

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080322\
 Data File : VU050055.D
 Acq On : 03 Aug 2022 16:44
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005145

Quant Time: Aug 04 01:46:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Aug 04 01:44:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	75380	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	74260	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	35503	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	32404	5.007	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 100.200%		
7) Chloroethane-d5	1.909	69	26391	5.677	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 113.600%		
11) 1,1-Dichloroethene-d2	2.562	65	11979	5.370	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 107.400%		
20) 2-Butanone-d5	4.633	46	86153	59.798	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 119.600%		
24) Chloroform-d	5.064	84	62000	5.789	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 115.800%		
26) 1,2-Dichloroethane-d4	5.703	65	30996	5.743	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 114.800%		
32) Benzene-d6	5.729	84	119276	5.436	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 108.800%		
36) 1,2-Dichloropropane-d6	6.694	67	40000	5.564	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 111.200%		
41) Toluene-d8	7.899	98	106921	5.482	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 109.600%		
43) trans-1,3-Dichloroprop...	8.182	79	13984	5.550	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 111.000%		
46) 2-Hexanone-d5	8.636	63	51867	54.991	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 109.980%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	34778	5.758	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 115.200%		
66) 1,2-Dichlorobenzene-d4	12.195	152	33967	5.158	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 103.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	32591	5.602	ug/L	99
3) Chloromethane	1.520	50	35417	5.138	ug/L	96
5) Vinyl chloride	1.601	62	36456	5.627	ug/L	100
6) Bromomethane	1.855	94	20467	5.707	ug/L	98
8) Chloroethane	1.932	64	21656	5.895	ug/L	99
9) Trichlorofluoromethane	2.134	101	45687	5.987	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	27477	6.116	ug/L	98
12) 1,1-Dichloroethene	2.578	96	24494	5.888	ug/L	94
13) Acetone	2.642	43	54396	53.716	ug/L	97
14) Carbon disulfide	2.790	76	61748	4.886	ug/L	100
15) Methyl Acetate	2.958	43	13534	6.442	ug/L	98
16) Methylene chloride	3.044	84	40171	6.280	ug/L	98
17) Methyl tert-butyl Ether	3.366	73	71884	6.181	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	26837	5.869	ug/L	97
19) 1,1-Dichloroethane	3.867	63	58728	6.261	ug/L	95
21) 2-Butanone	4.713	43	90321	61.926	ug/L	100
22) cis-1,2-Dichloroethene	4.668	96	32870	6.014	ug/L	97
23) Bromochloromethane	4.977	128	15860	6.336	ug/L	97
25) Chloroform	5.089	83	62365	5.932	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080322\
 Data File : VU050055.D
 Acq On : 03 Aug 2022 16:44
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005145

Quant Time: Aug 04 01:46:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Aug 04 01:44:33 2022
 Response via : Initial Calibration

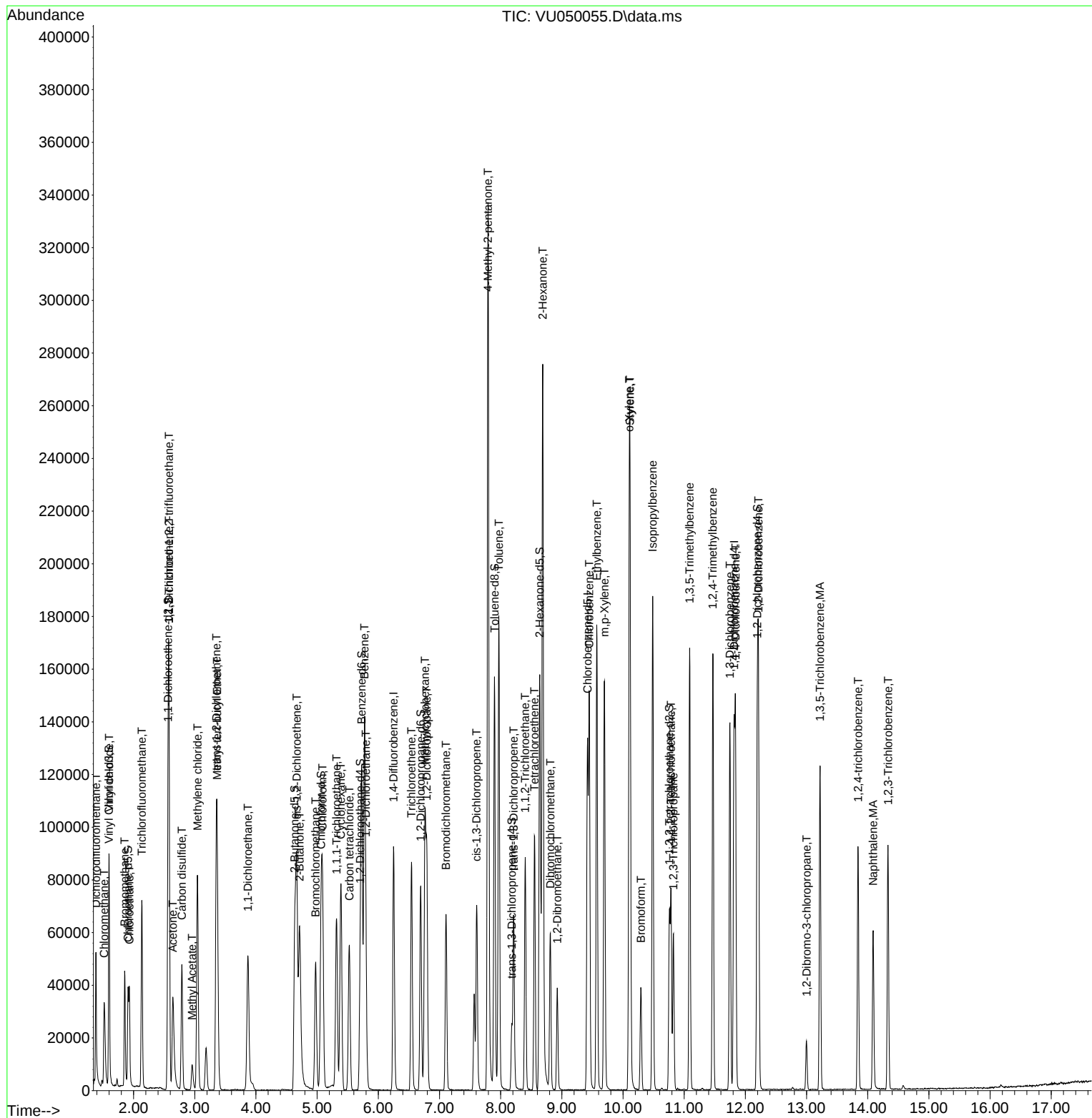
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	36609	6.240	ug/L	97
29) 1,1,1-Trichloroethane	5.318	97	48127	6.103	ug/L	99
30) Cyclohexane	5.388	56	36340	5.460	ug/L	99
31) Carbon tetrachloride	5.527	117	39329	6.140	ug/L	98
33) Benzene	5.774	78	127321	5.874	ug/L	100
34) Trichloroethene	6.543	95	30764	5.839	ug/L	99
35) Methylcyclohexane	6.764	83	37544	5.403	ug/L	98
37) 1,2-Dichloropropane	6.793	63	36521	6.114	ug/L	100
38) Bromodichloromethane	7.105	83	45844	6.344	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	44618	5.773	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	217243	62.946	ug/L	99
42) Toluene	7.970	91	133025	6.036	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	39551	6.093	ug/L	92
45) 1,1,2-Trichloroethane	8.401	97	28259	6.332	ug/L	98
47) Tetrachloroethene	8.552	164	21674	5.716	ug/L	98
48) 2-Hexanone	8.687	43	168210	63.937	ug/L	98
49) Dibromochloromethane	8.813	129	32096	6.572	ug/L	94
50) 1,2-Dibromoethane	8.925	107	25096	6.332	ug/L	100
51) Chlorobenzene	9.449	112	82583	5.903	ug/L	100
52) Ethylbenzene	9.571	91	125112	5.795	ug/L	98
53) m,p-Xylene	9.697	106	46186	5.618	ug/L	96
54) o-Xylene	10.102	106	46838	5.877	ug/L	95
55) Styrene	10.115	104	82078	6.046	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.784	83	37260	6.414	ug/L	98
59) Bromoform	10.292	173	17822	6.245	ug/L	99
60) Isopropylbenzene	10.485	105	120684	5.754	ug/L	100
61) 1,2,3-Trichloropropane	10.822	75	25430	6.168	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	90564	5.315	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	91533	5.543	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	58352	5.811	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	56301	5.666	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	58385	5.852	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	5141	6.312	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	39160	5.408	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	28932	5.009	ug/L	98
71) Naphthalene	14.089	128	52383	4.574	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	29548	5.154	ug/L	100

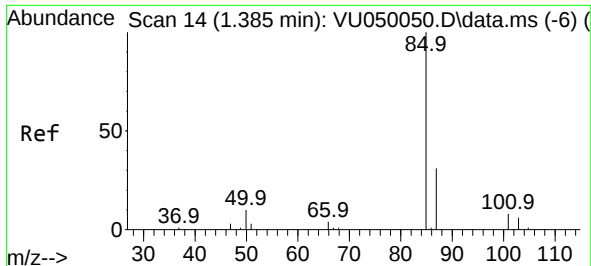
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080322\
 Data File : VU050055.D
 Acq On : 03 Aug 2022 16:44
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005145

Quant Time: Aug 04 01:46:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Aug 04 01:44:33 2022
 Response via : Initial Calibration

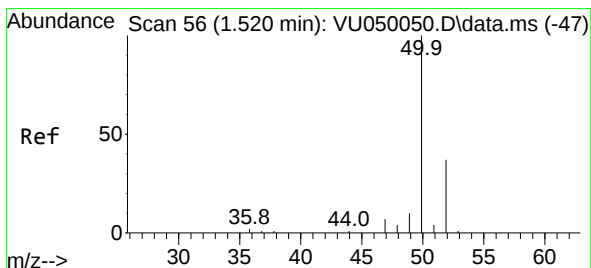
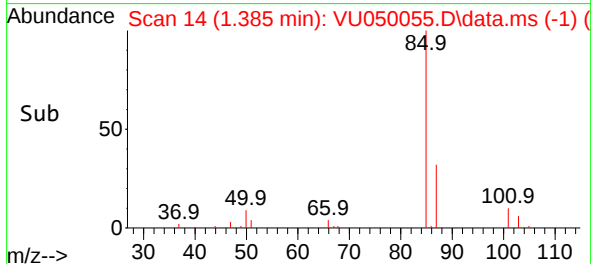
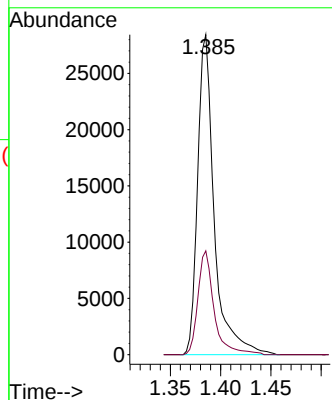
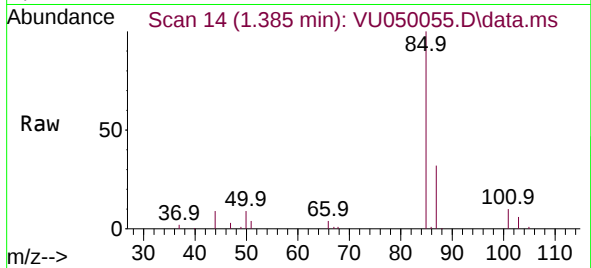




#2
Dichlorodifluoromethane
Concen: 5.602 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

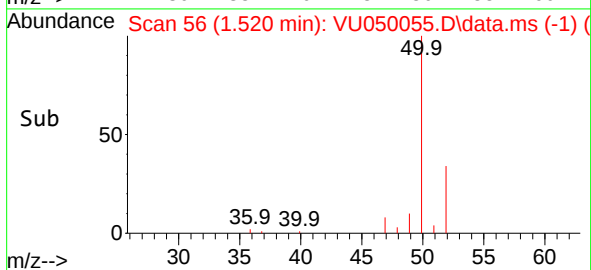
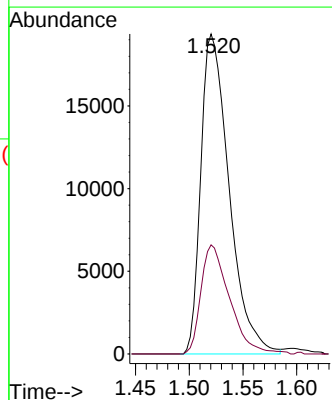
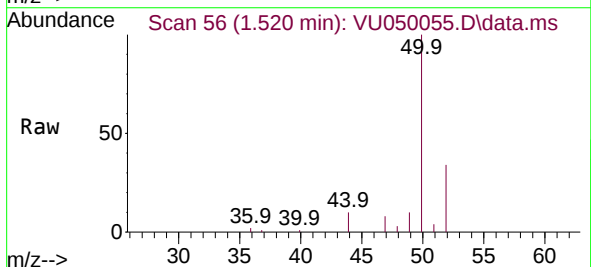
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

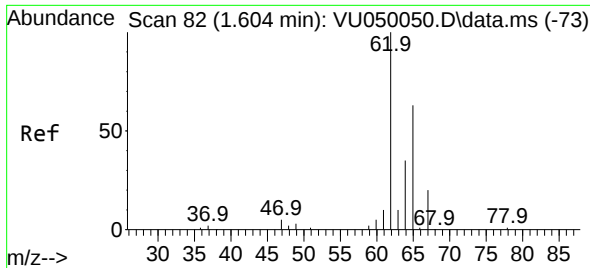
Tgt Ion: 85 Resp: 32591
Ion Ratio Lower Upper
85 100
87 31.7 25.7 38.5



#3
Chloromethane
Concen: 5.138 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

Tgt Ion: 50 Resp: 35417
Ion Ratio Lower Upper
50 100
52 34.1 22.4 41.6

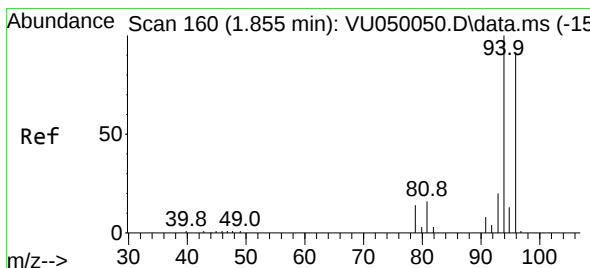
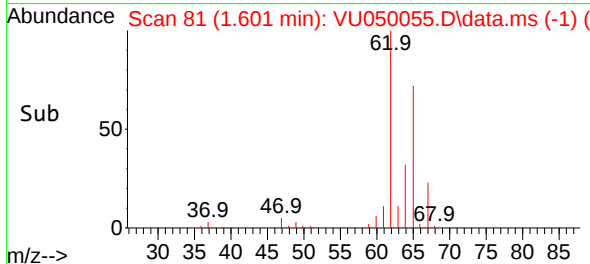
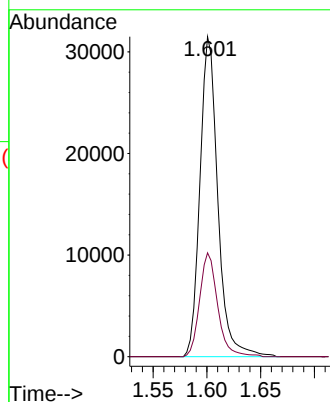
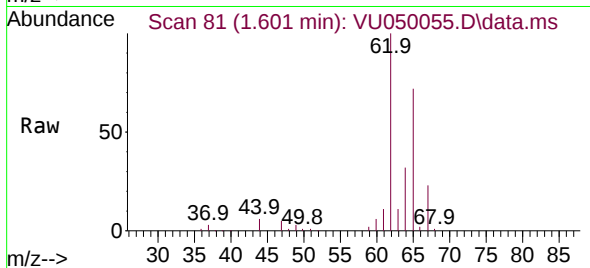




#5
 Vinyl chloride
 Concen: 5.627 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU050055.D
 Acq: 03 Aug 2022 16:44

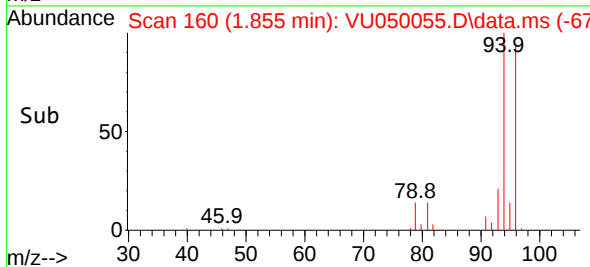
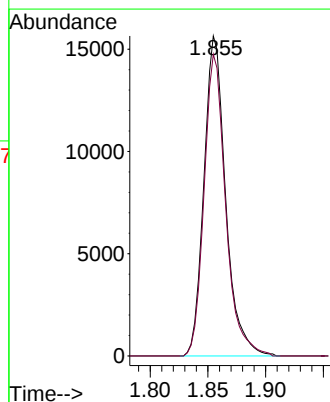
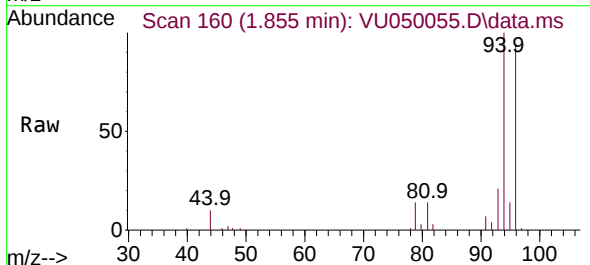
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005145

