

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082422\
 Data File : VU050421.D
 Acq On : 24 Aug 2022 11:46
 Operator : SY/MD
 Sample : VSTD05009
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050009

Quant Time: Aug 25 04:25:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM082422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 25 04:23:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	343940	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	336928	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	161311	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	202892	64.715	ug/L	0.00
7) Chloroethane-d5	1.906	69	161034	69.100	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	287919	54.642	ug/L	0.00
21) 2-Butanone-d5	4.623	46	269510	106.588	ug/L	0.00
24) Chloroform-d	5.063	84	325465	60.081	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	198295	55.016	ug/L	0.00
32) Benzene-d6	5.726	84	655481	60.715	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	208583	58.106	ug/L	0.00
41) Toluene-d8	7.896	98	589663	62.276	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	88350	58.503	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	161768	103.641	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	319103	62.027	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	191967	59.752	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	133799	34.711	ug/L	100
3) Chloromethane	1.520	50	152001	35.623	ug/L	100
5) Vinyl chloride	1.604	62	153665	39.317	ug/L	100
6) Bromomethane	1.848	94	58369	33.172	ug/L	100
8) Chloroethane	1.928	64	96435	43.443	ug/L	100
9) Trichlorofluoromethane	2.134	101	195313	40.328	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	115976	44.769	ug/L	100
12) 1,1-Dichloroethene	2.578	96	105516	43.992	ug/L	100
13) Acetone	2.629	43	150860	68.245	ug/L	100
14) Carbon disulfide	2.790	76	266197	34.232	ug/L	100
15) Methyl Acetate	2.948	43	151828	41.025	ug/L	100
16) Methylene chloride	3.044	84	140403	45.822	ug/L	100
17) trans-1,2-Dichloroethene	3.353	96	110408	42.175	ug/L	100
18) Methyl tert-butyl Ether	3.362	73	350109	39.699	ug/L	100
19) 1,1-Dichloroethane	3.867	63	236057	43.373	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	134973	45.310	ug/L	100
22) 2-Butanone	4.703	43	231896	77.077	ug/L	100
23) Bromochloromethane	4.973	128	72599	48.392	ug/L	100
25) Chloroform	5.086	83	251841	45.607	ug/L	100
27) 1,2-Dichloroethane	5.793	62	187780	40.689	ug/L	100
29) Cyclohexane	5.388	56	165625	34.122	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	195500	41.711	ug/L	100
31) Carbon tetrachloride	5.523	117	160186	41.776	ug/L	100
33) Benzene	5.774	78	540783	43.935	ug/L	100
34) Trichloroethene	6.542	95	123845	41.914	ug/L	100
35) Methylcyclohexane	6.764	83	175216	38.715	ug/L	100
37) 1,2-Dichloropropane	6.790	63	149174	43.771	ug/L	100
38) Bromodichloromethane	7.105	83	188471	44.242	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	198906	43.563	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	416410	77.387	ug/L	100
42) Toluene	7.970	91	557726	45.415	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	187315	43.371	ug/L	100

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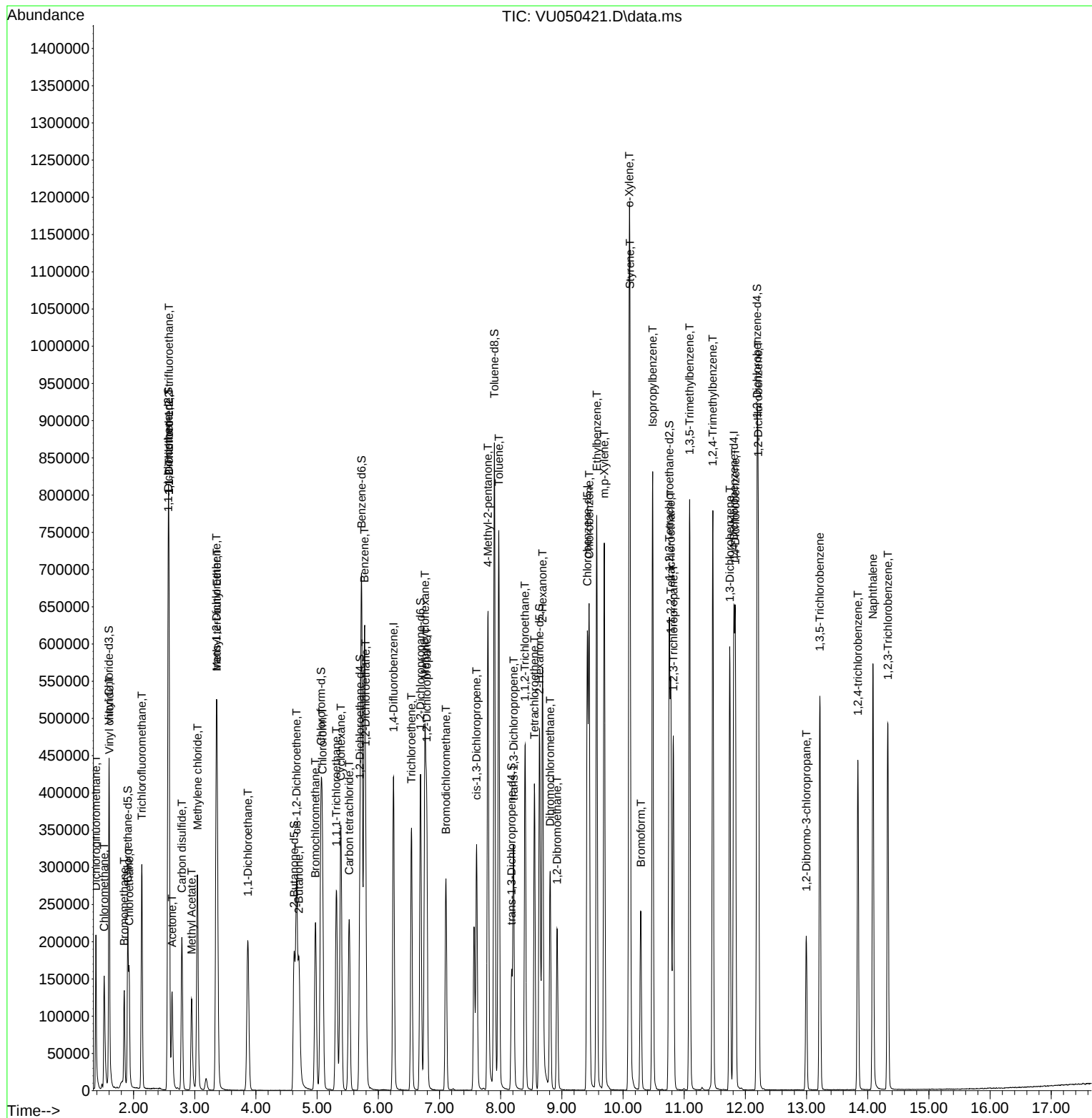
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	148098	48.439	ug/L	100
46) Tetrachloroethene	8.552	164	90486	43.860	ug/L	100
48) 2-Hexanone	8.684	43	357773	82.054	ug/L	100
49) Dibromochloromethane	8.809	129	149491	48.568	ug/L	100
50) 1,2-Dibromoethane	8.922	107	145996	47.997	ug/L	100
51) Chlorobenzene	9.446	112	340086	45.400	ug/L	100
52) Ethylbenzene	9.571	91	545434	42.702	ug/L	100
53) m,p-Xylene	9.693	106	208081	44.329	ug/L	100
54) o-Xylene	10.102	106	209379	44.466	ug/L	100
55) Styrene	10.115	104	365743	46.637	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	267848	49.032	ug/L	100
59) Bromoform	10.291	173	111519	50.693	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	203507	47.517	ug/L	100
61) Isopropylbenzene	10.484	105	531952	45.280	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	427204	43.601	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	422739	43.520	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	245632	47.129	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	242786	46.372	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	257263	47.303	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.995	75	53445	43.511	ug/L	100
69) 1,3,5-Trichlorobenzene	13.217	180	165093	45.675	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	136078	41.723	ug/L	100
71) Naphthalene	14.085	128	464513	40.353	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	153737	44.996	ug/L	100

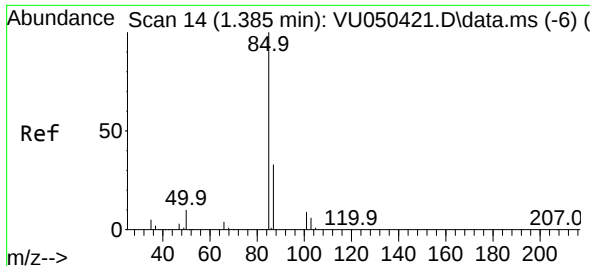
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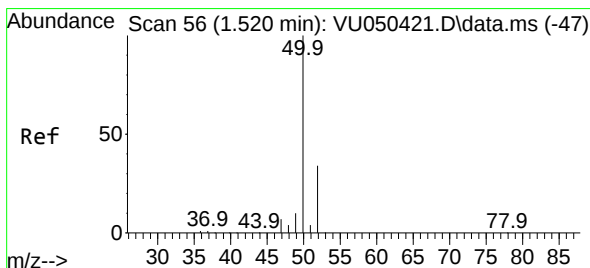
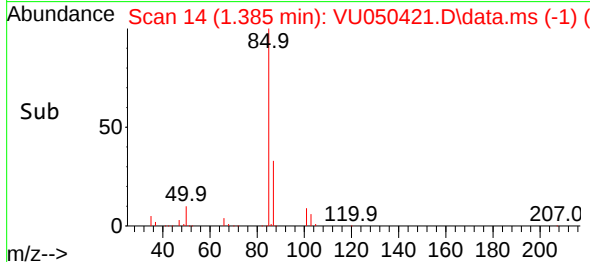
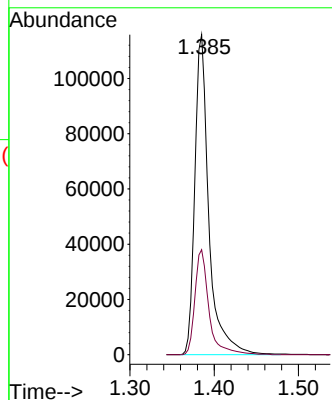
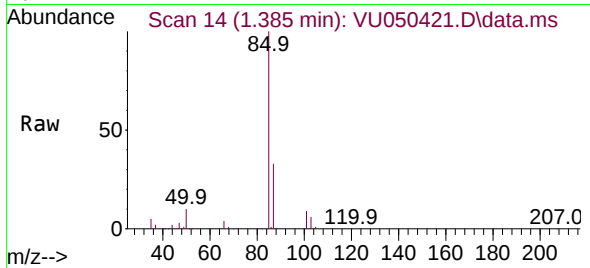




#2
Dichlorodifluoromethane
Concen: 34.711 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

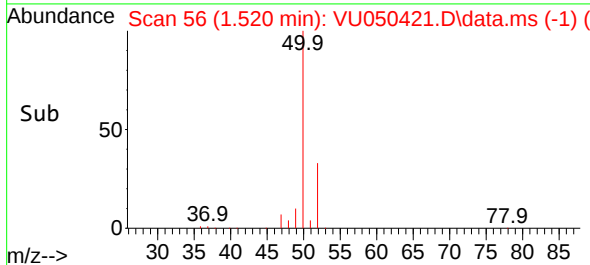
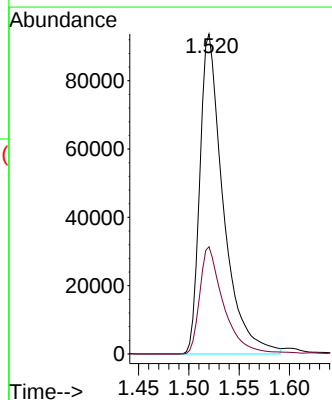
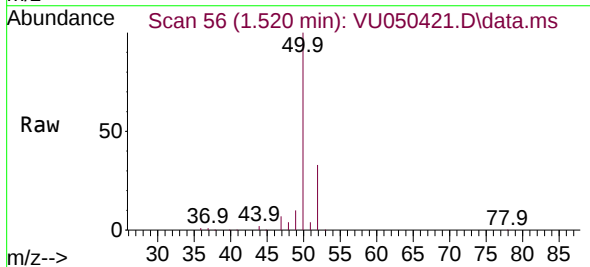
Instrument :
MSVOA_U
ClientSampleId :
VSTD050009

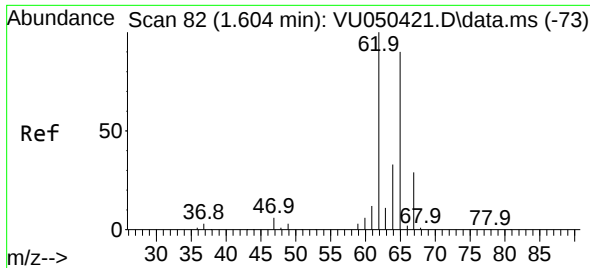
Tgt Ion: 85 Resp: 133799
Ion Ratio Lower Upper
85 100
87 32.8 26.2 39.4



#3
Chloromethane
Concen: 35.623 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

Tgt Ion: 50 Resp: 152001
Ion Ratio Lower Upper
50 100
52 33.5 23.4 43.6

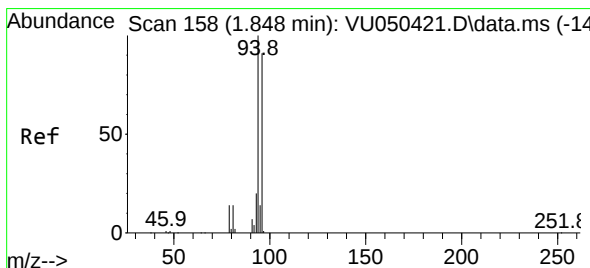
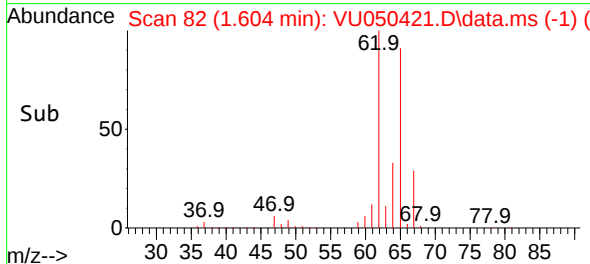
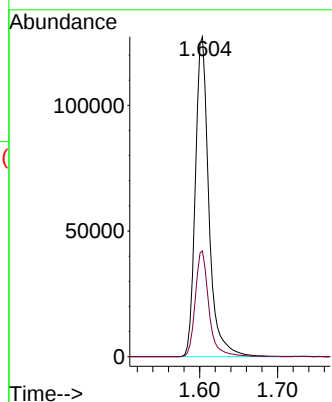
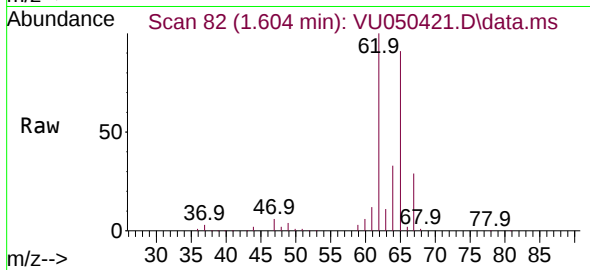




#5
 Vinyl chloride
 Concen: 39.317 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050421.D
 Acq: 24 Aug 2022 11:46

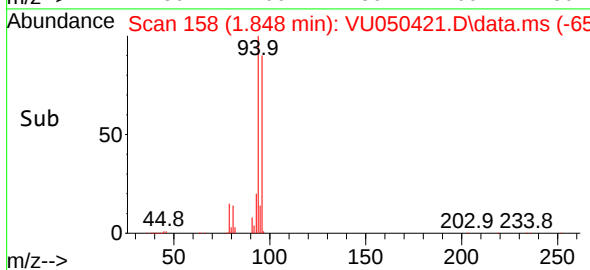
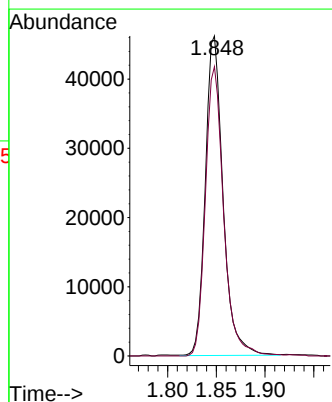
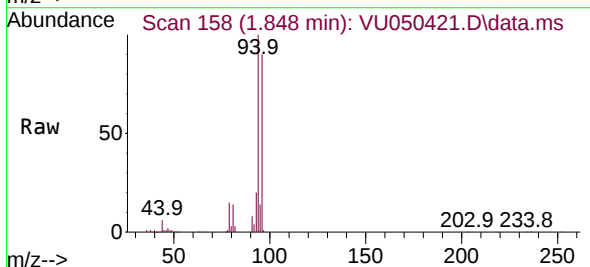
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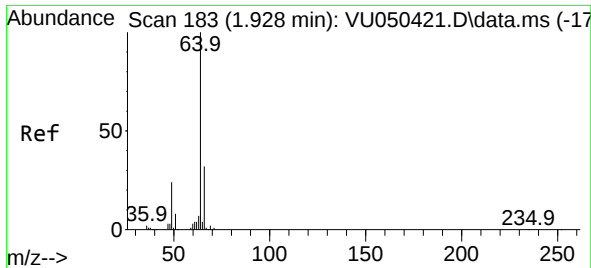
Tgt Ion: 62 Resp: 153665
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.1 42.9



