

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092222\
 Data File : VU050913.D
 Acq On : 22 Sep 2022 21:10
 Operator : JC/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050092

Quant Time: Sep 23 01:14:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 23 01:08:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	445542	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	430644	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	206437	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	141563	30.667	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.340%
7) Chloroethane-d5	1.903	69	125610	38.208	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.420%
11) 1,1-Dichloroethene-d2	2.565	63	266254	37.069	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.140%
21) 2-Butanone-d5	4.617	46	347927	116.748	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.750%
24) Chloroform-d	5.060	84	308822	42.690	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.380%
26) 1,2-Dichloroethane-d4	5.700	65	192578	43.197	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.400%
32) Benzene-d6	5.726	84	580075	40.895	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.780%
36) 1,2-Dichloropropane-d6	6.687	67	202957	42.389	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.780%
41) Toluene-d8	7.896	98	506057	40.814	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.620%
43) trans-1,3-Dichloroprop...	8.176	79	87297	41.912	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.820%
47) 2-Hexanone-d5	8.629	63	211251	107.066	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.070%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	350858	48.065	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.120%
66) 1,2-Dichlorobenzene-d4	12.192	152	189909	43.937	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	212750	46.115	ug/L	100
3) Chloromethane	1.520	50	240909	44.917	ug/L	97
5) Vinyl chloride	1.604	62	244165	46.501	ug/L	98
6) Bromomethane	1.842	94	140653	53.025	ug/L	99
8) Chloroethane	1.925	64	144864	49.830	ug/L	98
9) Trichlorofluoromethane	2.134	101	283105	49.708	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	173612	47.625	ug/L	100
12) 1,1-Dichloroethene	2.578	96	162286	47.379	ug/L	87
13) Acetone	2.620	43	229194	90.827	ug/L	98
14) Carbon disulfide	2.790	76	499554	46.121	ug/L	100
15) Methyl Acetate	2.941	43	243202	51.071	ug/L	98
16) Methylene chloride	3.041	84	211257	44.419	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	168807	48.083	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	535009	49.989	ug/L	99
19) 1,1-Dichloroethane	3.864	63	339939	47.921	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	197229	50.668	ug/L	100
22) 2-Butanone	4.694	43	363916	109.409	ug/L	100
23) Bromochloromethane	4.970	128	98725	48.392	ug/L	97
25) Chloroform	5.086	83	345795	48.913	ug/L	99

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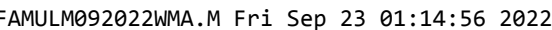
Instrument :
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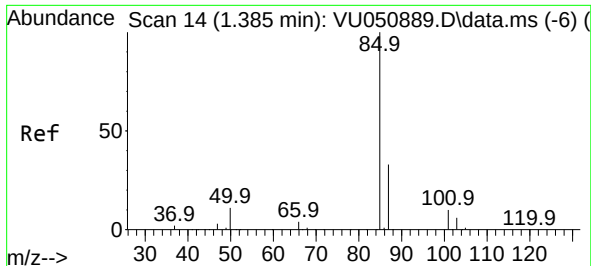
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	265292	49.379	ug/L	100
29) Cyclohexane	5.388	56	288717	48.717	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	284387	49.638	ug/L	99
31) Carbon tetrachloride	5.523	117	236130	49.613	ug/L	99
33) Benzene	5.771	78	783656	49.447	ug/L	100
34) Trichloroethene	6.539	95	185280	50.329	ug/L	98
35) Methylcyclohexane	6.761	83	292864	49.373	ug/L	98
37) 1,2-Dichloropropane	6.790	63	209817	48.381	ug/L	100
38) Bromodichloromethane	7.102	83	258058	49.944	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	279078	48.089	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	658860	110.238	ug/L	99
42) Toluene	7.967	91	810156	51.494	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	271171	49.120	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	203557	50.933	ug/L	99
46) Tetrachloroethene	8.552	164	131116	49.562	ug/L	100
48) 2-Hexanone	8.681	43	554301	110.991	ug/L	99
49) Dibromochloromethane	8.809	129	197045	50.284	ug/L	98
50) 1,2-Dibromoethane	8.922	107	210742	50.824	ug/L	99
51) Chlorobenzene	9.446	112	472464	49.189	ug/L	100
52) Ethylbenzene	9.568	91	803015	51.162	ug/L	99
53) m,p-Xylene	9.690	106	303396	51.994	ug/L	97
54) o-Xylene	10.099	106	303633	52.224	ug/L	100
55) Styrene	10.112	104	533651	53.535	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	362570	49.029	ug/L	98
59) Bromoform	10.288	173	149502	50.175	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	292975	50.456	ug/L	99
61) Isopropylbenzene	10.481	105	777248	52.685	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	638045	52.611	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	648276	53.977	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	338684	50.202	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	339437	49.559	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	364454	51.020	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.992	75	88840	55.628	ug/L	96
69) 1,3,5-Trichlorobenzene	13.218	180	230130	48.754	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	191475	49.569	ug/L	99
71) Naphthalene	14.086	128	796169	53.629	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	221028	51.125	ug/L	99

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

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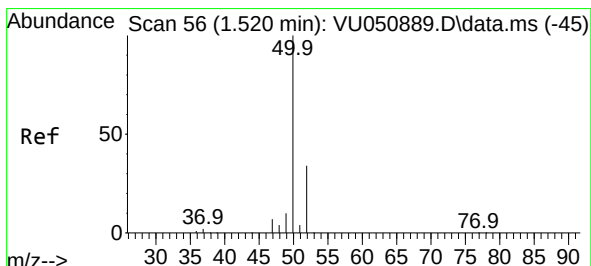
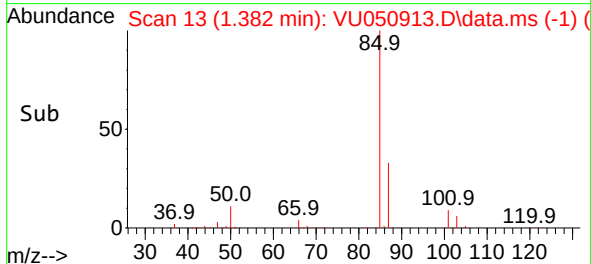
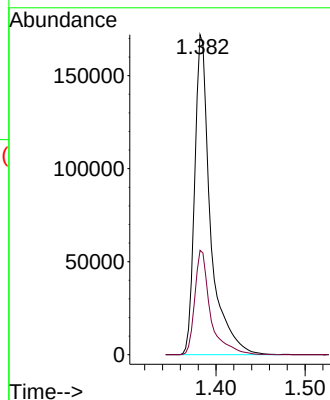
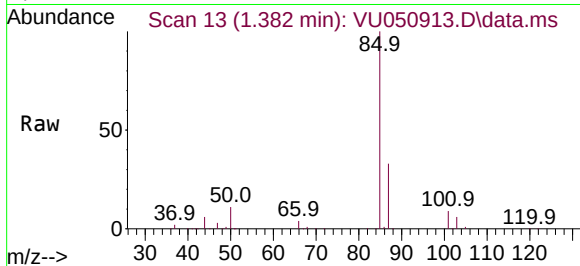




#2
 Dichlorodifluoromethane
 Concen: 46.115 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VU050913.D
 Acq: 22 Sep 2022 21:10

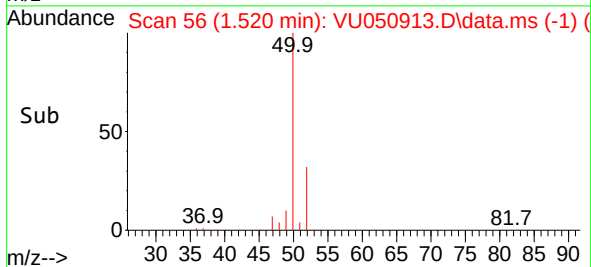
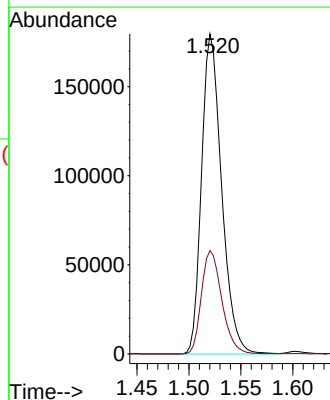
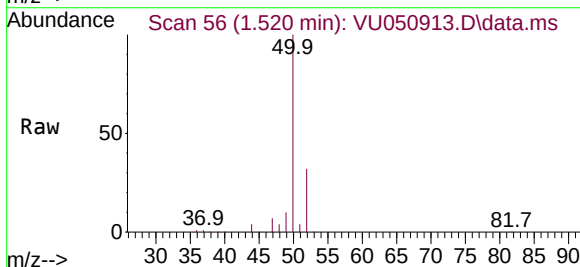
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050092

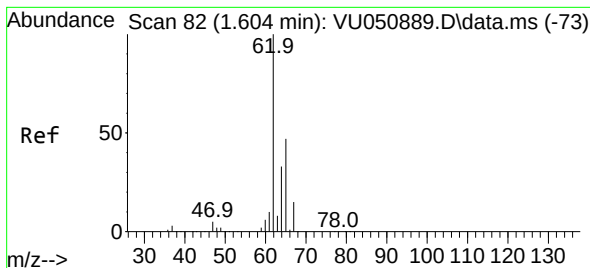
Tgt Ion: 85 Resp: 212750
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.8 38.8



#3
 Chloromethane
 Concen: 44.917 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU050913.D
 Acq: 22 Sep 2022 21:10

Tgt Ion: 50 Resp: 240909
 Ion Ratio Lower Upper
 50 100
 52 32.3 23.7 43.9





#5

Vinyl chloride

Concen: 46.501 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU050913.D

Acq: 22 Sep 2022 21:10

Instrument :

MSVOA_U

ClientSampleId :

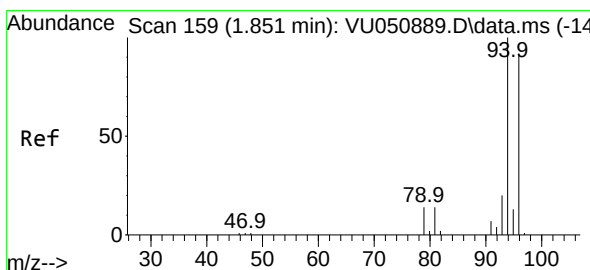
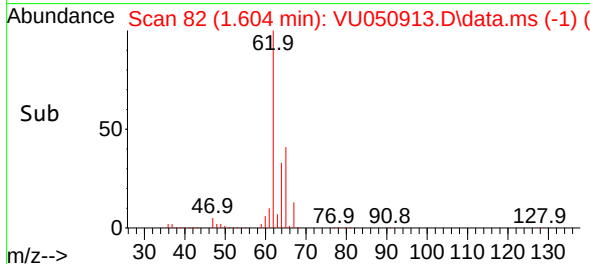
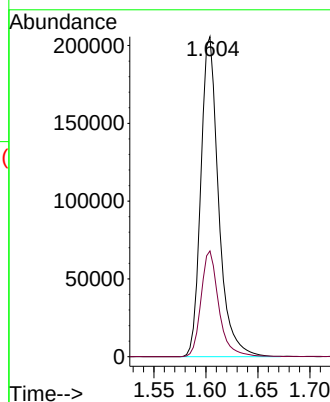
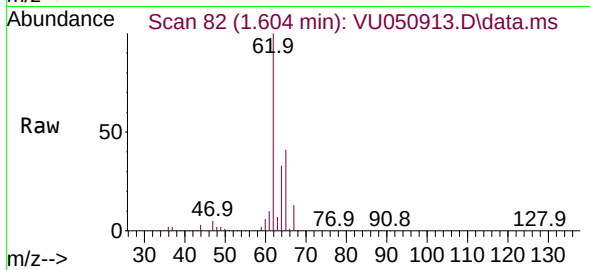
VSTD050092

Tgt Ion: 62 Resp: 244165

Ion Ratio Lower Upper

62 100

64 33.1 22.2 41.2



#6

Bromomethane

Concen: 53.025 ug/L

RT: 1.842 min Scan# 156

Delta R.T. -0.009 min

Lab File: VU050913.D

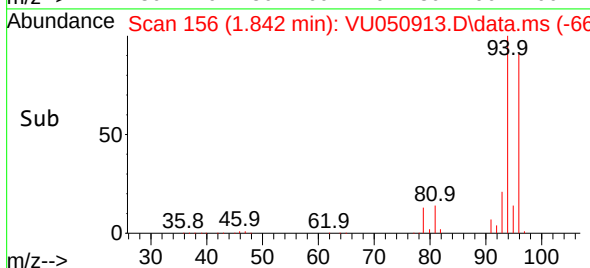
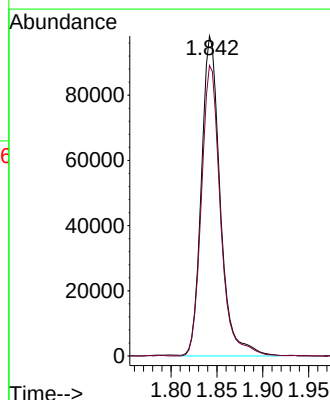
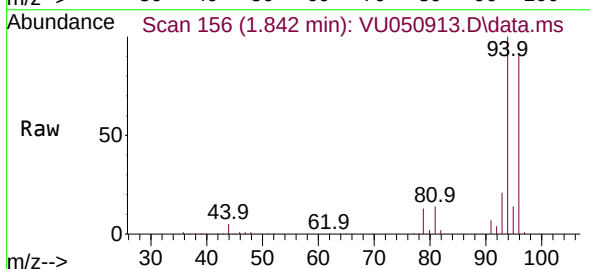
Acq: 22 Sep 2022 21:10

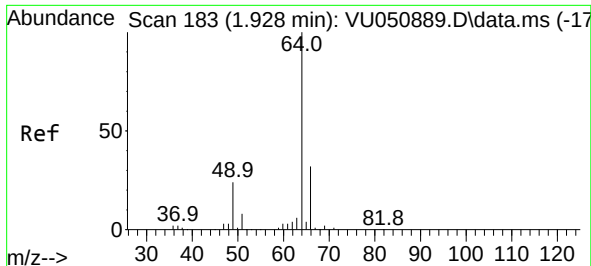
Tgt Ion: 94 Resp: 140653

Ion Ratio Lower Upper

94 100

96 90.8 64.0 119.0

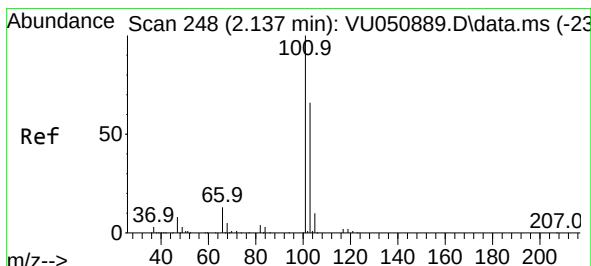
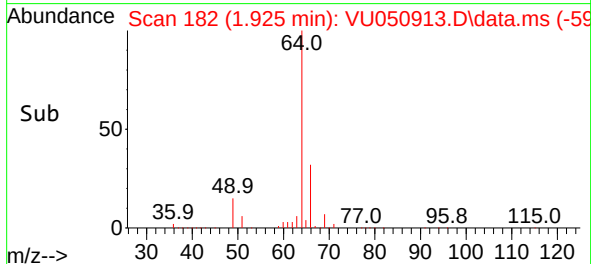
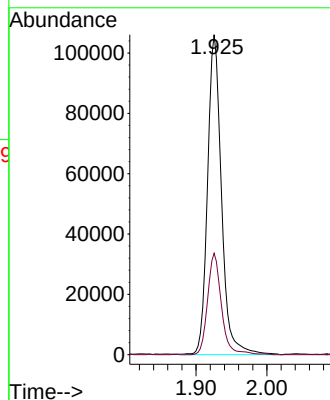
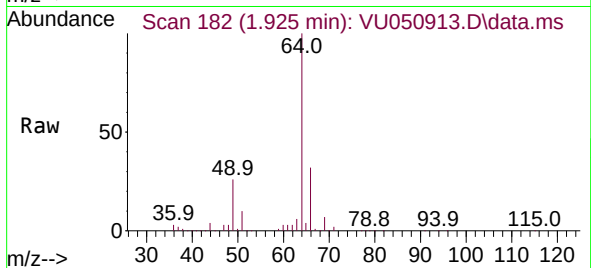




#8
Chloroethane
Concen: 49.830 ug/L
RT: 1.925 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

