

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052022\
 Data File : VU048648.D
 Acq On : 20 May 2022 17:13
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050137

Quant Time: May 21 04:38:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 21 04:37:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	221330	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	220026	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	133117	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	41673	30.741	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.480%
7) Chloroethane-d5	1.912	69	38469	37.877	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.760%
11) 1,1-Dichloroethene-d2	2.571	63	124725	40.682	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.360%
21) 2-Butanone-d5	4.626	46	126504	98.061	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.060%
24) Chloroform-d	5.067	84	160162	46.754	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.500%
26) 1,2-Dichloroethane-d4	5.703	65	116319	48.130	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.260%
32) Benzene-d6	5.729	84	259184	42.326	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.660%
36) 1,2-Dichloropropane-d6	6.693	67	77281	42.989	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.980%
41) Toluene-d8	7.899	98	251844	43.724	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.440%
43) trans-1,3-Dichloroprop...	8.179	79	48340	42.052	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.100%
47) 2-Hexanone-d5	8.636	63	91317	92.626	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.630%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	136309	45.823	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.640%
66) 1,2-Dichlorobenzene-d4	12.195	152	125269	46.033	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	111093	46.707	ug/L	98
3) Chloromethane	1.523	50	57746	39.348	ug/L	99
5) Vinyl chloride	1.604	62	66112	42.348	ug/L	98
6) Bromomethane	1.858	94	52396	46.489	ug/L	97
8) Chloroethane	1.935	64	40938	44.551	ug/L	99
9) Trichlorofluoromethane	2.141	101	150722	49.454	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	79412	51.099	ug/L	98
12) 1,1-Dichloroethene	2.581	96	68112	47.299	ug/L	99
13) Acetone	2.639	43	88107	84.065	ug/L	97
14) Carbon disulfide	2.797	76	184323	44.107	ug/L	99
15) Methyl Acetate	2.951	43	78542	43.909	ug/L	95
16) Methylene chloride	3.047	84	78807	47.007	ug/L	95
17) trans-1,2-Dichloroethene	3.356	96	75902	48.869	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	267649	49.669	ug/L	99
19) 1,1-Dichloroethane	3.874	63	138429	48.683	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	87041	49.693	ug/L	94
22) 2-Butanone	4.706	43	118897	89.345	ug/L	98
23) Bromochloromethane	4.976	128	48052	49.439	ug/L	93
25) Chloroform	5.089	83	169284	51.004	ug/L	97

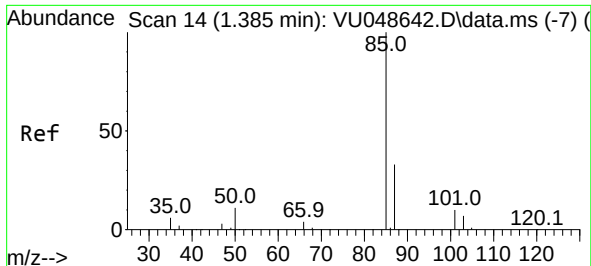
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052022\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	144661	50.808	ug/L	99
29) Cyclohexane	5.391	56	102855	45.513	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	166528	49.986	ug/L	98
31) Carbon tetrachloride	5.526	117	151862	50.018	ug/L	98
33) Benzene	5.777	78	309139	48.091	ug/L	100
34) Trichloroethene	6.542	95	89023	48.949	ug/L	96
35) Methylcyclohexane	6.764	83	123314	47.250	ug/L	99
37) 1,2-Dichloropropane	6.793	63	73237	45.564	ug/L	99
38) Bromodichloromethane	7.108	83	129027	49.615	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	136226	49.640	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	223828	91.251	ug/L	98
42) Toluene	7.970	91	351311	50.141	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	144465	49.917	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	85633	49.750	ug/L	97
46) Tetrachloroethene	8.555	164	76725	51.699	ug/L	98
48) 2-Hexanone	8.684	43	189708	90.267	ug/L	99
49) Dibromochloromethane	8.809	129	114721	51.840	ug/L	99
50) 1,2-Dibromoethane	8.925	107	96129	48.391	ug/L	100
51) Chlorobenzene	9.446	112	240206	49.156	ug/L	99
52) Ethylbenzene	9.571	91	389742	48.676	ug/L	99
53) m,p-Xylene	9.693	106	160560	49.899	ug/L	98
54) o-Xylene	10.102	106	154629	50.162	ug/L	97
55) Styrene	10.115	104	270804	50.526	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	137066	46.075	ug/L	98
59) Bromoform	10.291	173	92904	50.772	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	125491	47.534	ug/L	96
61) Isopropylbenzene	10.484	105	413020	50.380	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	236092	50.655	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	371101	51.204	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	209269	49.499	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	212244	48.379	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	210013	48.839	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.995	75	47235	46.276	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	164875	48.929	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	143052	46.937	ug/L	99
71) Naphthalene	14.085	128	423085	42.101	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	146757	47.961	ug/L	99

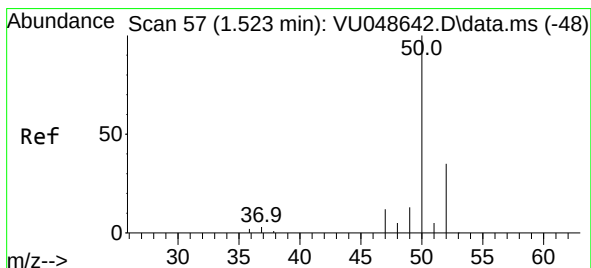
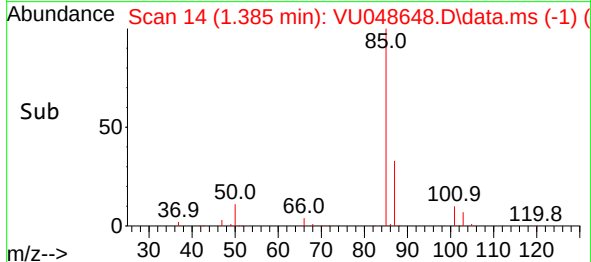
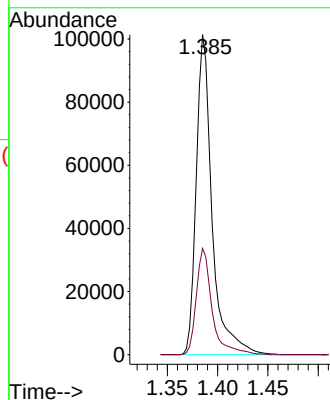
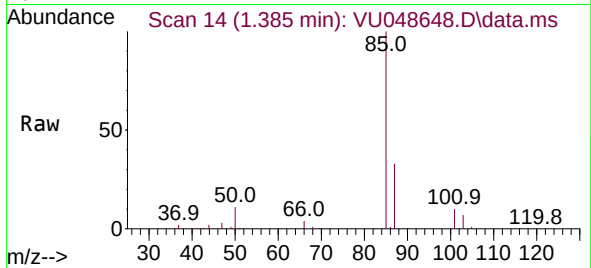
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 46.707 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

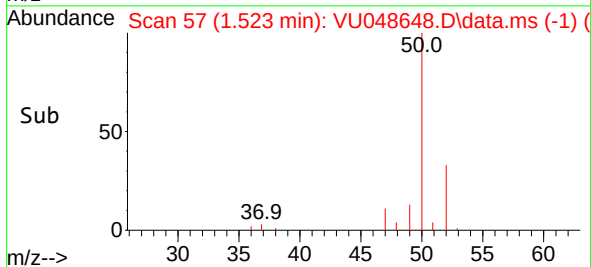
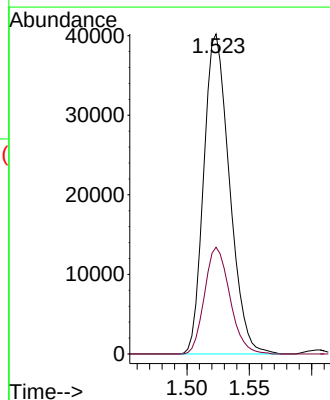
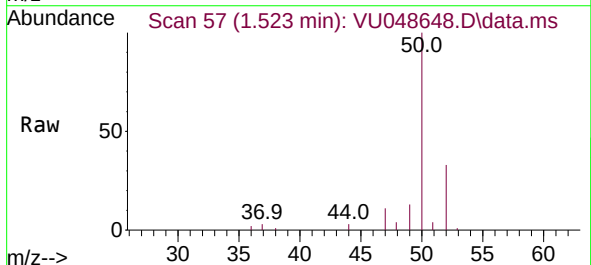
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

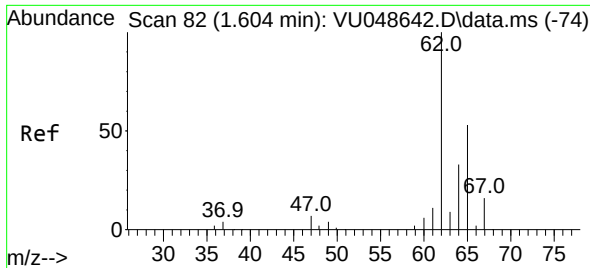
Tgt Ion: 85 Resp: 111093
Ion Ratio Lower Upper
85 100
87 33.2 25.4 38.2



#3
Chloromethane
Concen: 39.348 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

Tgt Ion: 50 Resp: 57746
Ion Ratio Lower Upper
50 100
52 33.3 23.8 44.2

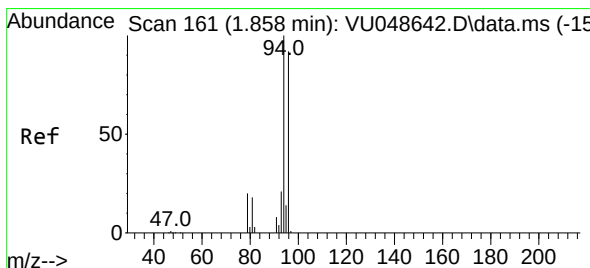
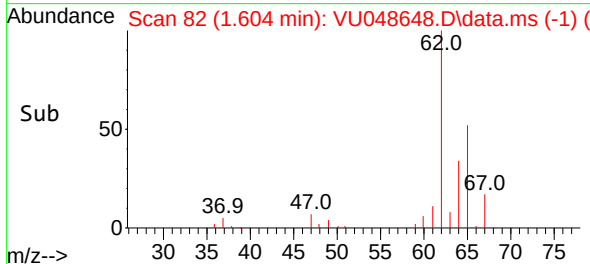
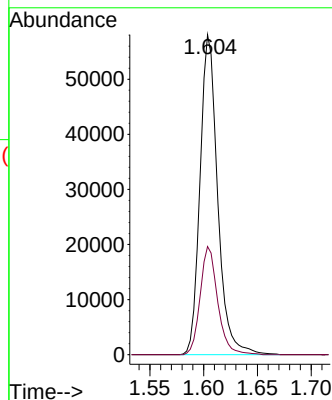
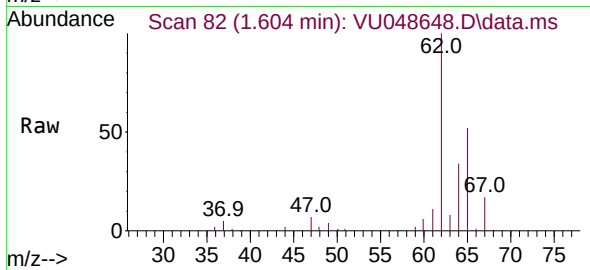




