower	Upper
105	100		
120	27.6	21.7	32.5
77	14.0	11.7	17.5

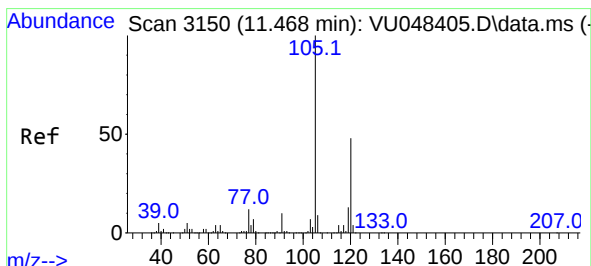
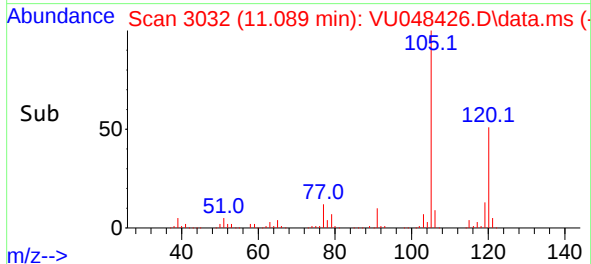
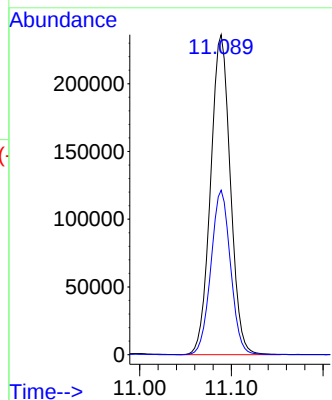
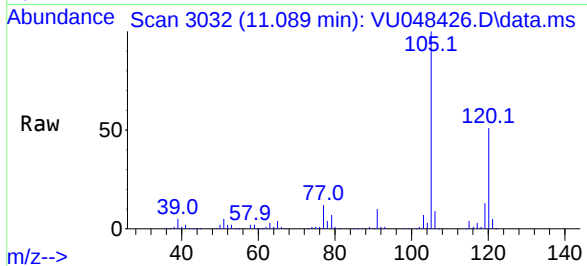




#62
1,3,5-Trimethylbenzene
Concen: 55.019 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

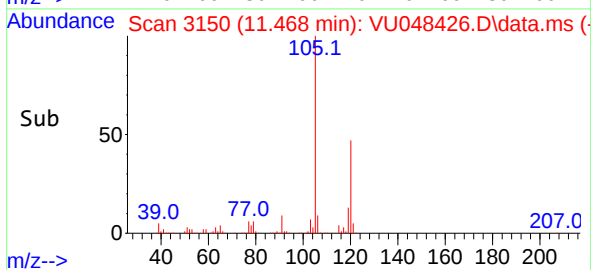
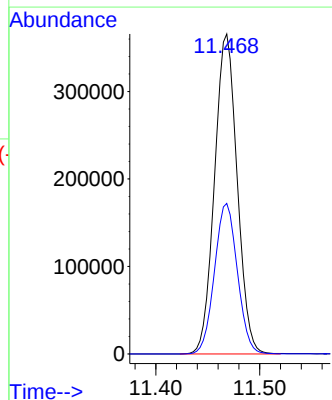
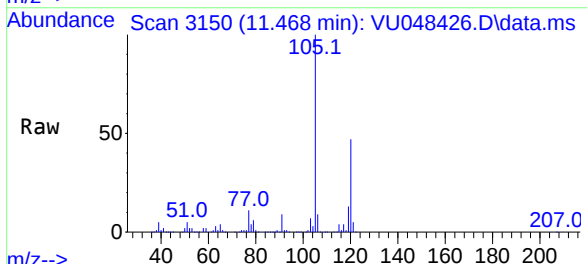
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

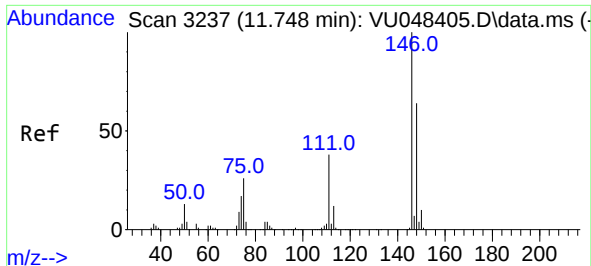
Tgt Ion:105 Resp: 354087
Ion Ratio Lower Upper
105 100
120 50.9 40.7 61.1



