

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101322\
 Data File : VU051404.D
 Acq On : 13 Oct 2022 10:39
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005179

Quant Time: Oct 14 01:18:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 13 01:37:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	203250	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	211822	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	100554	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	102054	6.225	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	124.400%
7) Chloroethane-d5	1.909	69	73694	5.231	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.600%
11) 1,1-Dichloroethene-d2	2.562	65	35897	5.539	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.800%
20) 2-Butanone-d5	4.629	46	169770	47.032	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.060%
24) Chloroform-d	5.060	84	157079	5.139	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.800%
26) 1,2-Dichloroethane-d4	5.700	65	78021	4.950	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
32) Benzene-d6	5.726	84	300346	5.154	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.000%
36) 1,2-Dichloropropane-d6	6.690	67	97311	4.917	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.400%
41) Toluene-d8	7.896	98	270315	5.185	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
43) trans-1,3-Dichloroprop...	8.179	79	34687	5.335	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.600%
46) 2-Hexanone-d5	8.633	63	112806	51.479	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.960%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	78083	4.939	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	80423	4.602	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	93361	5.631	ug/L	99
3) Chloromethane	1.520	50	113516	4.876	ug/L	100
5) Vinyl chloride	1.601	62	113700	4.979	ug/L	96
6) Bromomethane	1.855	94	62456	5.023	ug/L	99
8) Chloroethane	1.932	64	69335	4.761	ug/L	98
9) Trichlorofluoromethane	2.134	101	136583	5.189	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	90657	5.739	ug/L	99
12) 1,1-Dichloroethene	2.578	96	78788	5.316	ug/L	95
13) Acetone	2.639	43	147816	54.599	ug/L	96
14) Carbon disulfide	2.790	76	237689	5.236	ug/L	99
15) Methyl Acetate	2.954	43	36807	5.593	ug/L	97
16) Methylene chloride	3.044	84	102690	4.692	ug/L	98
17) Methyl tert-butyl Ether	3.363	73	171269	5.044	ug/L	100
18) trans-1,2-Dichloroethene	3.350	96	82409	5.285	ug/L	98
19) 1,1-Dichloroethane	3.867	63	179963	5.593	ug/L	99
21) 2-Butanone	4.710	43	226241	53.025	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	90259	5.226	ug/L	97
23) Bromochloromethane	4.973	128	44411	5.389	ug/L	95
25) Chloroform	5.086	83	186064	5.536	ug/L	98

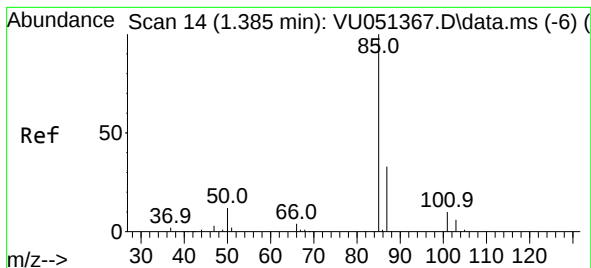
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101322\
 Data File : VU051404.D
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005179

Quant Time: Oct 14 01:18:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 13 01:37:29 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	111452	5.536	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	145108	5.717	ug/L	97
30) Cyclohexane	5.385	56	110831	5.148	ug/L	99
31) Carbon tetrachloride	5.523	117	123569	5.754	ug/L	98
33) Benzene	5.771	78	387730	5.483	ug/L	100
34) Trichloroethene	6.539	95	92024	5.217	ug/L	98
35) Methylcyclohexane	6.761	83	117660	5.286	ug/L	98
37) 1,2-Dichloropropane	6.790	63	107356	5.539	ug/L	100
38) Bromodichloromethane	7.105	83	129961	5.621	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	123930	5.320	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	542385	53.338	ug/L	100
42) Toluene	7.967	91	400868	5.341	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	111771	5.548	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	75127	5.521	ug/L	97
47) Tetrachloroethene	8.552	164	69305	5.343	ug/L	94
48) 2-Hexanone	8.684	43	419694	55.431	ug/L	98
49) Dibromochloromethane	8.806	129	83760	5.481	ug/L	98
50) 1,2-Dibromoethane	8.922	107	66479	5.488	ug/L	100
51) Chlorobenzene	9.446	112	240085	5.353	ug/L	100
52) Ethylbenzene	9.568	91	354719	5.259	ug/L	98
53) m,p-Xylene	9.694	106	138941	5.311	ug/L	100
54) o-Xylene	10.099	106	134489	5.433	ug/L	97
55) Styrene	10.112	104	234557	5.505	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	92924	5.516	ug/L	99
59) Bromoform	10.288	173	43290	5.175	ug/L	98
60) Isopropylbenzene	10.481	105	344082	5.403	ug/L	99
61) 1,2,3-Trichloropropane	10.822	75	67362	5.305	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	83394	4.936	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	230873	4.832	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	170417	5.409	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	164974	5.313	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	164871	5.383	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	13642	5.617	ug/L	90
69) 1,3,5-Trichlorobenzene	13.218	180	112206	5.167	ug/L	97
70) 1,2,4-trichlorobenzene	13.838	180	80426	5.211	ug/L	96
71) Naphthalene	14.086	128	127911	4.459	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	79727	4.994	ug/L	98

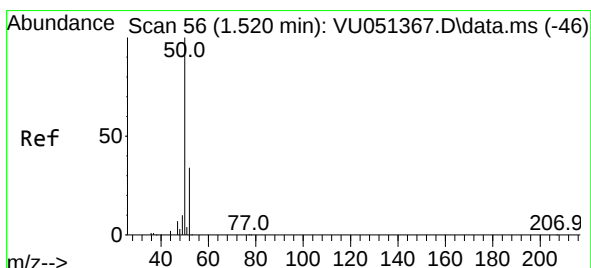
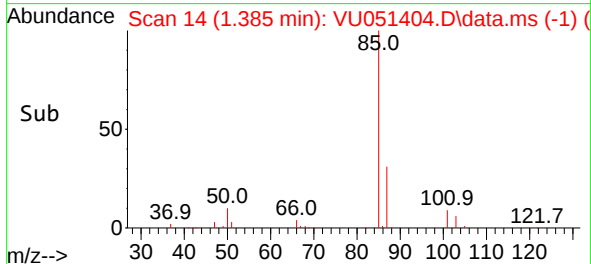
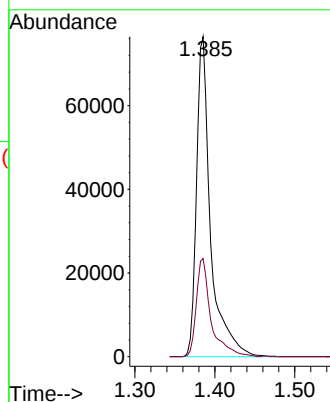
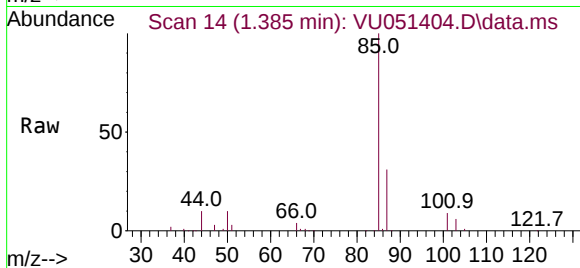
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#2
Dichlorodifluoromethane
Concen: 5.631 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

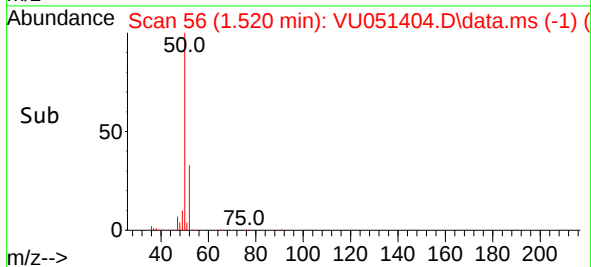
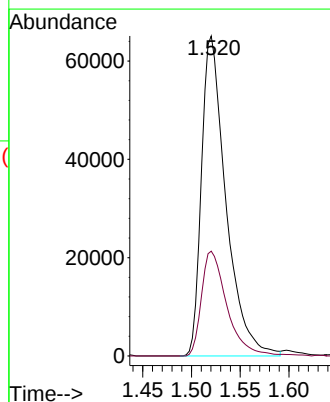
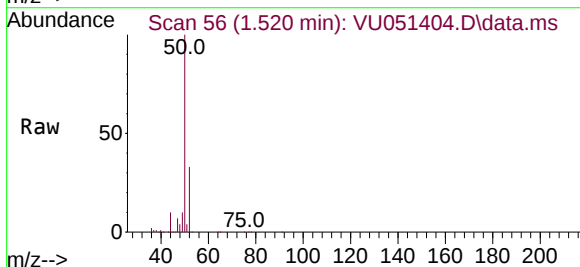
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MSVOA_U
ClientSampleId :
VSTD005179

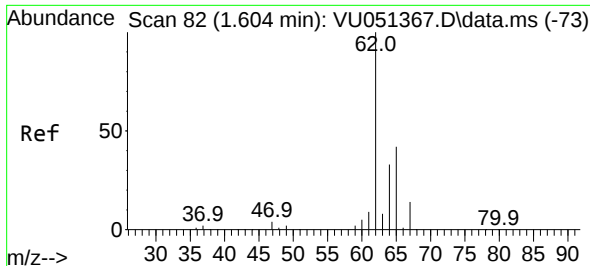
Tgt Ion: 85 Resp: 93361
Ion Ratio Lower Upper
85 100
87 32.2 26.2 39.4



#3
Chloromethane
Concen: 4.876 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

Tgt Ion: 50 Resp: 113516
Ion Ratio Lower Upper
50 100
52 32.7 22.9 42.5

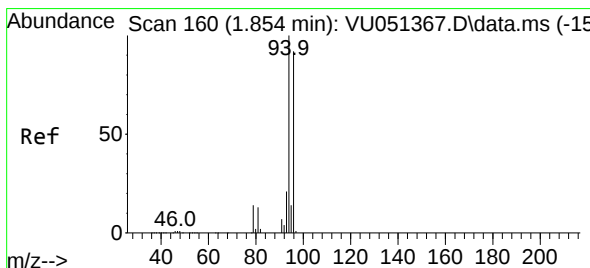
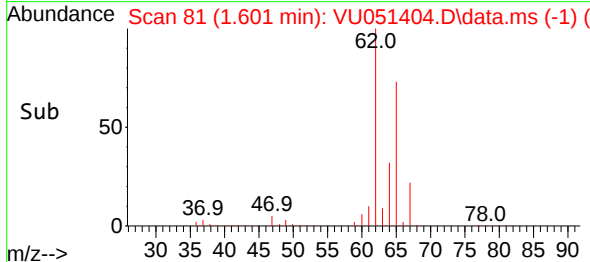
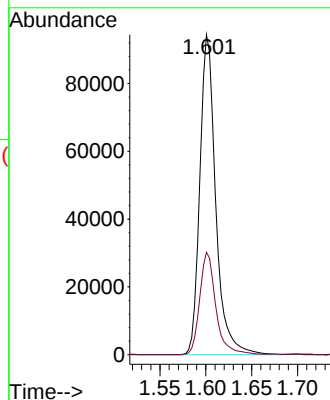
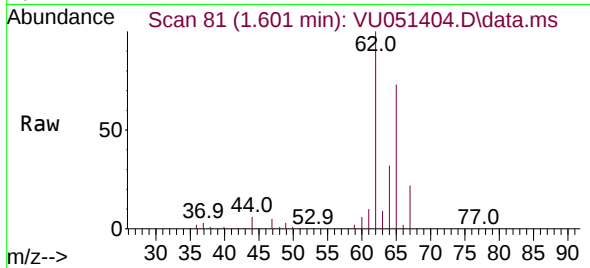




#5
 Vinyl chloride
 Concen: 4.979 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU051404.D
 Acq: 13 Oct 2022 10:39

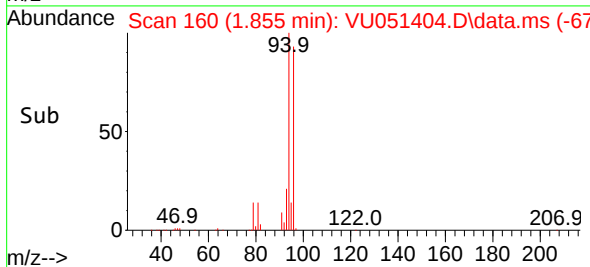
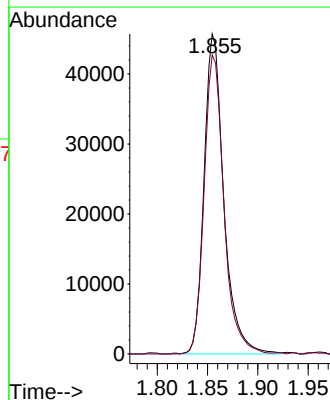
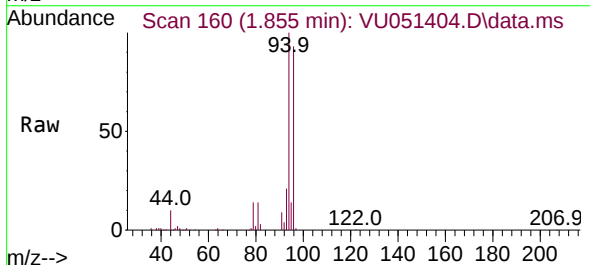
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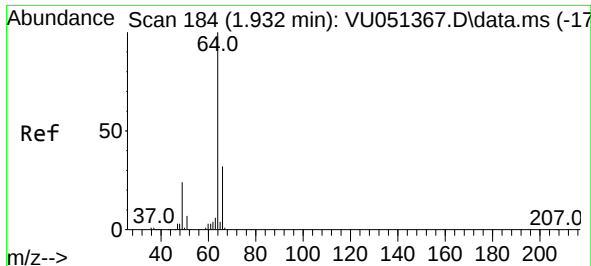
Tgt Ion: 62 Resp: 113700
 Ion Ratio Lower Upper
 62 100
 64 32.0 24.0 44.6



#6
 Bromomethane
 Concen: 5.023 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. 0.000 min
 Lab File: VU051404.D
 Acq: 13 Oct 2022 10:39

Tgt Ion: 94 Resp: 62456
 Ion Ratio Lower Upper
 94 100
 96 93.4 64.9 120.5

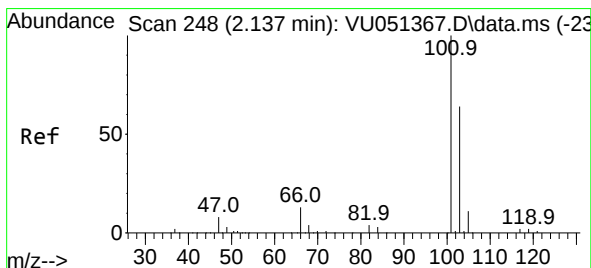
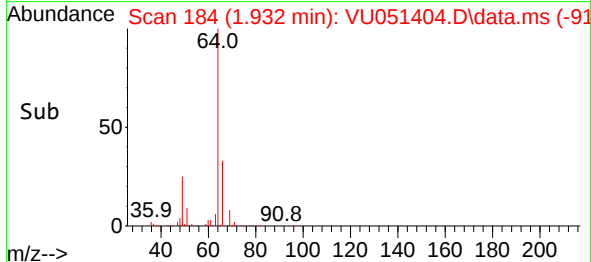
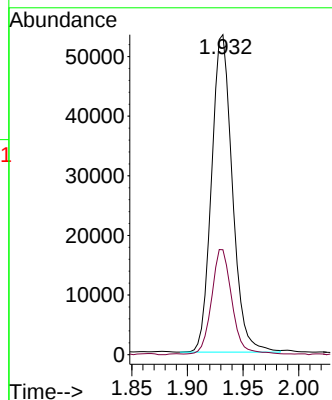
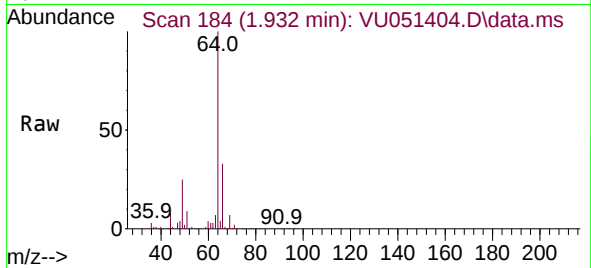




#8
Chloroethane
Concen: 4.761 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