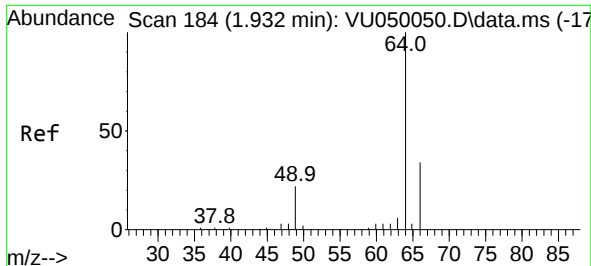
Tgt Ion: 62 Resp: 36456
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.5 41.9



#6
 Bromomethane
 Concen: 5.707 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. 0.000 min
 Lab File: VU050055.D
 Acq: 03 Aug 2022 16:44

Tgt Ion: 94 Resp: 20467
 Ion Ratio Lower Upper
 94 100
 96 94.2 64.5 119.9

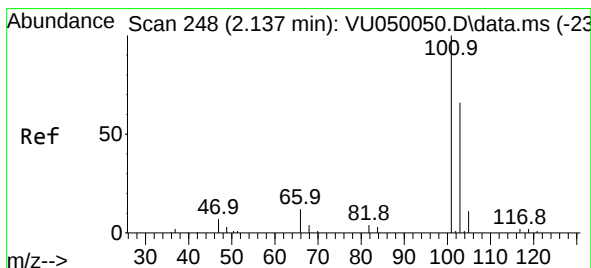
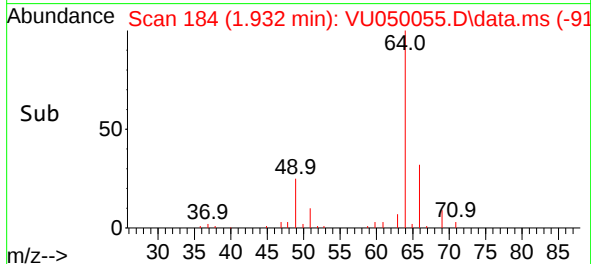
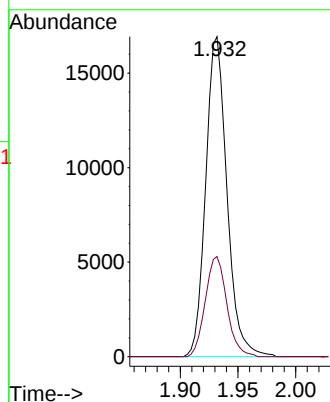
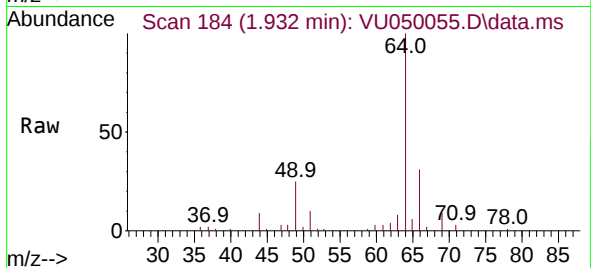




#8
Chloroethane
Concen: 5.895 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

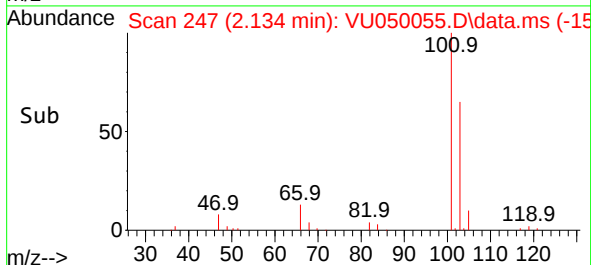
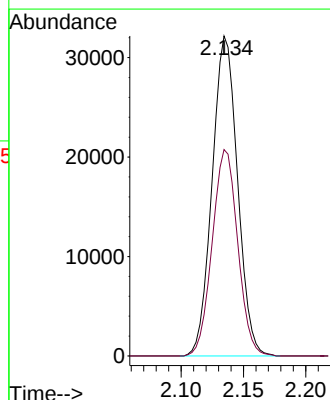
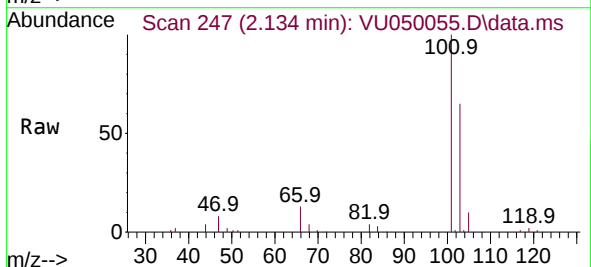
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

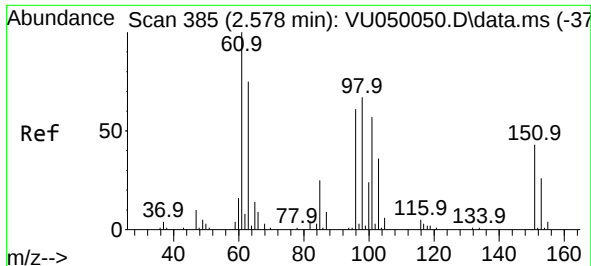
Tgt Ion: 64 Resp: 21656
Ion Ratio Lower Upper
64 100
66 31.3 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.987 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

Tgt Ion:101 Resp: 45687
Ion Ratio Lower Upper
101 100
103 64.7 51.0 76.6

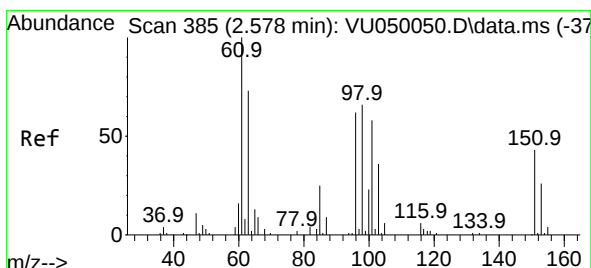
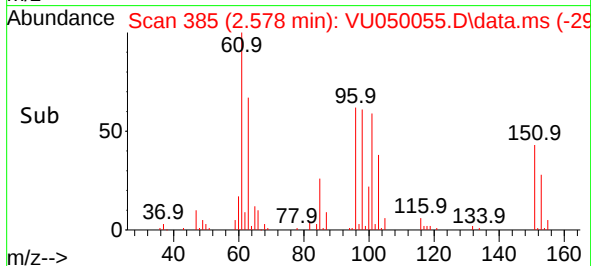
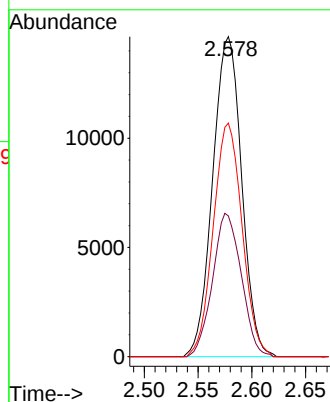
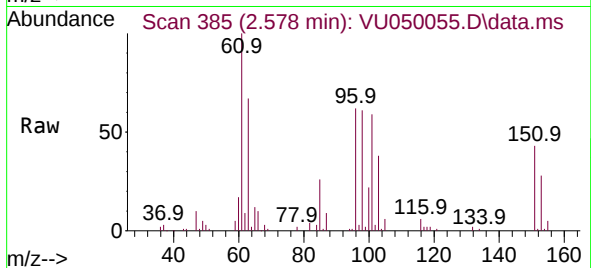




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 6.116 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

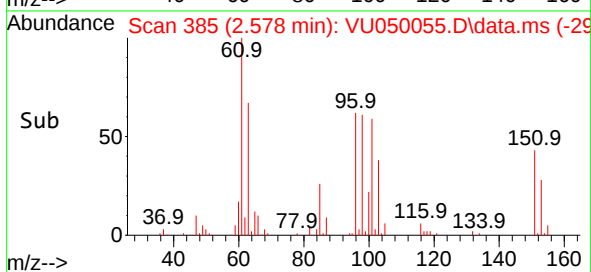
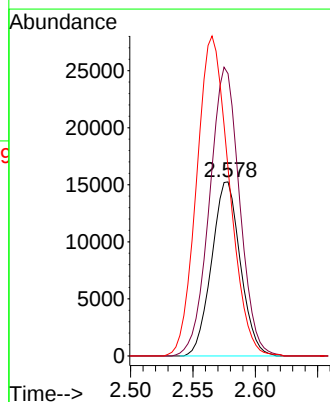
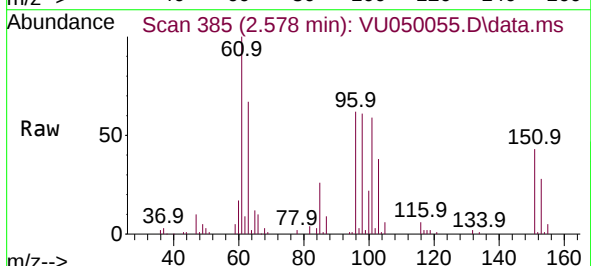
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

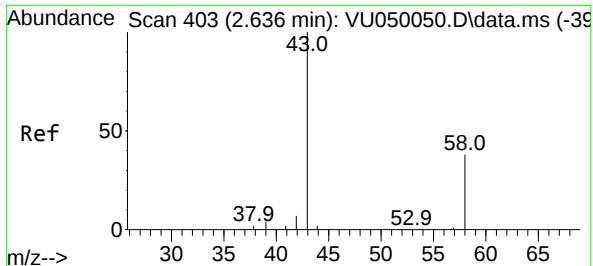
Tgt Ion:101 Resp: 27477
Ion Ratio Lower Upper
101 100
85 44.3 34.1 51.1
151 72.6 56.6 85.0



#12
1,1-Dichloroethene
Concen: 5.888 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

Tgt Ion: 96 Resp: 24494
Ion Ratio Lower Upper
96 100
61 162.1 115.7 214.9
63 107.9 84.8 157.4





#13

Acetone

Concen: 53.716 ug/L

RT: 2.642 min Scan# 403

Delta R.T. 0.007 min

Lab File: VU050055.D

Acq: 03 Aug 2022 16:44

Instrument :

MSVOA_U

ClientSampleId :

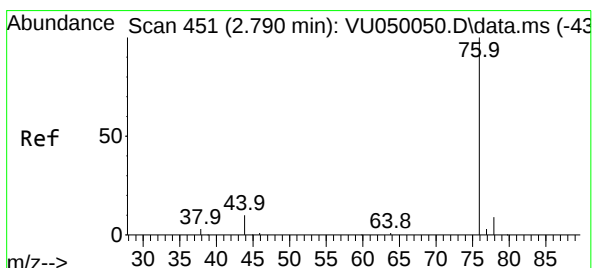
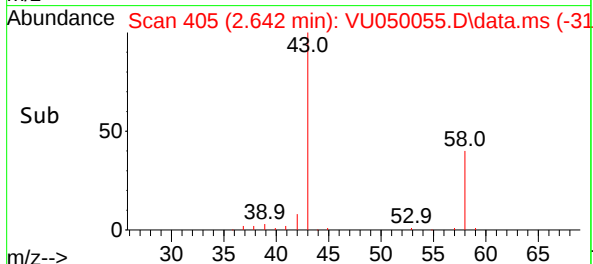
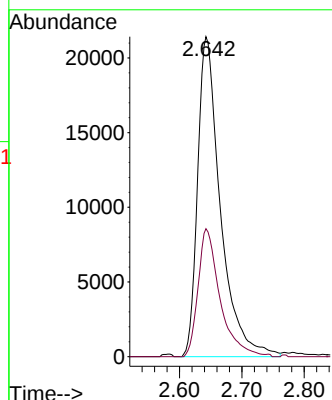
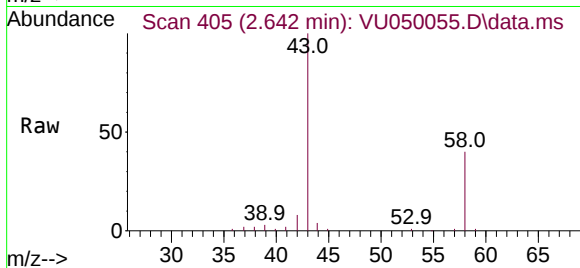
VSTD005145

Tgt Ion: 43 Resp: 54396

Ion Ratio Lower Upper

43 100

58 38.5 0.0 73.0



#14

Carbon disulfide

Concen: 4.886 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU050055.D

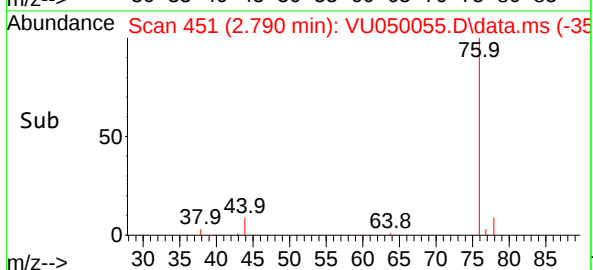
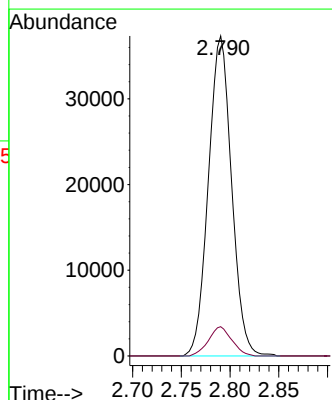
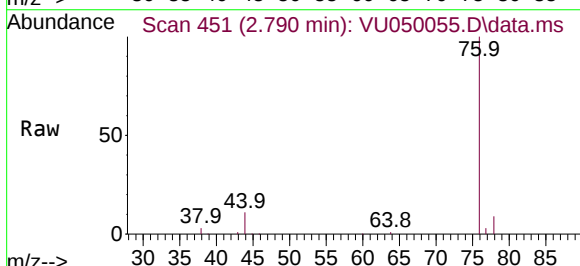
Acq: 03 Aug 2022 16:44

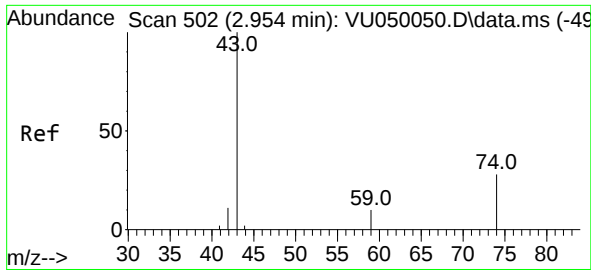
Tgt Ion: 76 Resp: 61748

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

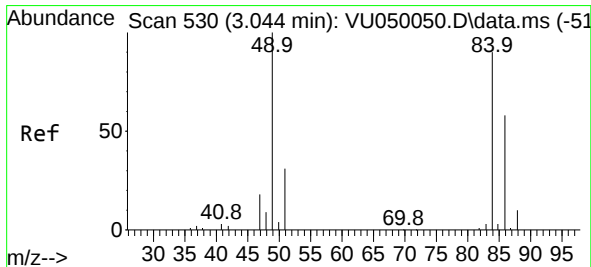
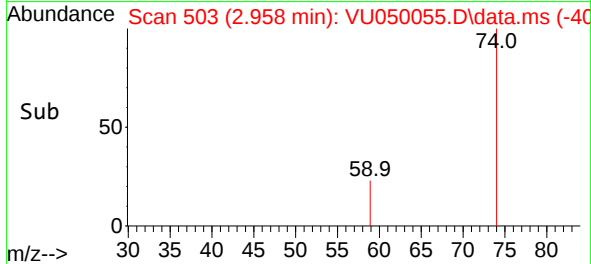
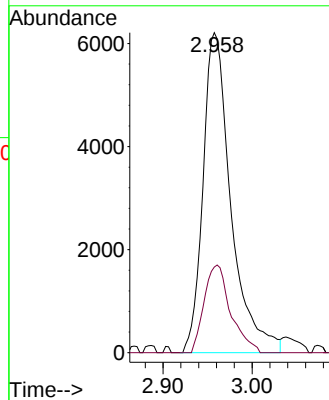
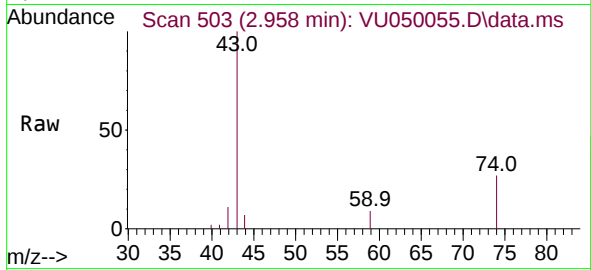