#6
 Bromomethane
 Concen: 33.172 ug/L
 RT: 1.848 min Scan# 158
 Delta R.T. 0.000 min
 Lab File: VU050421.D
 Acq: 24 Aug 2022 11:46

Tgt Ion: 94 Resp: 58369
 Ion Ratio Lower Upper
 94 100
 96 90.4 63.3 117.5

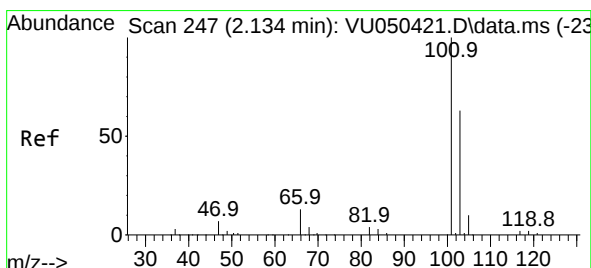
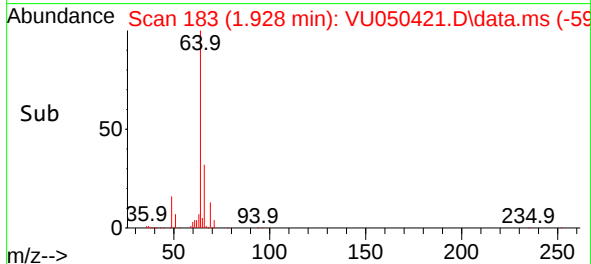
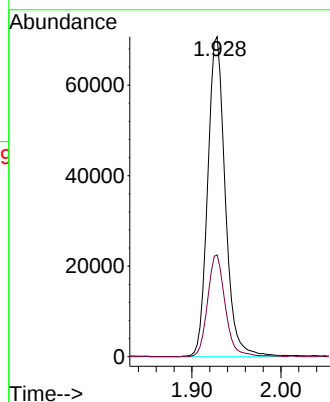
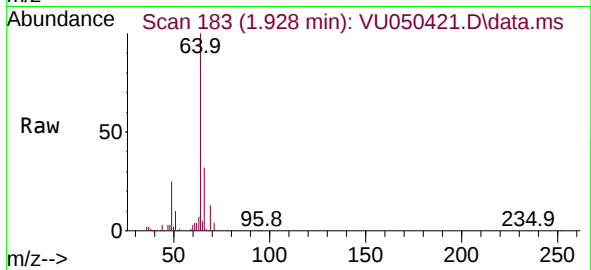




#8
Chloroethane
Concen: 43.443 ug/L
RT: 1.928 min Scan# 183
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

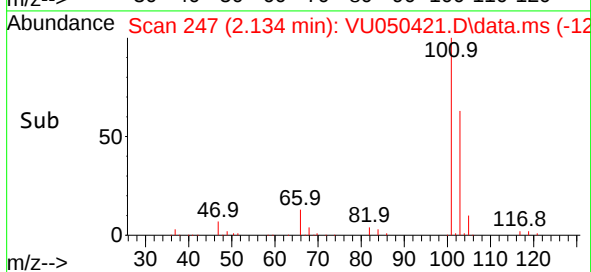
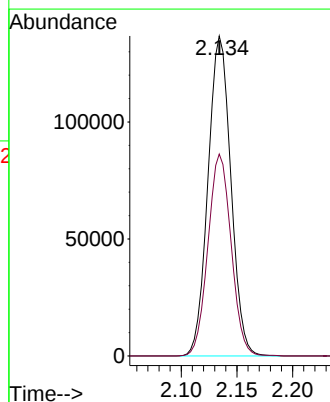
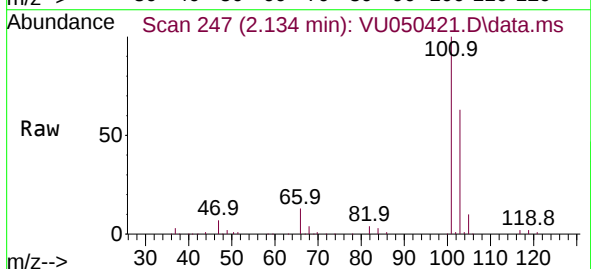
Instrument :
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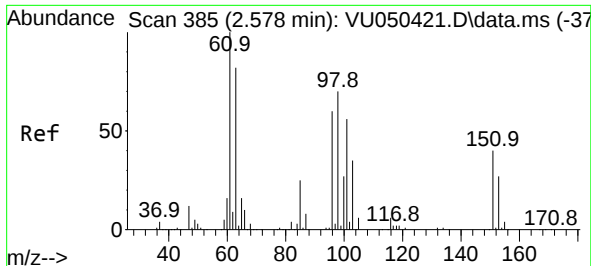
Tgt Ion: 64 Resp: 96435
Ion Ratio Lower Upper
64 100
66 31.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 40.328 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

Tgt Ion:101 Resp: 195313
Ion Ratio Lower Upper
101 100
103 63.9 51.1 76.7

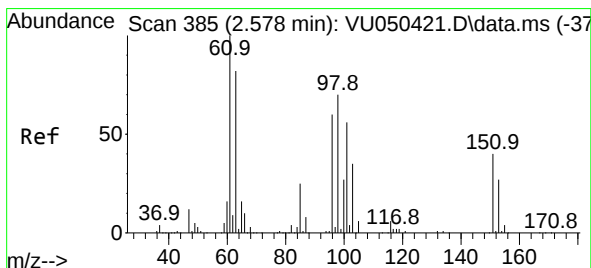
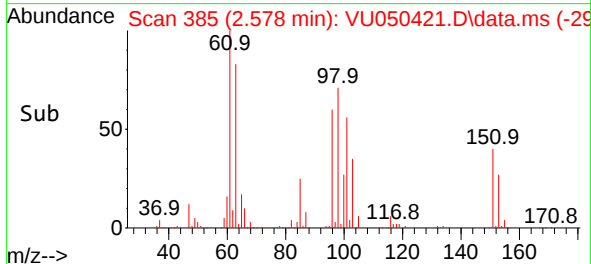
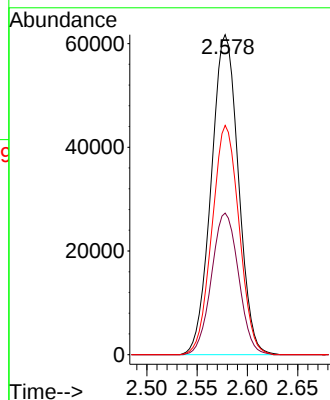
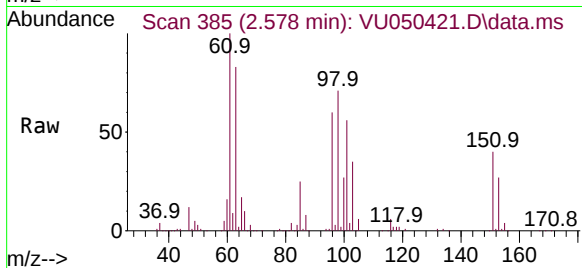




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 44.769 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU050421.D
 Acq: 24 Aug 2022 11:46

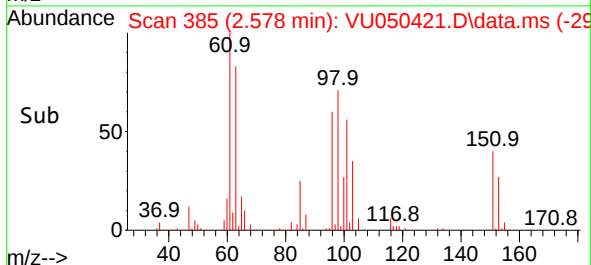
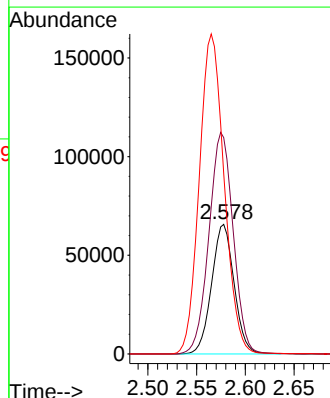
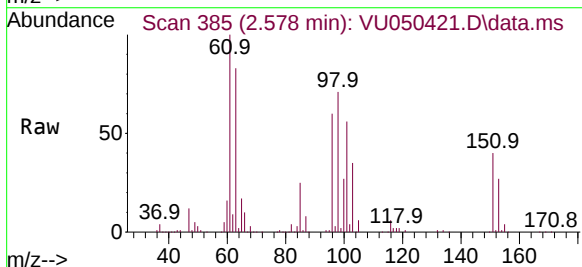
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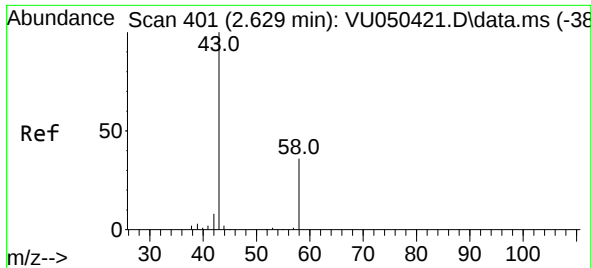
Tgt Ion:101 Resp: 115976
 Ion Ratio Lower Upper
 101 100
 85 44.1 35.3 52.9
 151 71.6 57.3 85.9



#12
 1,1-Dichloroethene
 Concen: 43.992 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU050421.D
 Acq: 24 Aug 2022 11:46

Tgt Ion: 96 Resp: 105516
 Ion Ratio Lower Upper
 96 100
 61 166.8 116.8 216.8
 63 139.1 97.4 180.8





#13

Acetone

Concen: 68.245 ug/L

RT: 2.629 min Scan# 401

Delta R.T. 0.000 min

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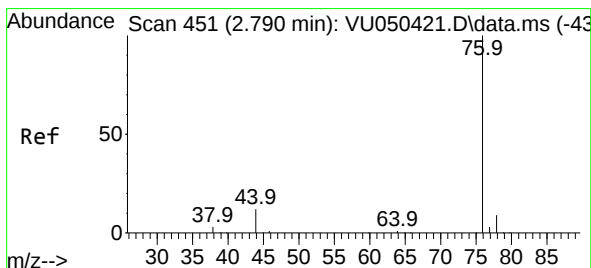
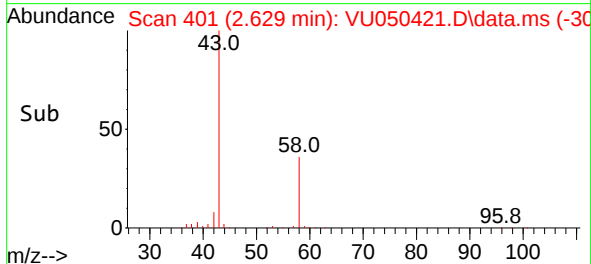
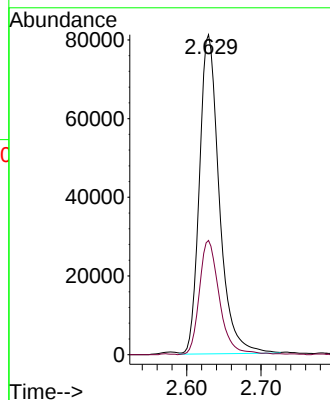
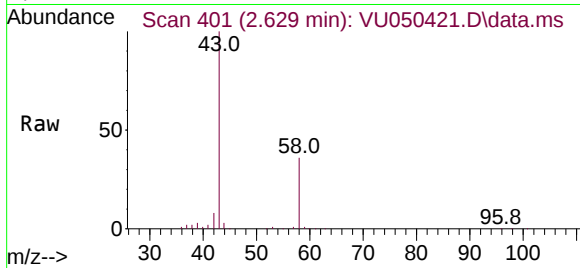
VSTD050009

Tgt Ion: 43 Resp: 150860

Ion Ratio Lower Upper

43 100

58 36.1 0.0 72.2



#14

Carbon disulfide

Concen: 34.232 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU050421.D

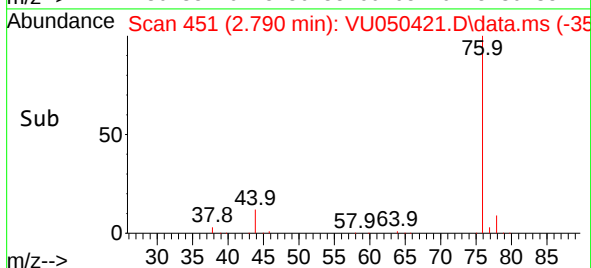
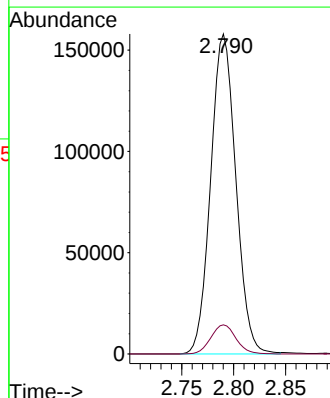
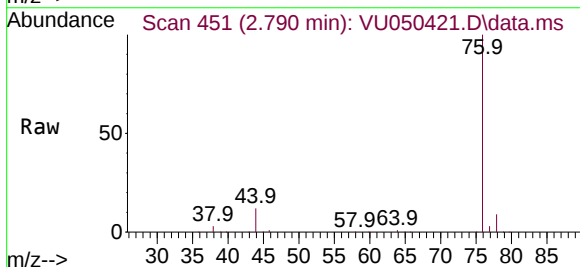
Acq: 24 Aug 2022 11:46

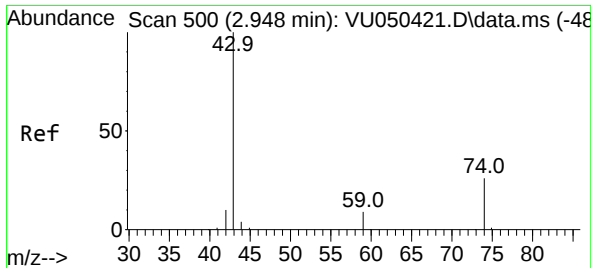
Tgt Ion: 76 Resp: 266197

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

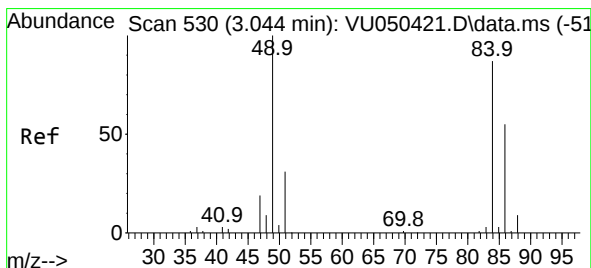
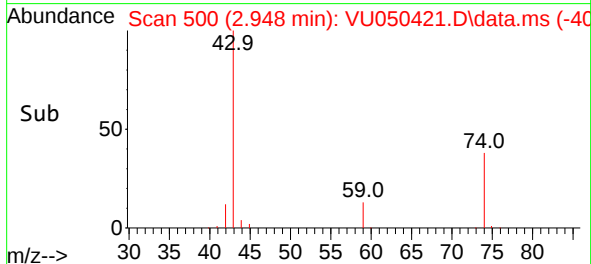
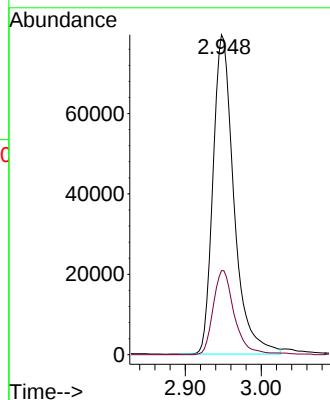
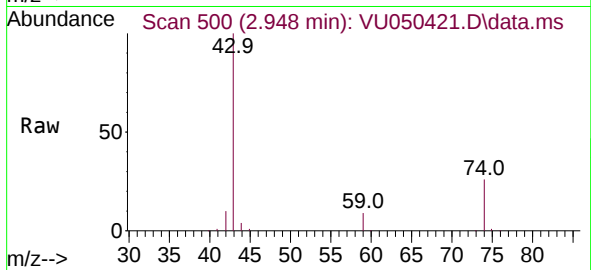




#15
Methyl Acetate
Concen: 41.025 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