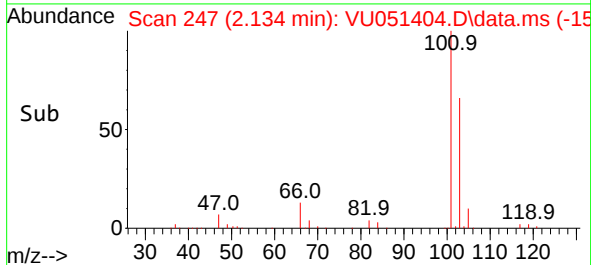
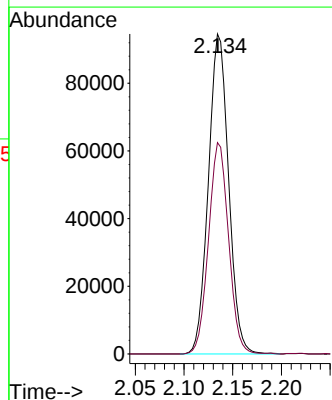
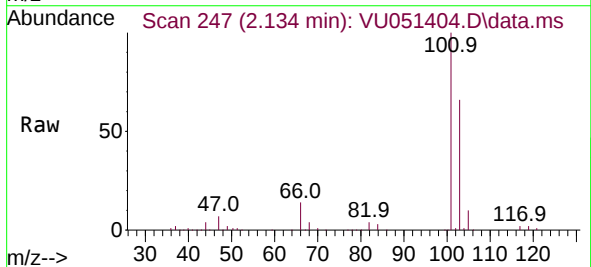
Instrument :
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ClientSampleId :
VSTD005179

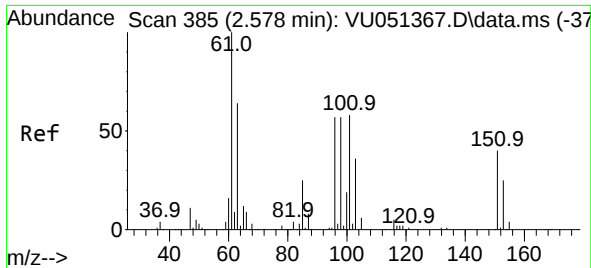
Tgt Ion: 64 Resp: 69335
Ion Ratio Lower Upper
64 100
66 32.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 5.189 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

Tgt Ion: 101 Resp: 136583
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.2

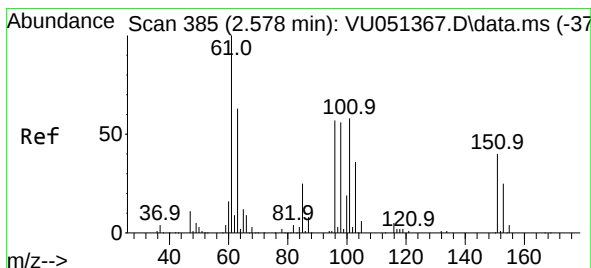
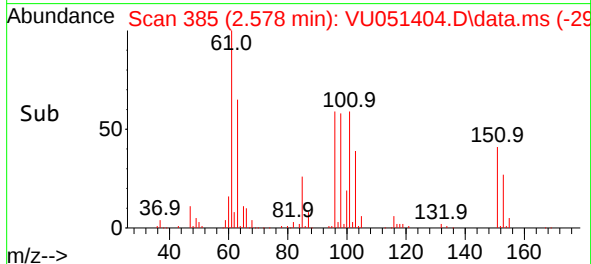
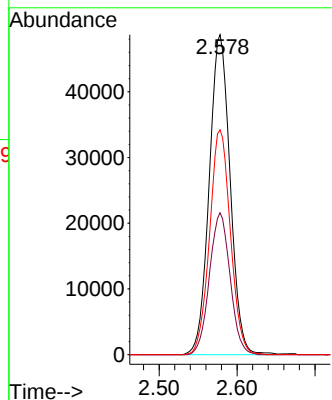
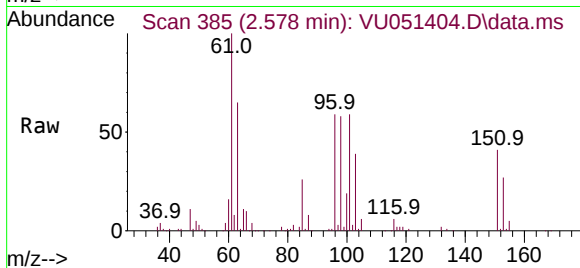




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.739 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051404.D
 Acq: 13 Oct 2022 10:39

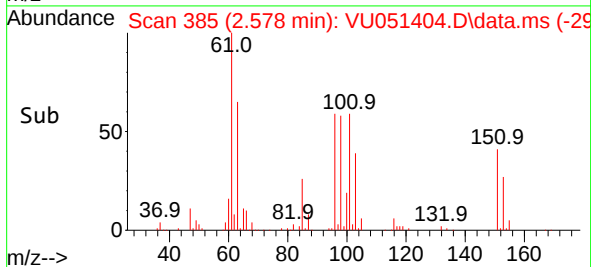
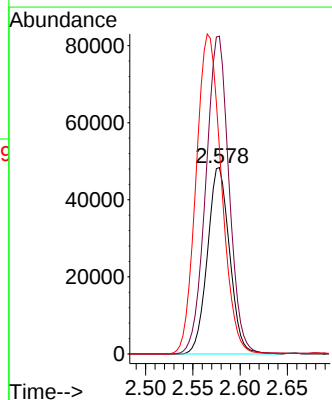
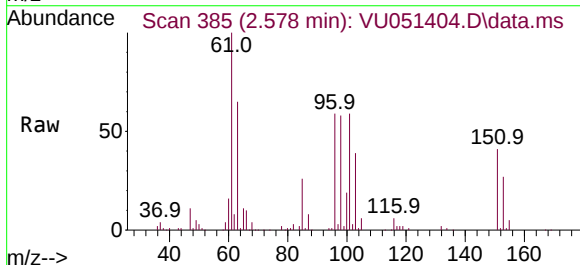
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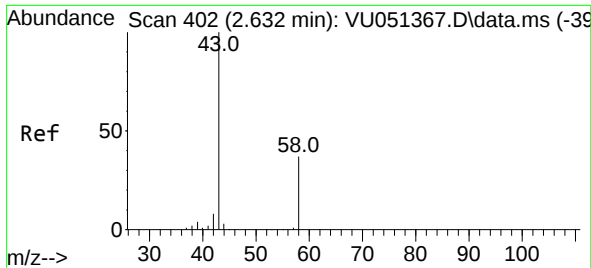
Tgt Ion:101 Resp: 90657
 Ion Ratio Lower Upper
 101 100
 85 43.8 34.6 51.8
 151 70.1 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 5.316 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051404.D
 Acq: 13 Oct 2022 10:39

Tgt Ion: 96 Resp: 78788
 Ion Ratio Lower Upper
 96 100
 61 170.4 117.6 218.4
 63 110.4 85.2 158.2





#13

Acetone

Concen: 54.599 ug/L

RT: 2.639 min Scan# 402

Delta R.T. 0.013 min

Lab File: VU051404.D

Acq: 13 Oct 2022 10:39

Instrument :

MSVOA_U

ClientSampleId :

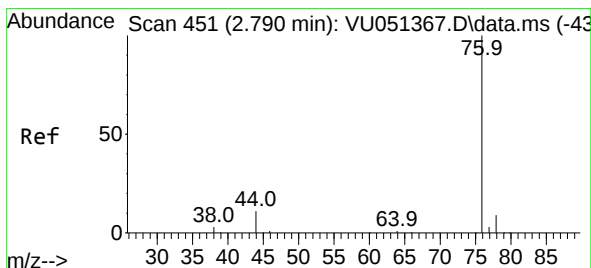
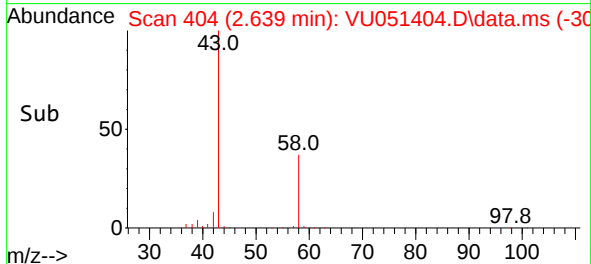
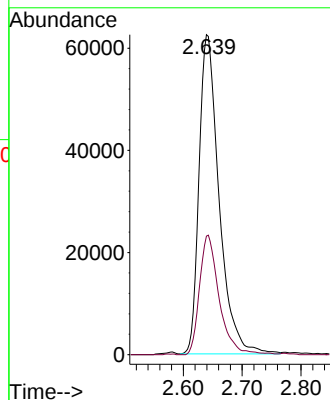
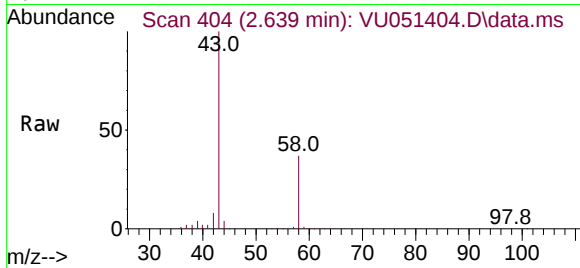
VSTD005179

Tgt Ion: 43 Resp: 147816

Ion Ratio Lower Upper

43 100

58 36.6 0.0 68.8



#14

Carbon disulfide

Concen: 5.236 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051404.D

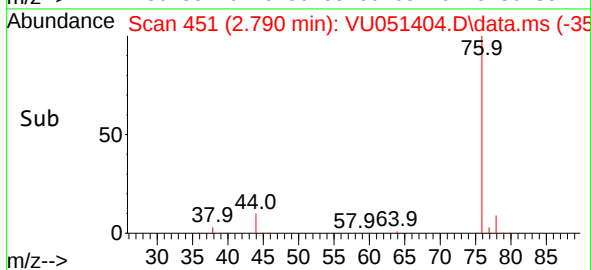
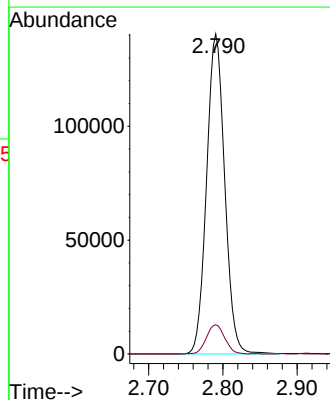
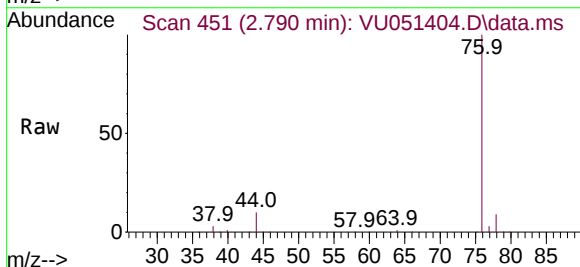
Acq: 13 Oct 2022 10:39

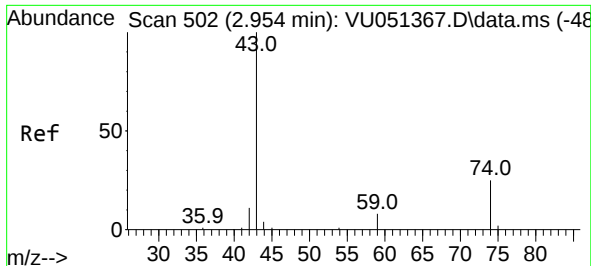
Tgt Ion: 76 Resp: 237689

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

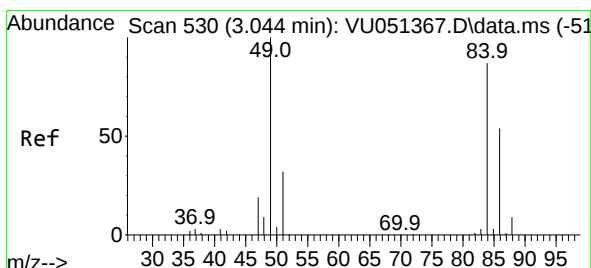
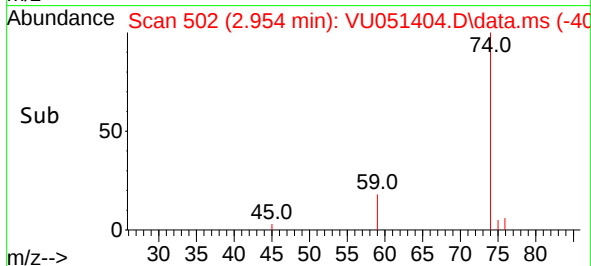
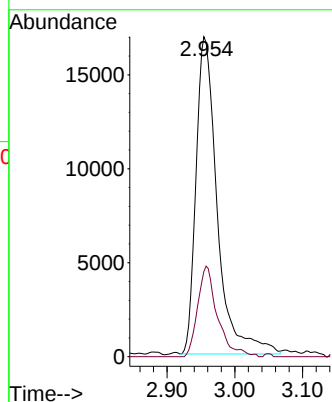
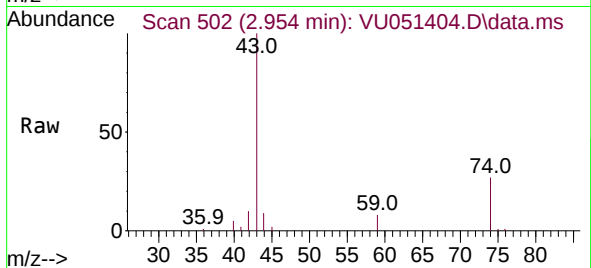




#15
Methyl Acetate
Concen: 5.593 ug/L
RT: 2.954 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

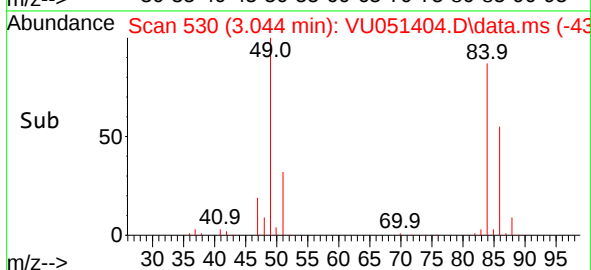
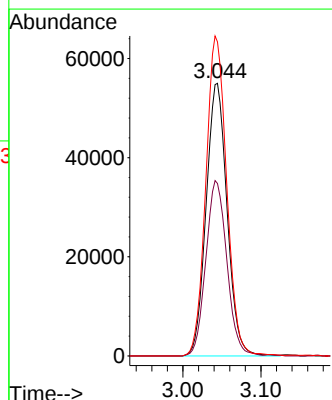
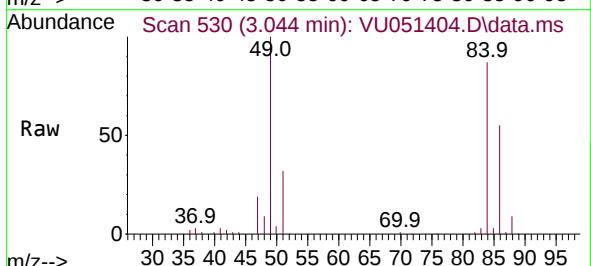
Instrument :
MSVOA_U
ClientSampleId :
VSTD005179

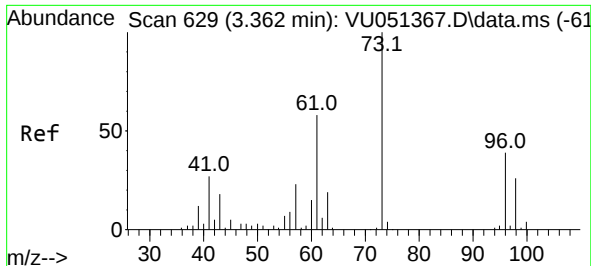
Tgt Ion: 43 Resp: 36807
Ion Ratio Lower Upper
43 100
74 26.5 20.0 30.0



#16
Methylene chloride
Concen: 4.692 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

Tgt Ion: 84 Resp: 102690
Ion Ratio Lower Upper
84 100
86 63.3 46.5 86.3
49 115.2 81.3 151.1





