

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100722\
 Data File : VU051219.D
 Acq On : 07 Oct 2022 15:05
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005165

Quant Time: Oct 08 00:46:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 08 00:36:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	237149	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	239227	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	114696	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	74812	3.911	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.200%
7) Chloroethane-d5	1.909	69	66844	4.067	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.400%
11) 1,1-Dichloroethene-d2	2.562	65	29552	3.908	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.200%
20) 2-Butanone-d5	4.632	46	205272	48.739	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.480%
24) Chloroform-d	5.063	84	153331	4.299	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.000%
26) 1,2-Dichloroethane-d4	5.700	65	79218	4.307	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
32) Benzene-d6	5.726	84	299117	4.545	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
36) 1,2-Dichloropropane-d6	6.690	67	98963	4.428	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.600%
41) Toluene-d8	7.896	98	272523	4.629	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
43) trans-1,3-Dichloroprop...	8.179	79	35561	4.843	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.800%
46) 2-Hexanone-d5	8.632	63	126879	51.268	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.540%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	81932	4.589	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	87857	4.407	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	77173	3.989	ug/L	100
3) Chloromethane	1.520	50	111280	4.097	ug/L	100
5) Vinyl chloride	1.600	62	108926	4.088	ug/L	97
6) Bromomethane	1.854	94	62313	4.295	ug/L	96
8) Chloroethane	1.932	64	72101	4.243	ug/L	99
9) Trichlorofluoromethane	2.134	101	122501	3.989	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	71974	3.905	ug/L	99
12) 1,1-Dichloroethene	2.575	96	69602	4.025	ug/L	98
13) Acetone	2.645	43	143916	45.559	ug/L	99
14) Carbon disulfide	2.787	76	217676	4.109	ug/L	100
15) Methyl Acetate	2.957	43	36283	4.725	ug/L	97
16) Methylene chloride	3.041	84	105664	4.138	ug/L	98
17) Methyl tert-butyl Ether	3.366	73	177292	4.475	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	79082	4.347	ug/L	96
19) 1,1-Dichloroethane	3.867	63	160961	4.287	ug/L	96
21) 2-Butanone	4.713	43	232059	46.614	ug/L	96
22) cis-1,2-Dichloroethene	4.665	96	87974	4.365	ug/L	96
23) Bromochloromethane	4.973	128	41180	4.283	ug/L	96
25) Chloroform	5.086	83	165131	4.211	ug/L	99

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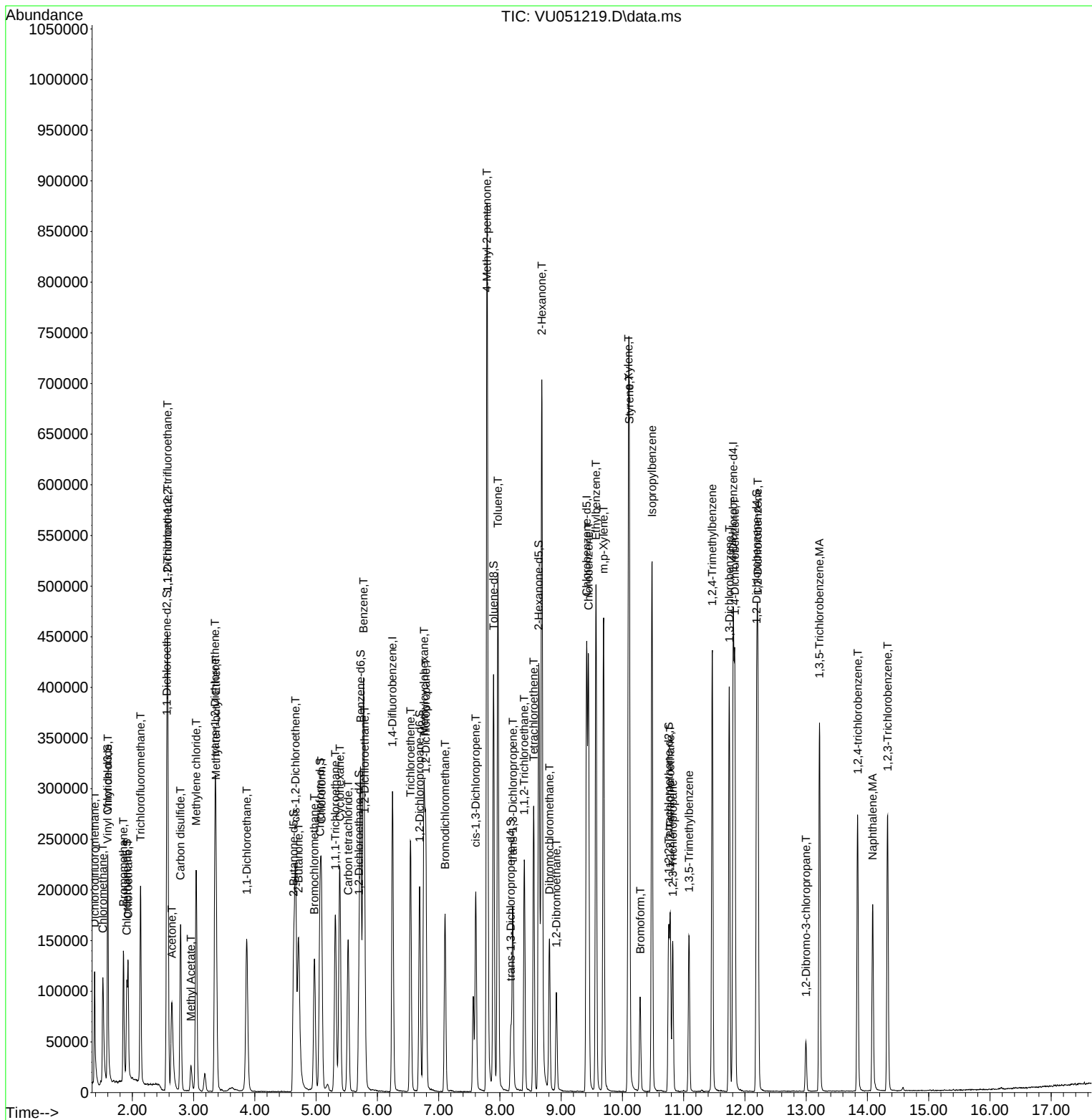
Instrument :
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 ClientSampleId :
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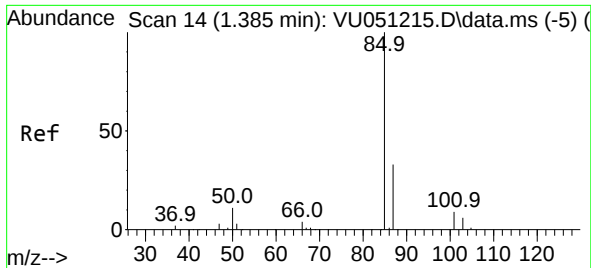
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	98990	4.214	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	126273	4.405	ug/L	98
30) Cyclohexane	5.385	56	100637	4.139	ug/L	98
31) Carbon tetrachloride	5.523	117	102057	4.208	ug/L	97
33) Benzene	5.774	78	362236	4.536	ug/L	100
34) Trichloroethene	6.542	95	87074	4.371	ug/L	98
35) Methylcyclohexane	6.764	83	102468	4.076	ug/L	98
37) 1,2-Dichloropropane	6.790	63	98181	4.485	ug/L	99
38) Bromodichloromethane	7.105	83	117153	4.486	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	121966	4.635	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	562310	48.963	ug/L	99
42) Toluene	7.967	91	376933	4.446	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	106291	4.672	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	69703	4.535	ug/L	98
47) Tetrachloroethene	8.552	164	61831	4.221	ug/L	96
48) 2-Hexanone	8.684	43	440184	51.477	ug/L	100
49) Dibromochloromethane	8.809	129	76453	4.430	ug/L	99
50) 1,2-Dibromoethane	8.922	107	63307	4.627	ug/L	99
51) Chlorobenzene	9.446	112	226262	4.467	ug/L	98
52) Ethylbenzene	9.568	91	341944	4.489	ug/L	99
53) m,p-Xylene	9.693	106	133413	4.516	ug/L	97
54) o-Xylene	10.098	106	130635	4.673	ug/L	96
55) Styrene	10.115	104	228944	4.757	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	86171	4.530	ug/L	98
59) Bromoform	10.291	173	41411	4.340	ug/L	99
60) Isopropylbenzene	10.484	105	321903	4.431	ug/L	99
61) 1,2,3-Trichloropropane	10.822	75	63403	4.378	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	80797	4.193	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	236702	4.343	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	159495	4.439	ug/L	96
65) 1,4-Dichlorobenzene	11.835	146	160912	4.543	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	156447	4.478	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	13271	4.790	ug/L	90
69) 1,3,5-Trichlorobenzene	13.217	180	112515	4.543	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	84520	4.801	ug/L	96
71) Naphthalene	14.085	128	152817	4.670	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	84810	4.657	ug/L	99

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

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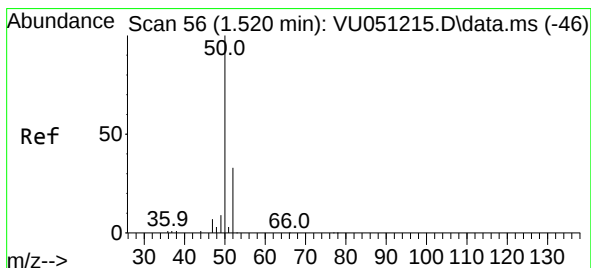
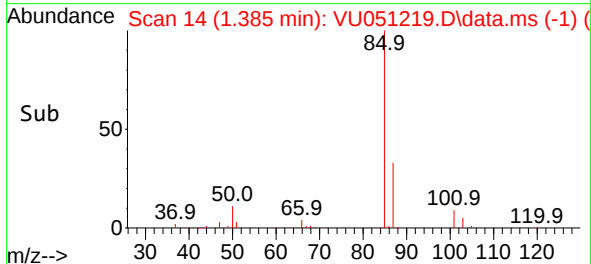
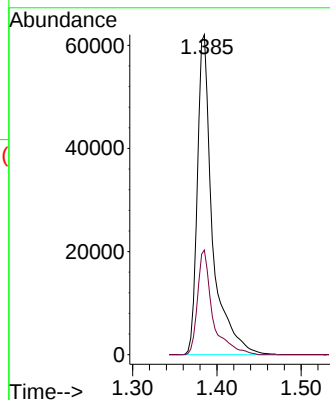
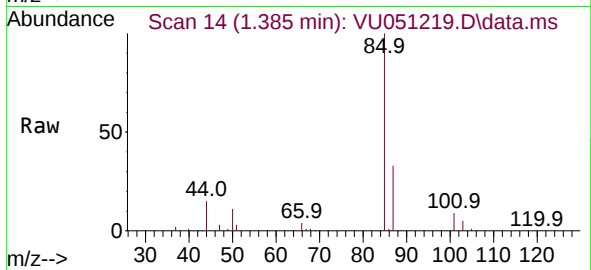




#2
Dichlorodifluoromethane
Concen: 3.989 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

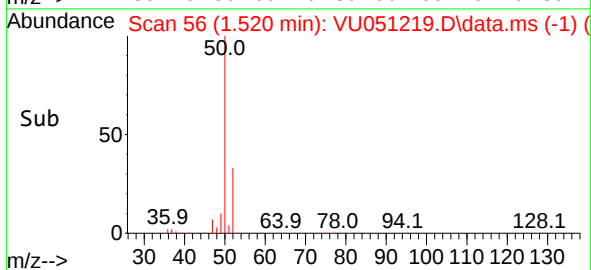
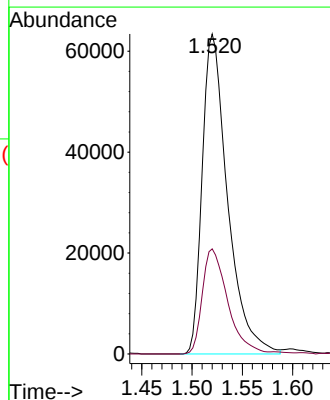
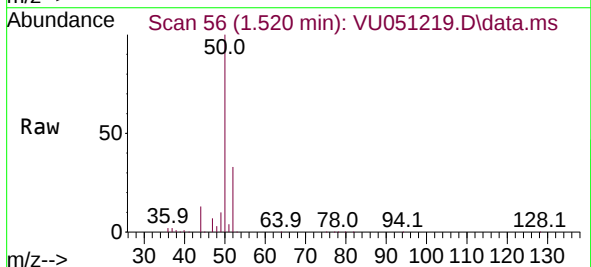
Instrument :
MSVOA_U
ClientSampleId :
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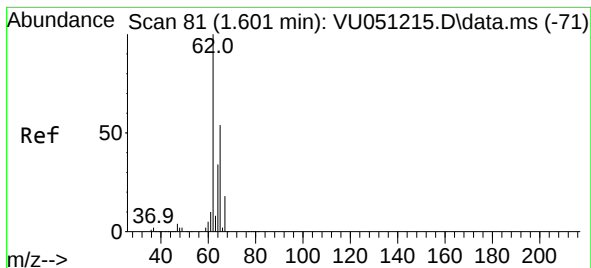
Tgt Ion: 85 Resp: 77173
Ion Ratio Lower Upper
85 100
87 32.8 26.2 39.4



#3
Chloromethane
Concen: 4.097 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Tgt Ion: 50 Resp: 111280
Ion Ratio Lower Upper
50 100
52 32.8 22.9 42.5





#5

Vinyl chloride

Concen: 4.088 ug/L

RT: 1.600 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU051219.D

Acq: 07 Oct 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

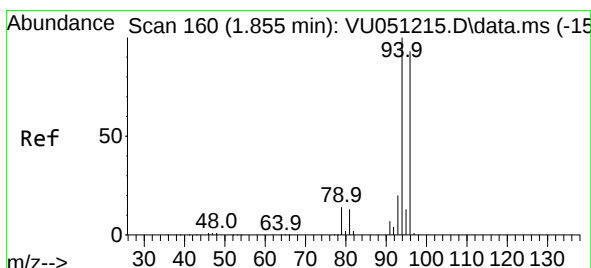
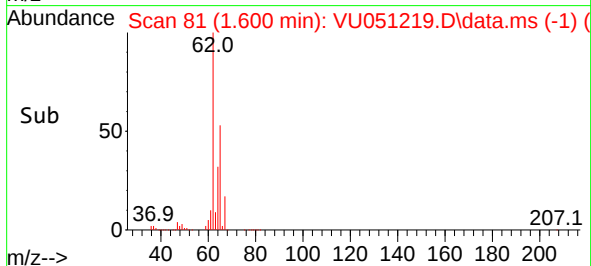
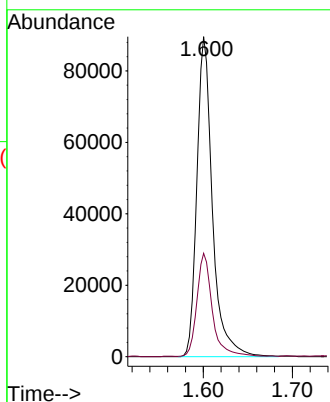
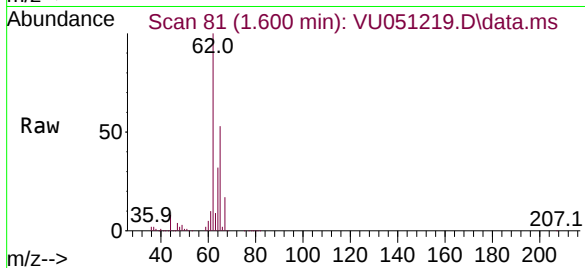
VSTD005165

Tgt Ion: 62 Resp: 108926

Ion Ratio Lower Upper

62 100

64 32.3 24.0 44.6



#6

Bromomethane

Concen: 4.295 ug/L

RT: 1.854 min Scan# 160

Delta R.T. -0.000 min

Lab File: VU051219.D

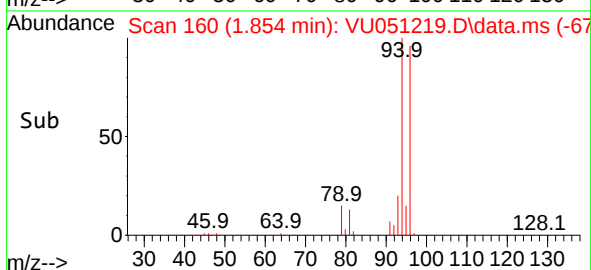
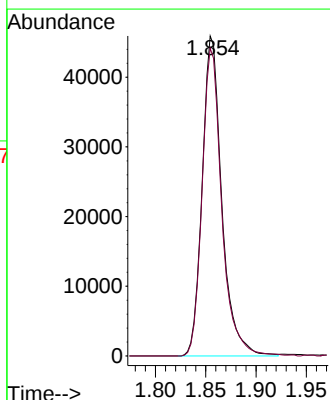
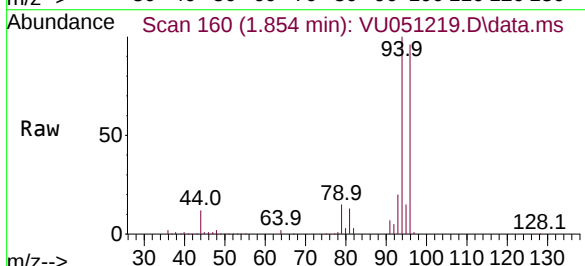
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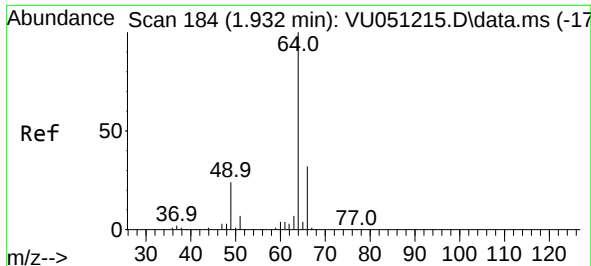
Tgt Ion: 94 Resp: 62313