#15
Methyl Acetate
Concen: 6.442 ug/L
RT: 2.958 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

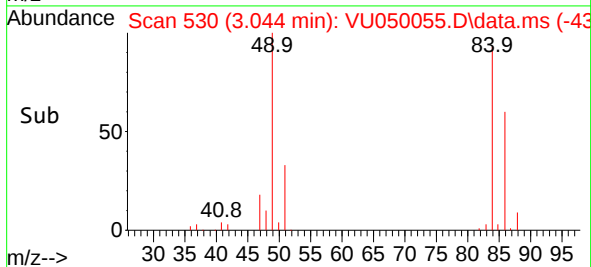
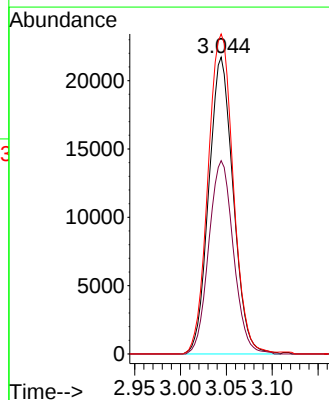
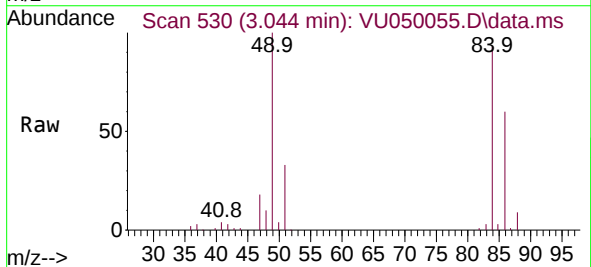
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

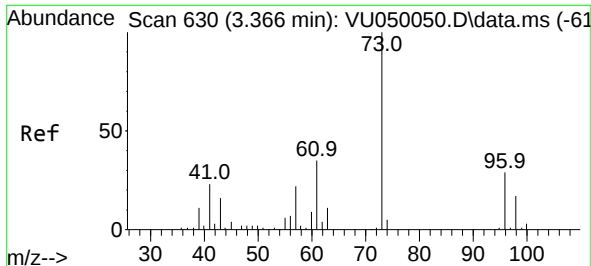
Tgt Ion: 43 Resp: 13534
Ion Ratio Lower Upper
43 100
74 25.9 21.6 32.4



#16
Methylene chloride
Concen: 6.280 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

Tgt Ion: 84 Resp: 40171
Ion Ratio Lower Upper
84 100
86 65.1 45.2 84.0
49 107.8 77.6 144.0





#17

Methyl tert-butyl Ether

Concen: 6.181 ug/L

RT: 3.366 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU050055.D

Acq: 03 Aug 2022 16:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005145

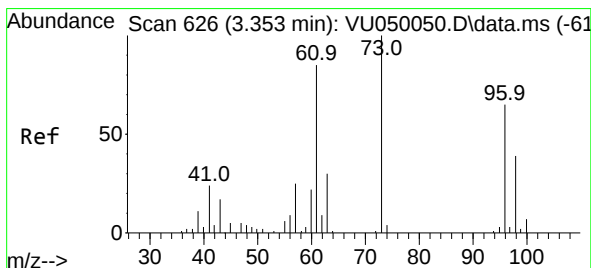
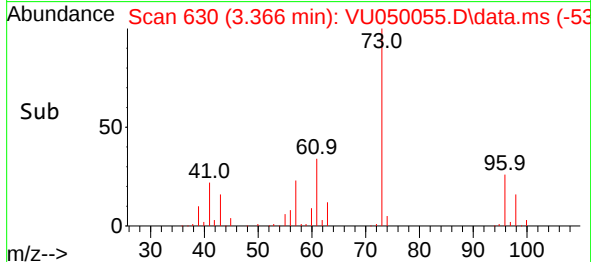
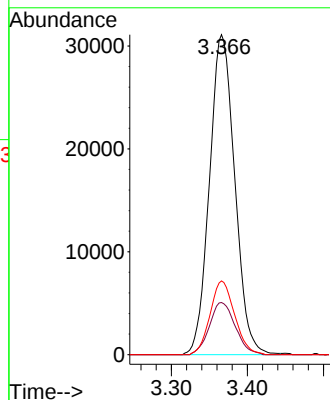
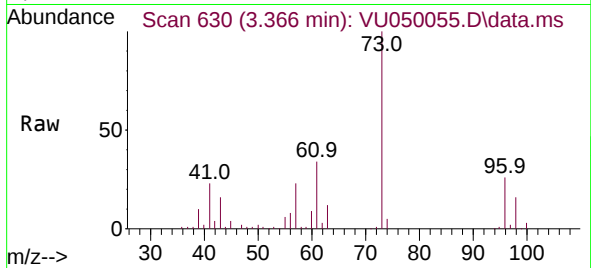
Tgt Ion: 73 Resp: 71884

Ion Ratio Lower Upper

73 100

43 16.7 13.8 20.6

57 22.4 17.9 26.9



#18

trans-1,2-Dichloroethene

Concen: 5.869 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU050055.D

Acq: 03 Aug 2022 16:44

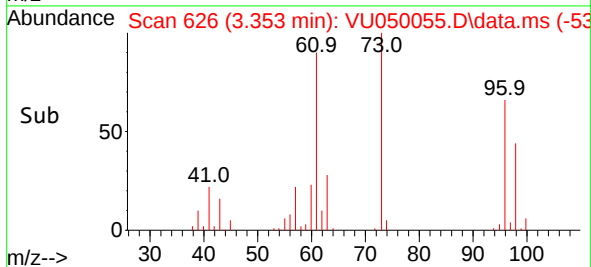
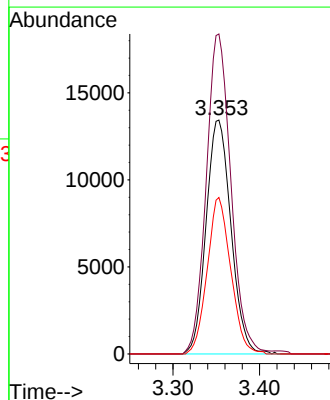
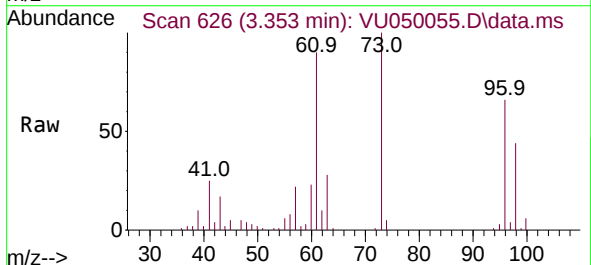
Tgt Ion: 96 Resp: 26837

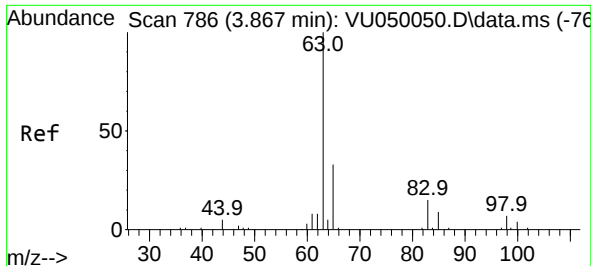
Ion Ratio Lower Upper

96 100

61 136.8 98.0 182.0

98 66.9 44.5 82.7

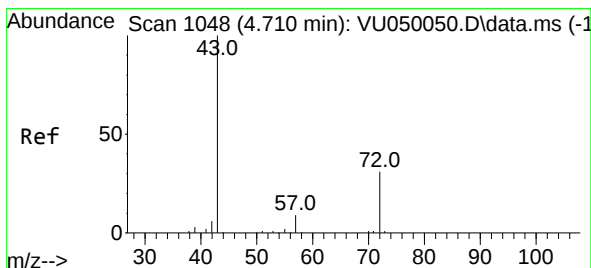
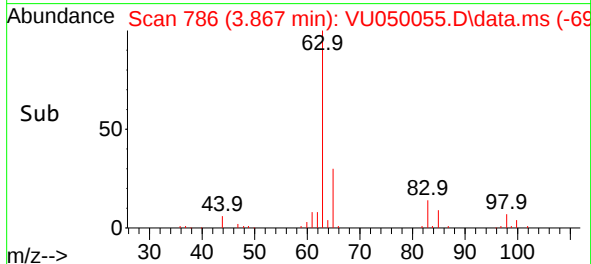
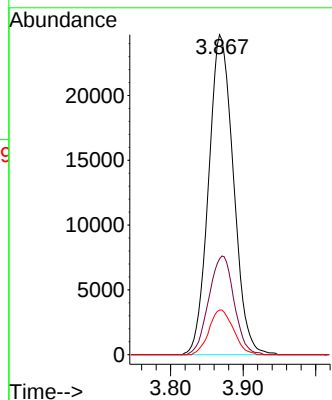
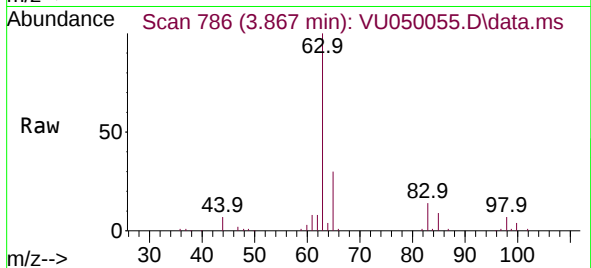




#19
1,1-Dichloroethane
Concen: 6.261 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

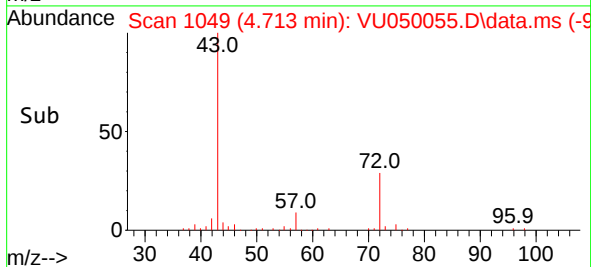
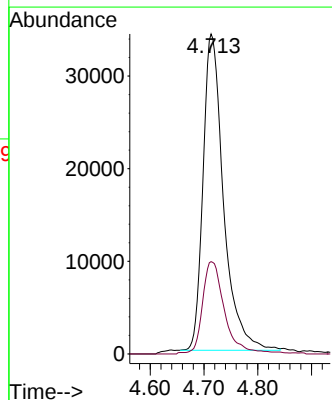
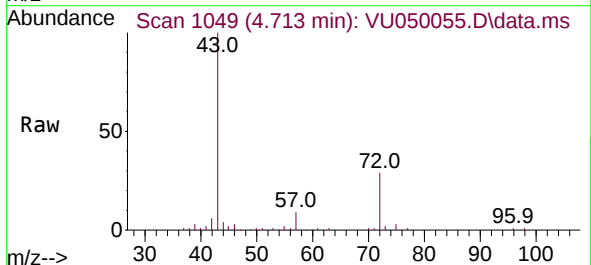
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

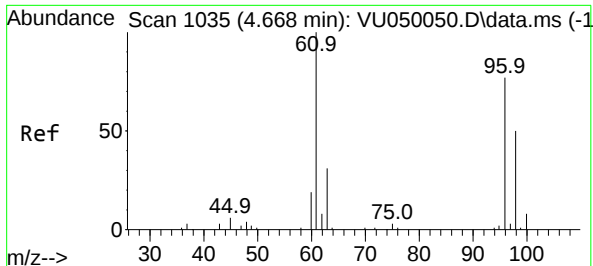
Tgt Ion: 63 Resp: 58728
Ion Ratio Lower Upper
63 100
65 30.0 23.4 43.6
83 14.0 9.4 17.4



#21
2-Butanone
Concen: 61.926 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

Tgt Ion: 43 Resp: 90321
Ion Ratio Lower Upper
43 100
72 31.4 15.8 47.3

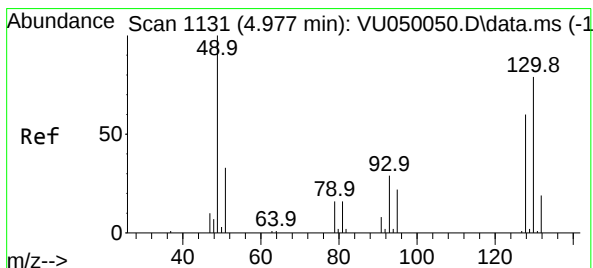
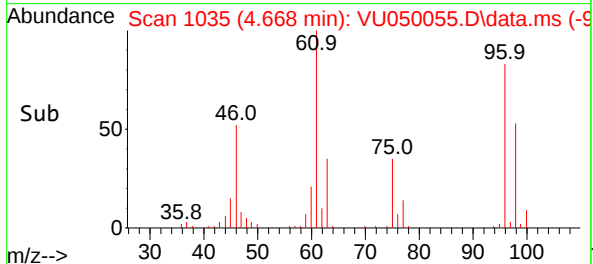
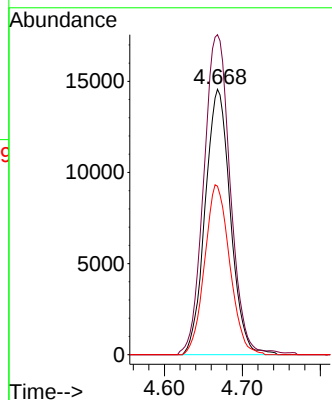
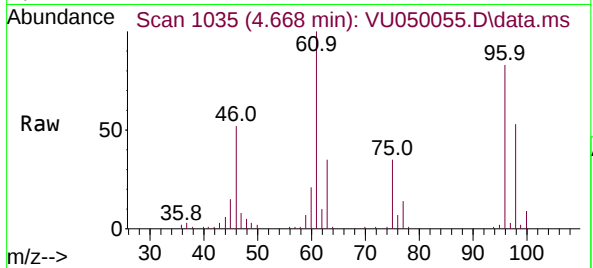




#22
 cis-1,2-Dichloroethene
 Concen: 6.014 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.000 min
 Lab File: VU050055.D
 Acq: 03 Aug 2022 16:44

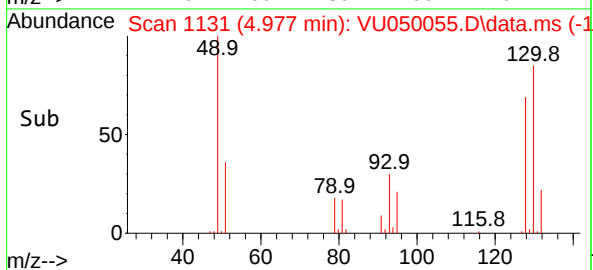
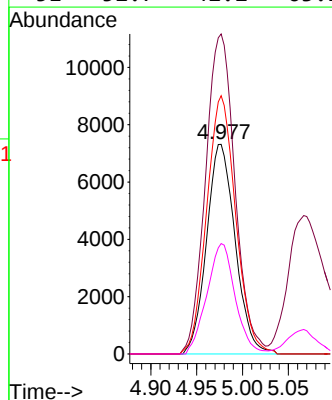
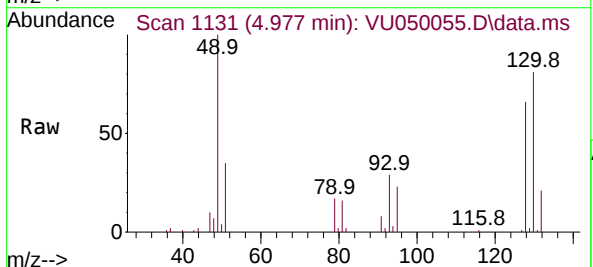
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005145

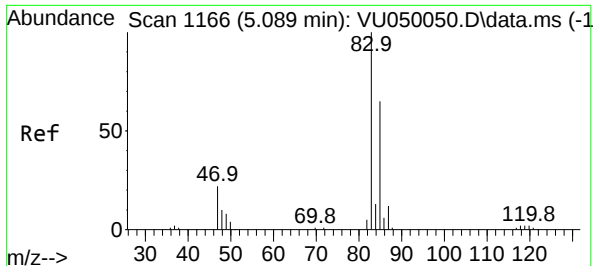
Tgt Ion: 96 Resp: 32870
 Ion Ratio Lower Upper
 96 100
 61 120.5 87.2 161.9
 98 63.4 44.7 83.1



#23
 Bromochloromethane
 Concen: 6.336 ug/L
 RT: 4.977 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VU050055.D
 Acq: 03 Aug 2022 16:44

Tgt Ion: 128 Resp: 15860
 Ion Ratio Lower Upper
 128 100
 49 152.6 111.4 207.0
 130 123.2 88.7 164.7
 51 52.7 42.2 63.2





#25

Chloroform

Concen: 5.932 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU050055.D

Acq: 03 Aug 2022 16:44

Instrument :

MSVOA_U

ClientSampleId :

