

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121522\
 Data File : VU052421.D
 Acq On : 15 Dec 2022 17:14
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005110

Quant Time: Dec 16 00:21:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 16 00:19:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	224872	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	222618	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	119671	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	69343	3.170	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.400%
7) Chloroethane-d5	1.916	69	66307	3.903	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.000%
11) 1,1-Dichloroethene-d2	2.568	65	29648	3.781	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.600%
20) 2-Butanone-d5	4.636	46	247820	62.505	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.000%
24) Chloroform-d	5.060	84	159810	4.972	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	5.700	65	80258	4.944	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.800%
32) Benzene-d6	5.726	84	309167	4.678	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
36) 1,2-Dichloropropane-d6	6.687	67	102854	5.029	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.600%
41) Toluene-d8	7.896	98	282020	4.716	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	8.176	79	34685	4.654	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.000%
46) 2-Hexanone-d5	8.632	63	186339	58.992	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.980%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	100396	5.661	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.200%
66) 1,2-Dichlorobenzene-d4	12.188	152	107225	4.680	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	102288	5.245	ug/L	99
3) Chloromethane	1.520	50	114643	4.504	ug/L	98
5) Vinyl chloride	1.604	62	126085	5.156	ug/L	100
6) Bromomethane	1.858	94	85802	6.837	ug/L	99
8) Chloroethane	1.935	64	77942	5.125	ug/L	96
9) Trichlorofluoromethane	2.141	101	149790	5.568	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	93605	5.691	ug/L	98
12) 1,1-Dichloroethene	2.581	96	87642	5.373	ug/L	84
13) Acetone	2.652	43	156187	58.011	ug/L	98
14) Carbon disulfide	2.793	76	281054	4.977	ug/L	99
15) Methyl Acetate	2.957	43	39938	5.719	ug/L	97
16) Methylene chloride	3.044	84	137847	6.246	ug/L	98
17) Methyl tert-butyl Ether	3.359	73	195173	5.344	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	92514	5.291	ug/L	96
19) 1,1-Dichloroethane	3.867	63	172684	5.479	ug/L	98
21) 2-Butanone	4.716	43	257916	59.769	ug/L	99
22) cis-1,2-Dichloroethene	4.661	96	98931	5.391	ug/L	96
23) Bromochloromethane	4.970	128	49293	5.614	ug/L	94
25) Chloroform	5.086	83	176909	5.540	ug/L	96

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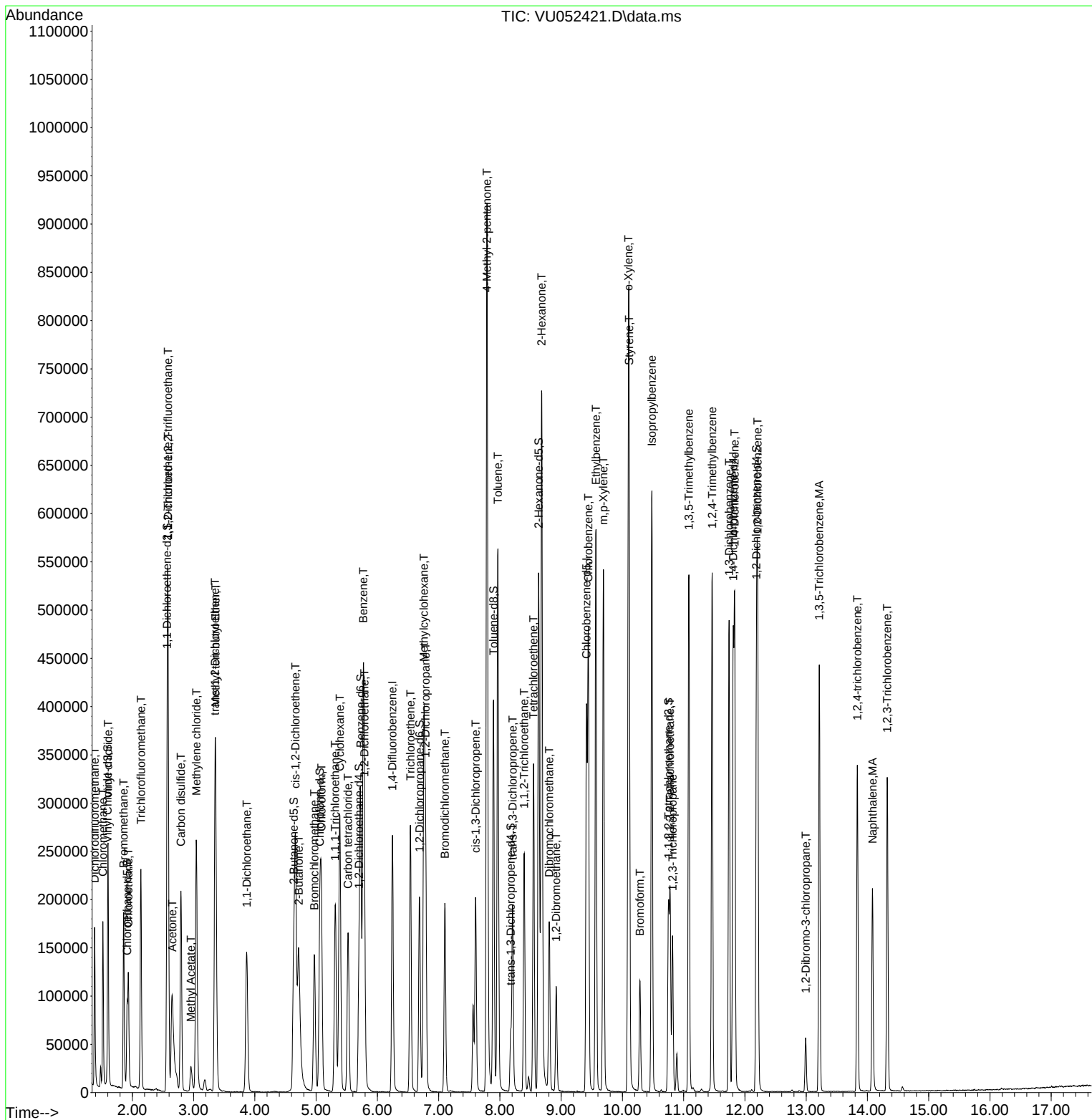
Instrument :
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 ClientSampleId :
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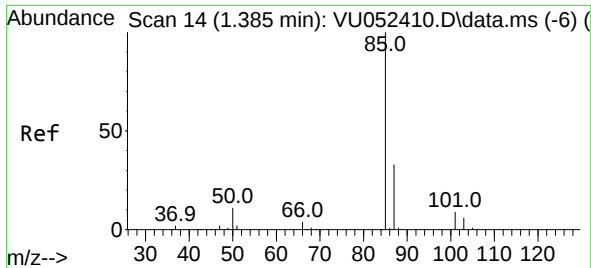
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	105968	5.418	ug/L	99
29) 1,1,1-Trichloroethane	5.311	97	142088	5.753	ug/L	100
30) Cyclohexane	5.388	56	136472	5.691	ug/L	97
31) Carbon tetrachloride	5.520	117	115312	5.495	ug/L	99
33) Benzene	5.771	78	404334	5.581	ug/L	100
34) Trichloroethene	6.539	95	98121	5.430	ug/L	97
35) Methylcyclohexane	6.761	83	143069	5.504	ug/L	99
37) 1,2-Dichloropropane	6.787	63	108239	5.770	ug/L	99
38) Bromodichloromethane	7.102	83	130578	5.710	ug/L	97
39) cis-1,3-Dichloropropene	7.603	75	127753	5.304	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	592835	60.502	ug/L	99
42) Toluene	7.967	91	428685	5.752	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	114064	5.531	ug/L	97
45) 1,1,2-Trichloroethane	8.398	97	81847	5.806	ug/L	98
47) Tetrachloroethene	8.549	164	79209	5.719	ug/L	99
48) 2-Hexanone	8.681	43	451583	62.864	ug/L	99
49) Dibromochloromethane	8.806	129	92976	5.889	ug/L	97
50) 1,2-Dibromoethane	8.918	107	73433	5.719	ug/L	98
51) Chlorobenzene	9.443	112	264389	5.564	ug/L	100
52) Ethylbenzene	9.568	91	402185	5.551	ug/L	100
53) m,p-Xylene	9.690	106	159792	5.696	ug/L	96
54) o-Xylene	10.099	106	152816	5.683	ug/L	97
55) Styrene	10.111	104	263322	5.798	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	104305	5.924	ug/L	100
59) Bromoform	10.285	173	53968	5.475	ug/L	97
60) Isopropylbenzene	10.481	105	400248	5.325	ug/L	100
61) 1,2,3-Trichloropropane	10.819	75	71081	5.190	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	294333	4.898	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	295935	4.962	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	205650	5.358	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	203603	5.319	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	196044	5.304	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	14720	4.911	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	141012	5.181	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	109296	5.273	ug/L	100
71) Naphthalene	14.082	128	177120	4.552	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	105563	5.177	ug/L	100

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

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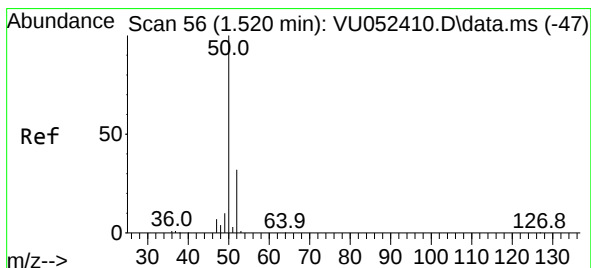
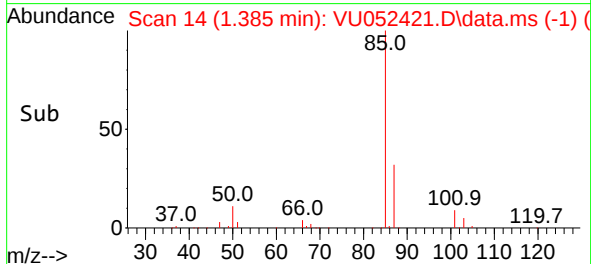
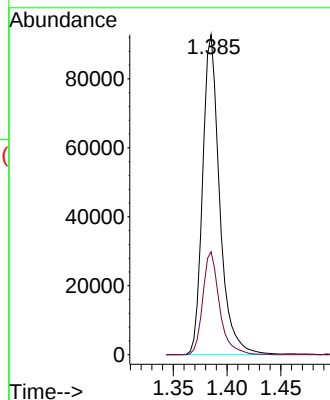
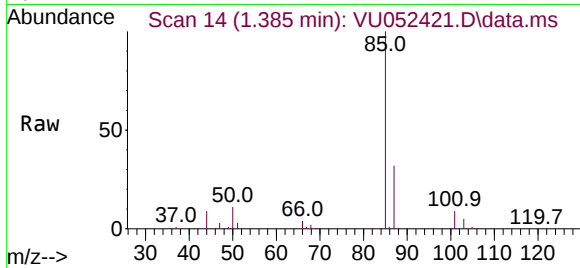




#2
 Dichlorodifluoromethane
 Concen: 5.245 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU052421.D
 Acq: 15 Dec 2022 17:14

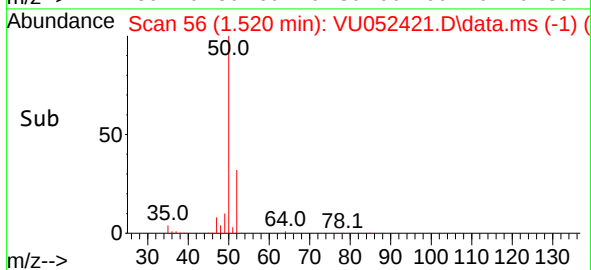
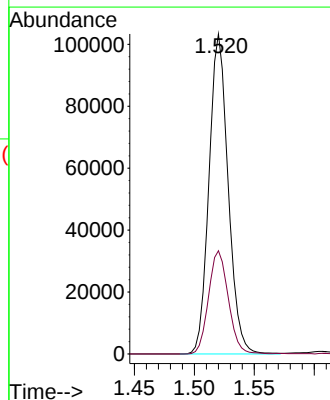
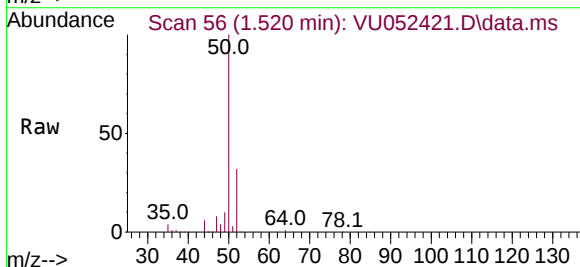
Instrument :
 MSVOA_U
 ClientSampleId :
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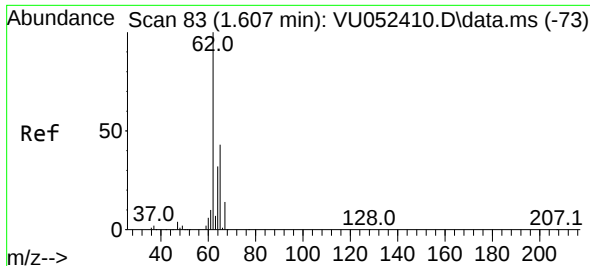
Tgt Ion: 85 Resp: 102288
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.8 38.8



#3
 Chloromethane
 Concen: 4.504 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU052421.D
 Acq: 15 Dec 2022 17:14

Tgt Ion: 50 Resp: 114643
 Ion Ratio Lower Upper
 50 100
 52 32.3 23.4 43.4

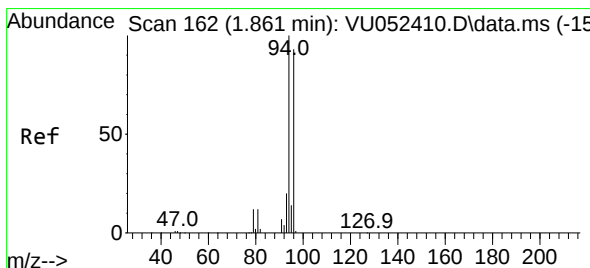
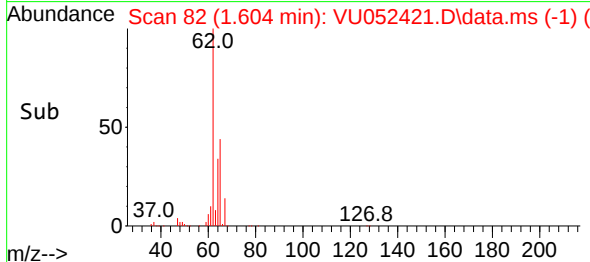
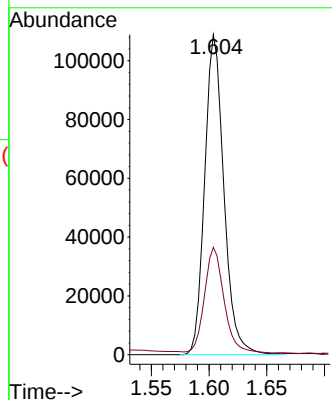
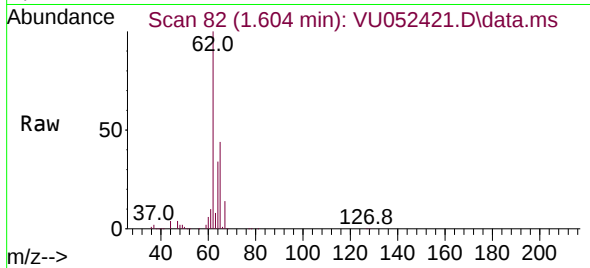




#5
 Vinyl chloride
 Concen: 5.156 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU052421.D
 Acq: 15 Dec 2022 17:14

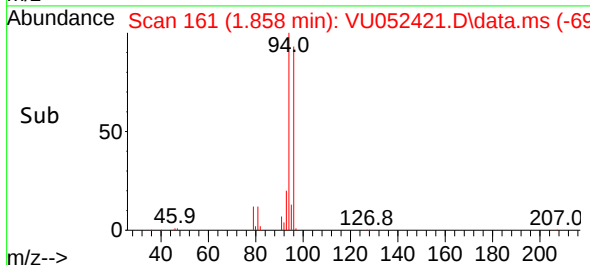
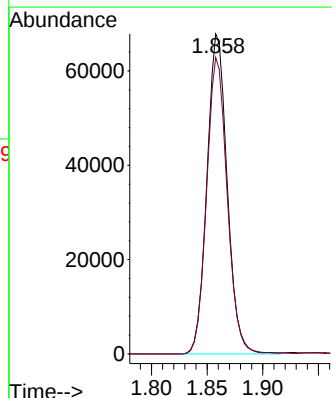
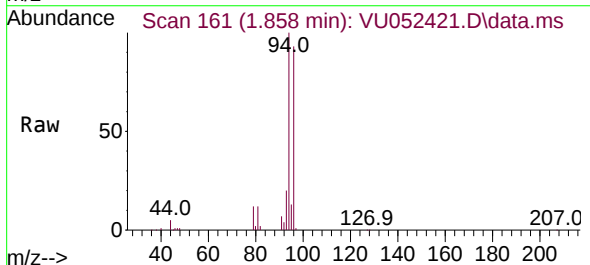
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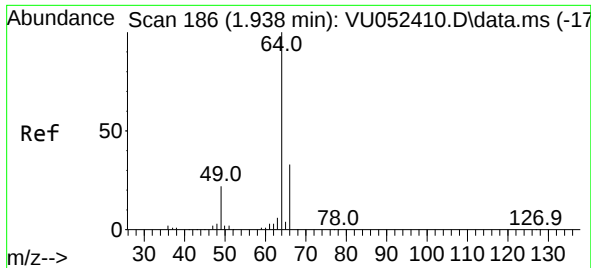
Tgt Ion: 62 Resp: 126085
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.5 43.7