Ion Ratio Lower Upper

94 100

96 96.1 64.9 120.5

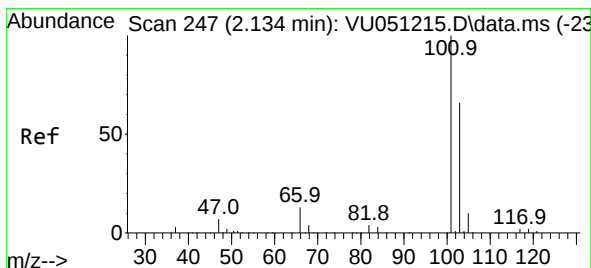
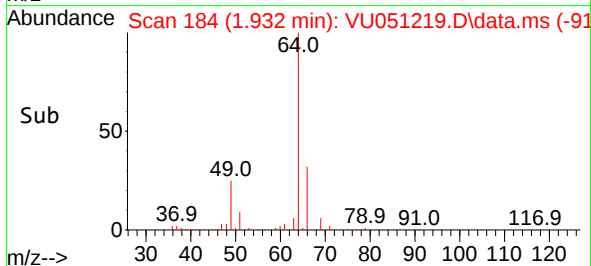
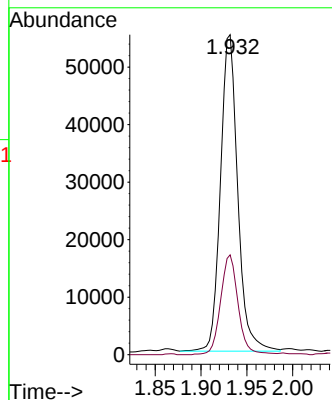
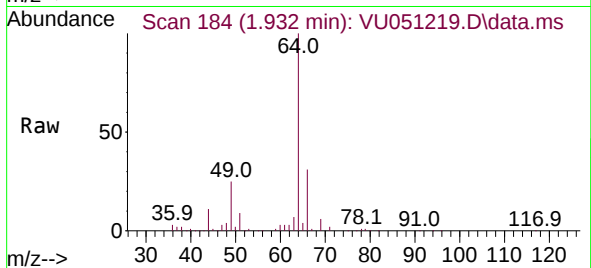




#8
Chloroethane
Concen: 4.243 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

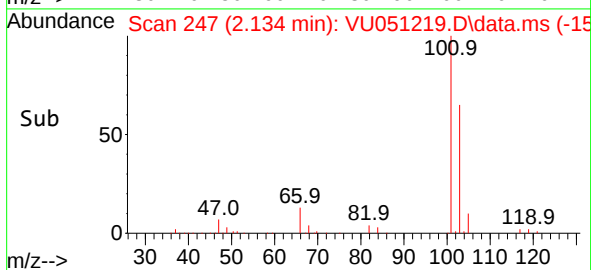
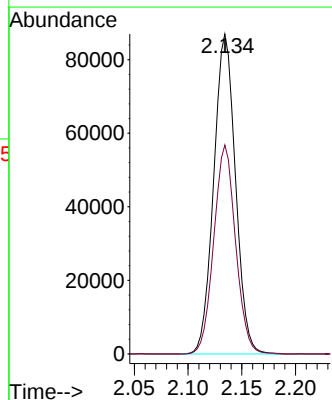
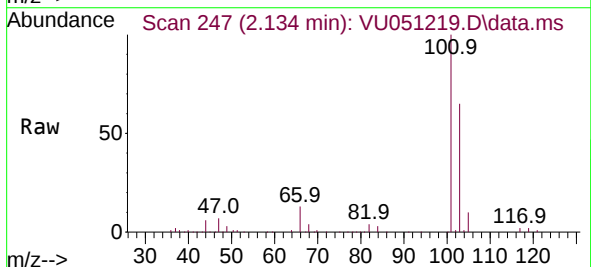
Instrument :
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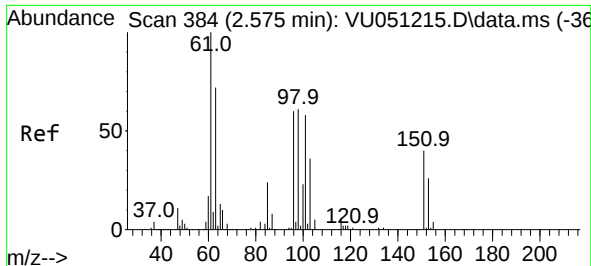
Tgt Ion: 64 Resp: 72101
Ion Ratio Lower Upper
64 100
66 31.2 22.3 41.3



#9
Trichlorofluoromethane
Concen: 3.989 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Tgt Ion:101 Resp: 122501
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.2

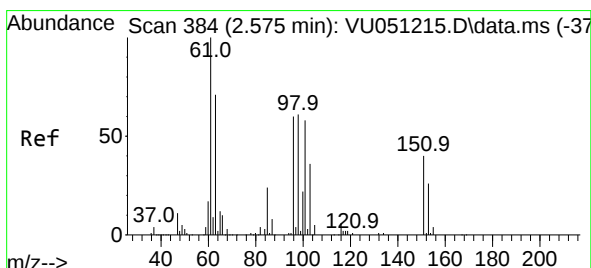
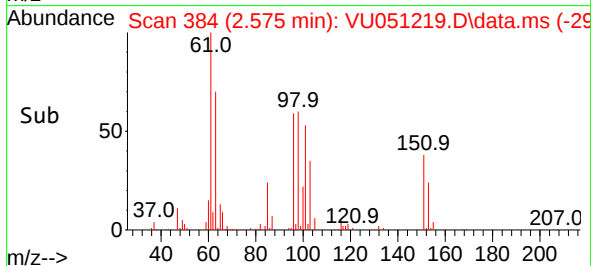
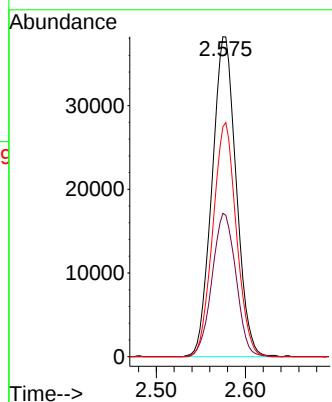
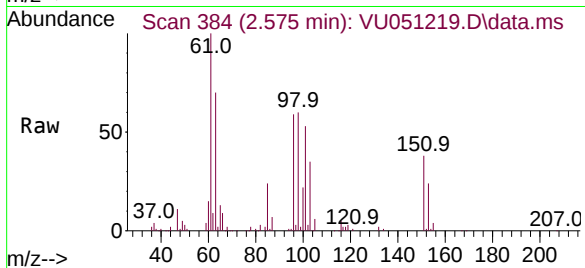




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.905 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

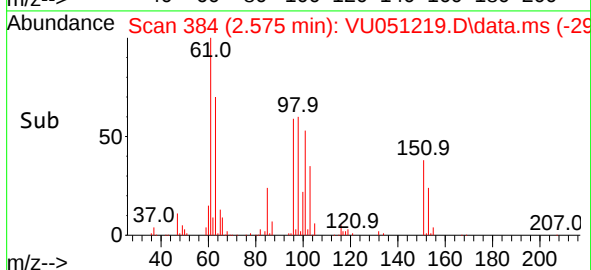
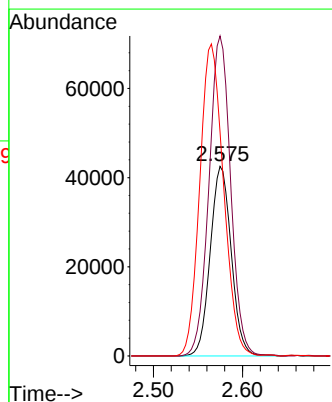
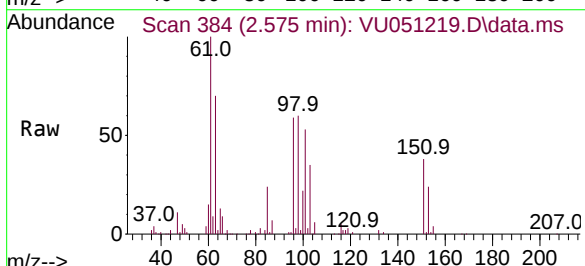
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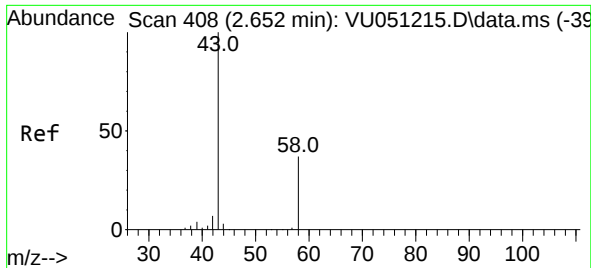
Tgt Ion:101 Resp: 71974
Ion Ratio Lower Upper
101 100
85 44.3 34.6 51.8
151 71.2 56.5 84.7



#12
1,1-Dichloroethene
Concen: 4.025 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Tgt Ion: 96 Resp: 69602
Ion Ratio Lower Upper
96 100
61 168.7 117.6 218.4
63 118.1 85.2 158.2





#13

Acetone

Concen: 45.559 ug/L

RT: 2.645 min Scan# 406

Delta R.T. -0.007 min

Lab File: VU051219.D

Acq: 07 Oct 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

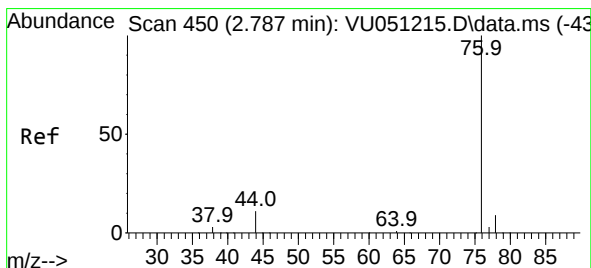
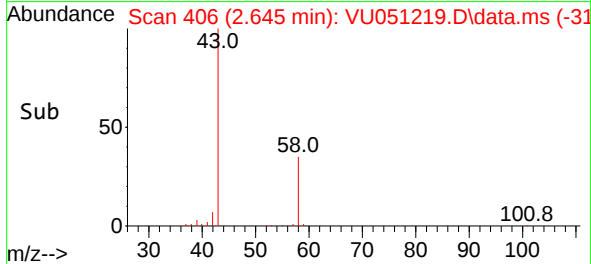
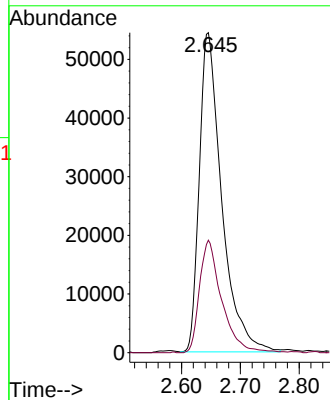
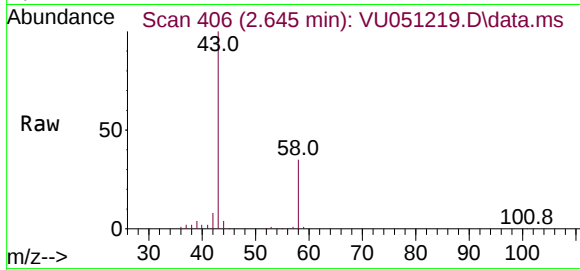
VSTD005165

Tgt Ion: 43 Resp: 143916

Ion Ratio Lower Upper

43 100

58 34.9 0.0 68.8



#14

Carbon disulfide

Concen: 4.109 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.000 min

Lab File: VU051219.D

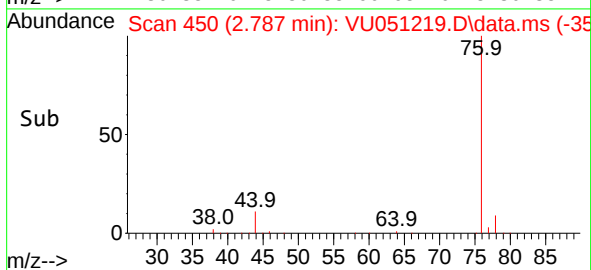
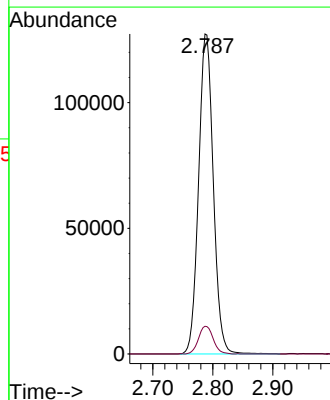
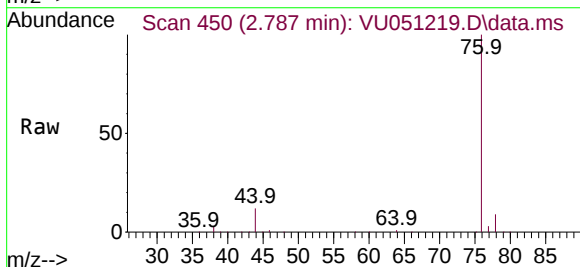
Acq: 07 Oct 2022 15:05

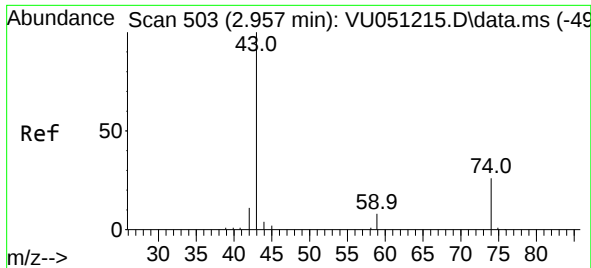
Tgt Ion: 76 Resp: 217676

Ion Ratio Lower Upper

76 100

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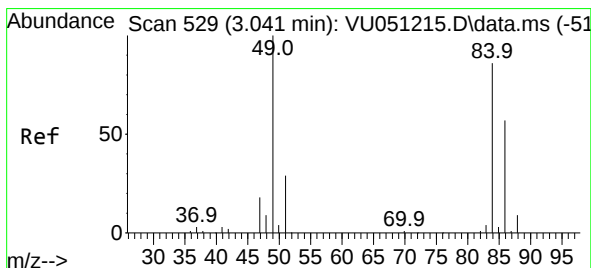
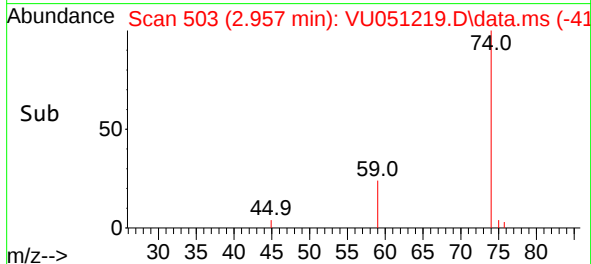
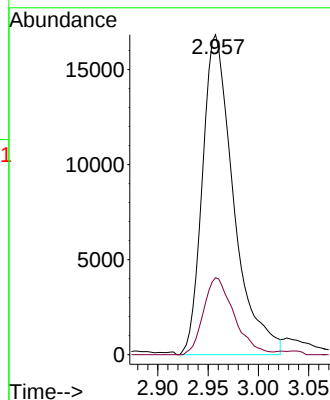
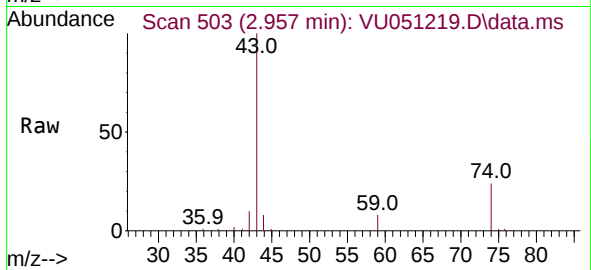




#15
Methyl Acetate
Concen: 4.725 ug/L
RT: 2.957 min Scan# 503
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