#5
 Vinyl chloride
 Concen: 42.348 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU048648.D
 Acq: 20 May 2022 17:13

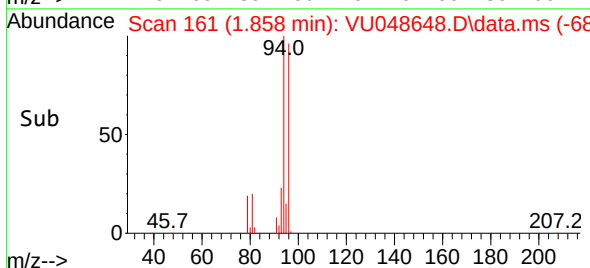
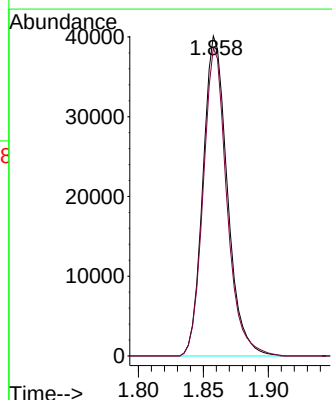
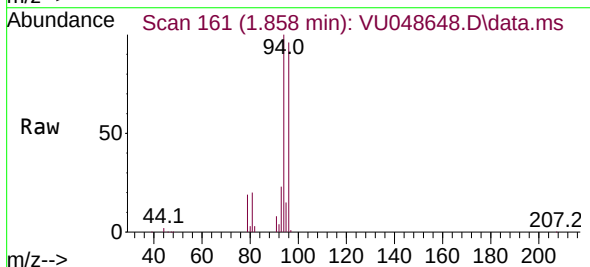
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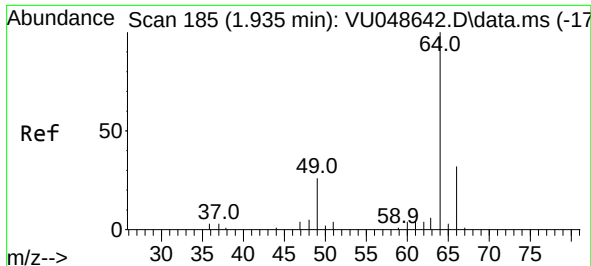
Tgt Ion: 62 Resp: 66112
 Ion Ratio Lower Upper
 62 100
 64 33.8 22.9 42.5



#6
 Bromomethane
 Concen: 46.489 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU048648.D
 Acq: 20 May 2022 17:13

Tgt Ion: 94 Resp: 52396
 Ion Ratio Lower Upper
 94 100
 96 96.2 65.7 121.9

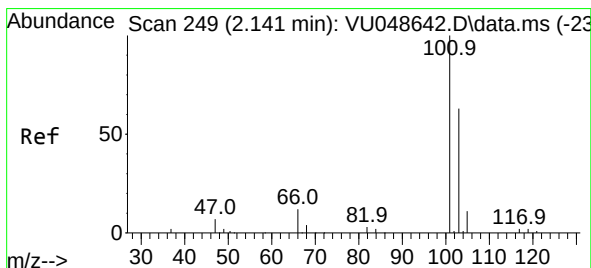
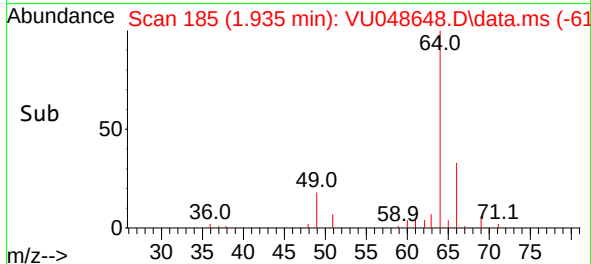
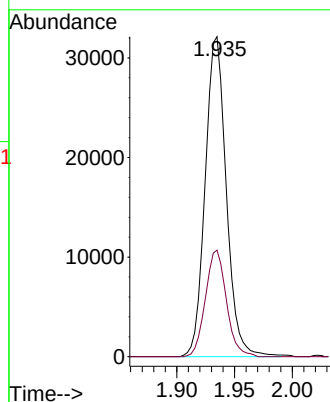
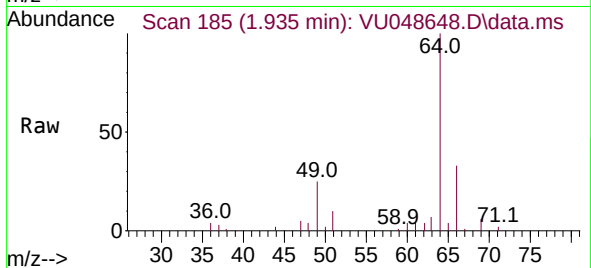




#8
Chloroethane
Concen: 44.551 ug/L
RT: 1.935 min Scan# 185
Delta R.T. -0.000 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

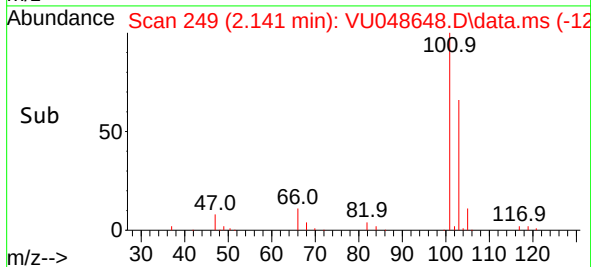
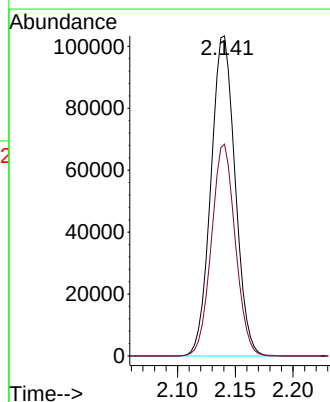
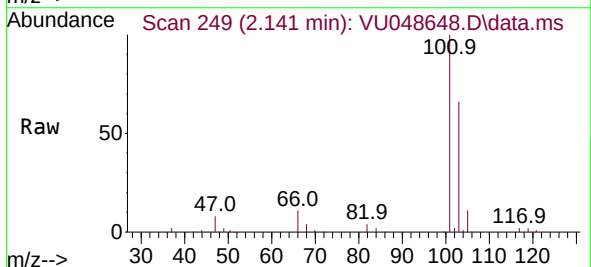
Instrument :
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ClientSampleId :
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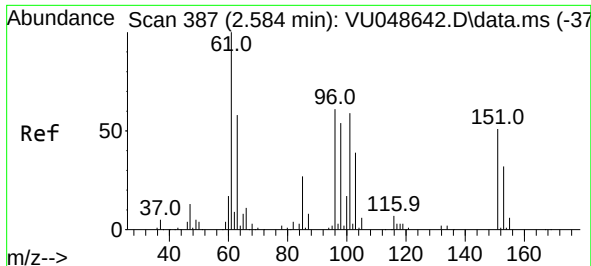
Tgt Ion: 64 Resp: 40938
Ion Ratio Lower Upper
64 100
66 33.3 23.1 42.9



#9
Trichlorofluoromethane
Concen: 49.454 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.000 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

Tgt Ion:101 Resp: 150722
Ion Ratio Lower Upper
101 100
103 65.2 51.6 77.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 51.099 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050137

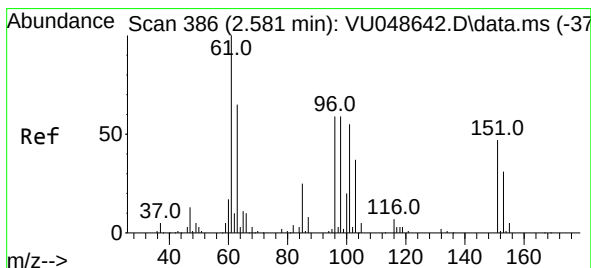
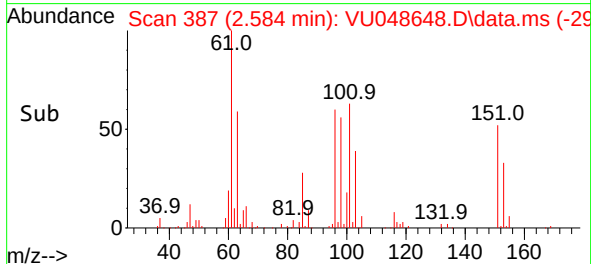
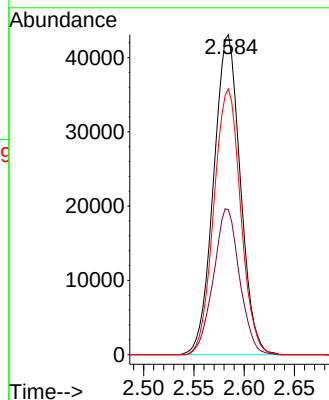
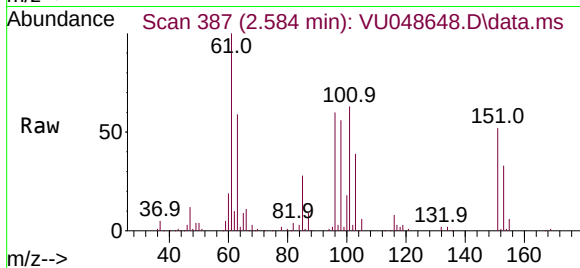
Tgt Ion:101 Resp: 79412