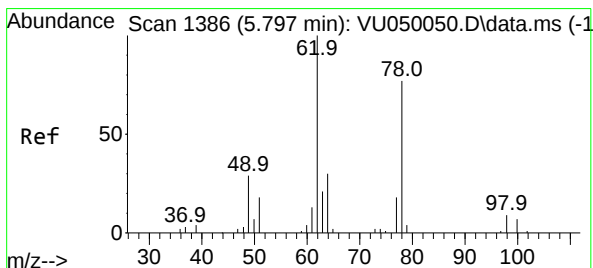
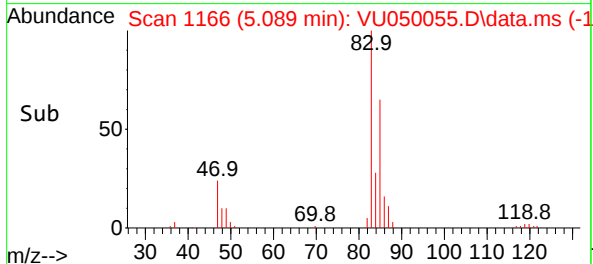
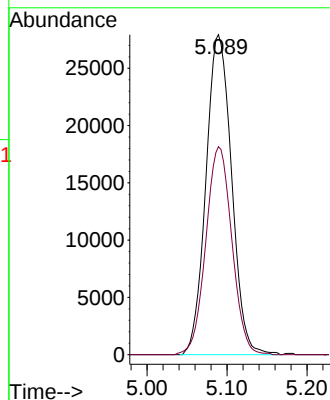
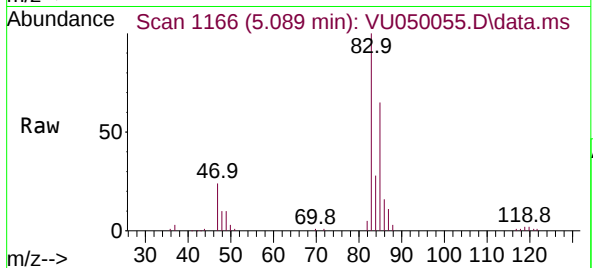
VSTD005145

Tgt Ion: 83 Resp: 62365

Ion Ratio Lower Upper

83 100

85 65.0 44.4 82.4



#27

1,2-Dichloroethane

Concen: 6.240 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU050055.D

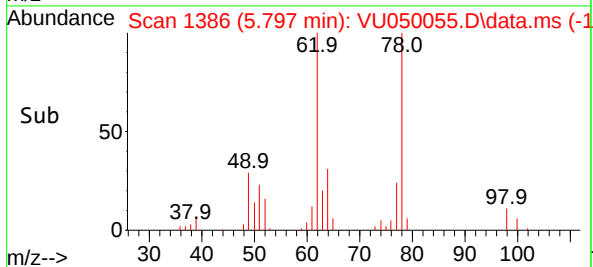
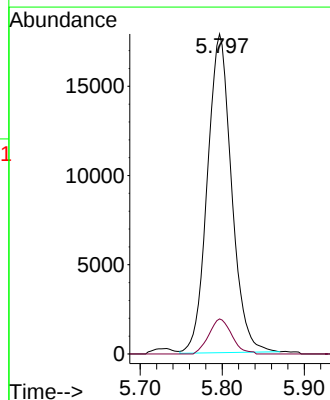
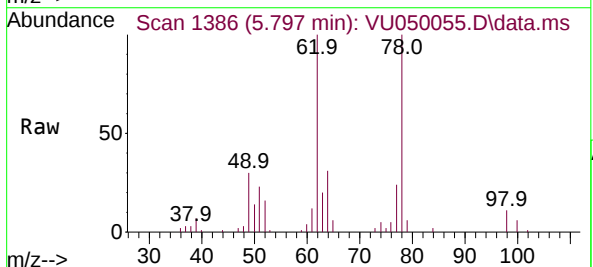
Acq: 03 Aug 2022 16:44

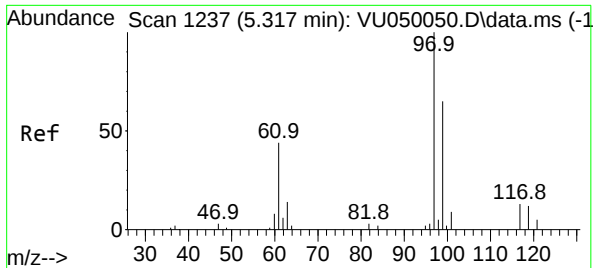
Tgt Ion: 62 Resp: 36609

Ion Ratio Lower Upper

62 100

98 11.0 7.9 11.9

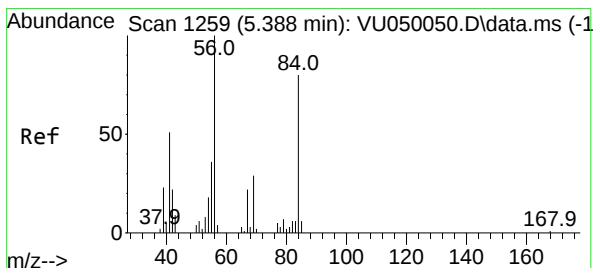
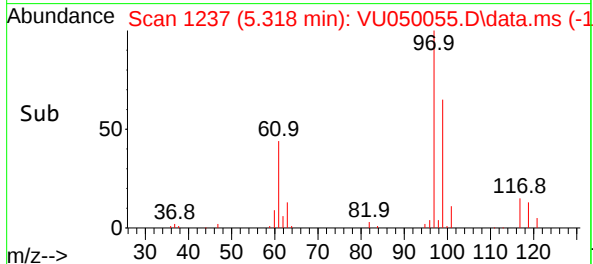
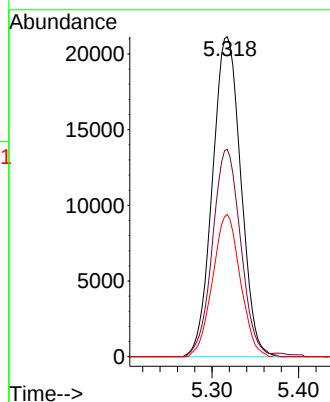
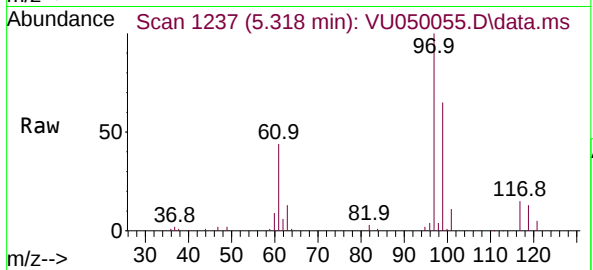




#29
1,1,1-Trichloroethane
Concen: 6.103 ug/L
RT: 5.318 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

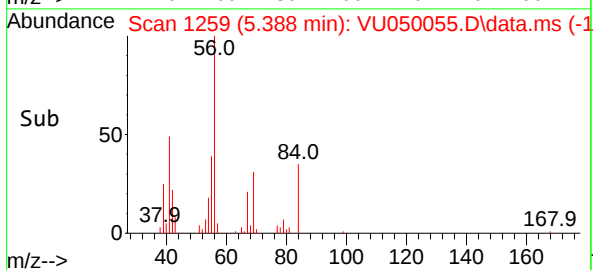
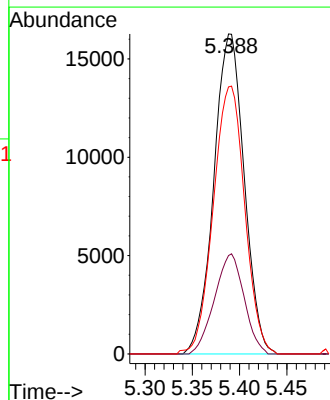
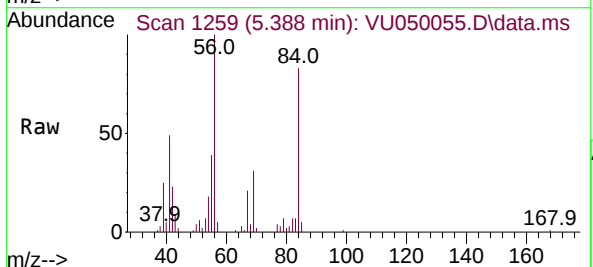
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

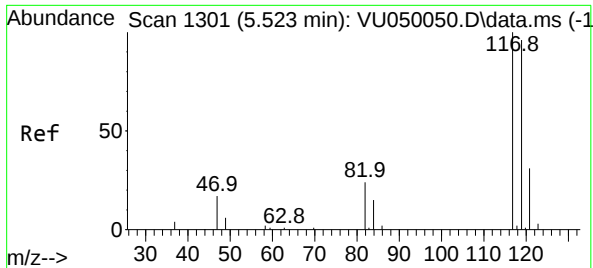
Tgt Ion:	97	Resp:	48127
Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.0	78.0
61	43.3	35.0	52.6



#30
Cyclohexane
Concen: 5.460 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

Tgt Ion:	56	Resp:	36340
Ion	Ratio	Lower	Upper
56	100		
69	30.5	25.1	37.7
84	86.6	70.1	105.1

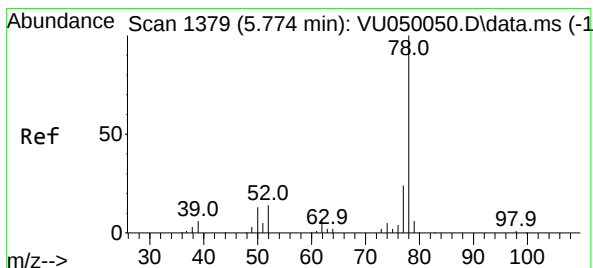
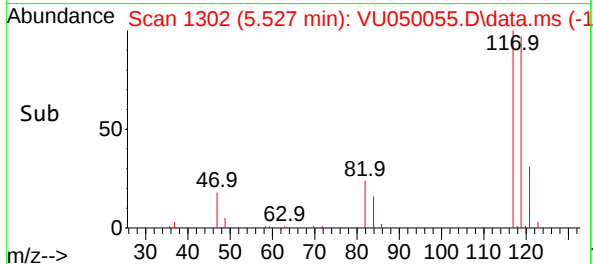
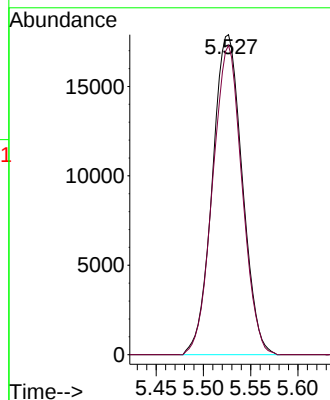
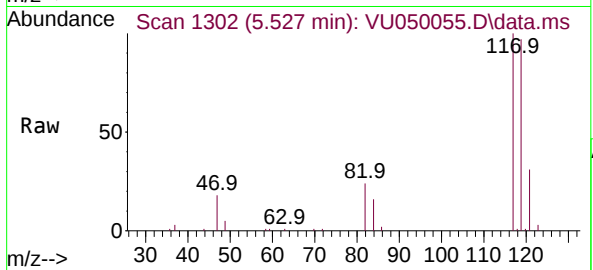




#31
Carbon tetrachloride
Concen: 6.140 ug/L
RT: 5.527 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

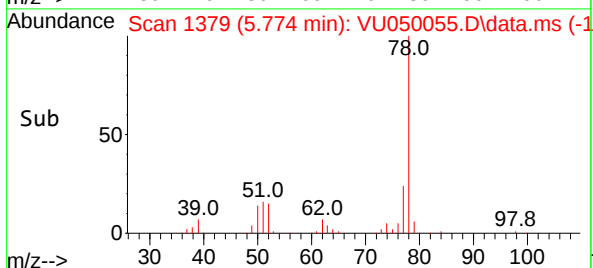
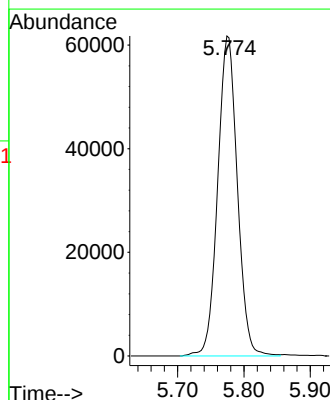
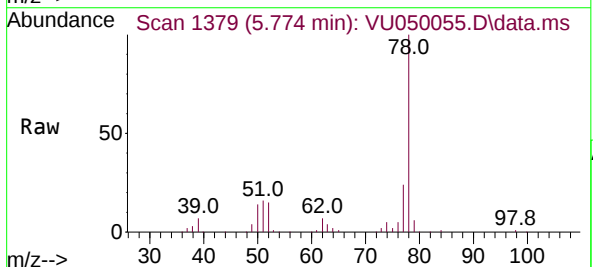
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

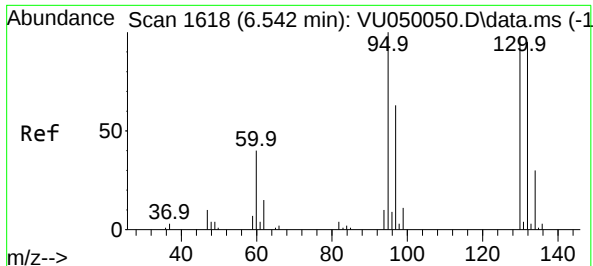
Tgt Ion:117 Resp: 39329
Ion Ratio Lower Upper
117 100
119 94.9 77.8 116.6



#33
Benzene
Concen: 5.874 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

Tgt Ion: 78 Resp: 127321

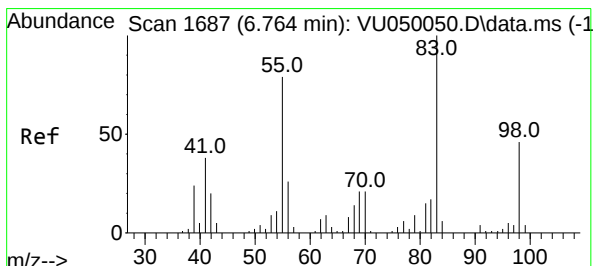
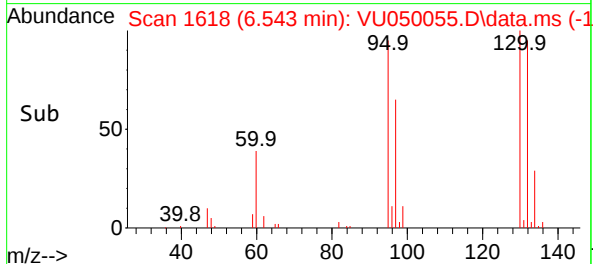
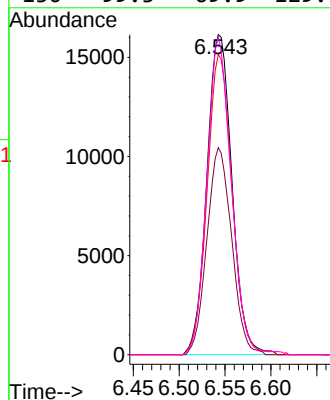
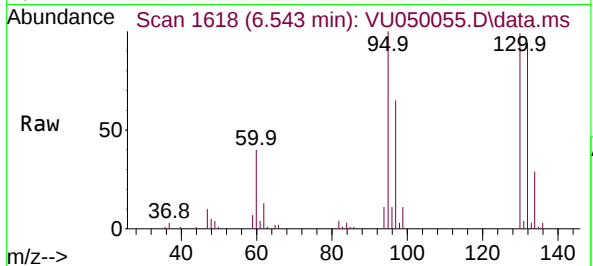




#34
Trichloroethene
Concen: 5.839 ug/L
RT: 6.543 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

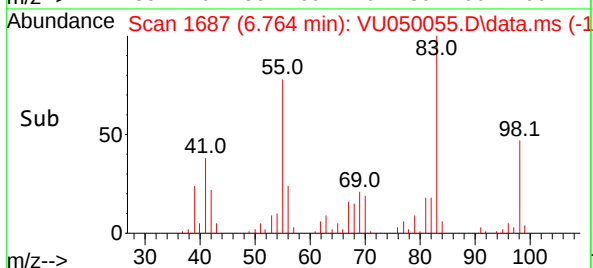
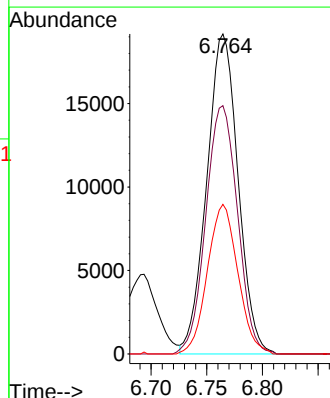
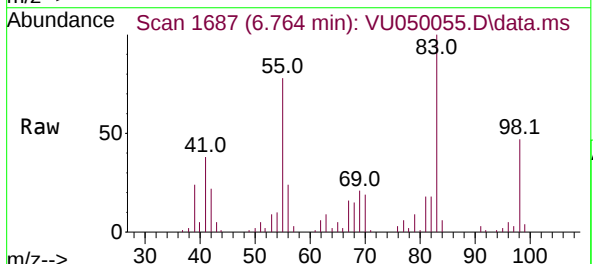
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