#63
1,2,4-Trimethylbenzene
Concen: 55.922 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion:105 Resp: 553329
Ion Ratio Lower Upper
105 100
120 47.6 38.0 57.0

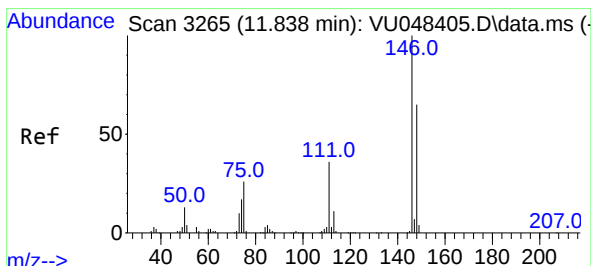
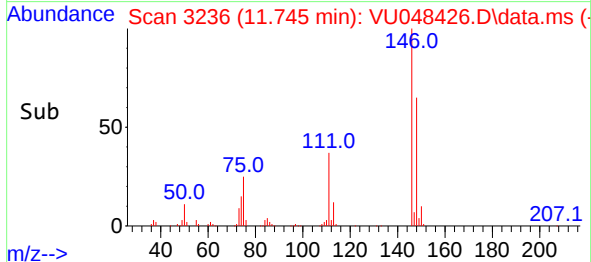
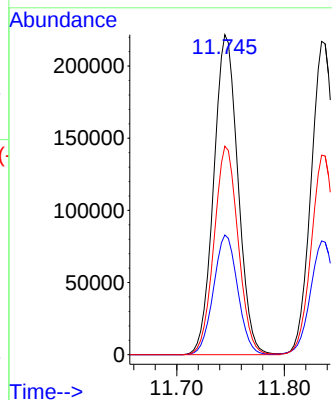
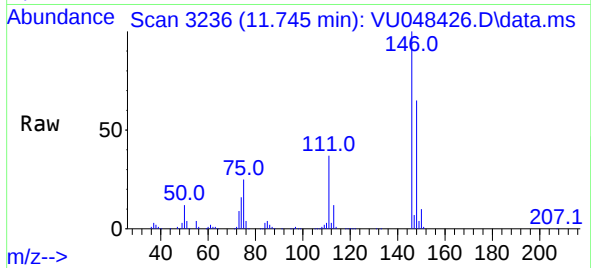




#64
1,3-Dichlorobenzene
Concen: 50.787 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

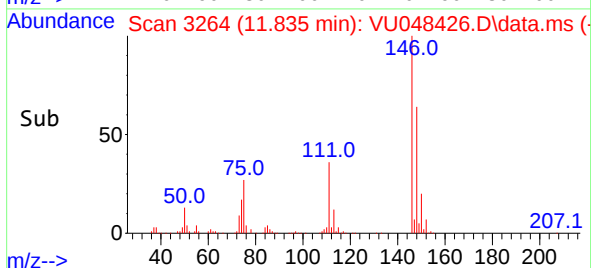
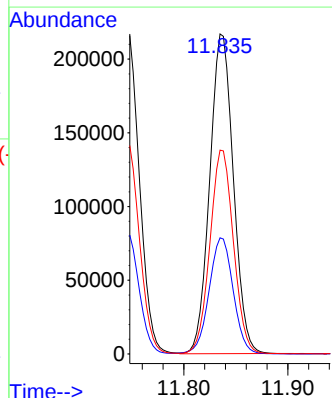
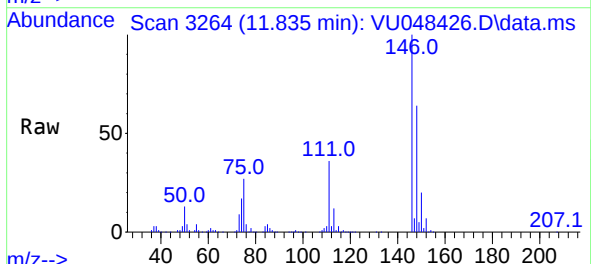
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