Ion Ratio Lower Upper

101 100

85 44.7 35.7 53.5

151 83.5 64.4 96.6



#12

1,1-Dichloroethene

Concen: 47.299 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

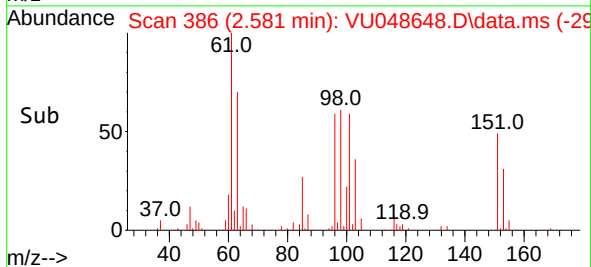
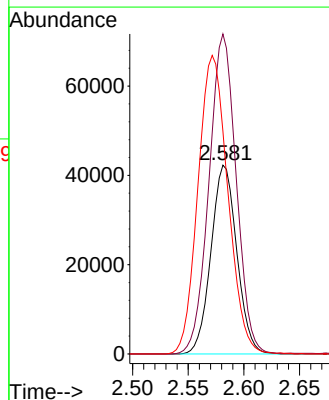
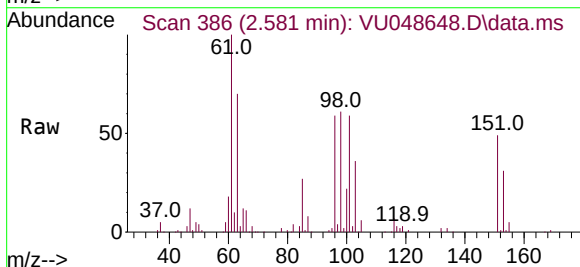
Tgt Ion: 96 Resp: 68112

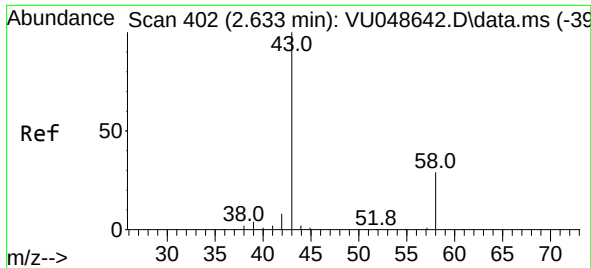
Ion Ratio Lower Upper

96 100

61 169.5 120.6 224.0

63 118.0 82.3 152.9





#13

Acetone

Concen: 84.065 ug/L

RT: 2.639 min Scan# 402

Delta R.T. 0.006 min

Lab File: VU048648.D

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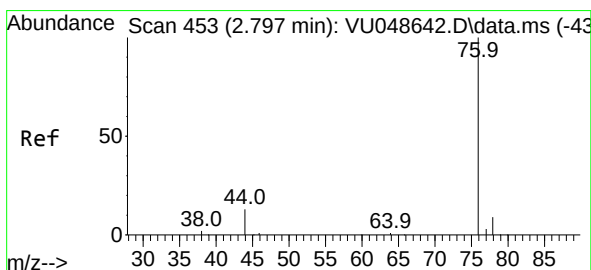
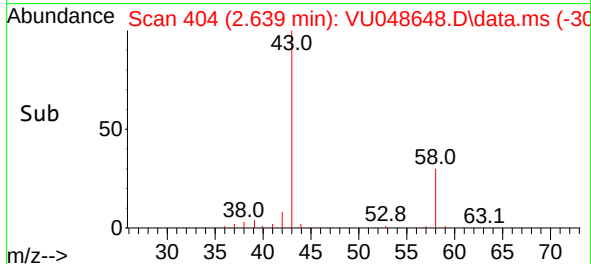
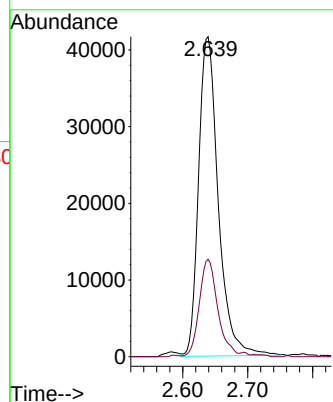
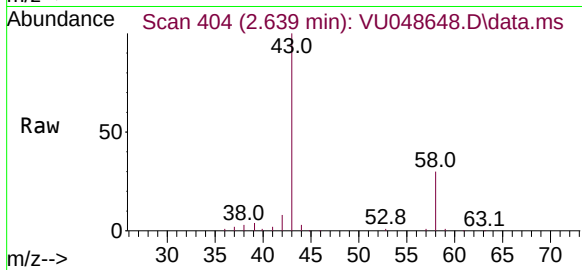
VSTD050137

Tgt Ion: 43 Resp: 88107

Ion Ratio Lower Upper

43 100

58 28.0 0.0 59.8



#14

Carbon disulfide

Concen: 44.107 ug/L

RT: 2.797 min Scan# 453

Delta R.T. -0.000 min

Lab File: VU048648.D

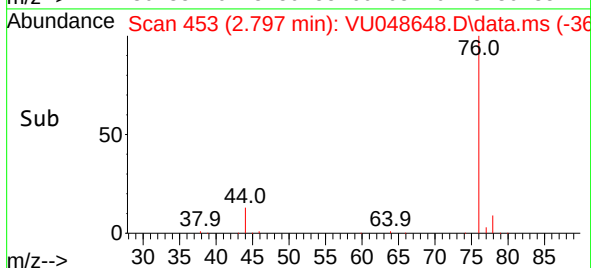
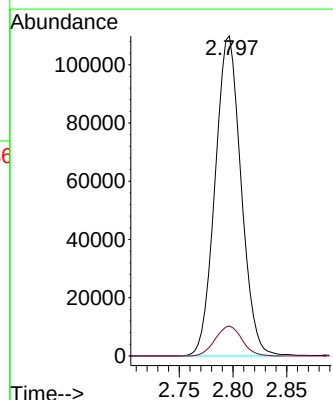
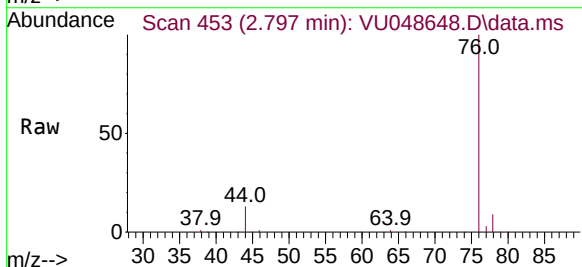
Acq: 20 May 2022 17:13

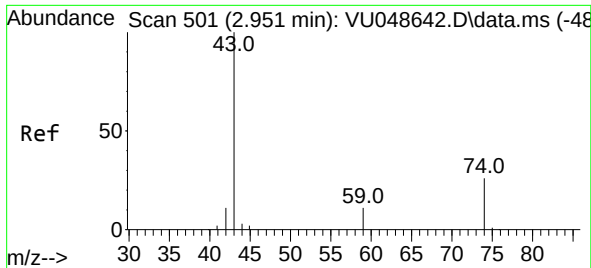
Tgt Ion: 76 Resp: 184323

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

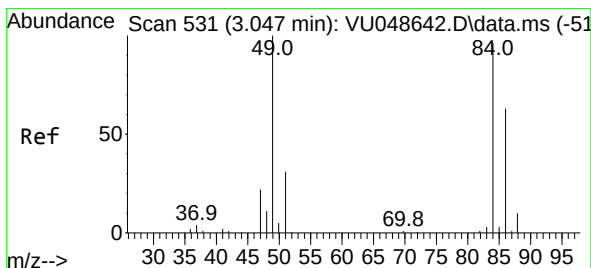
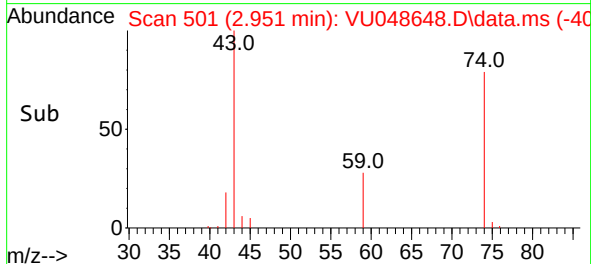
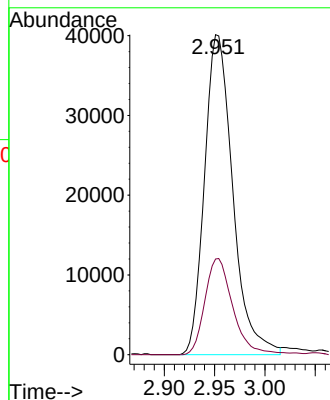
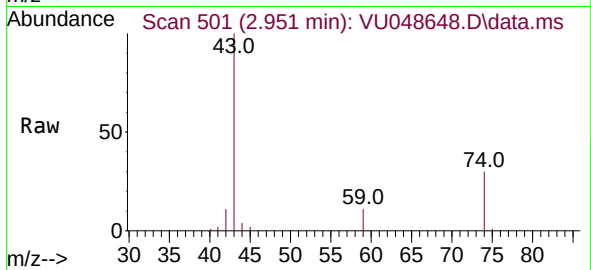




#15
Methyl Acetate
Concen: 43.909 ug/L
RT: 2.951 min Scan# 501
Delta R.T. -0.000 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

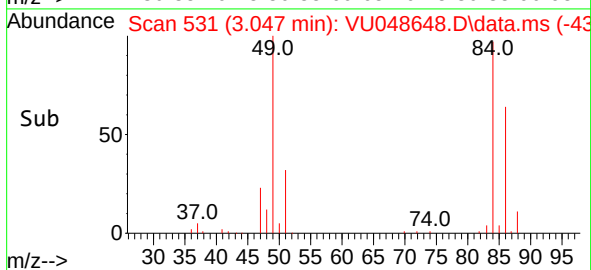
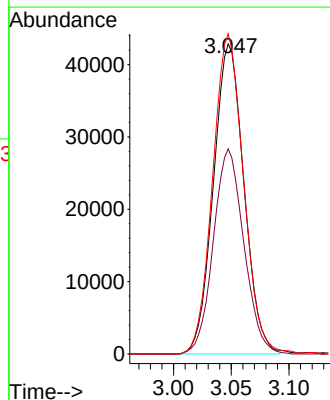
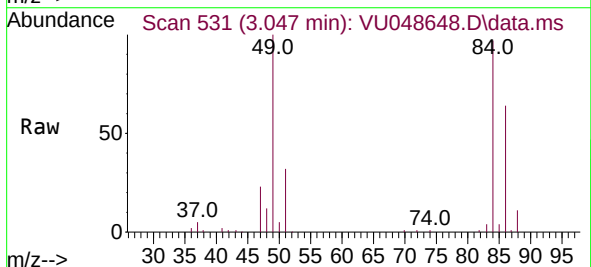
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

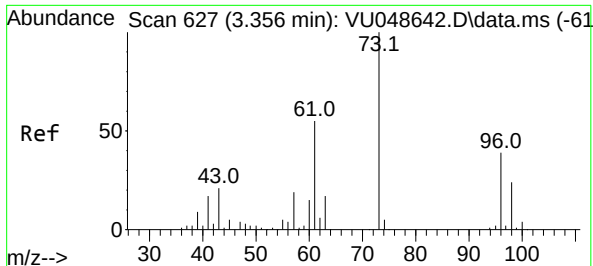
Tgt Ion: 43 Resp: 78542
Ion Ratio Lower Upper
43 100
74 29.6 21.7 32.5



#16
Methylene chloride
Concen: 47.007 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

Tgt Ion: 84 Resp: 78807
Ion Ratio Lower Upper
84 100
86 66.2 43.5 80.9
49 103.2 76.4 141.8