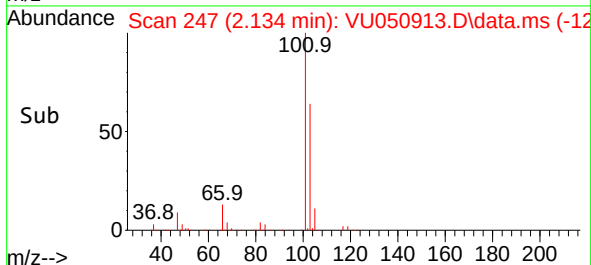
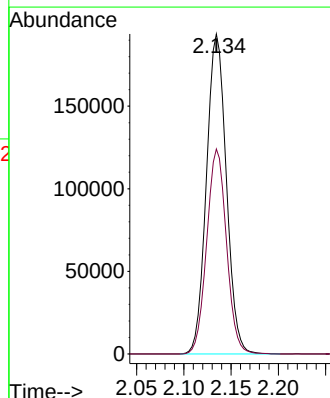
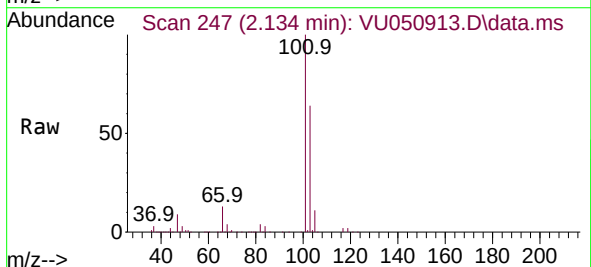
Instrument :
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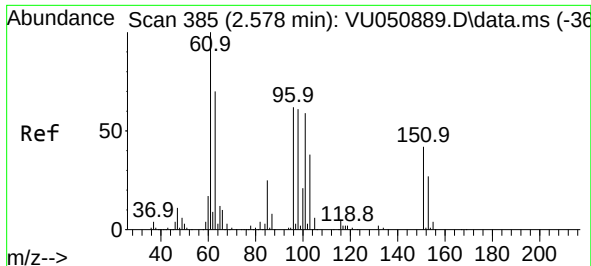
Tgt Ion: 64 Resp: 144864
Ion Ratio Lower Upper
64 100
66 31.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 49.708 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

Tgt Ion:101 Resp: 283105
Ion Ratio Lower Upper
101 100
103 63.6 50.9 76.3

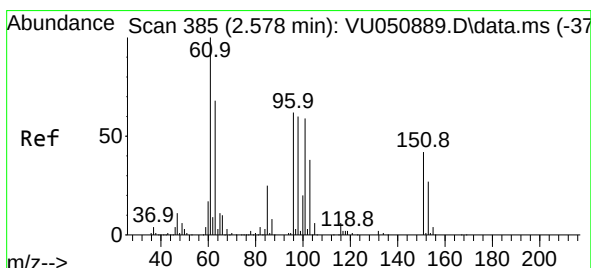
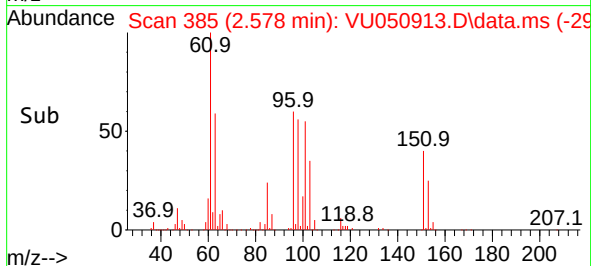
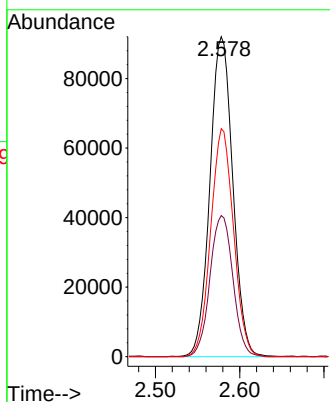
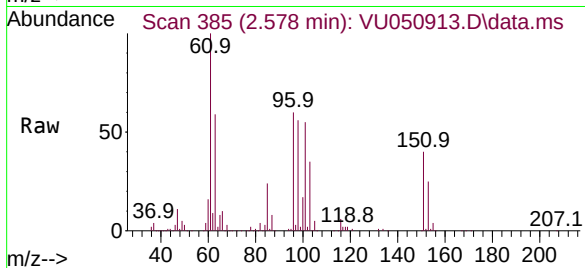




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.625 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU050913.D
 Acq: 22 Sep 2022 21:10

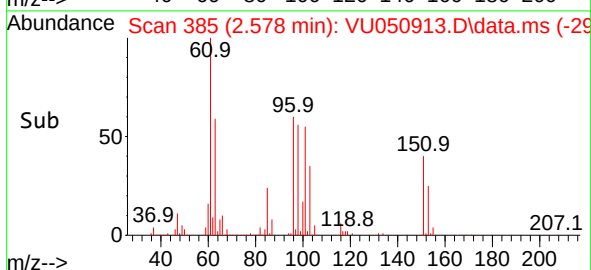
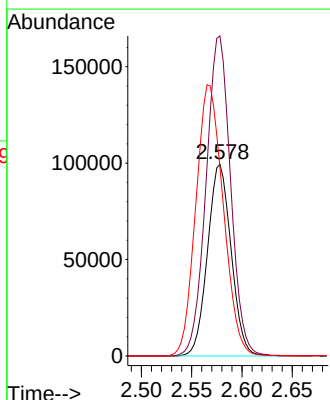
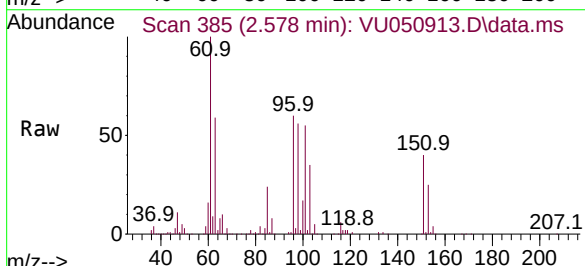
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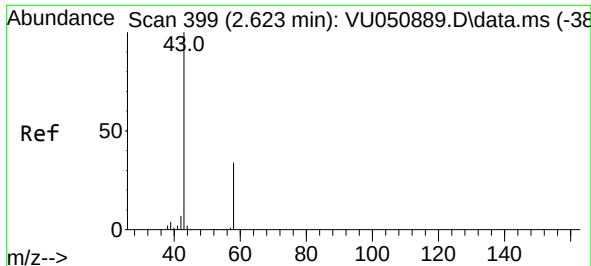
Tgt Ion:101 Resp: 173612
 Ion Ratio Lower Upper
 101 100
 85 44.2 35.1 52.7
 151 71.1 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 47.379 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU050913.D
 Acq: 22 Sep 2022 21:10

Tgt Ion: 96 Resp: 162286
 Ion Ratio Lower Upper
 96 100
 61 166.9 118.6 220.2
 63 98.3 90.4 168.0





#13

Acetone

Concen: 90.827 ug/L

RT: 2.620 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU050913.D

Acq: 22 Sep 2022 21:10

Instrument :

MSVOA_U

ClientSampleId :

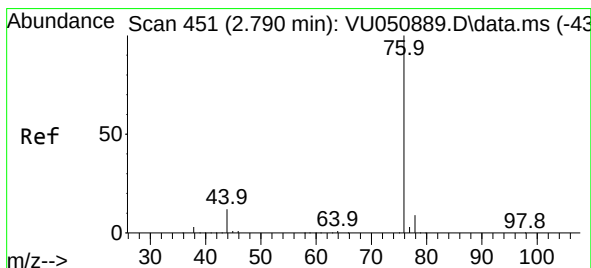
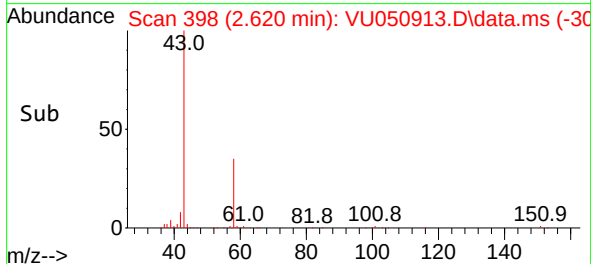
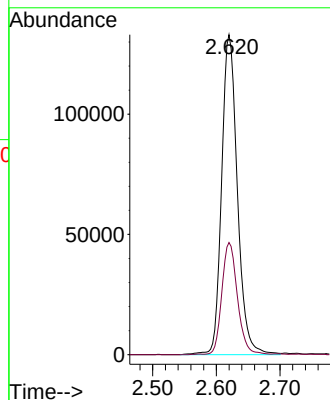
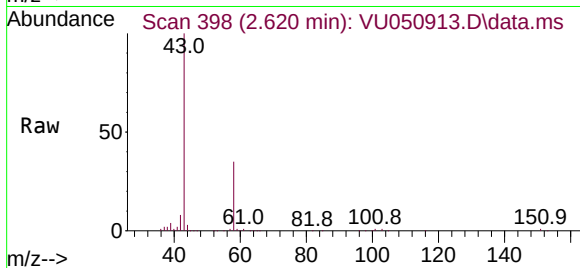
VSTD050092

Tgt Ion: 43 Resp: 229194

Ion Ratio Lower Upper

43 100

58 34.6 0.0 71.4



#14

Carbon disulfide

Concen: 46.121 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU050913.D

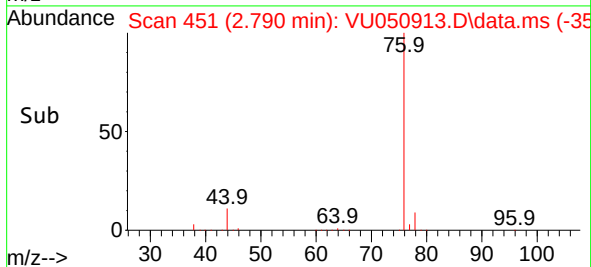
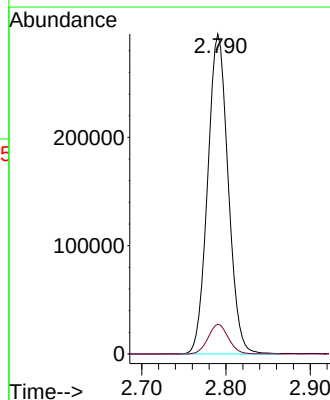
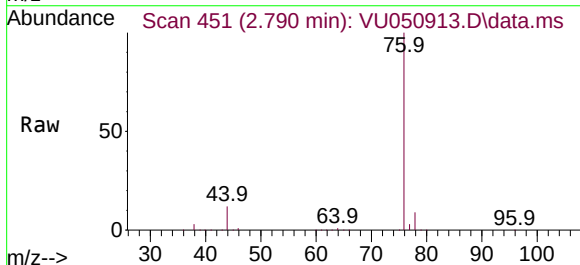
Acq: 22 Sep 2022 21:10

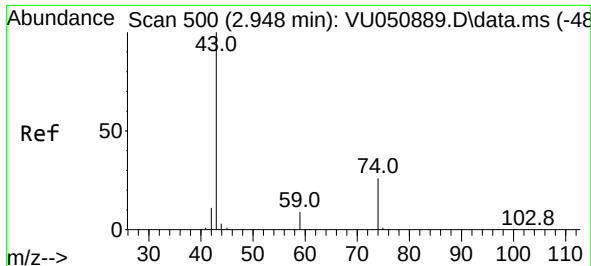
Tgt Ion: 76 Resp: 499554

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

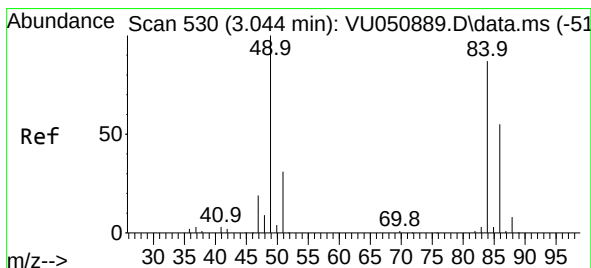
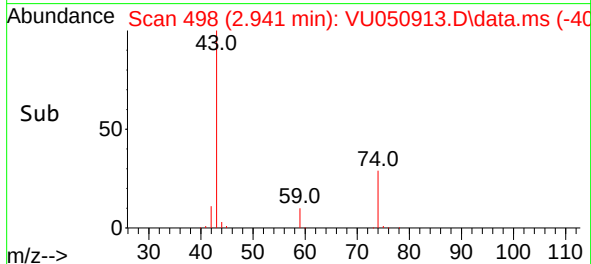
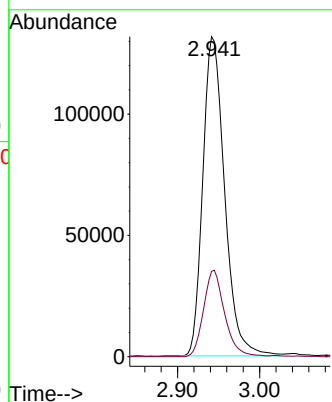
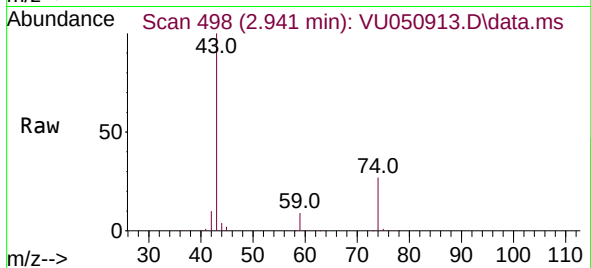




#15
Methyl Acetate
Concen: 51.071 ug/L
RT: 2.941 min Scan# 498
Delta R.T. -0.006 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

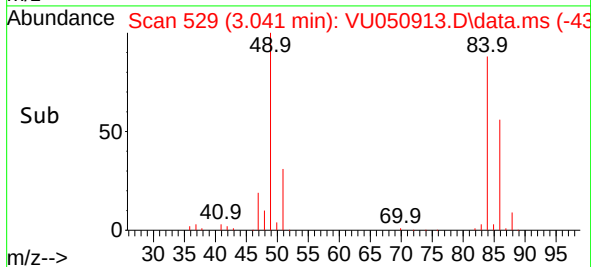
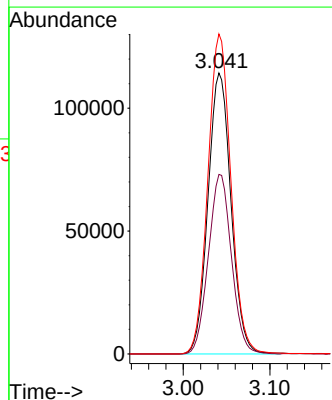
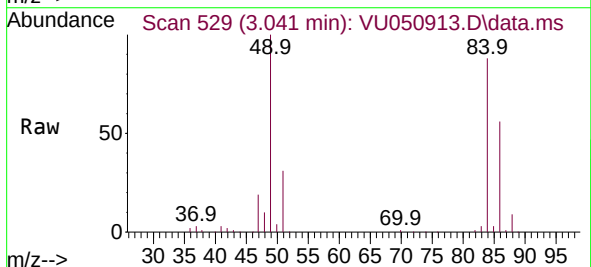
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

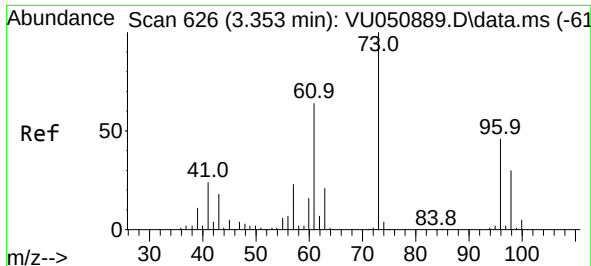
Tgt Ion: 43 Resp: 243202
Ion Ratio Lower Upper
43 100
74 26.1 19.9 29.9



#16
Methylene chloride
Concen: 44.419 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

Tgt Ion: 84 Resp: 211257
Ion Ratio Lower Upper
84 100
86 63.9 44.4 82.5
49 113.9 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 48.083 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU050913.D