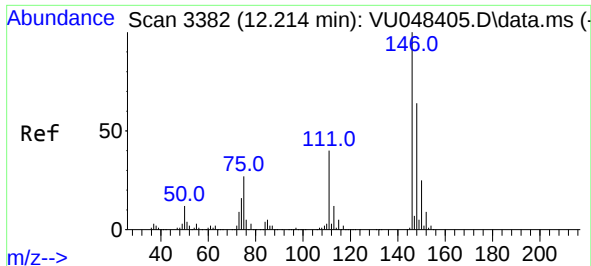
Tgt Ion:146 Resp: 347672
Ion Ratio Lower Upper
146 100
111 37.4 26.7 49.7
148 65.2 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 49.001 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion:146 Resp: 342456
Ion Ratio Lower Upper
146 100
111 36.3 25.9 48.1
148 63.7 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 51.354 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU048426.D

Acq: 04 May 2022 20:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD050114

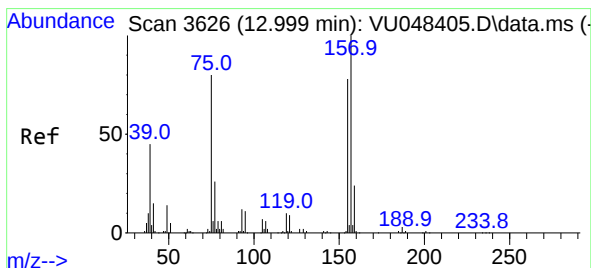
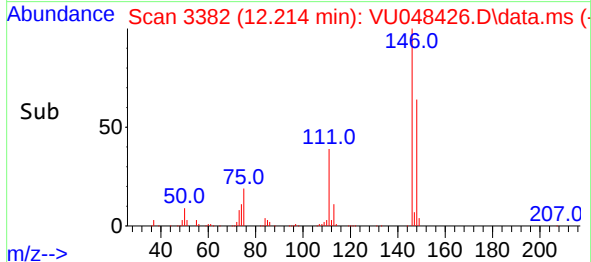
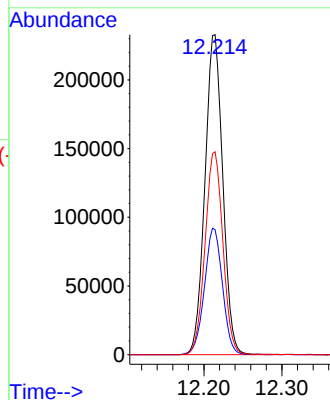
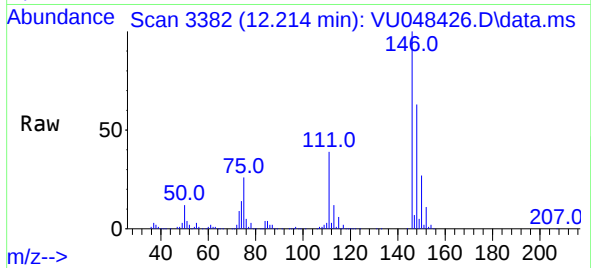
Tgt Ion:146 Resp: 370336

Ion Ratio Lower Upper

146 100

111 39.1 31.7 47.5

148 63.4 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 47.007 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU048426.D

Acq: 04 May 2022 20:30

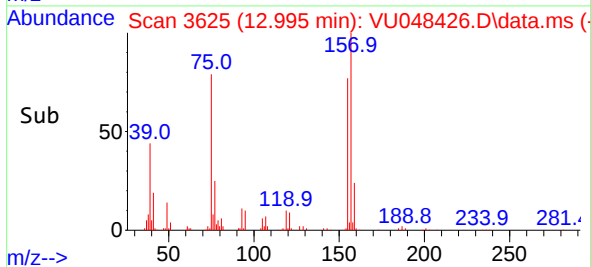
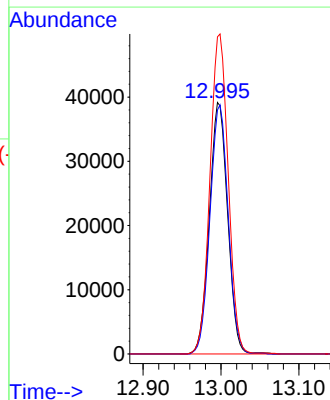
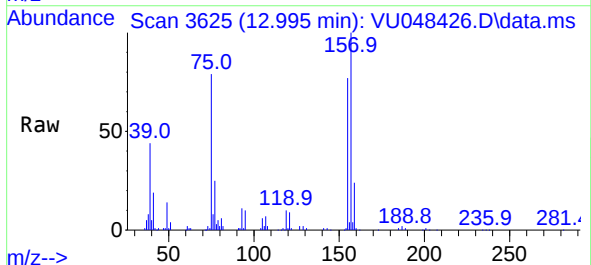
Tgt Ion: 75 Resp: 63930