#17

Methyl tert-butyl Ether

Concen: 5.044 ug/L

RT: 3.363 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU051404.D

Acq: 13 Oct 2022 10:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005179

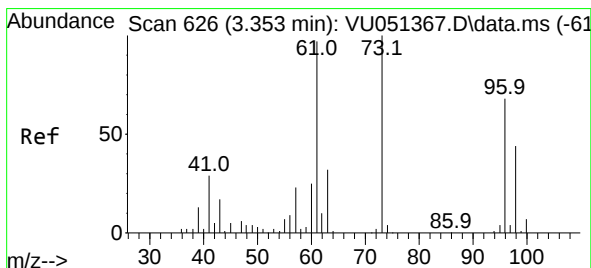
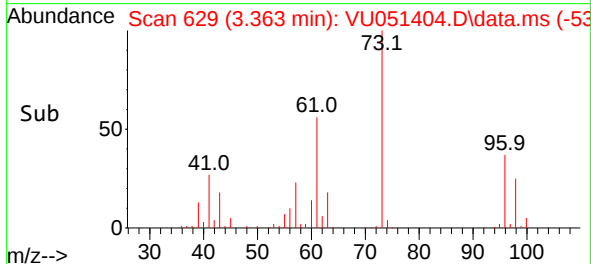
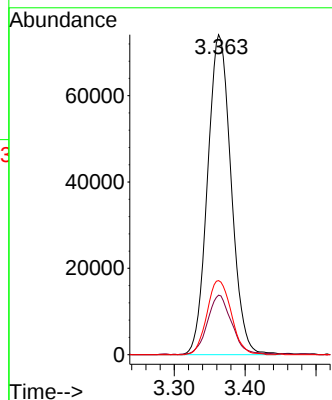
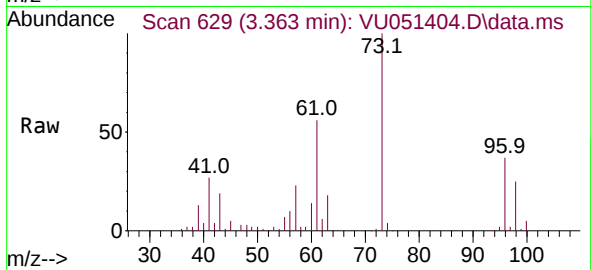
Tgt Ion: 73 Resp: 171269

Ion Ratio Lower Upper

73 100

43 19.3 15.4 23.0

57 23.9 18.9 28.3



#18

trans-1,2-Dichloroethene

Concen: 5.285 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.003 min

Lab File: VU051404.D

Acq: 13 Oct 2022 10:39

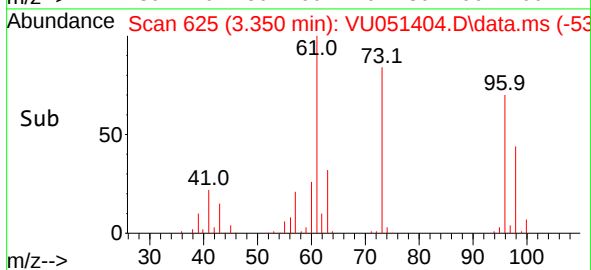
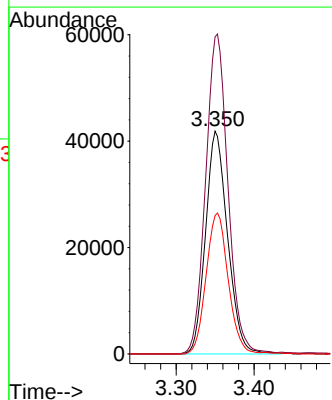
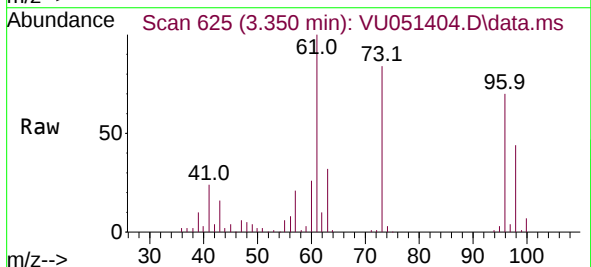
Tgt Ion: 96 Resp: 82409

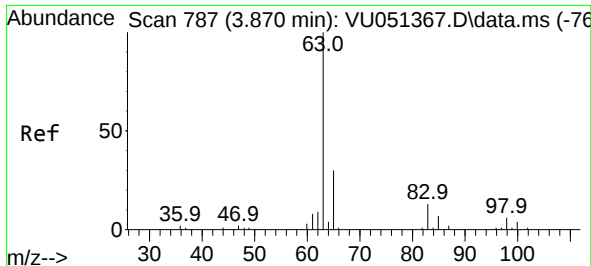
Ion Ratio Lower Upper

96 100

61 142.5 101.4 188.2

98 62.2 44.9 83.5





#19

1,1-Dichloroethane

Concen: 5.593 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU051404.D

Acq: 13 Oct 2022 10:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005179

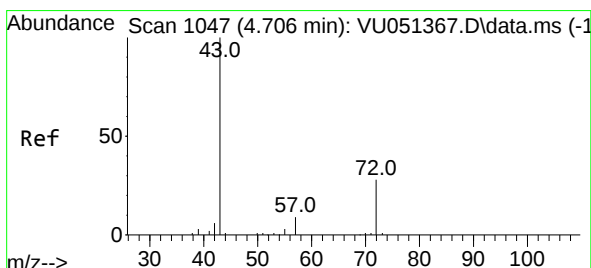
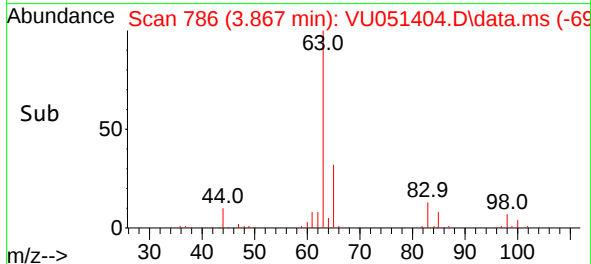
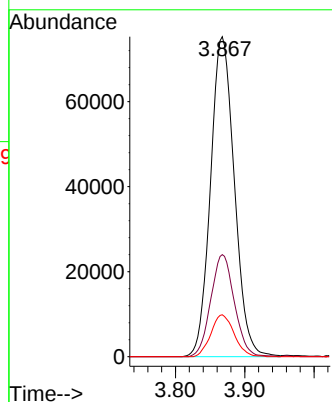
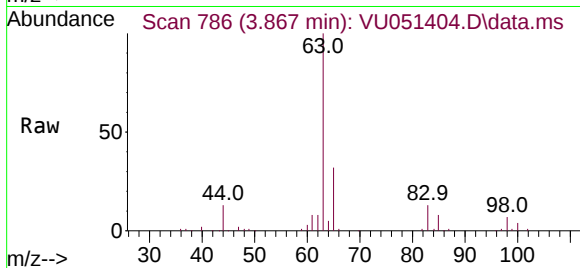
Tgt Ion: 63 Resp: 179963

Ion Ratio Lower Upper

63 100

65 31.9 22.0 41.0

83 13.1 9.0 16.6



#21

2-Butanone

Concen: 53.025 ug/L

RT: 4.710 min Scan# 1048

Delta R.T. 0.007 min

Lab File: VU051404.D

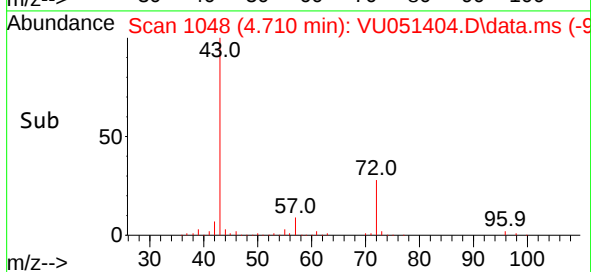
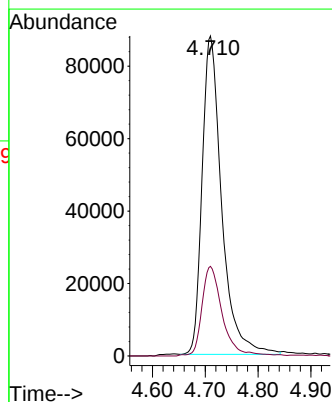
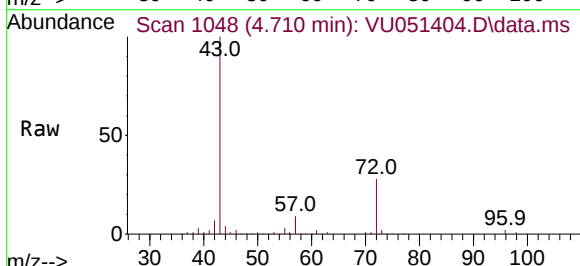
Acq: 13 Oct 2022 10:39

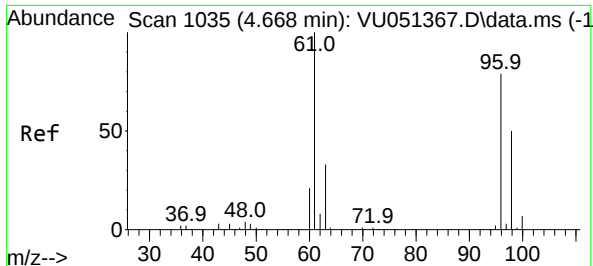
Tgt Ion: 43 Resp: 226241

Ion Ratio Lower Upper

43 100

72 28.3 13.8 41.4



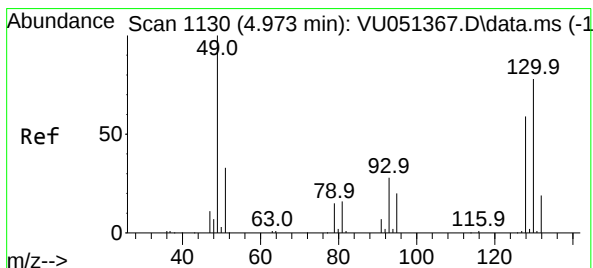
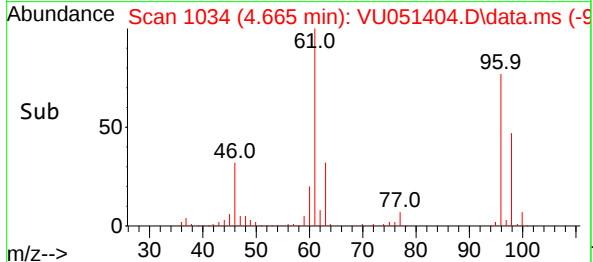
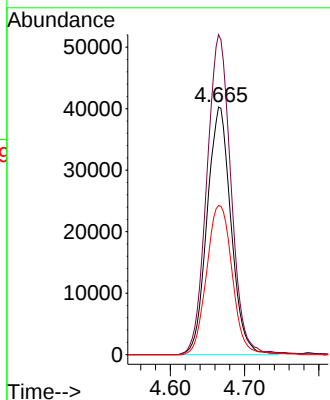
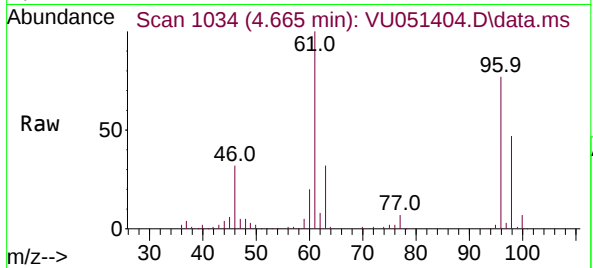


#22
 cis-1,2-Dichloroethene
 Concen: 5.226 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU051404.D
 Acq: 13 Oct 2022 10:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005179

Tgt Ion: 96 Resp: 90259

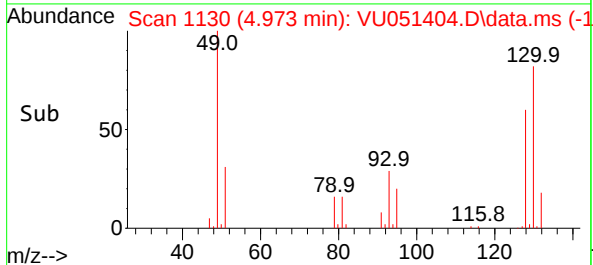
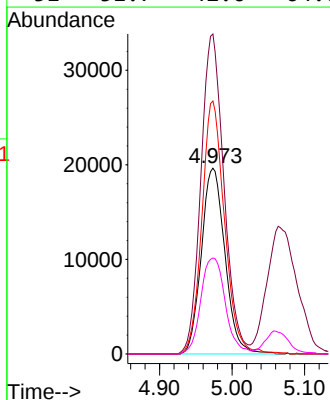
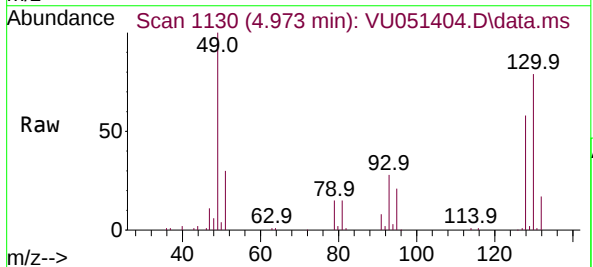
Ion	Ratio	Lower	Upper
96	100		
61	129.2	90.6	168.2
98	60.3	47.5	88.3

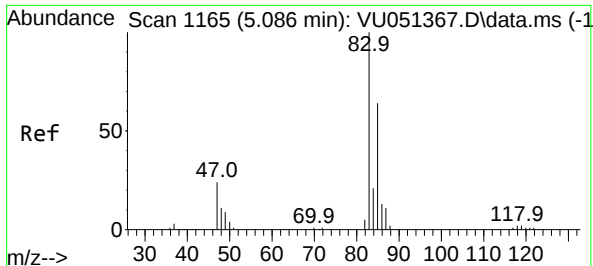


#23
 Bromochloromethane
 Concen: 5.389 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VU051404.D
 Acq: 13 Oct 2022 10:39

Tgt Ion: 128 Resp: 44411

Ion	Ratio	Lower	Upper
128	100		
49	172.3	118.0	219.2
130	136.2	88.8	164.8
51	51.7	42.6	64.0





#25

Chloroform

Concen: 5.536 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051404.D

Acq: 13 Oct 2022 10:39

Instrument :

MSVOA_U

ClientSampleId :

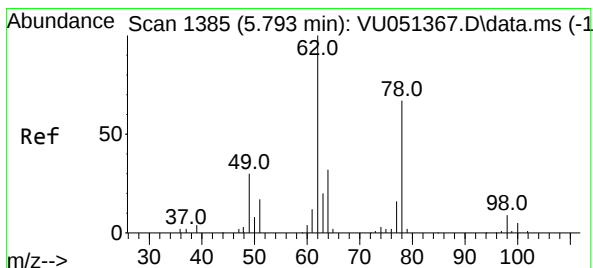
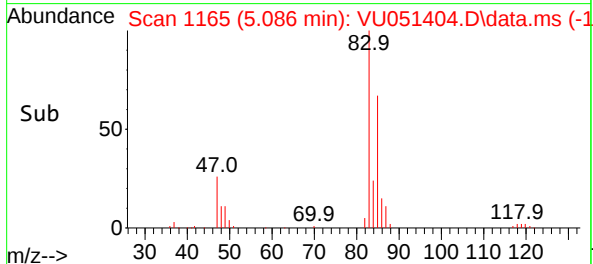
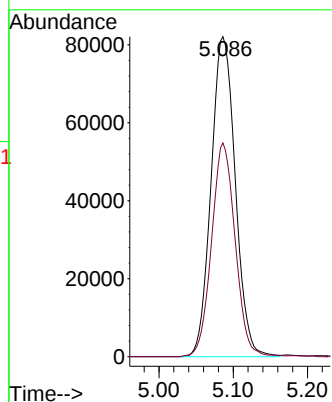
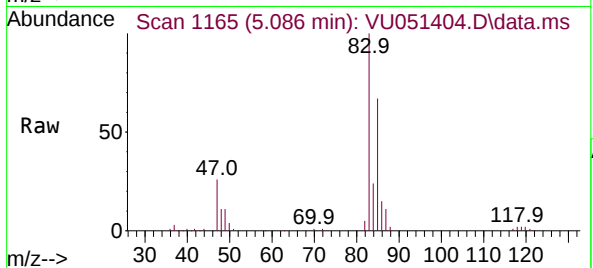
VSTD005179