Acq: 22 Sep 2022 21:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD050092

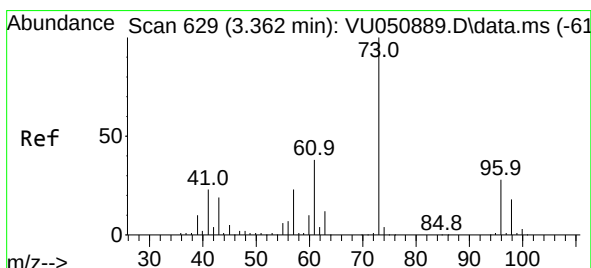
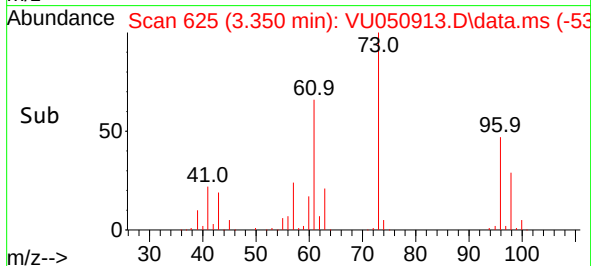
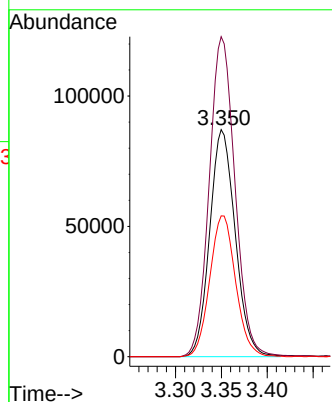
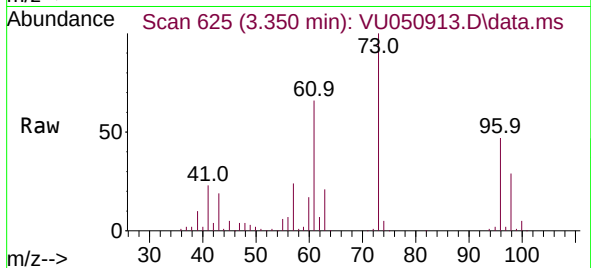
Tgt Ion: 96 Resp: 168807

Ion Ratio Lower Upper

96 100

61 140.9 98.0 182.0

98 62.0 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 49.989 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.003 min

Lab File: VU050913.D

Acq: 22 Sep 2022 21:10

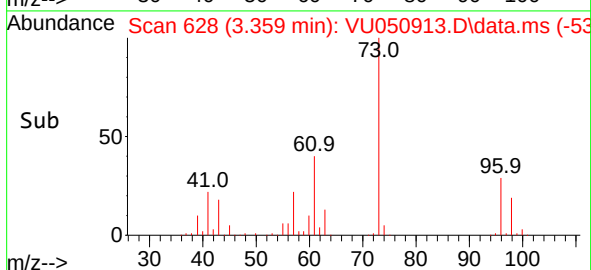
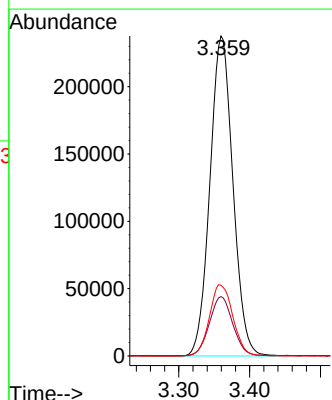
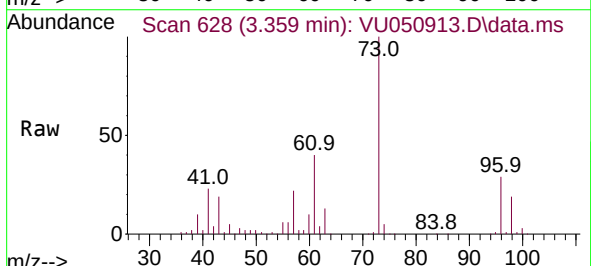
Tgt Ion: 73 Resp: 535009

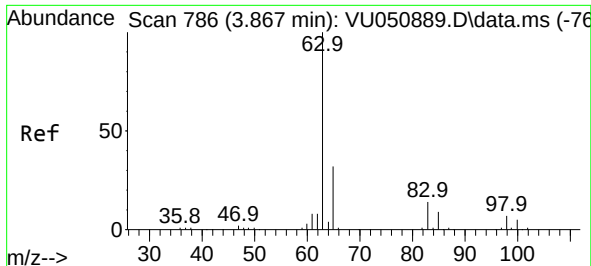
Ion Ratio Lower Upper

73 100

43 18.7 14.4 21.6

57 22.7 18.6 27.8

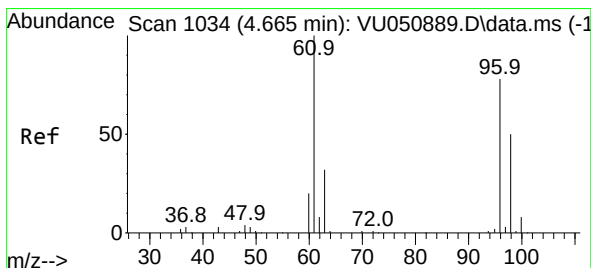
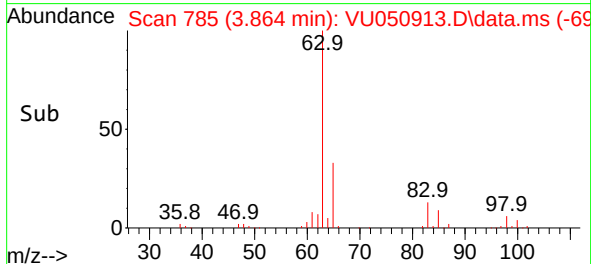
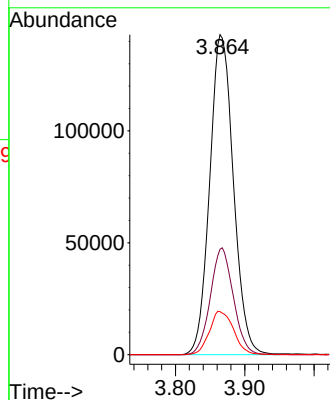
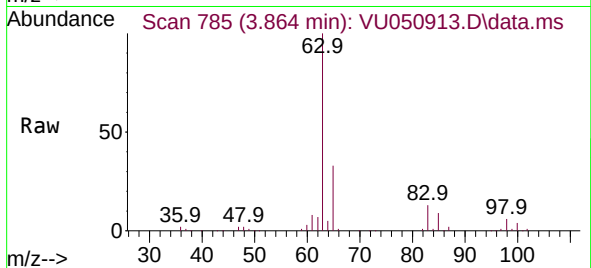




#19
1,1-Dichloroethane
Concen: 47.921 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.003 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

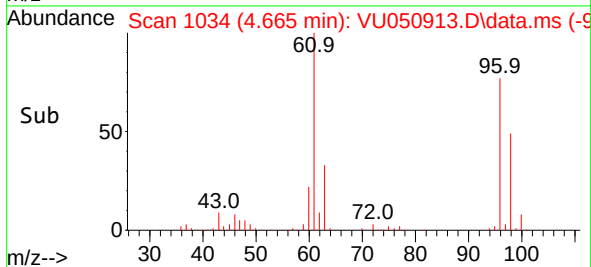
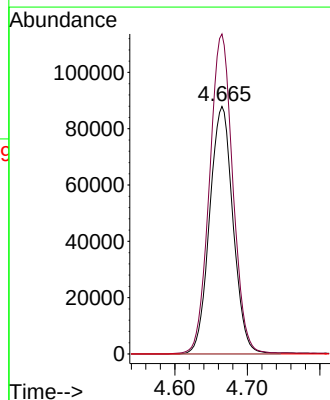
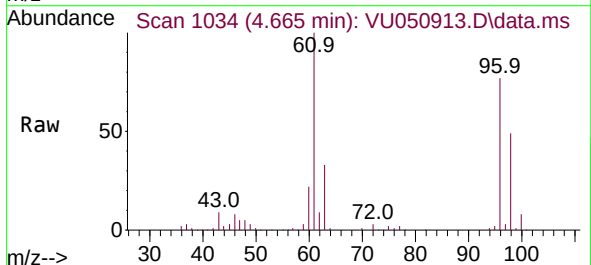
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

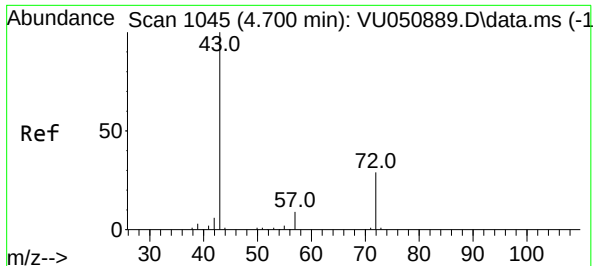
Tgt Ion: 63 Resp: 339939
Ion Ratio Lower Upper
63 100
65 33.0 21.5 39.9
83 13.5 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 50.668 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

Tgt Ion: 96 Resp: 197229
Ion Ratio Lower Upper
96 100
61 129.3 90.1 167.3
68 0.0 0.0 0.0

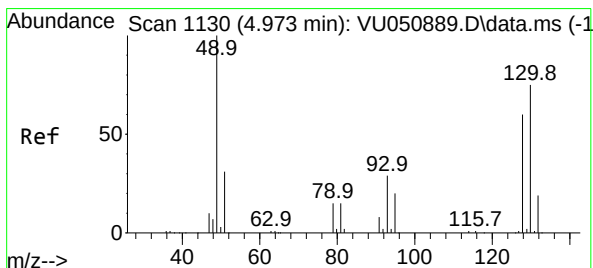
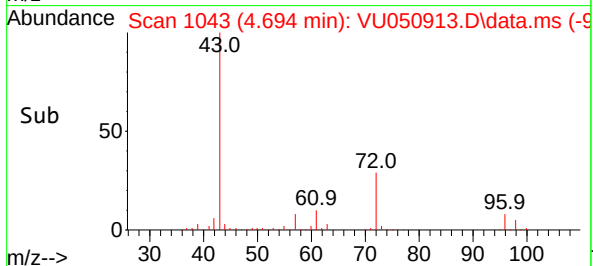
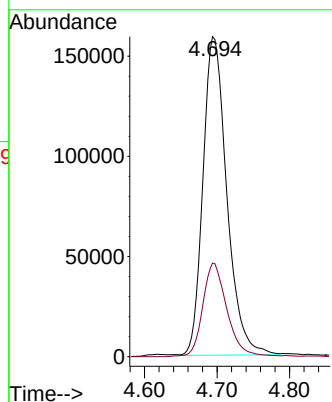
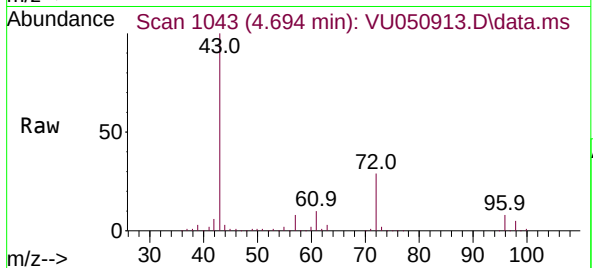




#22
2-Butanone
Concen: 109.409 ug/L
RT: 4.694 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

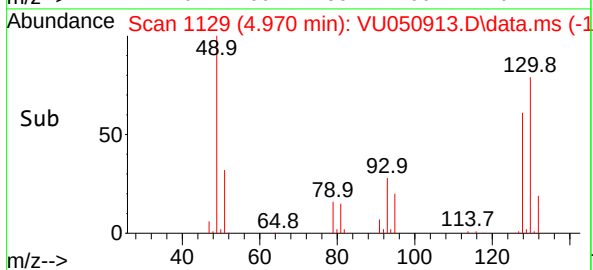
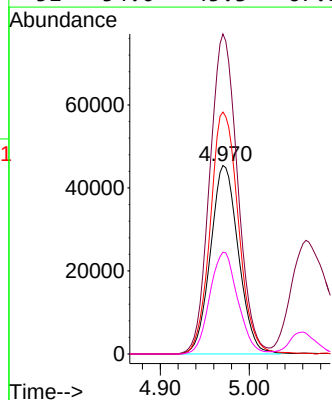
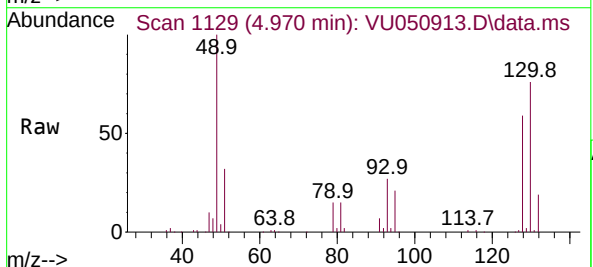
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

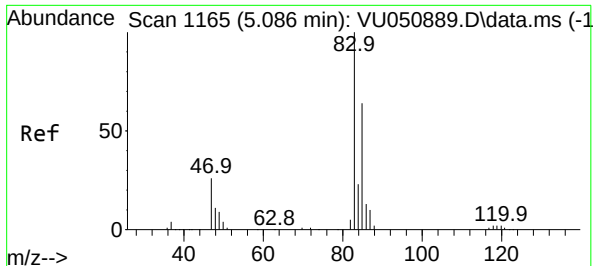
Tgt Ion: 43 Resp: 363916
Ion Ratio Lower Upper
43 100
72 29.7 14.8 44.3



#23
Bromochloromethane
Concen: 48.392 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.003 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

Tgt Ion:128 Resp: 98725
Ion Ratio Lower Upper
128 100
49 169.8 123.1 228.5
130 128.4 90.9 168.7
51 54.0 45.3 67.9





#25

Chloroform

Concen: 48.913 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU050913.D

Acq: 22 Sep 2022 21:10

Instrument :

MSVOA_U

ClientSampleId :

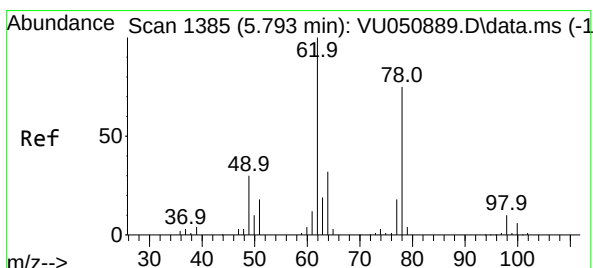
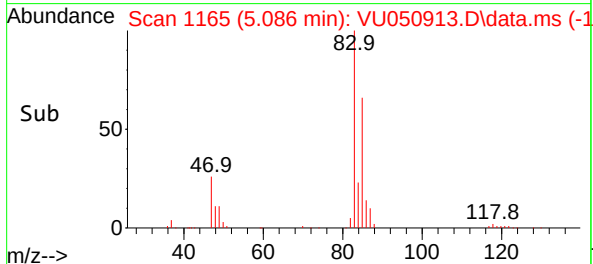
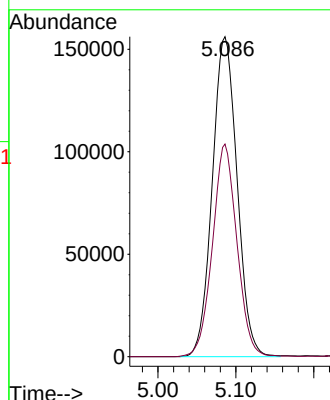
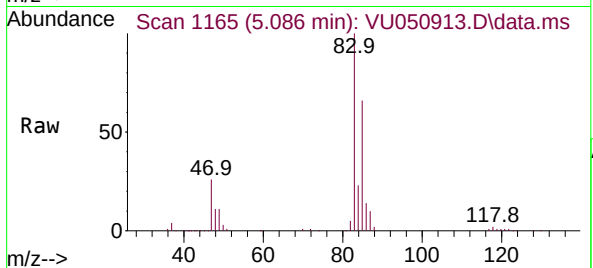
VSTD050092

Tgt Ion: 83 Resp: 345795

Ion Ratio Lower Upper

83 100

85 66.4 45.7 84.9



#27

1,2-Dichloroethane

Concen: 49.379 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU050913.D

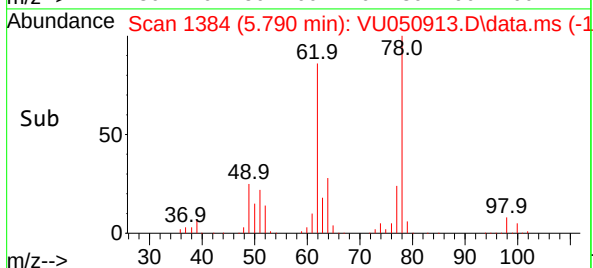
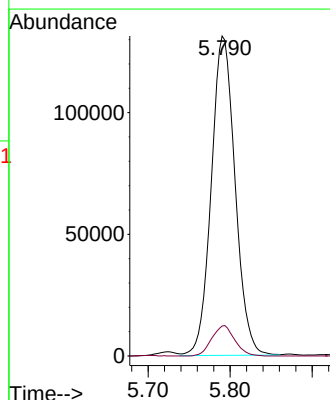
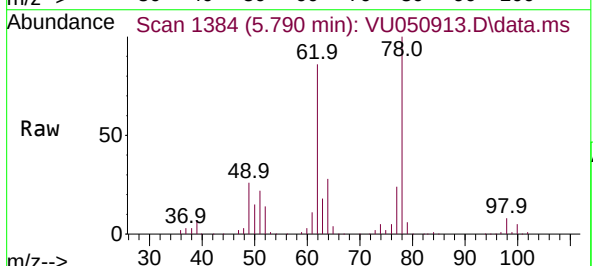
Acq: 22 Sep 2022 21:10