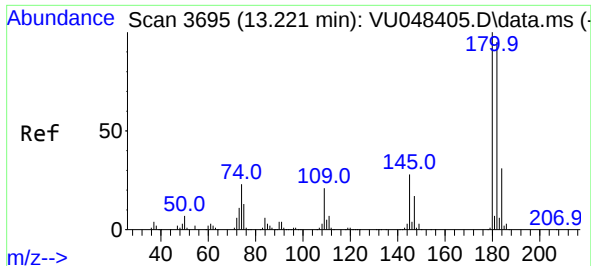
Ion Ratio Lower Upper

75 100

155 97.0 71.8 107.6

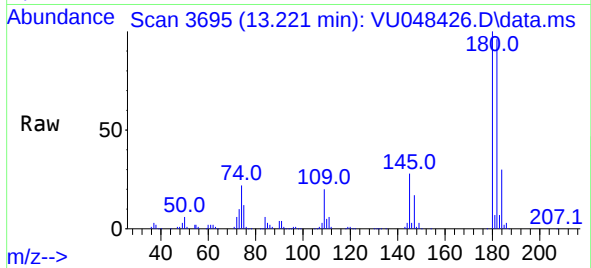
157 126.1 93.4 140.2



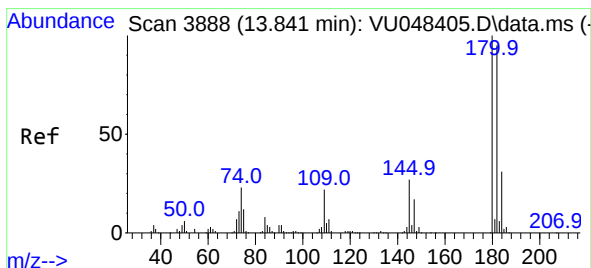
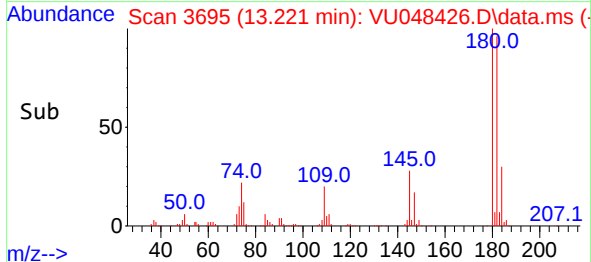
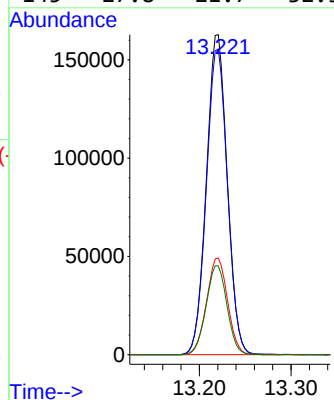


#69
 1,3,5-Trichlorobenzene
 Concen: 50.662 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU048426.D
 Acq: 04 May 2022 20:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050114