#17

trans-1,2-Dichloroethene

Concen: 48.869 ug/L

RT: 3.356 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050137

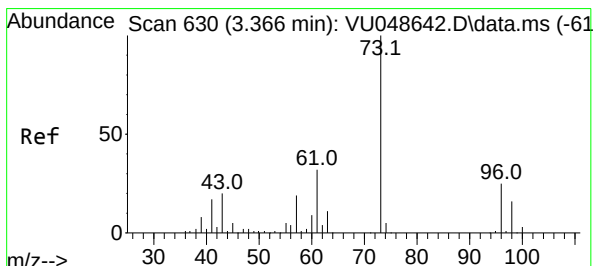
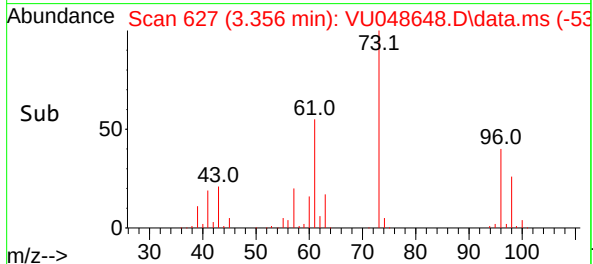
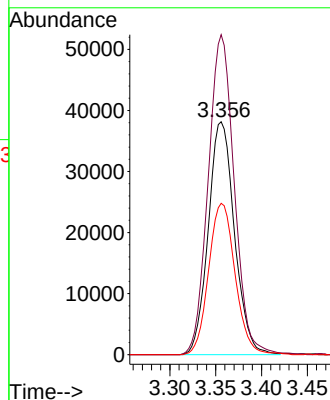
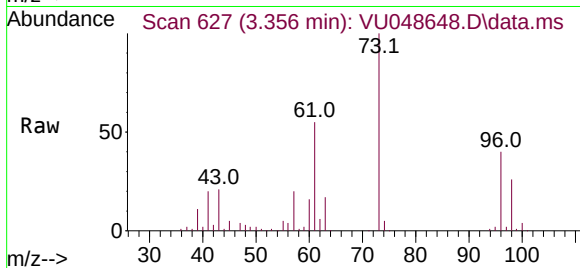
Tgt Ion: 96 Resp: 75902

Ion Ratio Lower Upper

96 100

61 137.4 94.2 175.0

98 65.0 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 49.669 ug/L

RT: 3.366 min Scan# 630

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

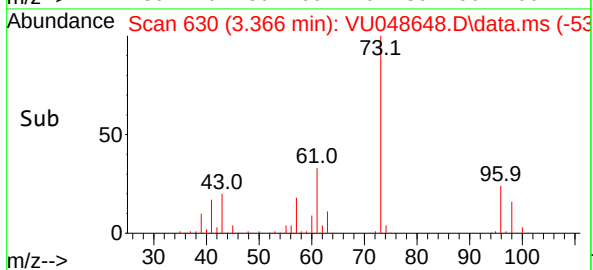
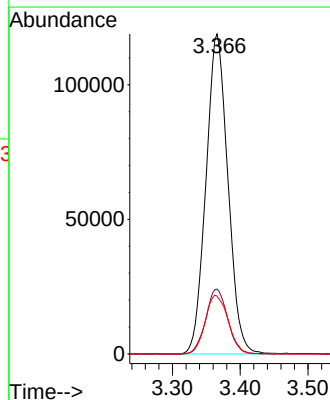
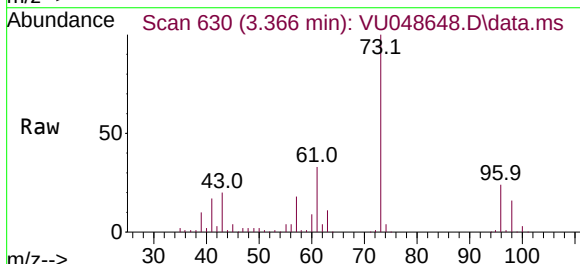
Tgt Ion: 73 Resp: 267649

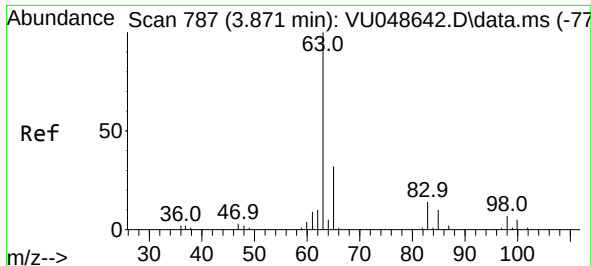
Ion Ratio Lower Upper

73 100

43 20.2 16.2 24.4

57 19.2 15.7 23.5





#19

1,1-Dichloroethane

Concen: 48.683 ug/L

RT: 3.874 min Scan# 787

Delta R.T. 0.003 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050137

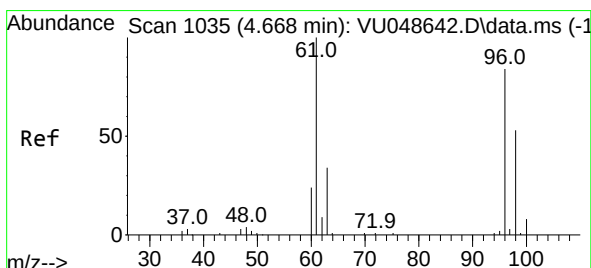
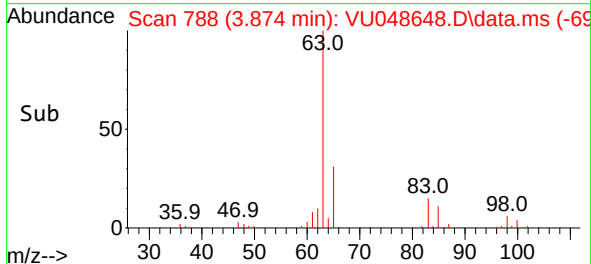
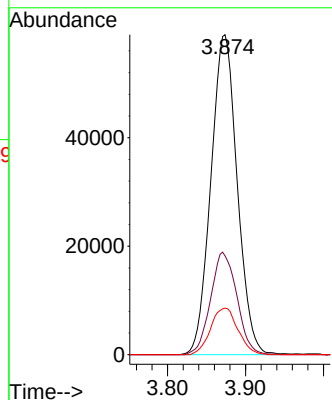
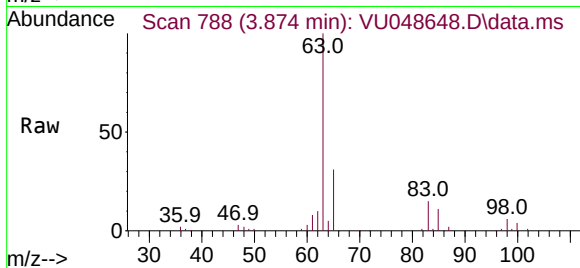
Tgt Ion: 63 Resp: 138429

Ion Ratio Lower Upper

63 100

65 30.9 21.8 40.6

83 14.6 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 49.693 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

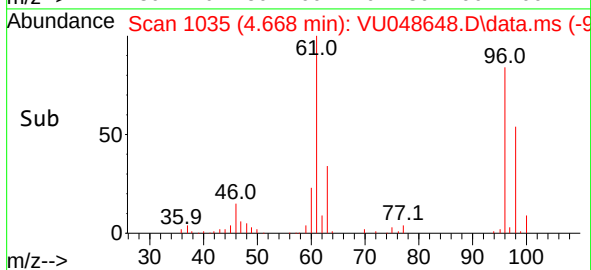
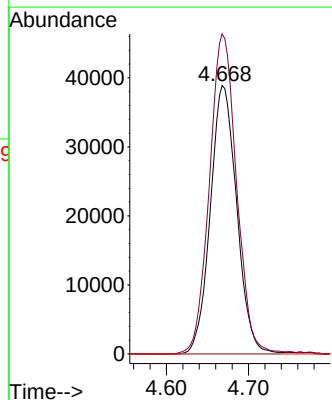
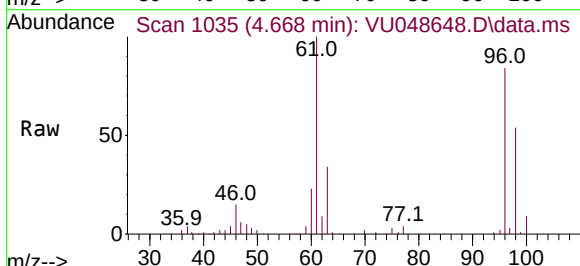
Tgt Ion: 96 Resp: 87041

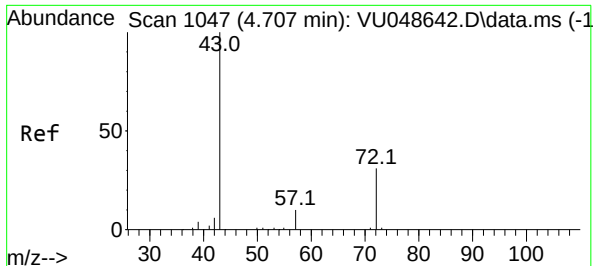
Ion Ratio Lower Upper

96 100

61 119.2 88.3 164.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 89.345 ug/L

RT: 4.706 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

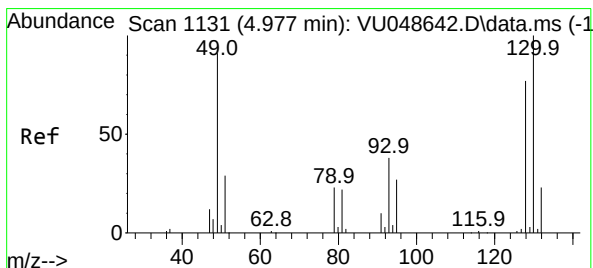
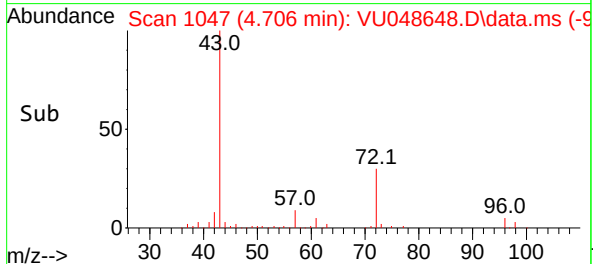
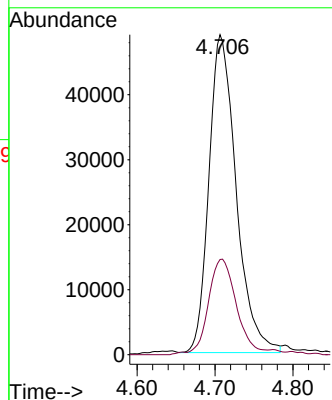
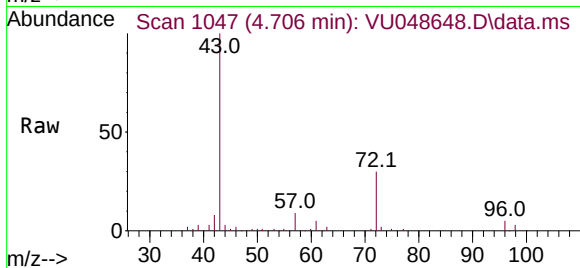
VSTD050137