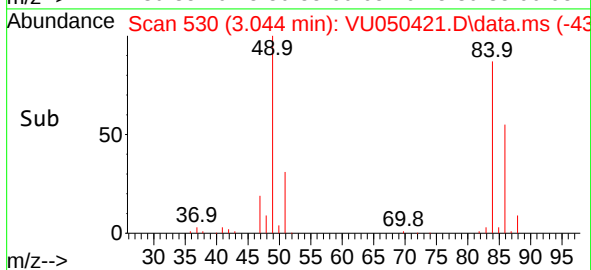
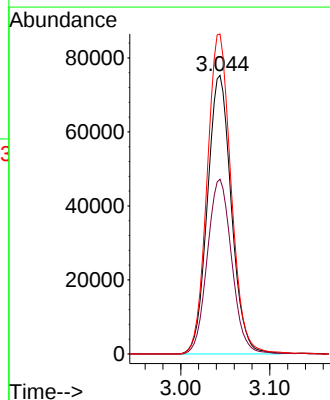
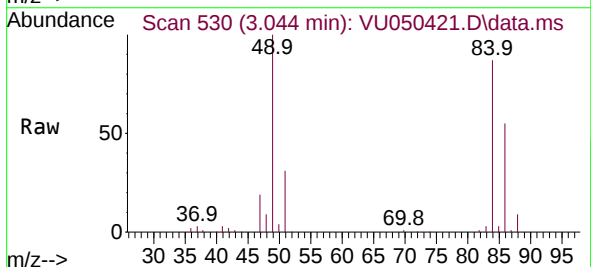
Instrument :
MSVOA_U
ClientSampleId :
VSTD050009

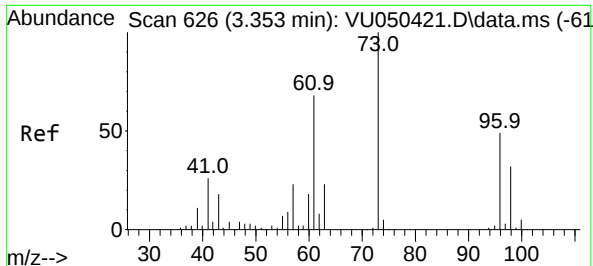
Tgt Ion: 43 Resp: 151828
Ion Ratio Lower Upper
43 100
74 26.5 21.2 31.8



#16
Methylene chloride
Concen: 45.822 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

Tgt Ion: 84 Resp: 140403
Ion Ratio Lower Upper
84 100
86 62.7 43.9 81.5
49 114.9 80.4 149.4





#17

trans-1,2-Dichloroethene

Concen: 42.175 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU050421.D

Acq: 24 Aug 2022 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD050009

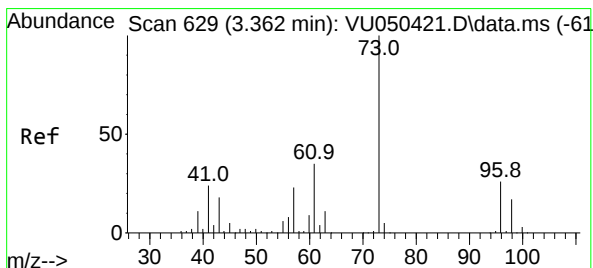
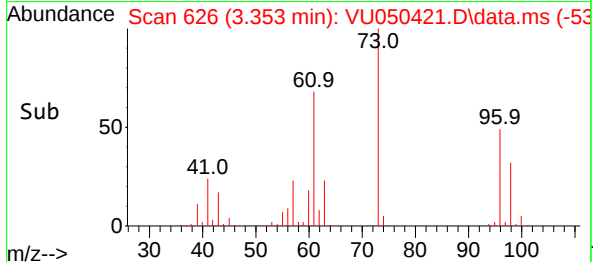
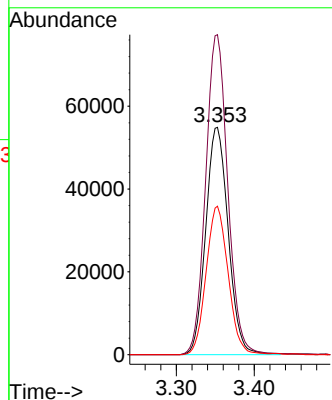
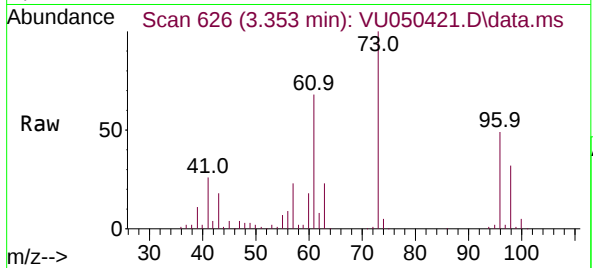
Tgt Ion: 96 Resp: 110408

Ion Ratio Lower Upper

96 100

61 140.7 98.5 182.9

98 65.3 45.7 84.9



#18

Methyl tert-butyl Ether

Concen: 39.699 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU050421.D

Acq: 24 Aug 2022 11:46

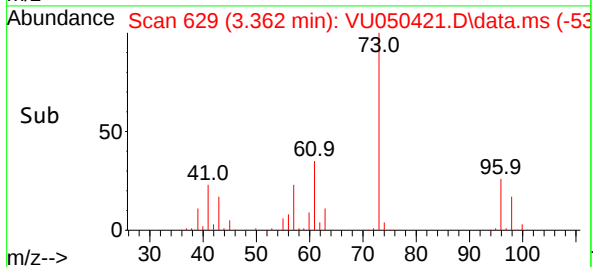
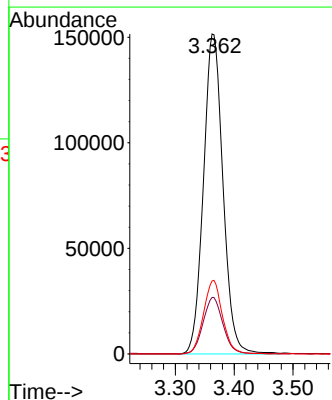
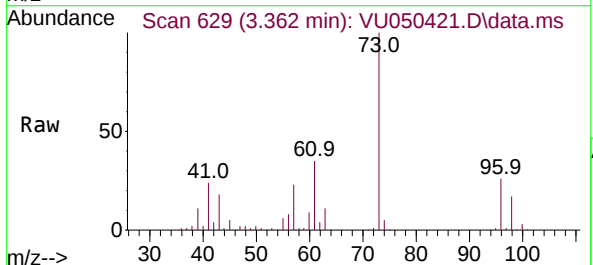
Tgt Ion: 73 Resp: 350109

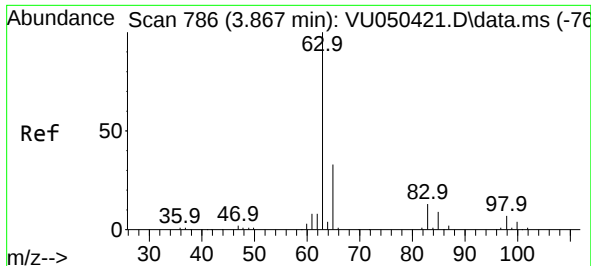
Ion Ratio Lower Upper

73 100

43 18.0 14.4 21.6

57 22.3 17.8 26.8





#19

1,1-Dichloroethane

Concen: 43.373 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU050421.D

Acq: 24 Aug 2022 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD050009

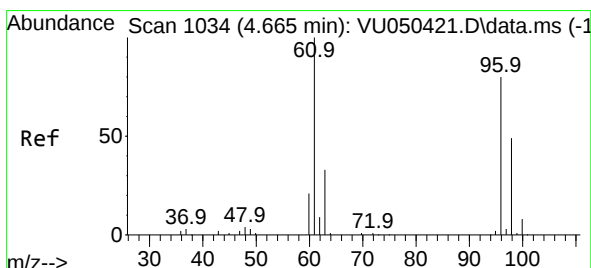
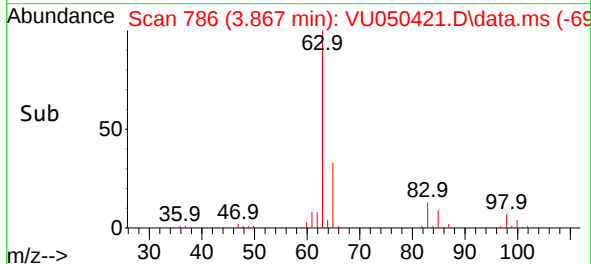
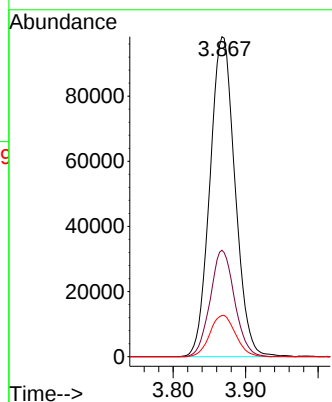
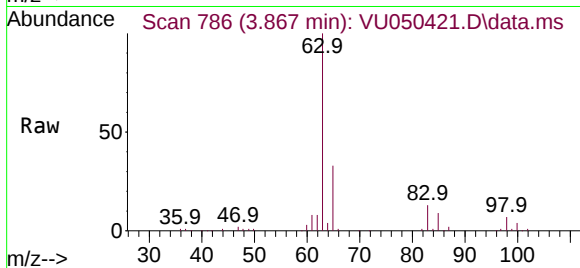
Tgt Ion: 63 Resp: 236057

Ion Ratio Lower Upper

63 100

65 33.3 23.3 43.3

83 12.9 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 45.310 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050421.D

Acq: 24 Aug 2022 11:46

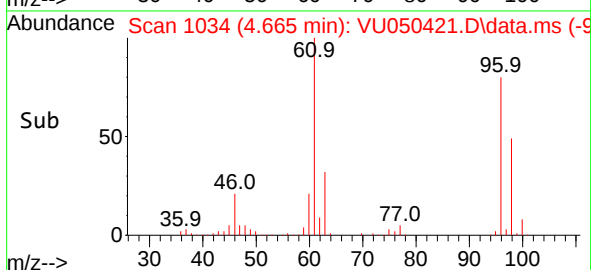
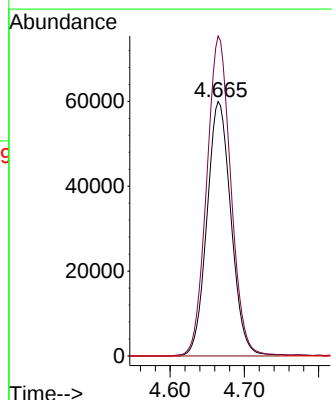
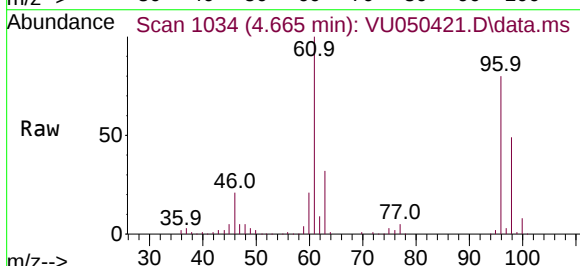
Tgt Ion: 96 Resp: 134973

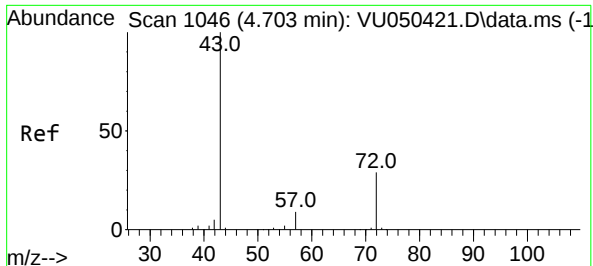
Ion Ratio Lower Upper

96 100

61 125.8 88.1 163.5

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 77.077 ug/L

RT: 4.703 min Scan# 1046

Delta R.T. 0.000 min

Lab File: VU050421.D

Acq: 24 Aug 2022 11:46

Instrument :

MSVOA_U

ClientSampleId :

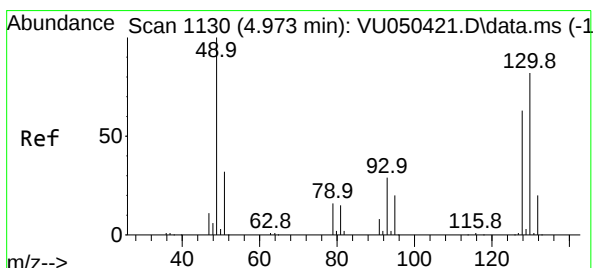
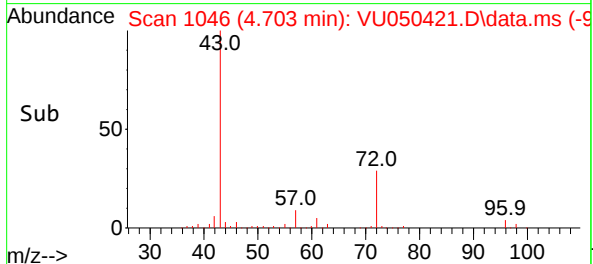
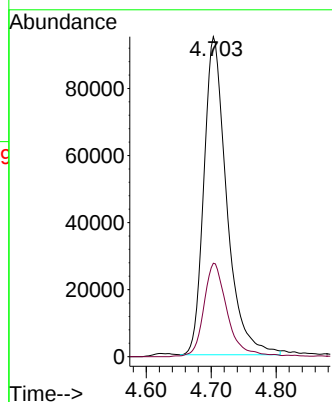
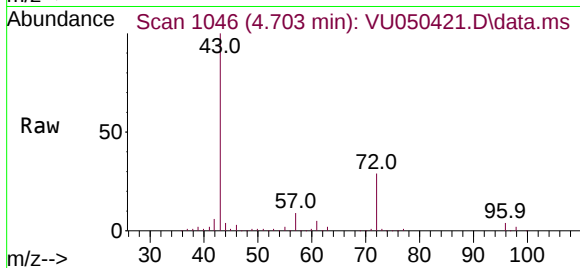
VSTD050009

Tgt Ion: 43 Resp: 231896

Ion Ratio Lower Upper

43 100

72 30.0 15.0 45.0



#23

Bromochloromethane

Concen: 48.392 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU050421.D

Acq: 24 Aug 2022 11:46

Tgt Ion:128 Resp: 72599

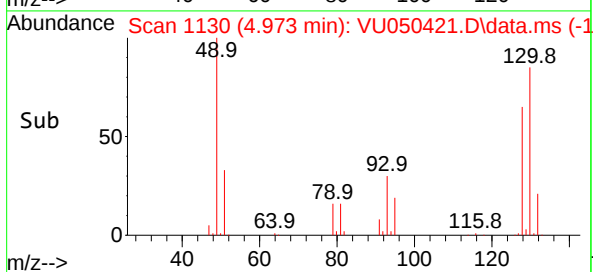
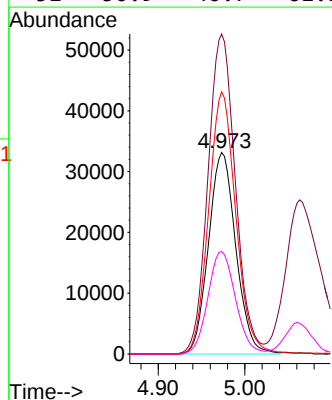
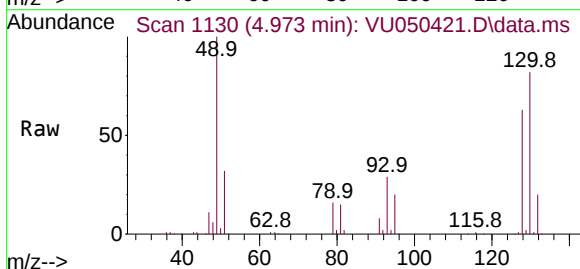
Ion Ratio Lower Upper

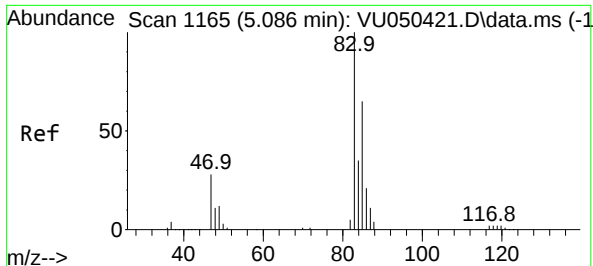
128 100

49 158.8 111.2 206.4

130 130.1 91.1 169.1

51 50.9 40.7 61.1





#25

Chloroform

Concen: 45.607 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU050421.D

Acq: 24 Aug 2022 11:46

Instrument :

MSVOA_U

ClientSampleId :