#6
 Bromomethane
 Concen: 6.837 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.003 min
 Lab File: VU052421.D
 Acq: 15 Dec 2022 17:14

Tgt Ion: 94 Resp: 85802
 Ion Ratio Lower Upper
 94 100
 96 92.6 65.7 122.1

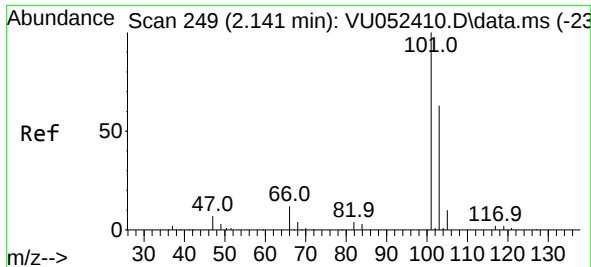
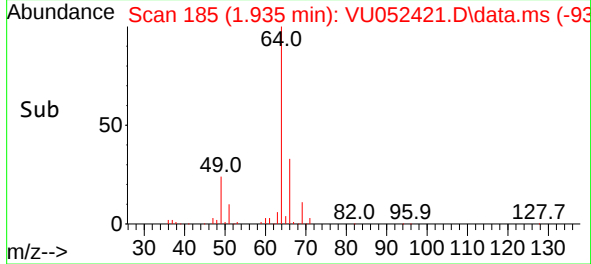
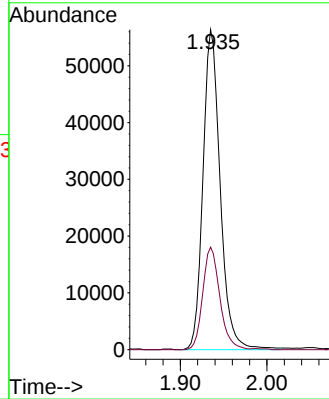
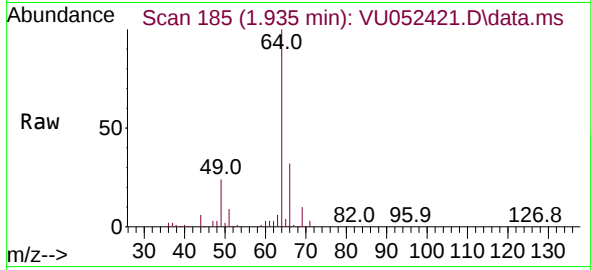




#8
Chloroethane
Concen: 5.125 ug/L
RT: 1.935 min Scan# 186
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

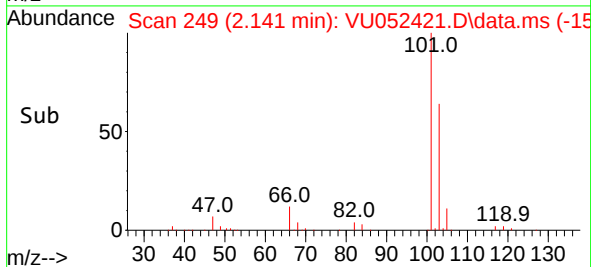
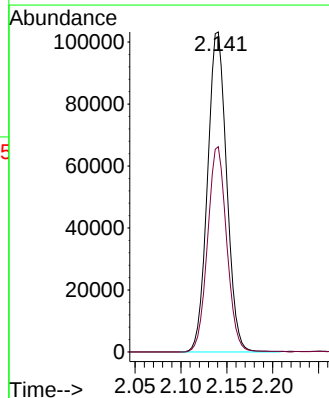
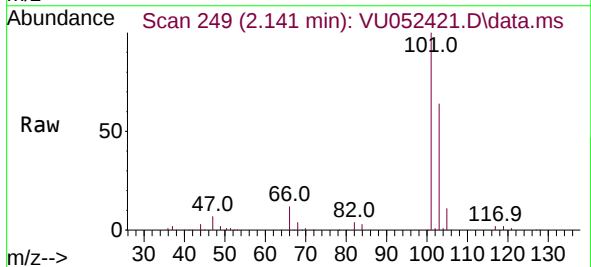
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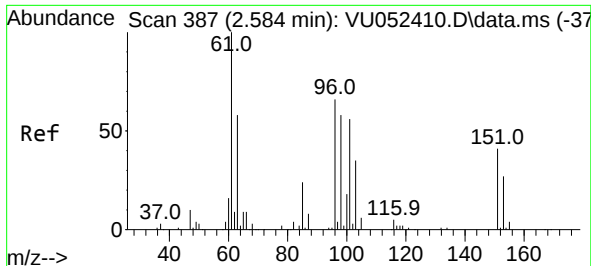
Tgt Ion: 64 Resp: 77942
Ion Ratio Lower Upper
64 100
66 32.1 21.1 39.1



#9
Trichlorofluoromethane
Concen: 5.568 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

Tgt Ion:101 Resp: 149790
Ion Ratio Lower Upper
101 100
103 64.1 51.6 77.4

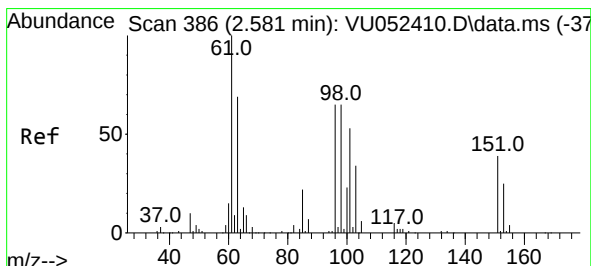
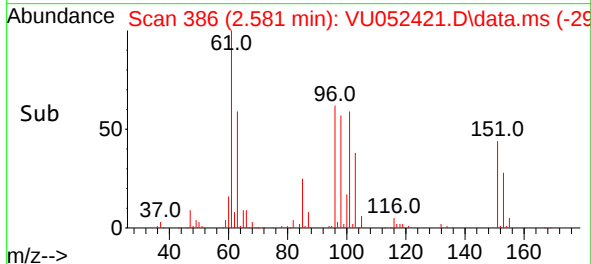
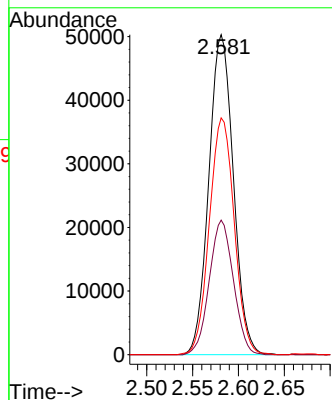
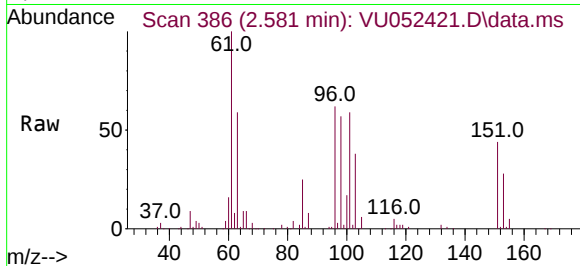




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.691 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

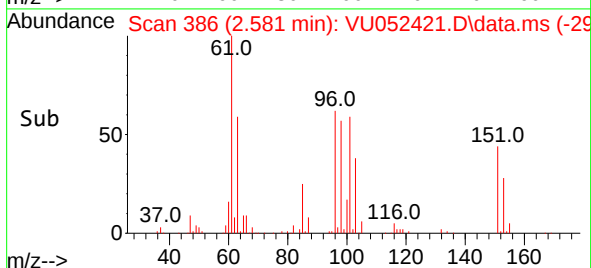
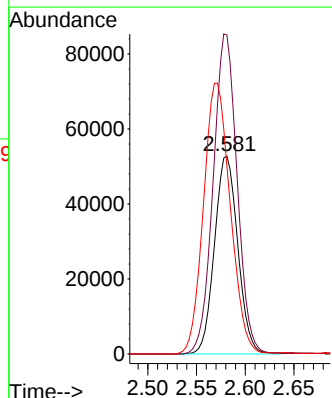
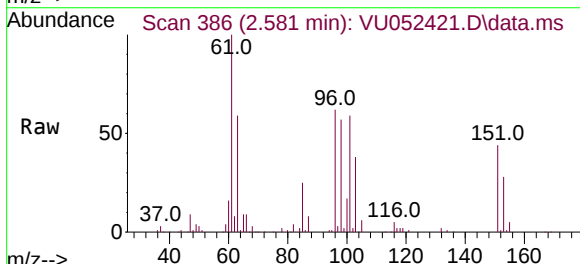
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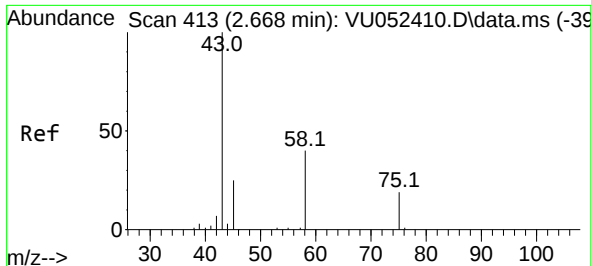
Tgt Ion:101 Resp: 93605
Ion Ratio Lower Upper
101 100
85 41.3 33.8 50.6
151 75.1 58.6 88.0



#12
1,1-Dichloroethene
Concen: 5.373 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.000 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

Tgt Ion: 96 Resp: 87642
Ion Ratio Lower Upper
96 100
61 161.2 114.8 213.2
63 94.9 93.7 174.1





#13

Acetone

Concen: 58.011 ug/L

RT: 2.652 min Scan# 408

Delta R.T. -0.016 min

Lab File: VU052421.D

Acq: 15 Dec 2022 17:14

Instrument :

MSVOA_U

ClientSampleId :

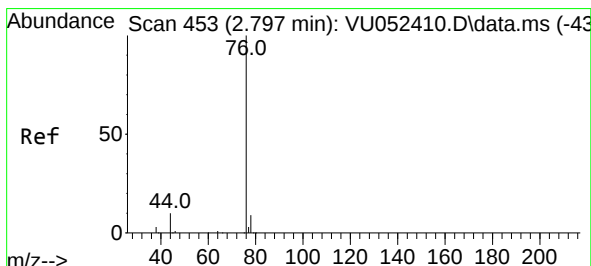
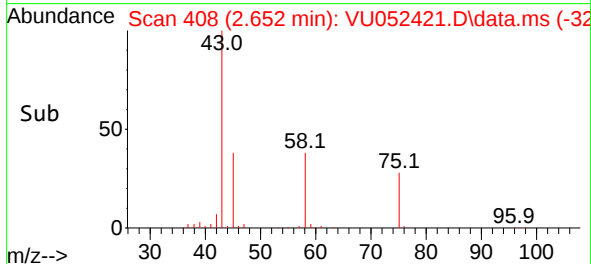
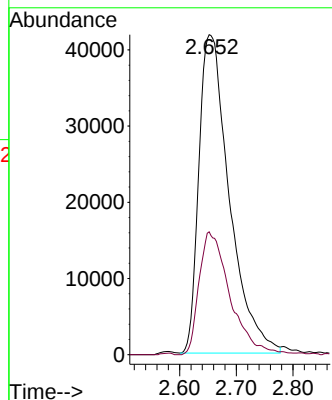
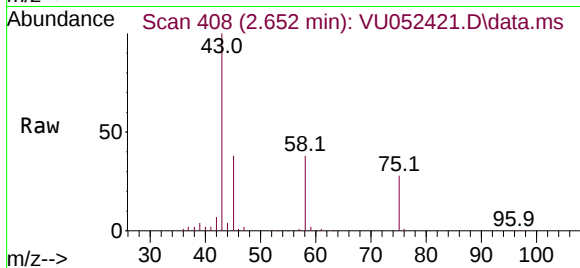
VSTD005110

Tgt Ion: 43 Resp: 156187

Ion Ratio Lower Upper

43 100

58 39.1 0.0 76.0



#14

Carbon disulfide

Concen: 4.977 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.003 min

Lab File: VU052421.D

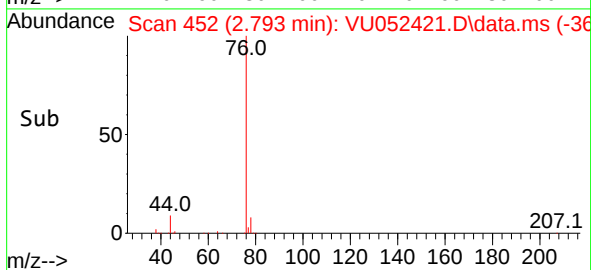
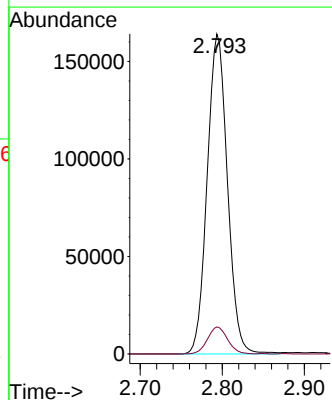
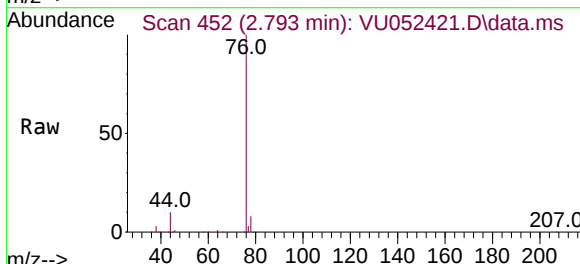
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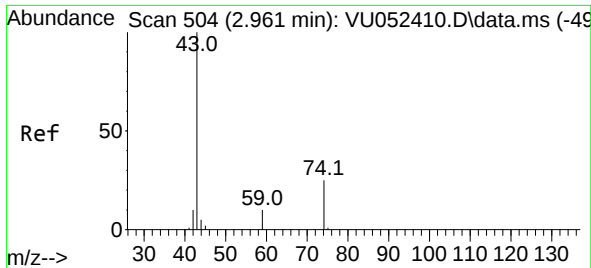
Tgt Ion: 76 Resp: 281054

Ion Ratio Lower Upper

76 100

78 8.4 7.0 10.4

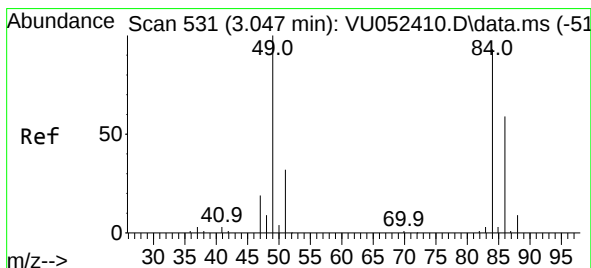
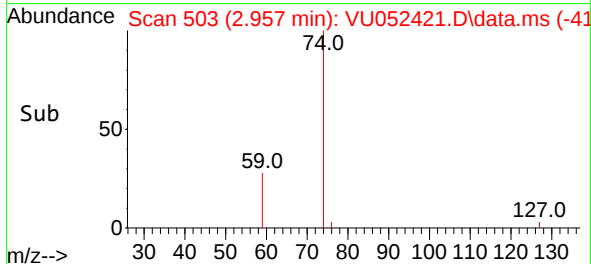
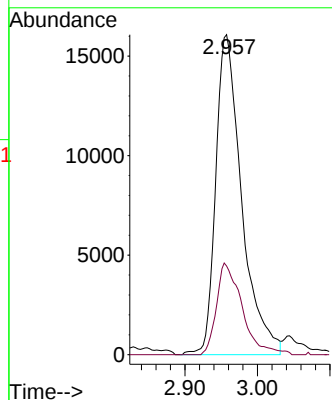
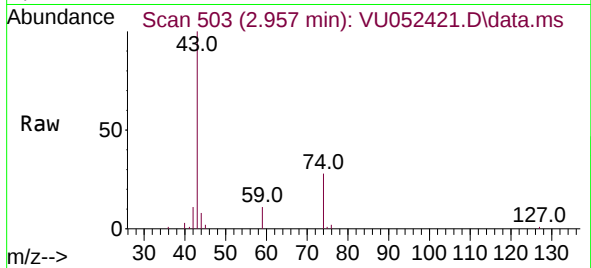




#15
Methyl Acetate
Concen: 5.719 ug/L
RT: 2.957 min Scan# 504
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