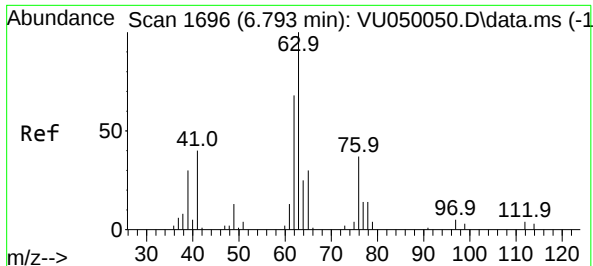
Tgt Ion: 95 Resp: 30764
Ion Ratio Lower Upper
95 100
97 64.7 45.6 84.8
132 93.8 66.8 124.2
130 99.3 69.9 129.7



#35
Methylcyclohexane
Concen: 5.403 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

Tgt Ion: 83 Resp: 37544
Ion Ratio Lower Upper
83 100
55 78.5 61.6 92.4
98 45.4 34.8 52.2





#37

1,2-Dichloropropane

Concen: 6.114 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050055.D

Acq: 03 Aug 2022 16:44

Instrument :

MSVOA_U

ClientSampleId :

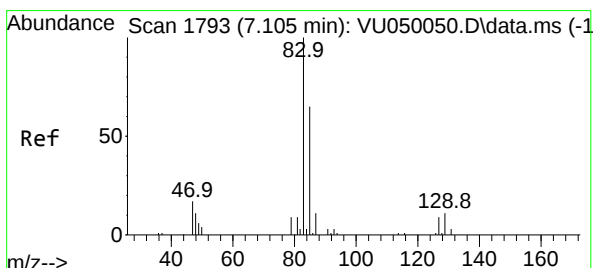
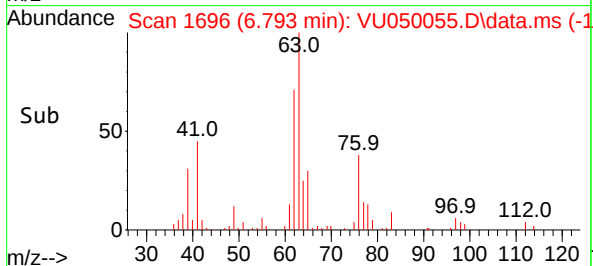
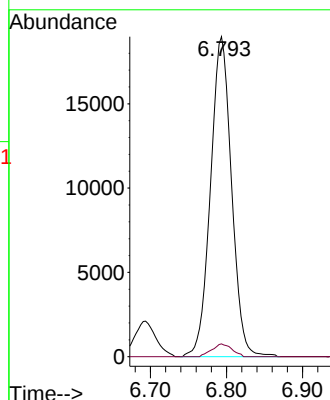
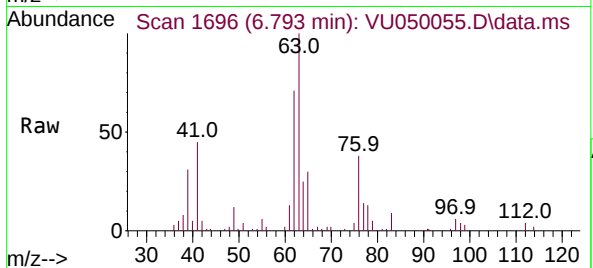
VSTD005145

Tgt Ion: 63 Resp: 36521

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 6.344 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050055.D

Acq: 03 Aug 2022 16:44

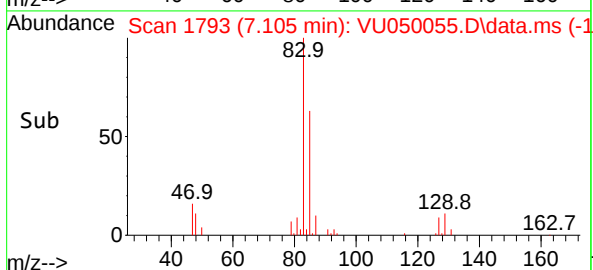
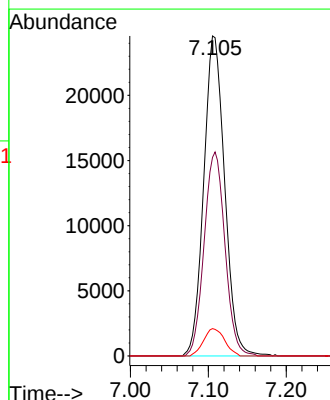
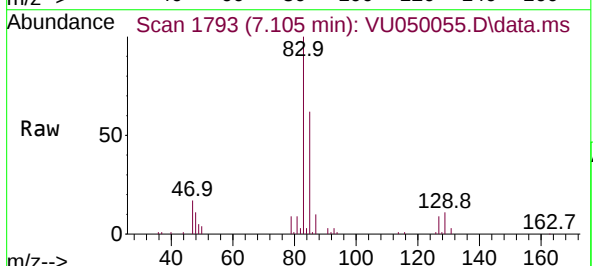
Tgt Ion: 83 Resp: 45844

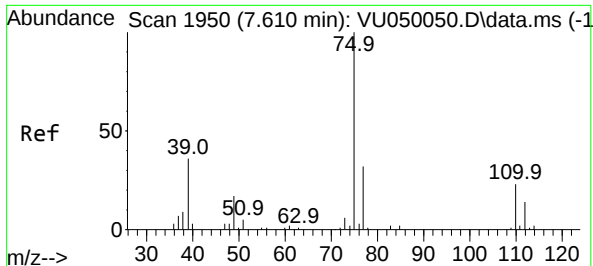
Ion Ratio Lower Upper

83 100

85 62.1 44.9 83.5

127 8.5 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.773 ug/L

RT: 7.607 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VU050055.D

Acq: 03 Aug 2022 16:44

Instrument :

MSVOA_U

ClientSampleId :

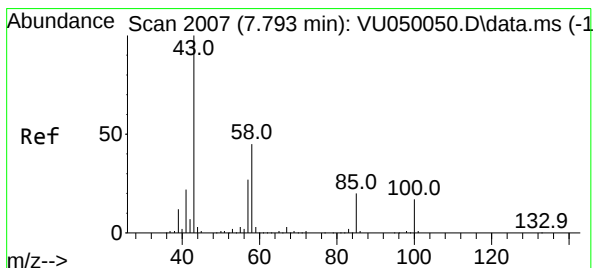
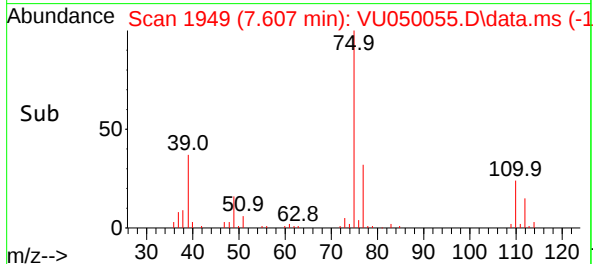
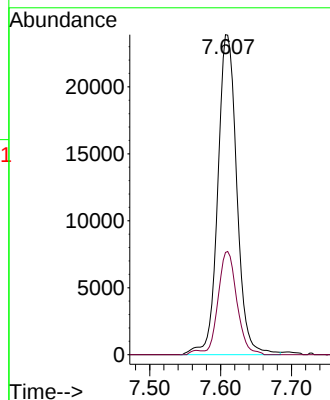
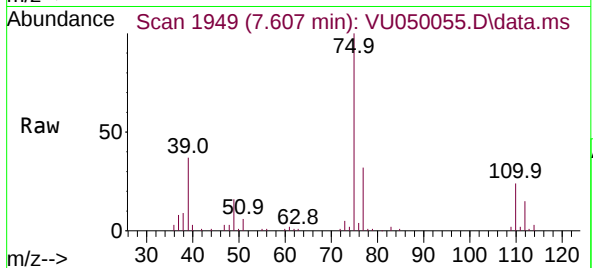
VSTD005145

Tgt Ion: 75 Resp: 44618

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 62.946 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU050055.D

Acq: 03 Aug 2022 16:44

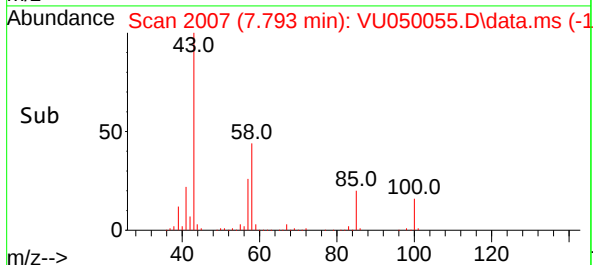
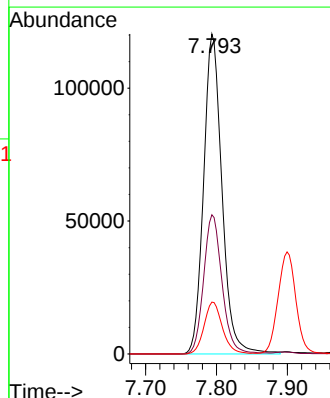
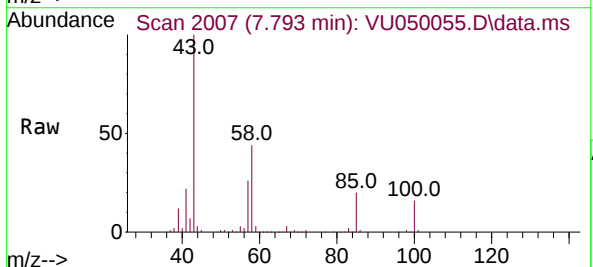
Tgt Ion: 43 Resp: 217243

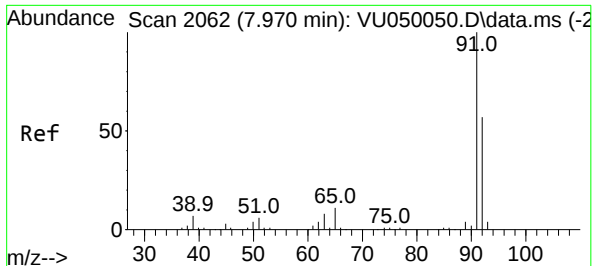
Ion Ratio Lower Upper

43 100

58 43.5 35.5 53.3

100 16.2 13.2 19.8





#42

Toluene

Concen: 6.036 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050055.D

Acq: 03 Aug 2022 16:44

Instrument :

MSVOA_U

ClientSampleId :

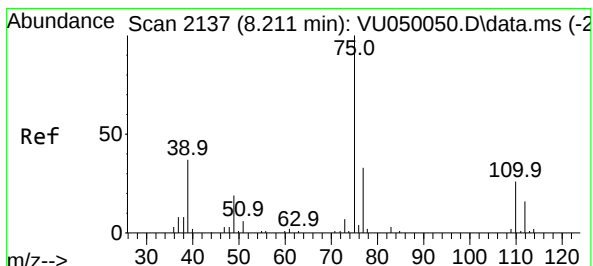
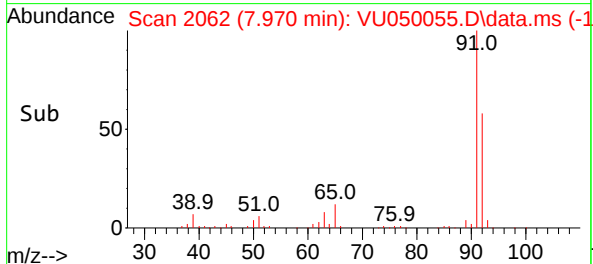
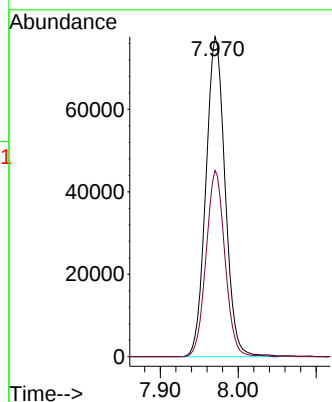
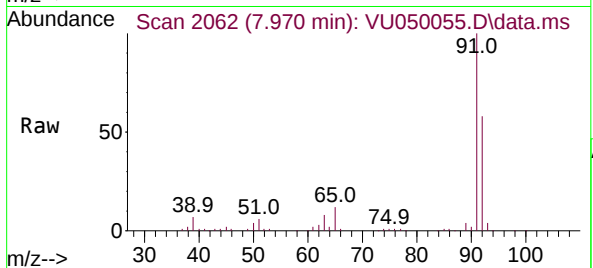
VSTD005145

Tgt Ion: 91 Resp: 133025

Ion Ratio Lower Upper

91 100

92 58.2 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 6.093 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU050055.D

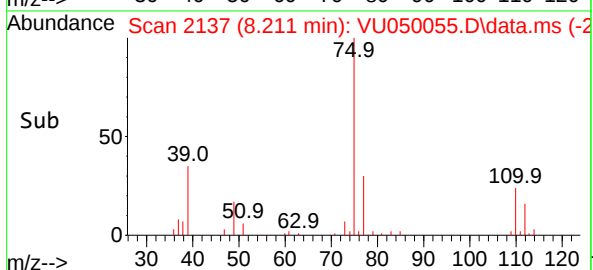
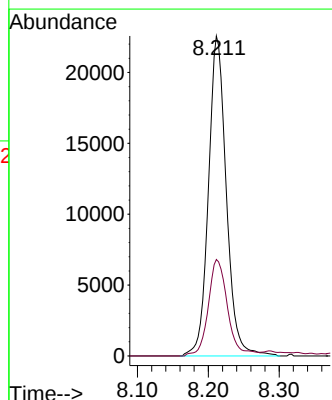
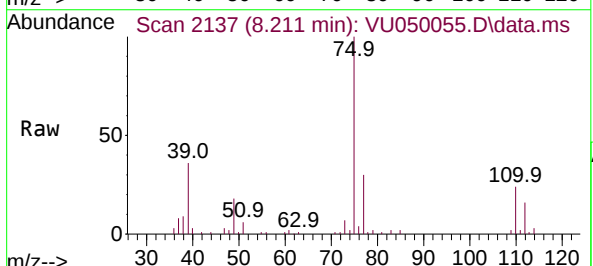
Acq: 03 Aug 2022 16:44

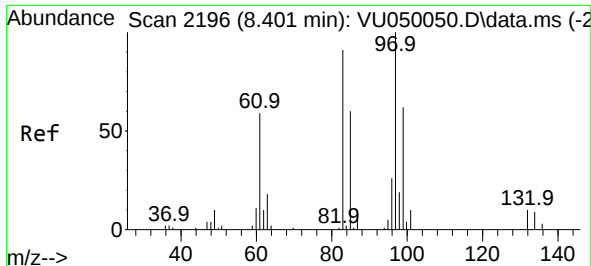
Tgt Ion: 75 Resp: 39551

Ion Ratio Lower Upper

75 100

77 30.1 24.1 44.8

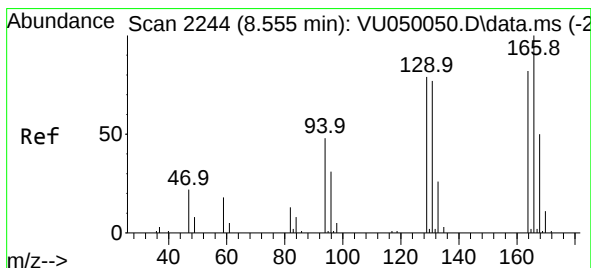
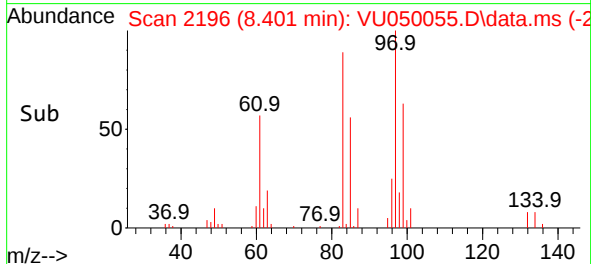
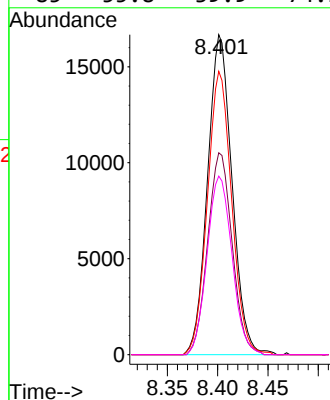
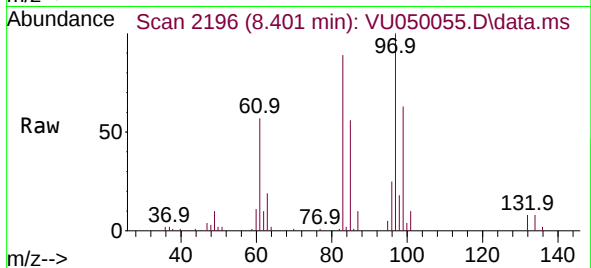




#45
1,1,2-Trichloroethane
Concen: 6.332 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