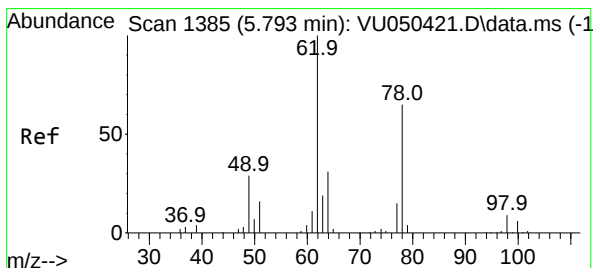
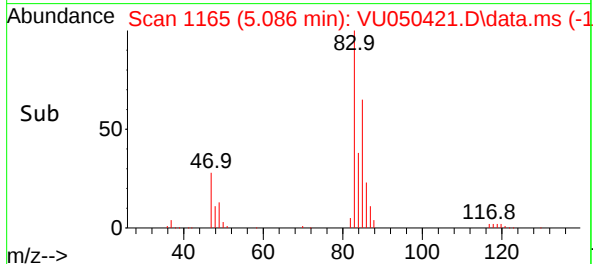
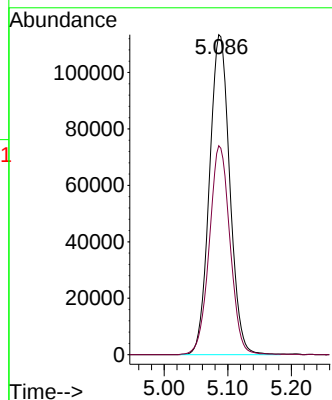
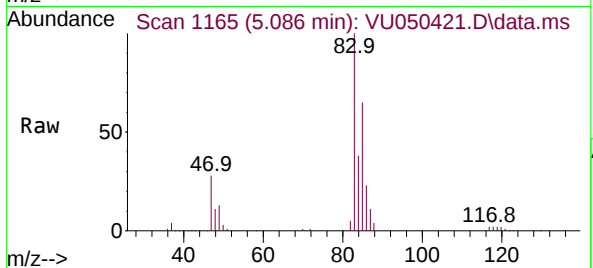
VSTD050009

Tgt Ion: 83 Resp: 251841

Ion Ratio Lower Upper

83 100

85 65.3 45.7 84.9



#27

1,2-Dichloroethane

Concen: 40.689 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU050421.D

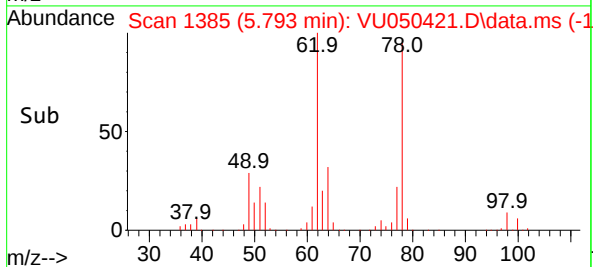
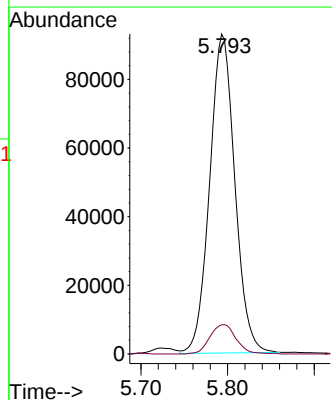
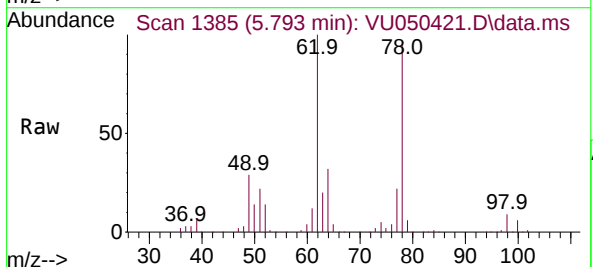
Acq: 24 Aug 2022 11:46

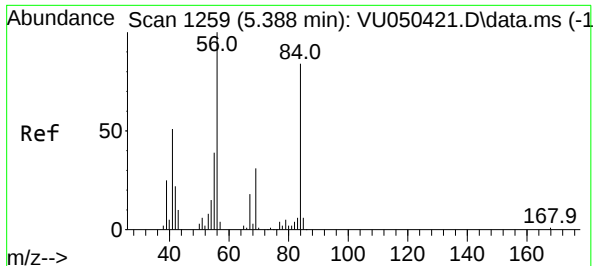
Tgt Ion: 62 Resp: 187780

Ion Ratio Lower Upper

62 100

98 9.1 7.3 10.9





#29

Cyclohexane

Concen: 34.122 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU050421.D

Acq: 24 Aug 2022 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD050009

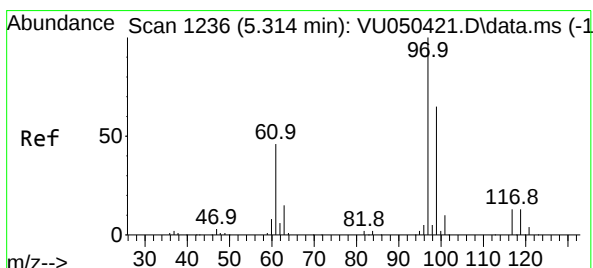
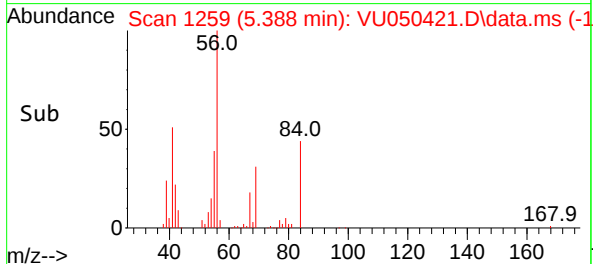
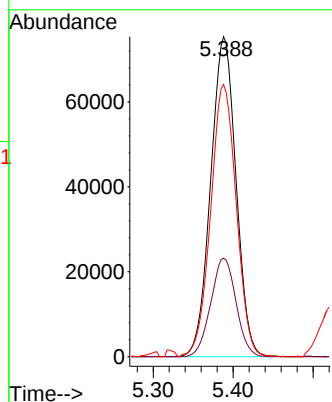
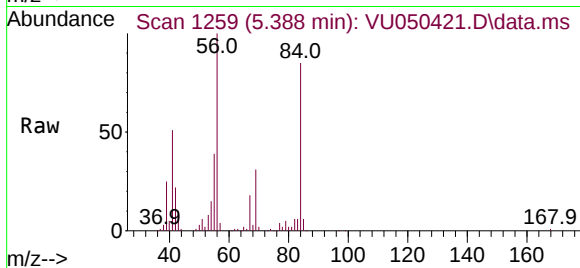
Tgt Ion: 56 Resp: 165625

Ion Ratio Lower Upper

56 100

69 30.7 24.6 36.8

84 86.0 68.8 103.2



#30

1,1,1-Trichloroethane

Concen: 41.711 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU050421.D

Acq: 24 Aug 2022 11:46

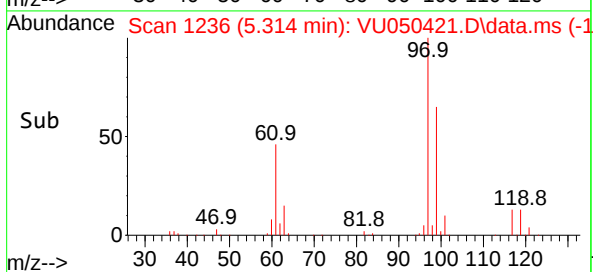
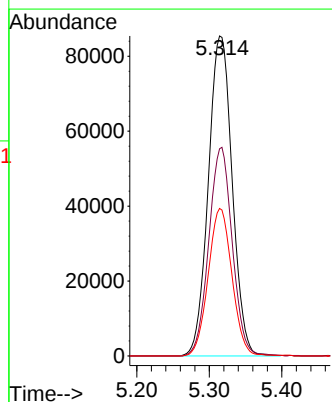
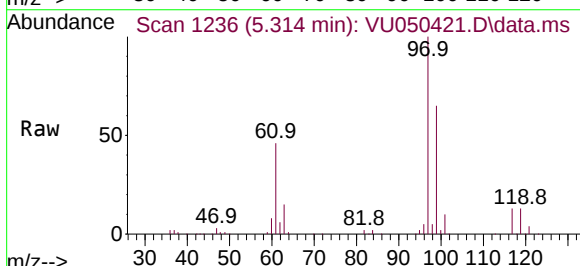
Tgt Ion: 97 Resp: 195500

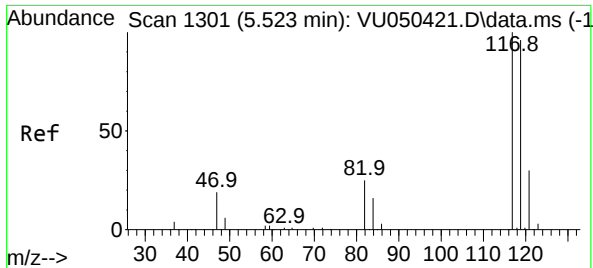
Ion Ratio Lower Upper

97 100

99 64.0 51.2 76.8

61 45.8 36.6 55.0

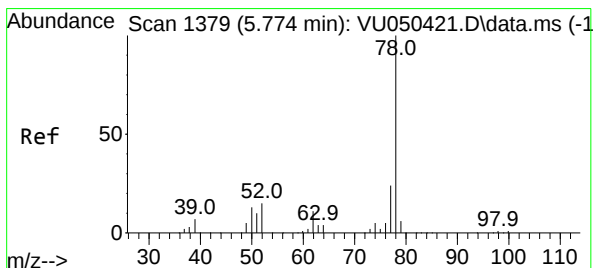
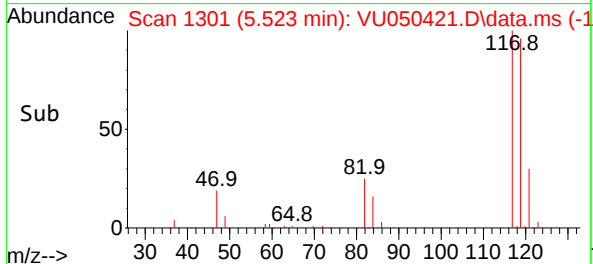
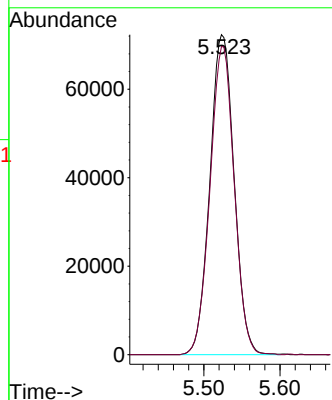
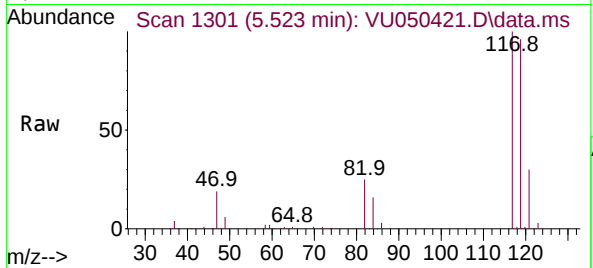




#31
Carbon tetrachloride
Concen: 41.776 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

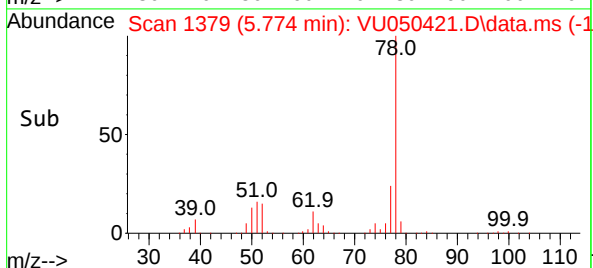
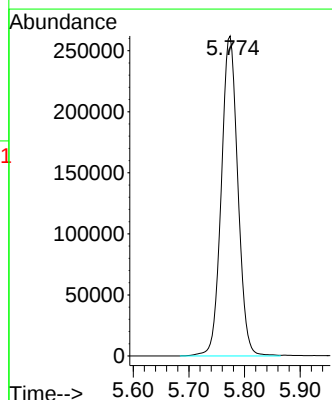
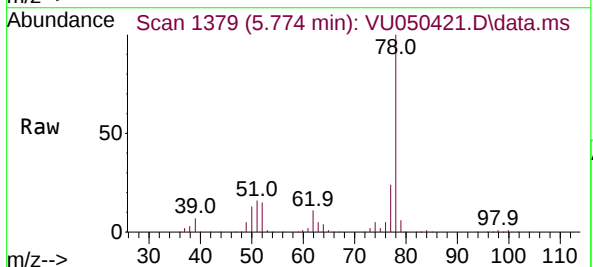
Instrument :
MSVOA_U
ClientSampleId :
VSTD050009

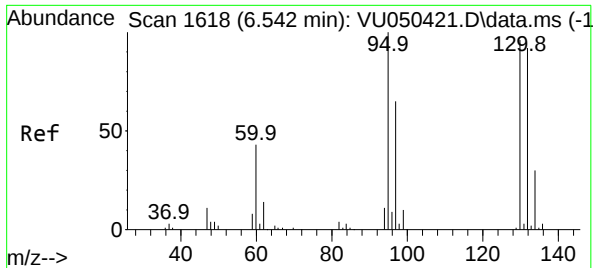
Tgt Ion:117 Resp: 160186
Ion Ratio Lower Upper
117 100
119 96.1 76.9 115.3



#33
Benzene
Concen: 43.935 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

Tgt Ion: 78 Resp: 540783

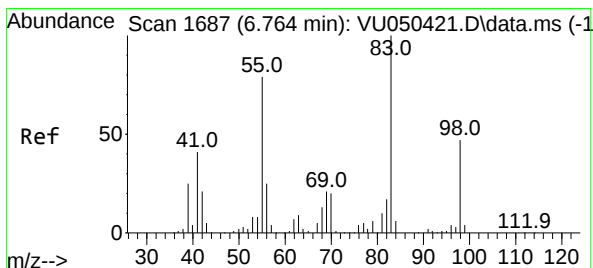
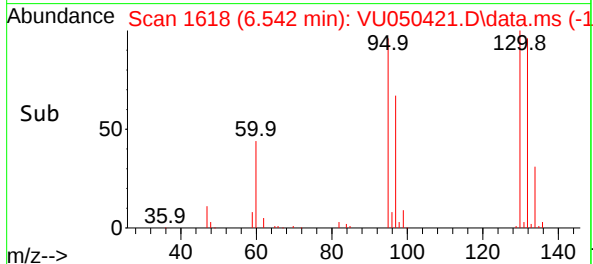
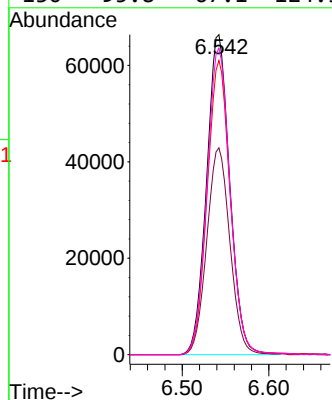
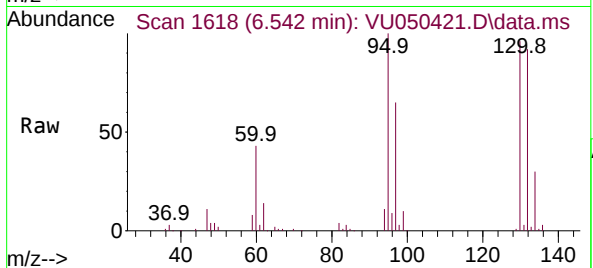




#34
Trichloroethene
Concen: 41.914 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

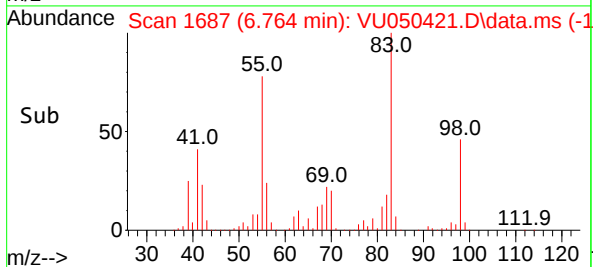
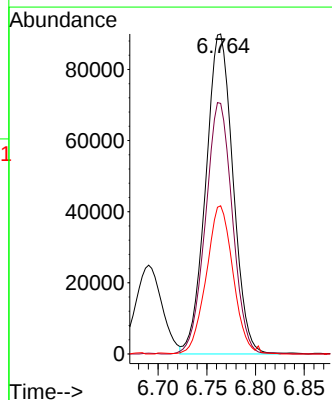
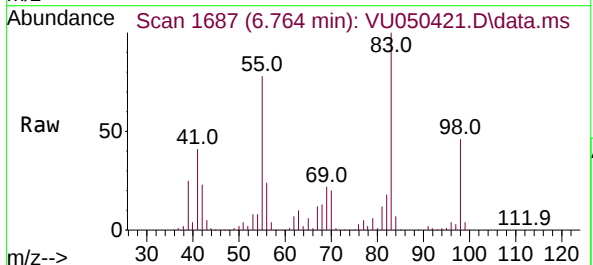
Instrument :
MSVOA_U
ClientSampleId :
VSTD050009