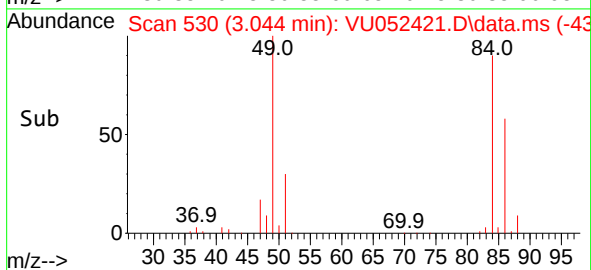
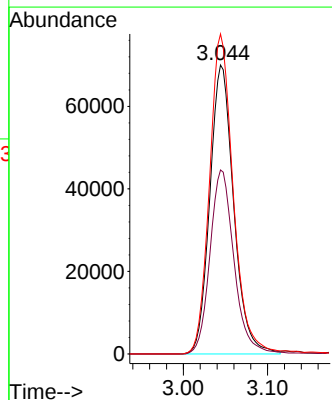
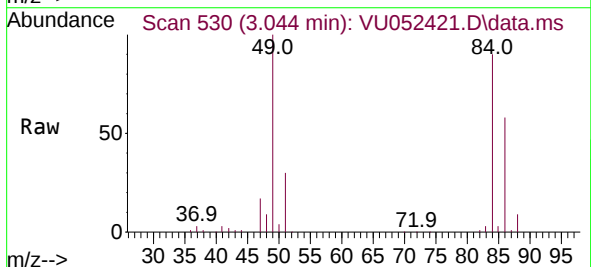
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

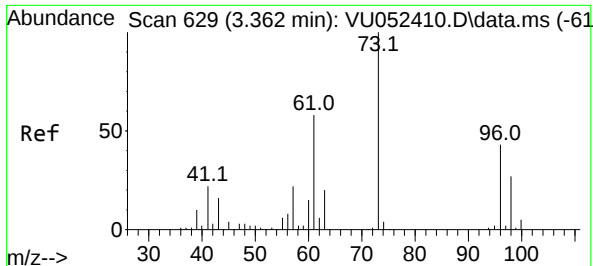
Tgt Ion: 43 Resp: 39938
Ion Ratio Lower Upper
43 100
74 28.3 21.3 31.9



#16
Methylene chloride
Concen: 6.246 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

Tgt Ion: 84 Resp: 137847
Ion Ratio Lower Upper
84 100
86 63.7 43.8 81.4
49 110.8 75.9 141.1





#17

Methyl tert-butyl Ether

Concen: 5.344 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU052421.D

Acq: 15 Dec 2022 17:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD005110

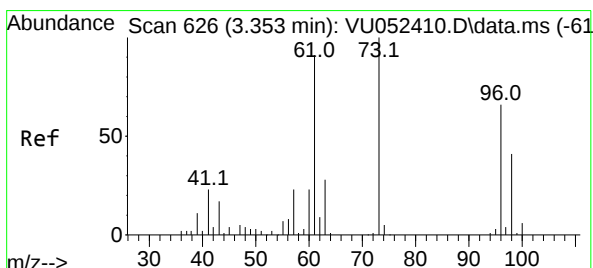
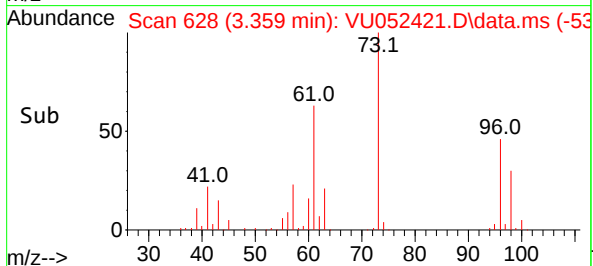
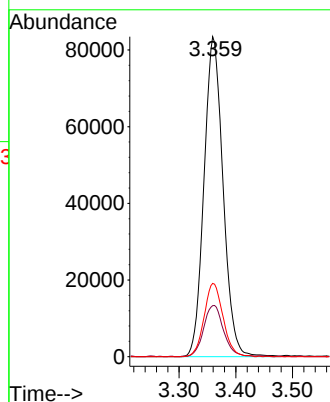
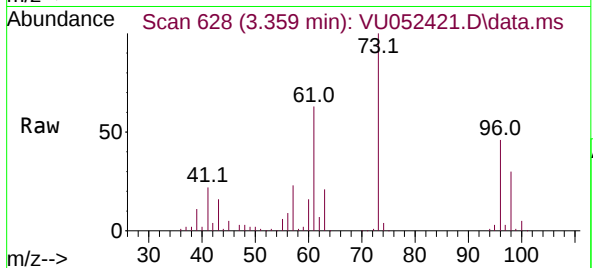
Tgt Ion: 73 Resp: 195173

Ion Ratio Lower Upper

73 100

43 16.8 13.2 19.8

57 22.9 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 5.291 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.003 min

Lab File: VU052421.D

Acq: 15 Dec 2022 17:14

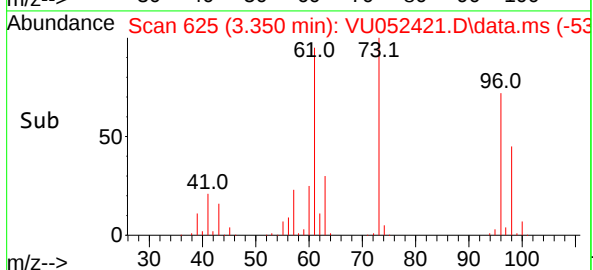
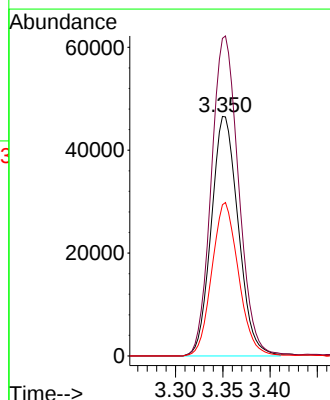
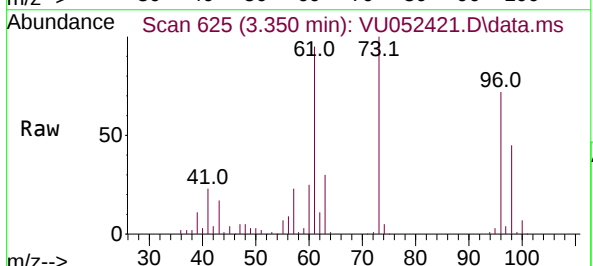
Tgt Ion: 96 Resp: 92514

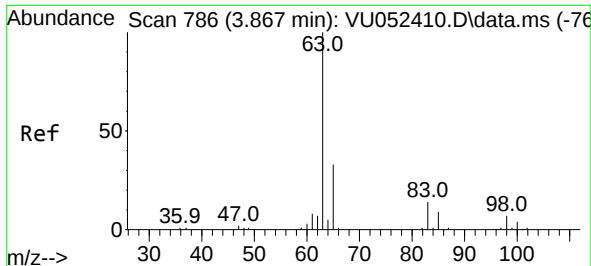
Ion Ratio Lower Upper

96 100

61 132.6 97.9 181.7

98 63.1 43.8 81.3

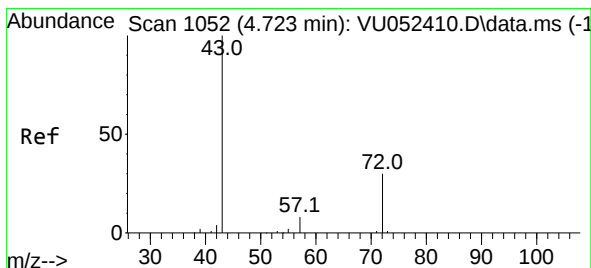
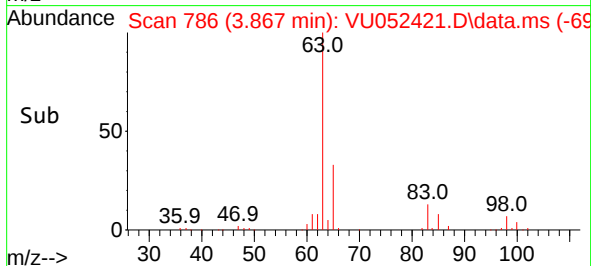
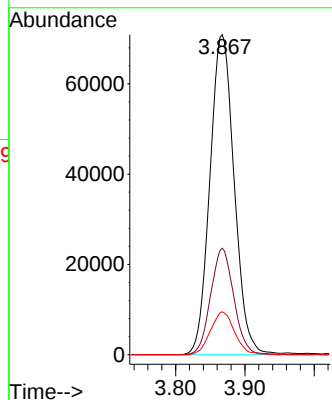
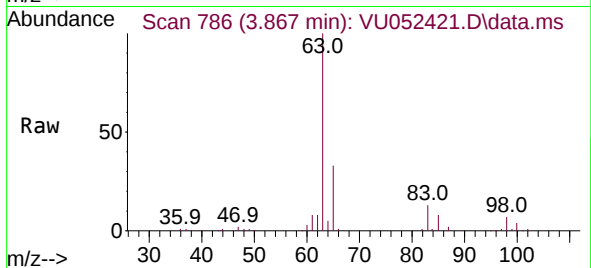




#19
1,1-Dichloroethane
Concen: 5.479 ug/L
RT: 3.867 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

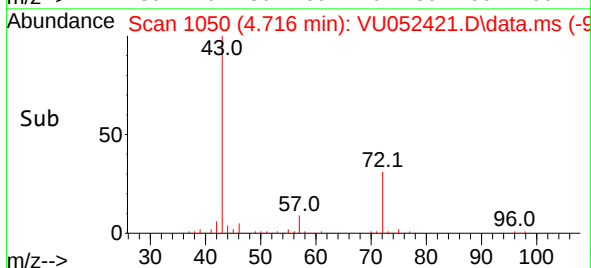
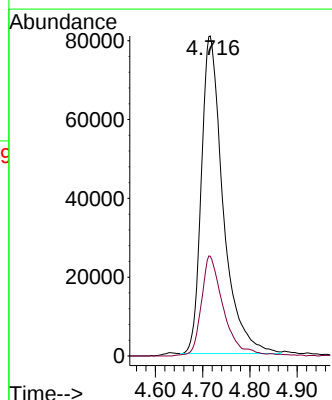
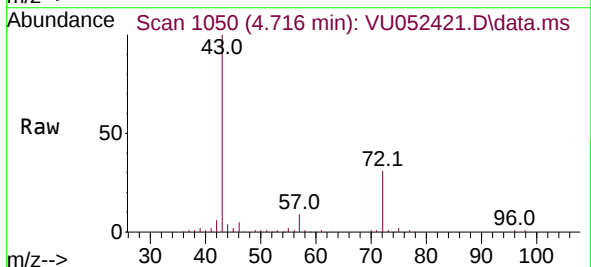
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

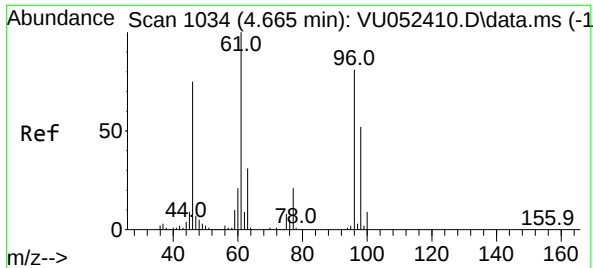
Tgt Ion: 63 Resp: 172684
Ion Ratio Lower Upper
63 100
65 33.2 22.2 41.2
83 13.4 9.2 17.0



#21
2-Butanone
Concen: 59.769 ug/L
RT: 4.716 min Scan# 1050
Delta R.T. -0.006 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

Tgt Ion: 43 Resp: 257916
Ion Ratio Lower Upper
43 100
72 31.9 15.6 46.8

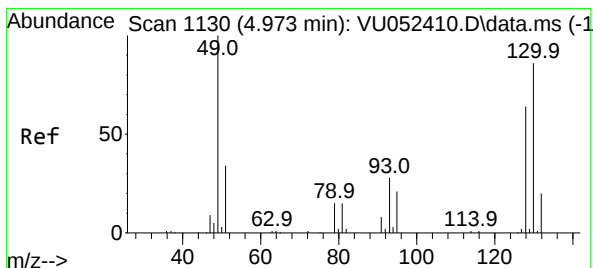
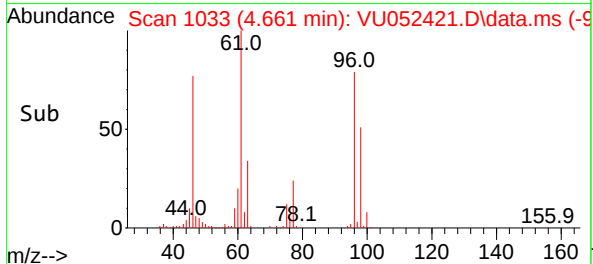
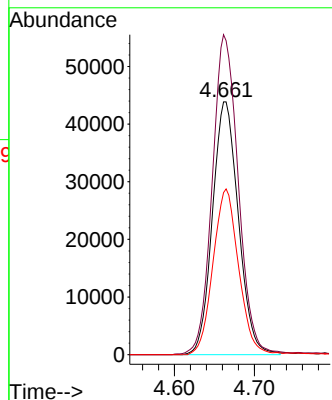
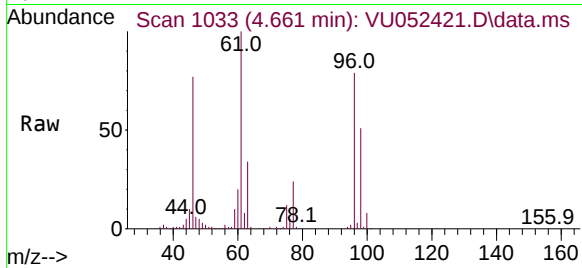




#22
 cis-1,2-Dichloroethene
 Concen: 5.391 ug/L
 RT: 4.661 min Scan# 1103
 Delta R.T. -0.003 min
 Lab File: VU052421.D
 Acq: 15 Dec 2022 17:14

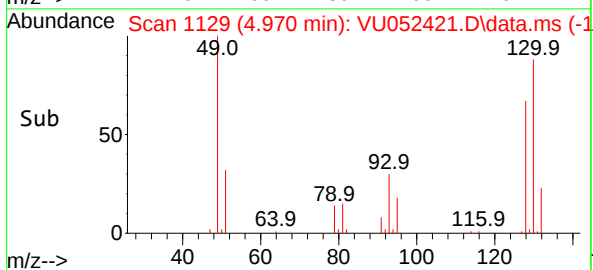
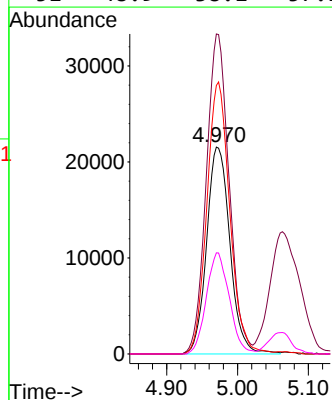
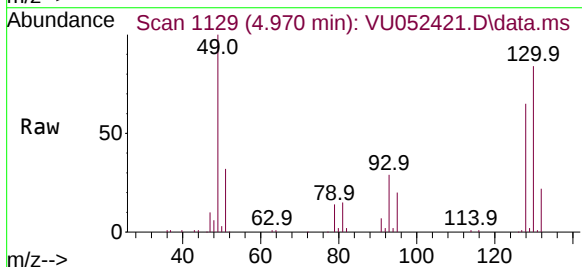
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005110

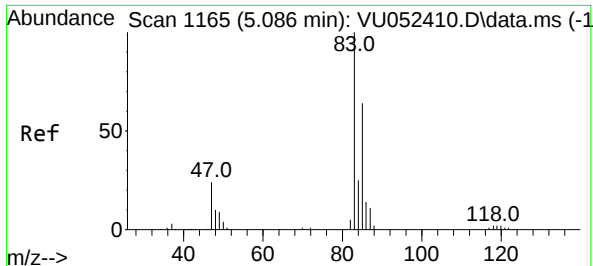
Tgt Ion: 96 Resp: 98931
 Ion Ratio Lower Upper
 96 100
 61 126.6 85.1 158.1
 98 64.1 42.8 79.6



#23
 Bromochloromethane
 Concen: 5.614 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. -0.003 min
 Lab File: VU052421.D
 Acq: 15 Dec 2022 17:14

Tgt Ion:128 Resp: 49293
 Ion Ratio Lower Upper
 128 100
 49 154.7 104.0 193.2
 130 129.8 84.6 157.2
 51 48.9 38.1 57.1





#25

Chloroform

Concen: 5.540 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU052421.D

Acq: 15 Dec 2022 17:14

Instrument :

MSVOA_U

ClientSampleId :