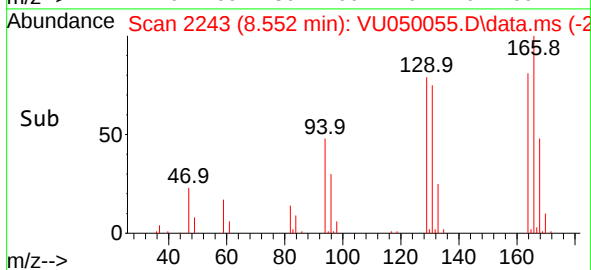
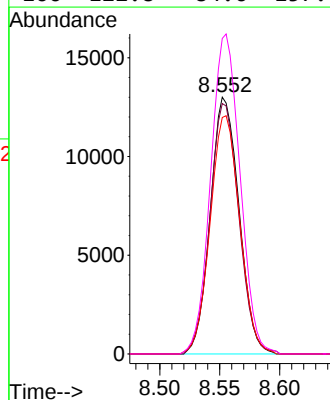
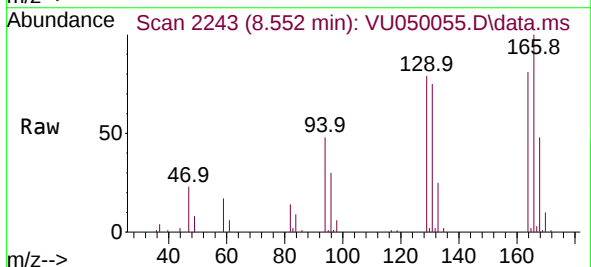
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

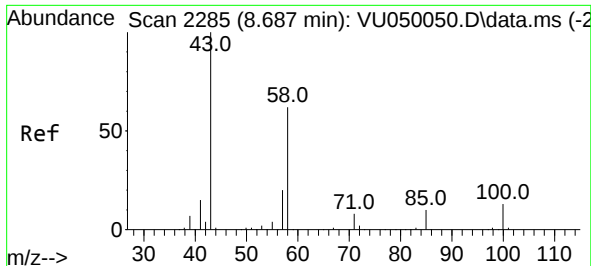
Tgt Ion:	97	Resp:	28259
Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.5	80.9
83	88.6	59.9	111.3
85	55.8	39.9	74.1



#47
Tetrachloroethene
Concen: 5.716 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

Tgt Ion:	164	Resp:	21674
Ion	Ratio	Lower	Upper
164	100		
129	97.5	66.3	123.1
131	92.0	63.1	117.1
166	122.8	84.6	157.0



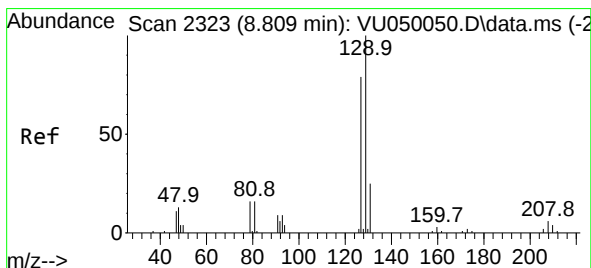
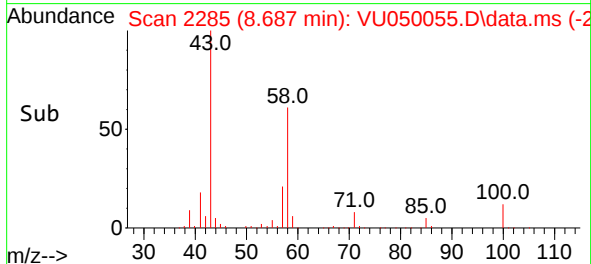
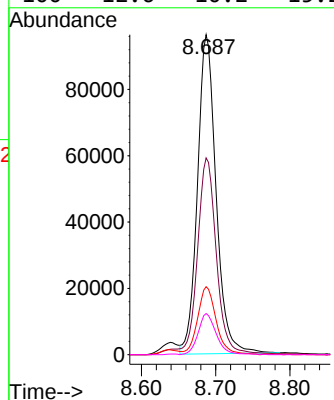
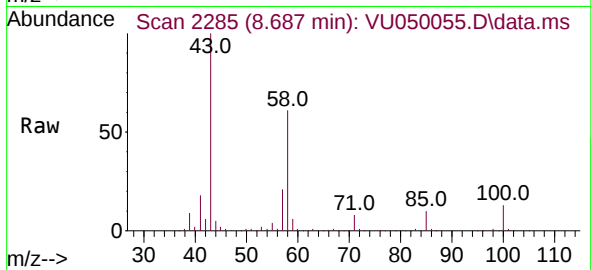


#48
2-Hexanone
Concen: 63.937 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

Tgt Ion: 43 Resp: 168210

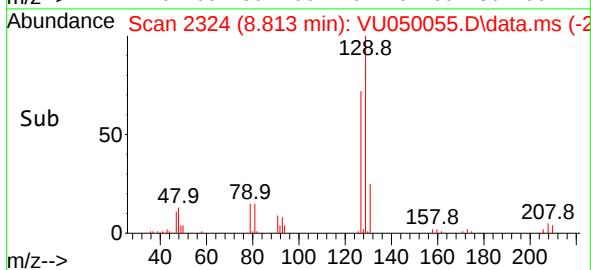
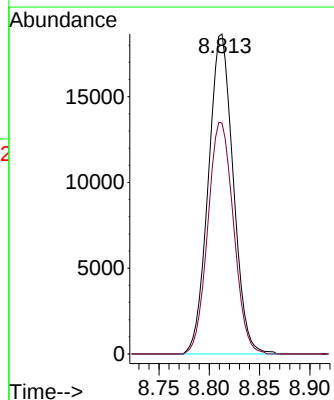
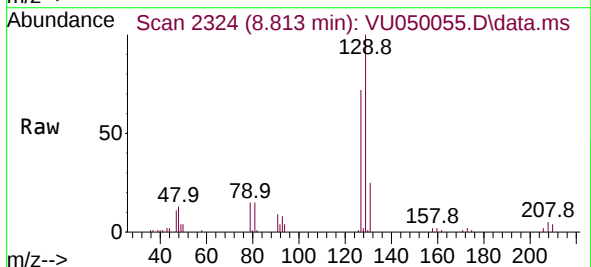
Ion	Ratio	Lower	Upper
43	100		
58	63.9	49.4	74.0
57	21.4	17.0	25.4
100	12.6	10.2	15.2

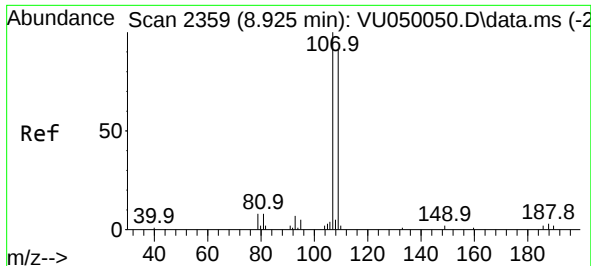


#49
Dibromochloromethane
Concen: 6.572 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

Tgt Ion: 129 Resp: 32096

Ion	Ratio	Lower	Upper
129	100		
127	72.2	54.5	101.1

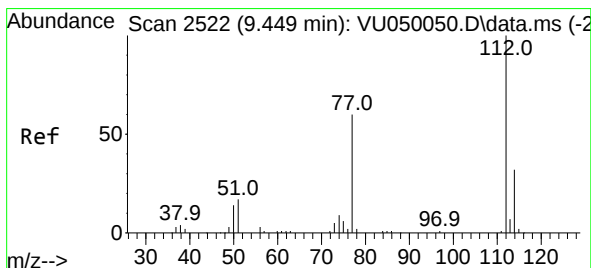
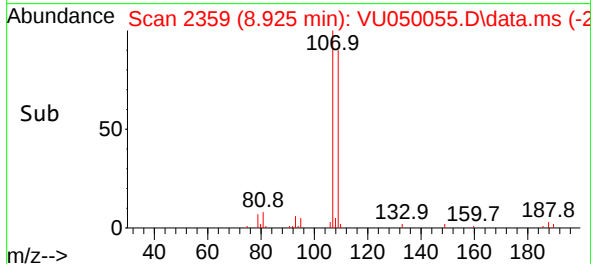
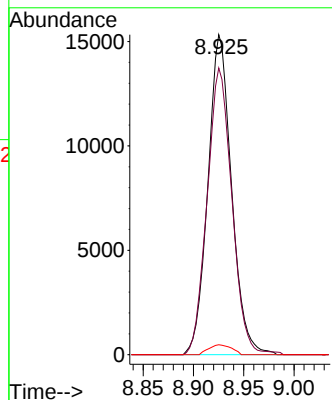
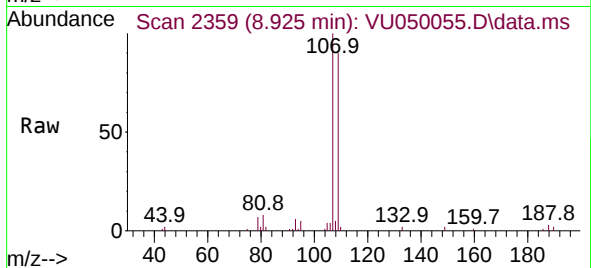




#50
1,2-Dibromoethane
Concen: 6.332 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

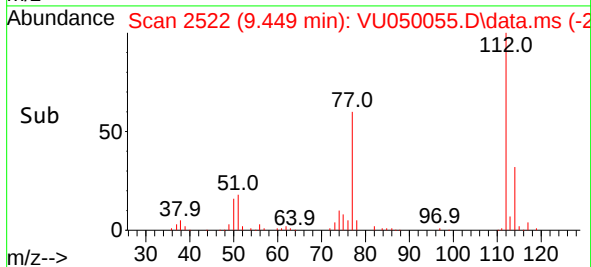
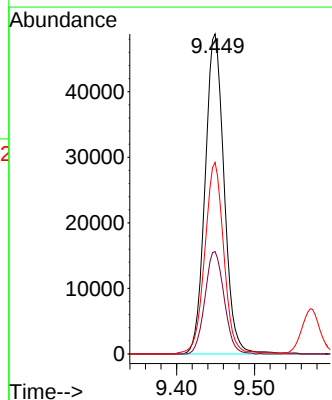
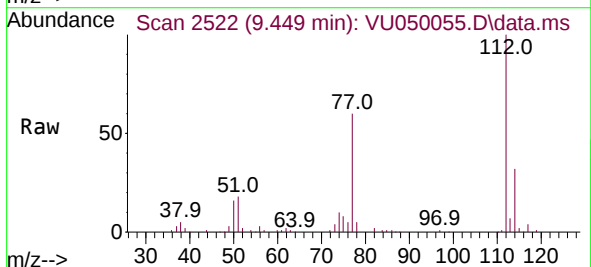
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

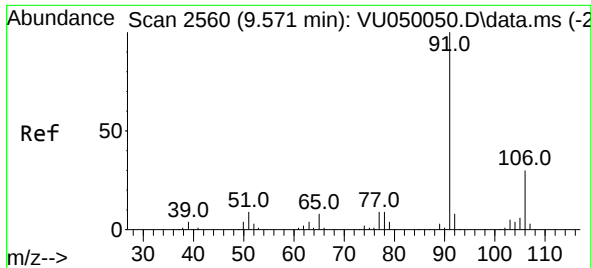
Tgt Ion:107 Resp: 25096
Ion Ratio Lower Upper
107 100
109 89.6 62.7 116.5
188 3.1 2.4 3.6



#51
Chlorobenzene
Concen: 5.903 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

Tgt Ion:112 Resp: 82583
Ion Ratio Lower Upper
112 100
114 32.0 22.4 41.6
77 59.9 48.2 72.4

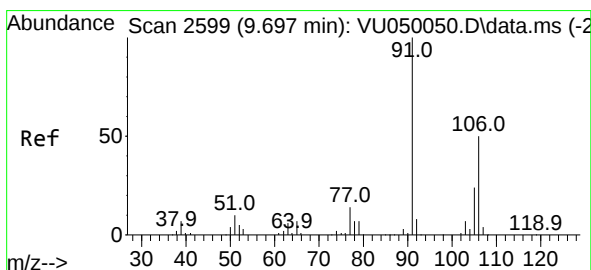
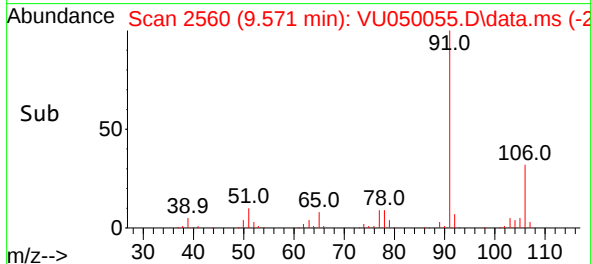
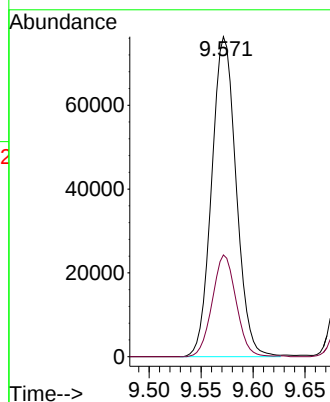
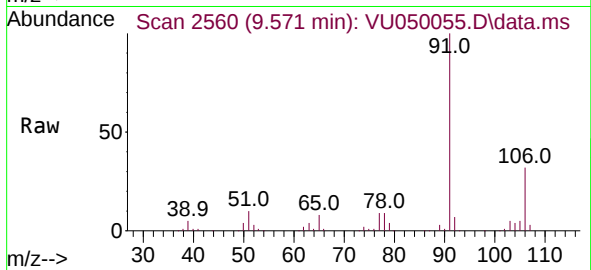




#52
Ethylbenzene
Concen: 5.795 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

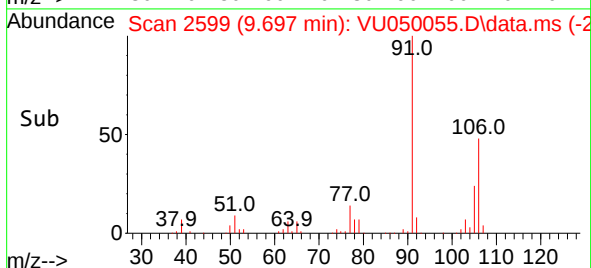
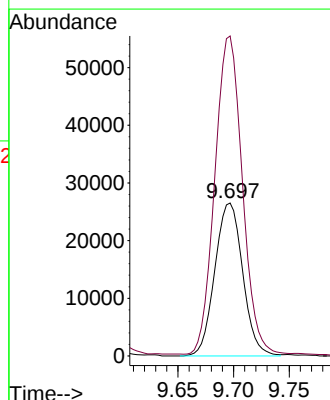
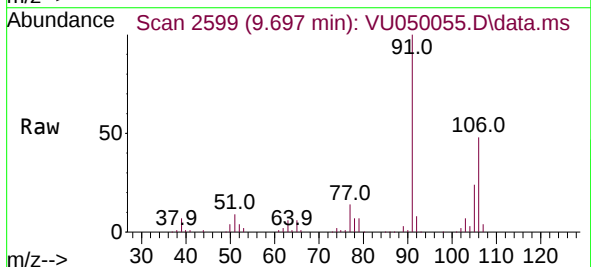
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

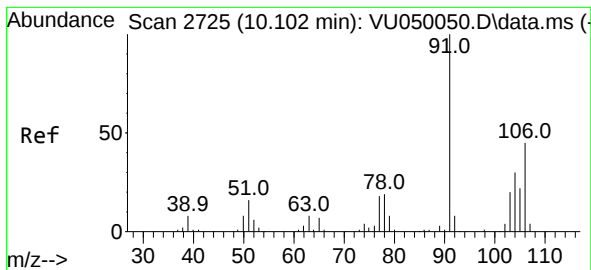
Tgt Ion: 91 Resp: 125112
Ion Ratio Lower Upper
91 100
106 31.8 21.6 40.0



#53
m,p-Xylene
Concen: 5.618 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

Tgt Ion: 106 Resp: 46186
Ion Ratio Lower Upper
106 100
91 209.1 142.4 264.4





#54

o-Xylene

Concen: 5.877 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. 0.000 min

Lab File: VU050055.D

Acq: 03 Aug 2022 16:44

Instrument :

MSVOA_U

ClientSampleId :