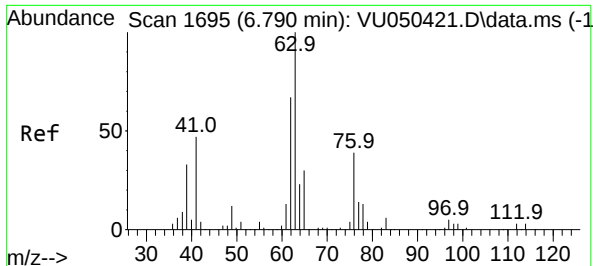
Tgt Ion: 95 Resp: 123845
Ion Ratio Lower Upper
95 100
97 64.6 45.2 84.0
132 92.0 64.4 119.6
130 95.8 67.1 124.5



#35
Methylcyclohexane
Concen: 38.715 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

Tgt Ion: 83 Resp: 175216
Ion Ratio Lower Upper
83 100
55 77.4 61.9 92.9
98 44.8 35.8 53.8





#37

1,2-Dichloropropane

Concen: 43.771 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050421.D

Acq: 24 Aug 2022 11:46

Instrument :

MSVOA_U

ClientSampleId :

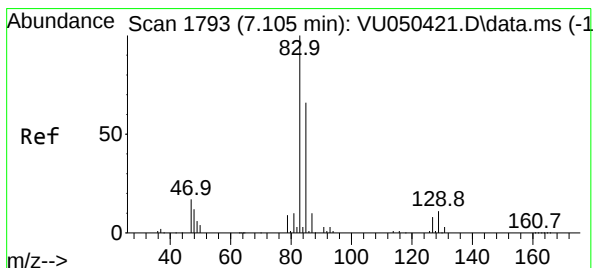
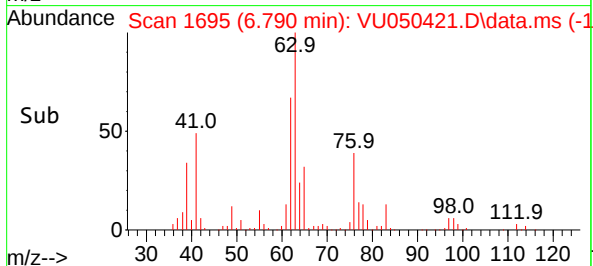
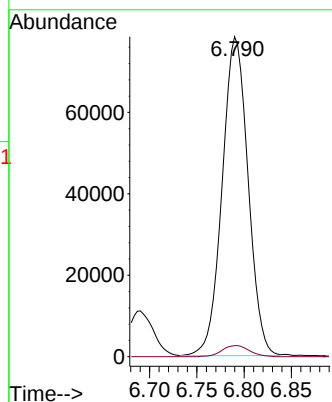
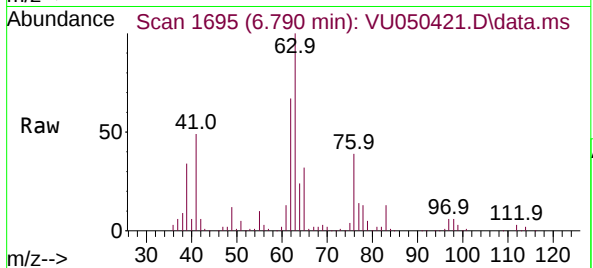
VSTD050009

Tgt Ion: 63 Resp: 149174

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.4



#38

Bromodichloromethane

Concen: 44.242 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050421.D

Acq: 24 Aug 2022 11:46

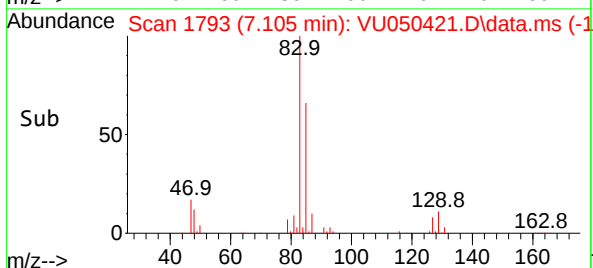
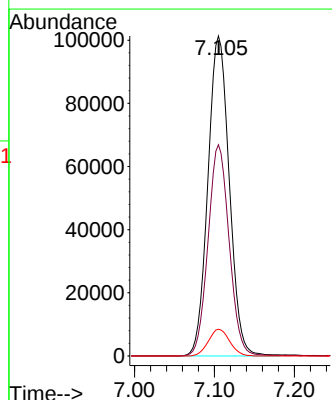
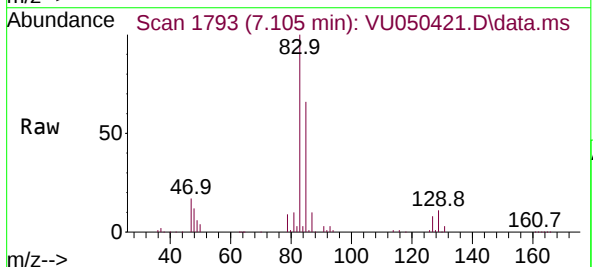
Tgt Ion: 83 Resp: 188471

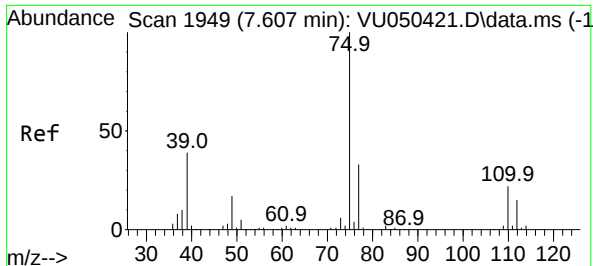
Ion Ratio Lower Upper

83 100

85 66.0 46.2 85.8

127 8.4 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 43.563 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050421.D

Acq: 24 Aug 2022 11:46

Instrument :

MSVOA_U

ClientSampleId :

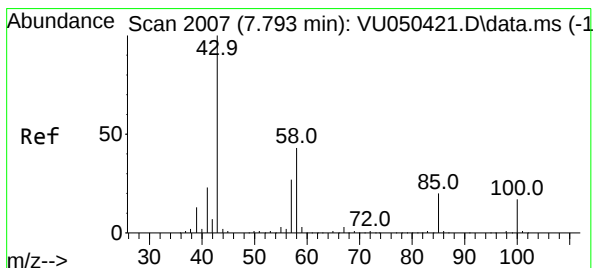
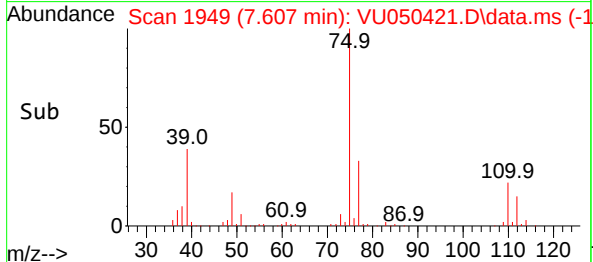
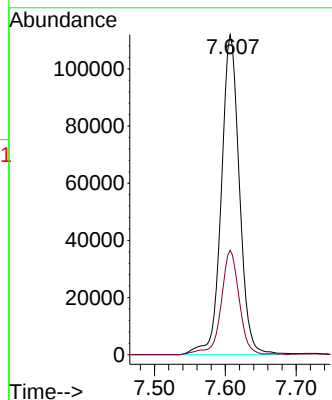
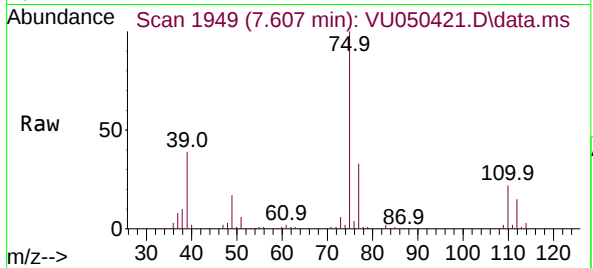
VSTD050009

Tgt Ion: 75 Resp: 198906

Ion Ratio Lower Upper

75 100

77 32.6 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 77.387 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU050421.D

Acq: 24 Aug 2022 11:46

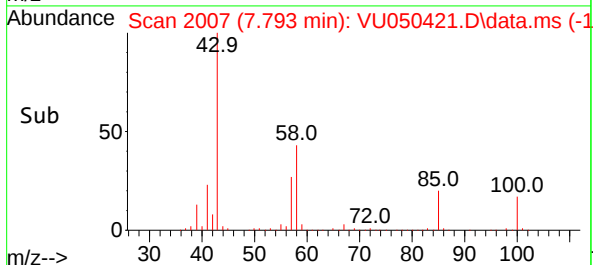
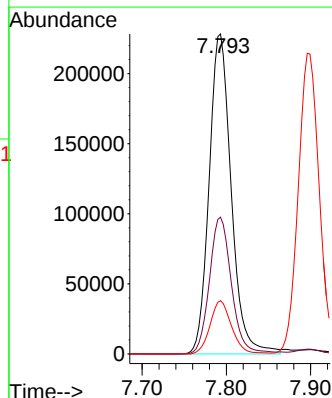
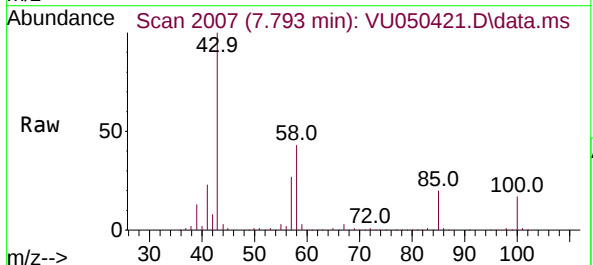
Tgt Ion: 43 Resp: 416410

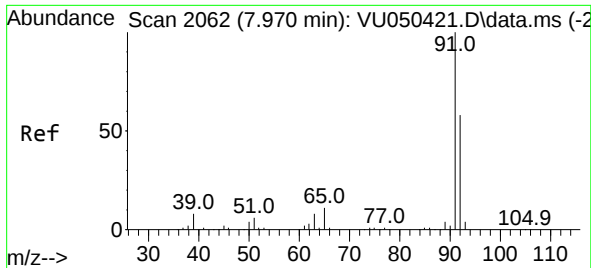
Ion Ratio Lower Upper

43 100

58 42.5 34.0 51.0

100 16.2 13.0 19.4





#42

Toluene

Concen: 45.415 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050421.D

Acq: 24 Aug 2022 11:46

Instrument :

MSVOA_U

ClientSampleId :

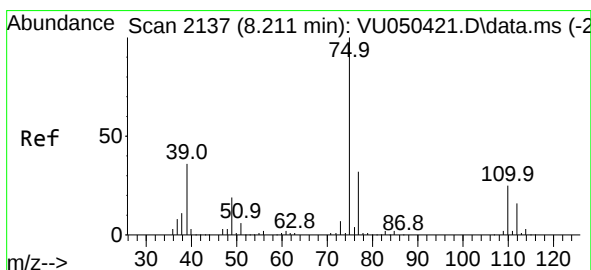
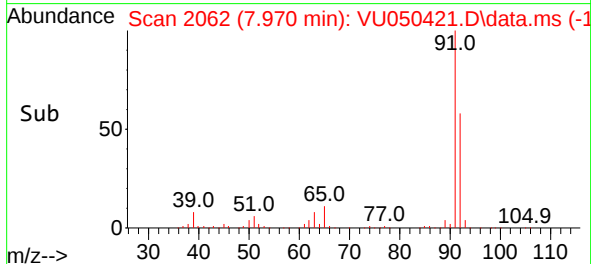
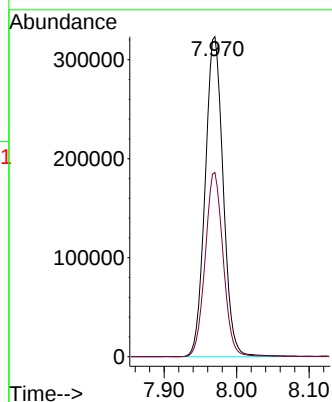
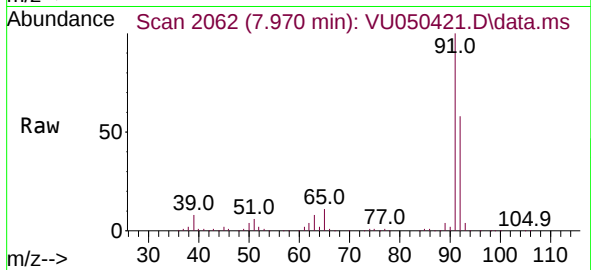
VSTD050009

Tgt Ion: 91 Resp: 557726

Ion Ratio Lower Upper

91 100

92 57.6 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 43.371 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU050421.D

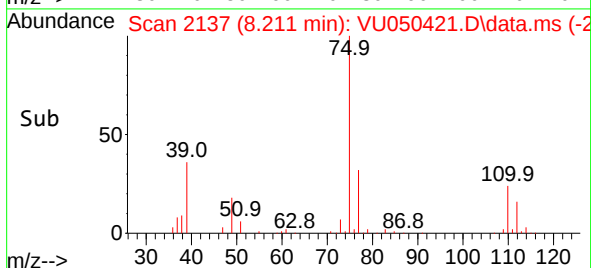
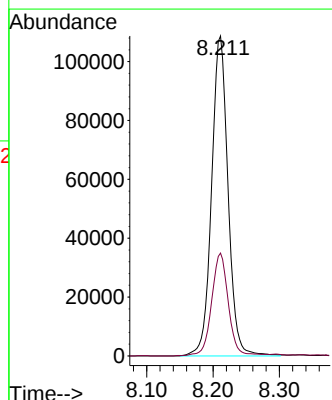
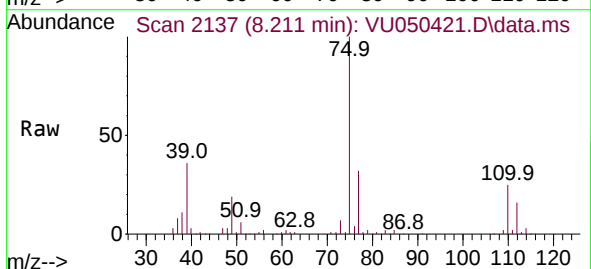
Acq: 24 Aug 2022 11:46

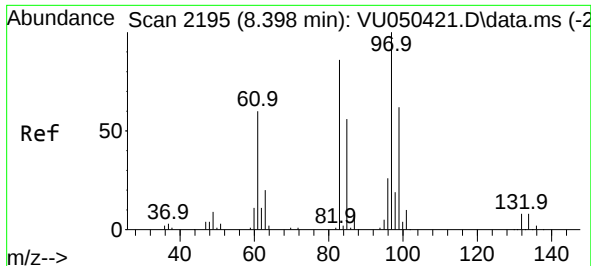
Tgt Ion: 75 Resp: 187315

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.7

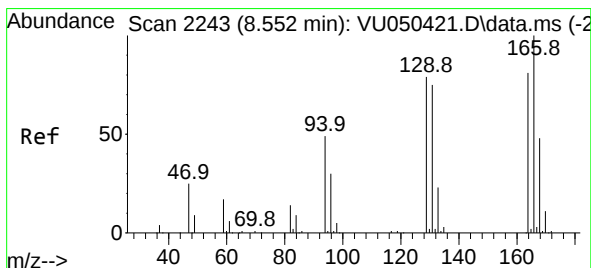
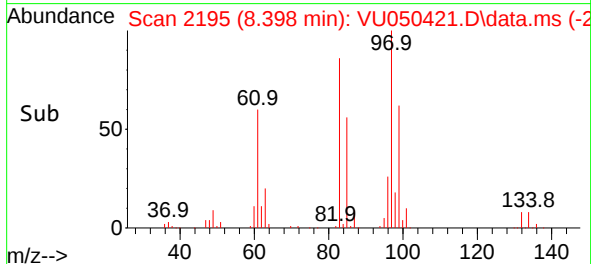
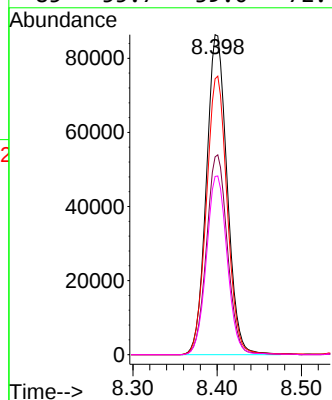
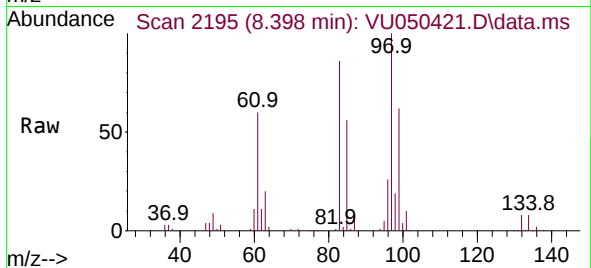




#45
1,1,2-Trichloroethane
Concen: 48.439 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