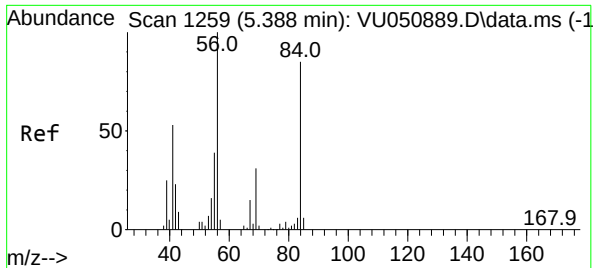
Tgt Ion: 62 Resp: 265292

Ion Ratio Lower Upper

62 100

98 9.4 7.4 11.0

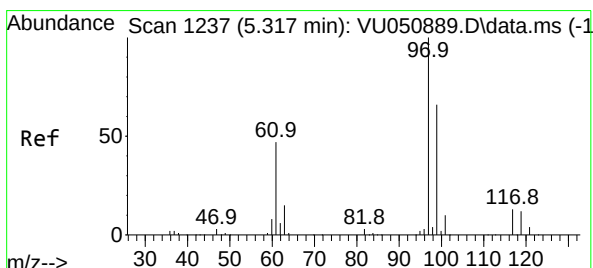
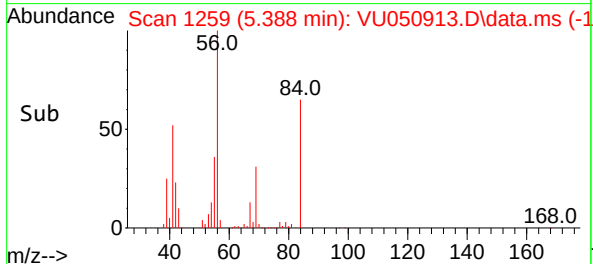
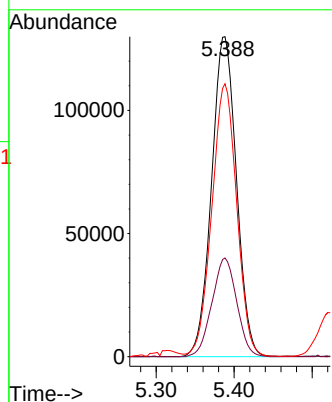
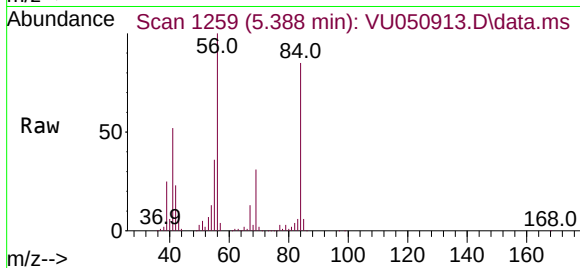




#29
Cyclohexane
Concen: 48.717 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

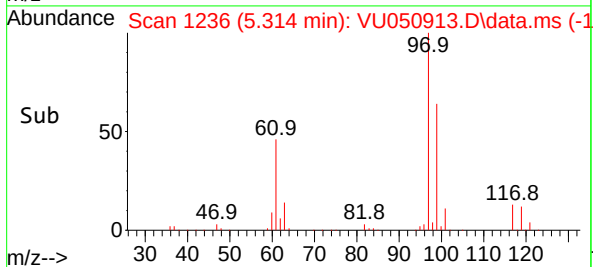
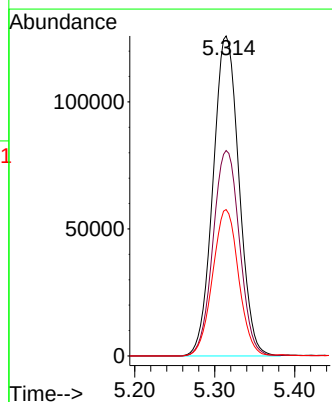
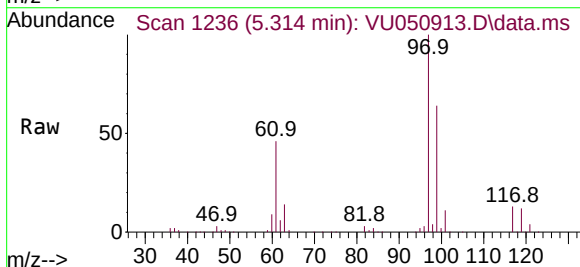
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

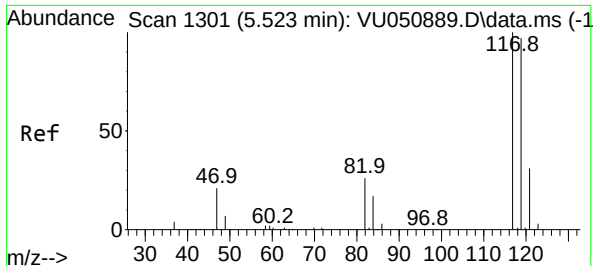
Tgt Ion: 56 Resp: 288717
Ion Ratio Lower Upper
56 100
69 30.7 24.2 36.4
84 85.1 66.4 99.6



#30
1,1,1-Trichloroethane
Concen: 49.638 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. -0.003 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

Tgt Ion: 97 Resp: 284387
Ion Ratio Lower Upper
97 100
99 65.5 52.2 78.2
61 45.8 37.1 55.7

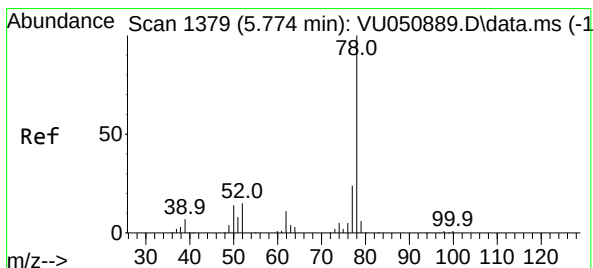
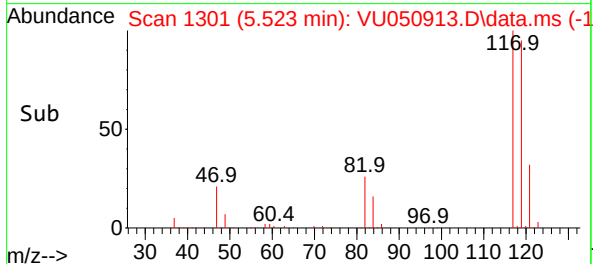
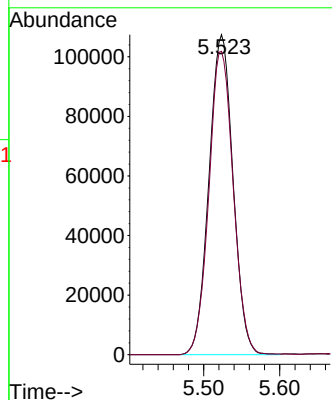
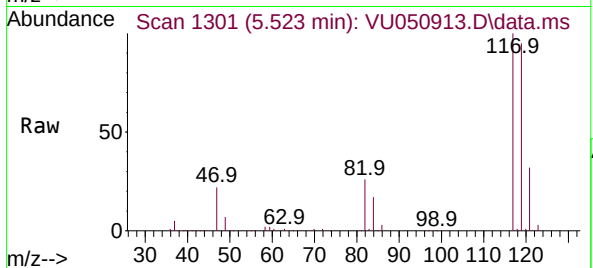




#31
Carbon tetrachloride
Concen: 49.613 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

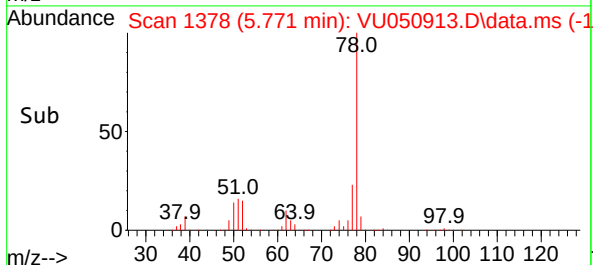
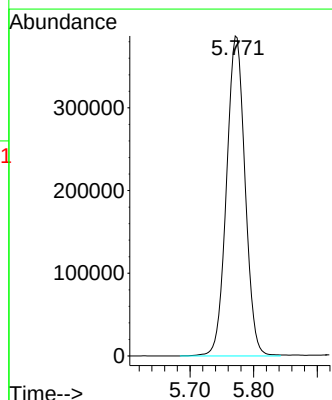
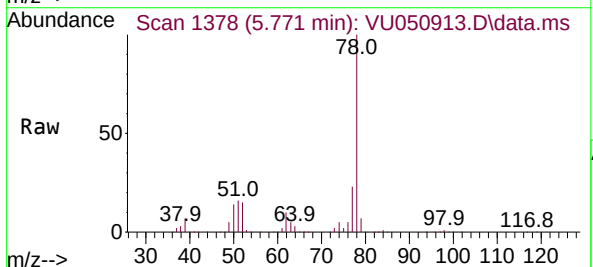
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

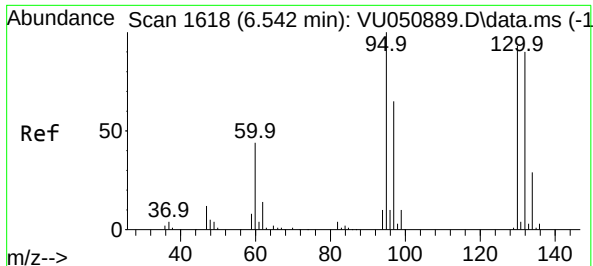
Tgt Ion:117 Resp: 236130
Ion Ratio Lower Upper
117 100
119 95.9 76.0 114.0



#33
Benzene
Concen: 49.447 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

Tgt Ion: 78 Resp: 783656

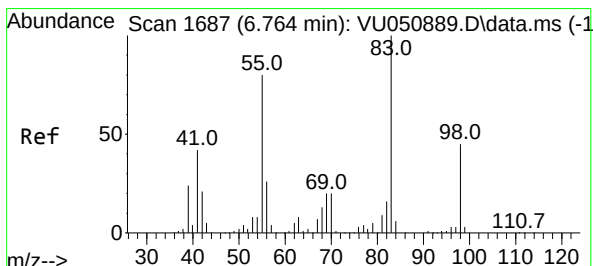
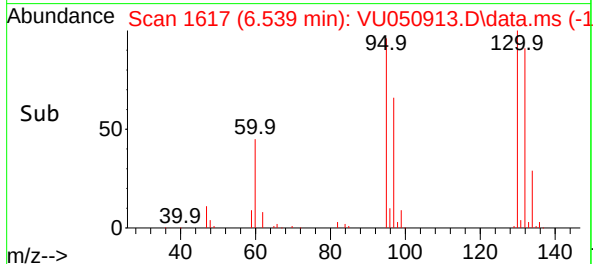
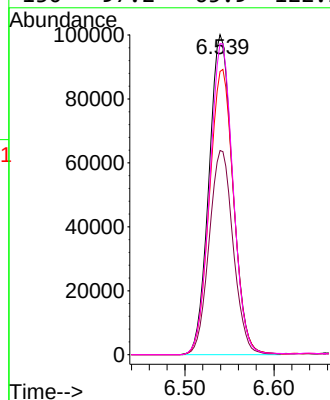
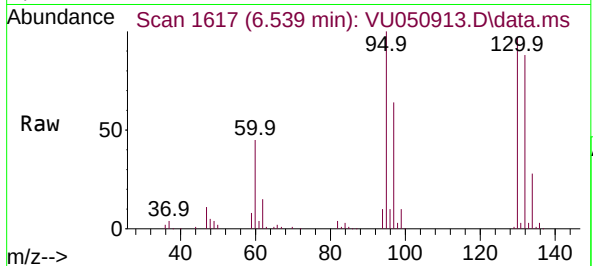




#34
Trichloroethene
Concen: 50.329 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

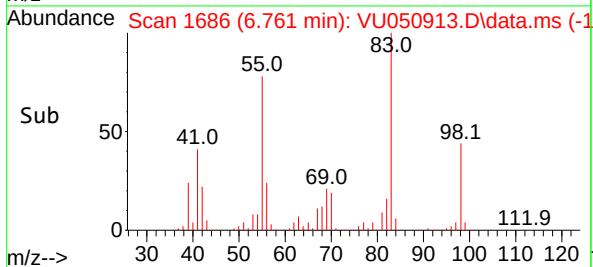
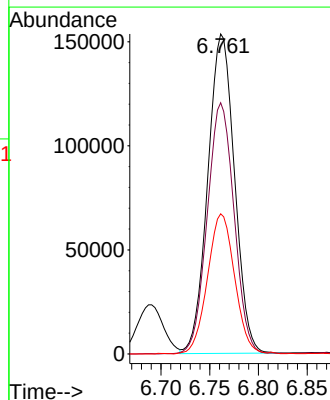
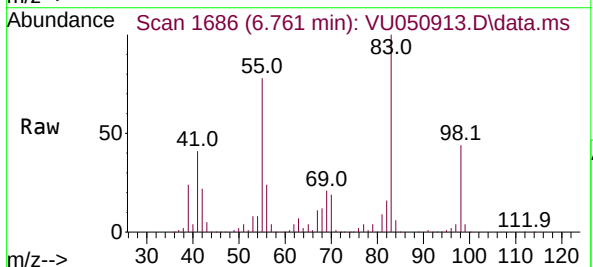
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

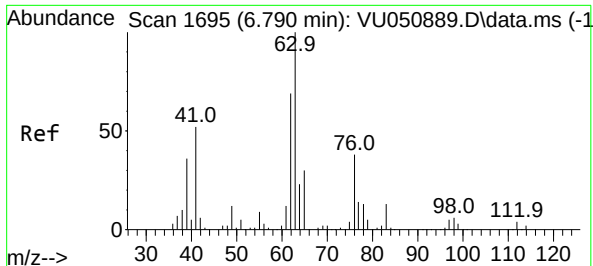
Tgt Ion: 95 Resp: 185280
Ion Ratio Lower Upper
95 100
97 63.8 43.9 81.5
132 88.5 63.1 117.1
130 97.2 65.9 122.3



#35
Methylcyclohexane
Concen: 49.373 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

Tgt Ion: 83 Resp: 292864
Ion Ratio Lower Upper
83 100
55 79.2 64.7 97.1
98 44.5 35.2 52.8





#37

1,2-Dichloropropane

Concen: 48.381 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050913.D

Acq: 22 Sep 2022 21:10

Instrument :

MSVOA_U

ClientSampleId :

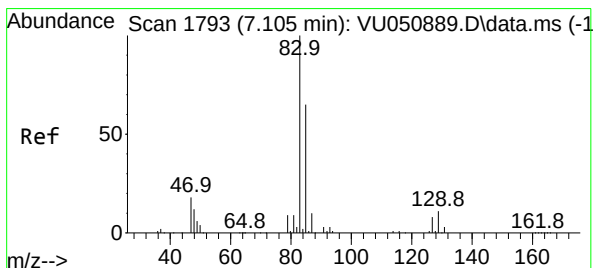
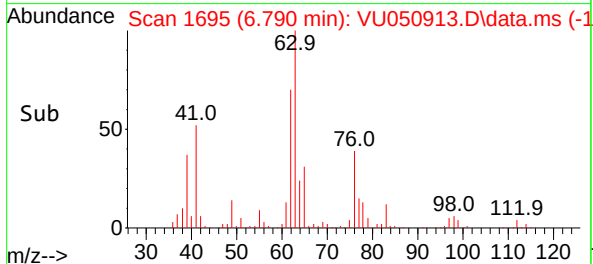
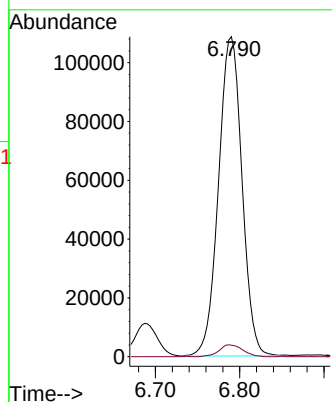
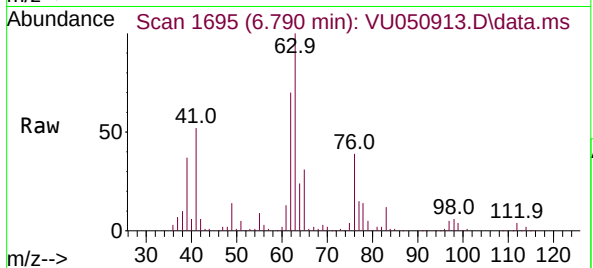
VSTD050092