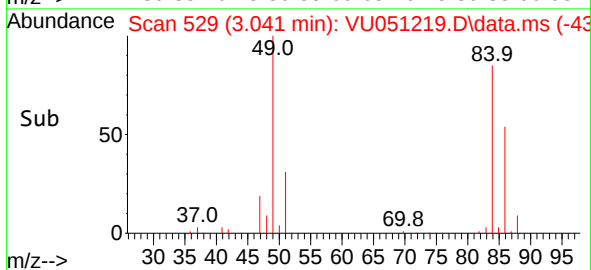
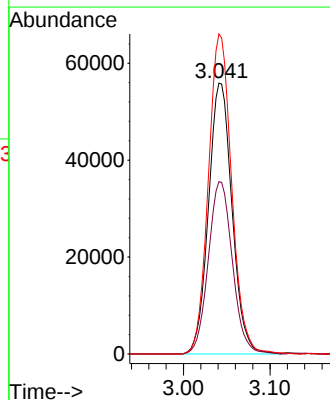
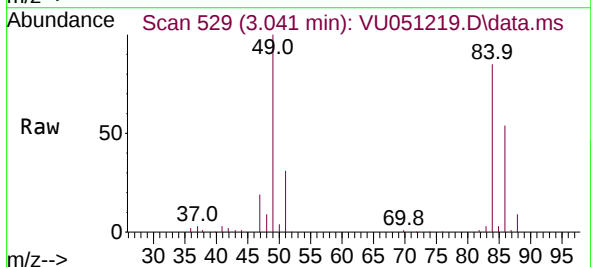
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

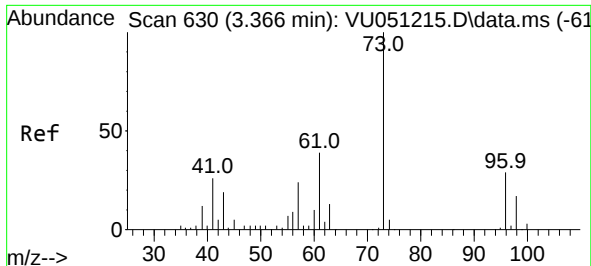
Tgt Ion: 43 Resp: 36283
Ion Ratio Lower Upper
43 100
74 23.7 20.0 30.0



#16
Methylene chloride
Concen: 4.138 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Tgt Ion: 84 Resp: 105664
Ion Ratio Lower Upper
84 100
86 63.6 46.5 86.3
49 118.1 81.3 151.1





#17

Methyl tert-butyl Ether

Concen: 4.475 ug/L

RT: 3.366 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU051219.D

Acq: 07 Oct 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005165

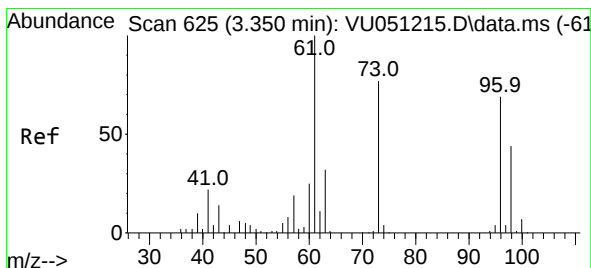
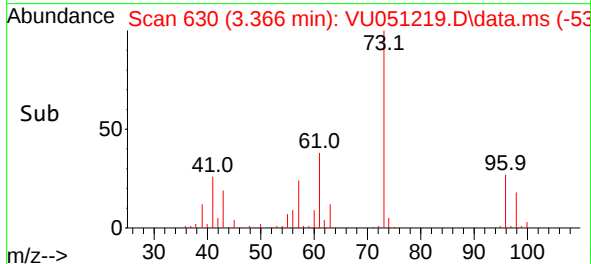
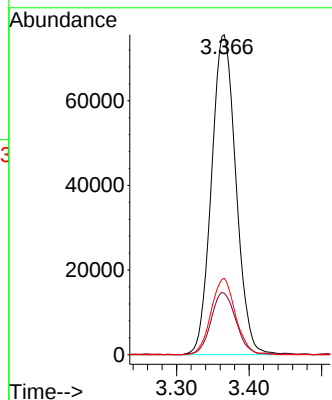
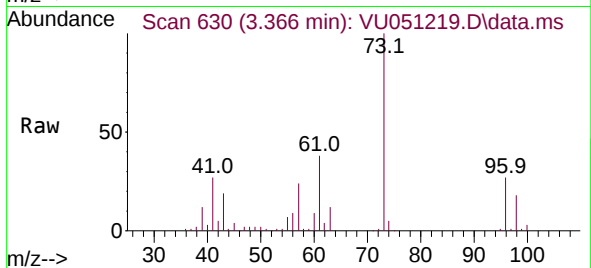
Tgt Ion: 73 Resp: 177292

Ion Ratio Lower Upper

73 100

43 19.7 15.4 23.0

57 23.8 18.9 28.3



#18

trans-1,2-Dichloroethene

Concen: 4.347 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.000 min

Lab File: VU051219.D

Acq: 07 Oct 2022 15:05

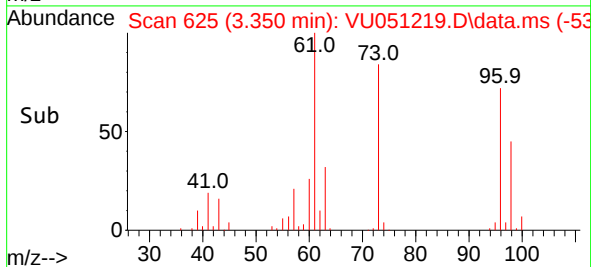
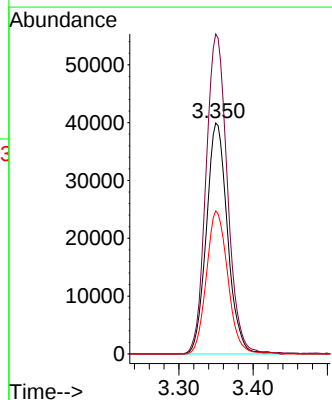
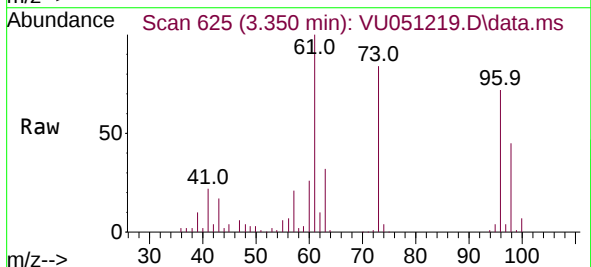
Tgt Ion: 96 Resp: 79082

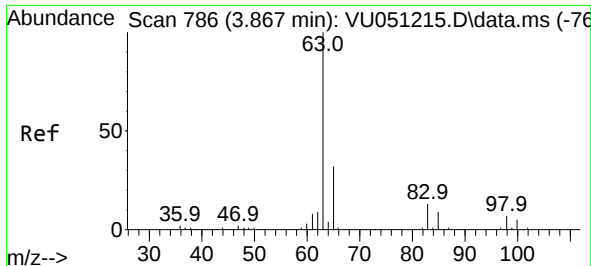
Ion Ratio Lower Upper

96 100

61 138.6 101.4 188.2

98 62.0 44.9 83.5

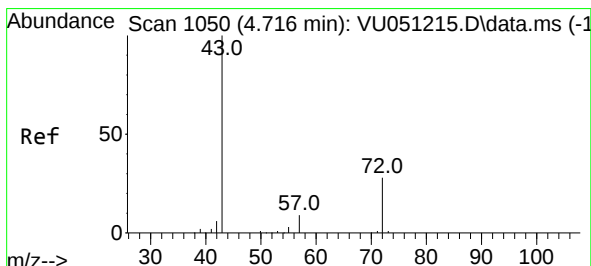
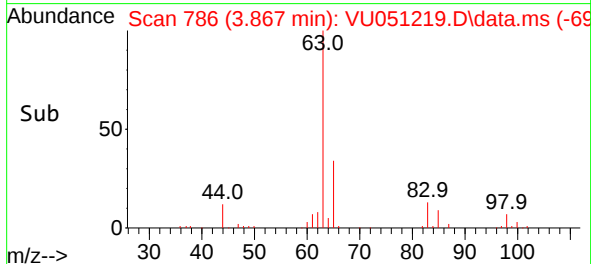
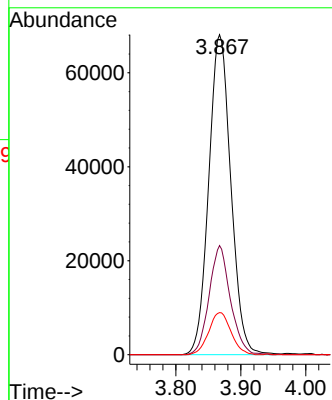
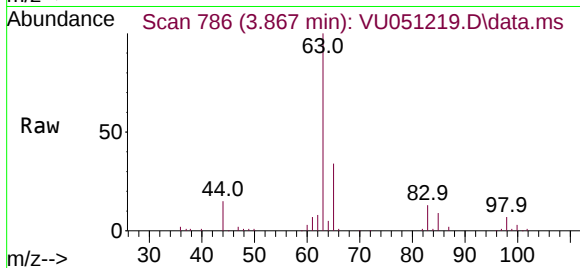




#19
1,1-Dichloroethane
Concen: 4.287 ug/L
RT: 3.867 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

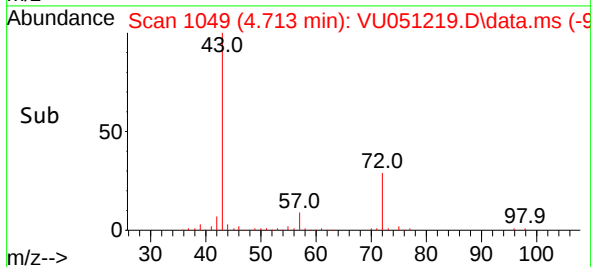
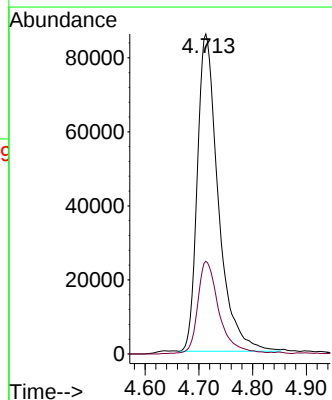
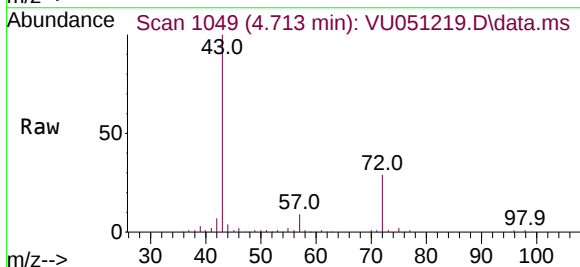
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

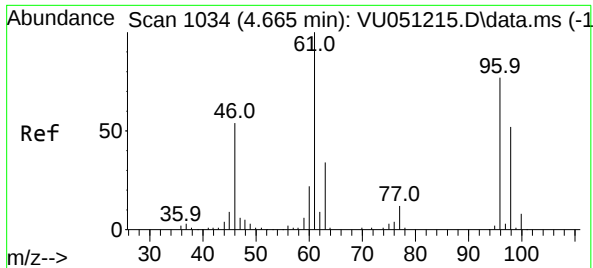
Tgt Ion: 63 Resp: 160961
Ion Ratio Lower Upper
63 100
65 34.1 22.0 41.0
83 13.1 9.0 16.6



#21
2-Butanone
Concen: 46.614 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. -0.003 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Tgt Ion: 43 Resp: 232059
Ion Ratio Lower Upper
43 100
72 29.9 13.8 41.4

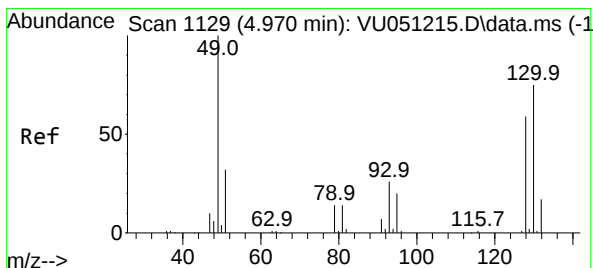
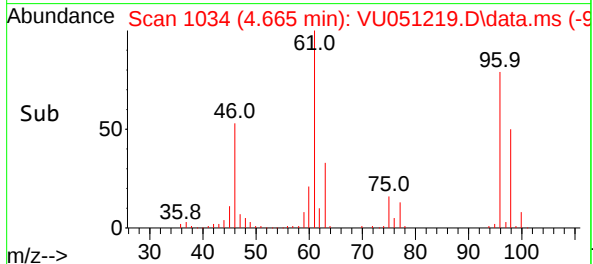
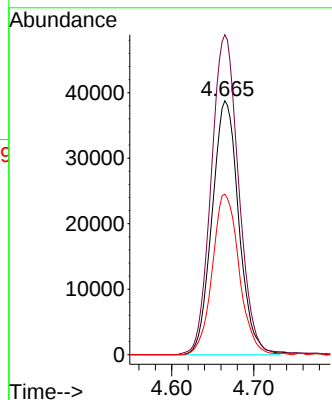
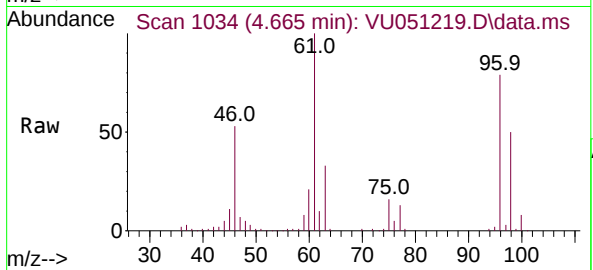




#22
 cis-1,2-Dichloroethene
 Concen: 4.365 ug/L
 RT: 4.665 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VU051219.D
 Acq: 07 Oct 2022 15:05

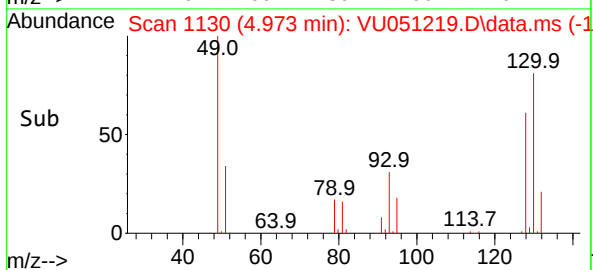
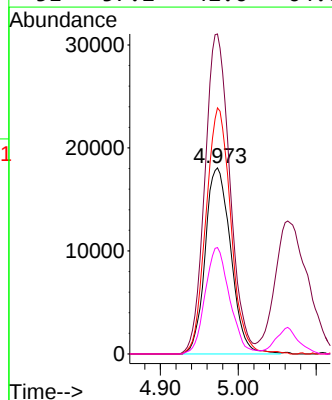
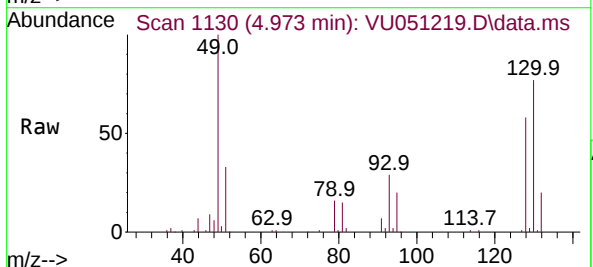
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005165

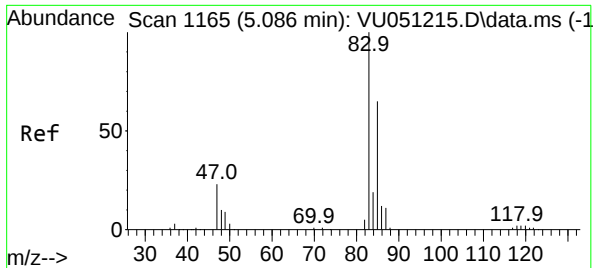
Tgt Ion: 96 Resp: 87974
 Ion Ratio Lower Upper
 96 100
 61 126.0 90.6 168.2
 98 63.2 47.5 88.3



#23
 Bromochloromethane
 Concen: 4.283 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. 0.003 min
 Lab File: VU051219.D
 Acq: 07 Oct 2022 15:05

Tgt Ion:128 Resp: 41180
 Ion Ratio Lower Upper
 128 100
 49 172.0 118.0 219.2
 130 132.3 88.8 164.8
 51 57.2 42.6 64.0