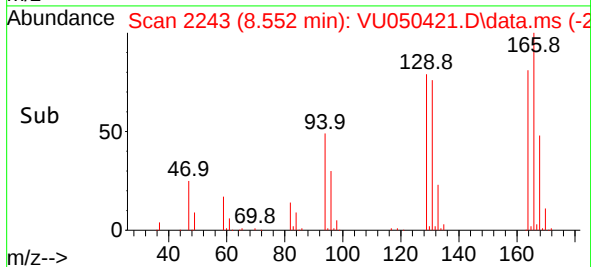
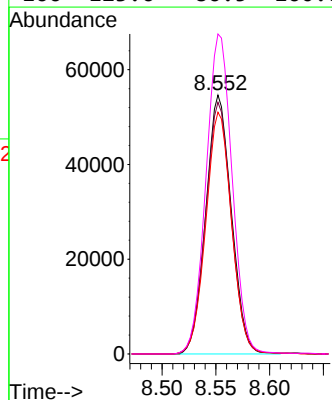
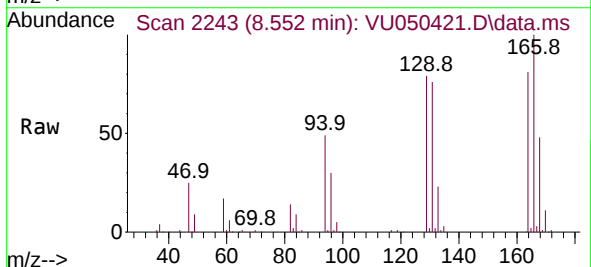
Instrument :
MSVOA_U
ClientSampleId :
VSTD050009

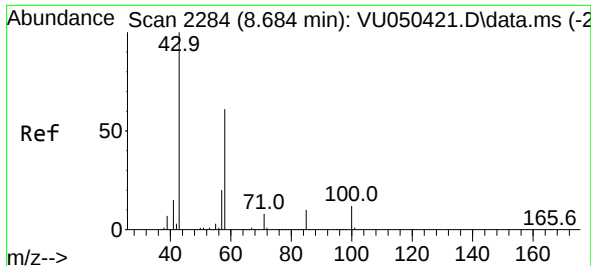
Tgt Ion:	97	Resp:	148098
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.3	80.3
83	86.2	60.3	112.1
85	55.7	39.0	72.4



#46
Tetrachloroethene
Concen: 43.860 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

Tgt Ion:	164	Resp:	90486
Ion	Ratio	Lower	Upper
164	100		
129	97.2	68.0	126.4
131	93.4	65.4	121.4
166	123.6	86.5	160.7

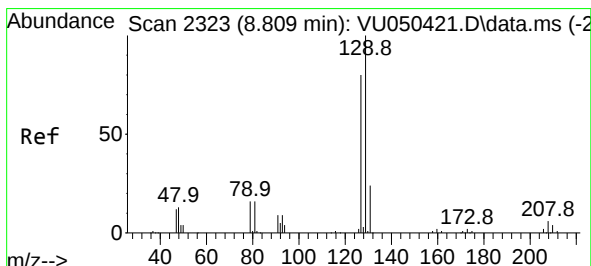
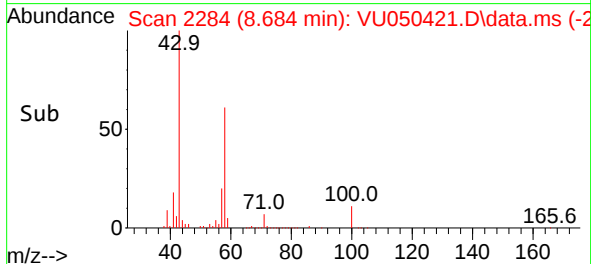
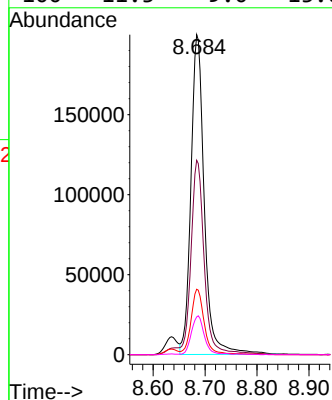
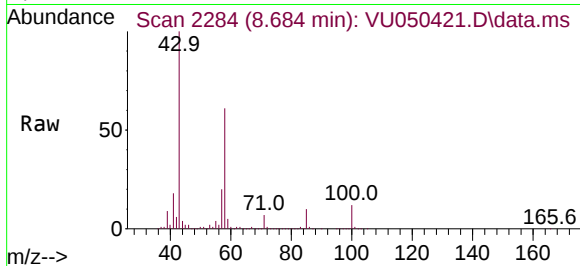




#48
2-Hexanone
Concen: 82.054 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

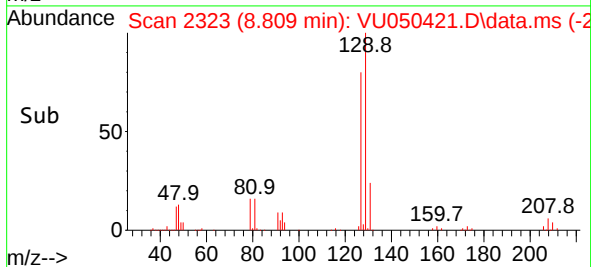
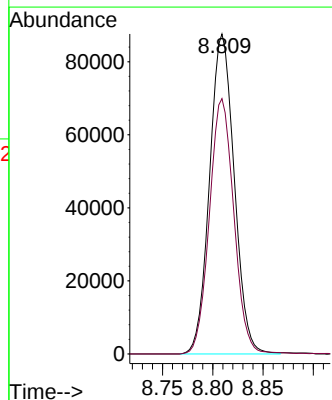
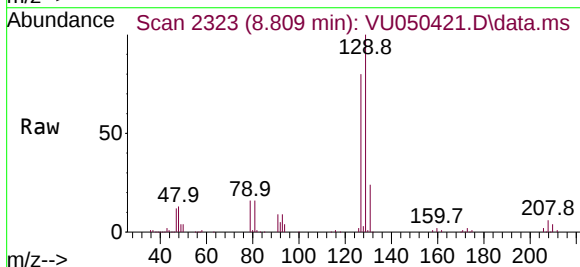
Instrument :
MSVOA_U
ClientSampleId :
VSTD050009

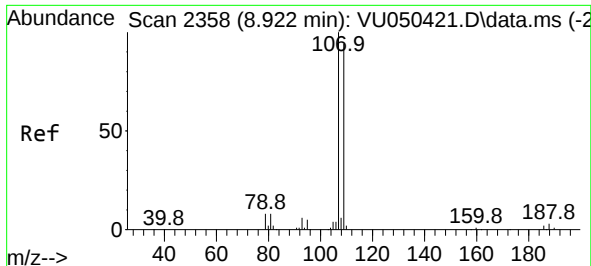
Tgt Ion: 43 Resp: 357773
Ion Ratio Lower Upper
43 100
58 59.9 47.9 71.9
57 19.2 15.4 23.0
100 11.3 9.0 13.6



#49
Dibromochloromethane
Concen: 48.568 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

Tgt Ion: 129 Resp: 149491
Ion Ratio Lower Upper
129 100
127 79.8 55.9 103.7

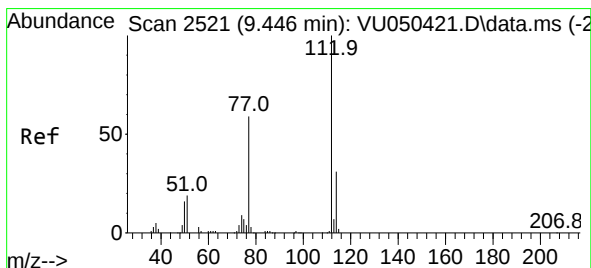
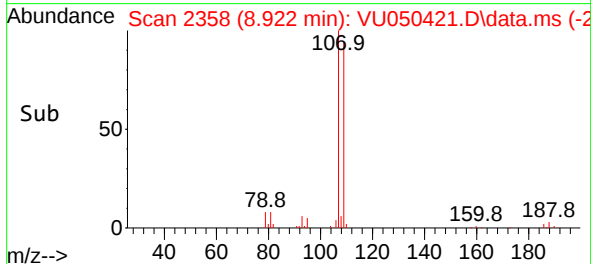
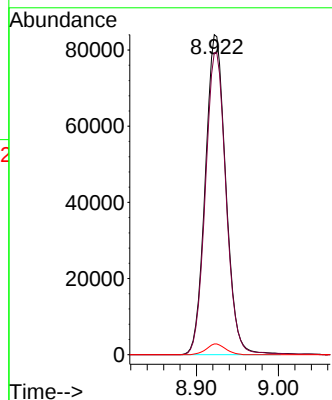
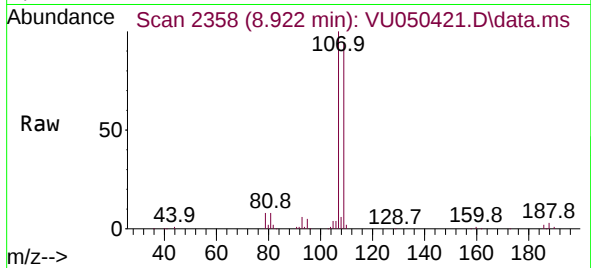




#50
1,2-Dibromoethane
Concen: 47.997 ug/L
RT: 8.922 min Scan# 2358
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

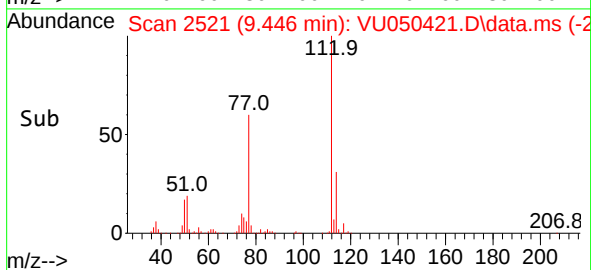
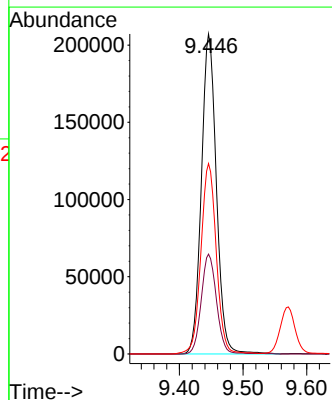
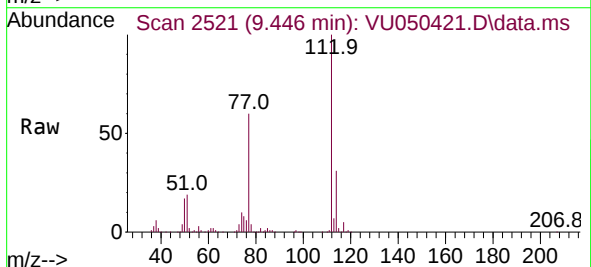
Instrument :
MSVOA_U
ClientSampleId :
VSTD050009

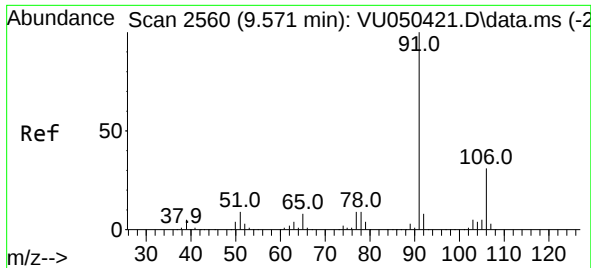
Tgt Ion:107 Resp: 145996
Ion Ratio Lower Upper
107 100
109 94.3 66.0 122.6
188 3.4 2.7 4.1



#51
Chlorobenzene
Concen: 45.400 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

Tgt Ion:112 Resp: 340086
Ion Ratio Lower Upper
112 100
114 31.2 21.8 40.6
77 59.5 47.6 71.4

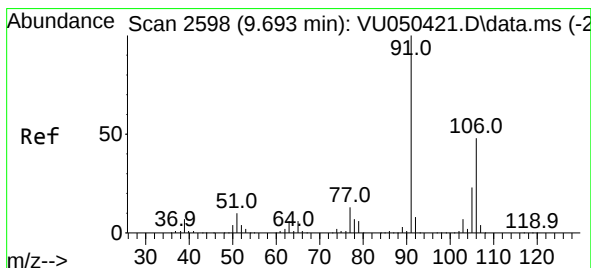
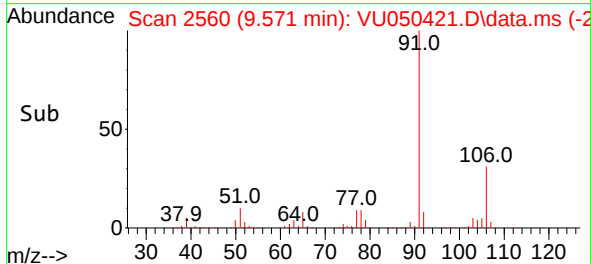
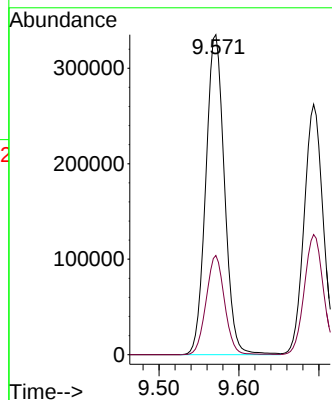
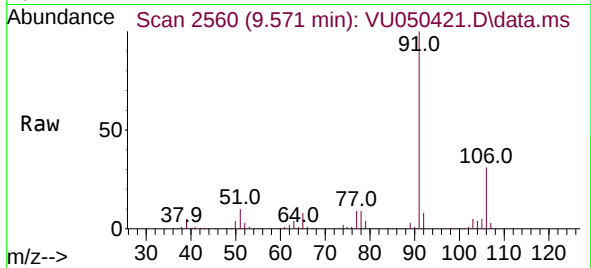




#52
Ethylbenzene
Concen: 42.702 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

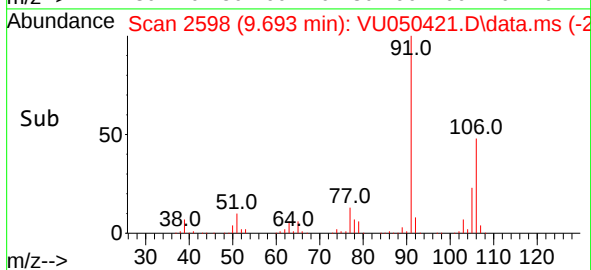
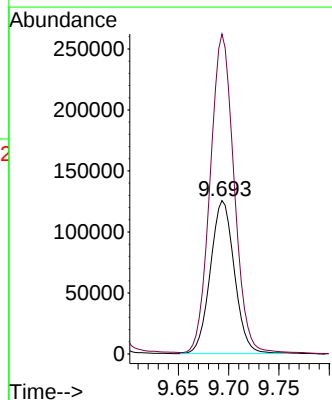
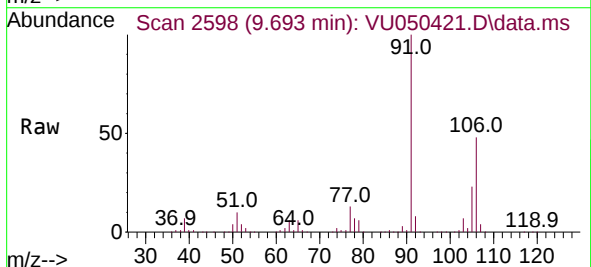
Instrument :
MSVOA_U
ClientSampleId :
VSTD050009

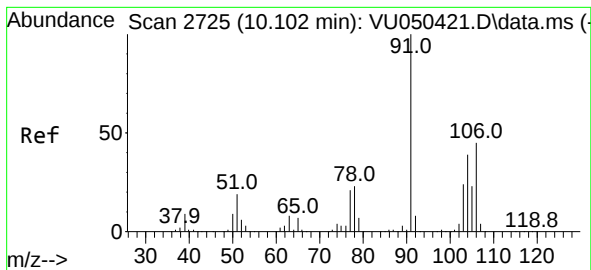
Tgt Ion: 91 Resp: 545434
Ion Ratio Lower Upper
91 100
106 31.0 21.7 40.3



#53
m,p-Xylene
Concen: 44.329 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