Tgt Ion: 63 Resp: 209817

Ion Ratio Lower Upper

63 100

112 3.7 2.9 4.3



#38

Bromodichloromethane

Concen: 49.944 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.003 min

Lab File: VU050913.D

Acq: 22 Sep 2022 21:10

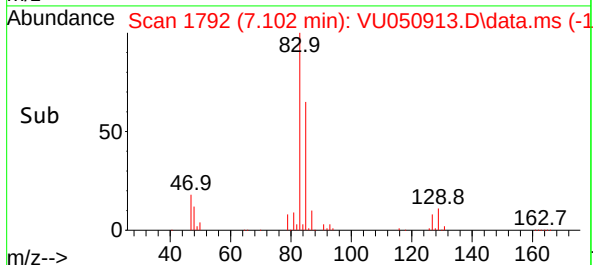
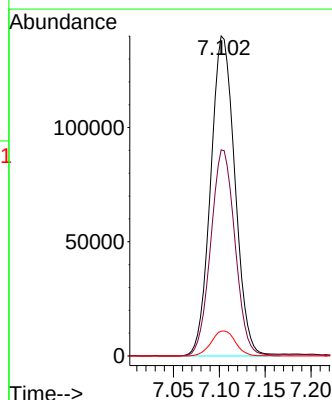
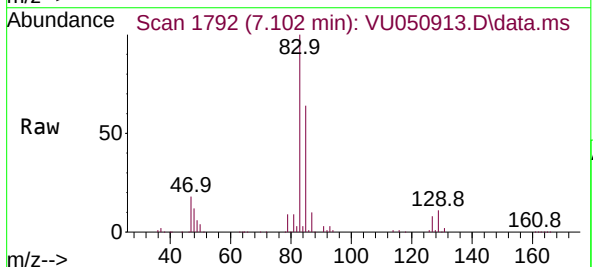
Tgt Ion: 83 Resp: 258058

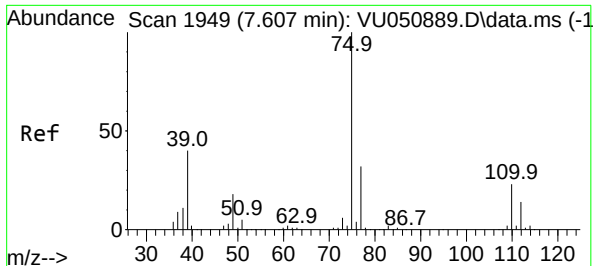
Ion Ratio Lower Upper

83 100

85 64.4 44.3 82.3

127 7.8 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 48.089 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050913.D

Acq: 22 Sep 2022 21:10

Instrument :

MSVOA_U

ClientSampleId :

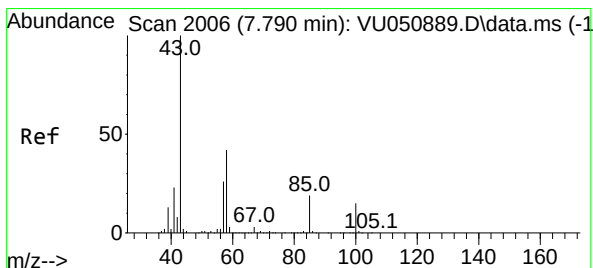
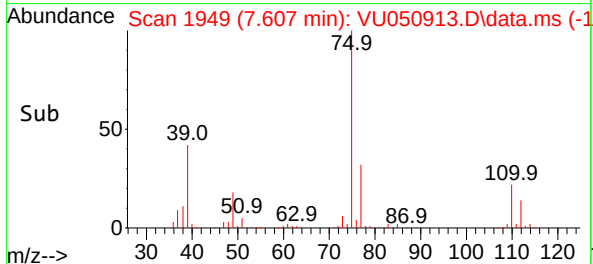
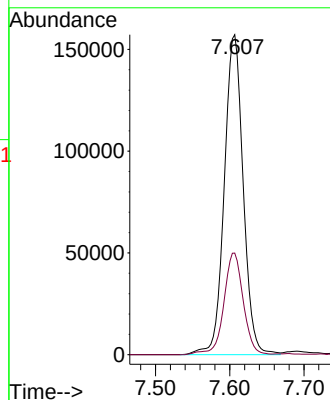
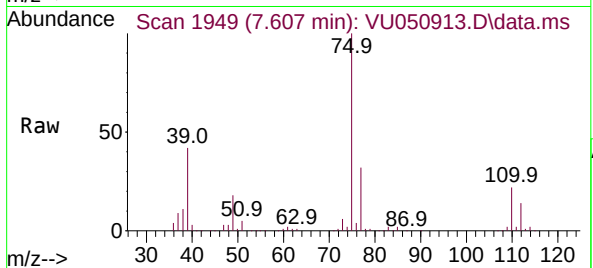
VSTD050092

Tgt Ion: 75 Resp: 279078

Ion Ratio Lower Upper

75 100

77 31.8 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 110.238 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU050913.D

Acq: 22 Sep 2022 21:10

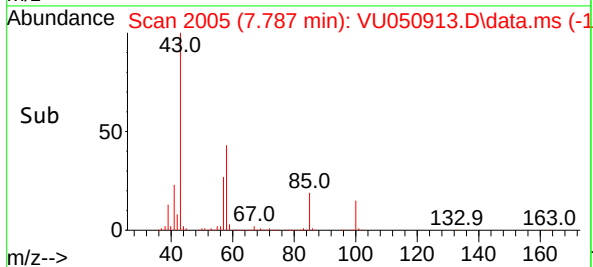
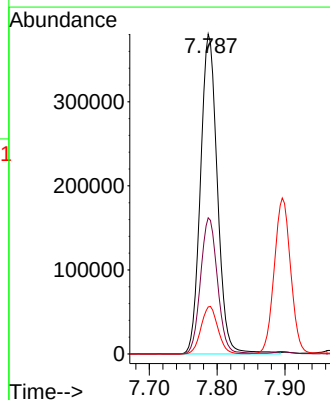
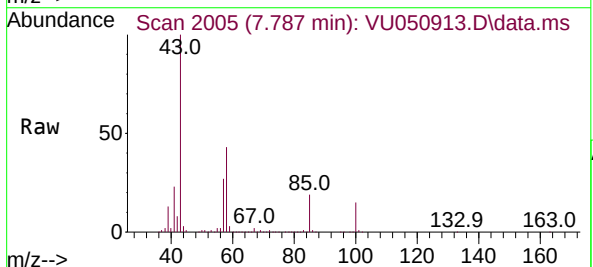
Tgt Ion: 43 Resp: 658860

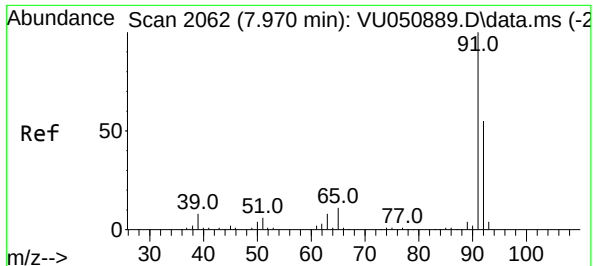
Ion Ratio Lower Upper

43 100

58 42.7 33.8 50.6

100 14.8 12.0 18.0





#42

Toluene

Concen: 51.494 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU050913.D

Acq: 22 Sep 2022 21:10

Instrument :

MSVOA_U

ClientSampleId :

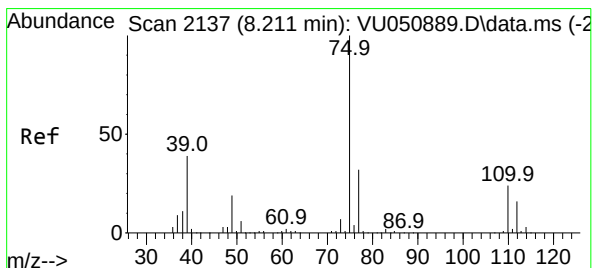
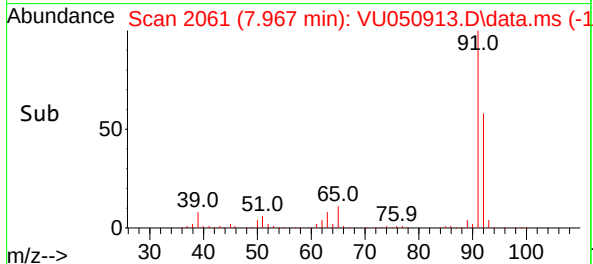
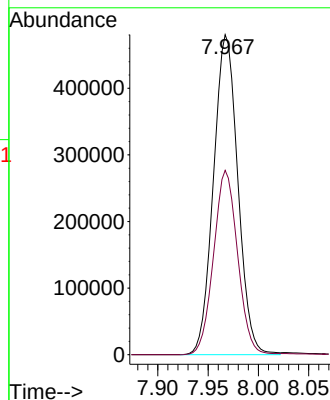
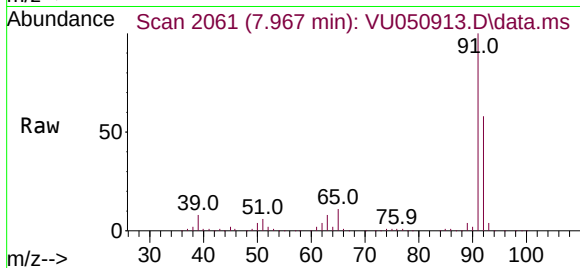
VSTD050092

Tgt Ion: 91 Resp: 810156

Ion Ratio Lower Upper

91 100

92 57.6 39.1 72.5



#44

trans-1,3-Dichloropropene

Concen: 49.120 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU050913.D

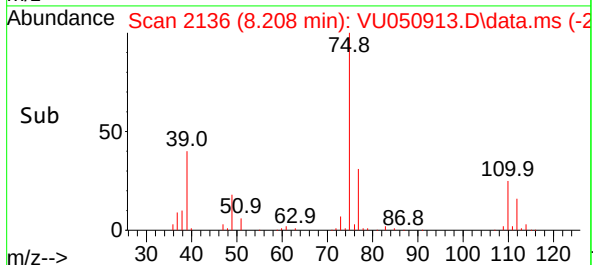
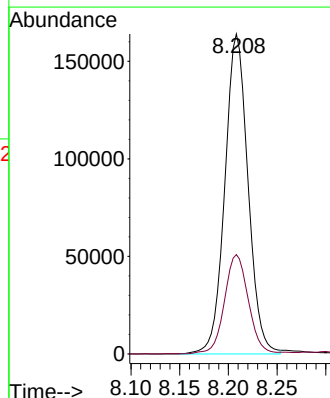
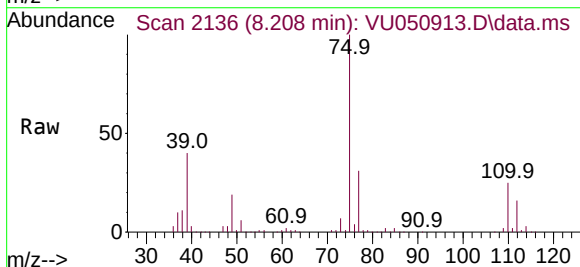
Acq: 22 Sep 2022 21:10

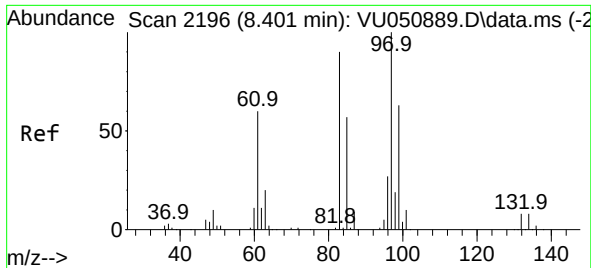
Tgt Ion: 75 Resp: 271171

Ion Ratio Lower Upper

75 100

77 31.0 21.9 40.7



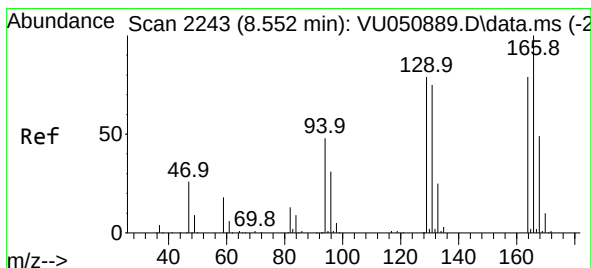
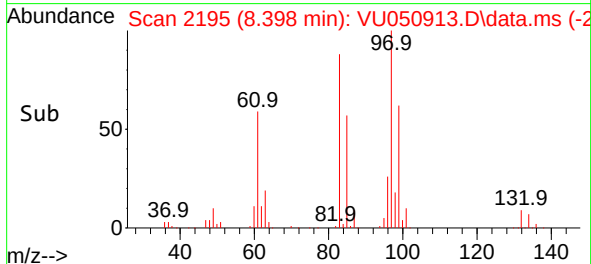
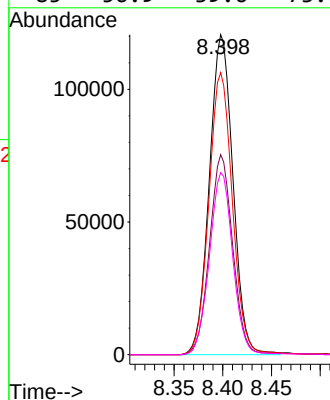
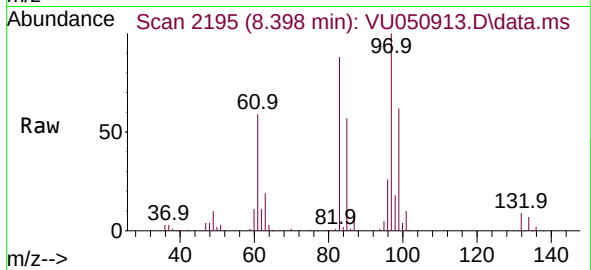


#45
1,1,2-Trichloroethane
Concen: 50.933 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.003 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

Tgt Ion: 97 Resp: 203557

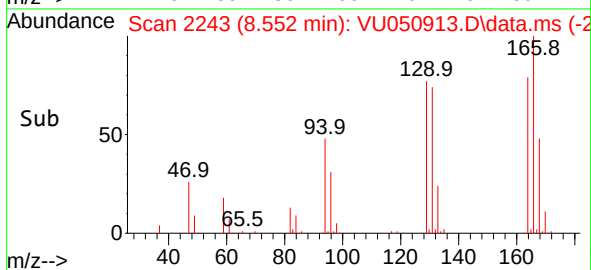
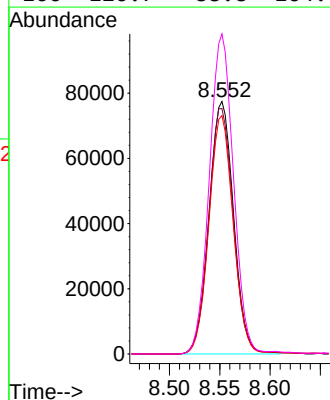
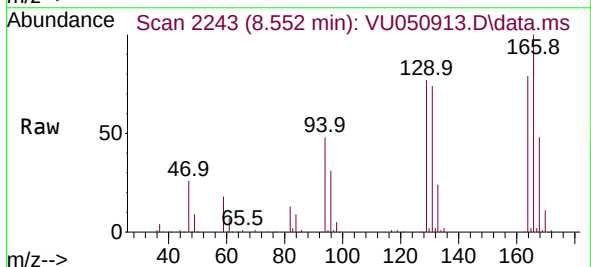
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.8	81.4
83	88.1	62.6	116.3
85	56.9	39.6	73.6