Tgt Ion: 43 Resp: 118897

Ion Ratio Lower Upper

43 100

72 29.5 15.4 46.2



#23

Bromochloromethane

Concen: 49.439 ug/L

RT: 4.976 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

Tgt Ion:128 Resp: 48052

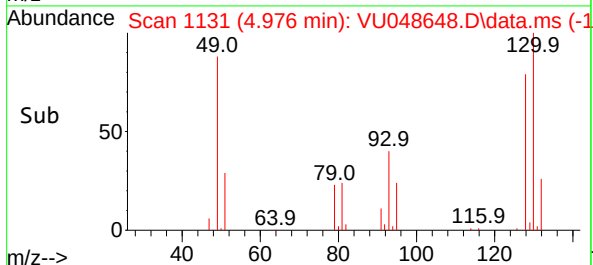
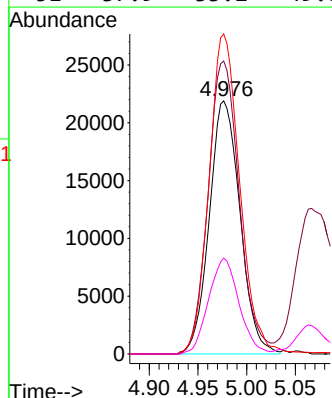
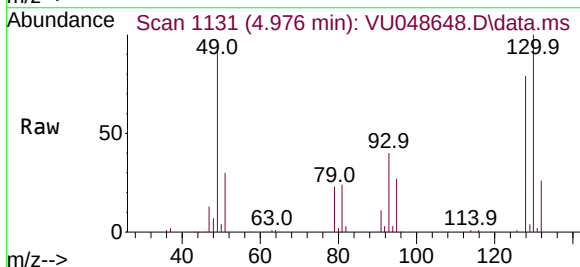
Ion Ratio Lower Upper

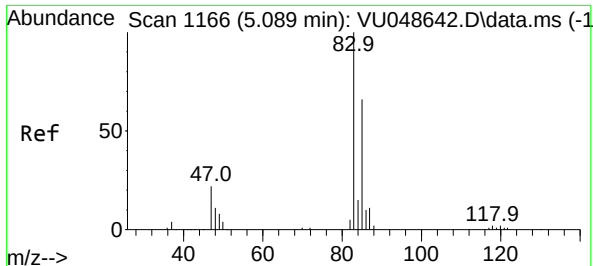
128 100

49 115.7 91.9 170.7

130 126.4 88.4 164.2

51 37.9 33.2 49.8





#25

Chloroform

Concen: 51.004 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

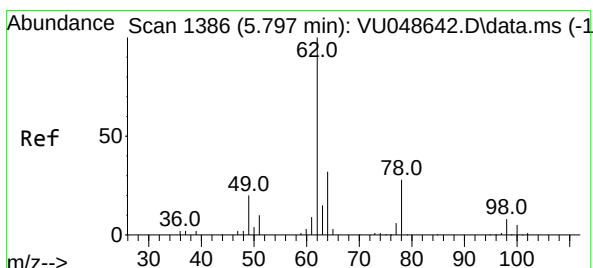
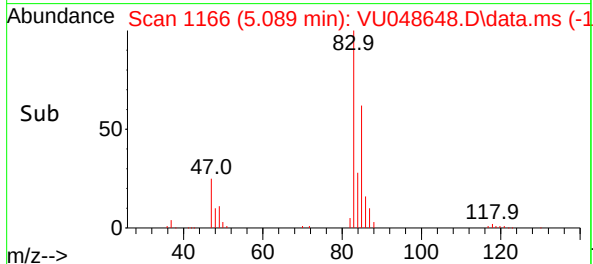
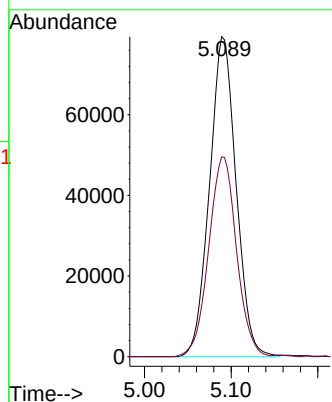
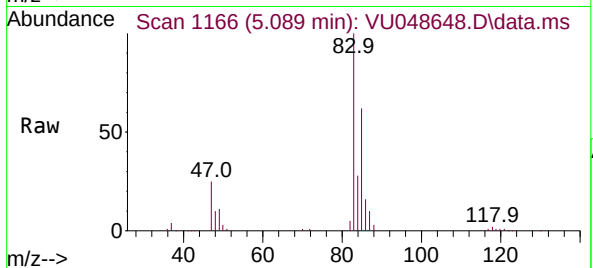
VSTD050137

Tgt Ion: 83 Resp: 169284

Ion Ratio Lower Upper

83 100

85 62.4 45.1 83.7



#27

1,2-Dichloroethane

Concen: 50.808 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU048648.D

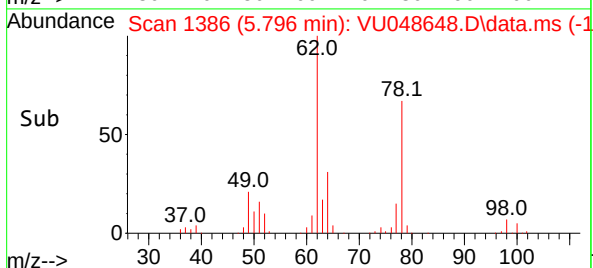
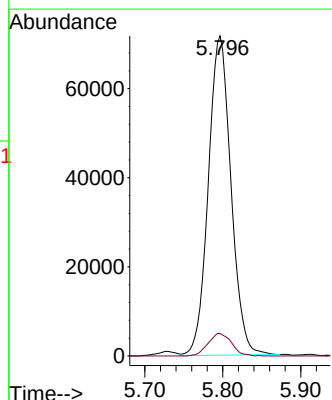
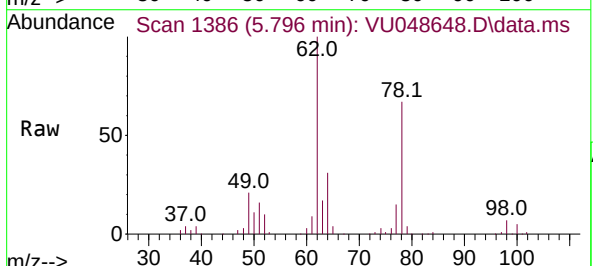
Acq: 20 May 2022 17:13

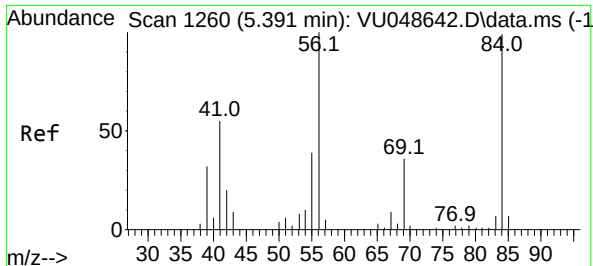
Tgt Ion: 62 Resp: 144661

Ion Ratio Lower Upper

62 100

98 7.0 6.0 9.0





#29

Cyclohexane

Concen: 45.513 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050137

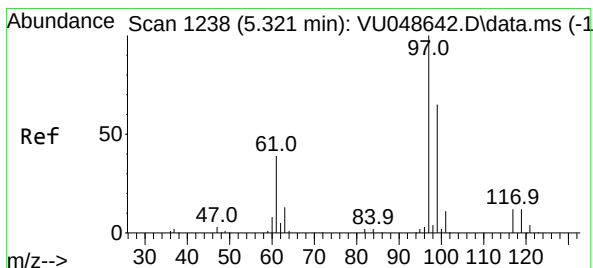
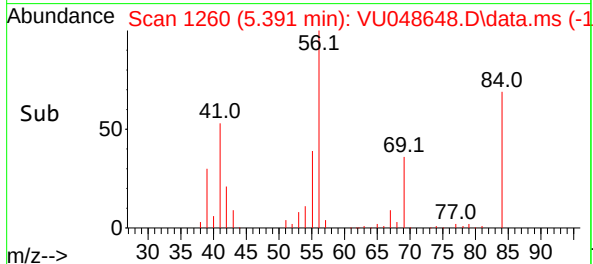
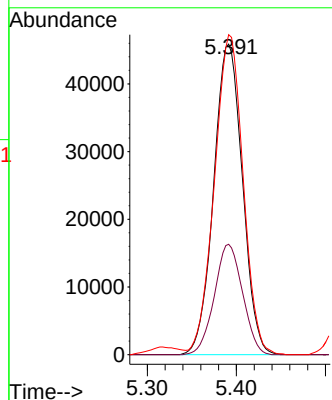
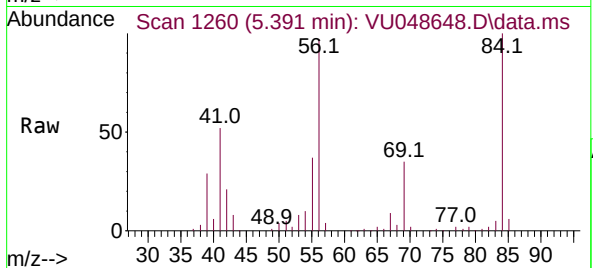
Tgt Ion: 56 Resp: 102855

Ion Ratio Lower Upper

56 100

69 34.8 26.5 39.7

84 102.4 78.0 117.0



#30

1,1,1-Trichloroethane

Concen: 49.986 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

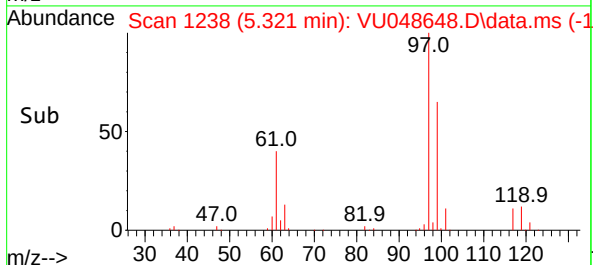
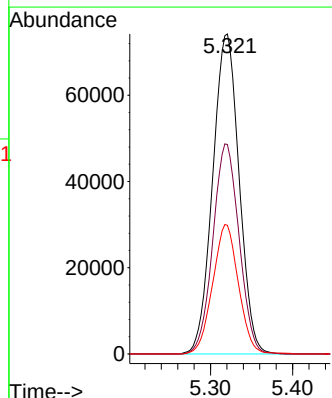
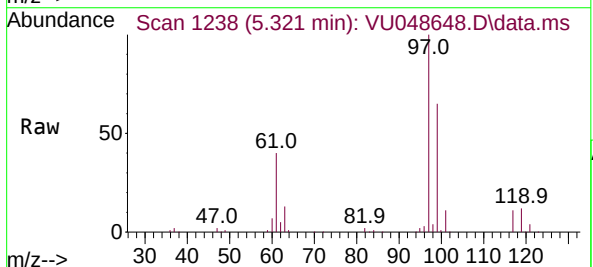
Tgt Ion: 97 Resp: 166528