Tgt Ion: 83 Resp: 186064

Ion Ratio Lower Upper

83 100

85 66.8 45.6 84.6



#27

1,2-Dichloroethane

Concen: 5.536 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU051404.D

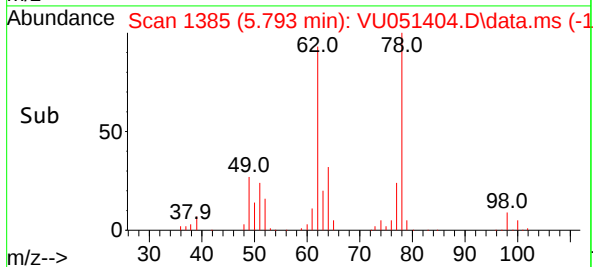
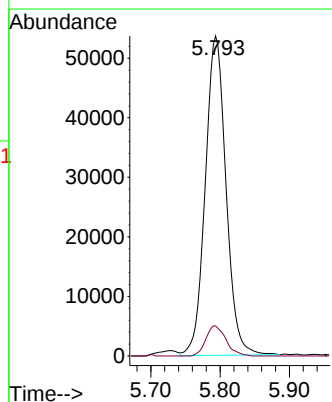
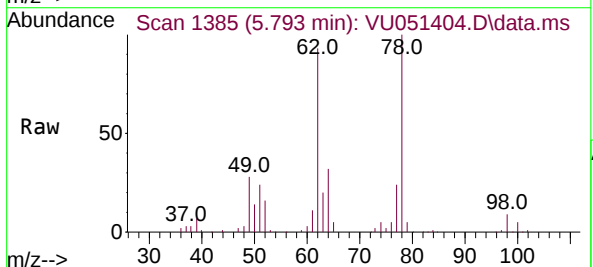
Acq: 13 Oct 2022 10:39

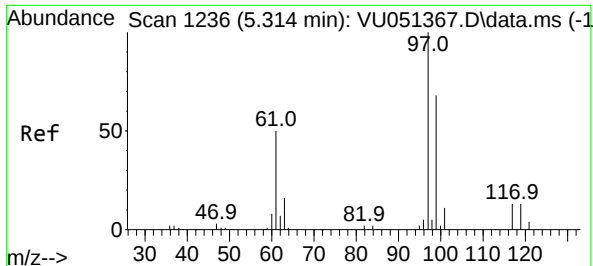
Tgt Ion: 62 Resp: 111452

Ion Ratio Lower Upper

62 100

98 9.4 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 5.717 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU051404.D

Acq: 13 Oct 2022 10:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005179

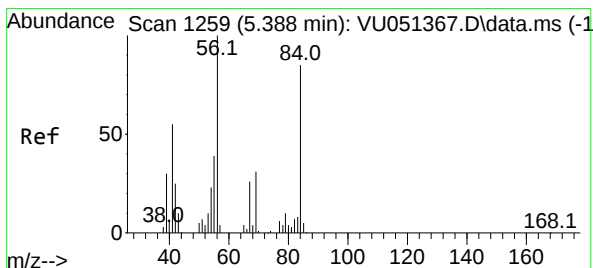
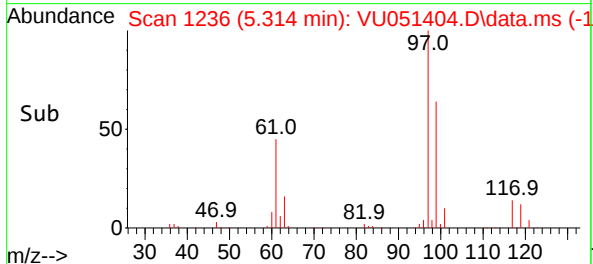
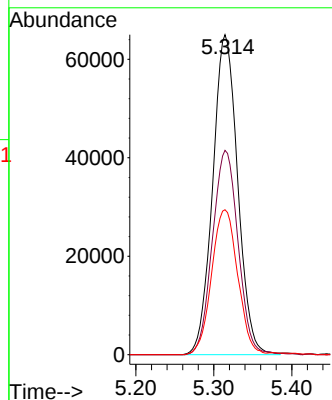
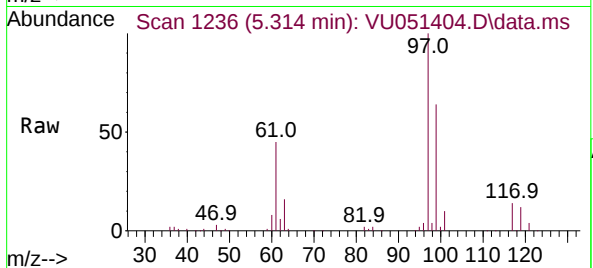
Tgt Ion: 97 Resp: 145108

Ion Ratio Lower Upper

97 100

99 65.6 50.2 75.4

61 47.3 38.7 58.1



#30

Cyclohexane

Concen: 5.148 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU051404.D

Acq: 13 Oct 2022 10:39

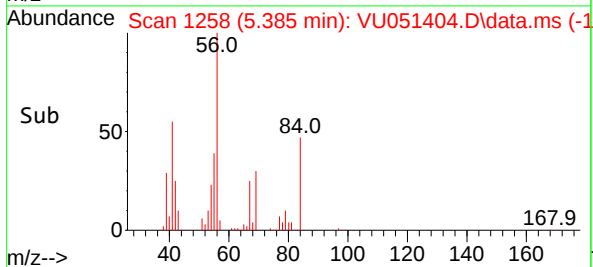
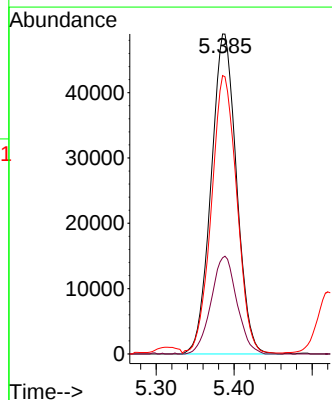
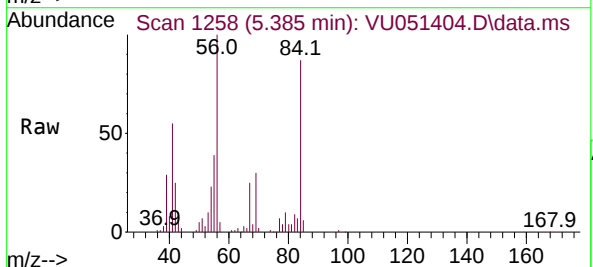
Tgt Ion: 56 Resp: 110831

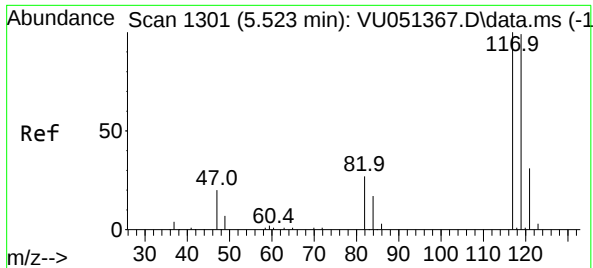
Ion Ratio Lower Upper

56 100

69 30.9 25.1 37.7

84 87.0 70.9 106.3

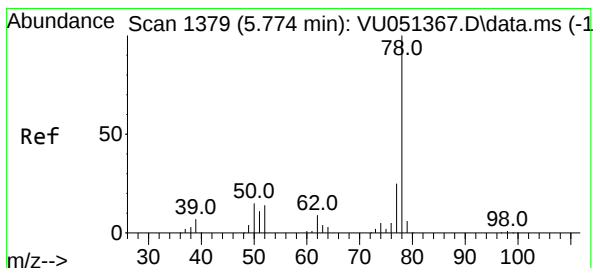
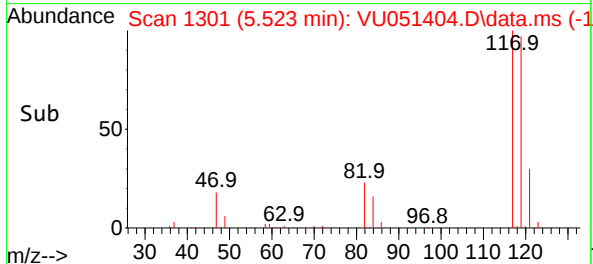
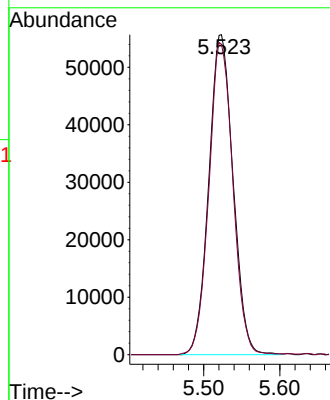
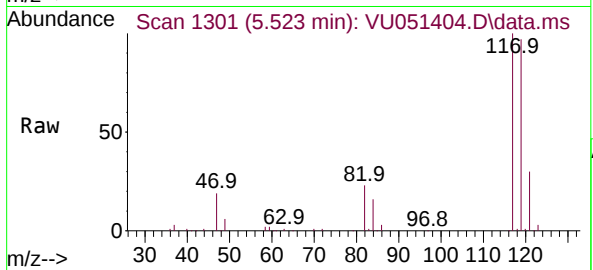




#31
Carbon tetrachloride
Concen: 5.754 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

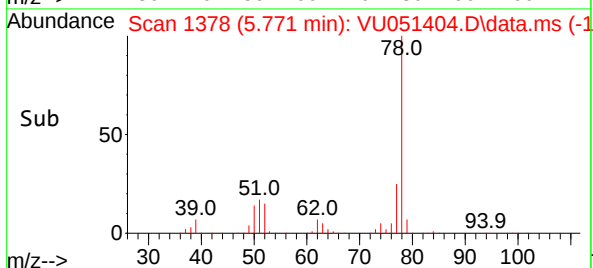
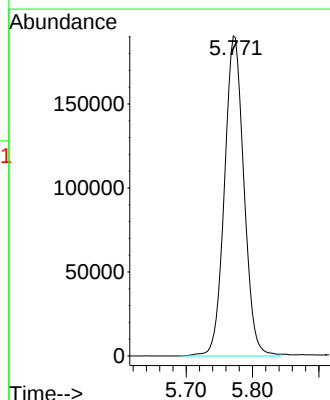
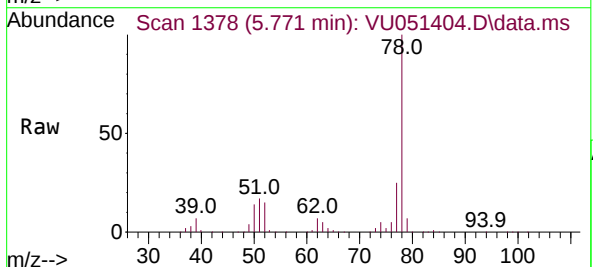
Instrument :
MSVOA_U
ClientSampleId :
VSTD005179

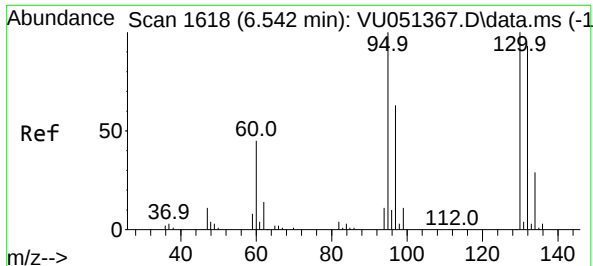
Tgt Ion:117 Resp: 123569
Ion Ratio Lower Upper
117 100
119 96.1 78.4 117.6



#33
Benzene
Concen: 5.483 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

Tgt Ion: 78 Resp: 387730

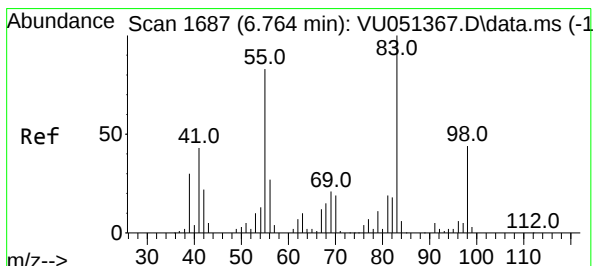
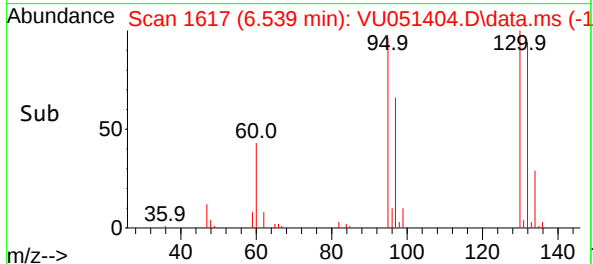
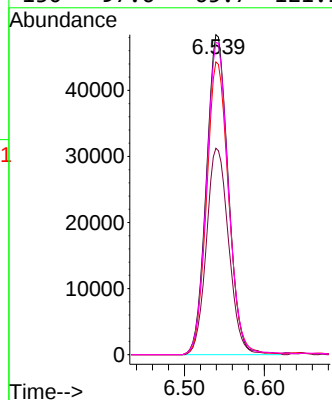
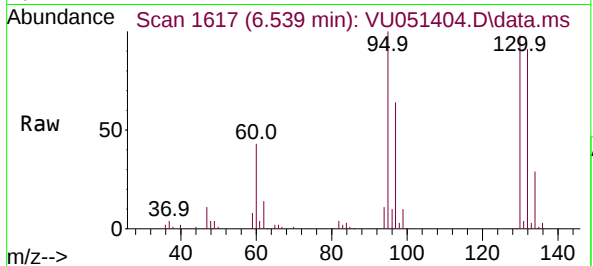




#34
Trichloroethene
Concen: 5.217 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

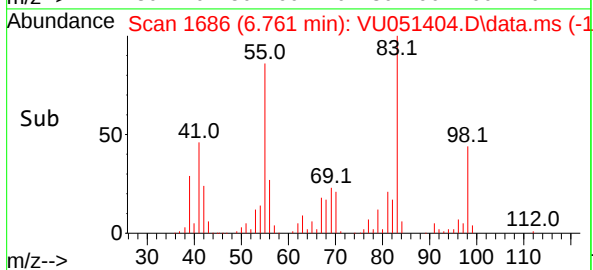
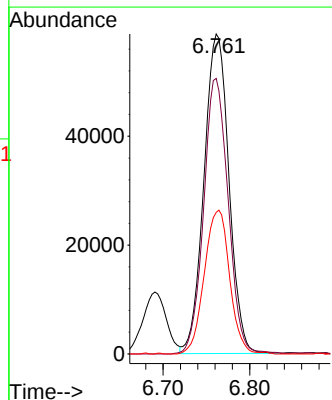
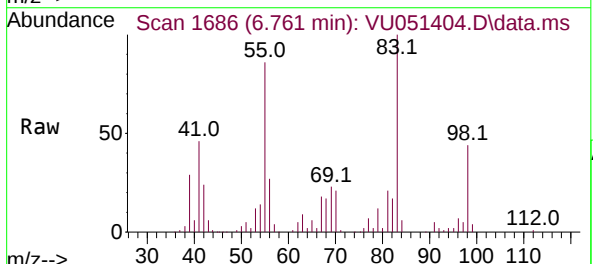
Instrument :
MSVOA_U
ClientSampleId :
VSTD005179

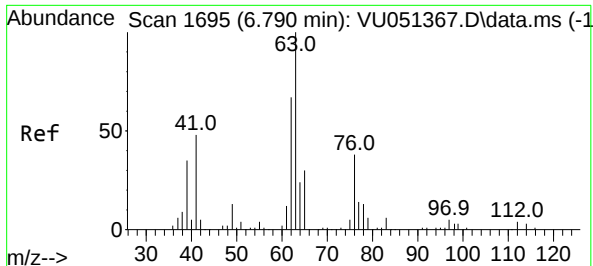
Tgt Ion: 95 Resp: 92024
Ion Ratio Lower Upper
95 100
97 64.5 45.4 84.2
132 91.5 63.1 117.3
130 97.6 65.7 121.9



#35
Methylcyclohexane
Concen: 5.286 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

Tgt Ion: 83 Resp: 117660
Ion Ratio Lower Upper
83 100
55 84.9 65.8 98.6
98 45.6 35.9 53.9

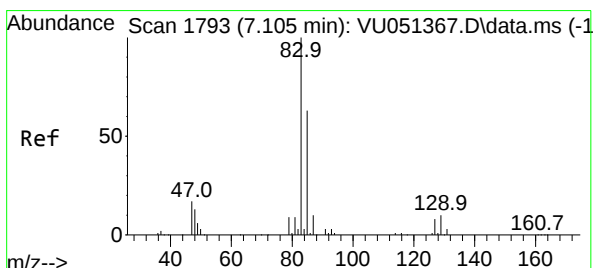
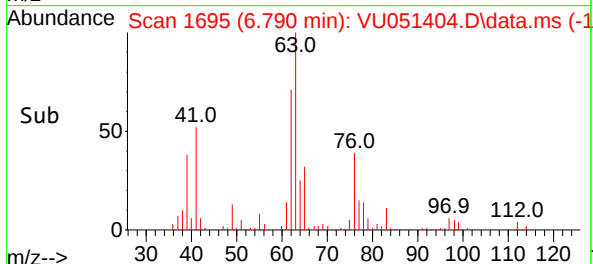
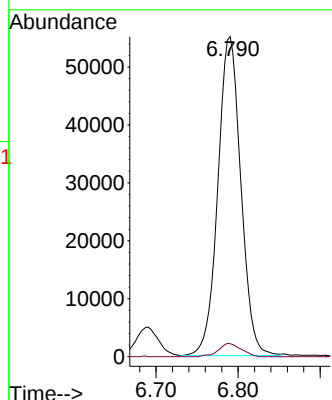
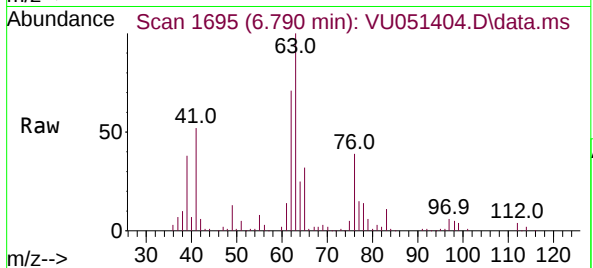