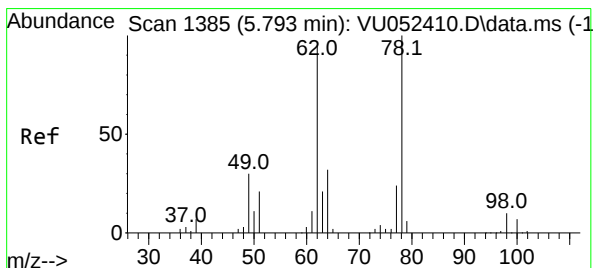
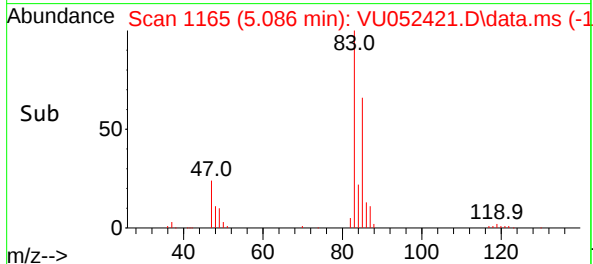
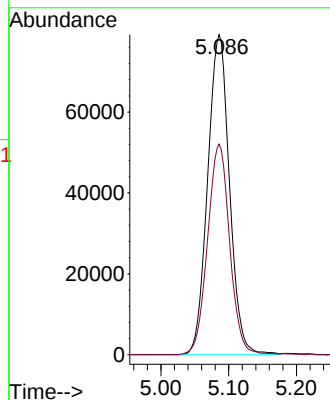
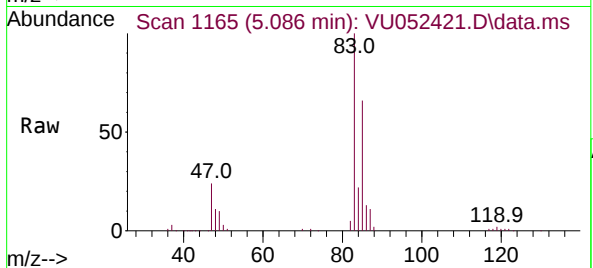
VSTD005110

Tgt Ion: 83 Resp: 176909

Ion Ratio Lower Upper

83 100

85 65.8 43.8 81.4



#27

1,2-Dichloroethane

Concen: 5.418 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU052421.D

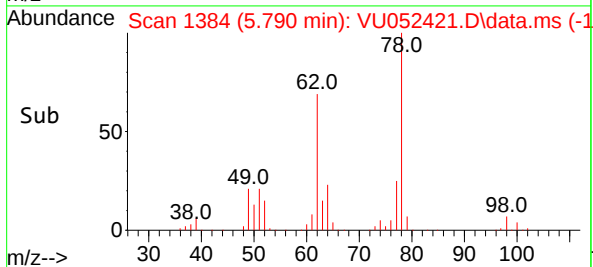
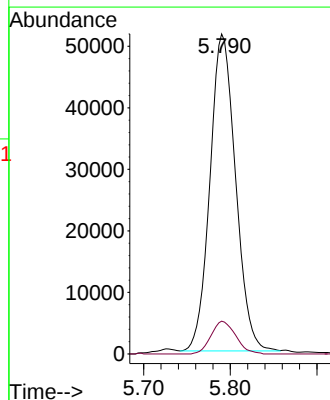
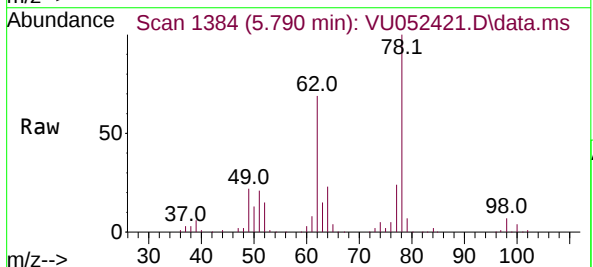
Acq: 15 Dec 2022 17:14

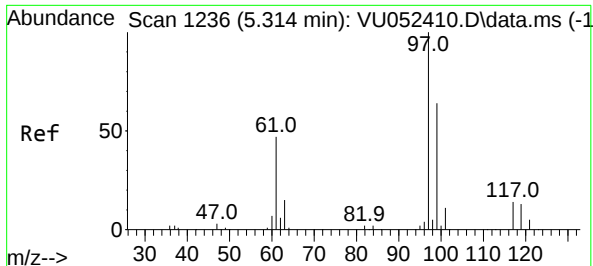
Tgt Ion: 62 Resp: 105968

Ion Ratio Lower Upper

62 100

98 10.2 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 5.753 ug/L

RT: 5.311 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052421.D

Acq: 15 Dec 2022 17:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD005110

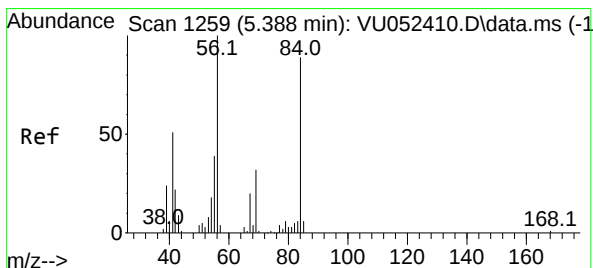
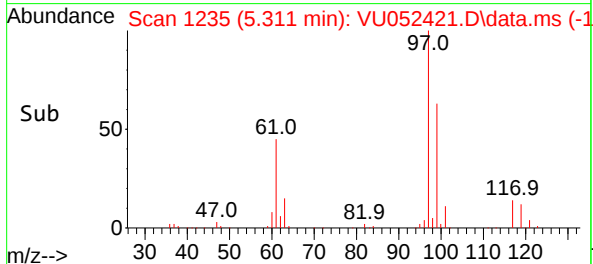
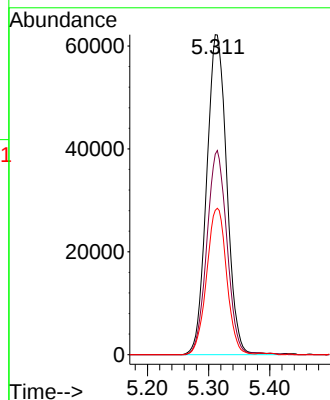
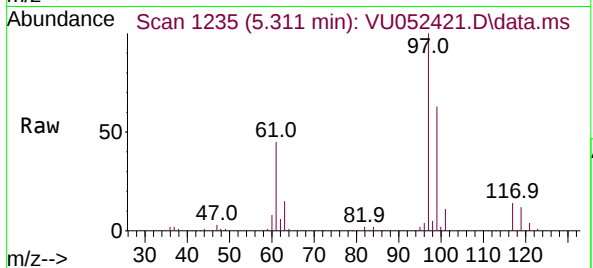
Tgt Ion: 97 Resp: 142088

Ion Ratio Lower Upper

97 100

99 63.6 51.0 76.6

61 45.6 36.9 55.3



#30

Cyclohexane

Concen: 5.691 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU052421.D

Acq: 15 Dec 2022 17:14

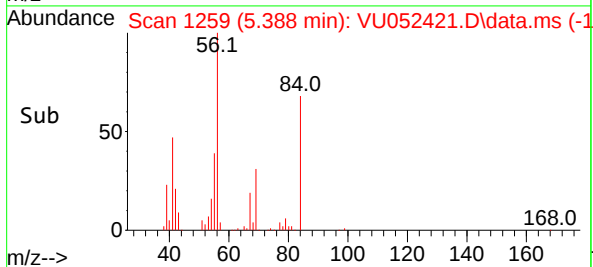
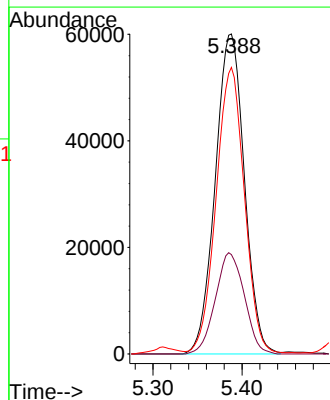
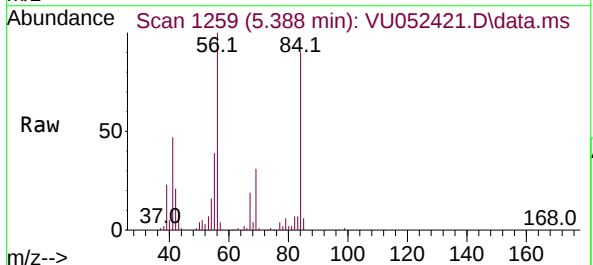
Tgt Ion: 56 Resp: 136472

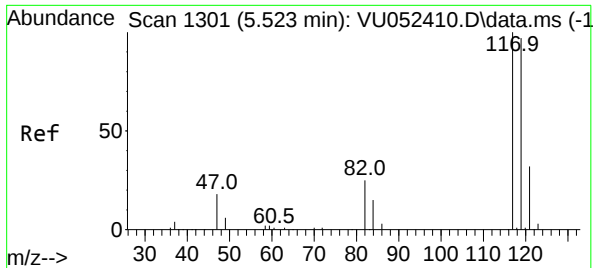
Ion Ratio Lower Upper

56 100

69 31.5 25.6 38.4

84 86.5 72.0 108.0

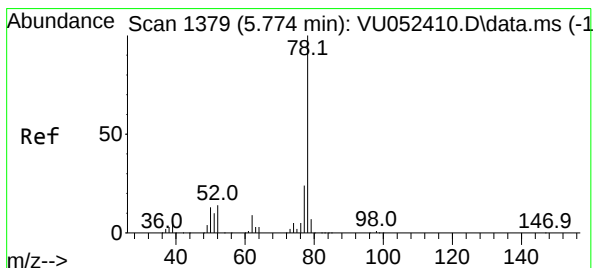
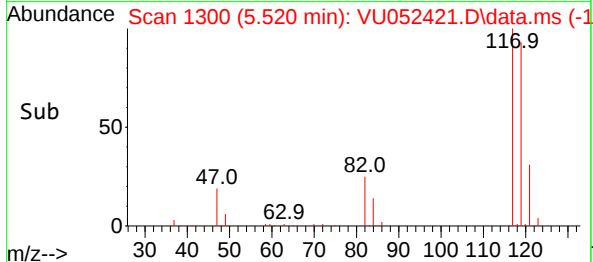
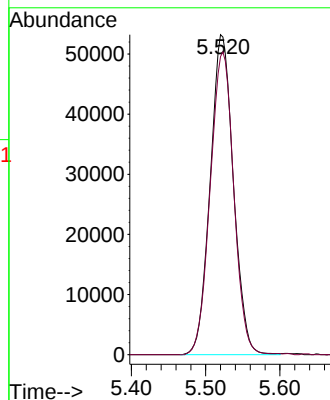
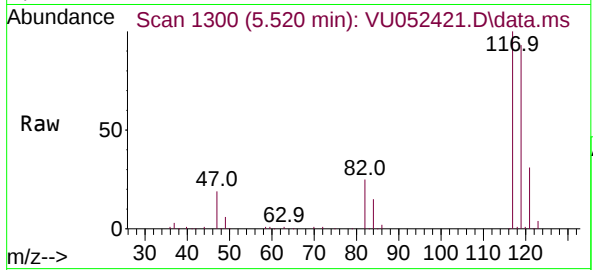




#31
Carbon tetrachloride
Concen: 5.495 ug/L
RT: 5.520 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

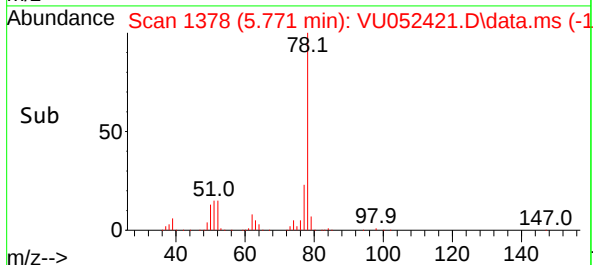
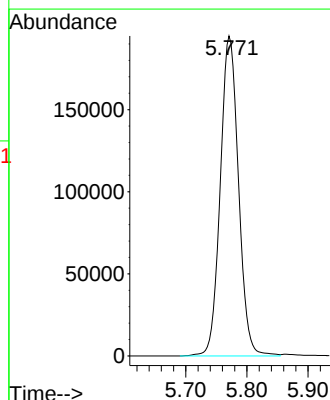
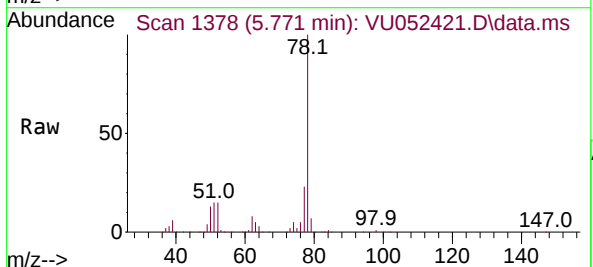
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

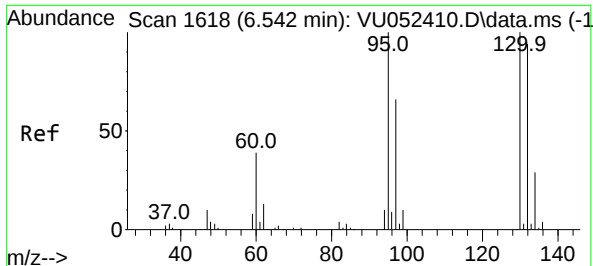
Tgt Ion:117 Resp: 115312
Ion Ratio Lower Upper
117 100
119 95.8 77.2 115.8



#33
Benzene
Concen: 5.581 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

Tgt Ion: 78 Resp: 404334



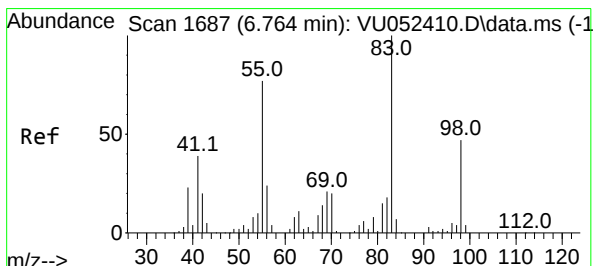
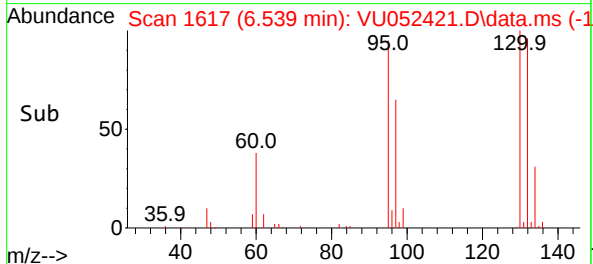
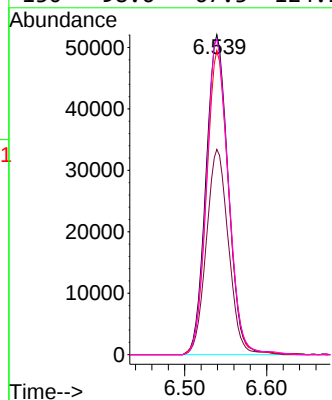
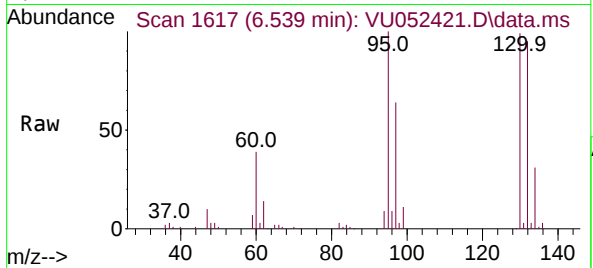


#34
Trichloroethene
Concen: 5.430 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

Tgt Ion: 95 Resp: 98121

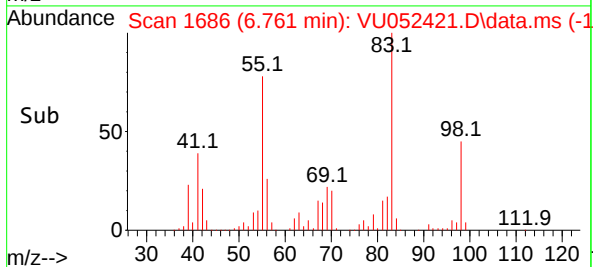
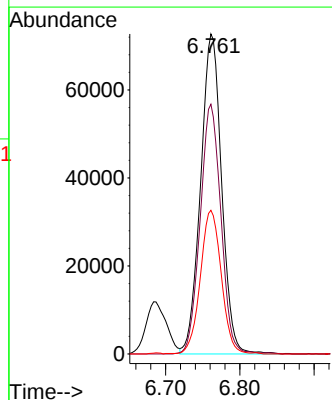
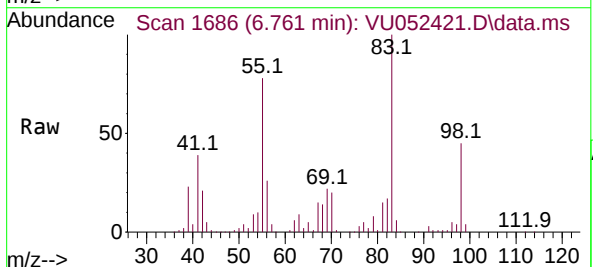
Ion	Ratio	Lower	Upper
95	100		
97	64.1	43.7	81.1
132	95.1	64.3	119.3
130	98.6	67.3	124.9