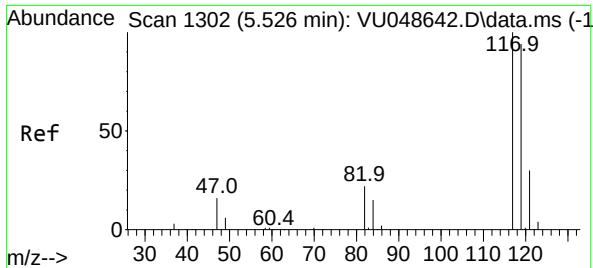
Ion Ratio Lower Upper

97 100

99 65.0 50.3 75.5

61 39.4 32.6 48.8

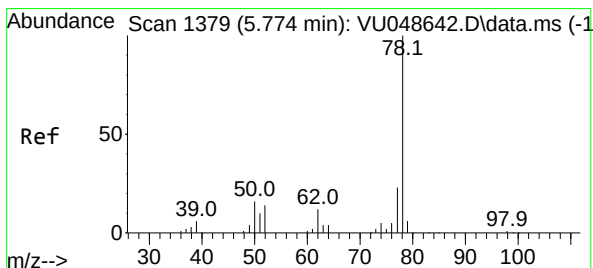
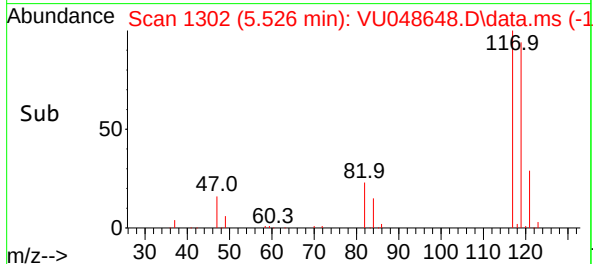
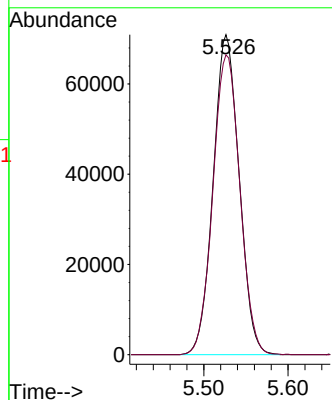
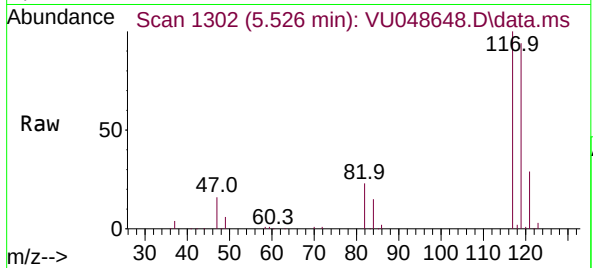




#31
Carbon tetrachloride
Concen: 50.018 ug/L
RT: 5.526 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

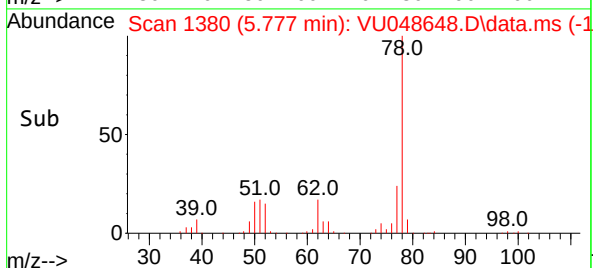
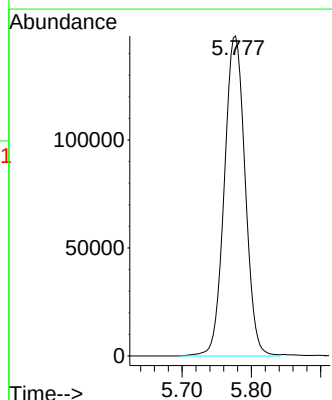
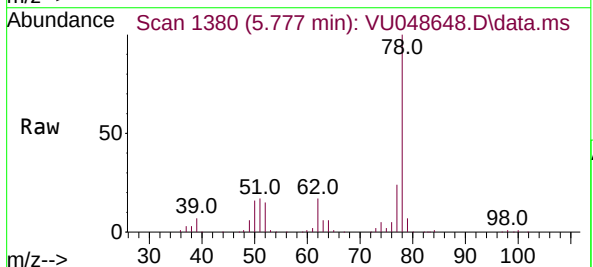
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

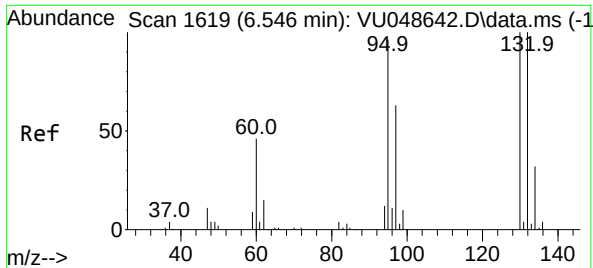
Tgt Ion:117 Resp: 151862
Ion Ratio Lower Upper
117 100
119 97.3 76.0 114.0



#33
Benzene
Concen: 48.091 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

Tgt Ion: 78 Resp: 309139

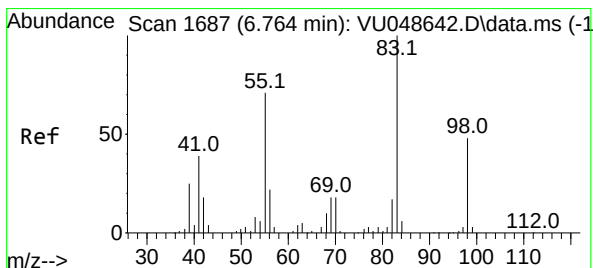
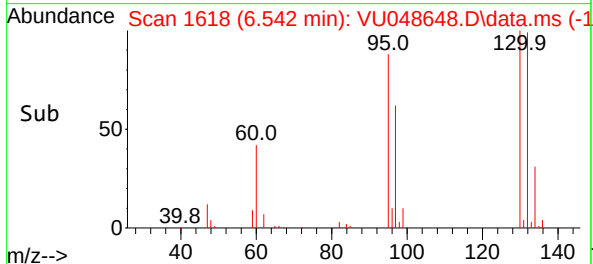
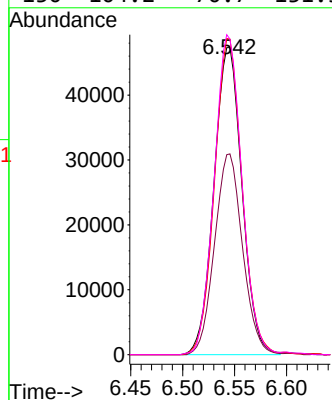
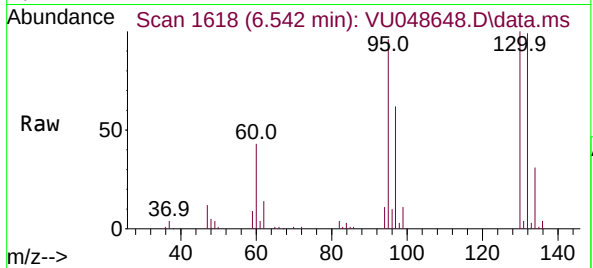




#34
Trichloroethene
Concen: 48.949 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

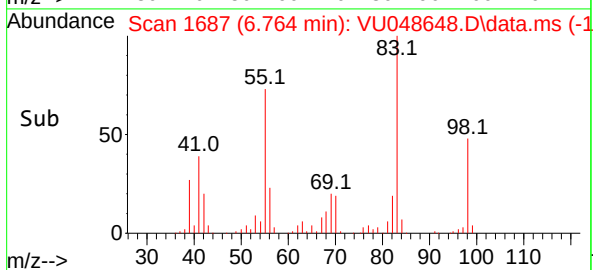
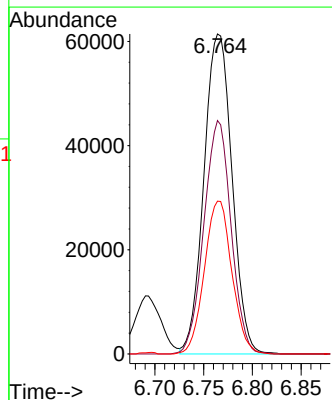
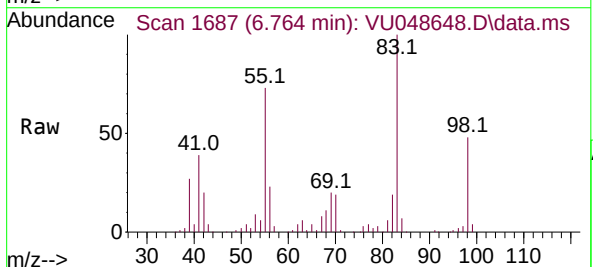
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

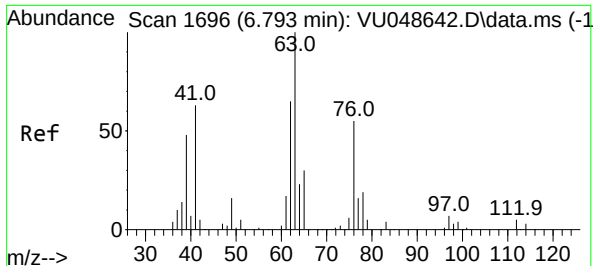
Tgt Ion: 95 Resp: 89023
Ion Ratio Lower Upper
95 100
97 65.1 45.2 84.0
132 102.9 67.3 124.9
130 104.2 70.7 131.3



#35
Methylcyclohexane
Concen: 47.250 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

Tgt Ion: 83 Resp: 123314
Ion Ratio Lower Upper
83 100
55 70.5 56.2 84.4
98 46.7 38.2 57.2