#37
1,2-Dichloropropane
Concen: 5.539 ug/L
RT: 6.790 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

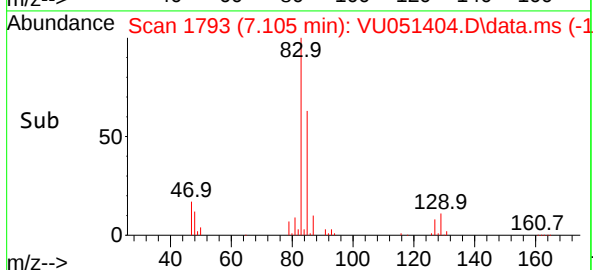
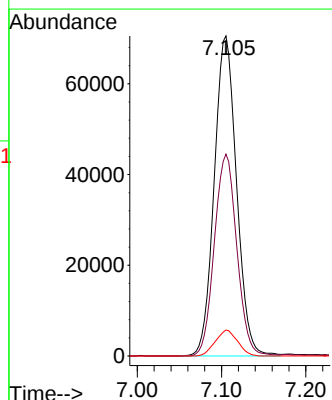
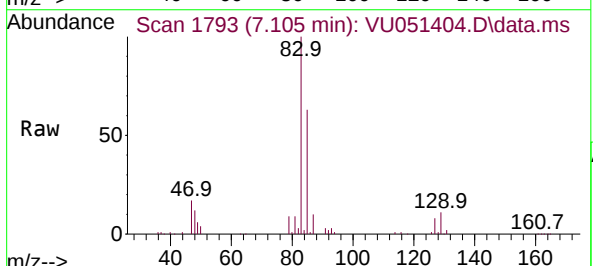
Instrument :
MSVOA_U
ClientSampleId :
VSTD005179

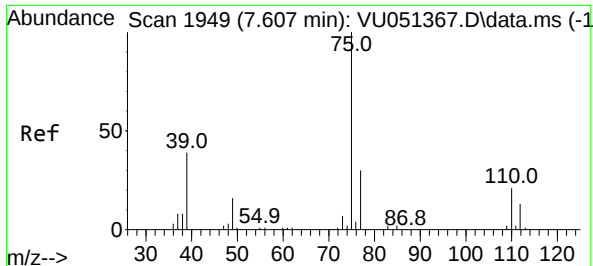
Tgt Ion: 63 Resp: 107356
Ion Ratio Lower Upper
63 100
112 4.1 3.2 4.8



#38
Bromodichloromethane
Concen: 5.621 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

Tgt Ion: 83 Resp: 129961
Ion Ratio Lower Upper
83 100
85 63.0 44.8 83.2
127 8.1 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.320 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU051404.D

Acq: 13 Oct 2022 10:39

Instrument :

MSVOA_U

ClientSampleId :

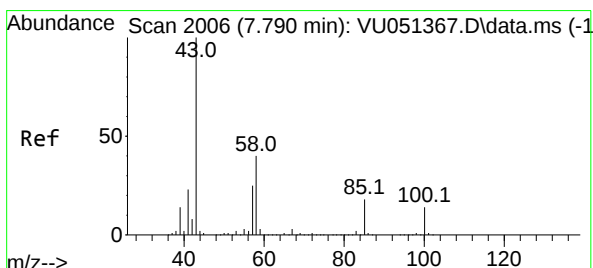
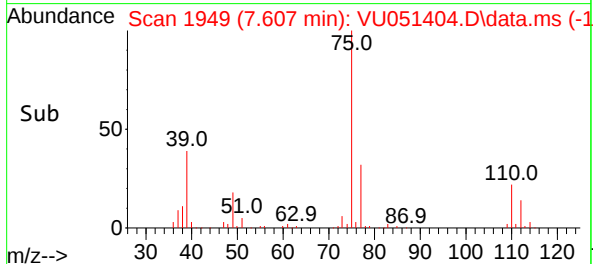
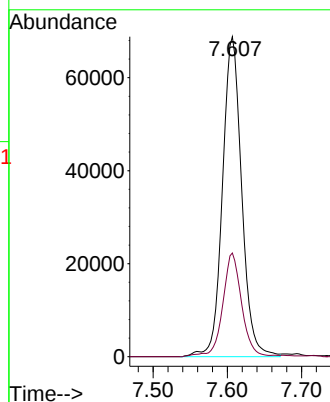
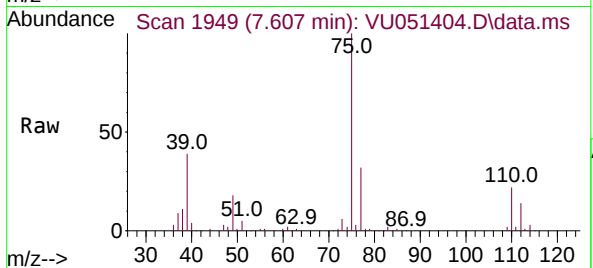
VSTD005179

Tgt Ion: 75 Resp: 123930

Ion Ratio Lower Upper

75 100

77 32.4 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 53.338 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU051404.D

Acq: 13 Oct 2022 10:39

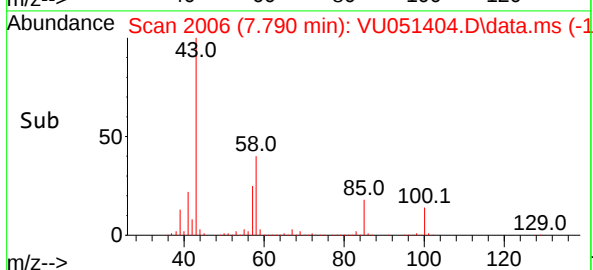
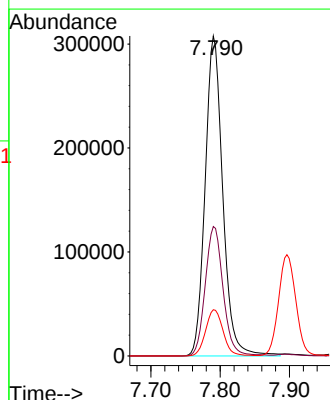
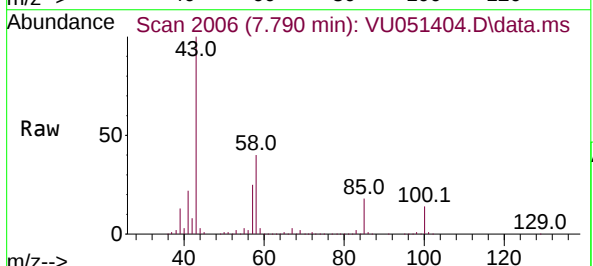
Tgt Ion: 43 Resp: 542385

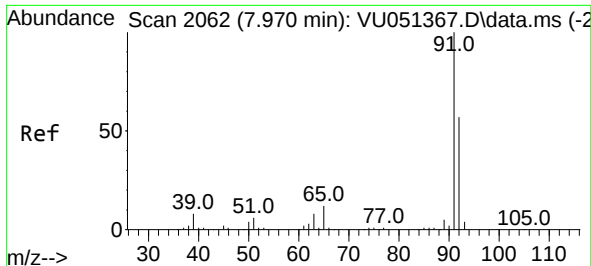
Ion Ratio Lower Upper

43 100

58 41.1 33.0 49.6

100 14.4 11.8 17.6





#42

Toluene

Concen: 5.341 ug/L

RT: 7.967 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU051404.D

Acq: 13 Oct 2022 10:39

Instrument :

MSVOA_U

ClientSampleId :

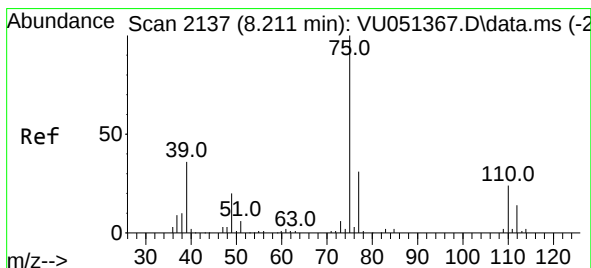
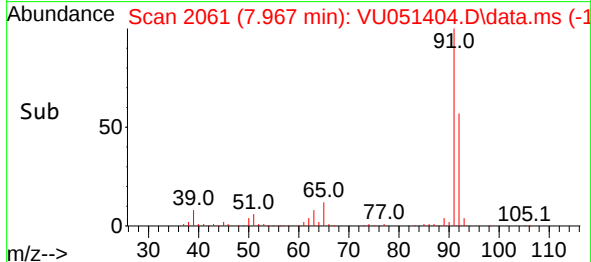
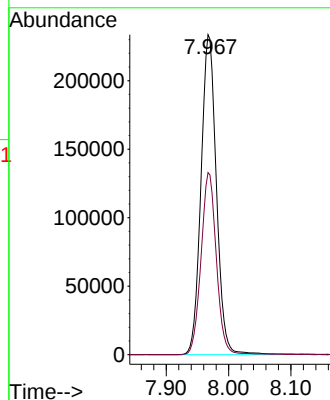
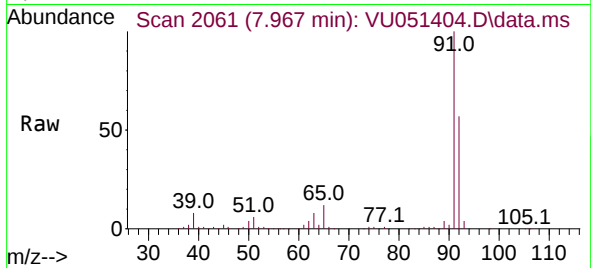
VSTD005179

Tgt Ion: 91 Resp: 400868

Ion Ratio Lower Upper

91 100

92 56.9 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 5.548 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU051404.D

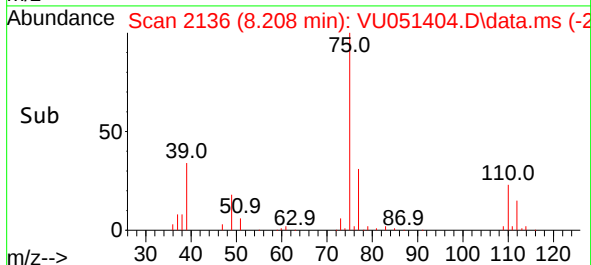
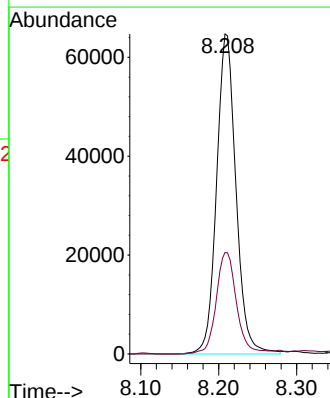
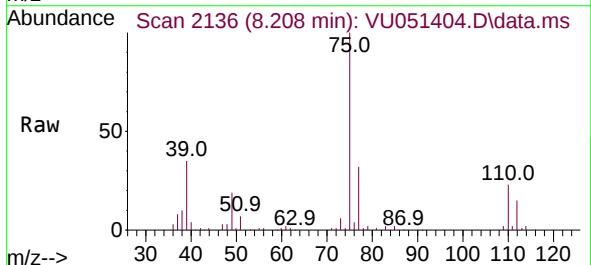
Acq: 13 Oct 2022 10:39

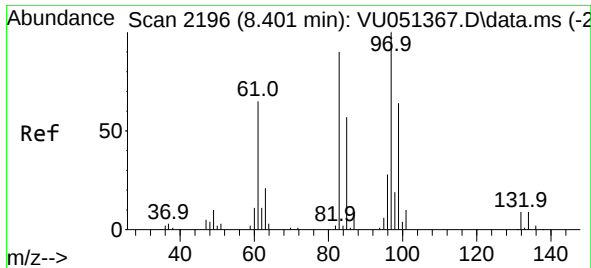
Tgt Ion: 75 Resp: 111771

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6

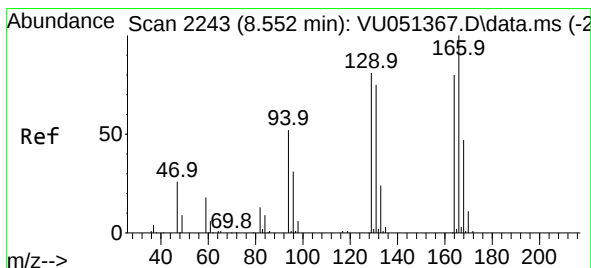
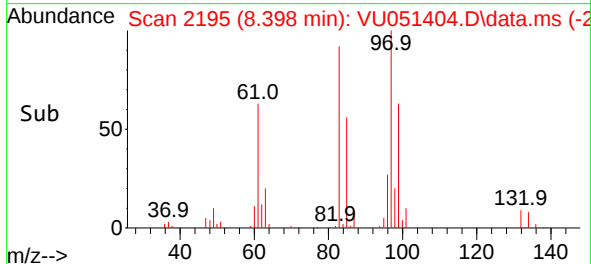
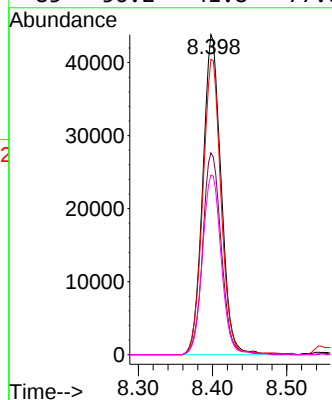
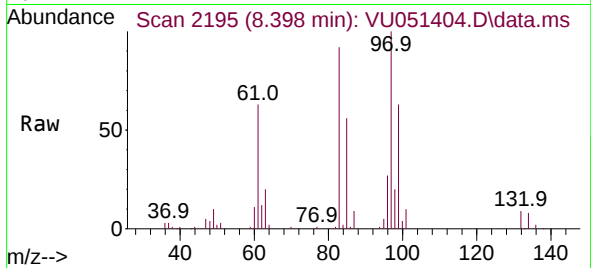




#45
1,1,2-Trichloroethane
Concen: 5.521 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

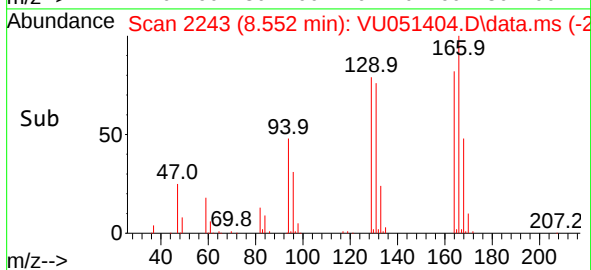
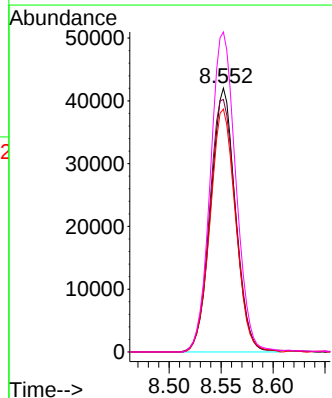
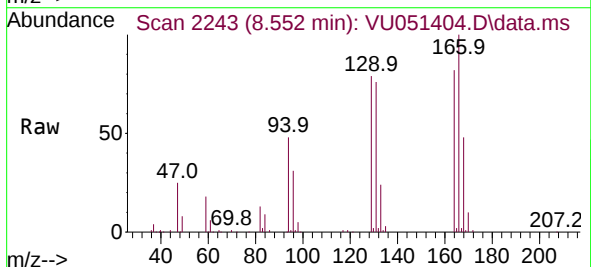
Instrument :
MSVOA_U
ClientSampleId :
VSTD005179