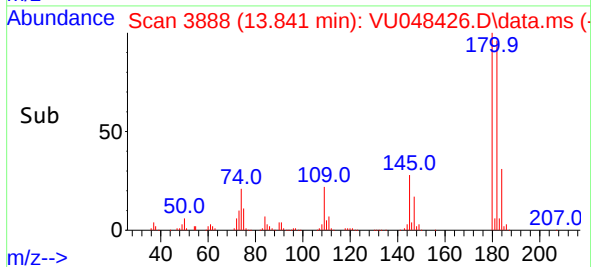
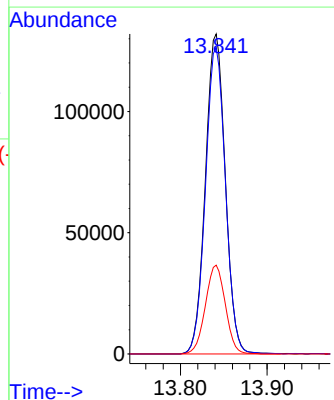
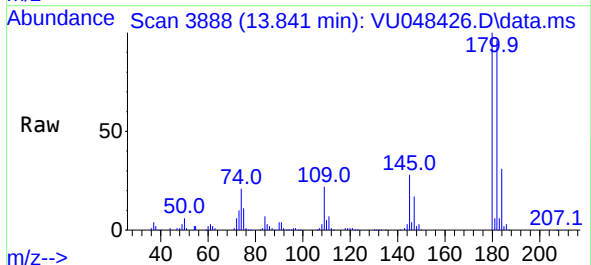


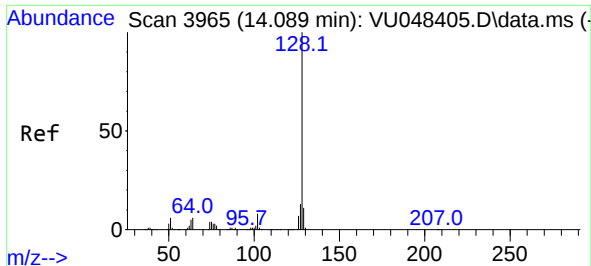
Tgt Ion:180 Resp: 257711
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.0 115.4
 184 30.4 24.6 37.0
 145 27.8 21.7 32.5



#70
 1,2,4-trichlorobenzene
 Concen: 52.433 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU048426.D
 Acq: 04 May 2022 20:30

Tgt Ion:180 Resp: 210713
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.3 114.5
 145 27.8 22.6 33.8

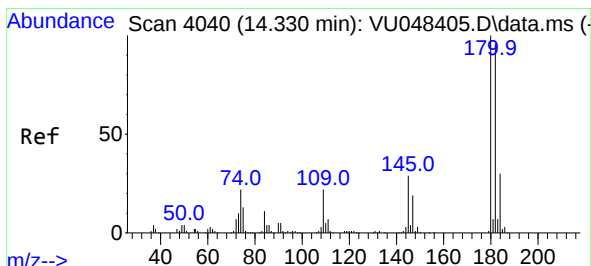
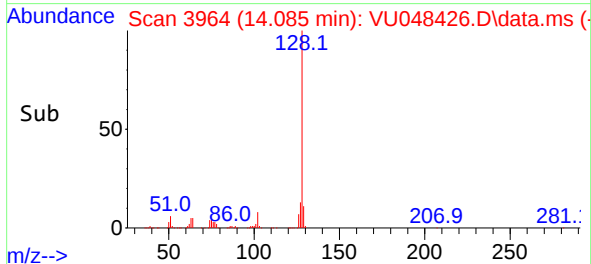
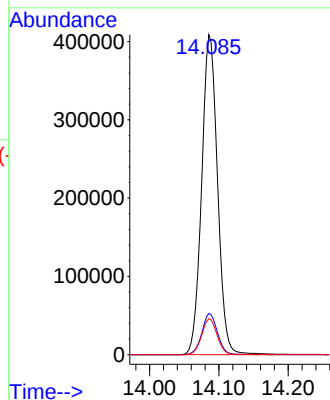
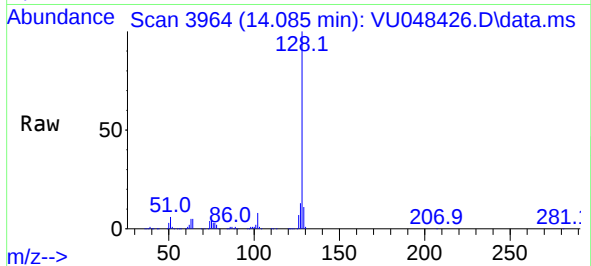




#71
Naphthalene
Concen: 56.567 ug/L
RT: 14.085 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

Tgt Ion:128 Resp: 650569
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 53.630 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048426.D
Acq: 04 May 2022 20:30

Tgt Ion:180 Resp: 220874
Ion Ratio Lower Upper
180 100
182 96.0 75.8 113.6
145 29.4 23.5 35.3