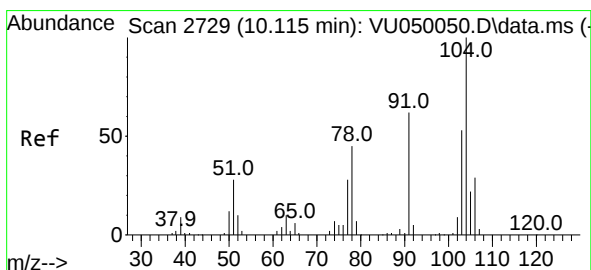
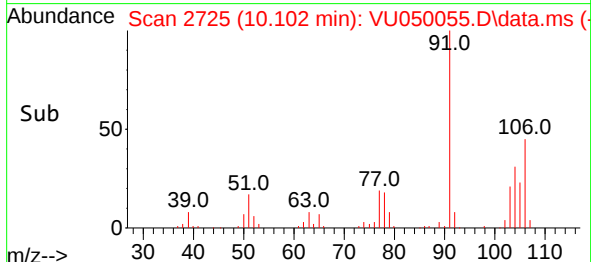
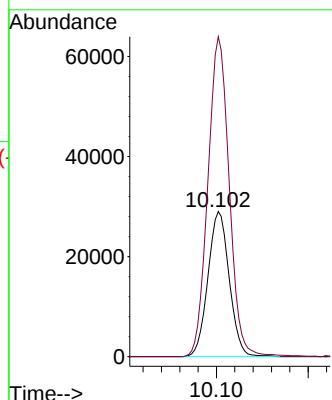
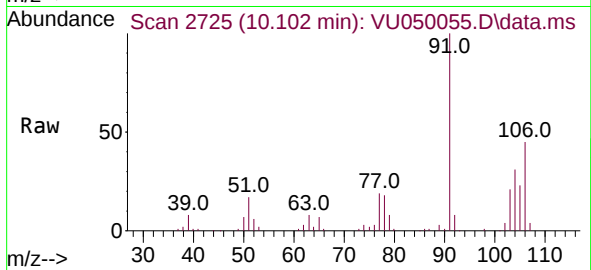
VSTD005145

Tgt Ion:106 Resp: 46838

Ion Ratio Lower Upper

106 100

91 220.5 148.7 276.1



#55

Styrene

Concen: 6.046 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU050055.D

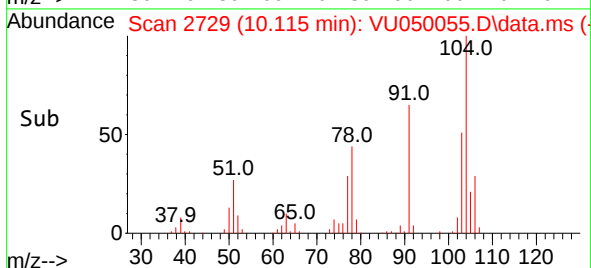
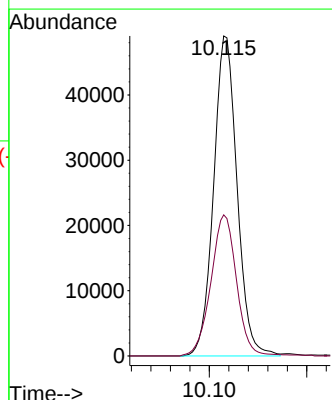
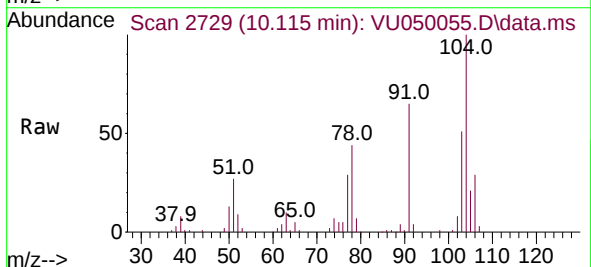
Acq: 03 Aug 2022 16:44

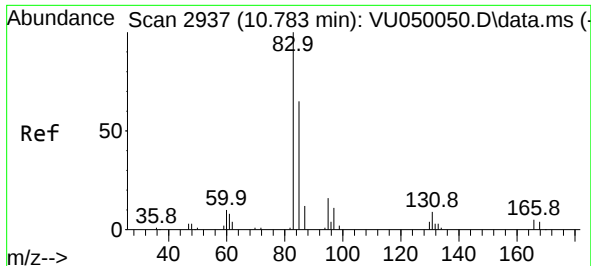
Tgt Ion:104 Resp: 82078

Ion Ratio Lower Upper

104 100

78 44.1 30.9 57.3





#57

1,1,2,2-Tetrachloroethane

Concen: 6.414 ug/L

RT: 10.784 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU050055.D

Acq: 03 Aug 2022 16:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005145

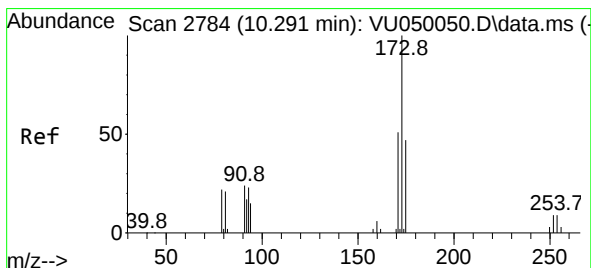
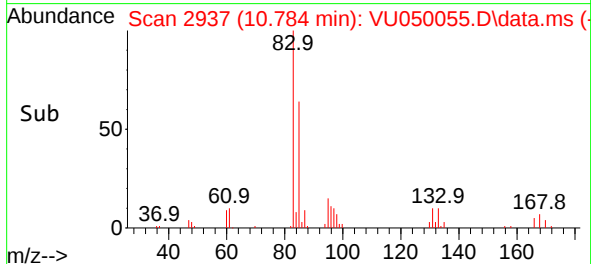
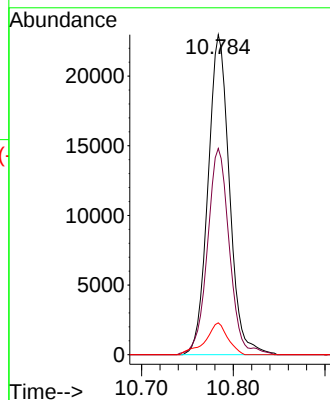
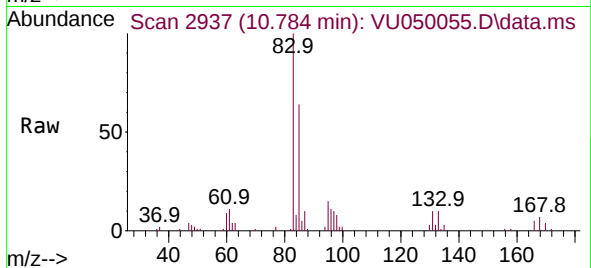
Tgt Ion: 83 Resp: 37260

Ion Ratio Lower Upper

83 100

85 64.4 46.6 86.6

131 9.9 7.9 11.9



#59

Bromoform

Concen: 6.245 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU050055.D

Acq: 03 Aug 2022 16:44

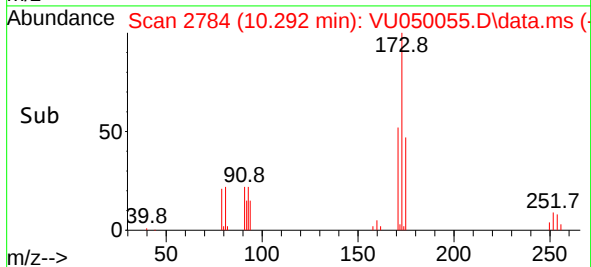
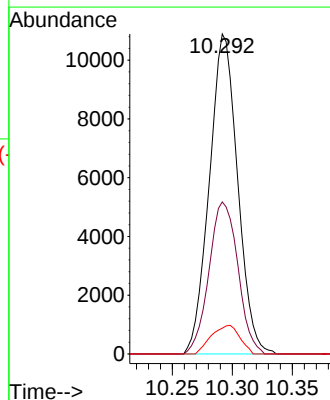
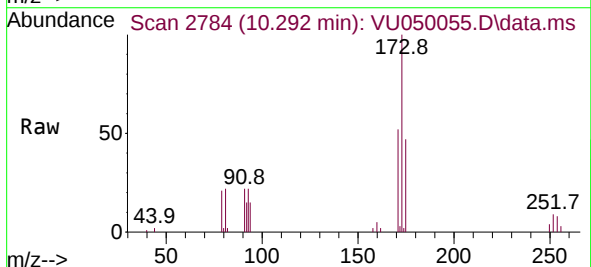
Tgt Ion: 173 Resp: 17822

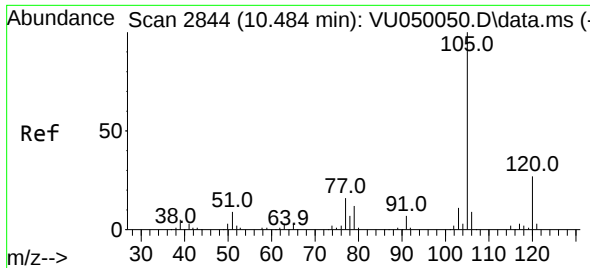
Ion Ratio Lower Upper

173 100

175 48.6 39.1 58.7

254 9.0 7.5 11.3

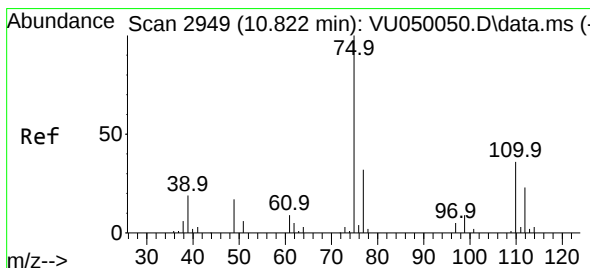
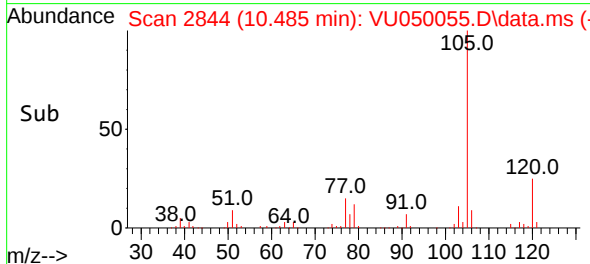
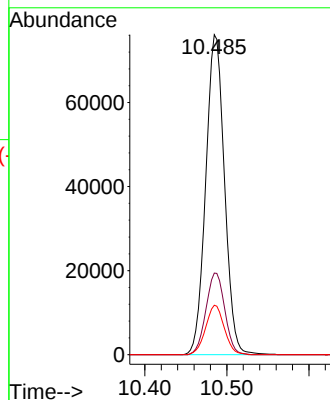
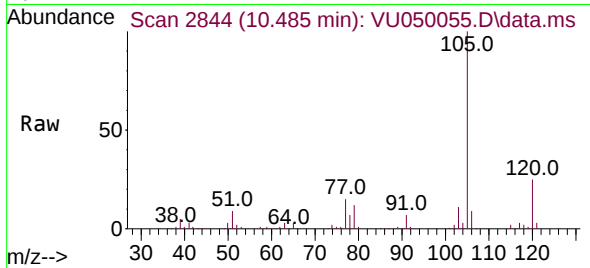




#60
Isopropylbenzene
Concen: 5.754 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

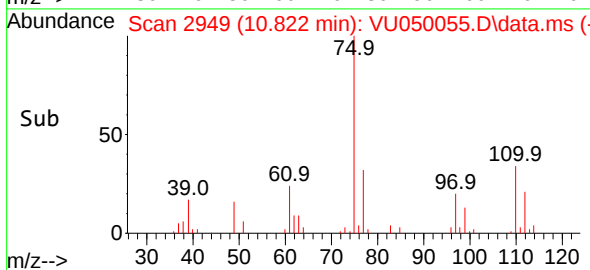
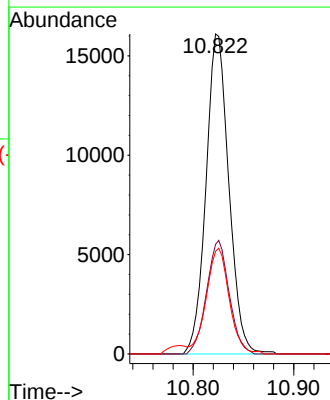
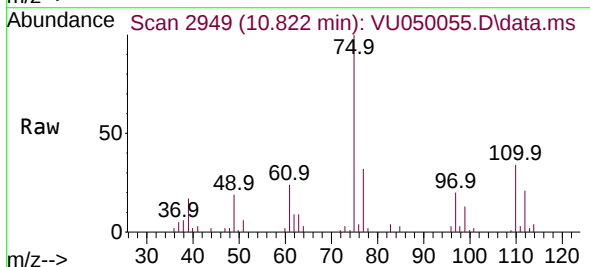
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

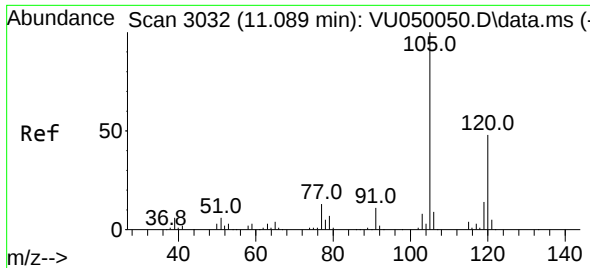
Tgt Ion:105 Resp: 120684
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7
77 15.4 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 6.168 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

Tgt Ion: 75 Resp: 25430
Ion Ratio Lower Upper
75 100
110 35.0 28.1 42.1
77 33.5 24.7 37.1

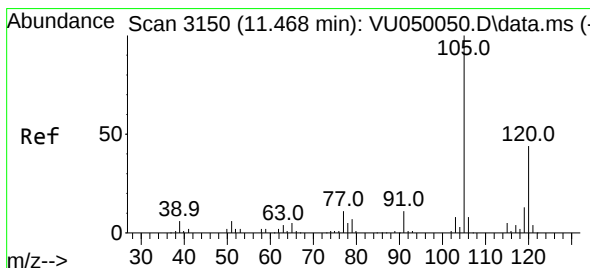
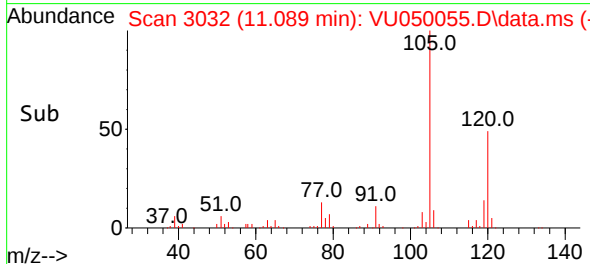
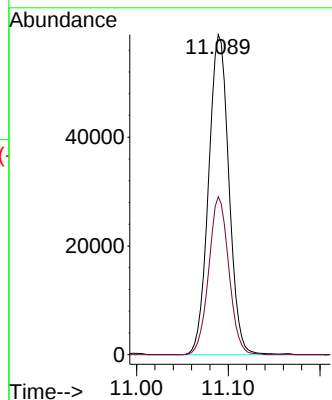
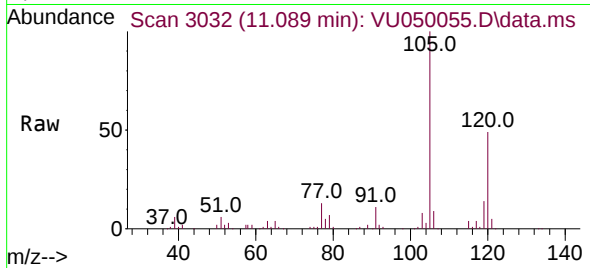




#62
1,3,5-Trimethylbenzene
Concen: 5.315 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

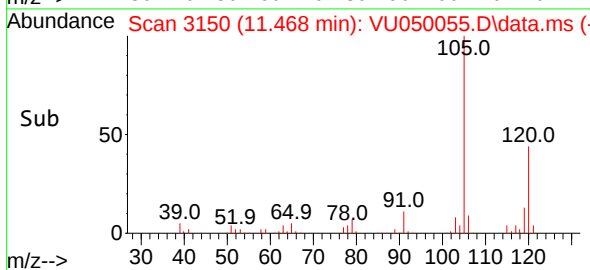
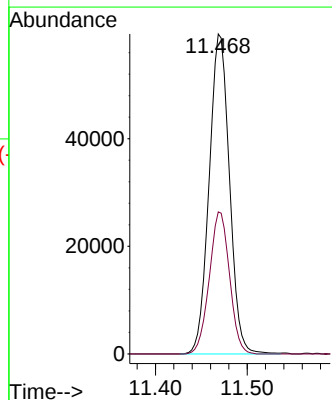
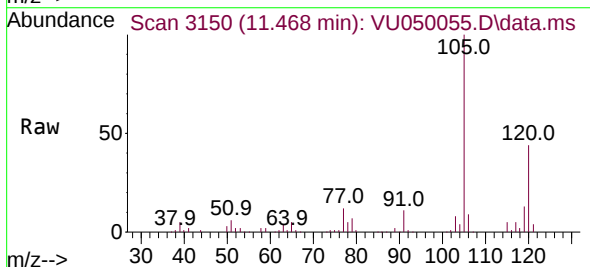
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

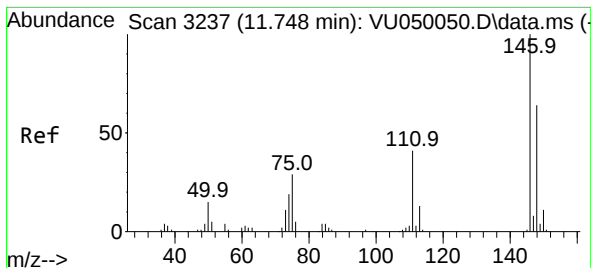
Tgt Ion:105 Resp: 90564
Ion Ratio Lower Upper
105 100
120 48.8 38.2 57.4