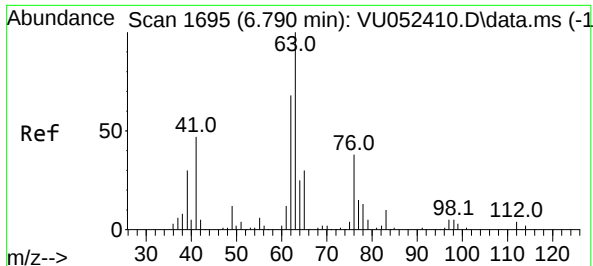


#35
Methylcyclohexane
Concen: 5.504 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

Tgt Ion: 83 Resp: 143069

Ion	Ratio	Lower	Upper
83	100		
55	76.9	60.8	91.2
98	44.1	35.1	52.7

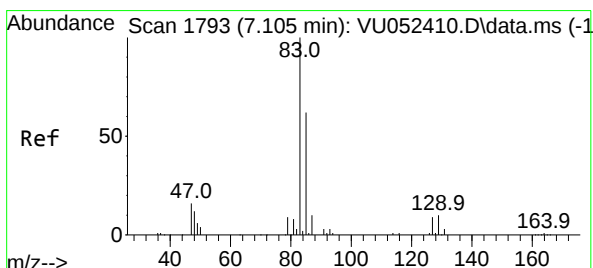
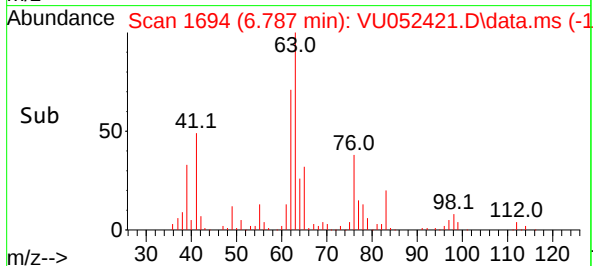
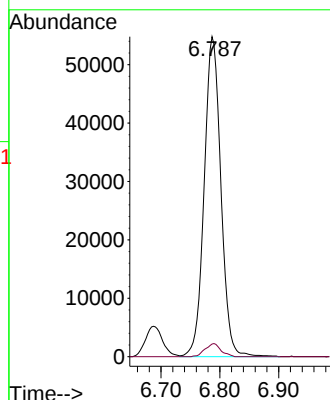
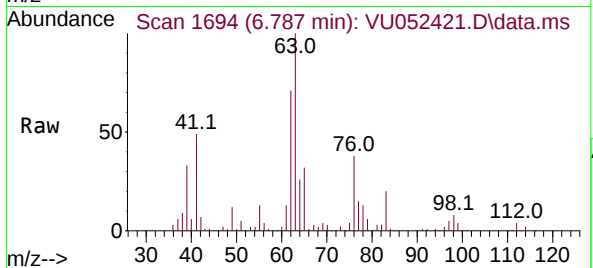




#37
1,2-Dichloropropane
Concen: 5.770 ug/L
RT: 6.787 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

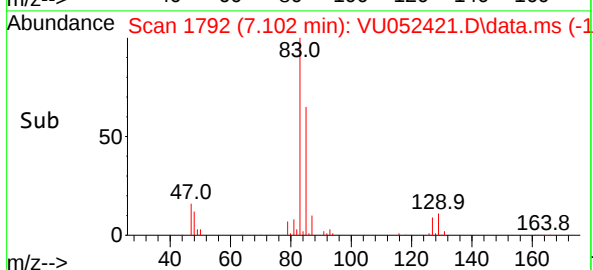
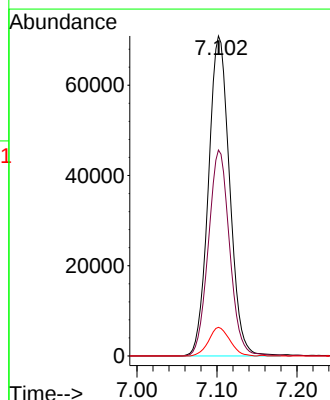
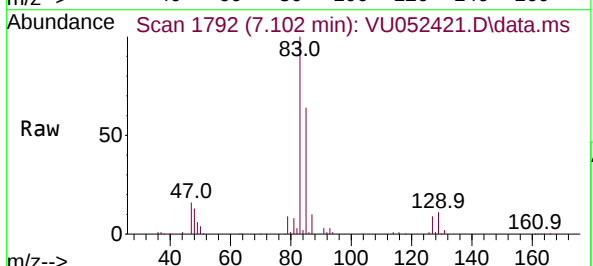
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

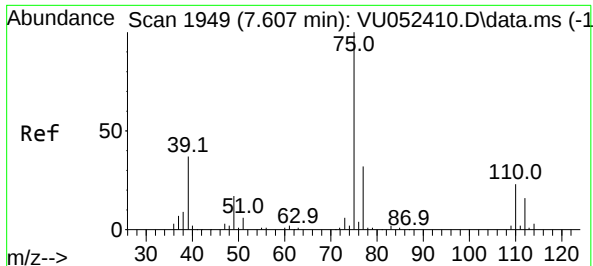
Tgt Ion: 63 Resp: 108239
Ion Ratio Lower Upper
63 100
112 3.9 3.3 4.9



#38
Bromodichloromethane
Concen: 5.710 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

Tgt Ion: 83 Resp: 130578
Ion Ratio Lower Upper
83 100
85 64.4 43.5 80.9
127 8.9 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 5.304 ug/L

RT: 7.603 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU052421.D

Acq: 15 Dec 2022 17:14

Instrument :

MSVOA_U

ClientSampleId :

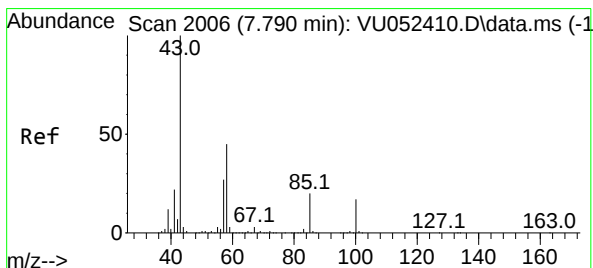
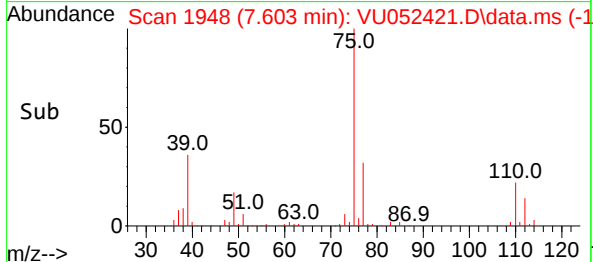
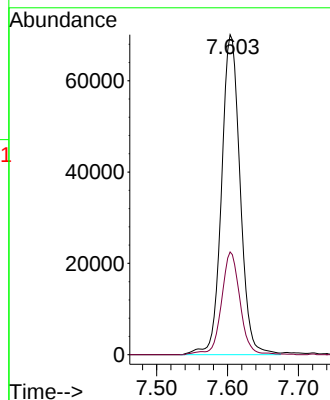
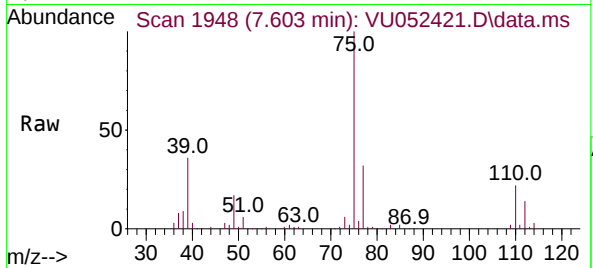
VSTD005110

Tgt Ion: 75 Resp: 127753

Ion Ratio Lower Upper

75 100

77 32.1 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 60.502 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU052421.D

Acq: 15 Dec 2022 17:14

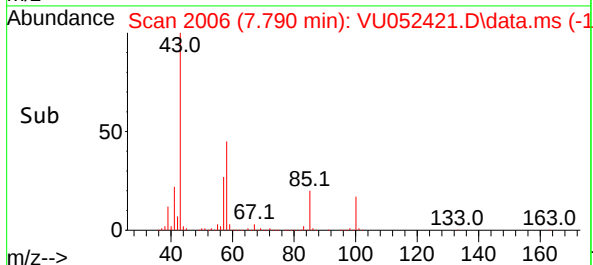
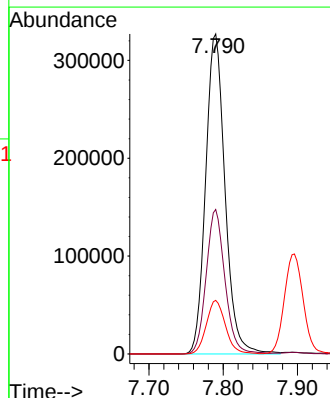
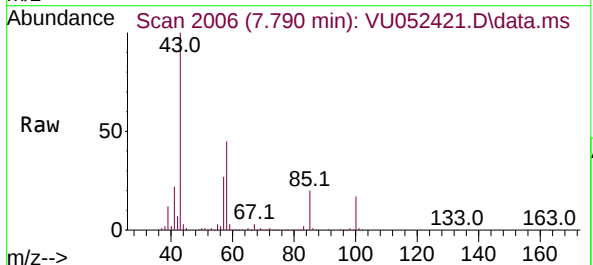
Tgt Ion: 43 Resp: 592835

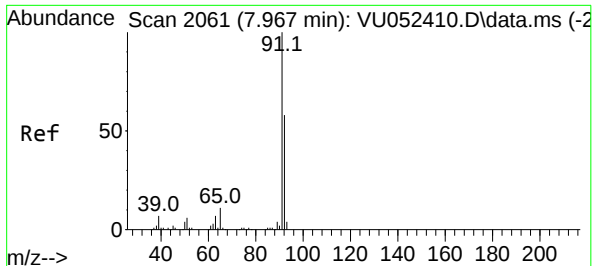
Ion Ratio Lower Upper

43 100

58 43.7 35.3 52.9

100 16.5 13.6 20.4





#42

Toluene

Concen: 5.752 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052421.D

Acq: 15 Dec 2022 17:14

Instrument :

MSVOA_U

ClientSampleId :

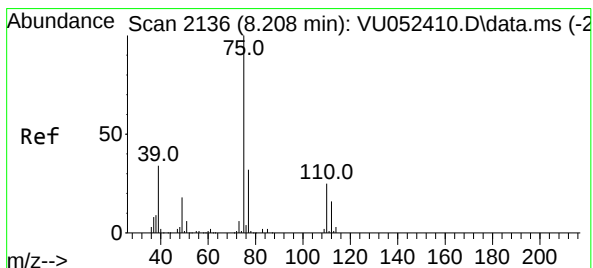
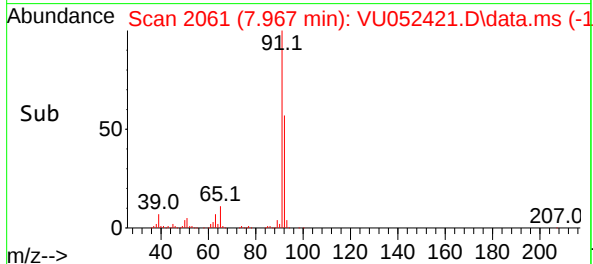
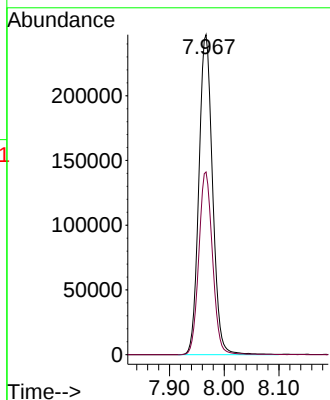
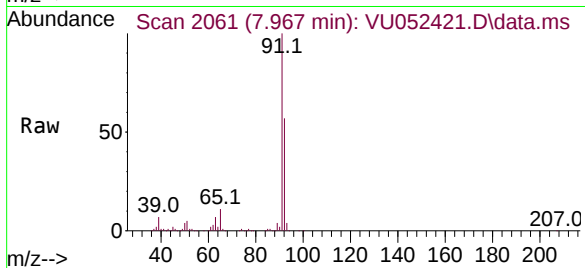
VSTD005110

Tgt Ion: 91 Resp: 428685

Ion Ratio Lower Upper

91 100

92 57.1 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.531 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU052421.D

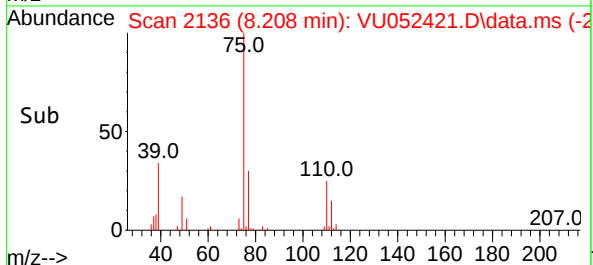
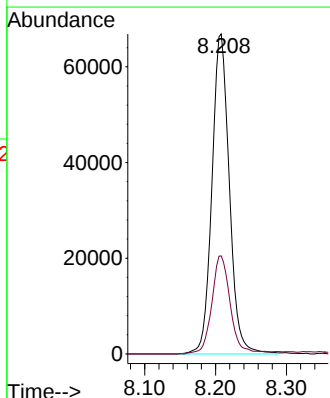
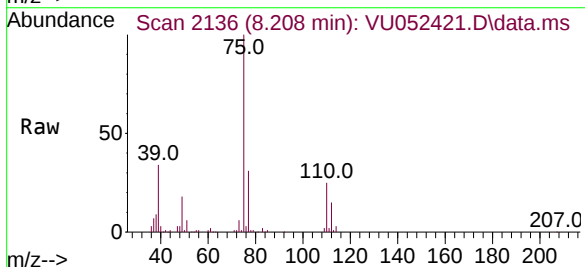
Acq: 15 Dec 2022 17:14

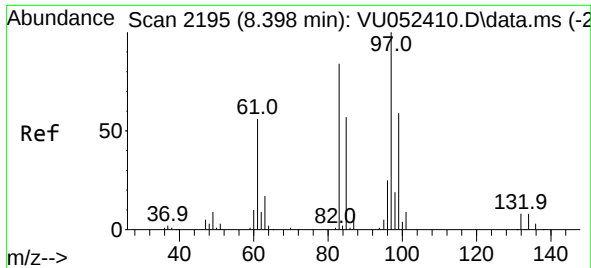
Tgt Ion: 75 Resp: 114064

Ion Ratio Lower Upper

75 100

77 30.7 22.6 42.0

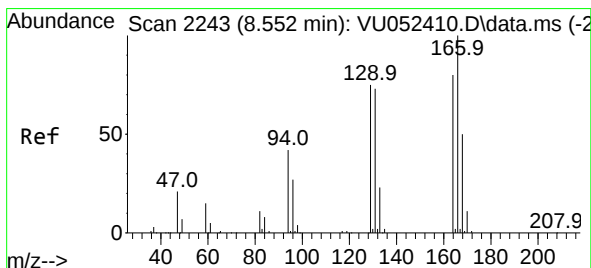
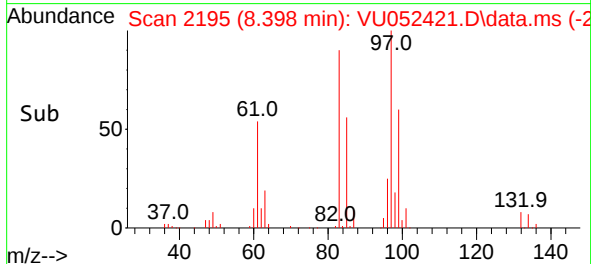
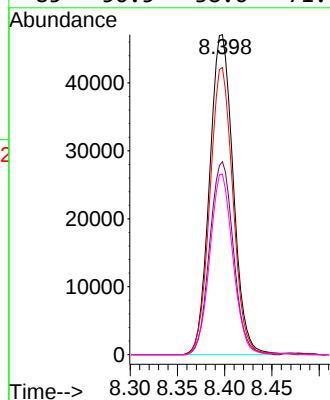
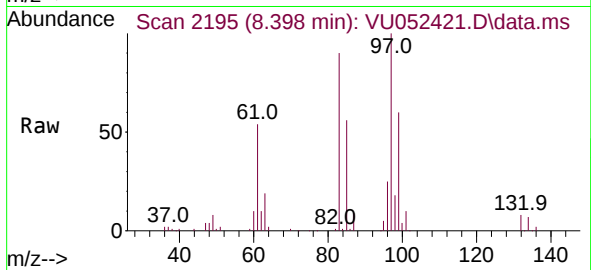




#45
1,1,2-Trichloroethane
Concen: 5.806 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