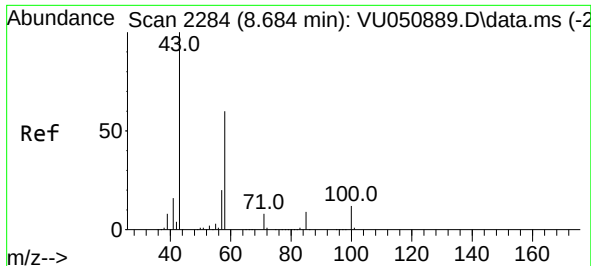


#46
Tetrachloroethene
Concen: 49.562 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

Tgt Ion: 164 Resp: 131116

Ion	Ratio	Lower	Upper
164	100		
129	97.2	68.5	127.3
131	94.4	66.1	122.7
166	126.7	88.8	164.8

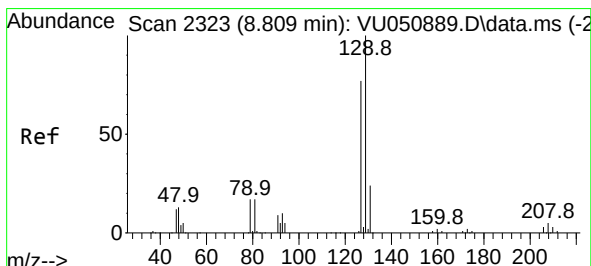
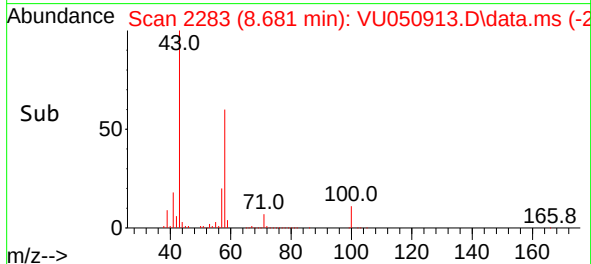
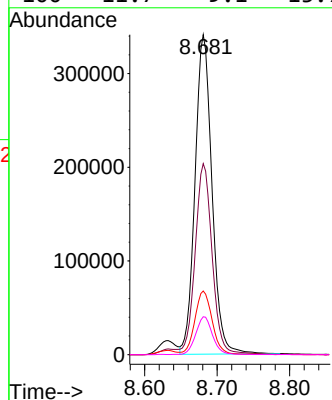
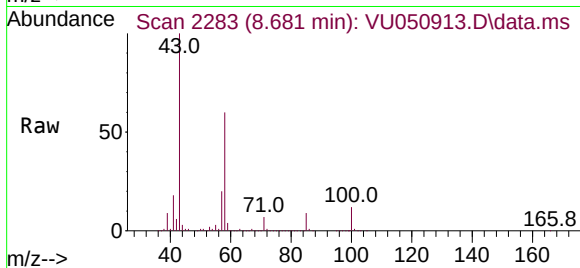




#48
2-Hexanone
Concen: 110.991 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

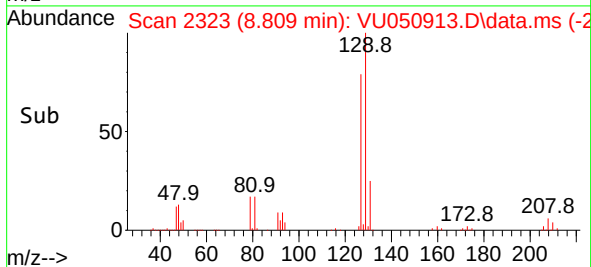
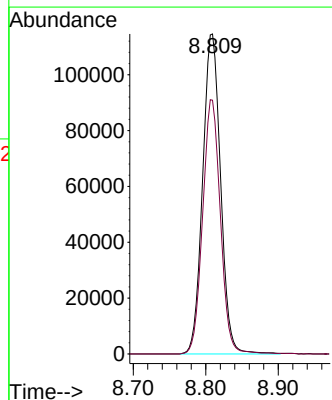
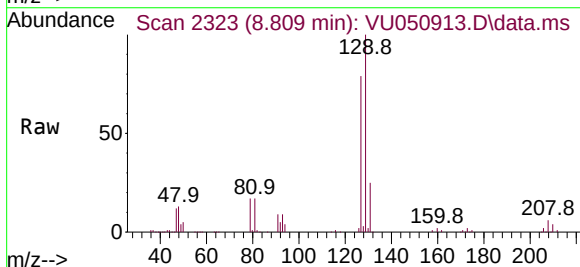
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

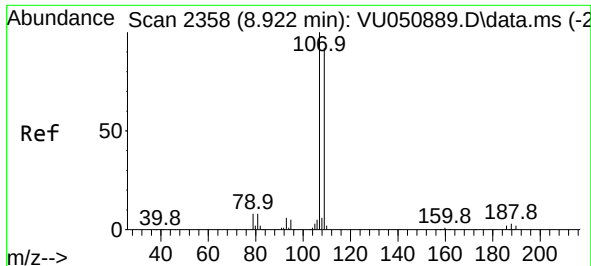
Tgt Ion: 43 Resp: 554301
Ion Ratio Lower Upper
43 100
58 59.7 47.2 70.8
57 20.1 16.2 24.4
100 11.7 9.1 13.7



#49
Dibromochloromethane
Concen: 50.284 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

Tgt Ion: 129 Resp: 197045
Ion Ratio Lower Upper
129 100
127 79.3 54.5 101.1





#50

1,2-Dibromoethane

Concen: 50.824 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU050913.D

Acq: 22 Sep 2022 21:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD050092

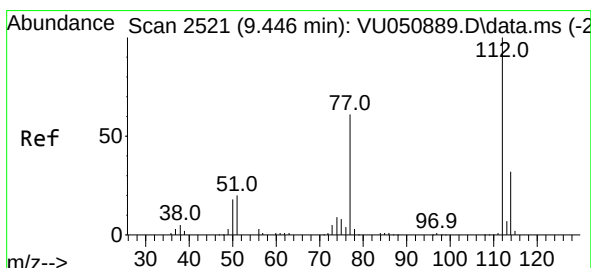
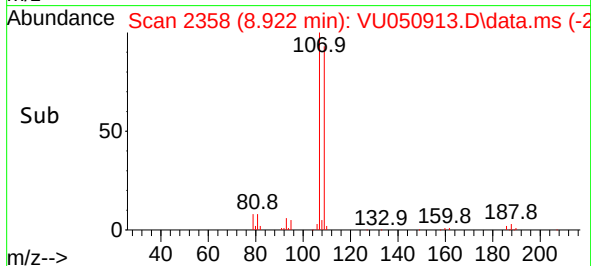
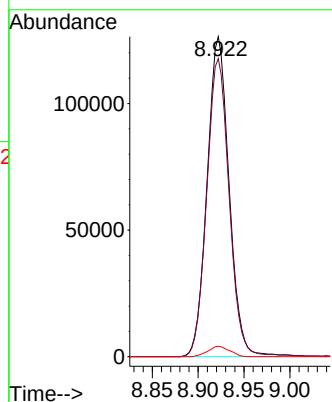
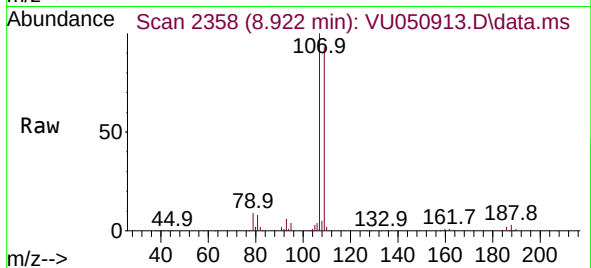
Tgt Ion:107 Resp: 210742

Ion Ratio Lower Upper

107 100

109 93.1 66.0 122.6

188 3.3 2.5 3.7



#51

Chlorobenzene

Concen: 49.189 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU050913.D

Acq: 22 Sep 2022 21:10

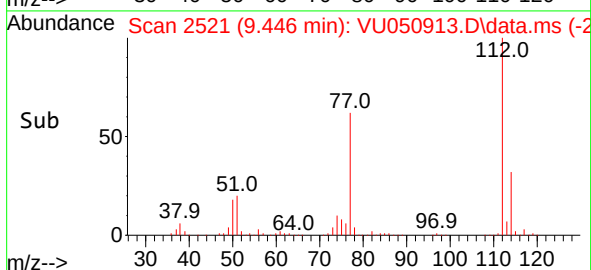
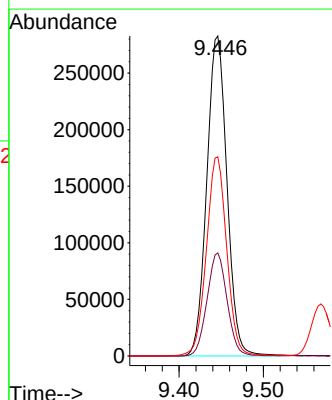
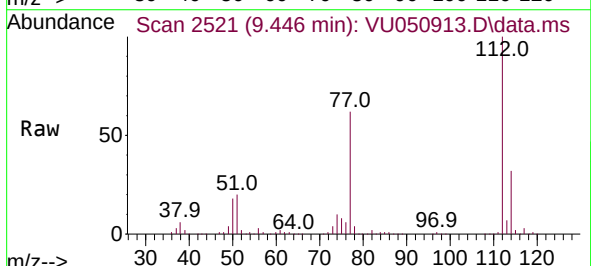
Tgt Ion:112 Resp: 472464

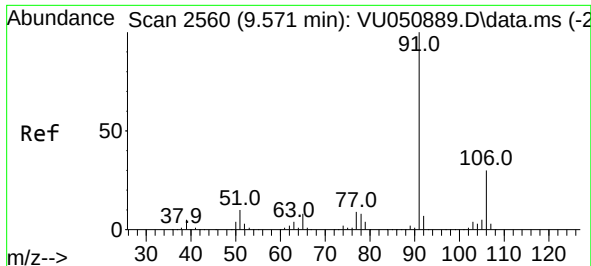
Ion Ratio Lower Upper

112 100

114 32.2 22.3 41.3

77 62.3 49.8 74.8

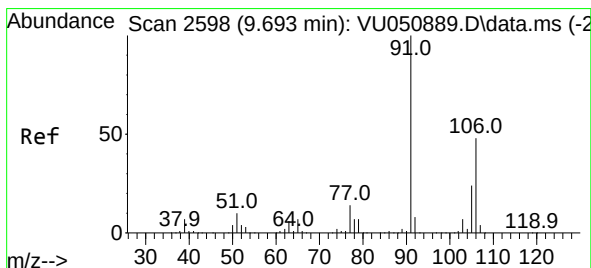
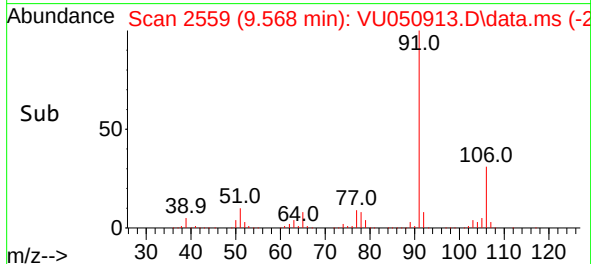
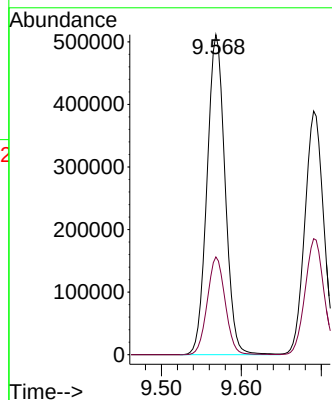
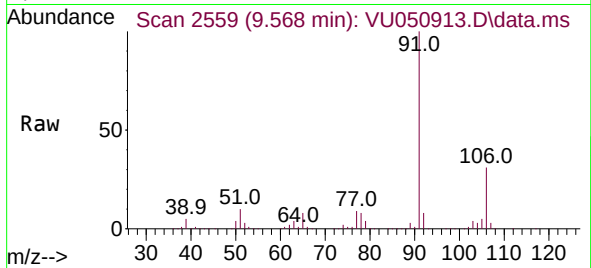




#52
Ethylbenzene
Concen: 51.162 ug/L
RT: 9.568 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

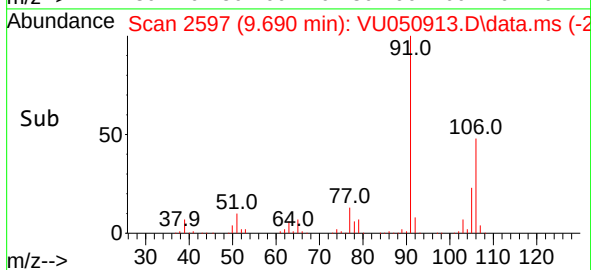
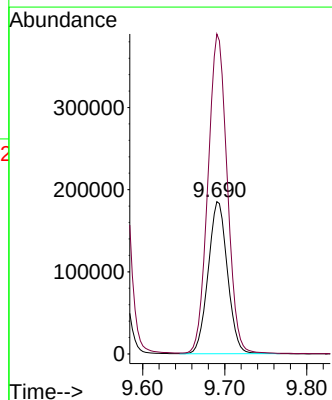
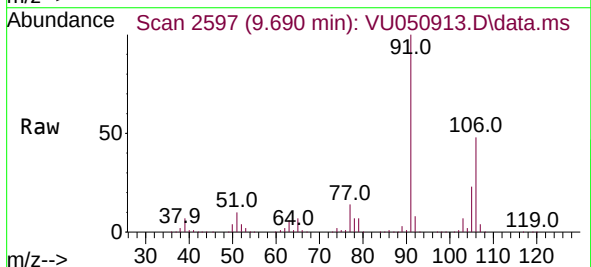
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

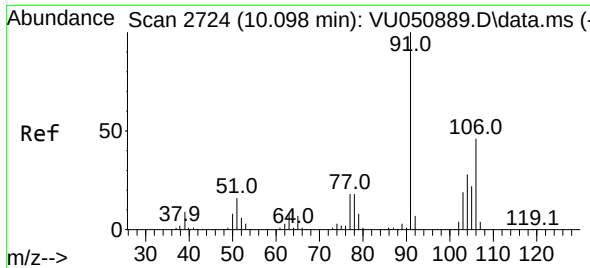
Tgt Ion: 91 Resp: 803015
Ion Ratio Lower Upper
91 100
106 30.6 21.0 39.0



#53
m,p-Xylene
Concen: 51.994 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

Tgt Ion:106 Resp: 303396
Ion Ratio Lower Upper
106 100
91 210.1 144.0 267.4

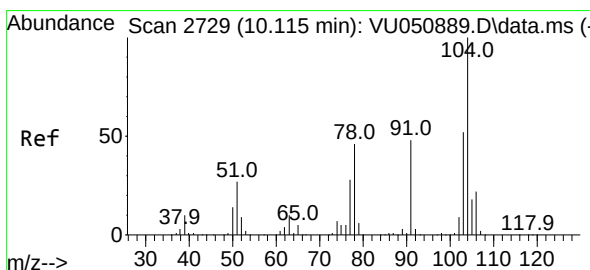
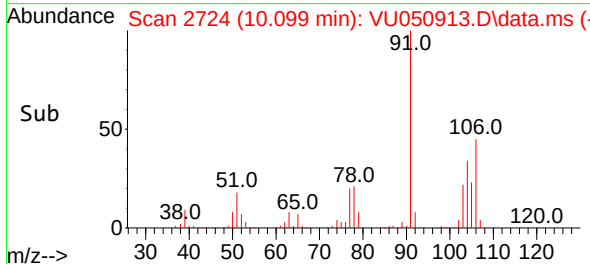
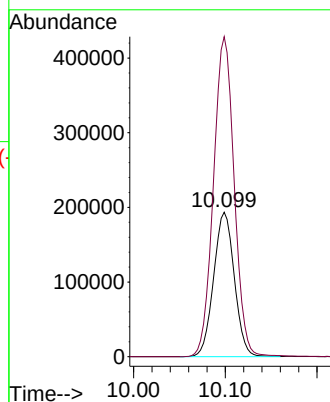
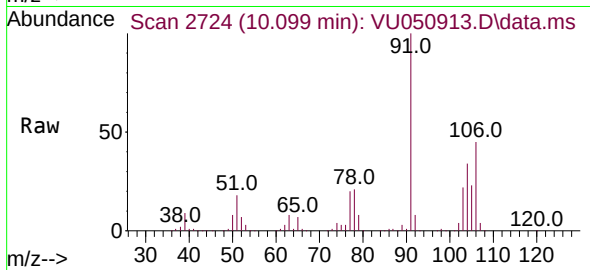




#54
o-Xylene
Concen: 52.224 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