#37

1,2-Dichloropropane

Concen: 45.564 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

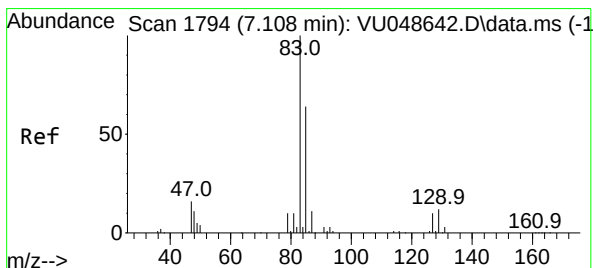
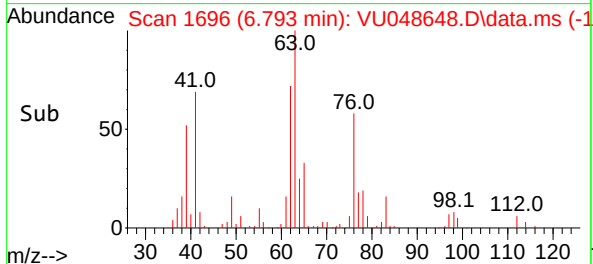
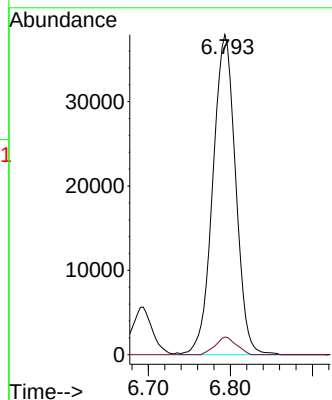
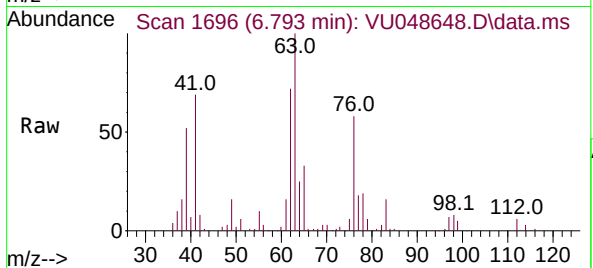
VSTD050137

Tgt Ion: 63 Resp: 73237

Ion Ratio Lower Upper

63 100

112 5.1 3.7 5.5



#38

Bromodichloromethane

Concen: 49.615 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

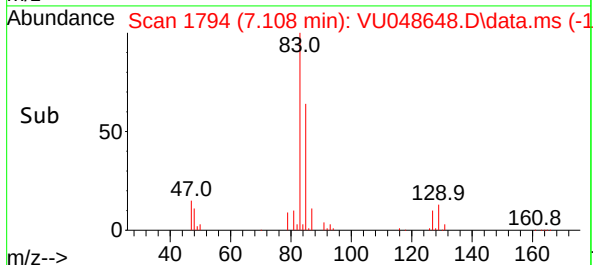
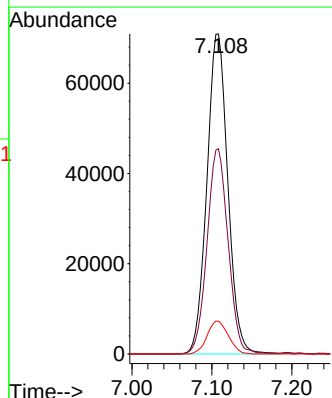
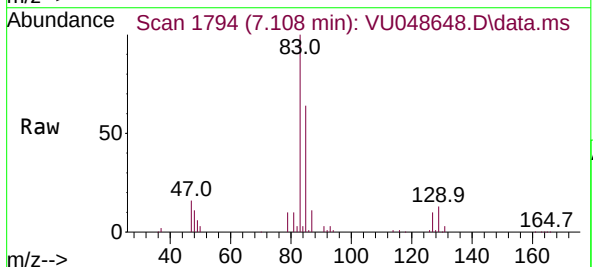
Tgt Ion: 83 Resp: 129027

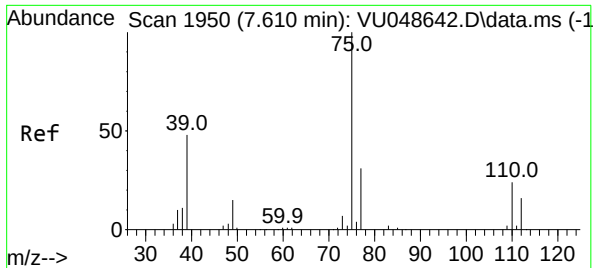
Ion Ratio Lower Upper

83 100

85 64.2 46.1 85.5

127 10.3 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 49.640 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

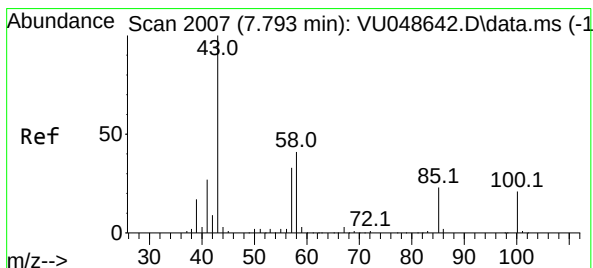
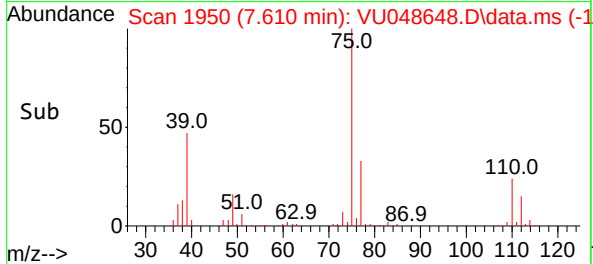
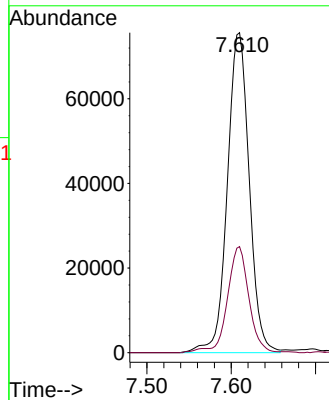
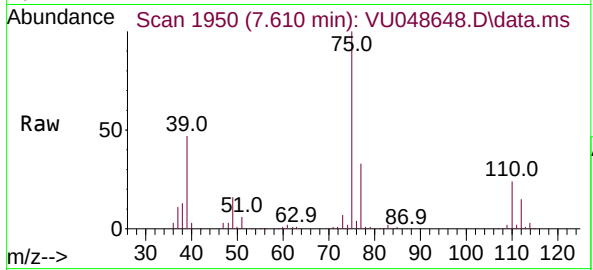
VSTD050137

Tgt Ion: 75 Resp: 136226

Ion Ratio Lower Upper

75 100

77 33.2 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 91.251 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.003 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

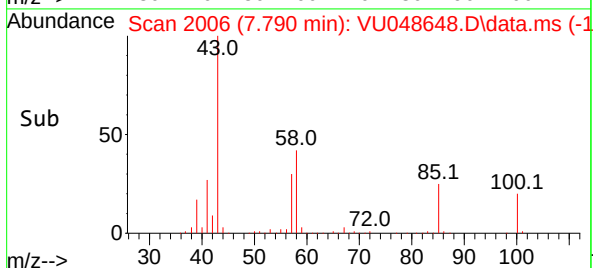
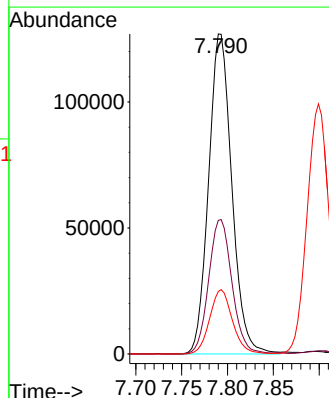
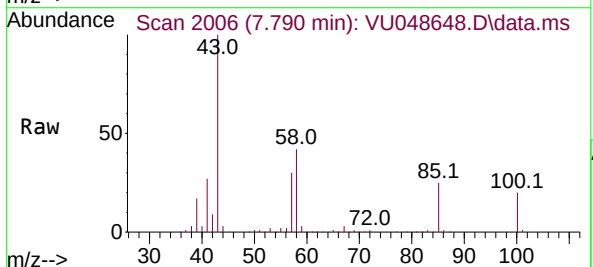
Tgt Ion: 43 Resp: 223828

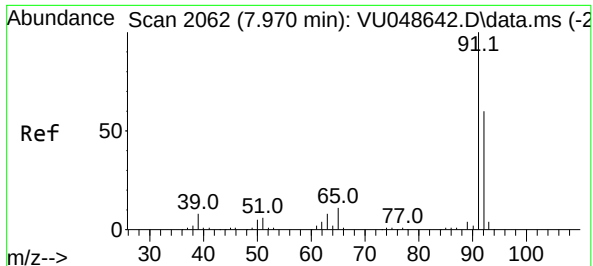
Ion Ratio Lower Upper

43 100

58 42.1 34.3 51.5

100 19.7 14.7 22.1





#42

Toluene

Concen: 50.141 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

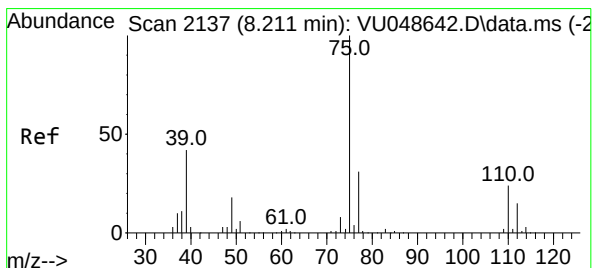
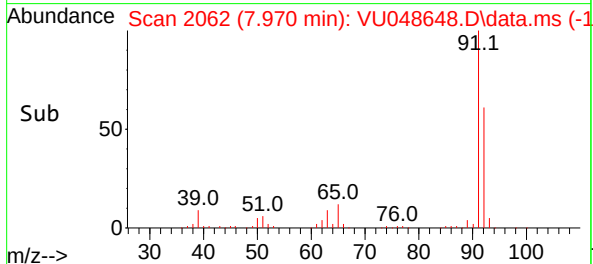
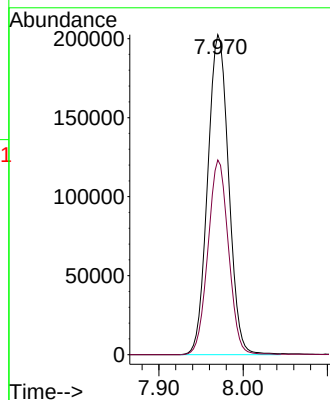
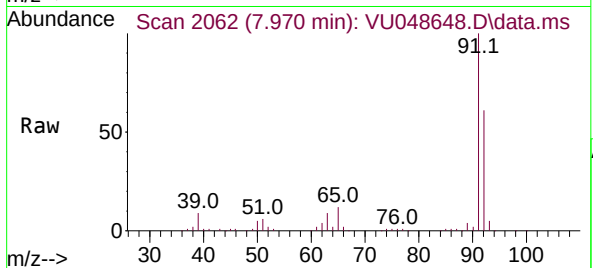
VSTD050137