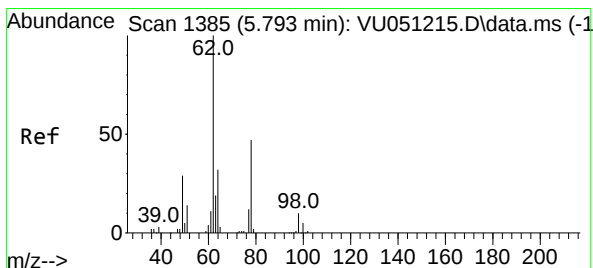
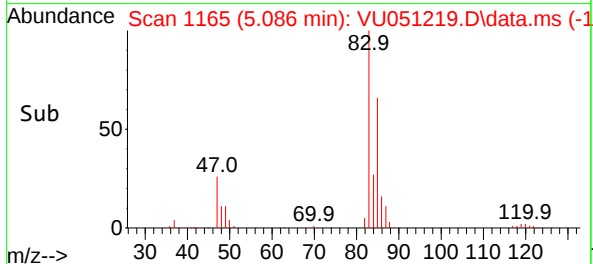
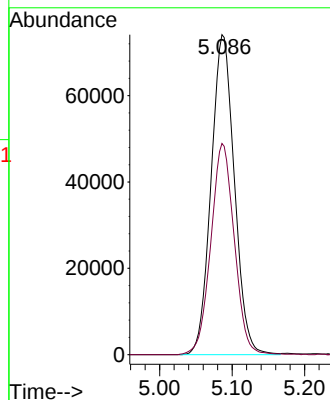
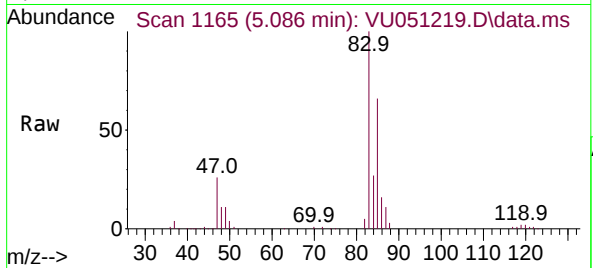




#25
Chloroform
Concen: 4.211 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

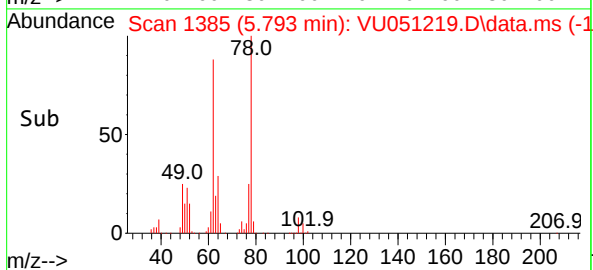
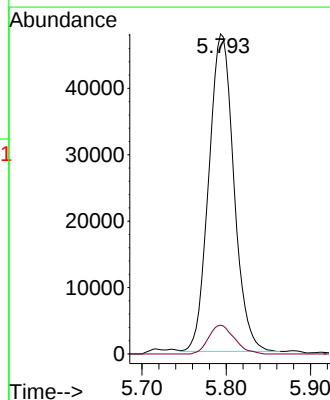
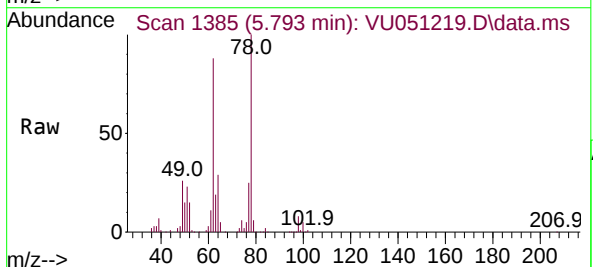
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

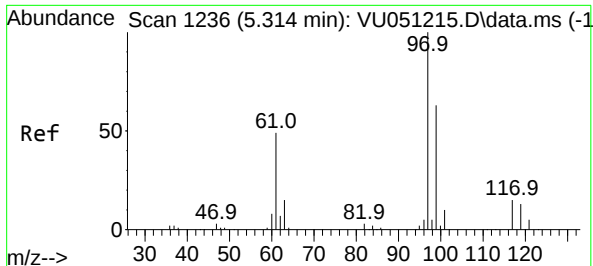
Tgt Ion: 83 Resp: 165131
Ion Ratio Lower Upper
83 100
85 66.0 45.6 84.6



#27
1,2-Dichloroethane
Concen: 4.214 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Tgt Ion: 62 Resp: 98990
Ion Ratio Lower Upper
62 100
98 9.0 7.7 11.5

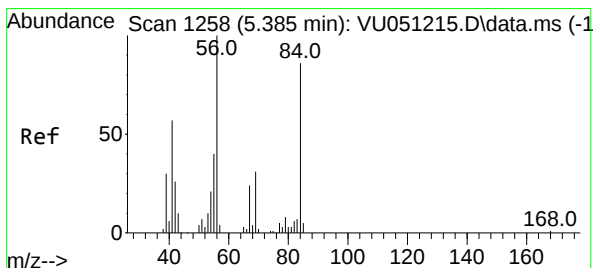
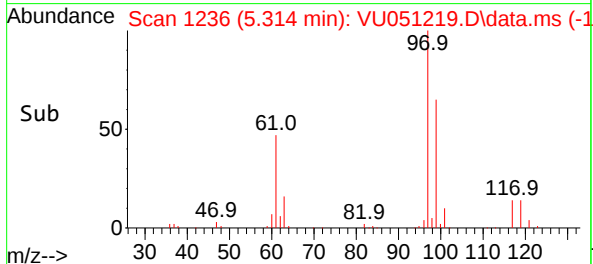
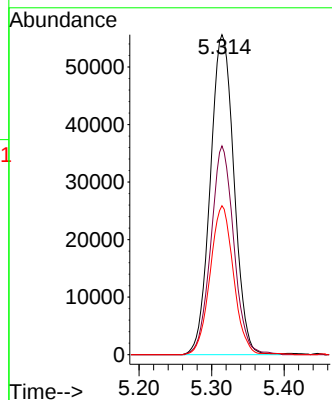
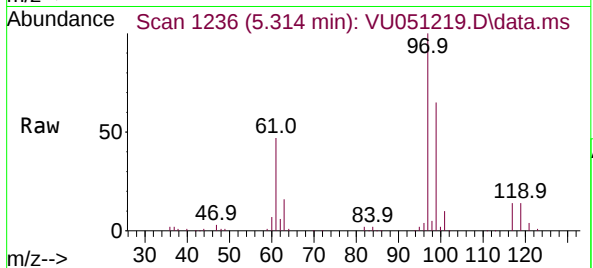




#29
1,1,1-Trichloroethane
Concen: 4.405 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

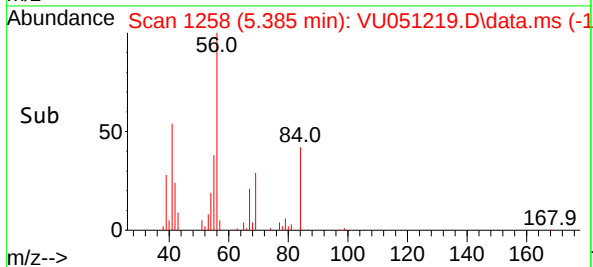
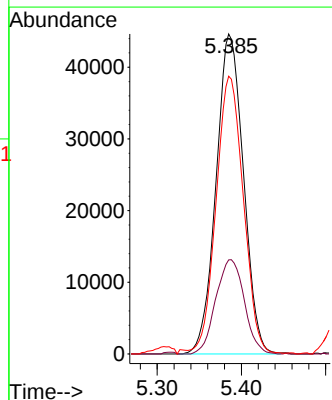
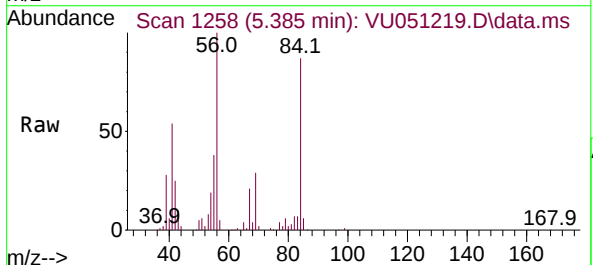
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

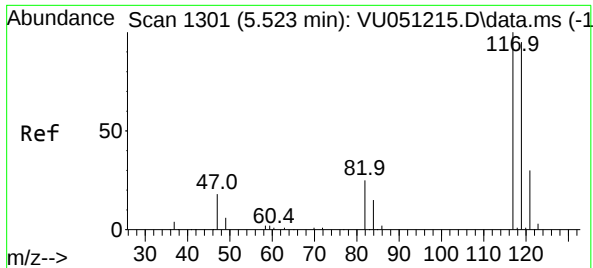
Tgt Ion: 97 Resp: 126273
Ion Ratio Lower Upper
97 100
99 63.5 50.2 75.4
61 45.8 38.7 58.1



#30
Cyclohexane
Concen: 4.139 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Tgt Ion: 56 Resp: 100637
Ion Ratio Lower Upper
56 100
69 30.6 25.1 37.7
84 86.1 70.9 106.3

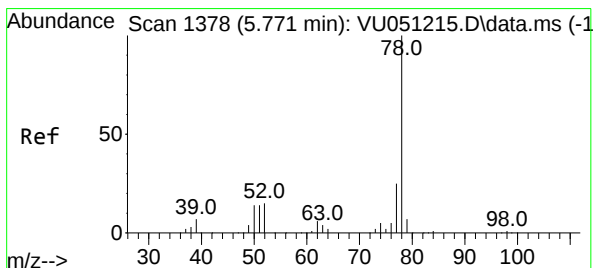
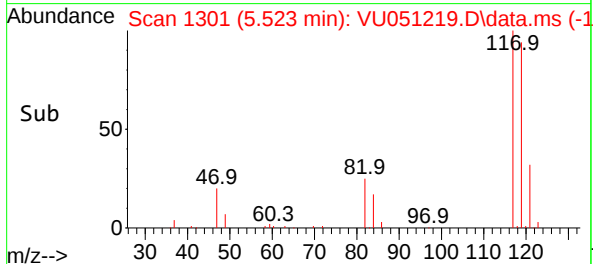
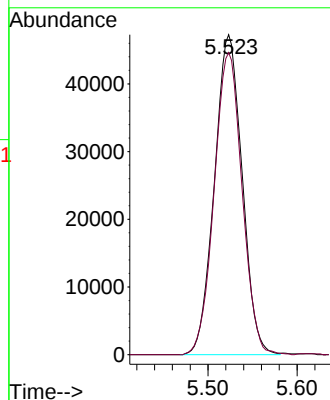
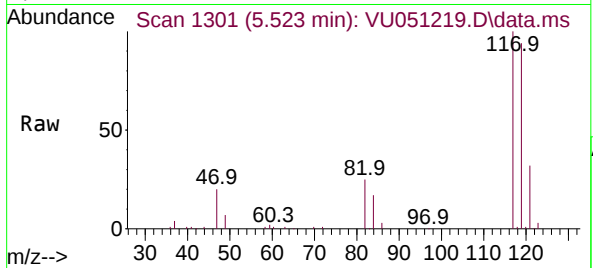




#31
Carbon tetrachloride
Concen: 4.208 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

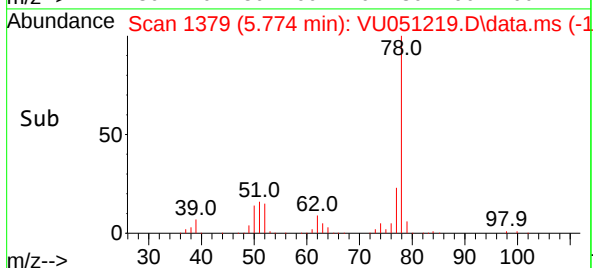
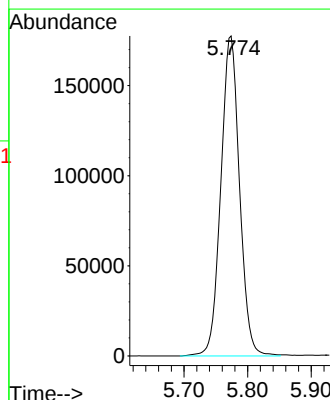
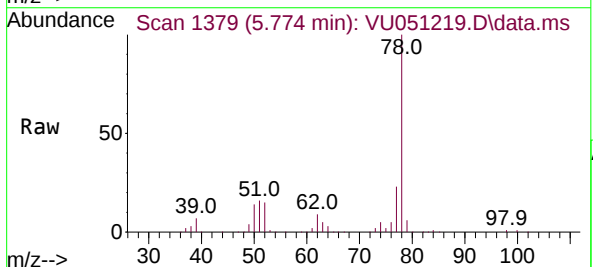
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

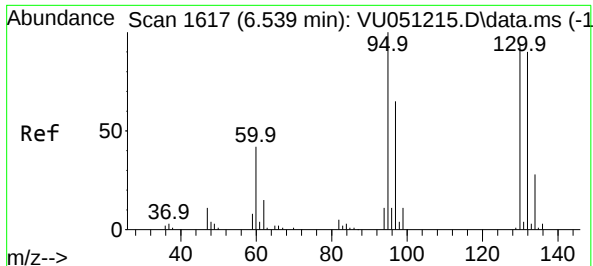
Tgt Ion:117 Resp: 102057
Ion Ratio Lower Upper
117 100
119 95.1 78.4 117.6



#33
Benzene
Concen: 4.536 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Tgt Ion: 78 Resp: 362236



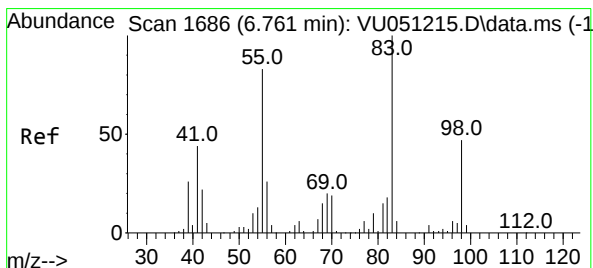
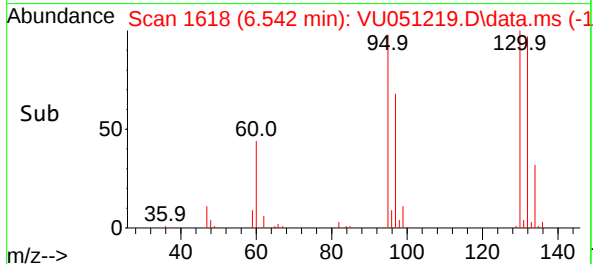
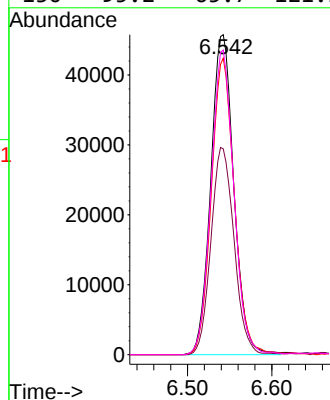
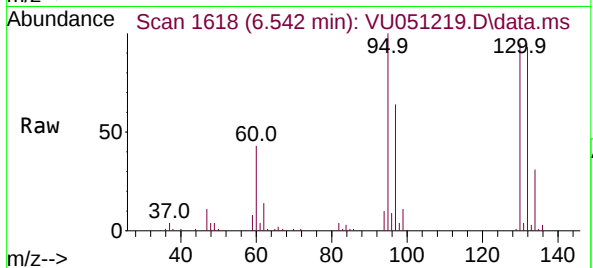


#34
Trichloroethene
Concen: 4.371 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

Tgt Ion: 95 Resp: 87074

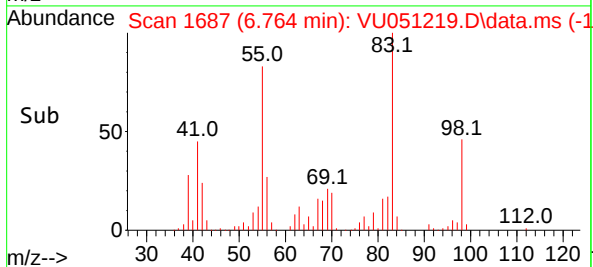
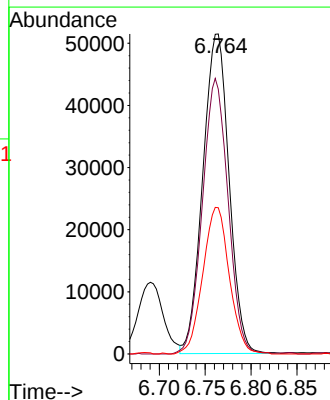
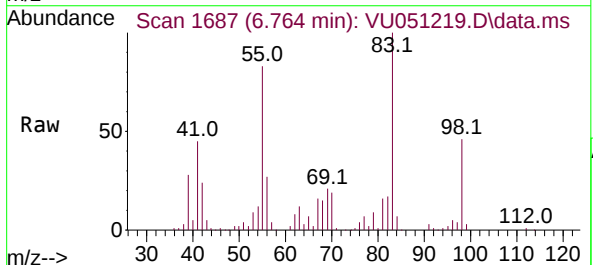
Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.4	84.2
132	92.7	63.1	117.3
130	95.2	65.7	121.9