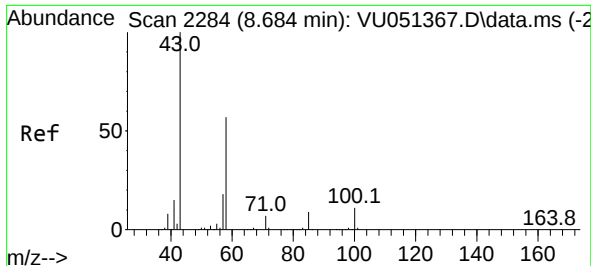
Tgt Ion:	97	Resp:	75127
Ion	Ratio	Lower	Upper
97	100		
99	63.1	45.3	84.1
83	92.3	63.1	117.1
85	56.2	41.8	77.6



#47
Tetrachloroethene
Concen: 5.343 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

Tgt Ion:	164	Resp:	69305
Ion	Ratio	Lower	Upper
164	100		
129	95.7	71.3	132.3
131	92.1	66.9	124.3
166	121.3	90.9	168.7

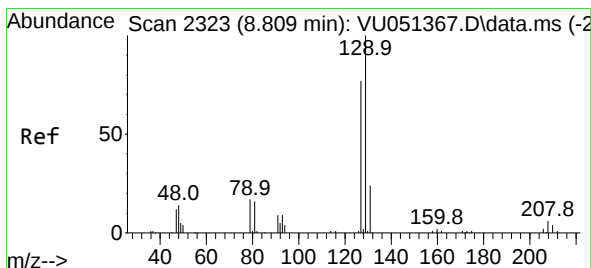
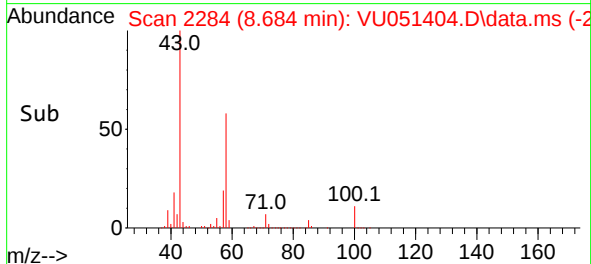
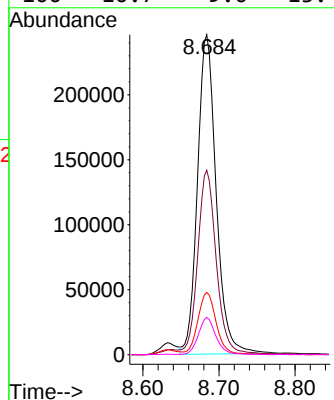
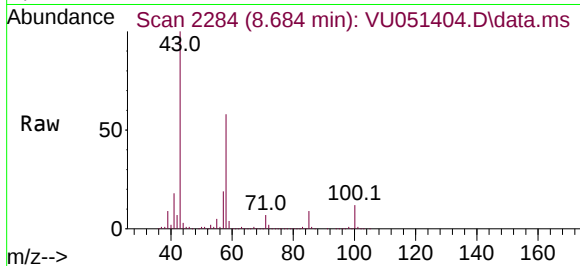




#48
2-Hexanone
Concen: 55.431 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

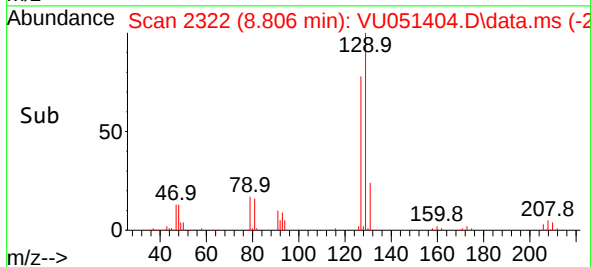
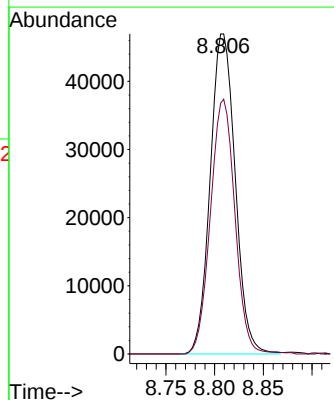
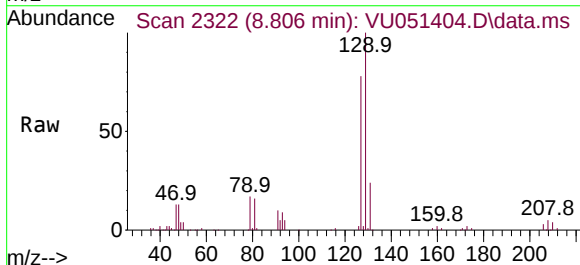
Instrument :
MSVOA_U
ClientSampleId :
VSTD005179

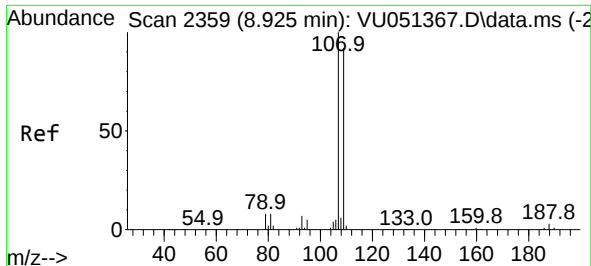
Tgt Ion: 43 Resp: 419694
Ion Ratio Lower Upper
43 100
58 57.9 48.2 72.2
57 19.0 15.5 23.3
100 10.7 9.0 13.4



#49
Dibromochloromethane
Concen: 5.481 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

Tgt Ion: 129 Resp: 83760
Ion Ratio Lower Upper
129 100
127 78.4 53.5 99.3





#50

1,2-Dibromoethane

Concen: 5.488 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051404.D

Acq: 13 Oct 2022 10:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005179

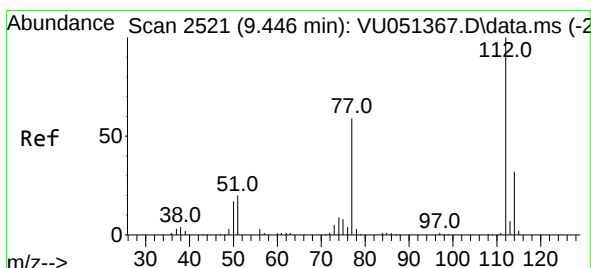
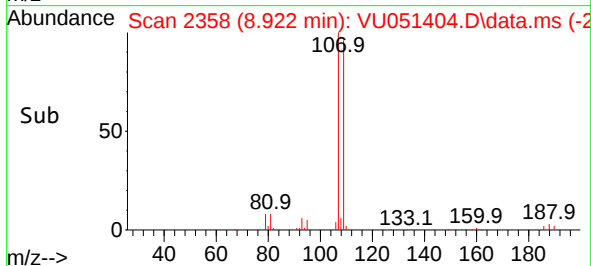
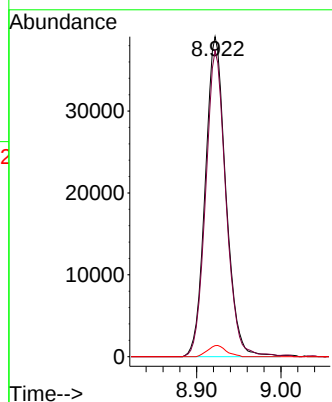
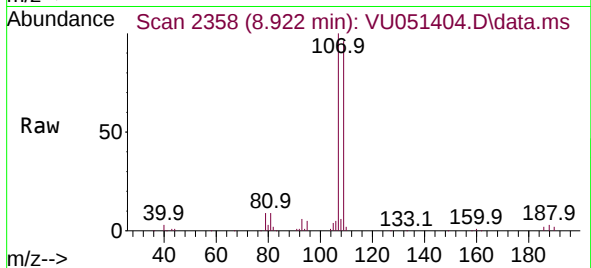
Tgt Ion:107 Resp: 66479

Ion Ratio Lower Upper

107 100

109 95.6 67.1 124.7

188 3.4 2.5 3.7



#51

Chlorobenzene

Concen: 5.353 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU051404.D

Acq: 13 Oct 2022 10:39

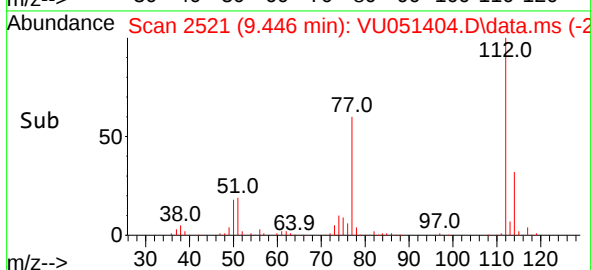
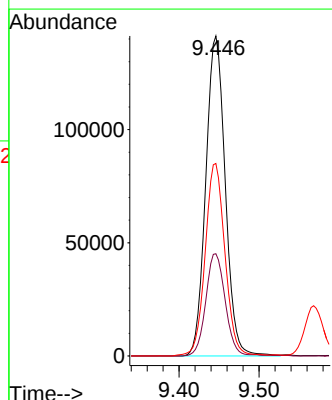
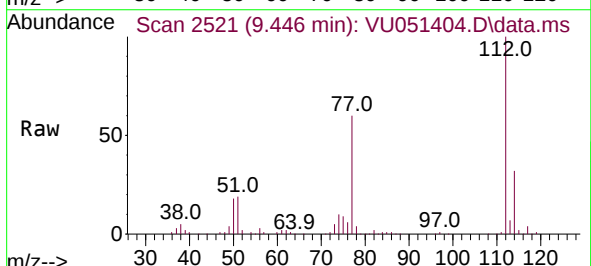
Tgt Ion:112 Resp: 240085

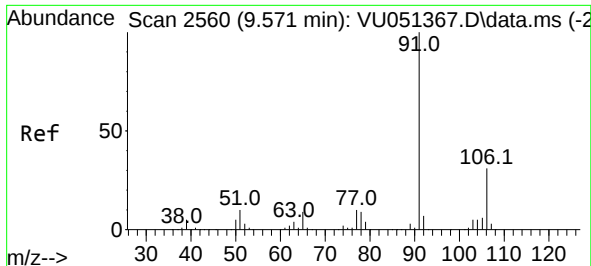
Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.5

77 60.2 48.1 72.1

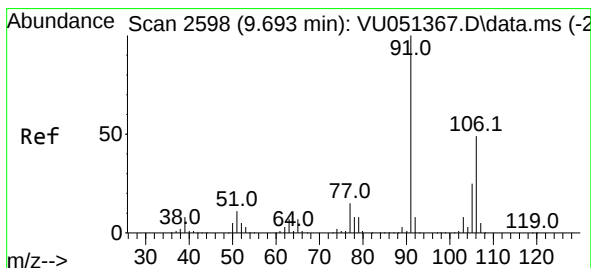
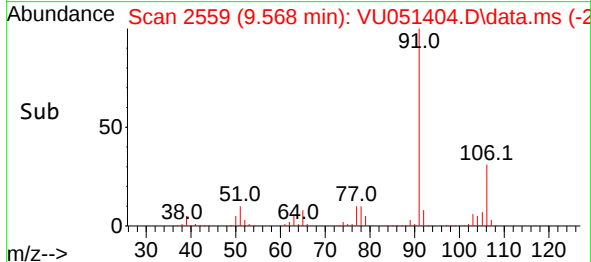
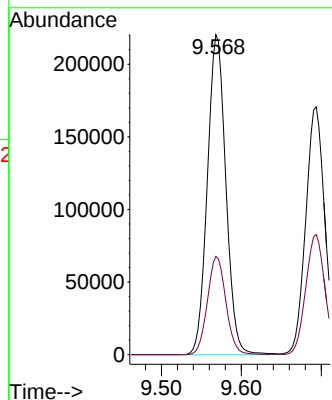
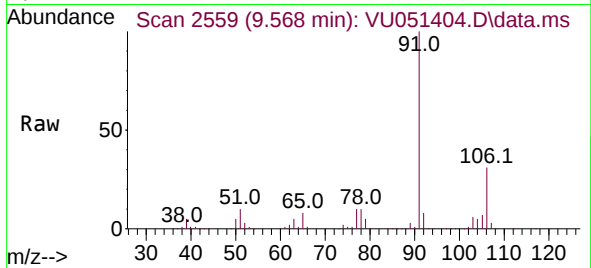




#52
Ethylbenzene
Concen: 5.259 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

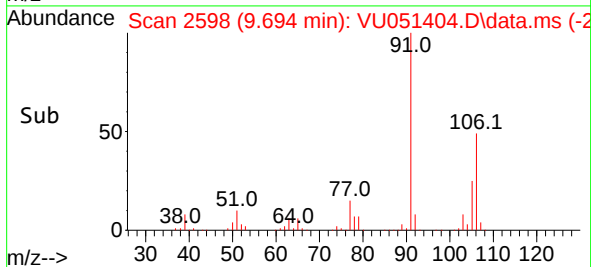
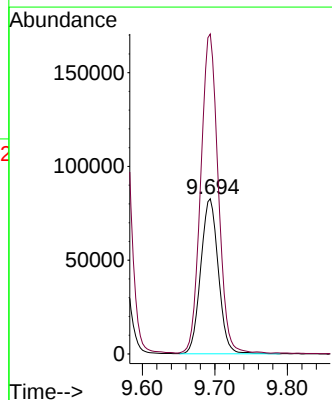
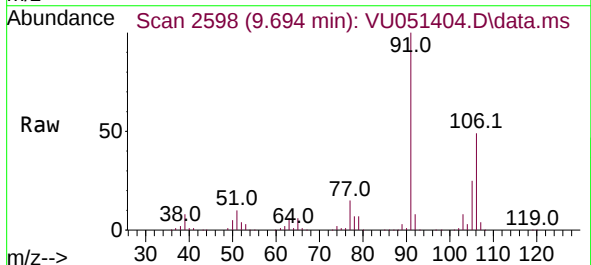
Instrument :
MSVOA_U
ClientSampleId :
VSTD005179

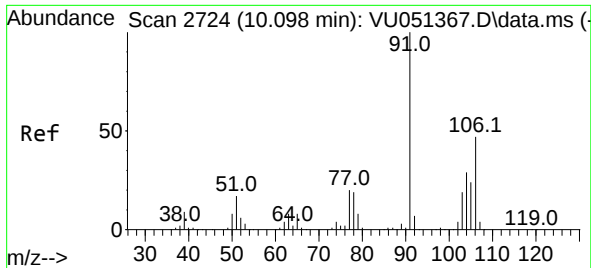
Tgt Ion: 91 Resp: 354719
Ion Ratio Lower Upper
91 100
106 30.7 20.9 38.7



#53
m,p-Xylene
Concen: 5.311 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

Tgt Ion: 106 Resp: 138941
Ion Ratio Lower Upper
106 100
91 206.1 143.9 267.3

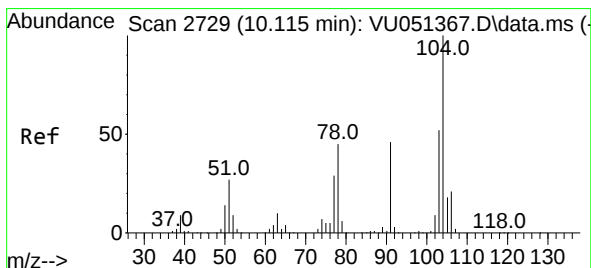
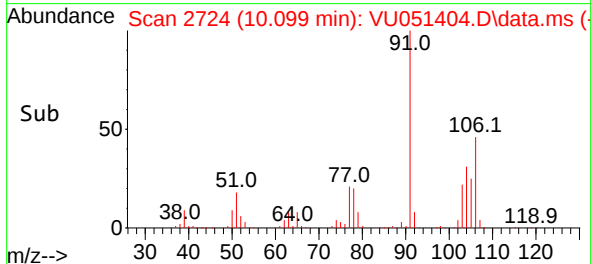
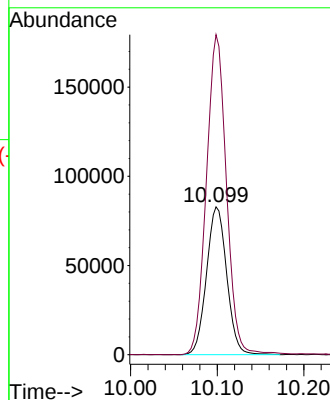
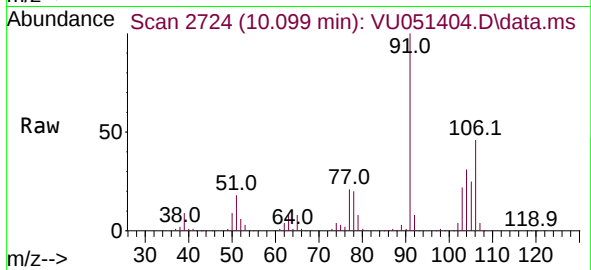