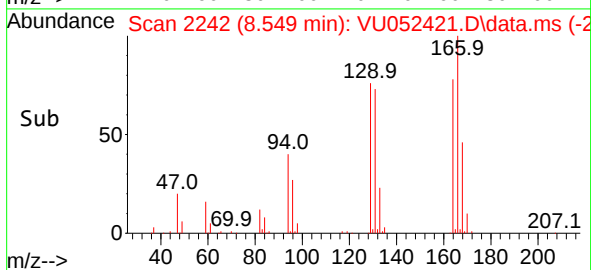
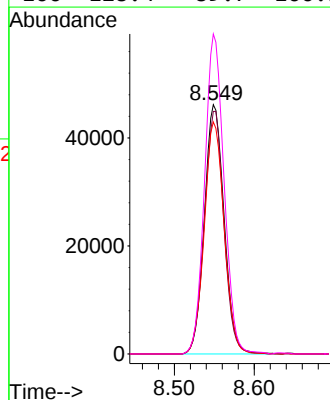
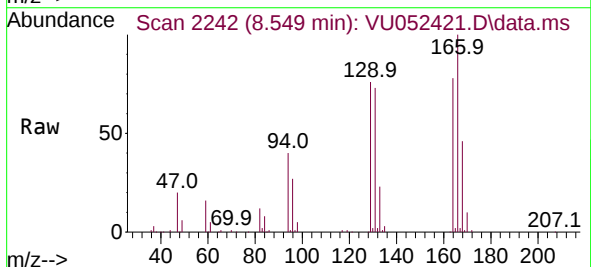
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

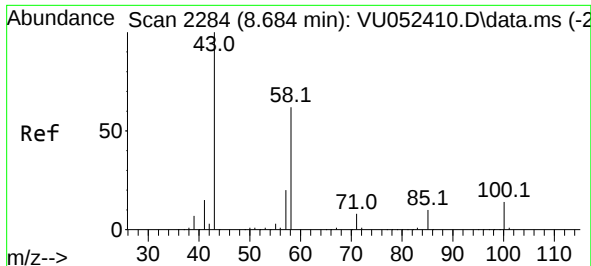
Tgt Ion:	97	Resp:	81847
Ion	Ratio	Lower	Upper
97	100		
99	60.3	42.6	79.2
83	89.7	60.7	112.7
85	56.5	38.6	71.6



#47
Tetrachloroethene
Concen: 5.719 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

Tgt Ion:	164	Resp:	79209
Ion	Ratio	Lower	Upper
164	100		
129	97.3	67.4	125.2
131	93.1	67.1	124.7
166	128.4	89.7	166.5



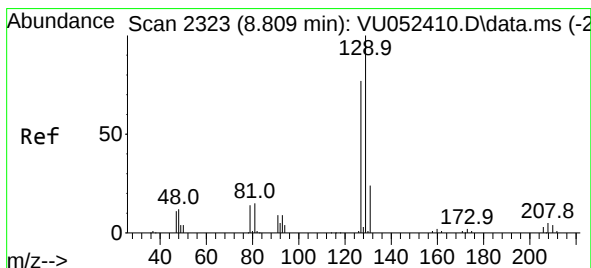
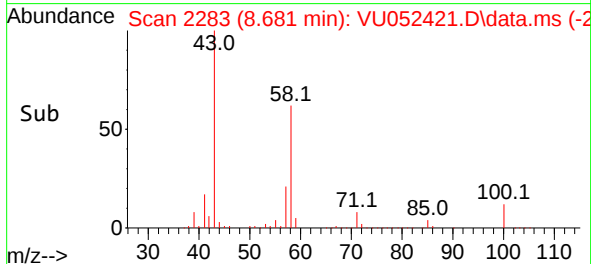
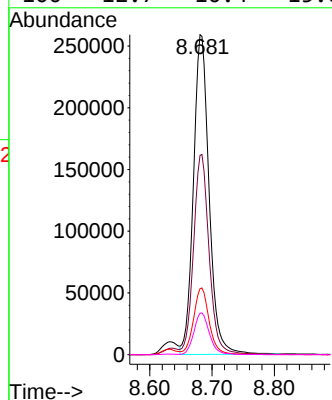
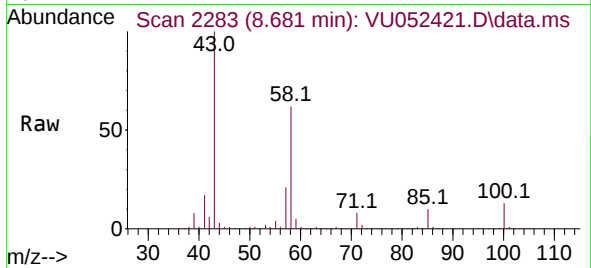


#48
2-Hexanone
Concen: 62.864 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

Tgt Ion: 43 Resp: 451583

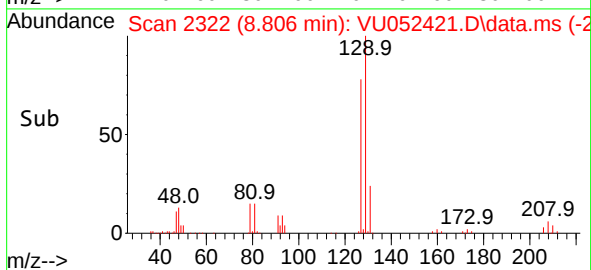
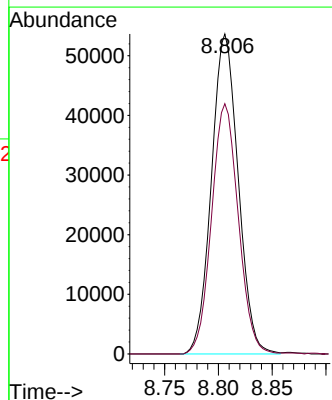
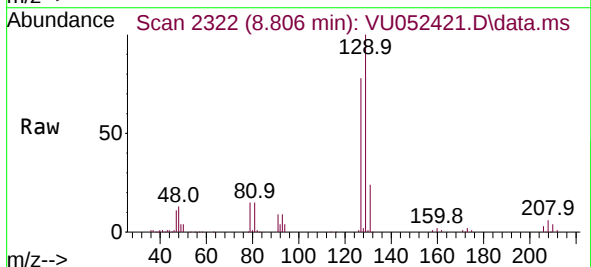
Ion	Ratio	Lower	Upper
43	100		
58	62.2	49.4	74.0
57	20.8	16.3	24.5
100	12.7	10.4	15.6

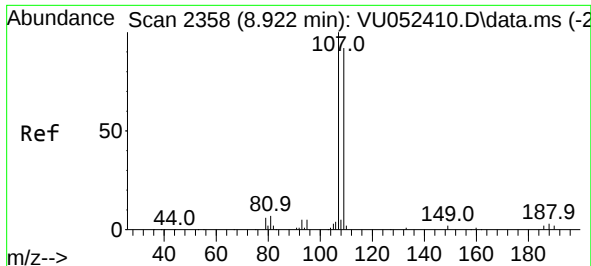


#49
Dibromochloromethane
Concen: 5.889 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

Tgt Ion: 129 Resp: 92976

Ion	Ratio	Lower	Upper
129	100		
127	78.2	52.8	98.2





#50

1,2-Dibromoethane

Concen: 5.719 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU052421.D

Acq: 15 Dec 2022 17:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD005110

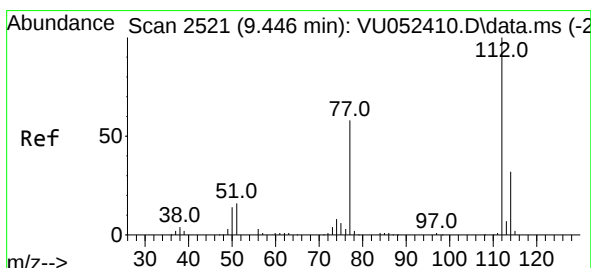
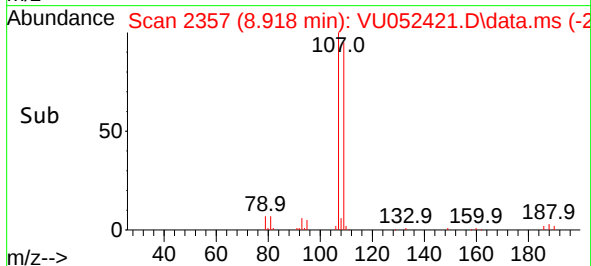
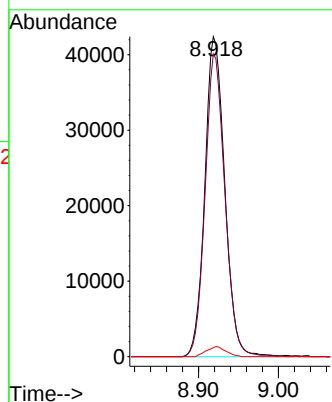
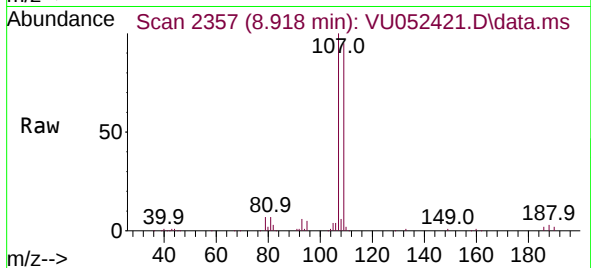
Tgt Ion:107 Resp: 73433

Ion Ratio Lower Upper

107 100

109 94.6 64.9 120.5

188 2.8 2.6 4.0



#51

Chlorobenzene

Concen: 5.564 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.003 min

Lab File: VU052421.D

Acq: 15 Dec 2022 17:14

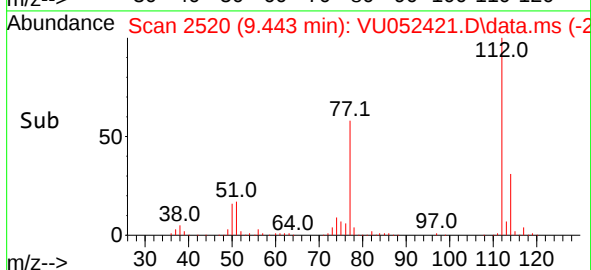
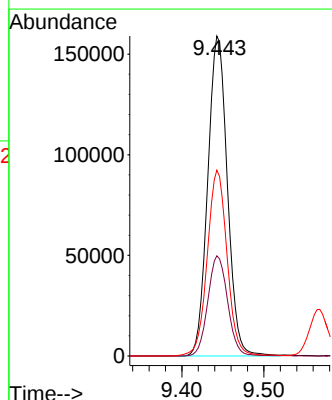
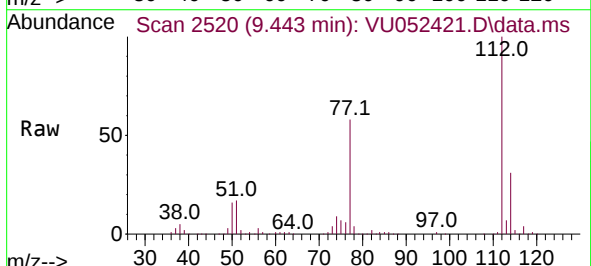
Tgt Ion:112 Resp: 264389

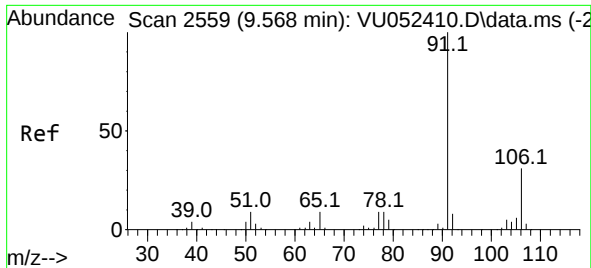
Ion Ratio Lower Upper

112 100

114 31.3 22.2 41.2

77 58.0 46.6 70.0

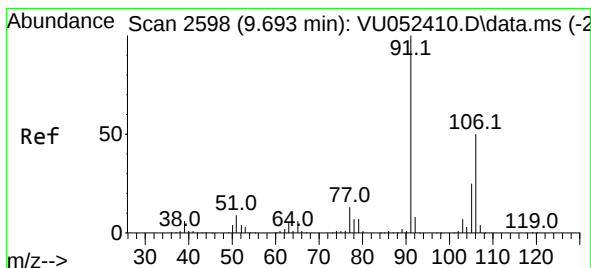
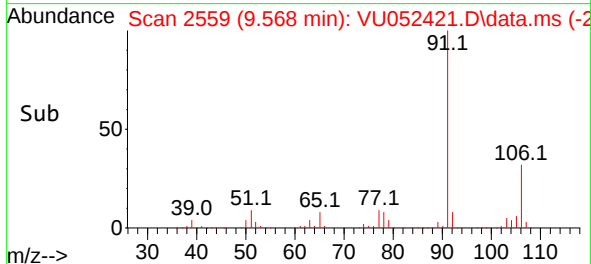
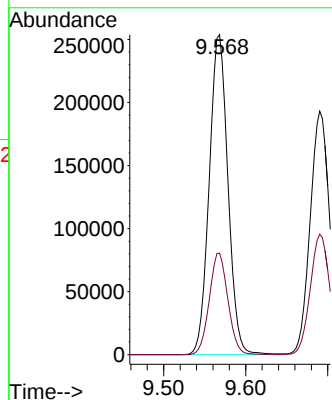
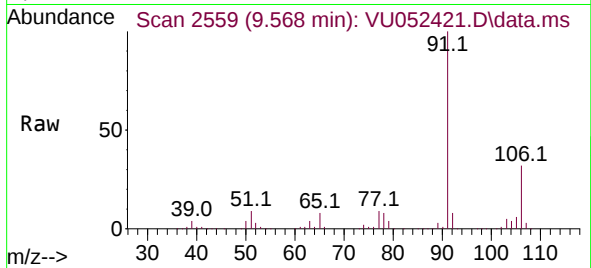




#52
Ethylbenzene
Concen: 5.551 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

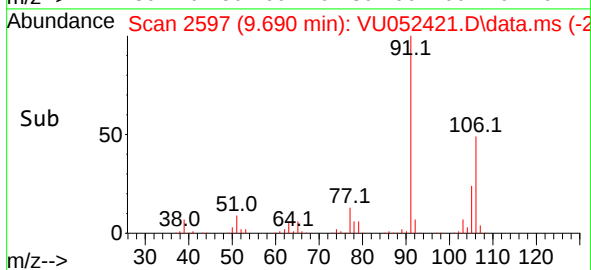
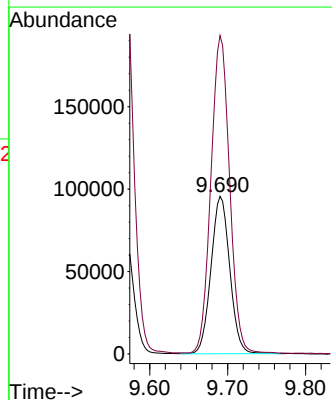
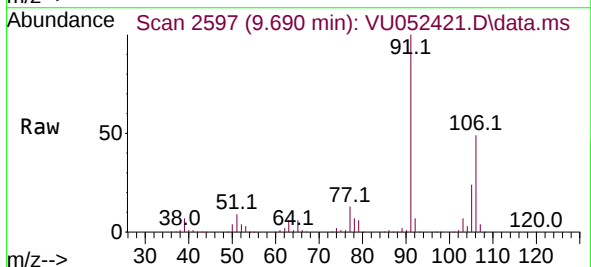
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

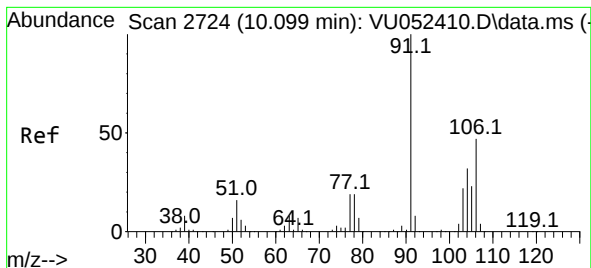
Tgt Ion: 91 Resp: 402185
Ion Ratio Lower Upper
91 100
106 31.8 22.3 41.3



#53
m,p-Xylene
Concen: 5.696 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

Tgt Ion: 106 Resp: 159792
Ion Ratio Lower Upper
106 100
91 202.1 137.7 255.7





#54

o-Xylene

Concen: 5.683 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. 0.000 min

Lab File: VU052421.D

Acq: 15 Dec 2022 17:14

Instrument :

MSVOA_U

ClientSampleId :