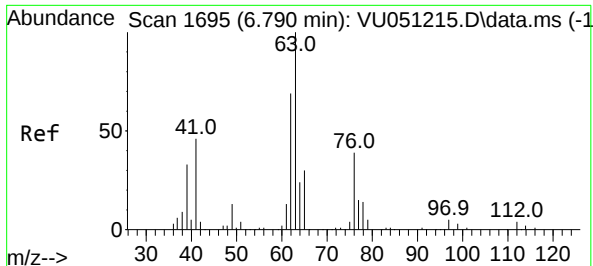


#35
Methylcyclohexane
Concen: 4.076 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Tgt Ion: 83 Resp: 102468

Ion	Ratio	Lower	Upper
83	100		
55	84.3	65.8	98.6
98	46.3	35.9	53.9

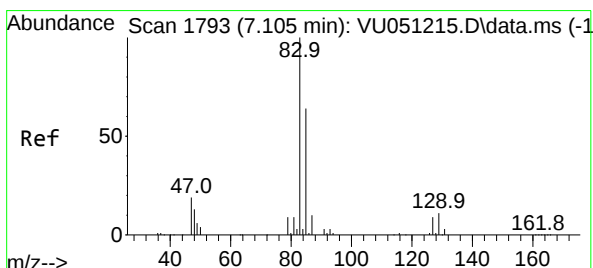
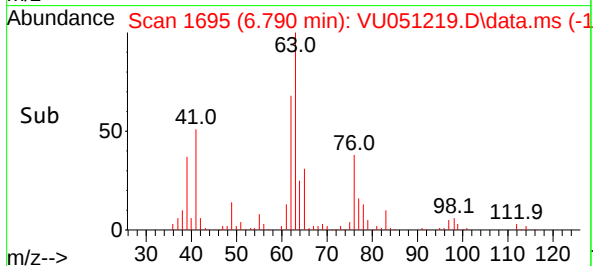
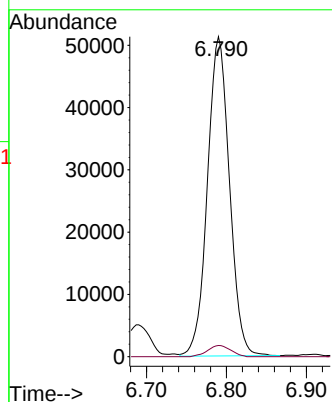
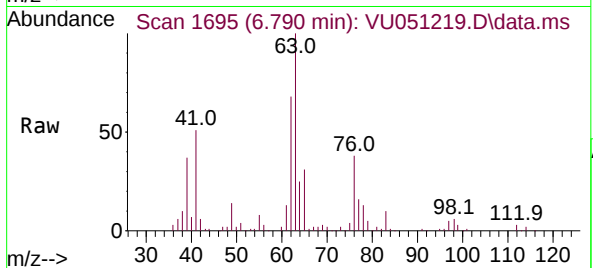




#37
1,2-Dichloropropane
Concen: 4.485 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

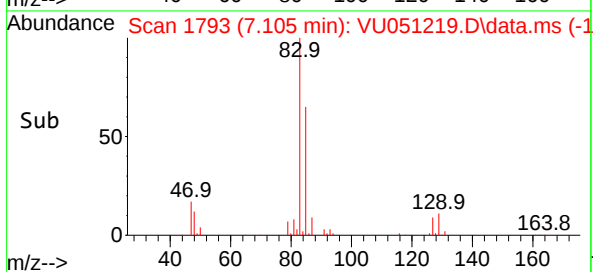
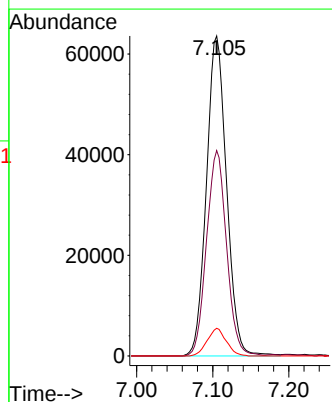
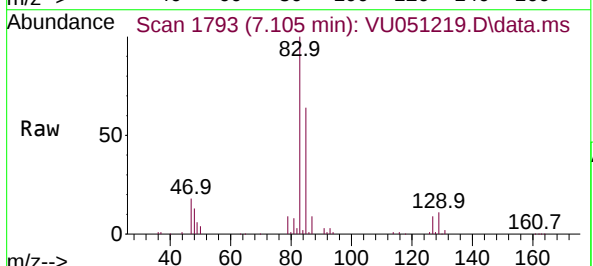
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

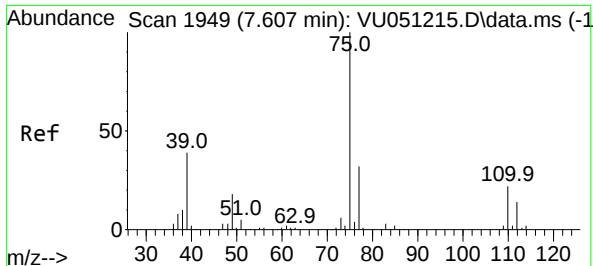
Tgt Ion: 63 Resp: 98181
Ion Ratio Lower Upper
63 100
112 3.7 3.2 4.8



#38
Bromodichloromethane
Concen: 4.486 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Tgt Ion: 83 Resp: 117153
Ion Ratio Lower Upper
83 100
85 64.2 44.8 83.2
127 8.7 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.635 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU051219.D

Acq: 07 Oct 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

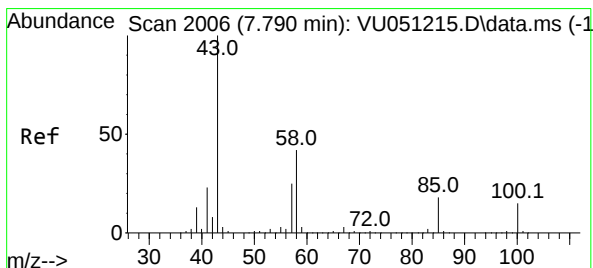
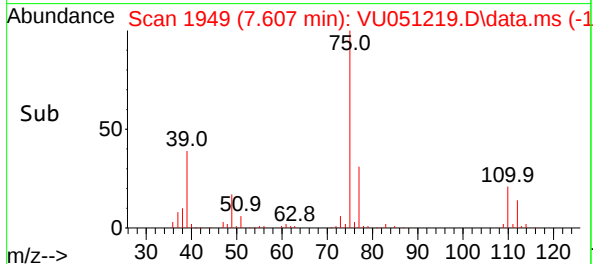
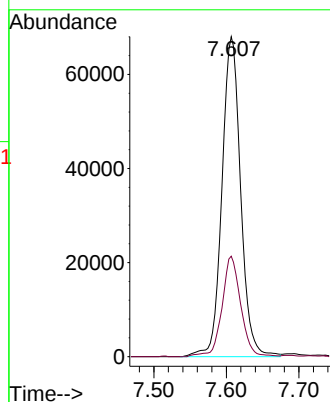
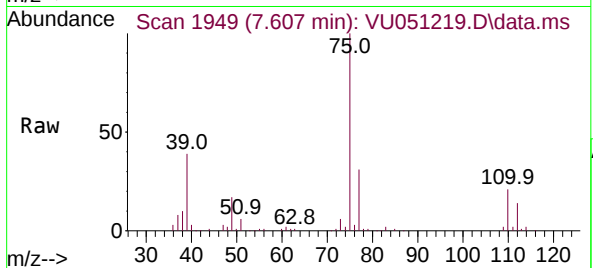
VSTD005165

Tgt Ion: 75 Resp: 121966

Ion Ratio Lower Upper

75 100

77 31.4 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 48.963 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU051219.D

Acq: 07 Oct 2022 15:05

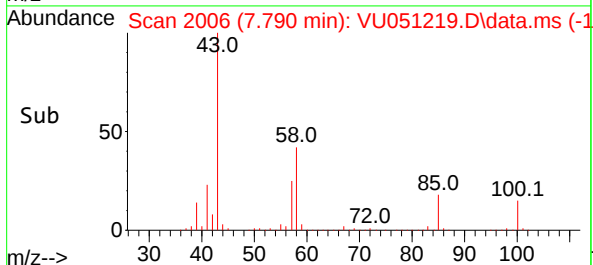
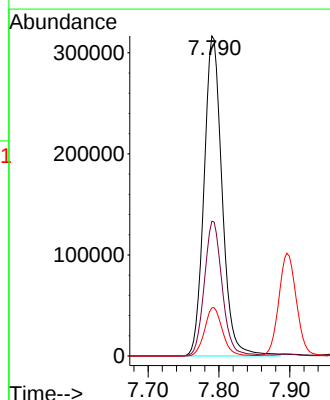
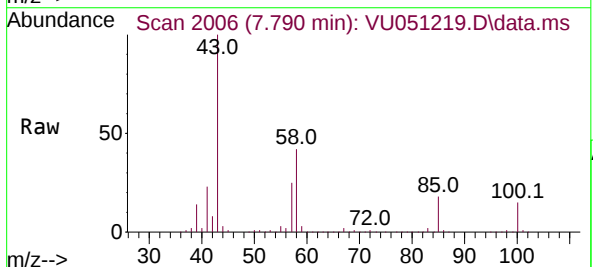
Tgt Ion: 43 Resp: 562310

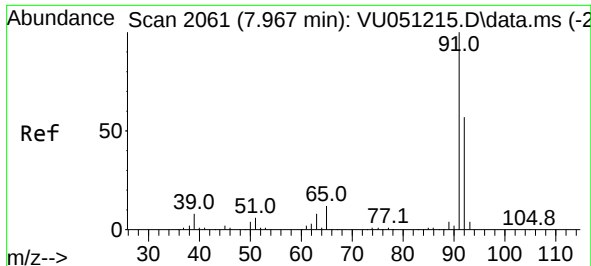
Ion Ratio Lower Upper

43 100

58 41.7 33.0 49.6

100 14.9 11.8 17.6

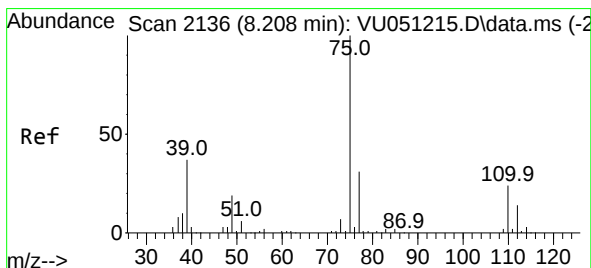
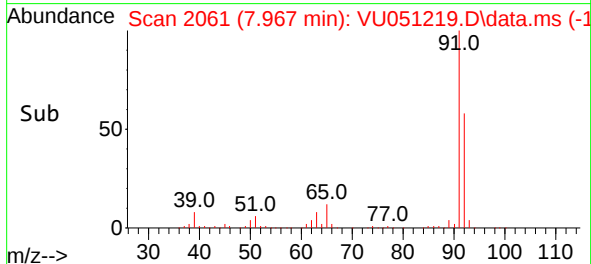
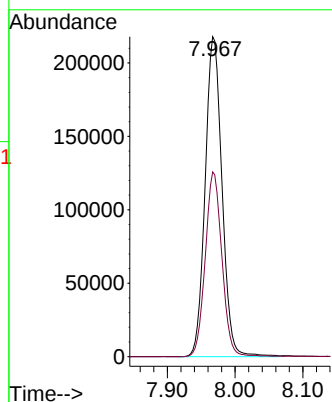
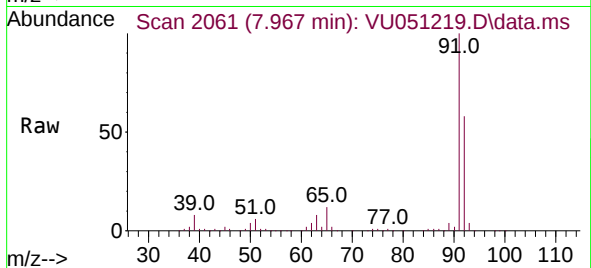




#42
Toluene
Concen: 4.446 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

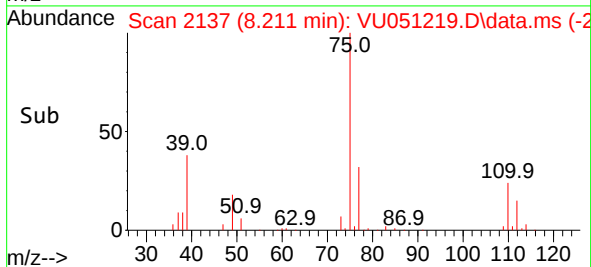
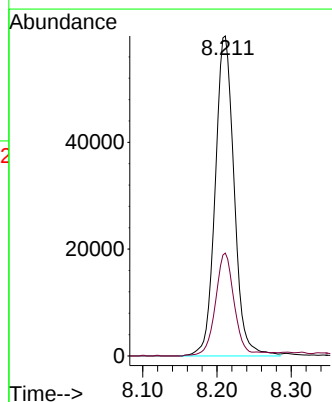
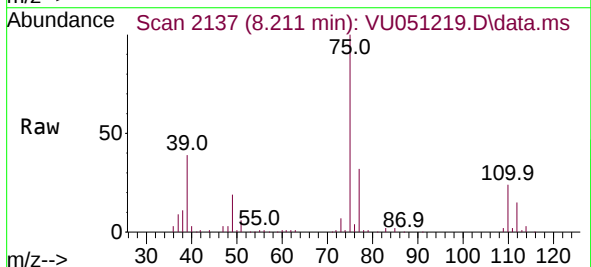
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

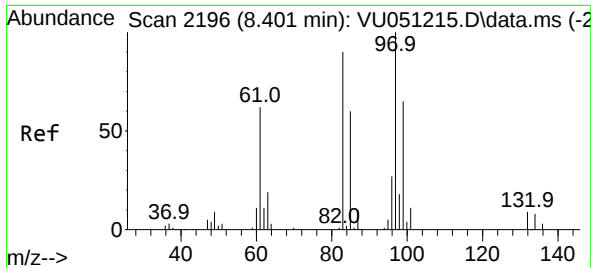
Tgt Ion: 91 Resp: 376933
Ion Ratio Lower Upper
91 100
92 57.7 39.9 74.1



#44
trans-1,3-Dichloropropene
Concen: 4.672 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Tgt Ion: 75 Resp: 106291
Ion Ratio Lower Upper
75 100
77 32.1 21.8 40.6



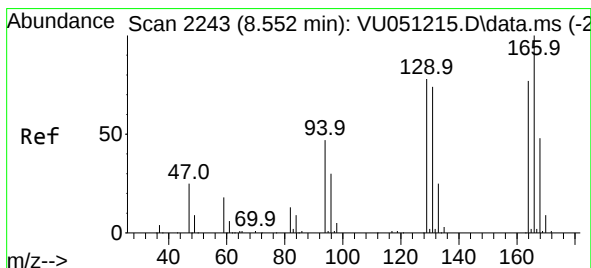
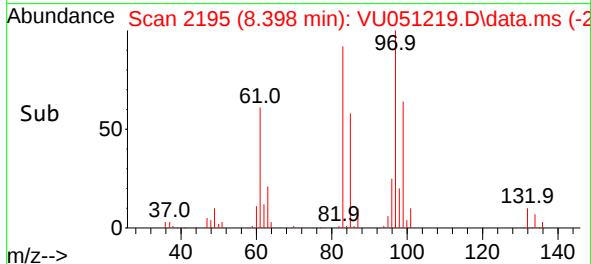
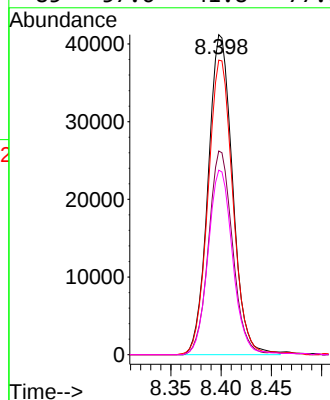
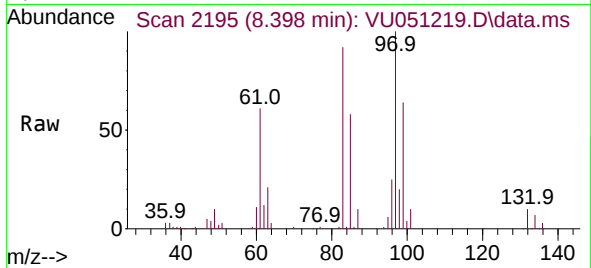


#45
1,1,2-Trichloroethane
Concen: 4.535 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.003 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