#54
o-Xylene
Concen: 5.433 ug/L
RT: 10.099 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

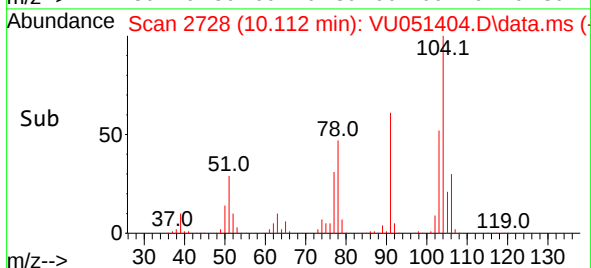
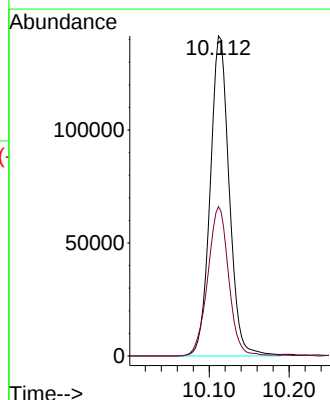
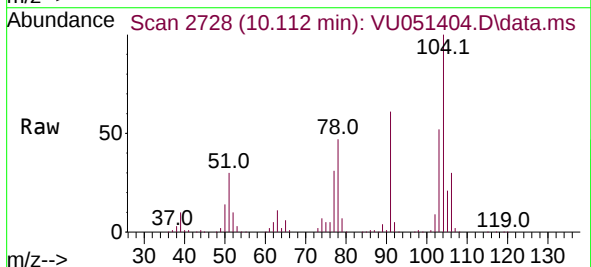
Instrument :
MSVOA_U
ClientSampleId :
VSTD005179

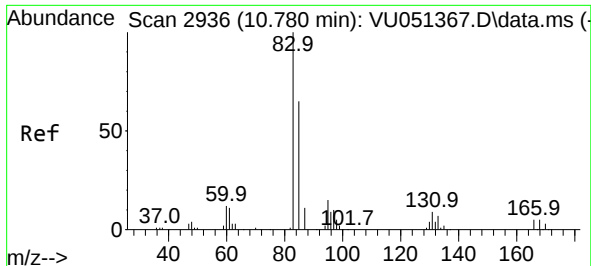
Tgt Ion:106 Resp: 134489
Ion Ratio Lower Upper
106 100
91 216.4 154.4 286.8



#55
Styrene
Concen: 5.505 ug/L
RT: 10.112 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

Tgt Ion:104 Resp: 234557
Ion Ratio Lower Upper
104 100
78 46.6 32.1 59.7





#57

1,1,2-Tetrachloroethane

Concen: 5.516 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU051404.D

Acq: 13 Oct 2022 10:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005179

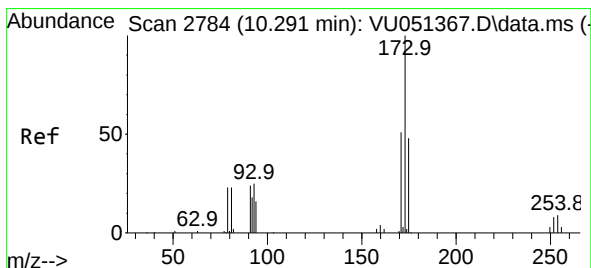
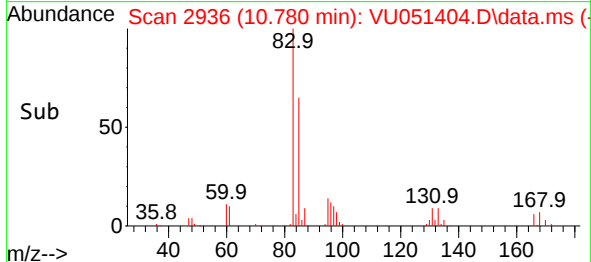
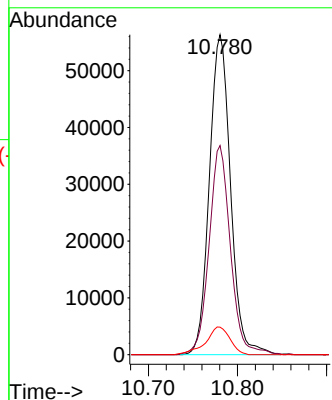
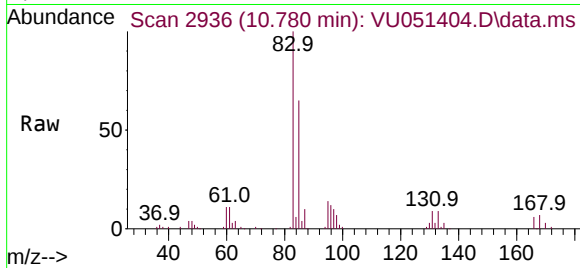
Tgt Ion: 83 Resp: 92924

Ion Ratio Lower Upper

83 100

85 65.4 45.9 85.3

131 8.6 7.4 11.2



#59

Bromoform

Concen: 5.175 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.000 min

Lab File: VU051404.D

Acq: 13 Oct 2022 10:39

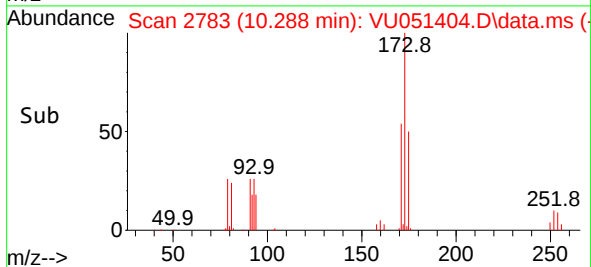
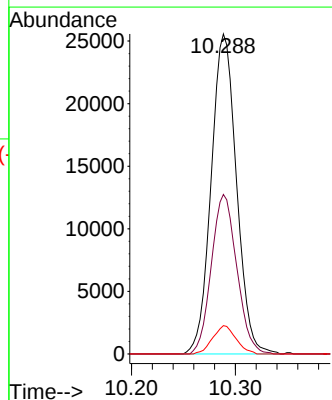
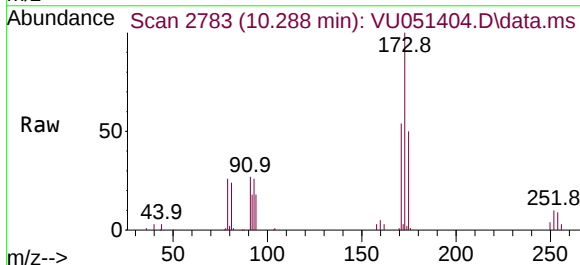
Tgt Ion:173 Resp: 43290

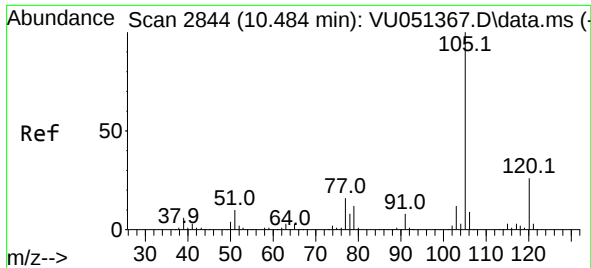
Ion Ratio Lower Upper

173 100

175 50.0 39.0 58.4

254 8.1 7.5 11.3

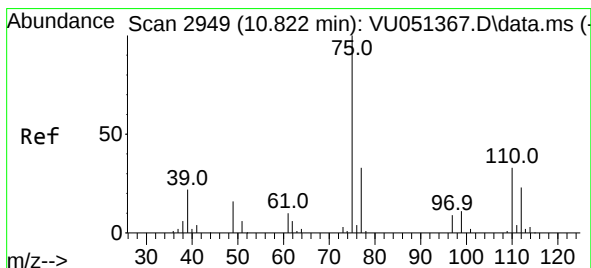
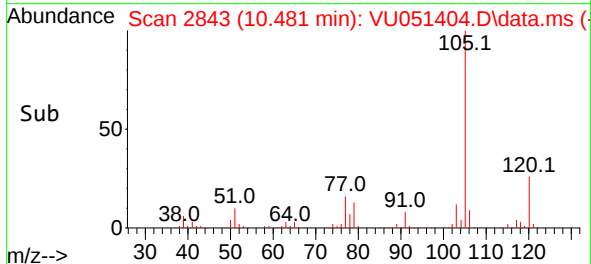
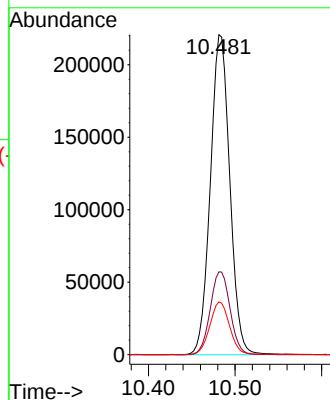
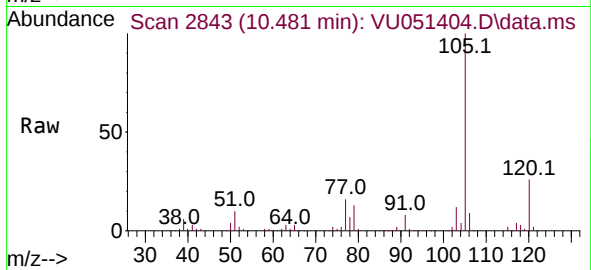




#60
Isopropylbenzene
Concen: 5.403 ug/L
RT: 10.481 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

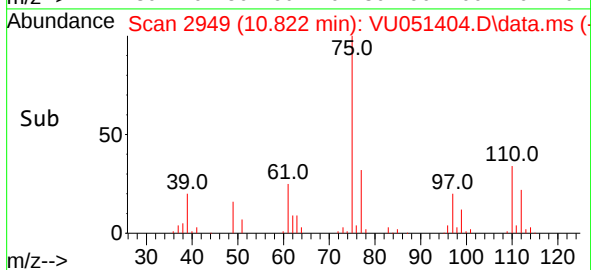
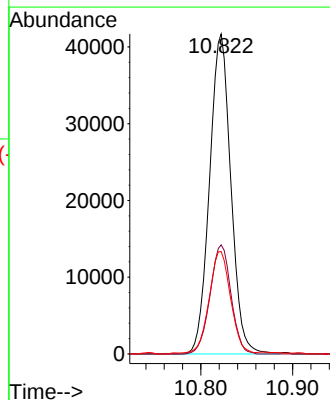
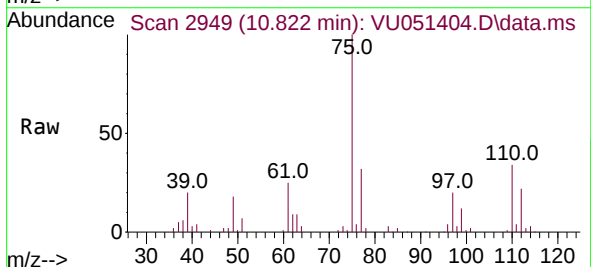
Instrument :
MSVOA_U
ClientSampleId :
VSTD005179

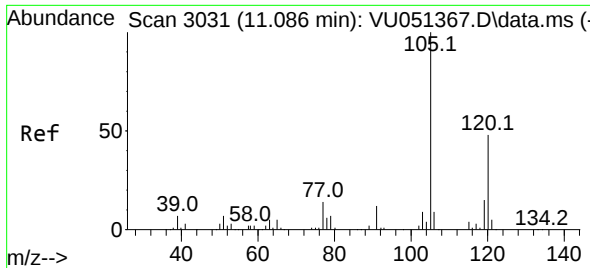
Tgt Ion:105 Resp: 344082
Ion Ratio Lower Upper
105 100
120 26.5 20.6 30.8
77 16.8 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 5.305 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

Tgt Ion: 75 Resp: 67362
Ion Ratio Lower Upper
75 100
110 33.5 27.0 40.6
77 32.7 26.4 39.6

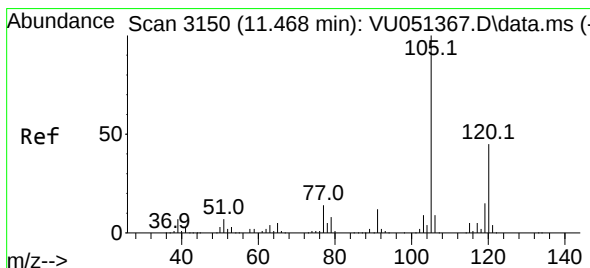
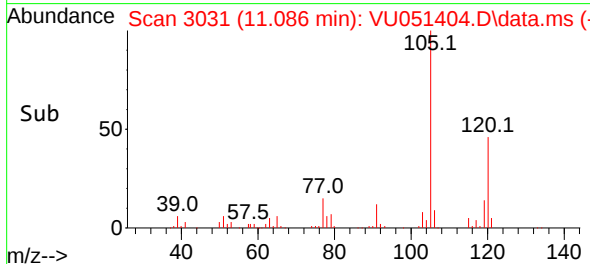
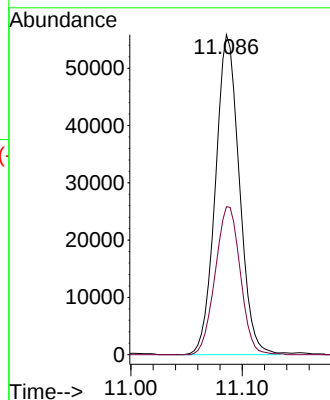
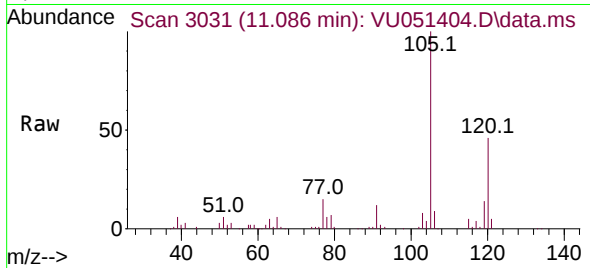




#62
 1,3,5-Trimethylbenzene
 Concen: 4.936 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.003 min
 Lab File: VU051404.D
 Acq: 13 Oct 2022 10:39

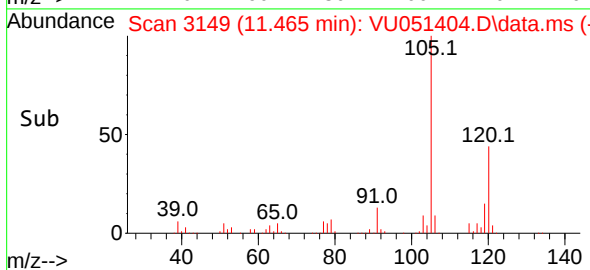
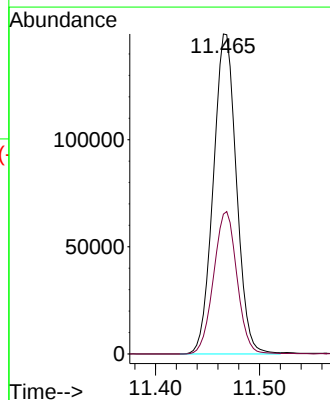
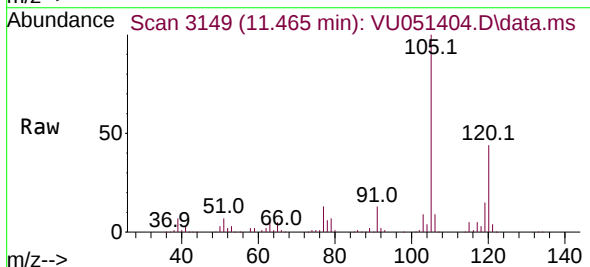
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005179

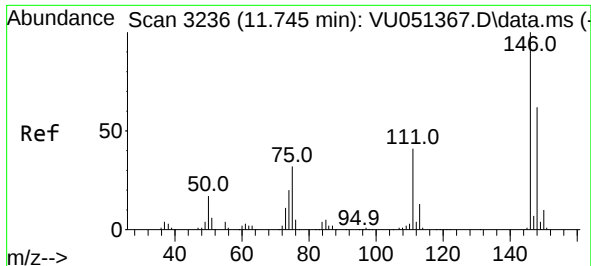
Tgt Ion:105 Resp: 83394
 Ion Ratio Lower Upper
 105 100
 120 48.5 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 4.832 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.003 min
 Lab File: VU051404.D
 Acq: 13 Oct 2022 10:39