Tgt Ion: 106 Resp: 208081
Ion Ratio Lower Upper
106 100
91 208.4 145.9 270.9

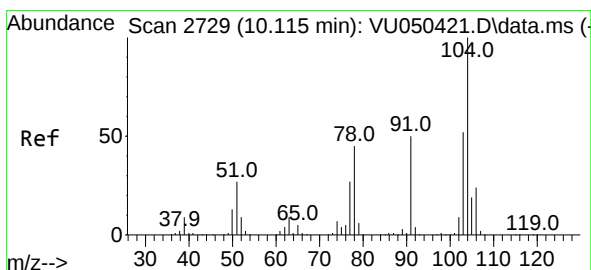
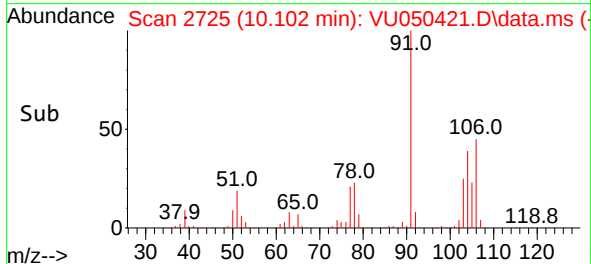
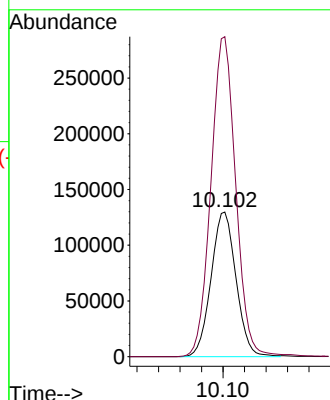
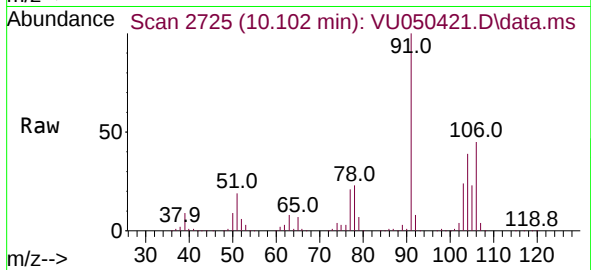




#54
o-Xylene
Concen: 44.466 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

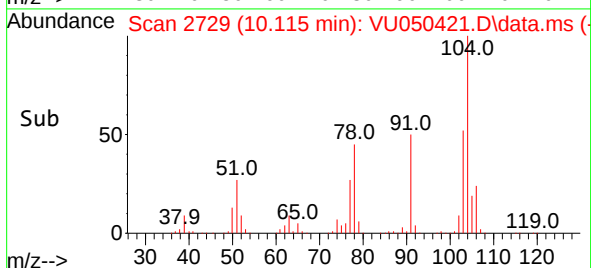
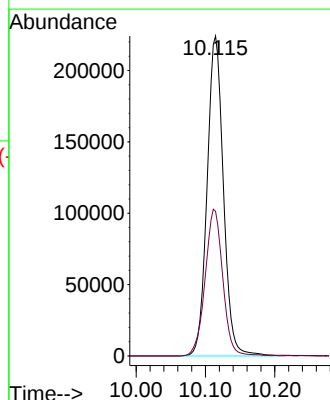
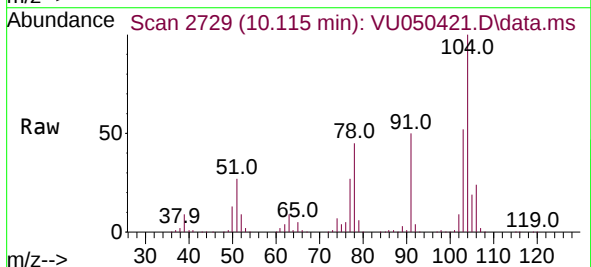
Instrument :
MSVOA_U
ClientSampleId :
VSTD050009

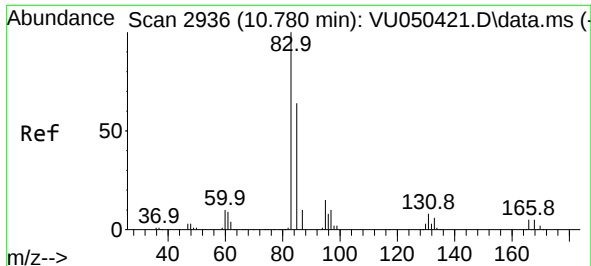
Tgt Ion:106 Resp: 209379
Ion Ratio Lower Upper
106 100
91 221.1 154.8 287.4



#55
Styrene
Concen: 46.637 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

Tgt Ion:104 Resp: 365743
Ion Ratio Lower Upper
104 100
78 45.2 31.6 58.8





#57

1,1,2,2-Tetrachloroethane

Concen: 49.032 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU050421.D

Acq: 24 Aug 2022 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD050009

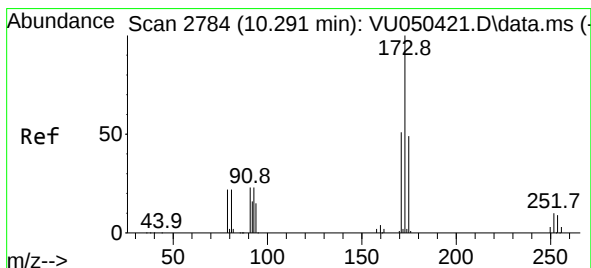
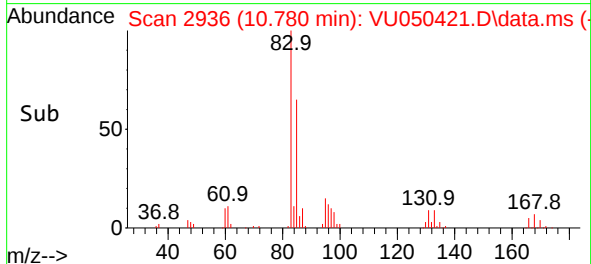
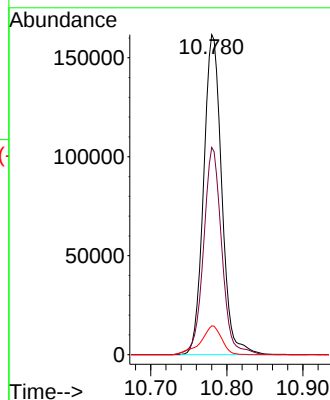
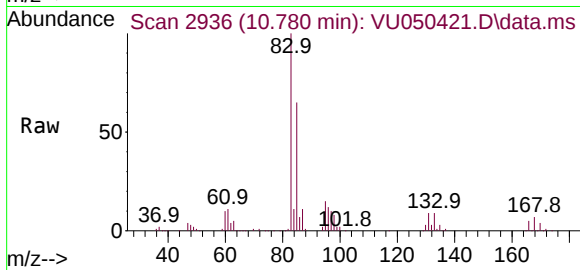
Tgt Ion: 83 Resp: 267848

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

131 9.0 7.2 10.8



#59

Bromoform

Concen: 50.693 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU050421.D

Acq: 24 Aug 2022 11:46

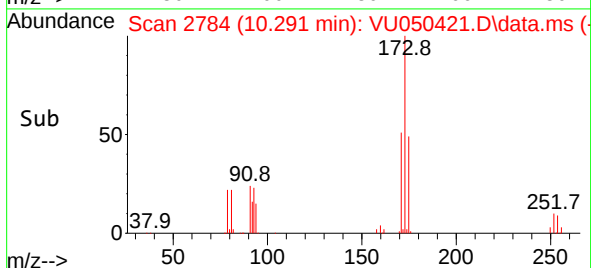
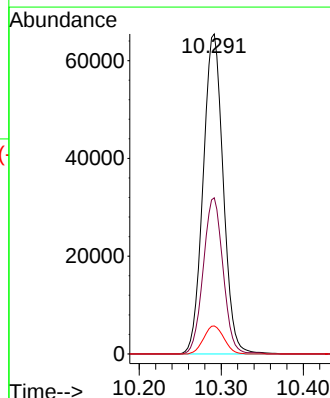
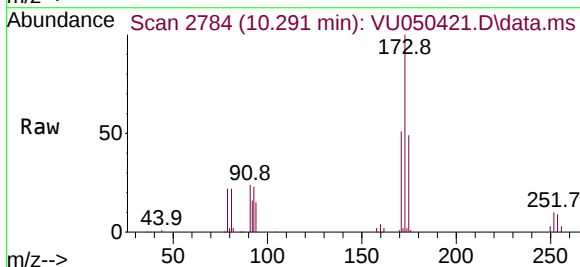
Tgt Ion: 173 Resp: 111519

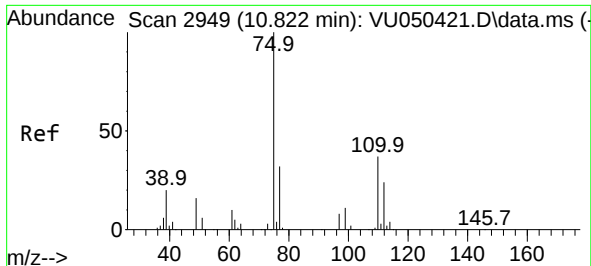
Ion Ratio Lower Upper

173 100

175 48.0 38.4 57.6

254 8.9 7.1 10.7

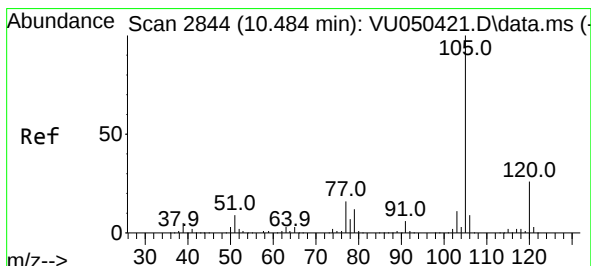
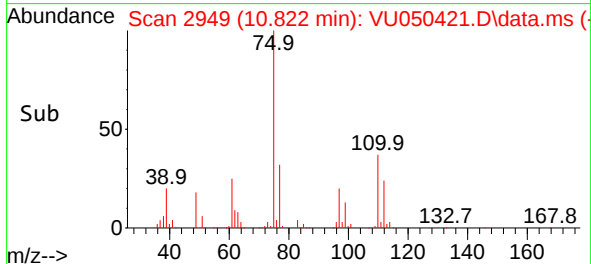
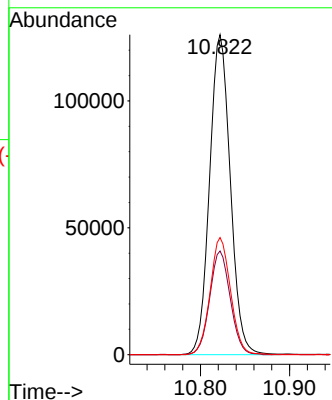
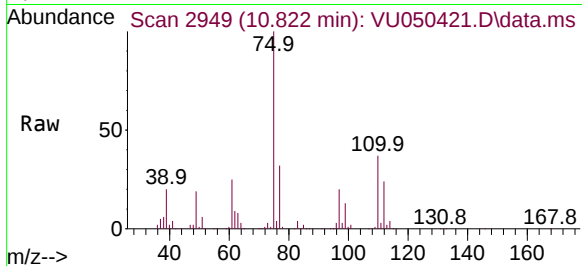




#60
1,2,3-Trichloropropane
Concen: 47.517 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

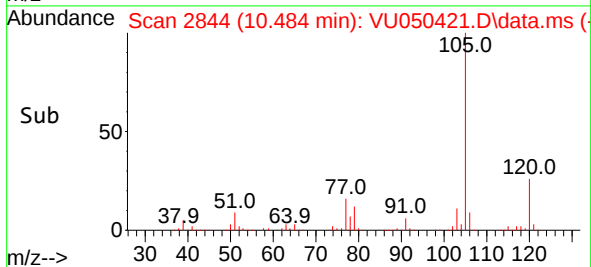
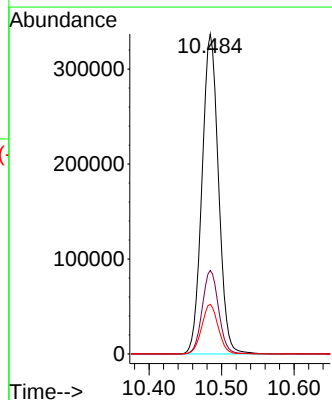
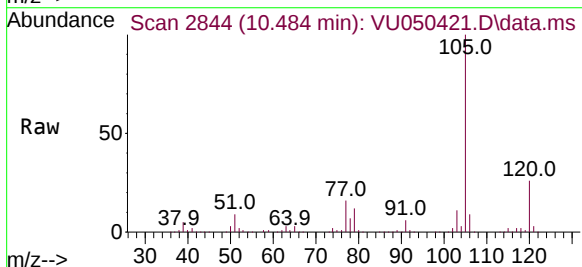
Instrument :
MSVOA_U
ClientSampleId :
VSTD050009

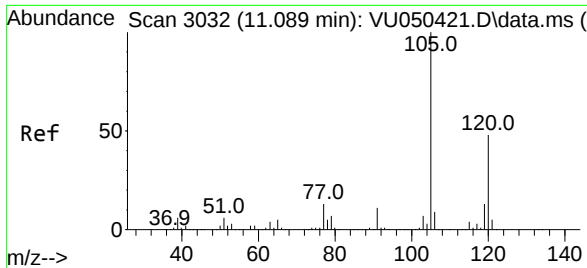
Tgt Ion: 75 Resp: 203507
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
110 36.2 29.0 43.4



#61
Isopropylbenzene
Concen: 45.280 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

Tgt Ion: 105 Resp: 531952
Ion Ratio Lower Upper
105 100
120 25.9 20.7 31.1
77 15.6 12.5 18.7

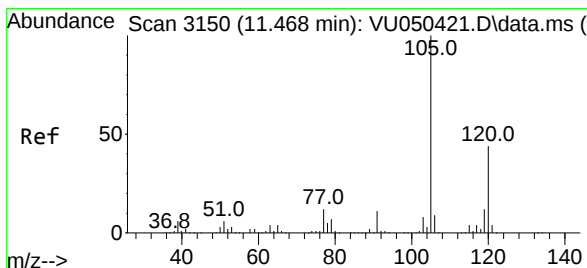
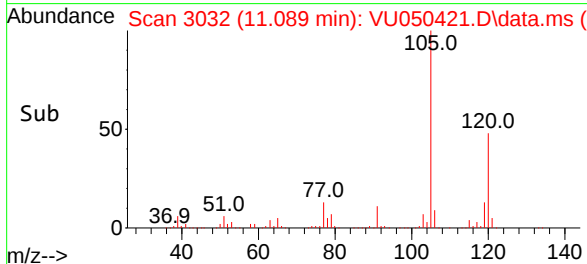
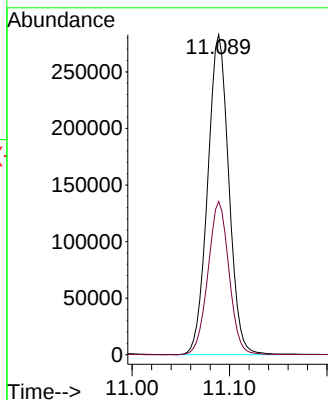
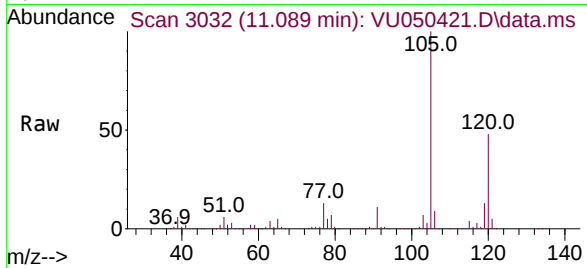




#62
 1,3,5-Trimethylbenzene
 Concen: 43.601 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU050421.D
 Acq: 24 Aug 2022 11:46

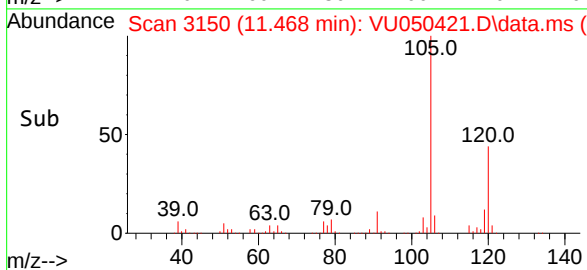
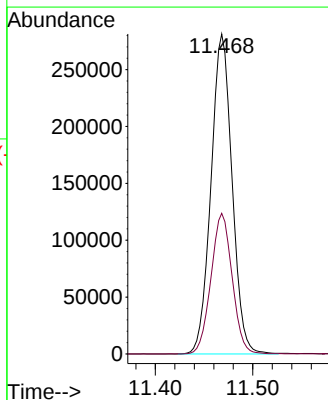
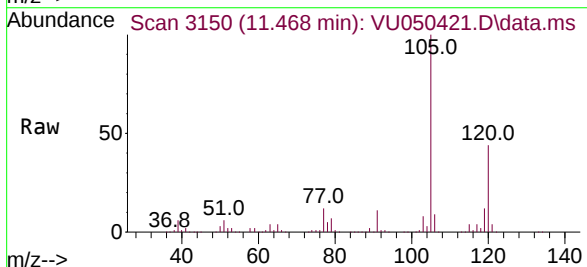
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050009

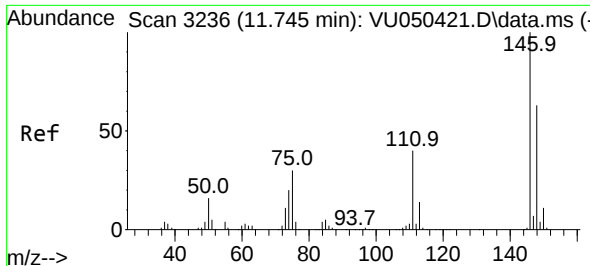
Tgt Ion:105 Resp: 427204
 Ion Ratio Lower Upper
 105 100
 120 47.6 38.1 57.1