Tgt Ion: 97 Resp: 69703

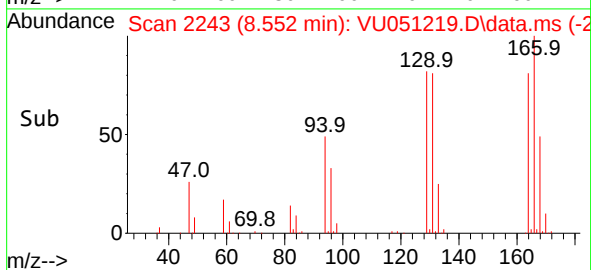
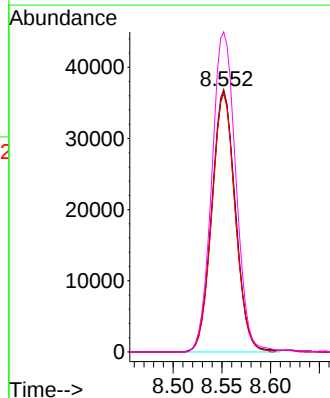
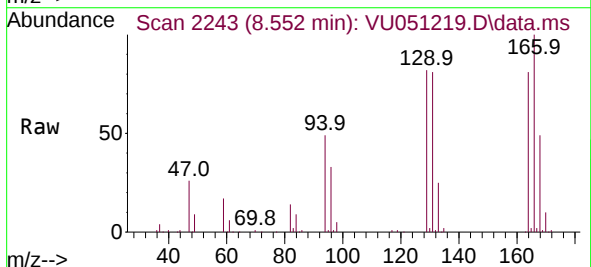
Ion	Ratio	Lower	Upper
97	100		
99	63.7	45.3	84.1
83	92.1	63.1	117.1
85	57.6	41.8	77.6

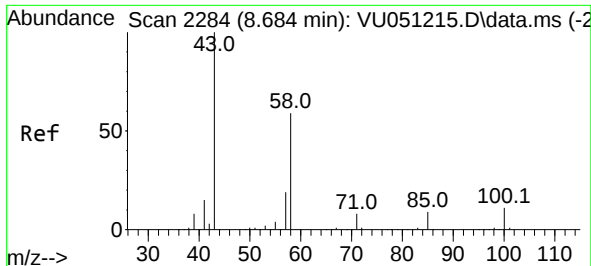


#47
Tetrachloroethene
Concen: 4.221 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Tgt Ion: 164 Resp: 61831

Ion	Ratio	Lower	Upper
164	100		
129	100.7	71.3	132.3
131	99.1	66.9	124.3
166	122.8	90.9	168.7



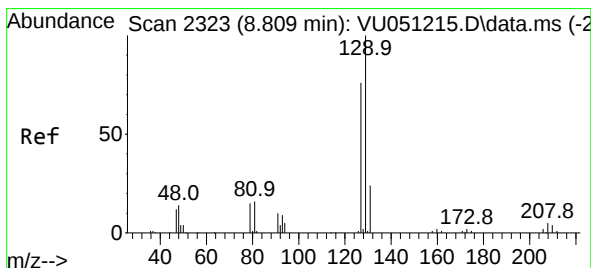
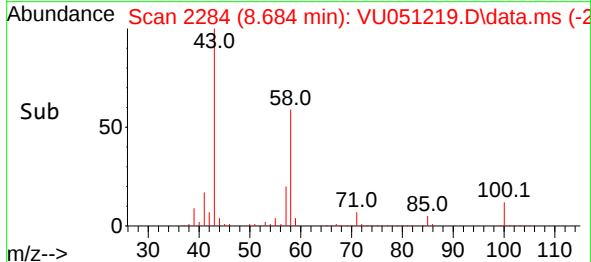
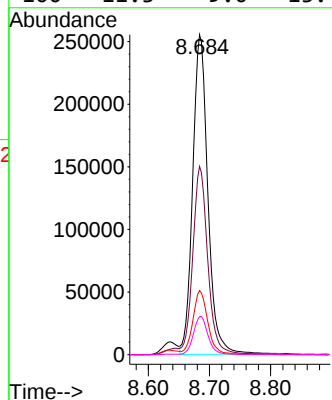
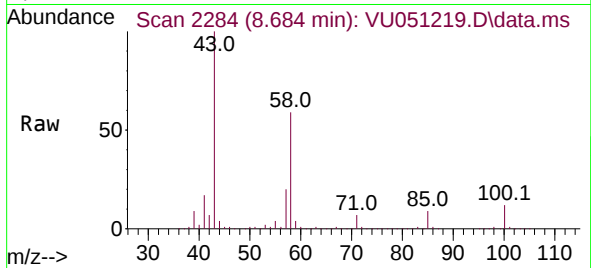


#48
2-Hexanone
Concen: 51.477 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

Tgt Ion: 43 Resp: 440184

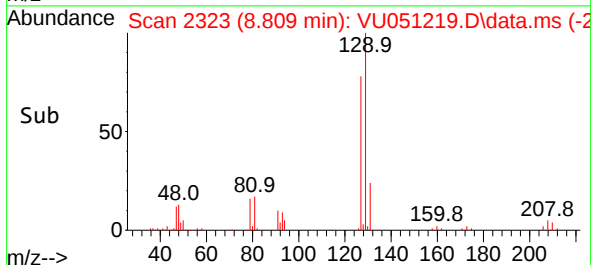
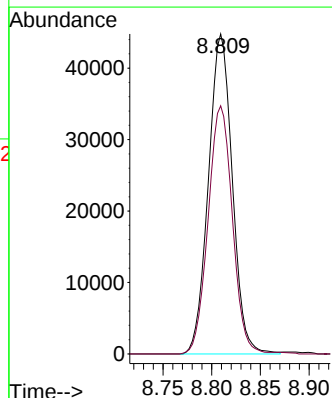
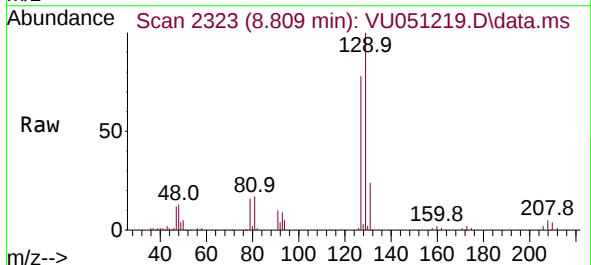
Ion	Ratio	Lower	Upper
43	100		
58	60.3	48.2	72.2
57	19.8	15.5	23.3
100	11.3	9.0	13.4

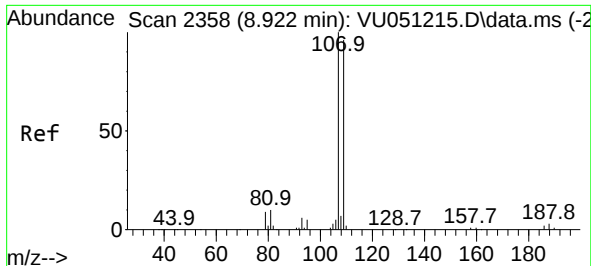


#49
Dibromochloromethane
Concen: 4.430 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Tgt Ion: 129 Resp: 76453

Ion	Ratio	Lower	Upper
129	100		
127	77.5	53.5	99.3





#50

1,2-Dibromoethane

Concen: 4.627 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051219.D

Acq: 07 Oct 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005165

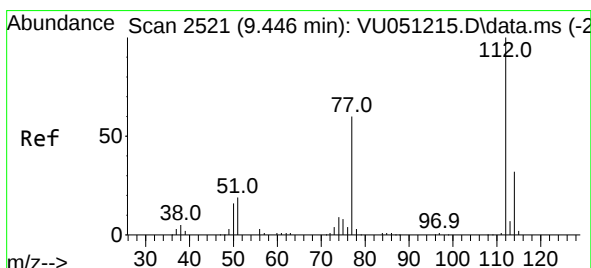
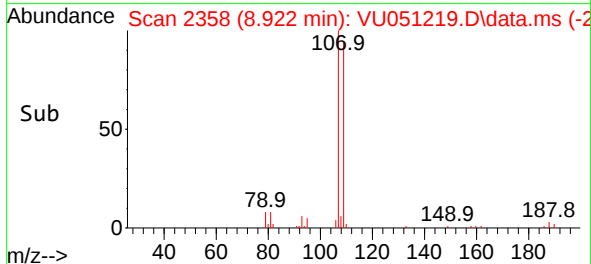
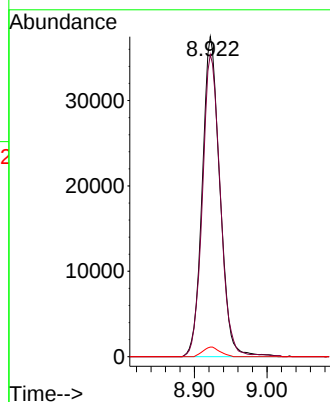
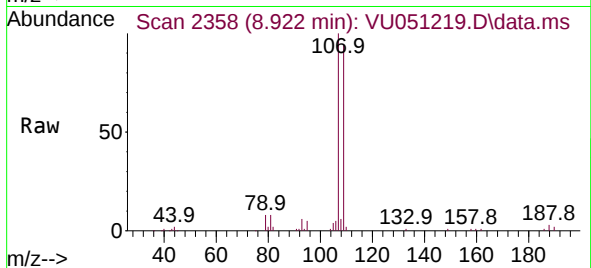
Tgt Ion:107 Resp: 63307

Ion Ratio Lower Upper

107 100

109 94.4 67.1 124.7

188 3.0 2.5 3.7



#51

Chlorobenzene

Concen: 4.467 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051219.D

Acq: 07 Oct 2022 15:05

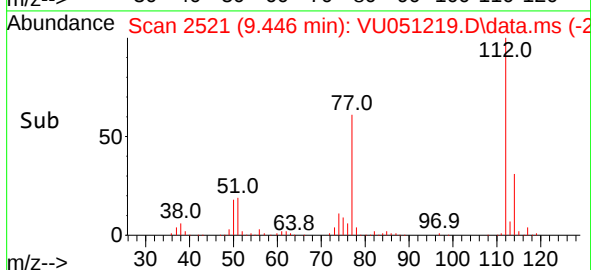
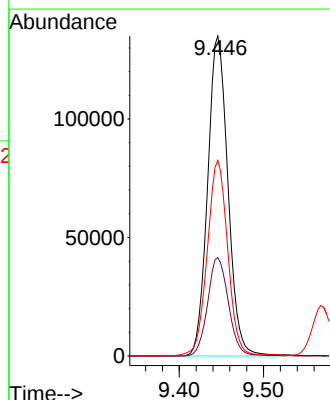
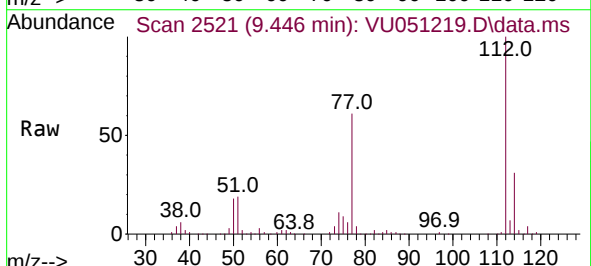
Tgt Ion:112 Resp: 226262

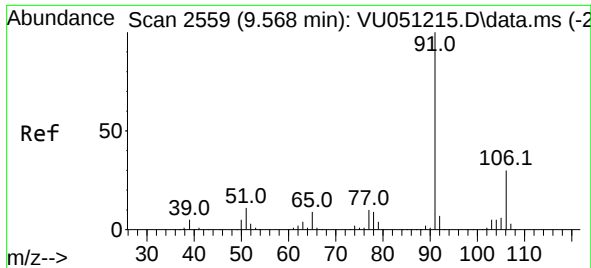
Ion Ratio Lower Upper

112 100

114 30.8 22.3 41.5

77 61.1 48.1 72.1

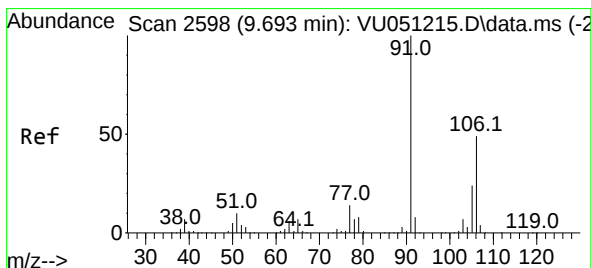
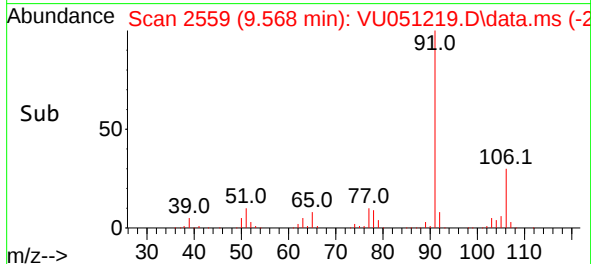
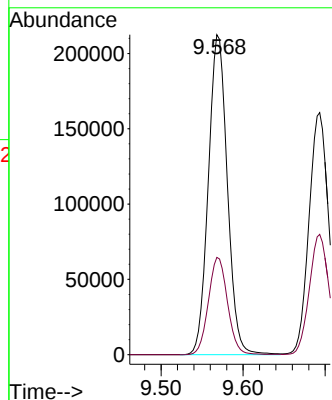
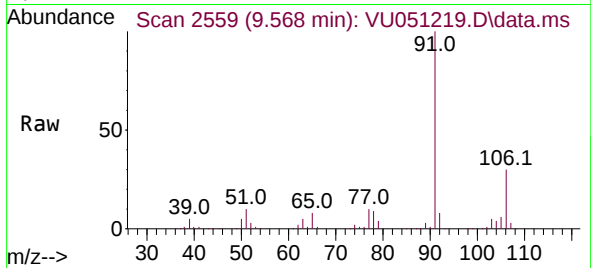




#52
Ethylbenzene
Concen: 4.489 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

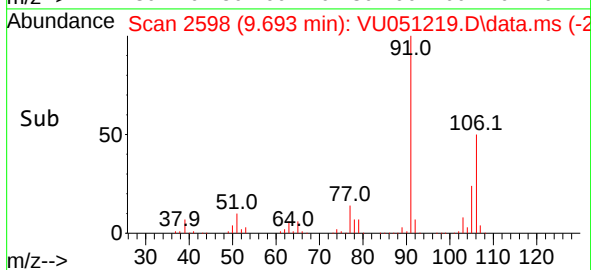
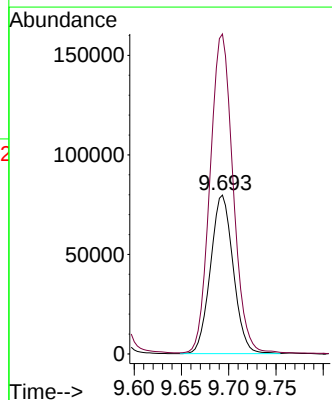
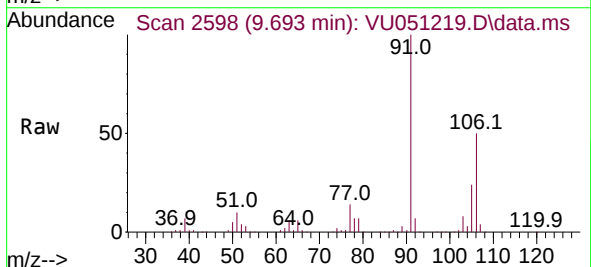
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

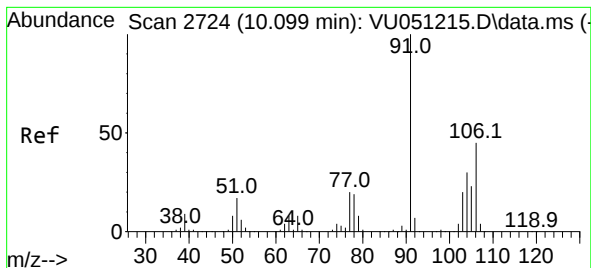
Tgt Ion: 91 Resp: 341944
Ion Ratio Lower Upper
91 100
106 30.4 20.9 38.7



#53
m,p-Xylene
Concen: 4.516 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Tgt Ion: 106 Resp: 133413
Ion Ratio Lower Upper
106 100
91 201.3 143.9 267.3