#63
1,2,4-Trimethylbenzene
Concen: 5.543 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

Tgt Ion:105 Resp: 91533
Ion Ratio Lower Upper
105 100
120 44.1 35.4 53.2





#64

1,3-Dichlorobenzene

Concen: 5.811 ug/L

RT: 11.748 min Scan# 3237

Delta R.T. 0.000 min

Lab File: VU050055.D

Acq: 03 Aug 2022 16:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005145

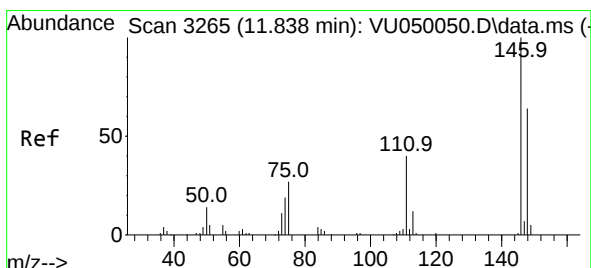
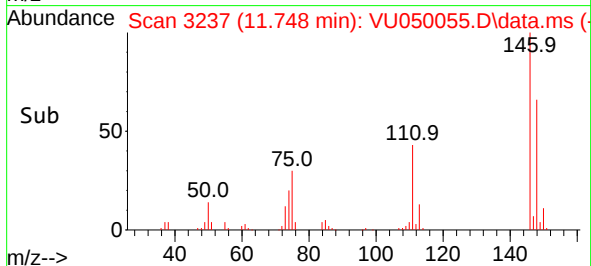
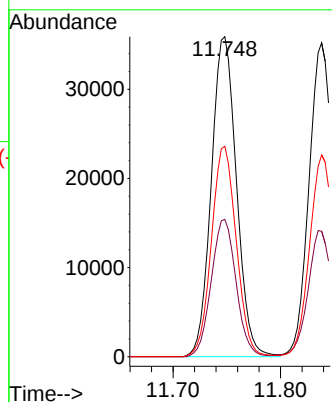
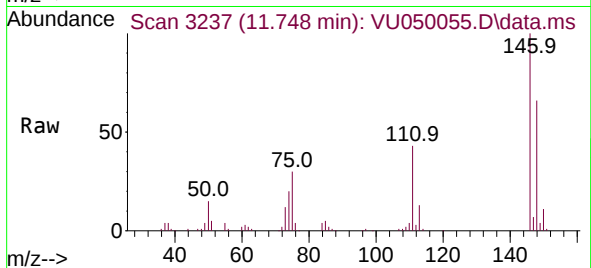
Tgt Ion:146 Resp: 58352

Ion Ratio Lower Upper

146 100

111 42.9 28.9 53.7

148 65.8 45.9 85.3



#65

1,4-Dichlorobenzene

Concen: 5.666 ug/L

RT: 11.838 min Scan# 3265

Delta R.T. 0.000 min

Lab File: VU050055.D

Acq: 03 Aug 2022 16:44

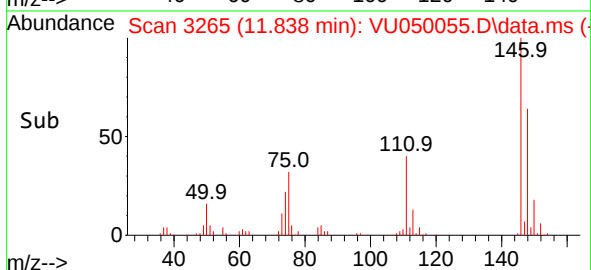
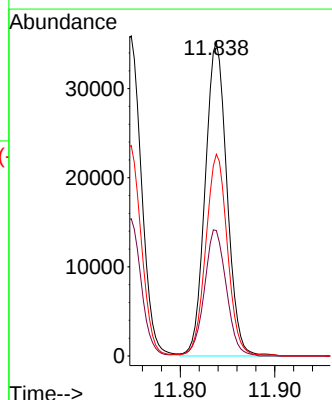
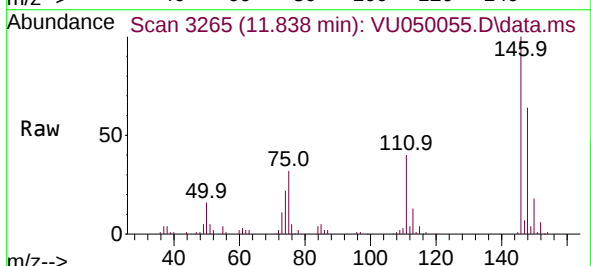
Tgt Ion:146 Resp: 56301

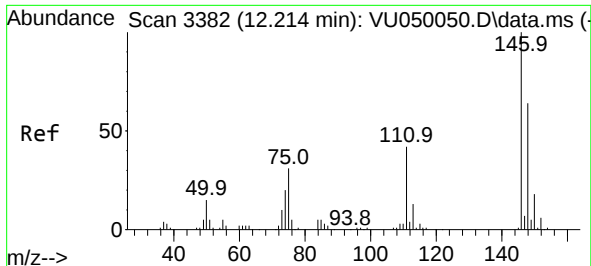
Ion Ratio Lower Upper

146 100

111 40.0 26.4 49.0

148 64.3 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 5.852 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU050055.D

Acq: 03 Aug 2022 16:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005145

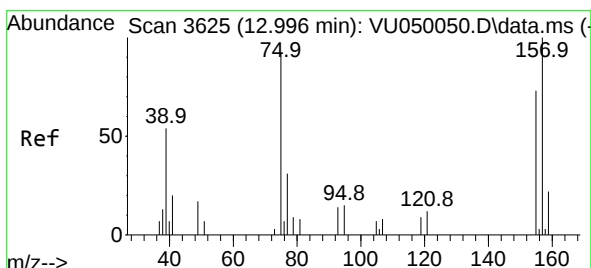
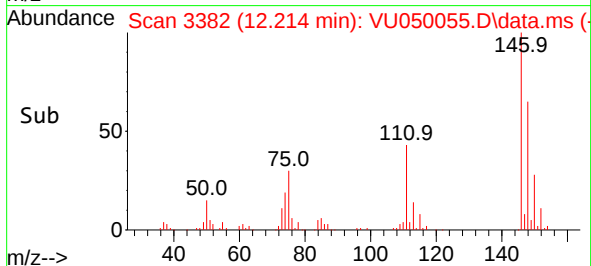
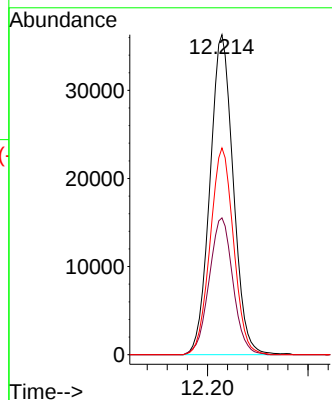
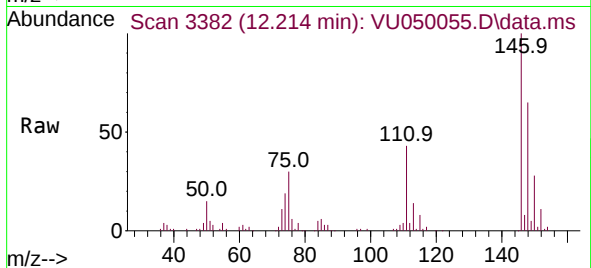
Tgt Ion:146 Resp: 58385

Ion Ratio Lower Upper

146 100

111 42.8 33.4 50.2

148 64.6 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 6.312 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU050055.D

Acq: 03 Aug 2022 16:44

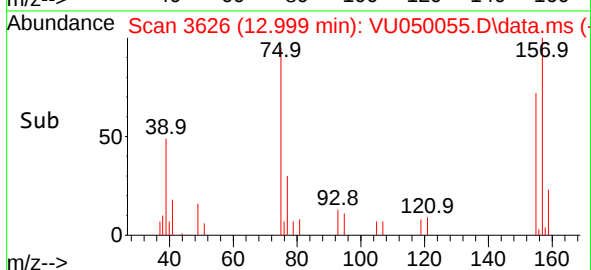
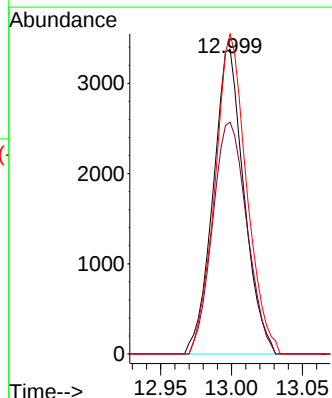
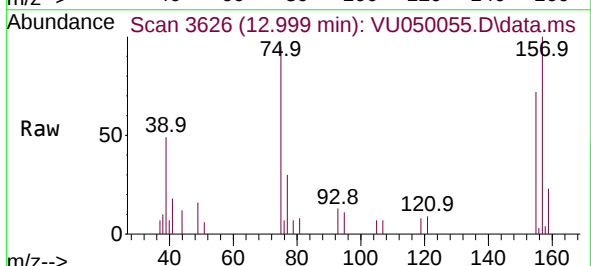
Tgt Ion: 75 Resp: 5141

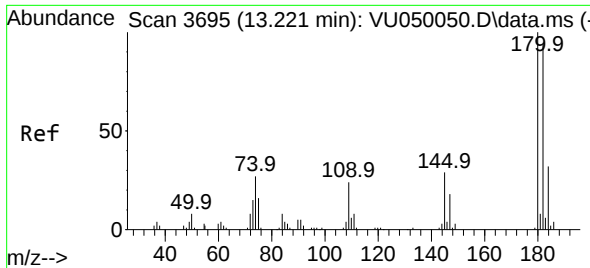
Ion Ratio Lower Upper

75 100

155 76.1 59.4 89.0

157 105.1 73.8 110.6

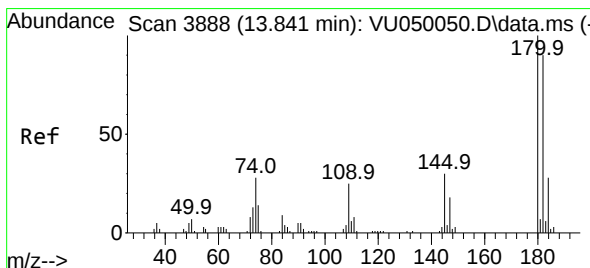
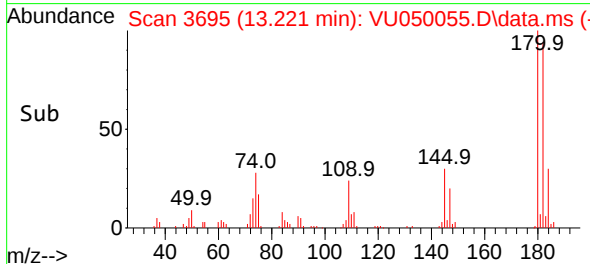
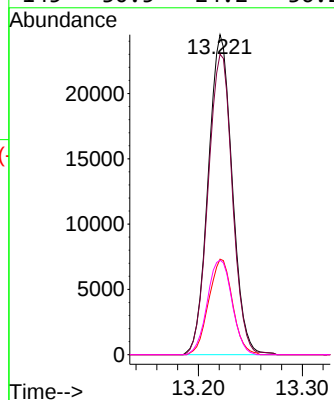
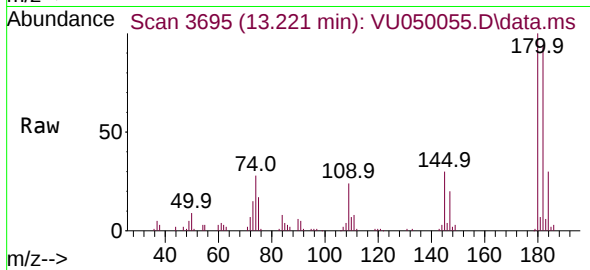




#69
 1,3,5-Trichlorobenzene
 Concen: 5.408 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU050055.D
 Acq: 03 Aug 2022 16:44

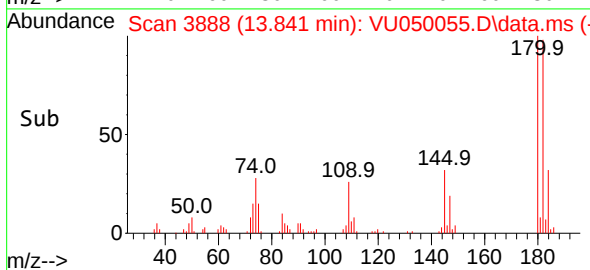
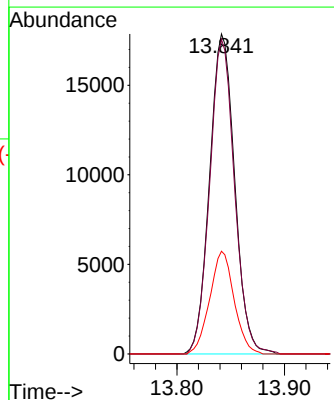
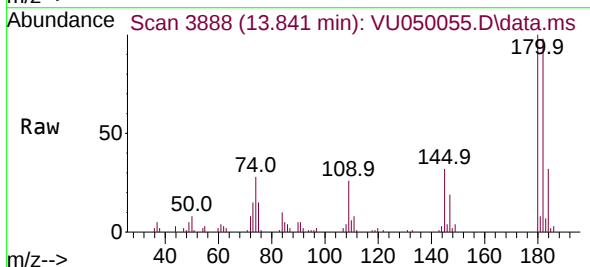
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005145

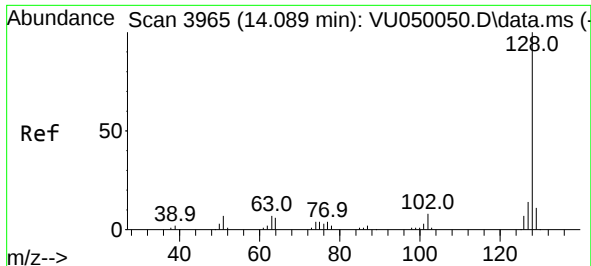
Tgt Ion:	180	Resp:	39160
Ion Ratio	Lower	Upper	
180	100		
182	94.9	77.2	115.8
184	29.7	23.9	35.9
145	30.5	24.2	36.2



#70
 1,2,4-trichlorobenzene
 Concen: 5.009 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU050055.D
 Acq: 03 Aug 2022 16:44

Tgt Ion:	180	Resp:	28932
Ion Ratio	Lower	Upper	
180	100		
182	97.0	75.8	113.6
145	31.3	23.8	35.8

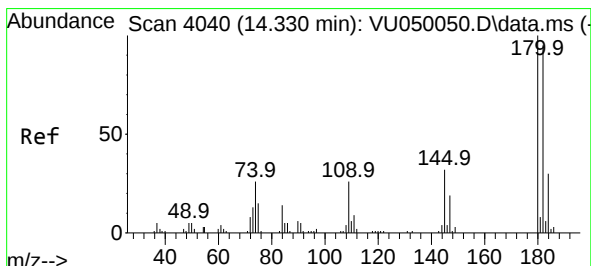
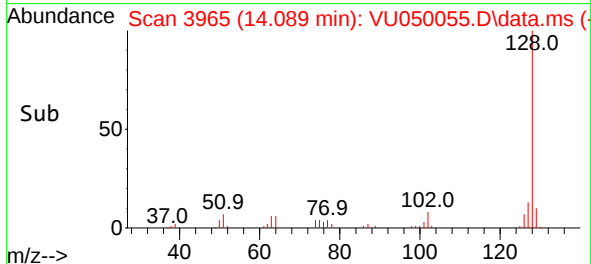
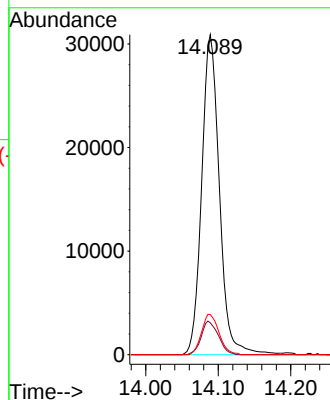
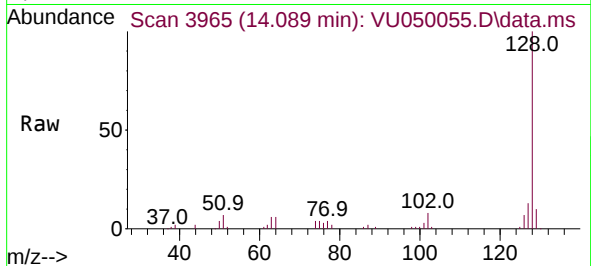




#71
Naphthalene
Concen: 4.574 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

Tgt Ion:128	Resp:	52383
Ion Ratio	Lower	Upper
128	100	
129	10.1	8.5 12.7
127	12.4	10.3 15.5



#72
1,2,3-Trichlorobenzene
Concen: 5.154 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU050055.D
Acq: 03 Aug 2022 16:44

Tgt Ion:180	Resp:	29548
Ion Ratio	Lower	Upper
180	100	
182	95.6	77.0 115.4
145	32.9	26.3 39.5