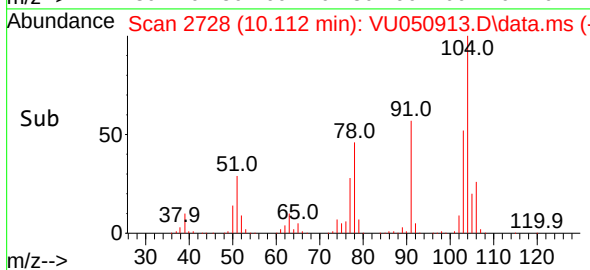
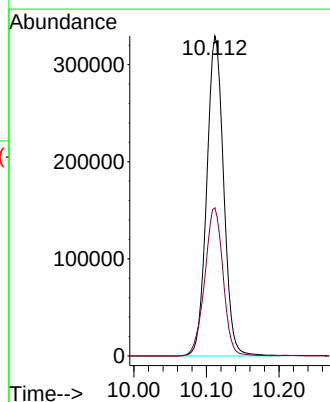
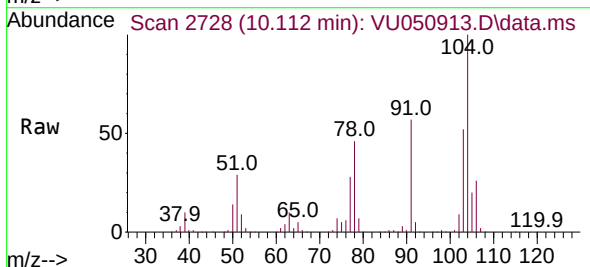
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

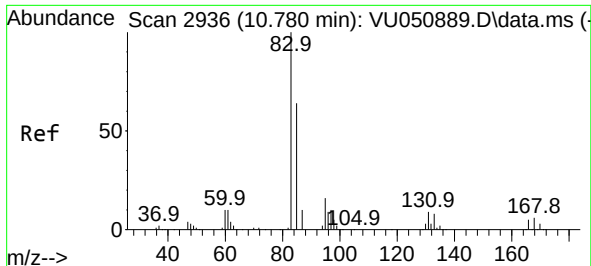
Tgt Ion:106 Resp: 303633
Ion Ratio Lower Upper
106 100
91 221.6 154.6 287.0



#55
Styrene
Concen: 53.535 ug/L
RT: 10.112 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

Tgt Ion:104 Resp: 533651
Ion Ratio Lower Upper
104 100
78 46.3 32.4 60.2

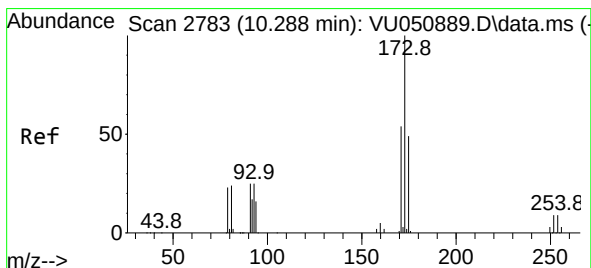
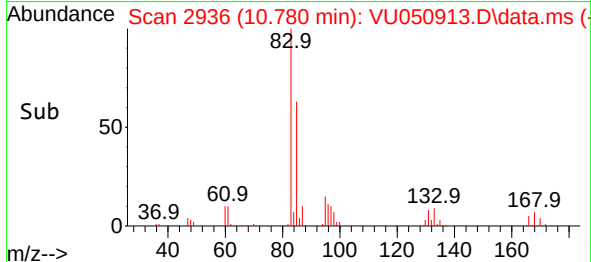
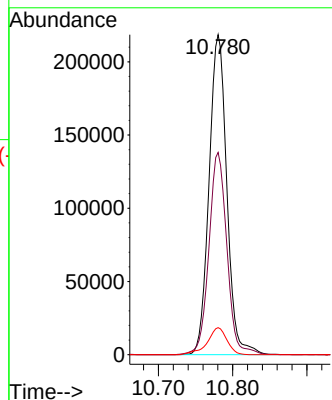
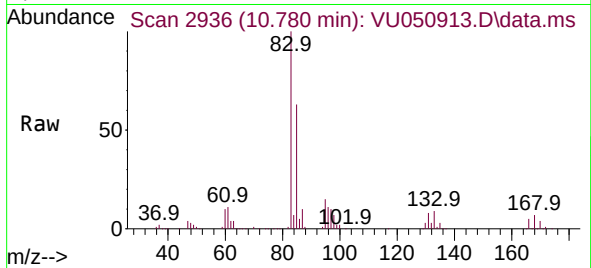




#57
 1,1,2,2-Tetrachloroethane
 Concen: 49.029 ug/L
 RT: 10.780 min Scan# 2936
 Delta R.T. 0.000 min
 Lab File: VU050913.D
 Acq: 22 Sep 2022 21:10

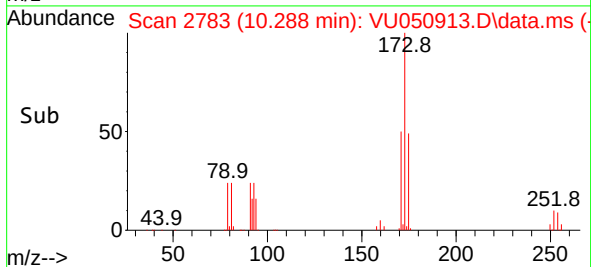
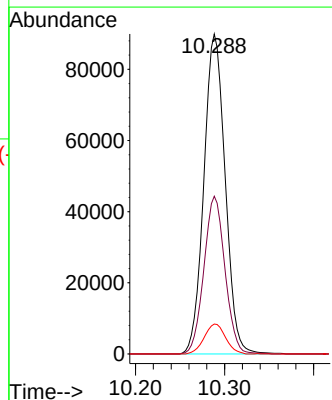
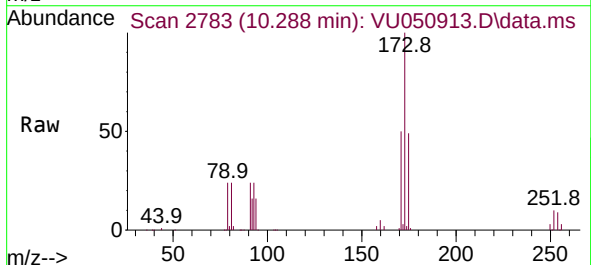
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050092

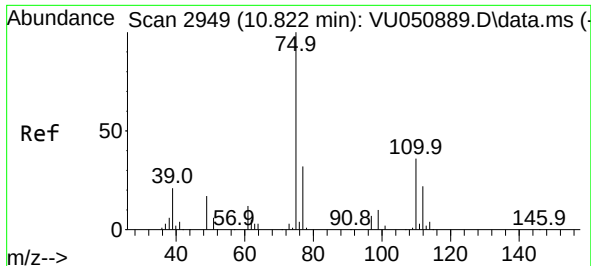
Tgt Ion: 83 Resp: 362570
 Ion Ratio Lower Upper
 83 100
 85 63.2 45.1 83.9
 131 8.5 7.1 10.7



#59
 Bromoform
 Concen: 50.175 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. 0.000 min
 Lab File: VU050913.D
 Acq: 22 Sep 2022 21:10

Tgt Ion: 173 Resp: 149502
 Ion Ratio Lower Upper
 173 100
 175 48.7 37.8 56.8
 254 9.4 7.1 10.7

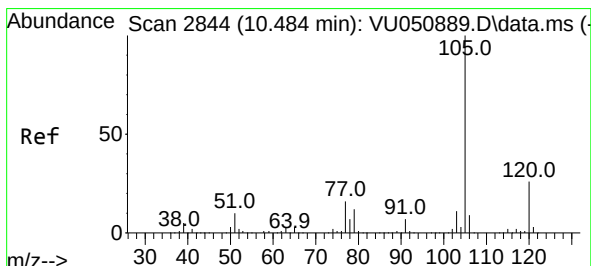
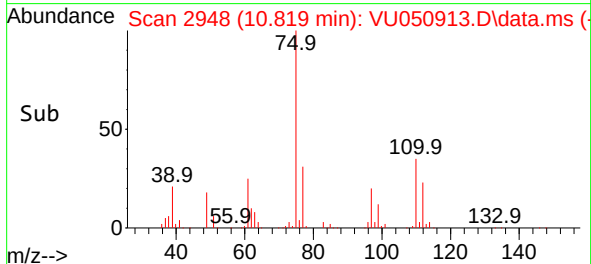
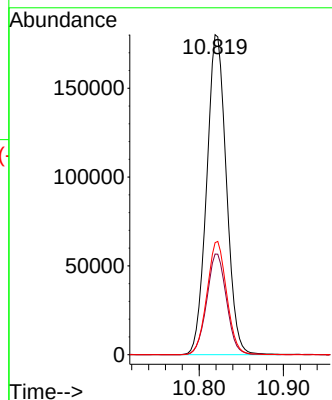
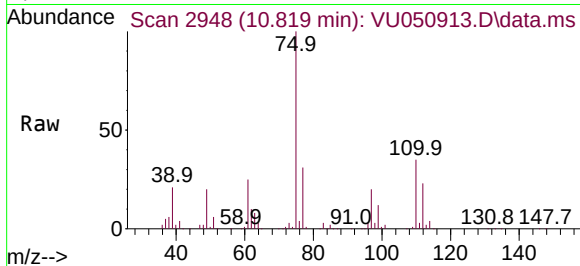




#60
1,2,3-Trichloropropane
Concen: 50.456 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

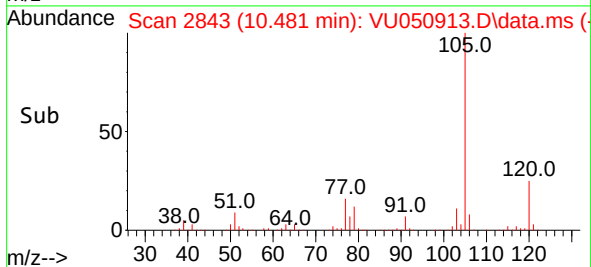
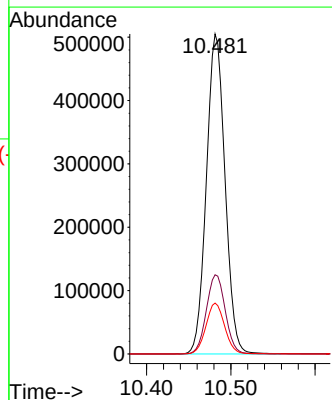
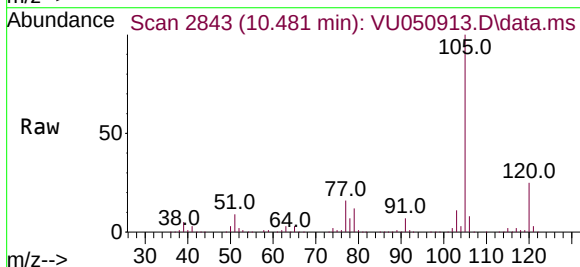
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

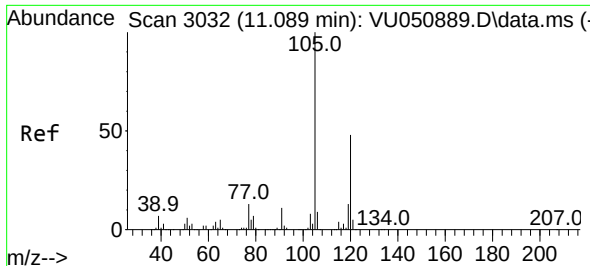
Tgt Ion: 75 Resp: 292975
Ion Ratio Lower Upper
75 100
77 31.6 26.2 39.4
110 35.4 28.6 43.0



#61
Isopropylbenzene
Concen: 52.685 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

Tgt Ion: 105 Resp: 777248
Ion Ratio Lower Upper
105 100
120 25.1 20.5 30.7
77 16.0 12.9 19.3

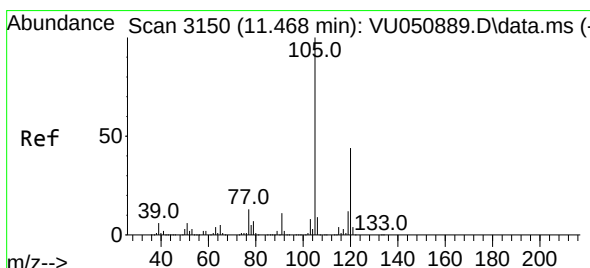
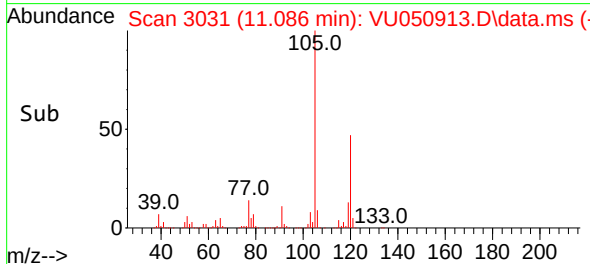
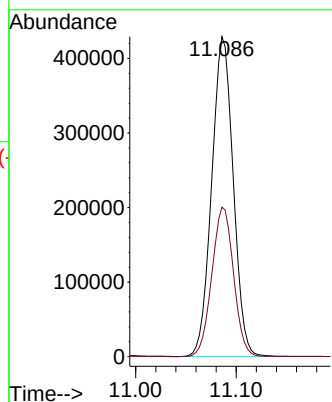
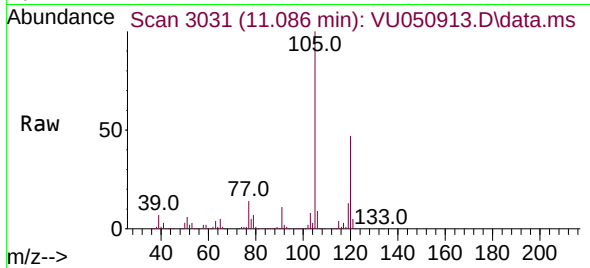




#62
 1,3,5-Trimethylbenzene
 Concen: 52.611 ug/L
 RT: 11.086 min Scan# 3032
 Delta R.T. -0.003 min
 Lab File: VU050913.D
 Acq: 22 Sep 2022 21:10

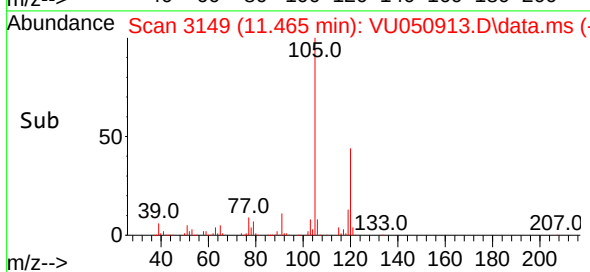
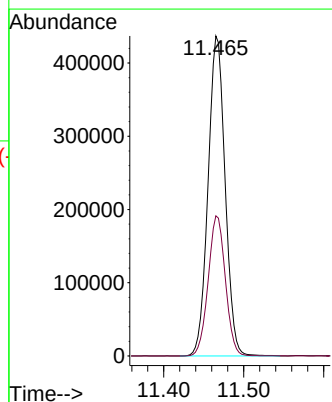
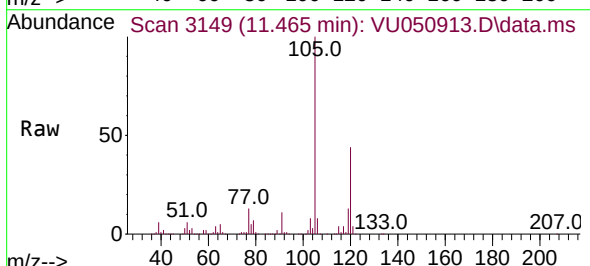
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050092

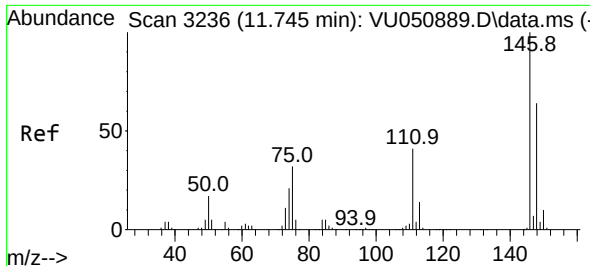
Tgt Ion:105 Resp: 638045
 Ion Ratio Lower Upper
 105 100
 120 47.2 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 53.977 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.003 min
 Lab File: VU050913.D
 Acq: 22 Sep 2022 21:10