#54

o-Xylene

Concen: 4.673 ug/L

RT: 10.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051219.D

Acq: 07 Oct 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

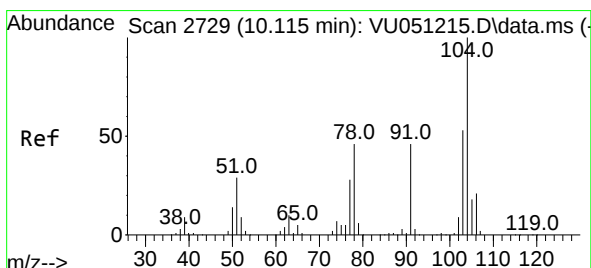
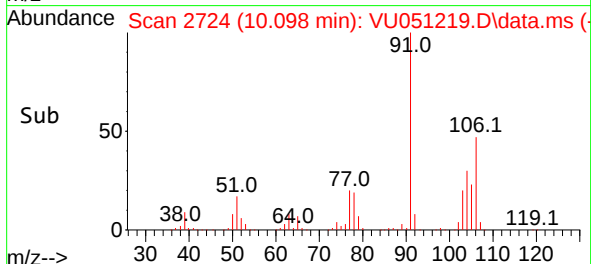
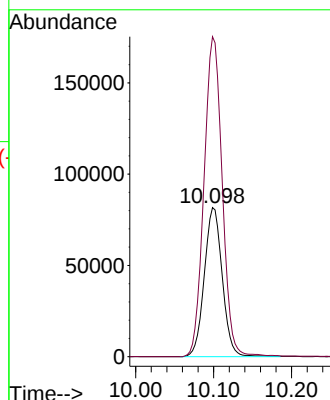
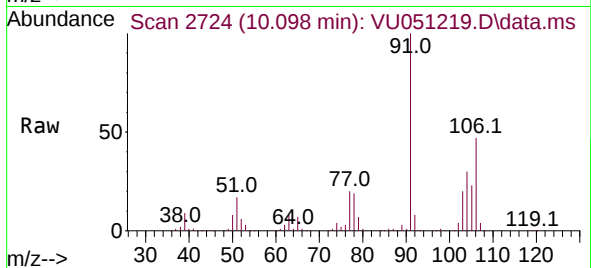
VSTD005165

Tgt Ion:106 Resp: 130635

Ion Ratio Lower Upper

106 100

91 214.6 154.4 286.8



#55

Styrene

Concen: 4.757 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.000 min

Lab File: VU051219.D

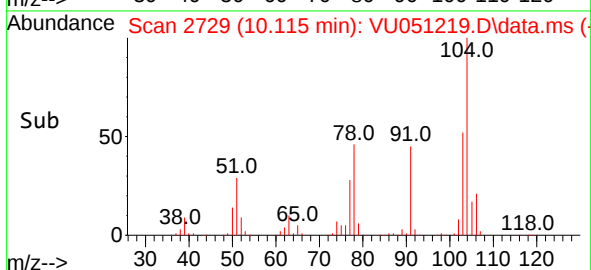
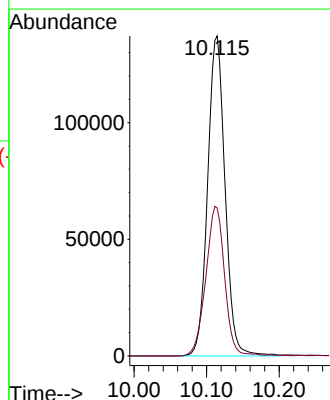
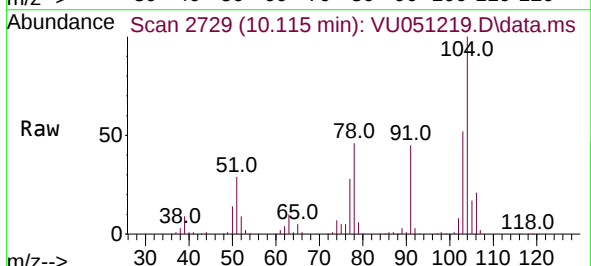
Acq: 07 Oct 2022 15:05

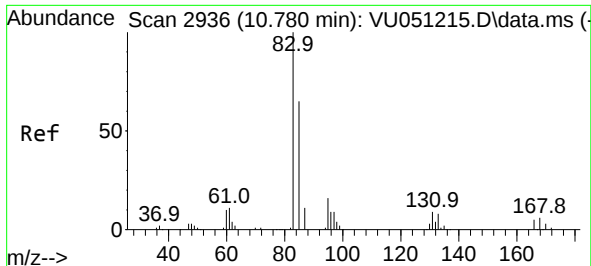
Tgt Ion:104 Resp: 228944

Ion Ratio Lower Upper

104 100

78 46.2 32.1 59.7





#57

1,1,2,2-Tetrachloroethane

Concen: 4.530 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU051219.D

Acq: 07 Oct 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005165

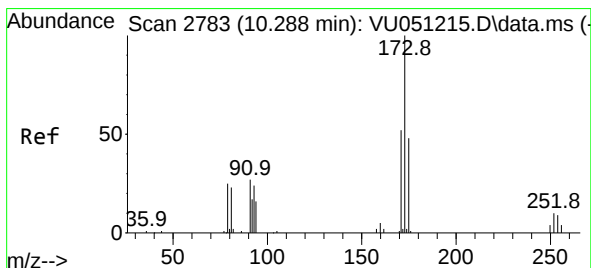
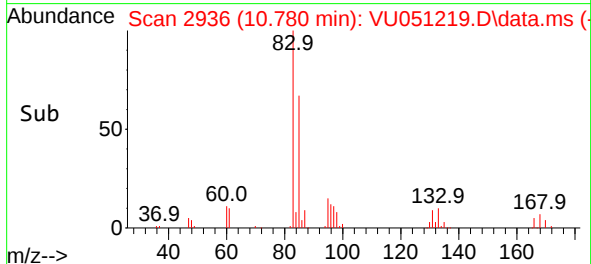
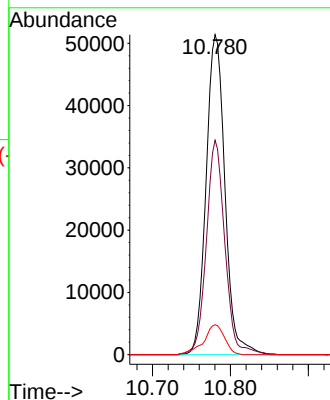
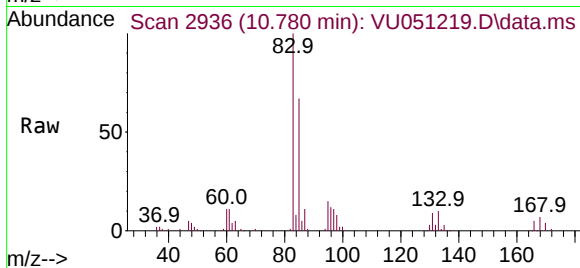
Tgt Ion: 83 Resp: 86171

Ion Ratio Lower Upper

83 100

85 67.0 45.9 85.3

131 9.3 7.4 11.2



#59

Bromoform

Concen: 4.340 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.003 min

Lab File: VU051219.D

Acq: 07 Oct 2022 15:05

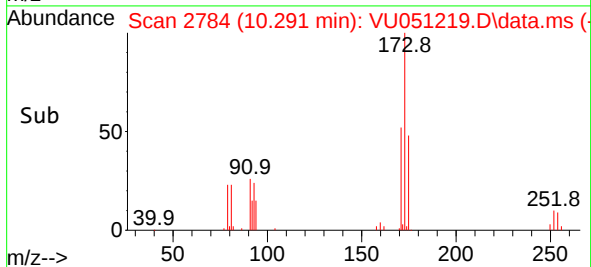
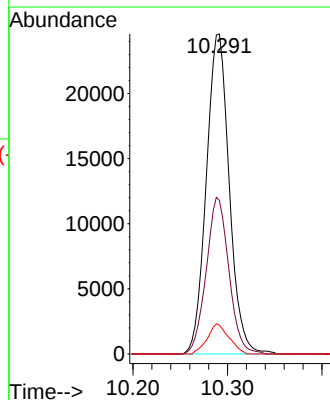
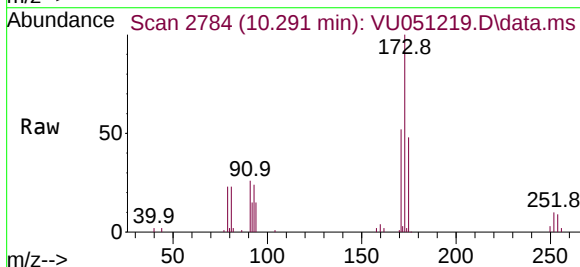
Tgt Ion: 173 Resp: 41411

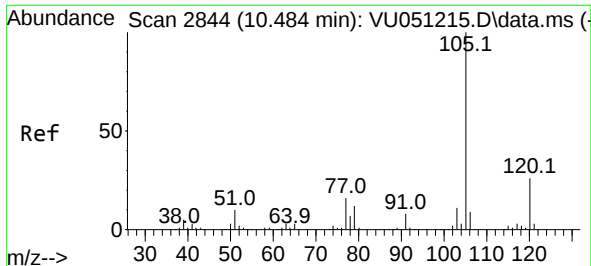
Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.4

254 8.8 7.5 11.3

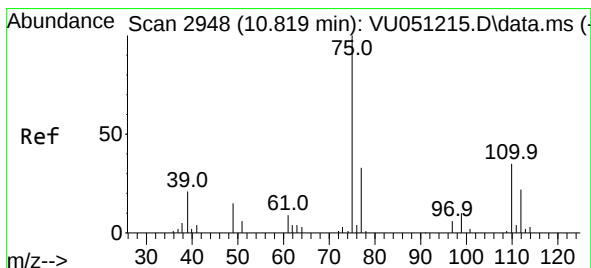
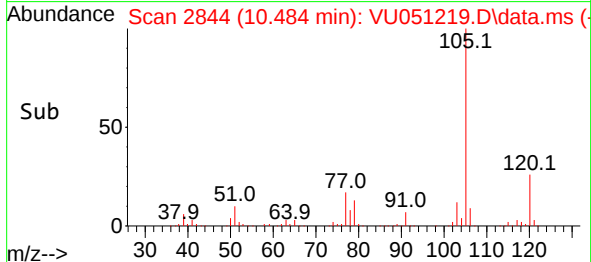
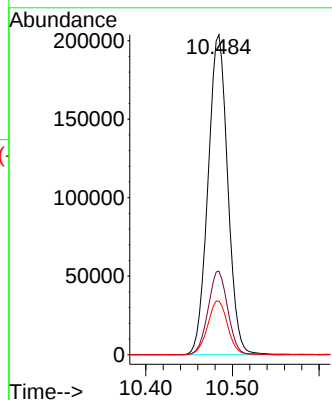
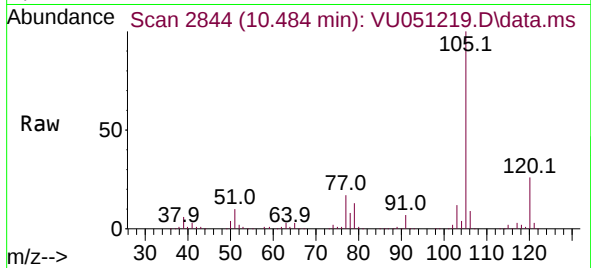




#60
Isopropylbenzene
Concen: 4.431 ug/L
RT: 10.484 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

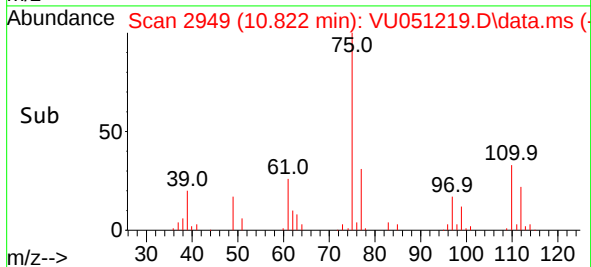
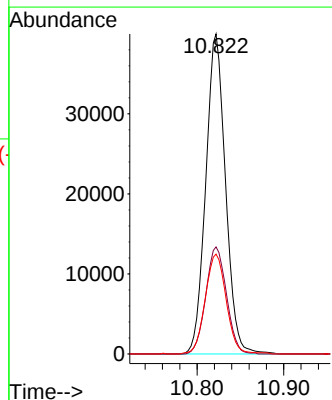
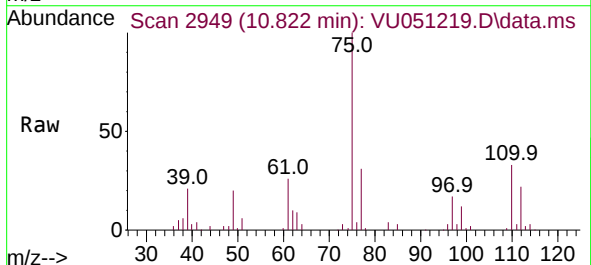
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

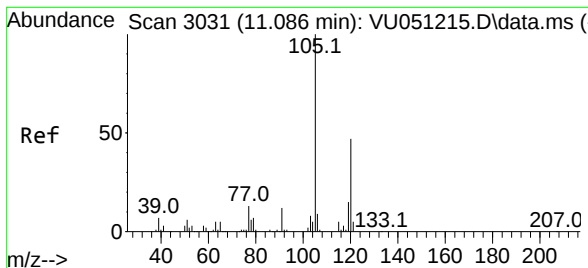
Tgt Ion:105 Resp: 321903
Ion Ratio Lower Upper
105 100
120 26.1 20.6 30.8
77 17.1 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 4.378 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Tgt Ion: 75 Resp: 63403
Ion Ratio Lower Upper
75 100
110 35.0 27.0 40.6
77 33.0 26.4 39.6

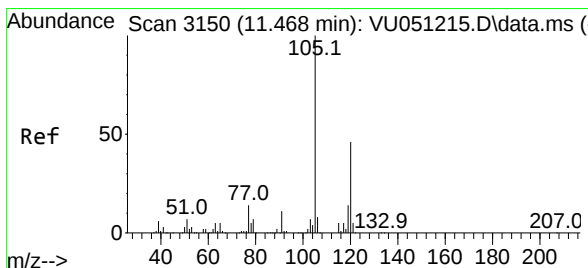
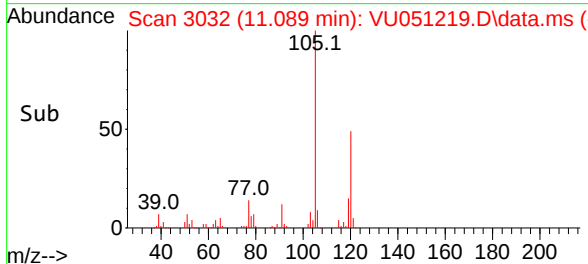
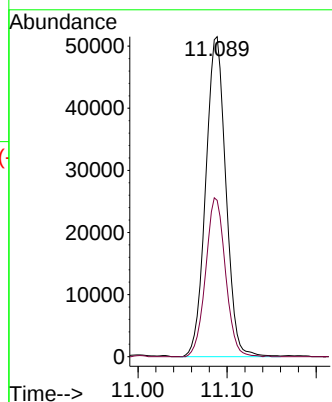
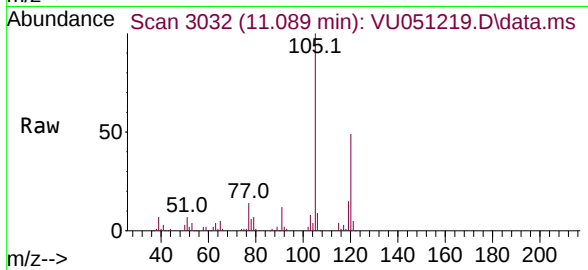




#62
1,3,5-Trimethylbenzene
Concen: 4.193 ug/L
RT: 11.089 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

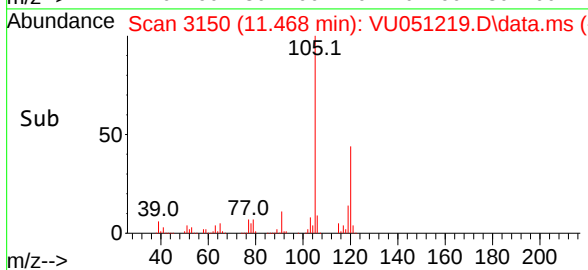
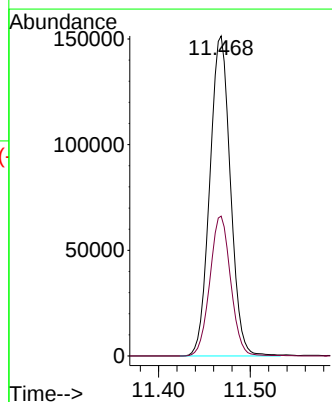
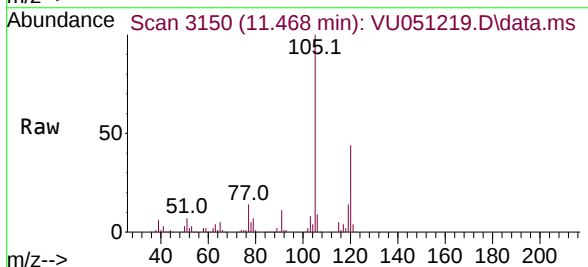
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

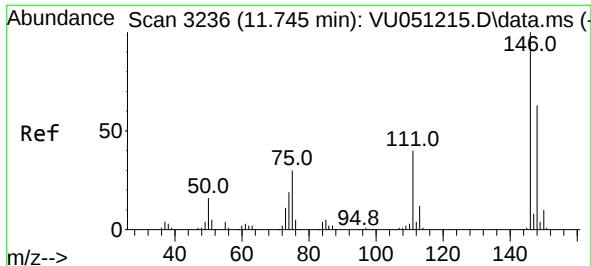
Tgt Ion:105 Resp: 80797
Ion Ratio Lower Upper
105 100
120 48.8 37.7 56.5