#63
 1,2,4-Trimethylbenzene
 Concen: 43.520 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU050421.D
 Acq: 24 Aug 2022 11:46

Tgt Ion:105 Resp: 422739
 Ion Ratio Lower Upper
 105 100
 120 44.1 35.3 52.9

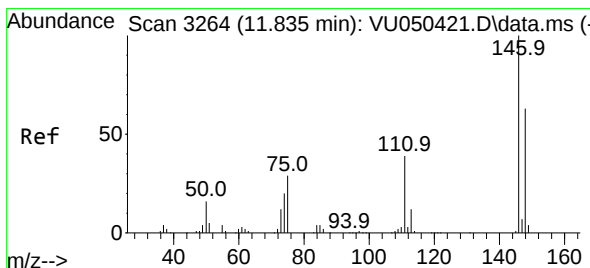
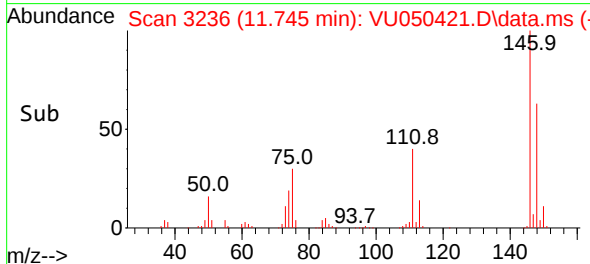
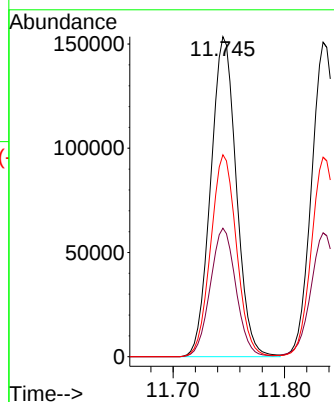
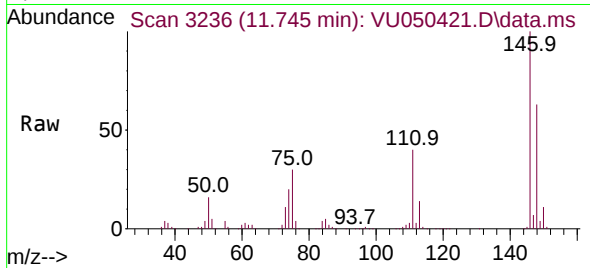




#64
 1,3-Dichlorobenzene
 Concen: 47.129 ug/L
 RT: 11.745 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU050421.D
 Acq: 24 Aug 2022 11:46

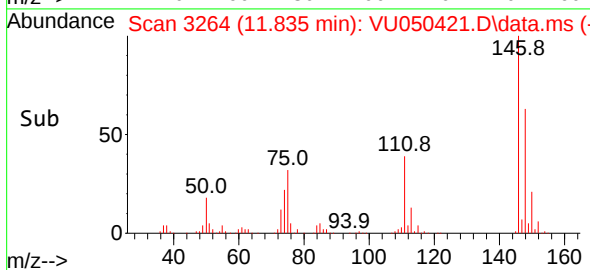
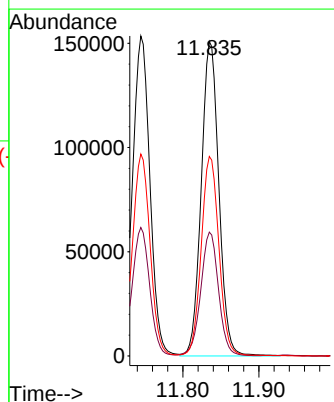
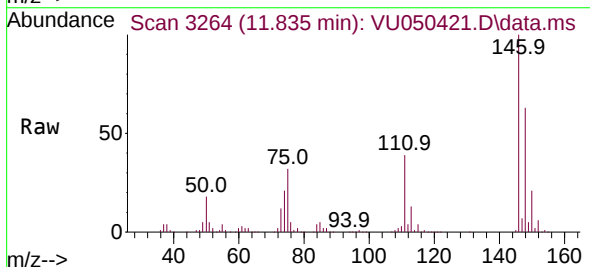
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050009

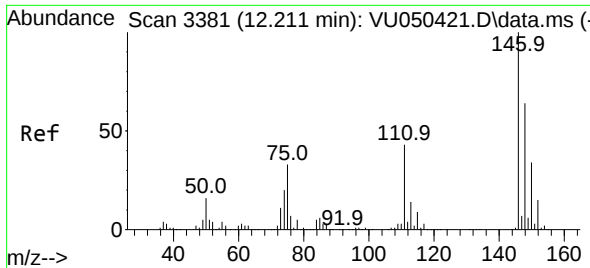
Tgt Ion:146 Resp: 245632
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.1 52.1
 148 63.1 44.2 82.0



#65
 1,4-Dichlorobenzene
 Concen: 46.372 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. 0.000 min
 Lab File: VU050421.D
 Acq: 24 Aug 2022 11:46

Tgt Ion:146 Resp: 242786
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.6 51.2
 148 63.4 44.4 82.4

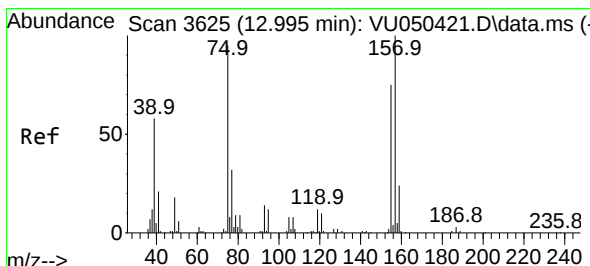
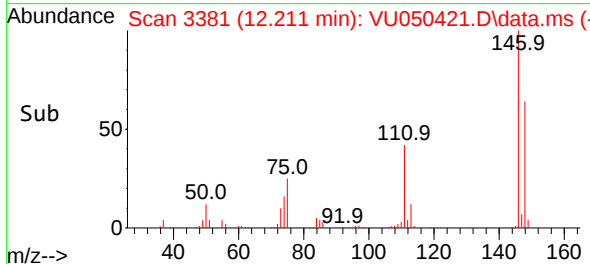
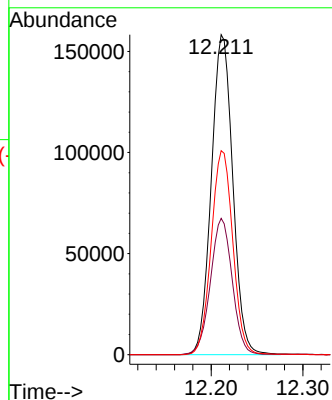
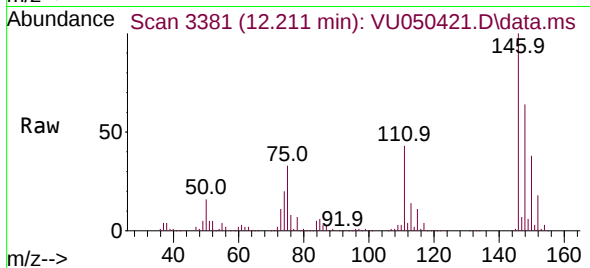




#67
1,2-Dichlorobenzene
Concen: 47.303 ug/L
RT: 12.211 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

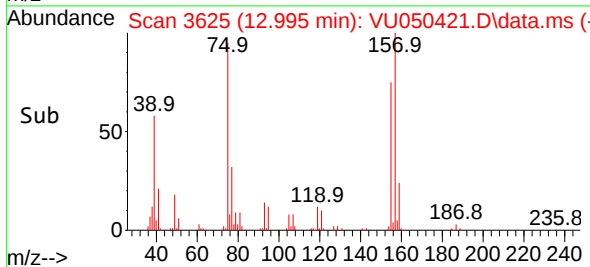
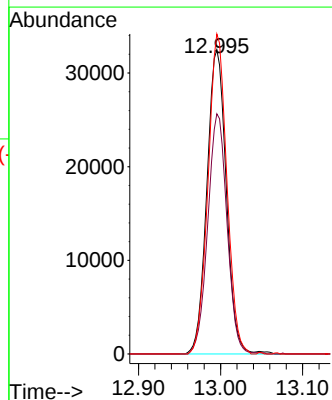
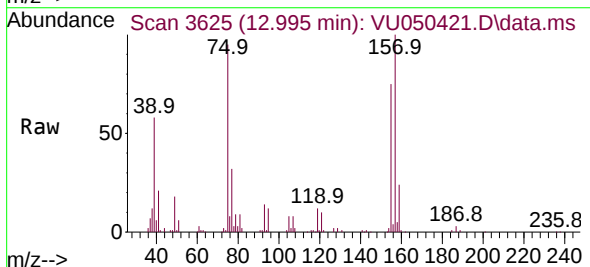
Instrument :
MSVOA_U
ClientSampleId :
VSTD050009

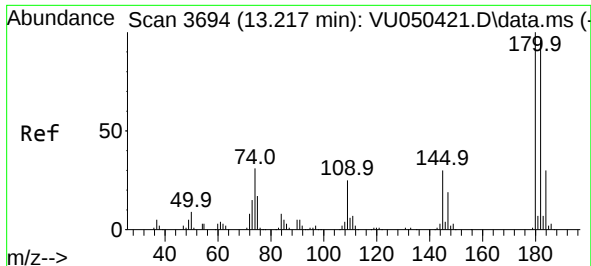
Tgt Ion:146 Resp: 257263
Ion Ratio Lower Upper
146 100
111 42.6 34.1 51.1
148 63.8 51.0 76.6



#68
1,2-Dibromo-3-chloropropane
Concen: 43.511 ug/L
RT: 12.995 min Scan# 3625
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

Tgt Ion: 75 Resp: 53445
Ion Ratio Lower Upper
75 100
155 78.9 63.1 94.7
157 105.2 84.2 126.2





#69

1,3,5-Trichlorobenzene

Concen: 45.675 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. 0.000 min

Lab File: VU050421.D

Acq: 24 Aug 2022 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD050009

Tgt Ion:180 Resp: 165093

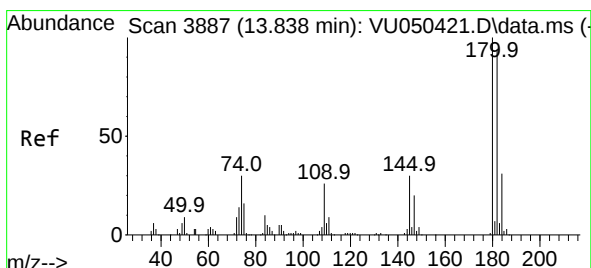
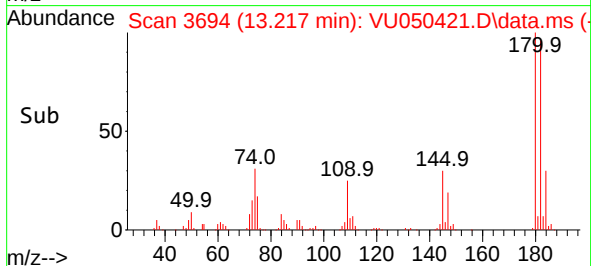
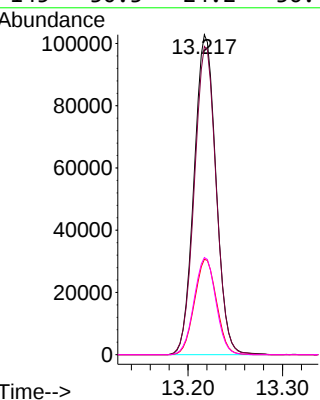
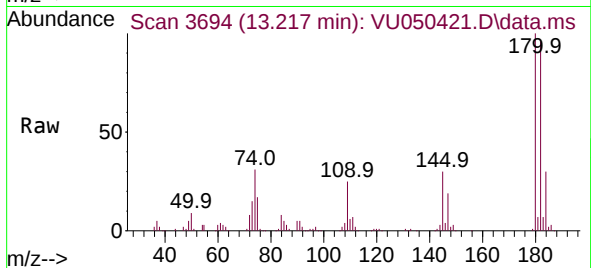
Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.6

184 30.1 24.1 36.1

145 30.3 24.2 36.4



#70

1,2,4-trichlorobenzene

Concen: 41.723 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.000 min

Lab File: VU050421.D

Acq: 24 Aug 2022 11:46

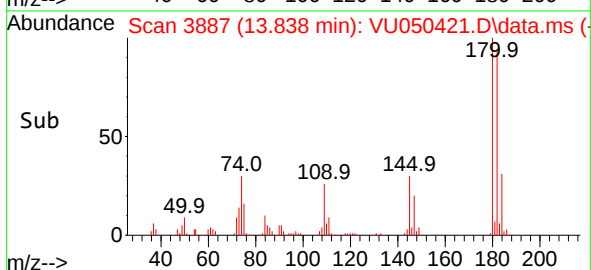
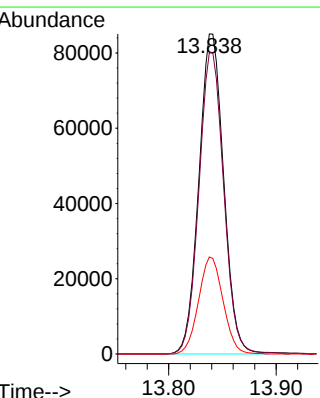
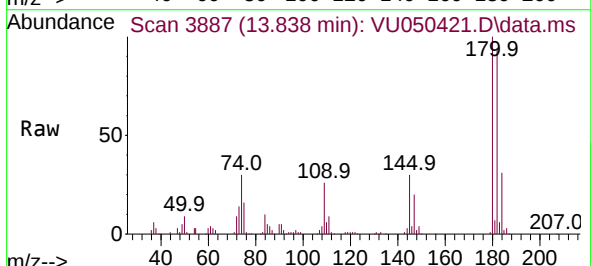
Tgt Ion:180 Resp: 136078

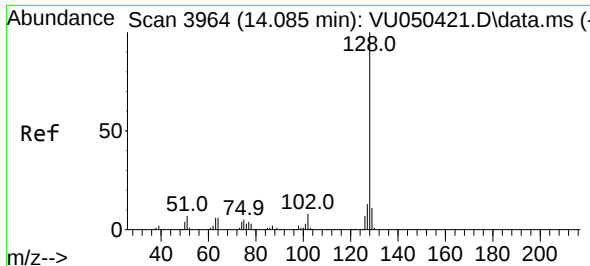
Ion Ratio Lower Upper

180 100

182 94.3 75.4 113.2

145 29.9 23.9 35.9

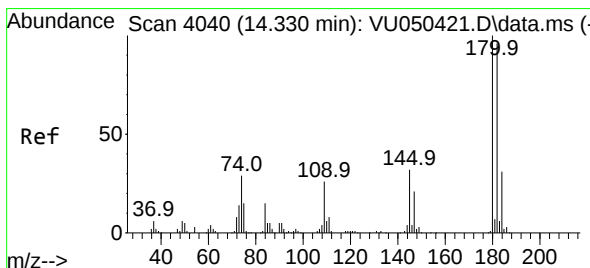
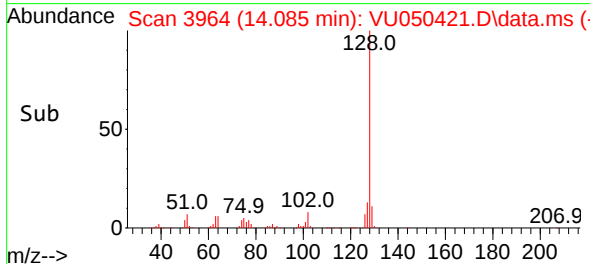
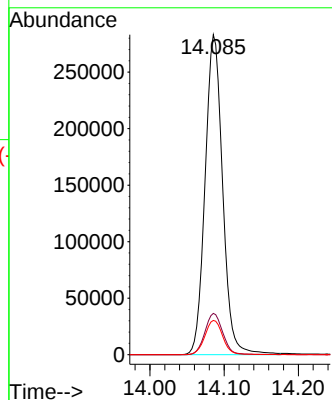
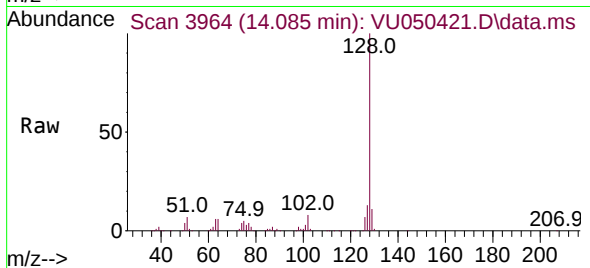




#71
Naphthalene
Concen: 40.353 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD050009

Tgt Ion:128 Resp: 464513
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 11.0 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 44.996 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU050421.D
Acq: 24 Aug 2022 11:46

Tgt Ion:180 Resp: 153737
Ion Ratio Lower Upper
180 100
182 96.0 76.8 115.2
145 33.1 26.5 39.7