Tgt Ion:105 Resp: 230873
 Ion Ratio Lower Upper
 105 100
 120 44.9 35.6 53.4

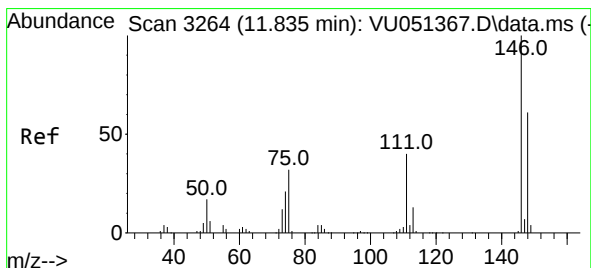
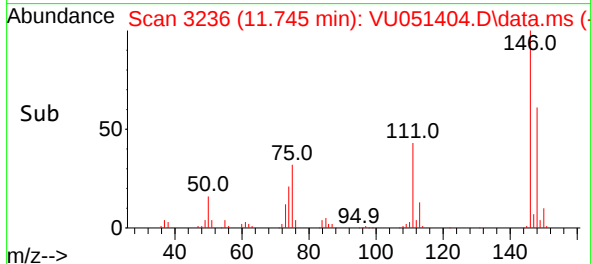
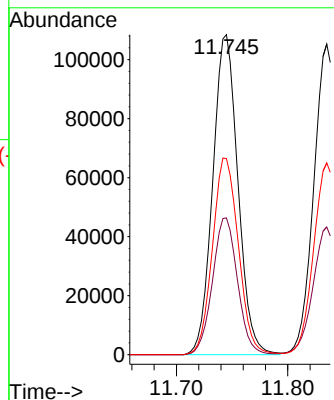
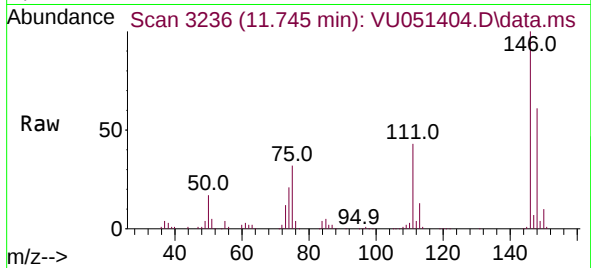




#64
1,3-Dichlorobenzene
Concen: 5.409 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.000 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

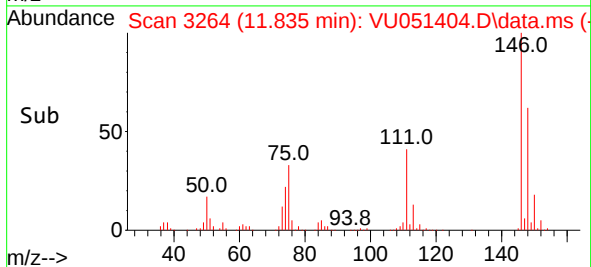
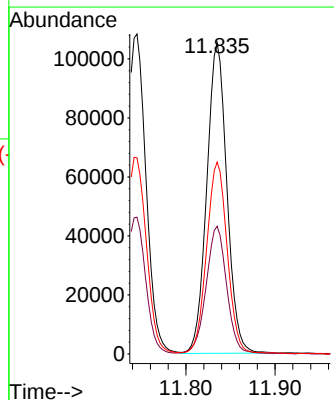
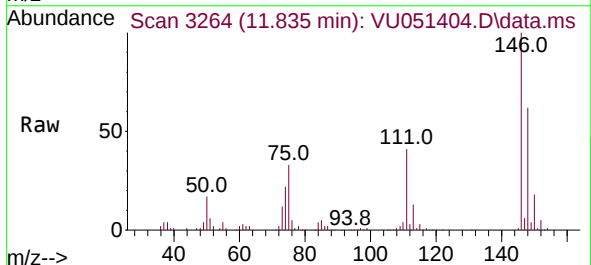
Instrument :
MSVOA_U
ClientSampleId :
VSTD005179

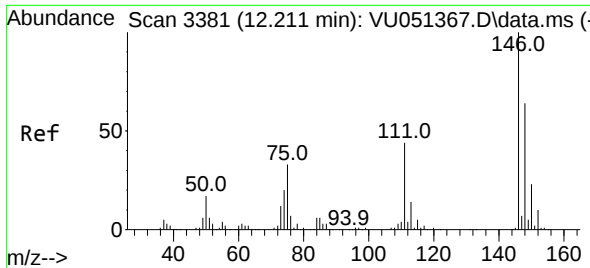
Tgt Ion:146 Resp: 170417
Ion Ratio Lower Upper
146 100
111 42.7 28.3 52.7
148 61.3 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 5.313 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

Tgt Ion:146 Resp: 164974
Ion Ratio Lower Upper
146 100
111 41.1 29.1 54.1
148 61.7 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 5.383 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU051404.D

Acq: 13 Oct 2022 10:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005179

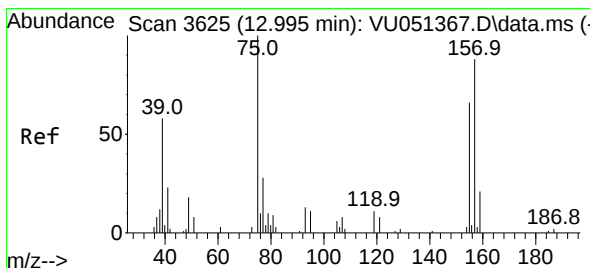
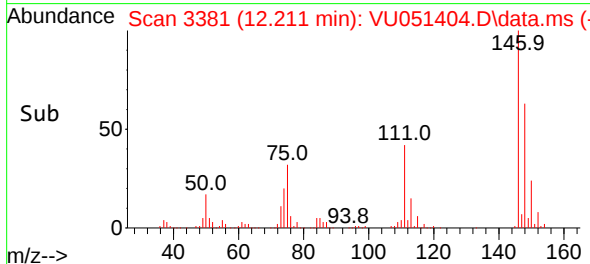
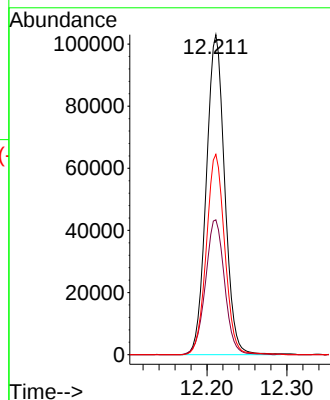
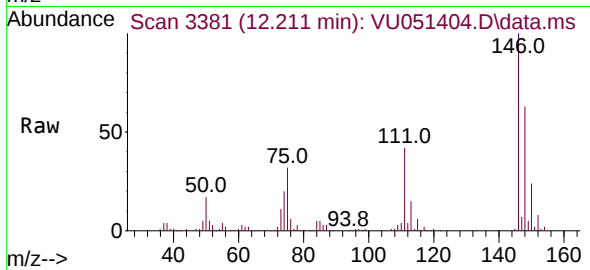
Tgt Ion:146 Resp: 164871

Ion Ratio Lower Upper

146 100

111 42.2 35.5 53.3

148 62.6 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.617 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU051404.D

Acq: 13 Oct 2022 10:39

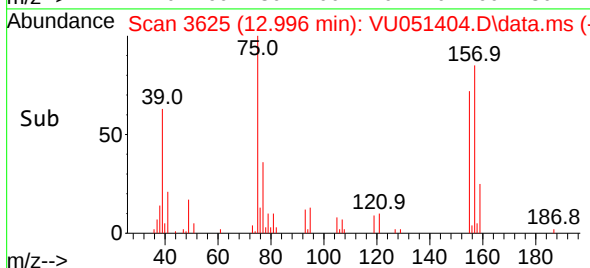
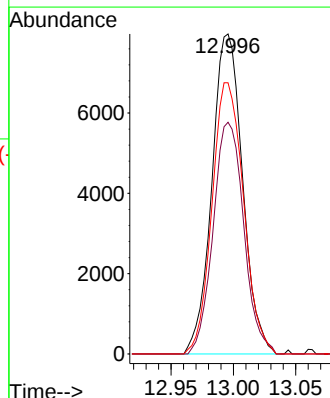
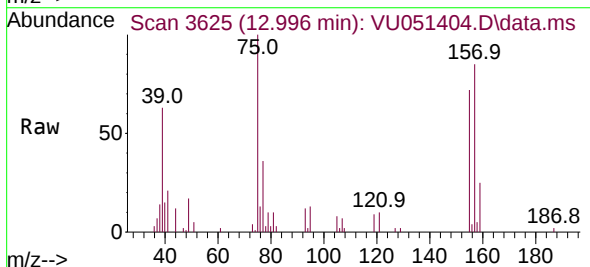
Tgt Ion: 75 Resp: 13642

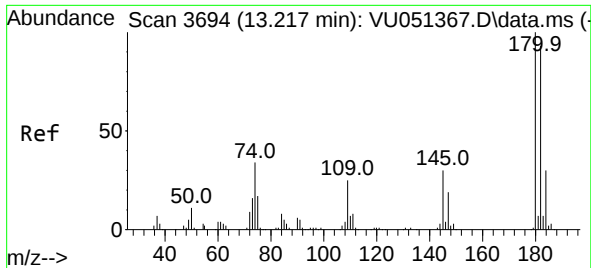
Ion Ratio Lower Upper

75 100

155 72.4 62.7 94.1

157 84.7 78.3 117.5

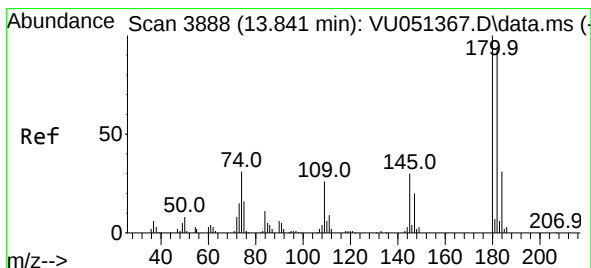
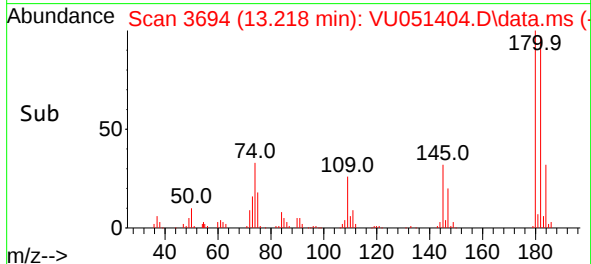
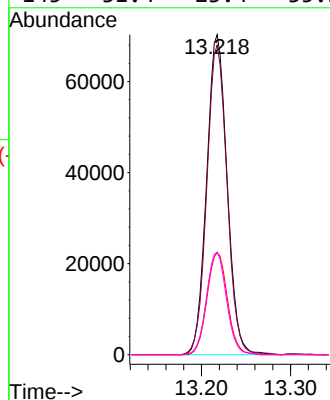
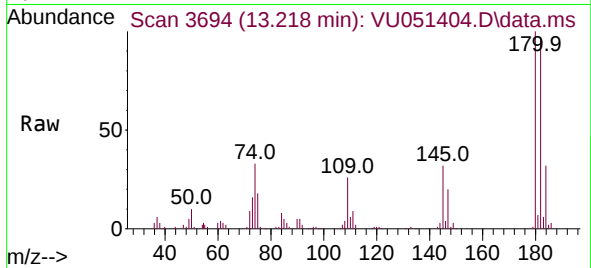




#69
 1,3,5-Trichlorobenzene
 Concen: 5.167 ug/L
 RT: 13.218 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU051404.D
 Acq: 13 Oct 2022 10:39

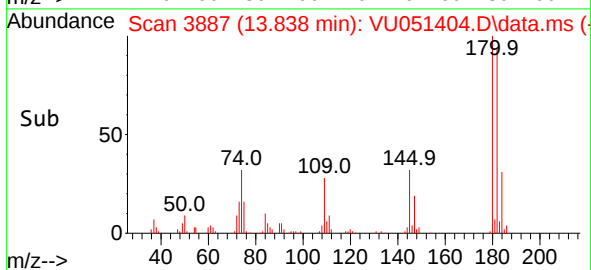
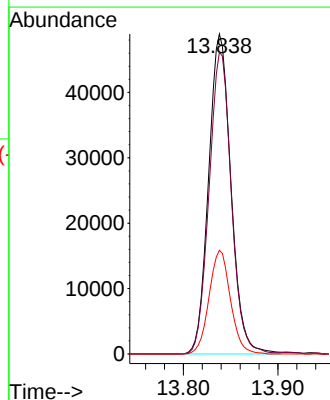
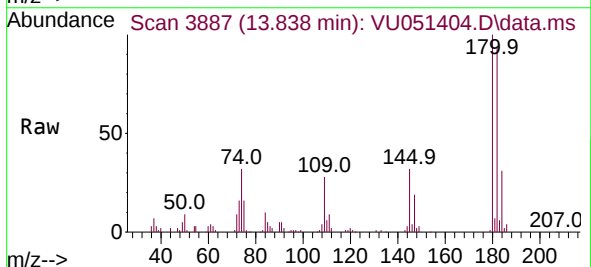
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005179

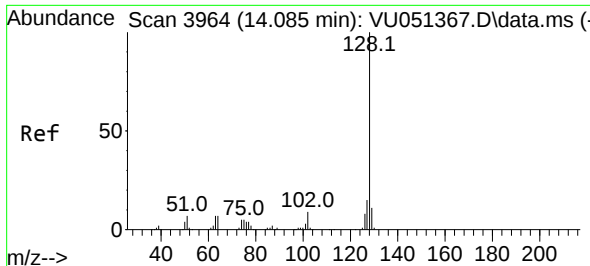
Tgt Ion:	180	Resp:	112206
Ion Ratio	Lower	Upper	
180	100		
182	95.5	77.7	116.5
184	31.7	23.6	35.4
145	31.4	23.4	35.2



#70
 1,2,4-trichlorobenzene
 Concen: 5.211 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.000 min
 Lab File: VU051404.D
 Acq: 13 Oct 2022 10:39

Tgt Ion:	180	Resp:	80426
Ion Ratio	Lower	Upper	
180	100		
182	93.7	78.7	118.1
145	31.0	25.0	37.4

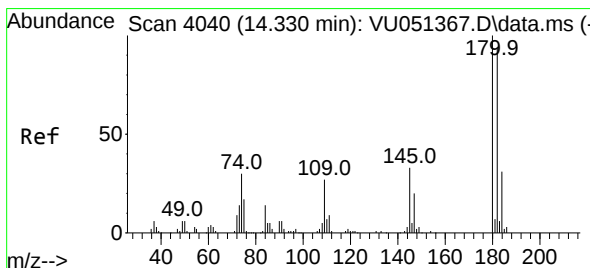
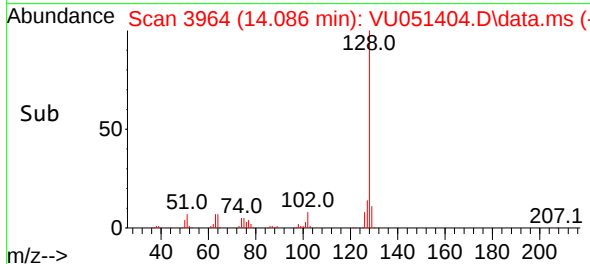
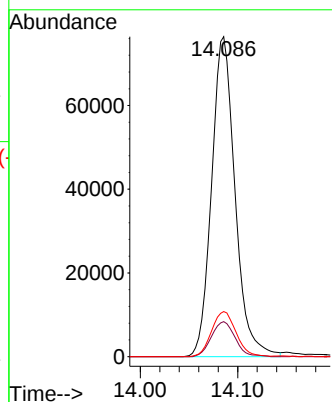
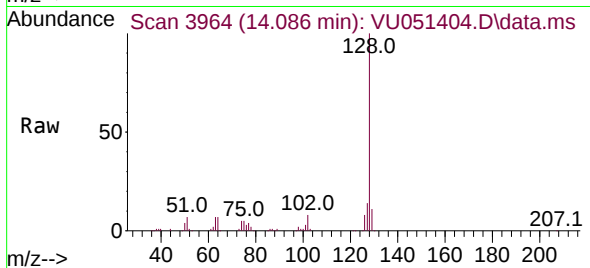




#71
Naphthalene
Concen: 4.459 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD005179

Tgt Ion:128 Resp: 127911
Ion Ratio Lower Upper
128 100
129 11.1 8.5 12.7
127 14.8 11.1 16.7



#72
1,2,3-Trichlorobenzene
Concen: 4.994 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.000 min
Lab File: VU051404.D
Acq: 13 Oct 2022 10:39

Tgt Ion:180 Resp: 79727
Ion Ratio Lower Upper
180 100
182 94.6 76.6 114.8
145 33.8 25.8 38.8