#63
1,2,4-Trimethylbenzene
Concen: 4.343 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Tgt Ion:105 Resp: 236702
Ion Ratio Lower Upper
105 100
120 44.1 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 4.439 ug/L

RT: 11.745 min Scan# 3236

Delta R.T. -0.000 min

Lab File: VU051219.D

Acq: 07 Oct 2022 15:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005165

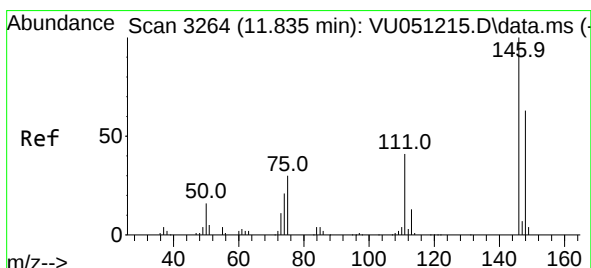
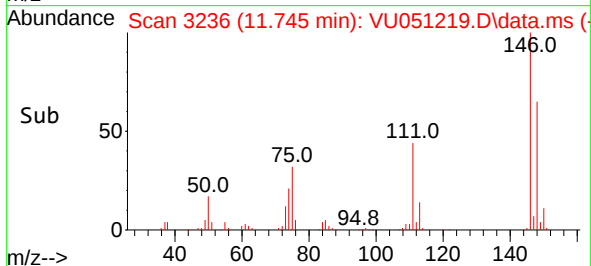
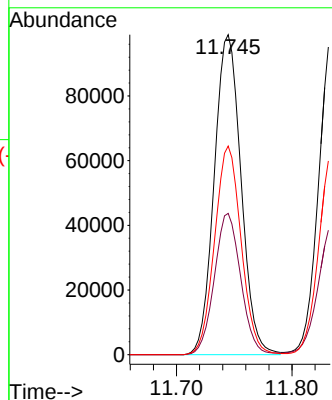
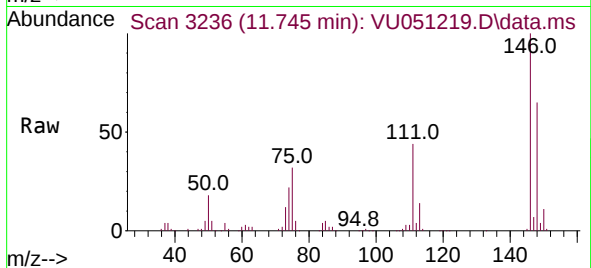
Tgt Ion:146 Resp: 159495

Ion Ratio Lower Upper

146 100

111 44.2 28.3 52.7

148 65.2 43.8 81.4



#65

1,4-Dichlorobenzene

Concen: 4.543 ug/L

RT: 11.835 min Scan# 3264

Delta R.T. -0.000 min

Lab File: VU051219.D

Acq: 07 Oct 2022 15:05

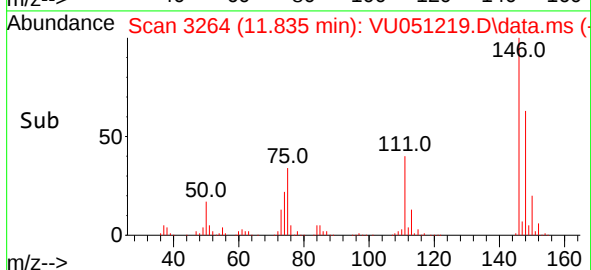
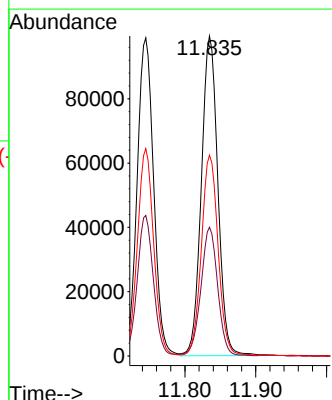
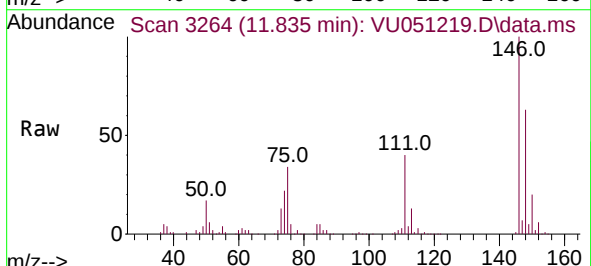
Tgt Ion:146 Resp: 160912

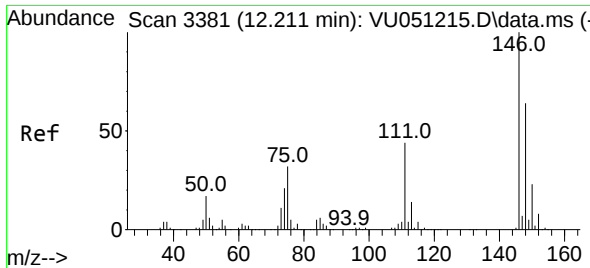
Ion Ratio Lower Upper

146 100

111 40.3 29.1 54.1

148 62.7 44.2 82.0

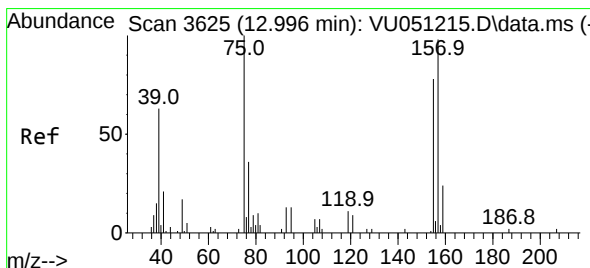
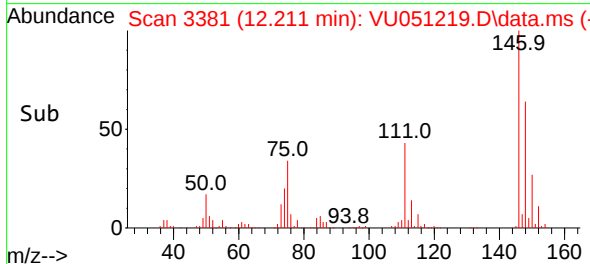
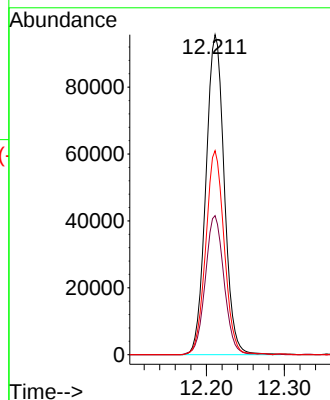
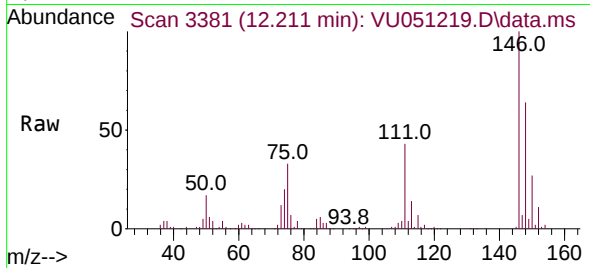




#67
1,2-Dichlorobenzene
Concen: 4.478 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

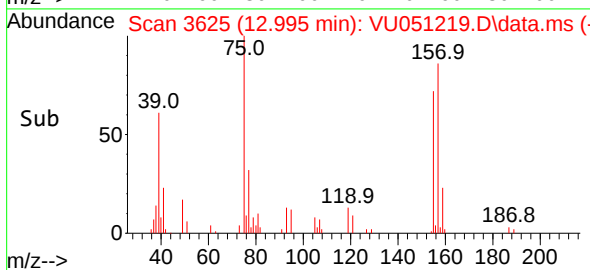
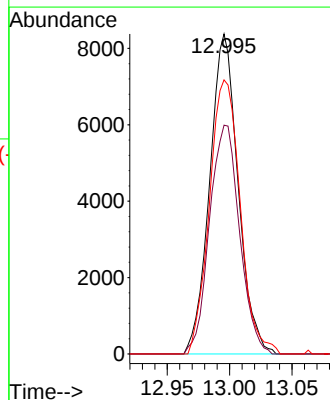
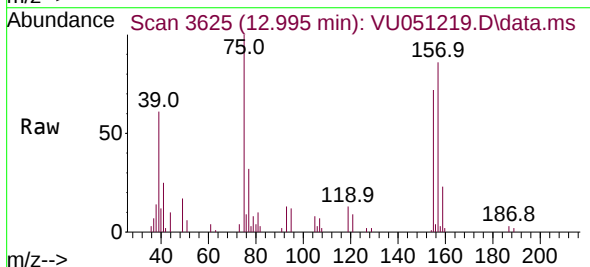
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

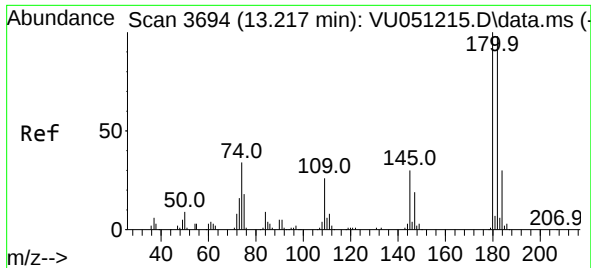
Tgt Ion:146 Resp: 156447
Ion Ratio Lower Upper
146 100
111 43.4 35.5 53.3
148 63.7 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 4.790 ug/L
RT: 12.995 min Scan# 3625
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Tgt Ion: 75 Resp: 13271
Ion Ratio Lower Upper
75 100
155 71.5 62.7 94.1
157 85.7 78.3 117.5



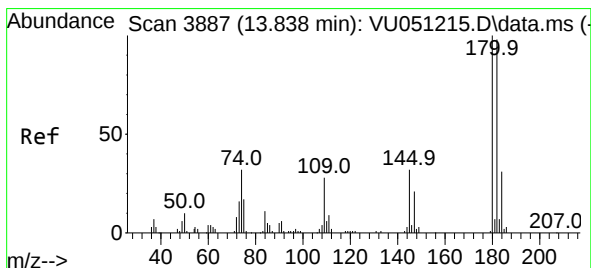
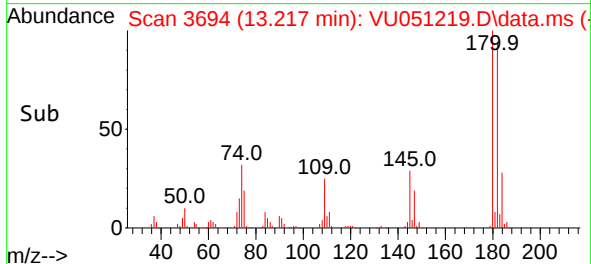
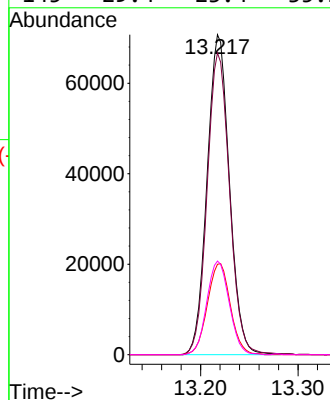
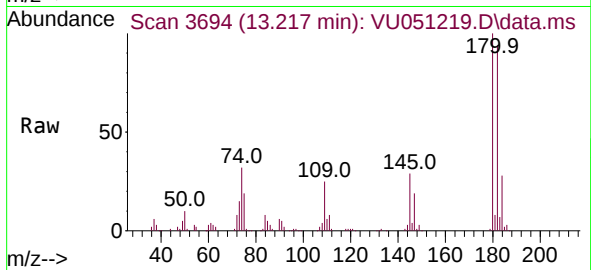


#69
 1,3,5-Trichlorobenzene
 Concen: 4.543 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.000 min
 Lab File: VU051219.D
 Acq: 07 Oct 2022 15:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005165

Tgt Ion:180 Resp: 112515

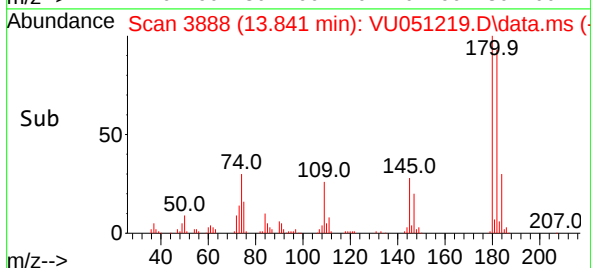
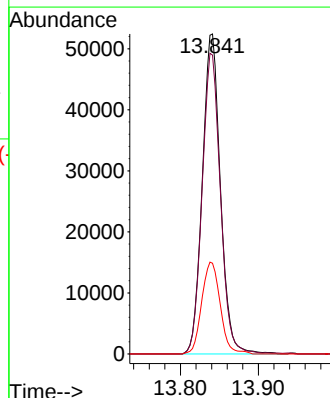
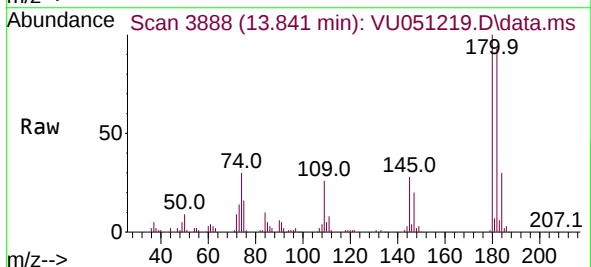
Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.7	116.5
184	29.3	23.6	35.4
145	29.4	23.4	35.2

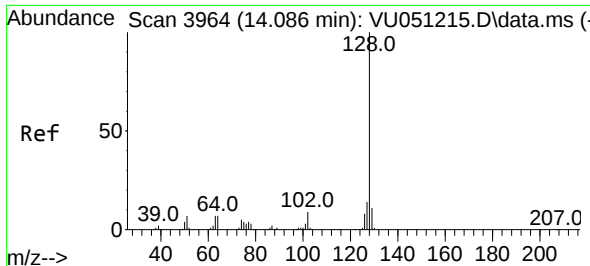


#70
 1,2,4-trichlorobenzene
 Concen: 4.801 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU051219.D
 Acq: 07 Oct 2022 15:05

Tgt Ion:180 Resp: 84520

Ion	Ratio	Lower	Upper
180	100		
182	94.6	78.7	118.1
145	29.3	25.0	37.4

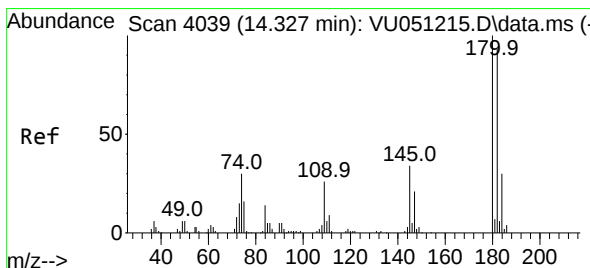
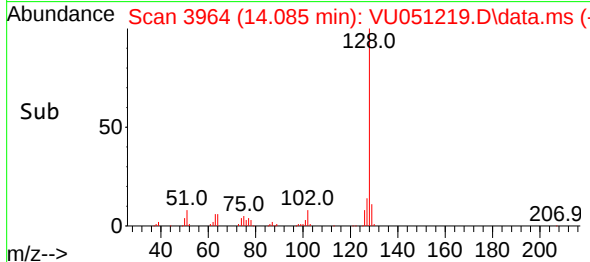
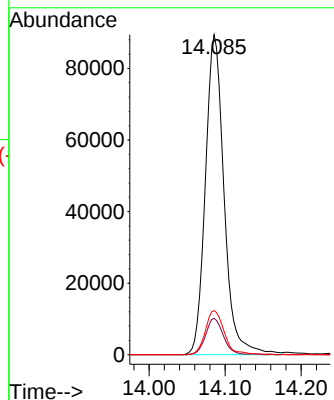
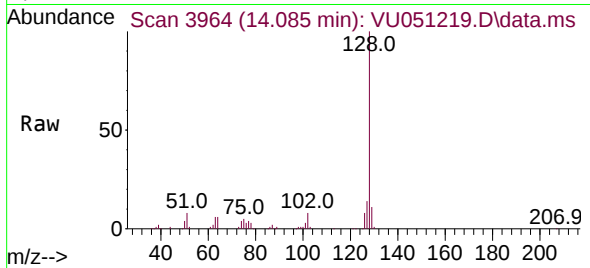




#71
Naphthalene
Concen: 4.670 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

Tgt Ion:128 Resp: 152817
Ion Ratio Lower Upper
128 100
129 10.7 8.5 12.7
127 13.9 11.1 16.7



#72
1,2,3-Trichlorobenzene
Concen: 4.657 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU051219.D
Acq: 07 Oct 2022 15:05

Tgt Ion:180 Resp: 84810
Ion Ratio Lower Upper
180 100
182 97.3 76.6 114.8
145 32.8 25.8 38.8