Tgt Ion:105 Resp: 648276
 Ion Ratio Lower Upper
 105 100
 120 44.2 34.9 52.3

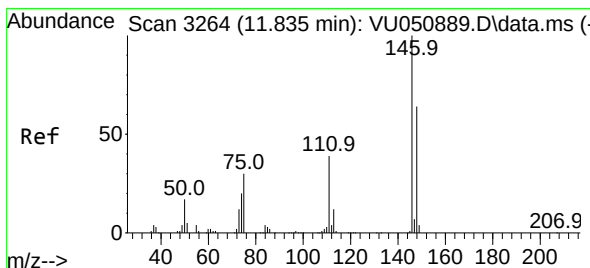
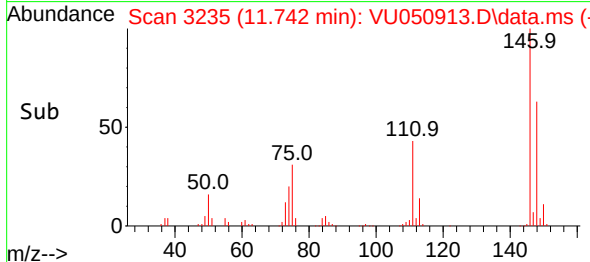
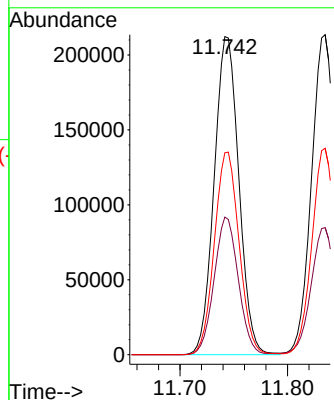
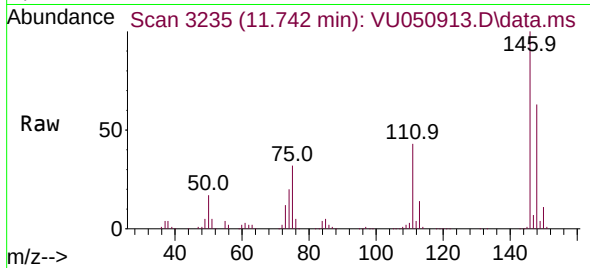




#64
1,3-Dichlorobenzene
Concen: 50.202 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

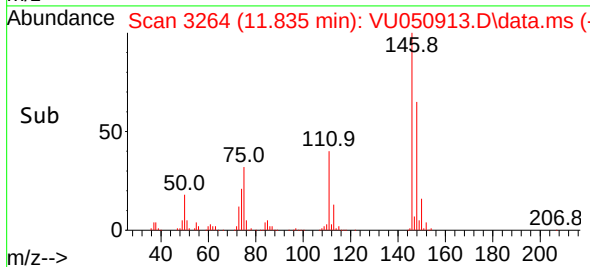
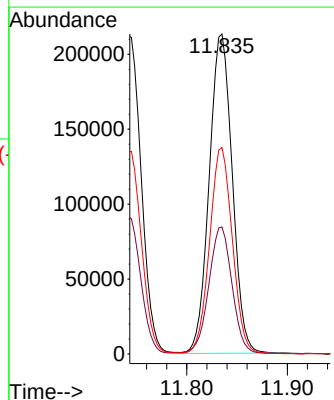
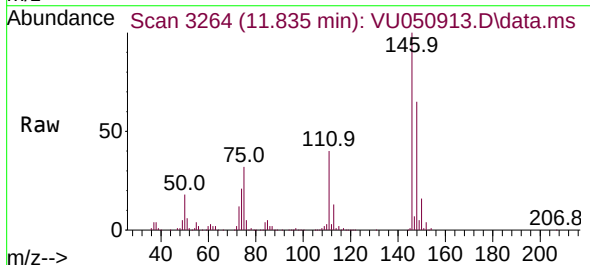
Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

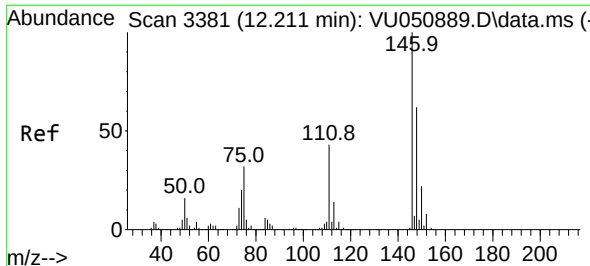
Tgt Ion:146 Resp: 338684
Ion Ratio Lower Upper
146 100
111 43.3 27.9 51.7
148 63.5 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 49.559 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

Tgt Ion:146 Resp: 339437
Ion Ratio Lower Upper
146 100
111 39.7 27.5 51.1
148 64.5 45.4 84.2

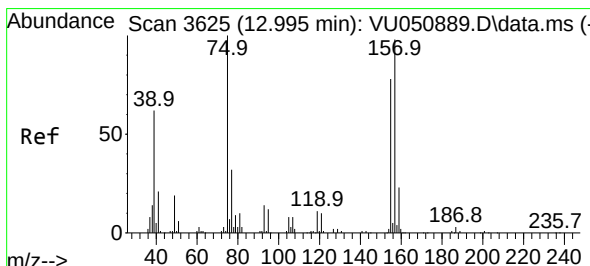
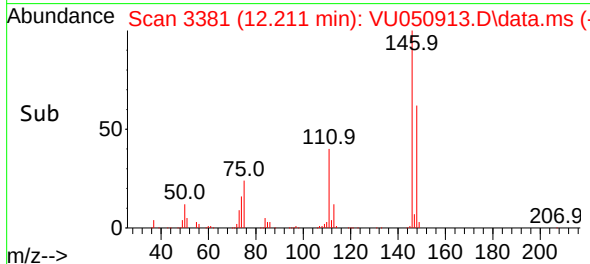
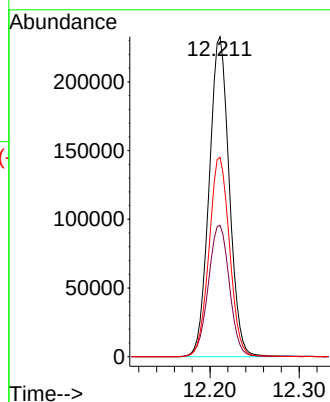
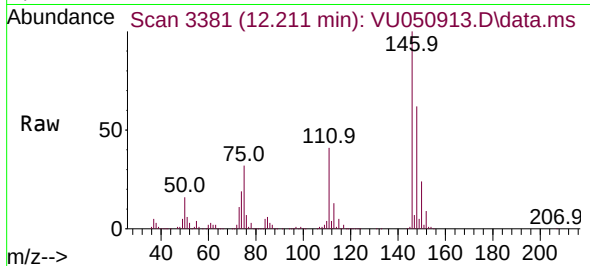




#67
 1,2-Dichlorobenzene
 Concen: 51.020 ug/L
 RT: 12.211 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU050913.D
 Acq: 22 Sep 2022 21:10

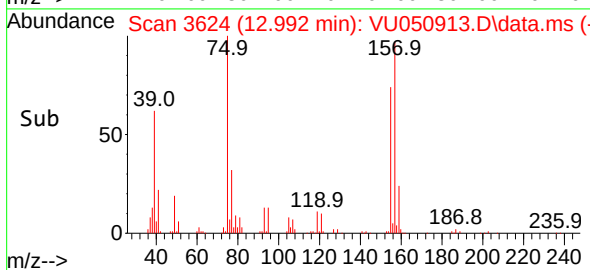
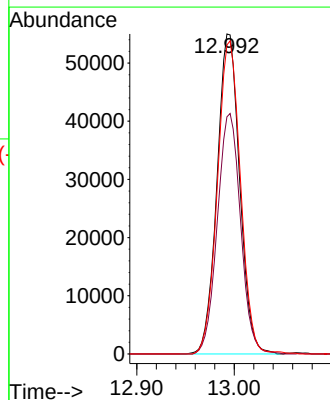
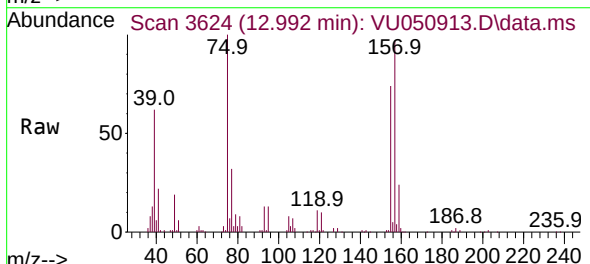
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050092

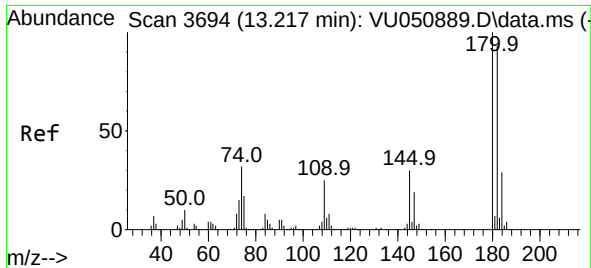
Tgt Ion:146 Resp: 364454
 Ion Ratio Lower Upper
 146 100
 111 41.0 35.2 52.8
 148 62.3 52.0 78.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 55.628 ug/L
 RT: 12.992 min Scan# 3624
 Delta R.T. -0.003 min
 Lab File: VU050913.D
 Acq: 22 Sep 2022 21:10

Tgt Ion: 75 Resp: 88840
 Ion Ratio Lower Upper
 75 100
 155 74.1 63.8 95.8
 157 100.7 81.8 122.8

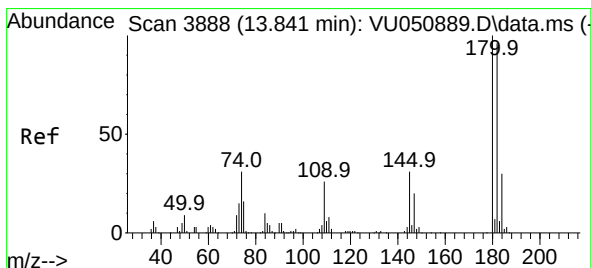
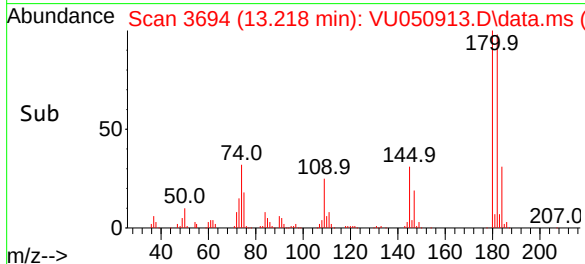
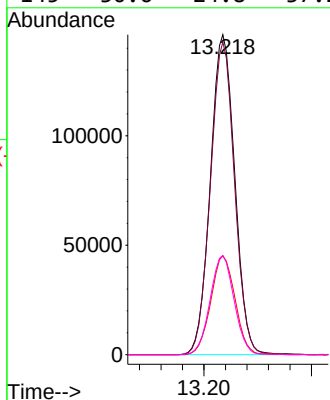
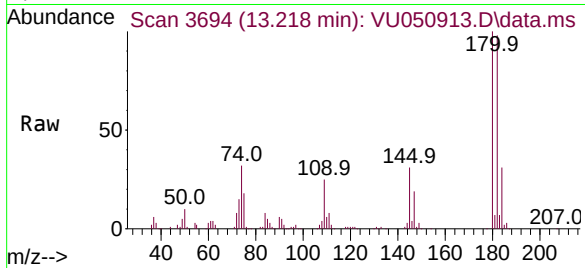




#69
 1,3,5-Trichlorobenzene
 Concen: 48.754 ug/L
 RT: 13.218 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU050913.D
 Acq: 22 Sep 2022 21:10

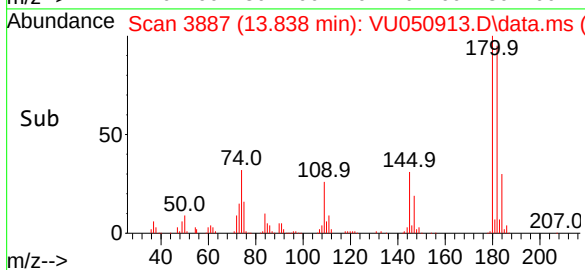
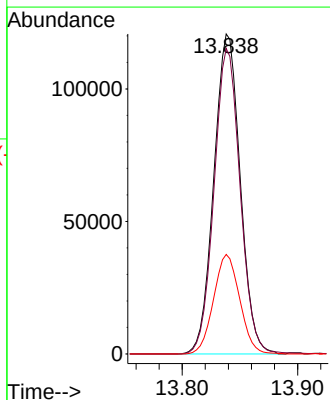
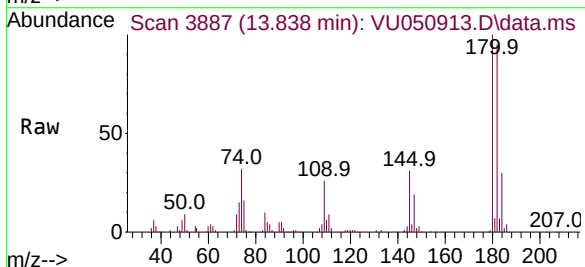
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050092

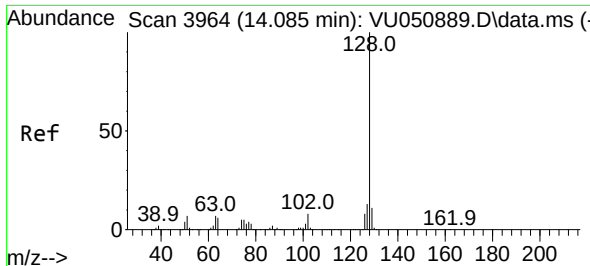
Tgt Ion:	180	Resp:	230130
Ion Ratio	Lower	Upper	
180	100		
182	96.6	78.2	117.2
184	30.7	24.8	37.2
145	30.6	24.8	37.2



#70
 1,2,4-trichlorobenzene
 Concen: 49.569 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.003 min
 Lab File: VU050913.D
 Acq: 22 Sep 2022 21:10

Tgt Ion:	180	Resp:	191475
Ion Ratio	Lower	Upper	
180	100		
182	94.5	76.2	114.2
145	30.8	25.1	37.7

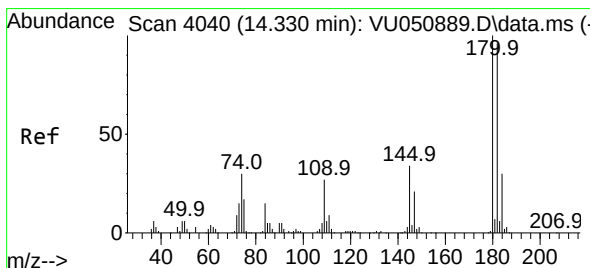
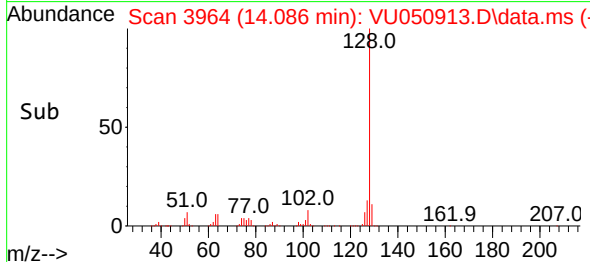
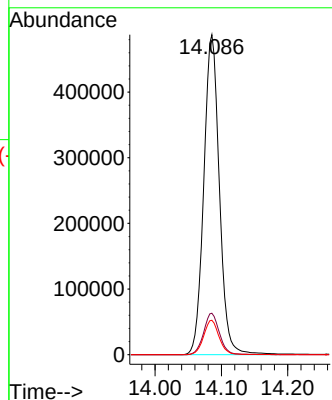
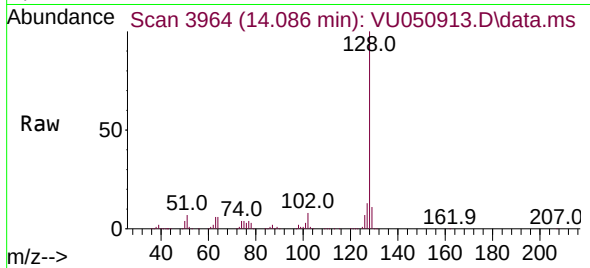




#71
Naphthalene
Concen: 53.629 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD050092

Tgt Ion:128 Resp: 796169
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.7 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 51.125 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.003 min
Lab File: VU050913.D
Acq: 22 Sep 2022 21:10

Tgt Ion:180 Resp: 221028
Ion Ratio Lower Upper
180 100
182 94.8 76.9 115.3
145 33.6 26.3 39.5