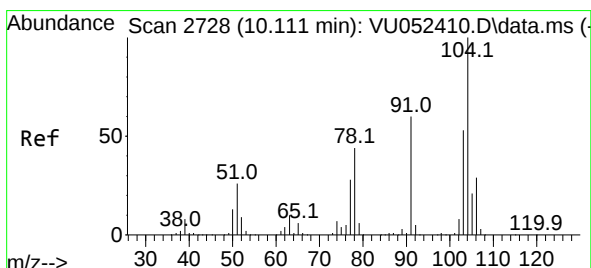
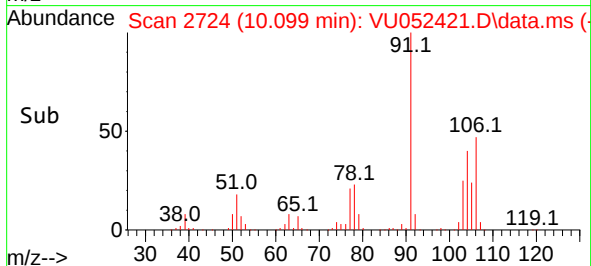
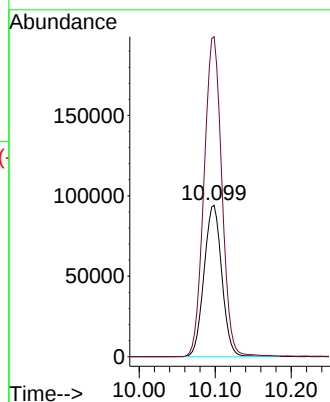
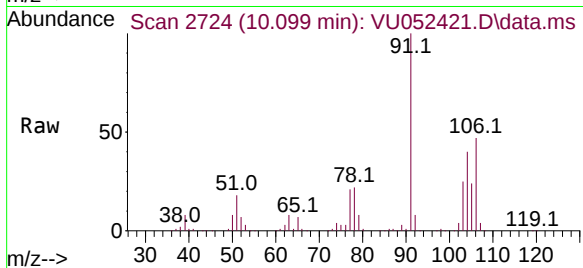
VSTD005110

Tgt Ion:106 Resp: 152816

Ion Ratio Lower Upper

106 100

91 211.3 151.5 281.5



#55

Styrene

Concen: 5.798 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU052421.D

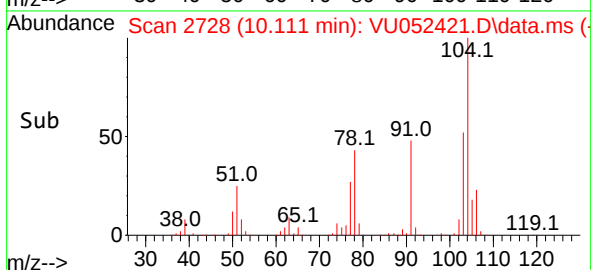
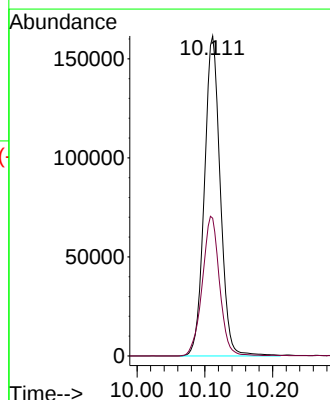
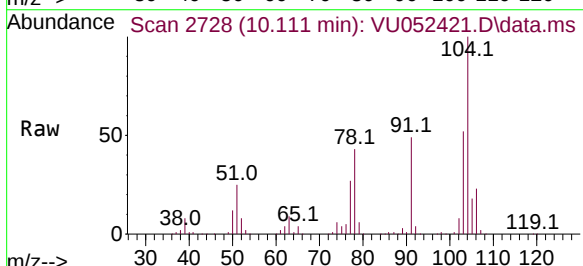
Acq: 15 Dec 2022 17:14

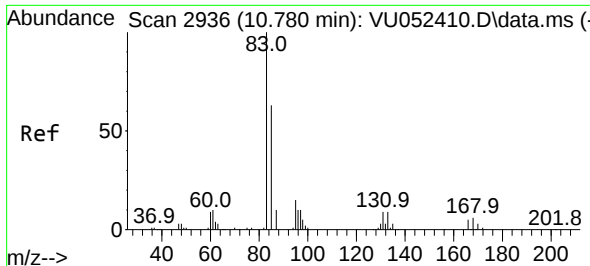
Tgt Ion:104 Resp: 263322

Ion Ratio Lower Upper

104 100

78 43.1 30.6 56.8

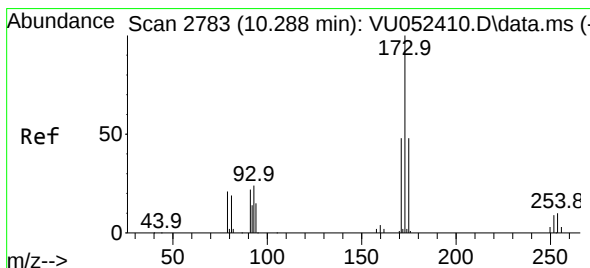
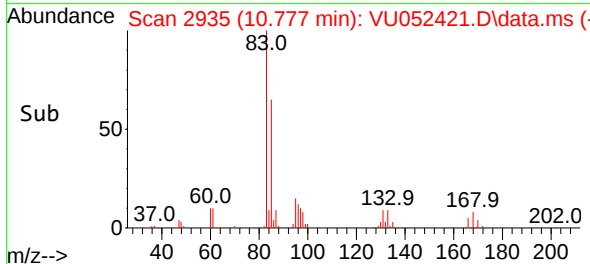
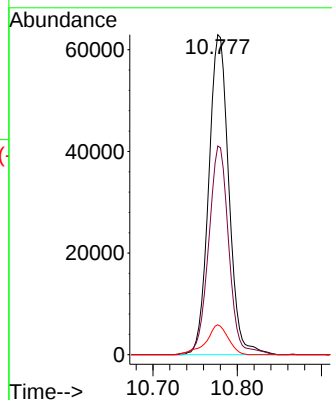
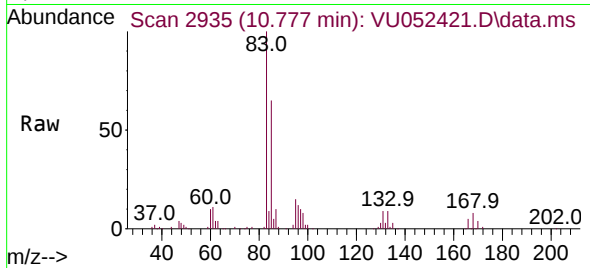




#57
1,1,2,2-Tetrachloroethane
Concen: 5.924 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

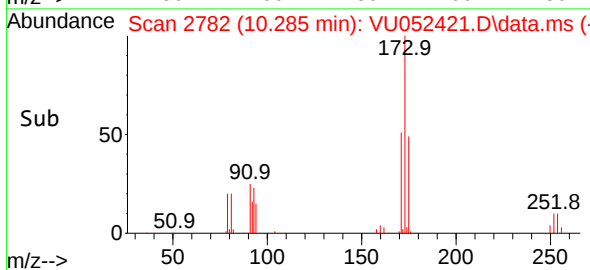
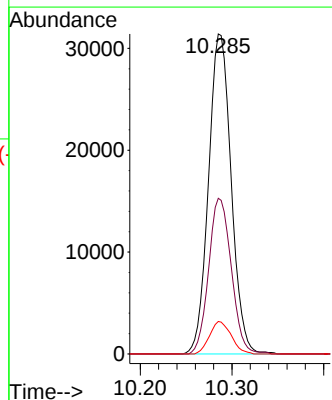
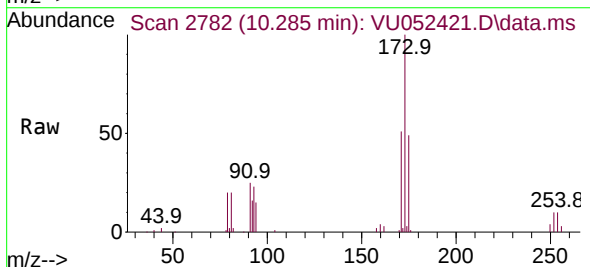
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

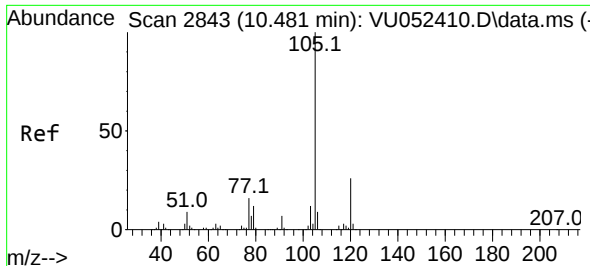
Tgt Ion: 83 Resp: 104305
Ion Ratio Lower Upper
83 100
85 65.2 45.7 84.9
131 9.3 7.6 11.4



#59
Bromoform
Concen: 5.475 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

Tgt Ion:173 Resp: 53968
Ion Ratio Lower Upper
173 100
175 48.6 37.2 55.8
254 9.7 7.0 10.6

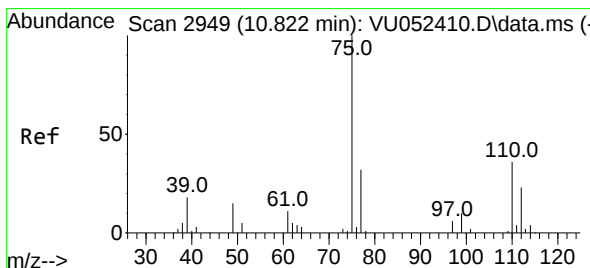
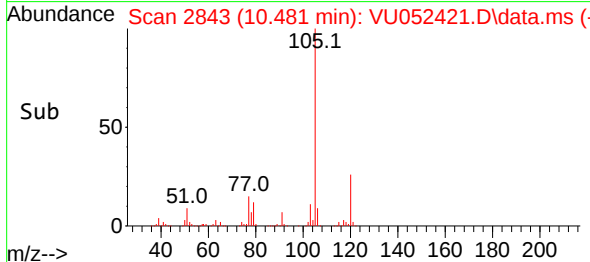
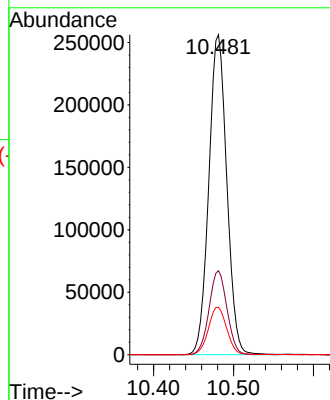
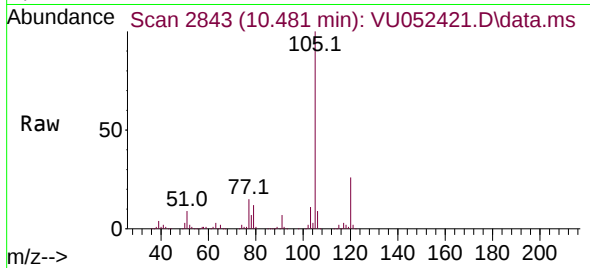




#60
Isopropylbenzene
Concen: 5.325 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

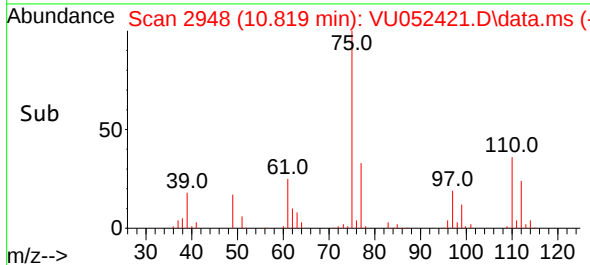
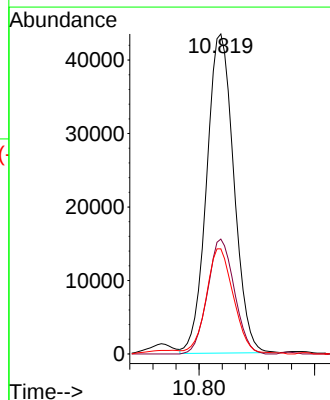
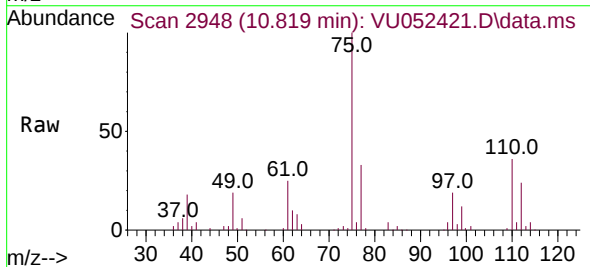
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

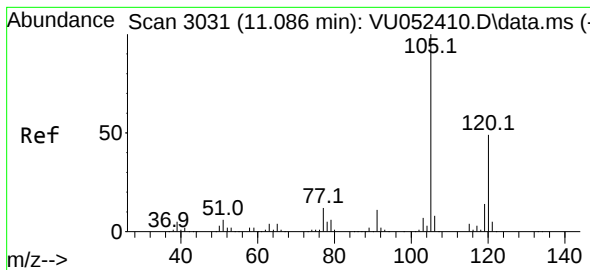
Tgt Ion:105 Resp: 400248
Ion Ratio Lower Upper
105 100
120 26.3 21.0 31.6
77 15.2 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 5.190 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

Tgt Ion: 75 Resp: 71081
Ion Ratio Lower Upper
75 100
110 35.4 28.3 42.5
77 33.4 26.2 39.2





#62

1,3,5-Trimethylbenzene

Concen: 4.898 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU052421.D

Acq: 15 Dec 2022 17:14

Instrument :

MSVOA_U

ClientSampleId :

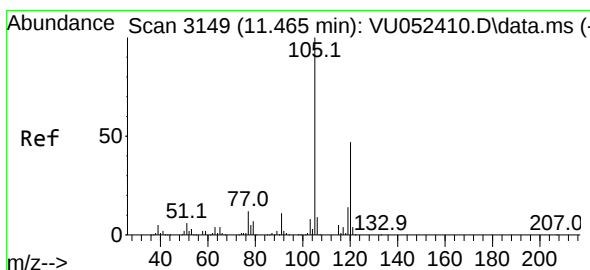
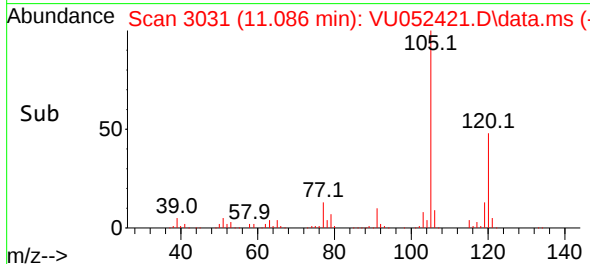
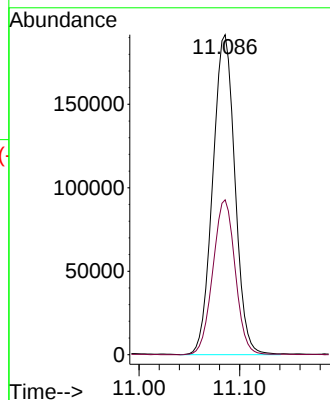
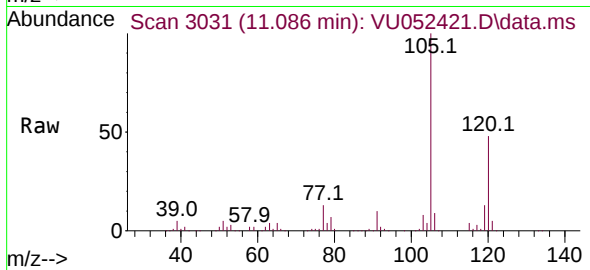
VSTD005110

Tgt Ion:105 Resp: 294333

Ion Ratio Lower Upper

105 100

120 48.6 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 4.962 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU052421.D

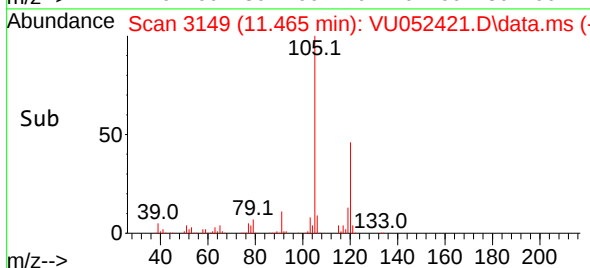
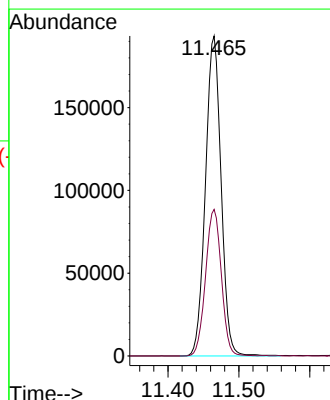
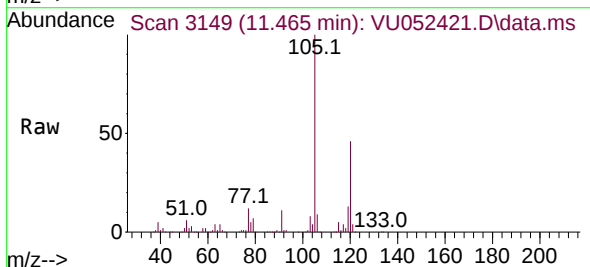
Acq: 15 Dec 2022 17:14

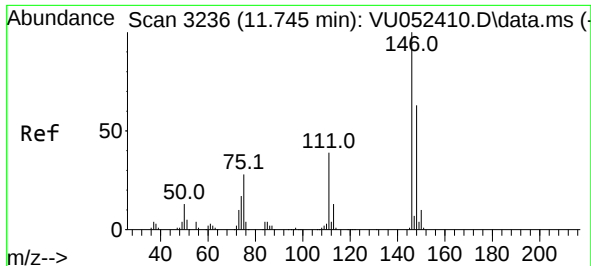
Tgt Ion:105 Resp: 295935

Ion Ratio Lower Upper

105 100

120 46.2 36.6 55.0

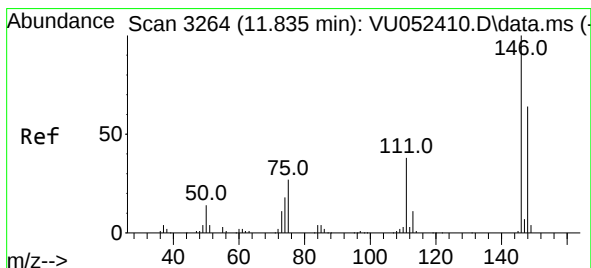
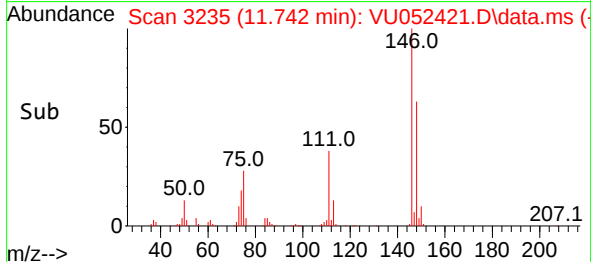
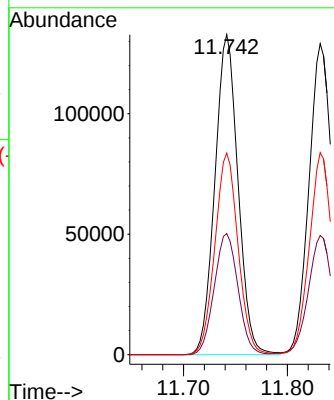
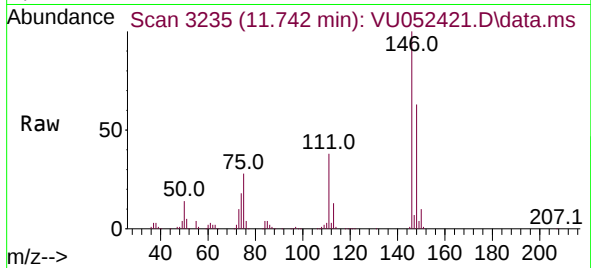




#64
1,3-Dichlorobenzene
Concen: 5.358 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

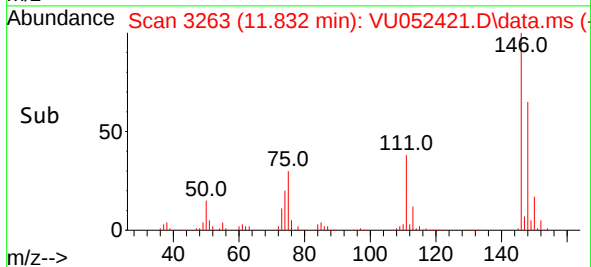
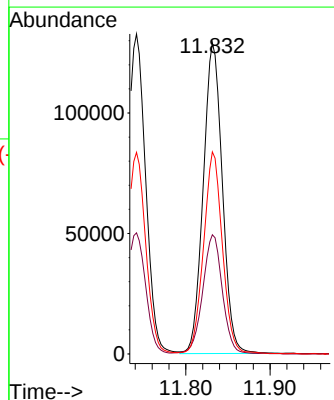
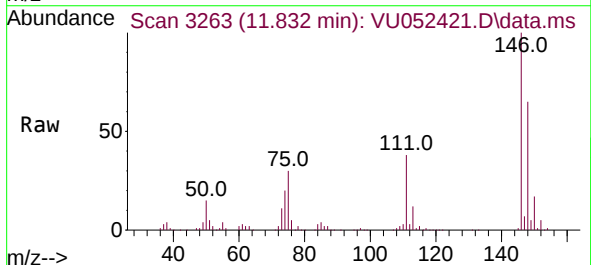
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

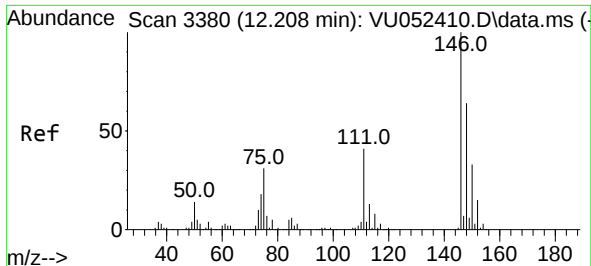
Tgt Ion:146 Resp: 205650
Ion Ratio Lower Upper
146 100
111 37.9 28.6 53.2
148 63.0 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 5.319 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

Tgt Ion:146 Resp: 203603
Ion Ratio Lower Upper
146 100
111 38.3 26.9 50.1
148 65.0 45.1 83.7

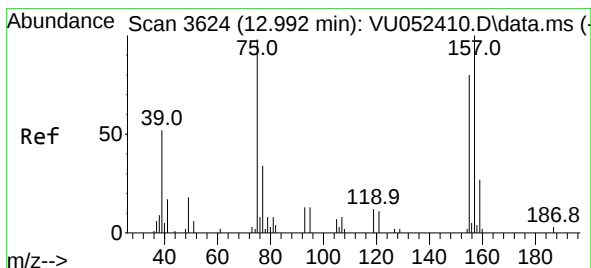
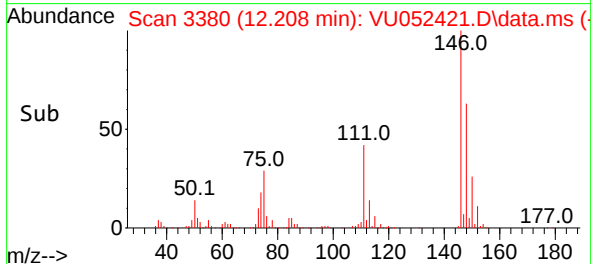
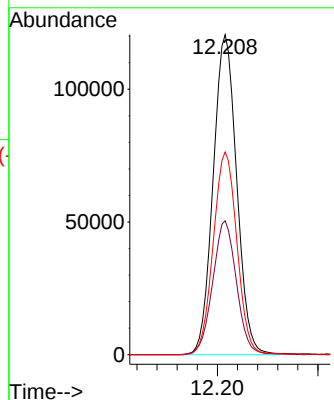
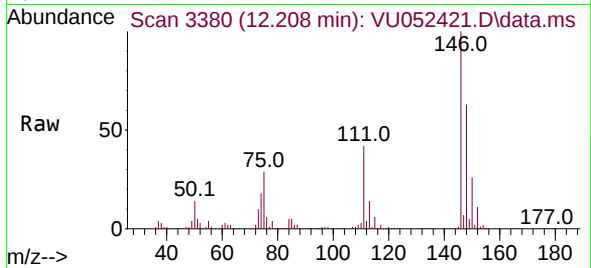




#67
1,2-Dichlorobenzene
Concen: 5.304 ug/L
RT: 12.208 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

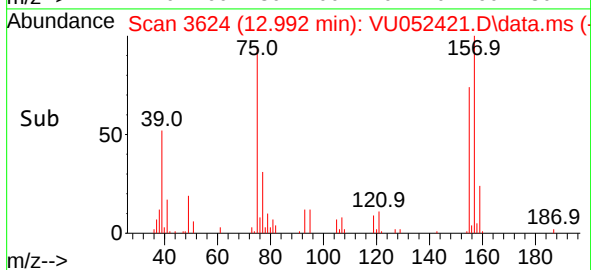
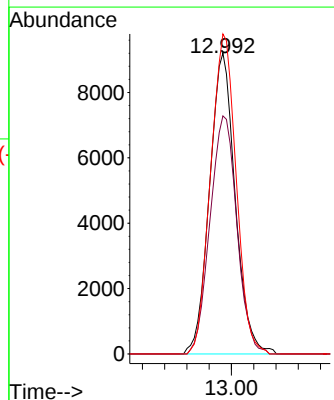
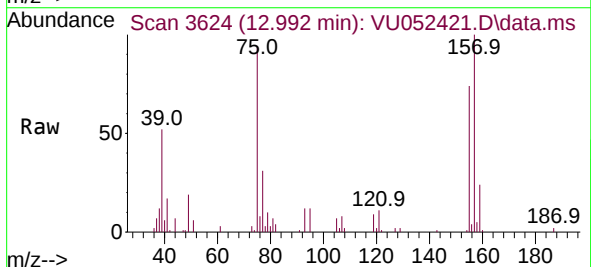
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

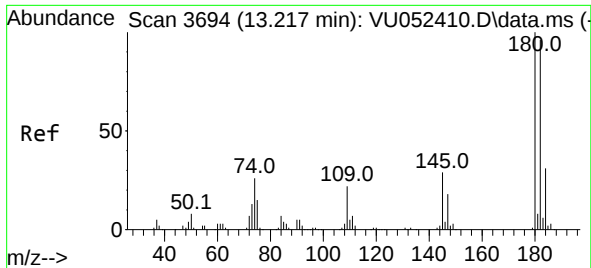
Tgt Ion:146 Resp: 196044
Ion Ratio Lower Upper
146 100
111 41.9 32.7 49.1
148 63.4 50.6 75.8



#68
1,2-Dibromo-3-chloropropane
Concen: 4.911 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. 0.000 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

Tgt Ion: 75 Resp: 14720
Ion Ratio Lower Upper
75 100
155 79.1 65.4 98.2
157 106.4 80.5 120.7

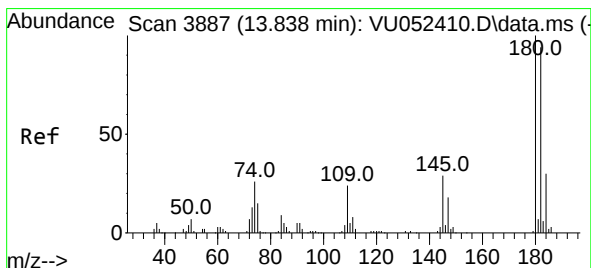
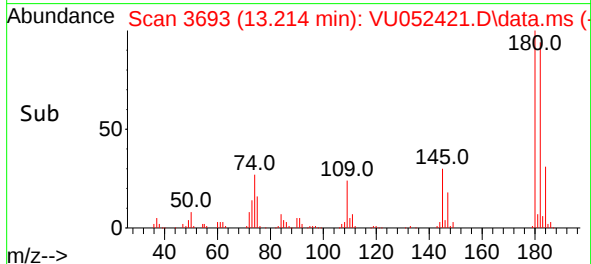
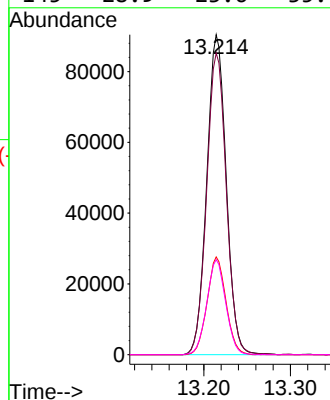
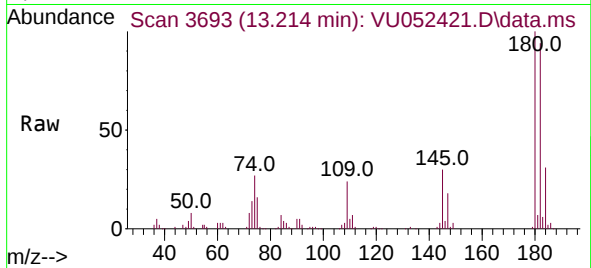




#69
1,3,5-Trichlorobenzene
Concen: 5.181 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

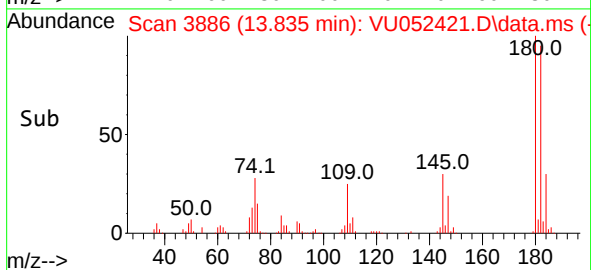
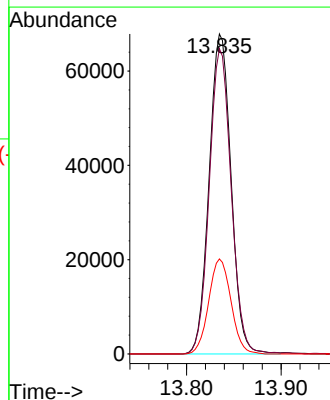
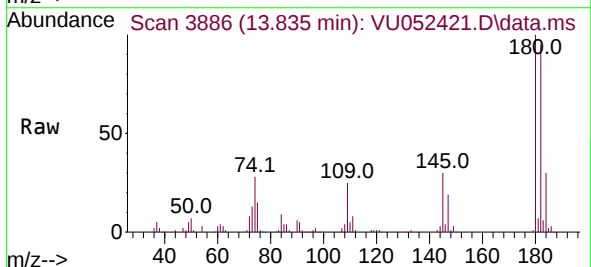
Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

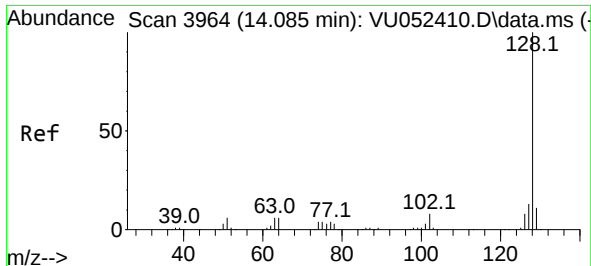
Tgt Ion:180 Resp: 141012
Ion Ratio Lower Upper
180 100
182 95.4 75.7 113.5
184 29.7 24.3 36.5
145 28.9 23.6 35.4



#70
1,2,4-trichlorobenzene
Concen: 5.273 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

Tgt Ion:180 Resp: 109296
Ion Ratio Lower Upper
180 100
182 95.2 76.3 114.5
145 30.2 24.6 36.8

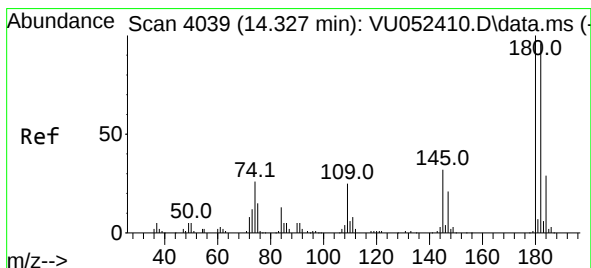
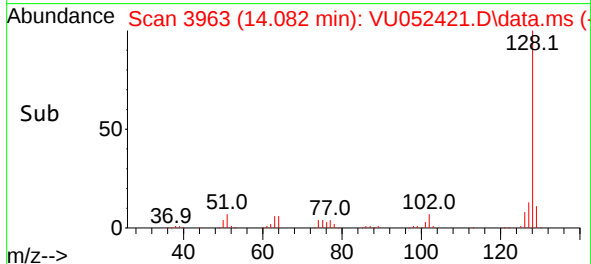
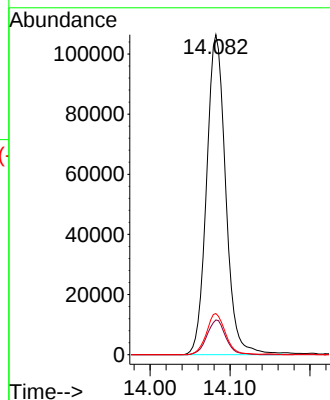
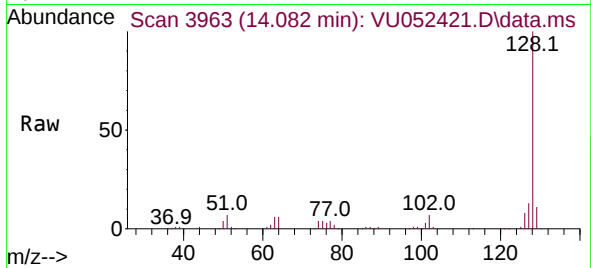




#71
Naphthalene
Concen: 4.552 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD005110

Tgt Ion:128 Resp: 177120
Ion Ratio Lower Upper
128 100
129 10.7 8.3 12.5
127 12.8 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 5.177 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU052421.D
Acq: 15 Dec 2022 17:14

Tgt Ion:180 Resp: 105563
Ion Ratio Lower Upper
180 100
182 94.7 75.7 113.5
145 31.4 24.5 36.7