Tgt Ion: 91 Resp: 351311

Ion Ratio Lower Upper

91 100

92 60.9 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 49.917 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048648.D

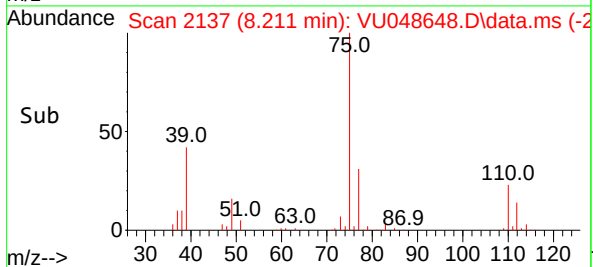
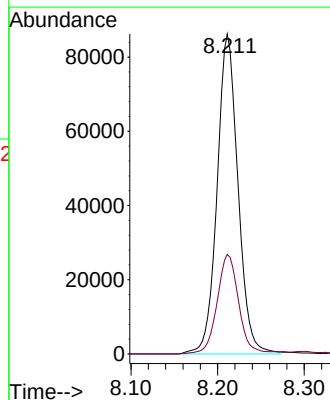
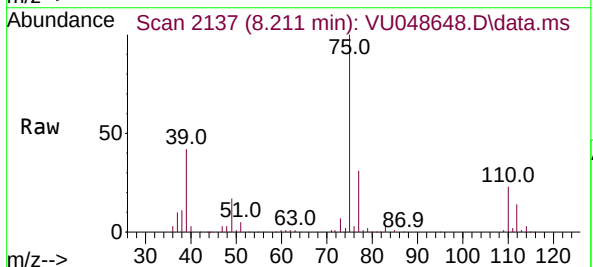
Acq: 20 May 2022 17:13

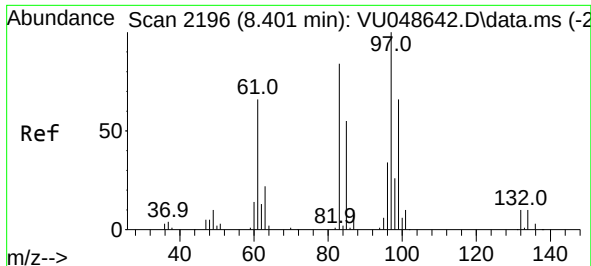
Tgt Ion: 75 Resp: 144465

Ion Ratio Lower Upper

75 100

77 31.1 22.7 42.1

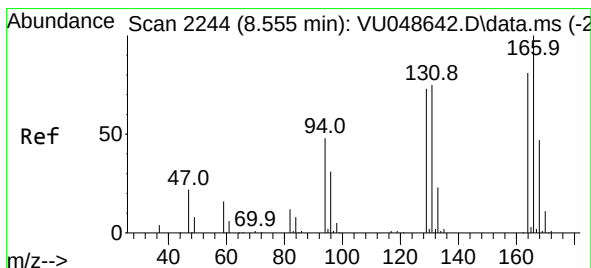
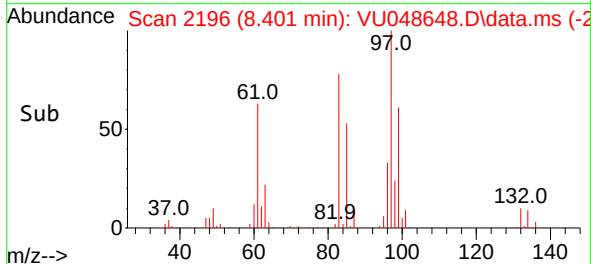
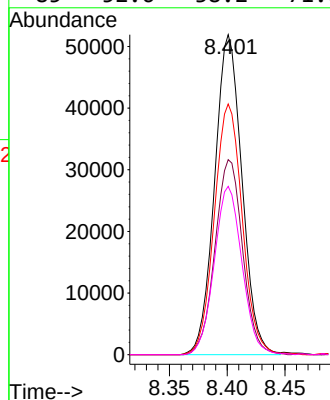
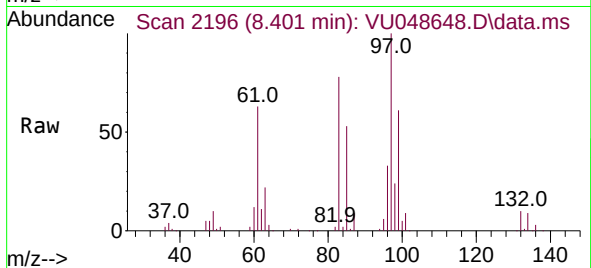




#45
1,1,2-Trichloroethane
Concen: 49.750 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

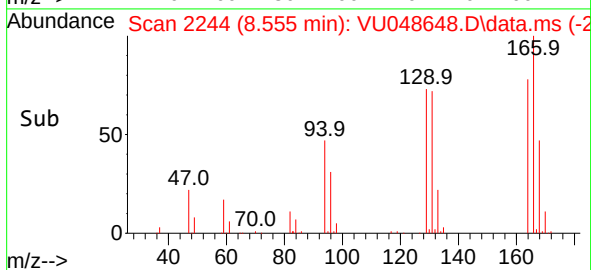
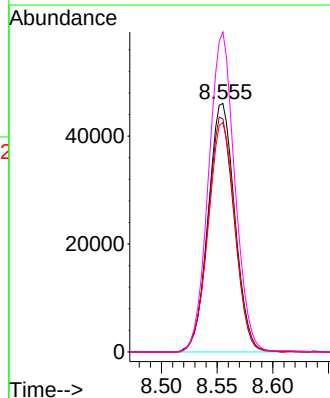
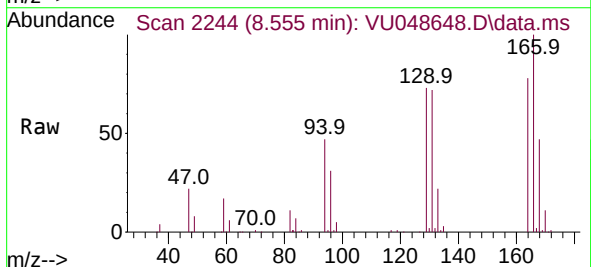
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

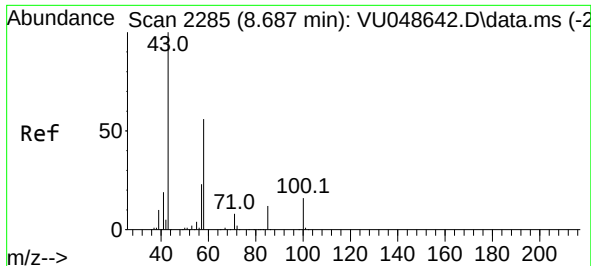
Tgt Ion:	97	Resp:	85633
Ion	Ratio	Lower	Upper
97	100		
99	61.0	42.2	78.4
83	78.3	58.4	108.6
85	52.6	38.2	71.0



#46
Tetrachloroethene
Concen: 51.699 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

Tgt Ion:	164	Resp:	76725
Ion	Ratio	Lower	Upper
164	100		
129	93.7	64.3	119.3
131	92.3	64.5	119.7
166	128.8	87.5	162.5

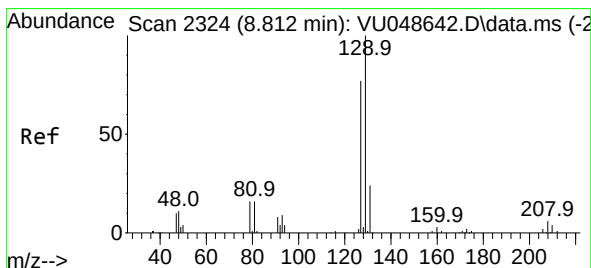
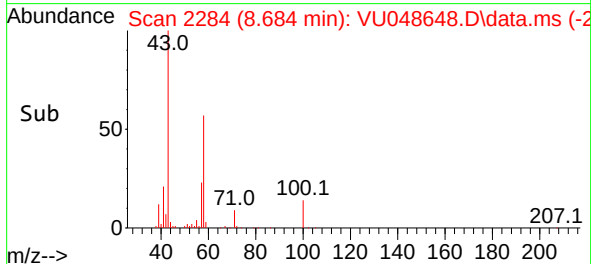
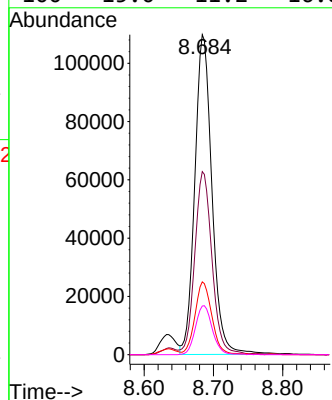
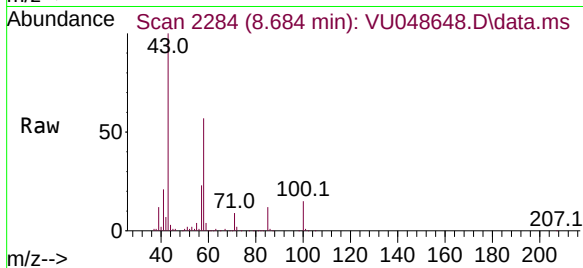




#48
2-Hexanone
Concen: 90.267 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

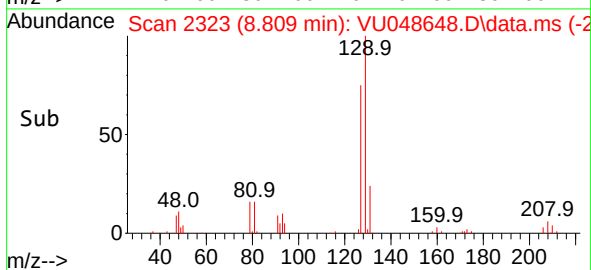
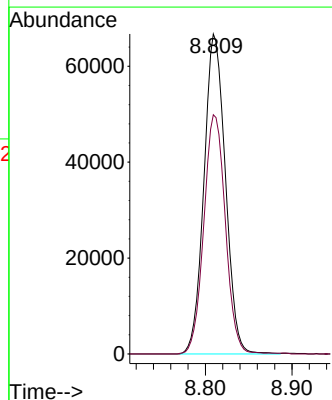
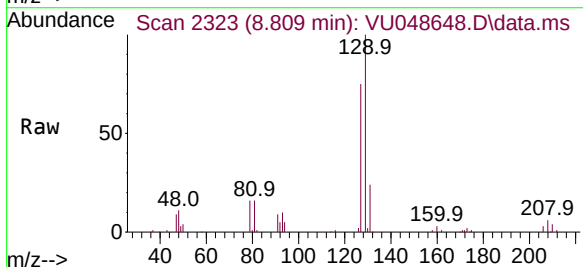
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

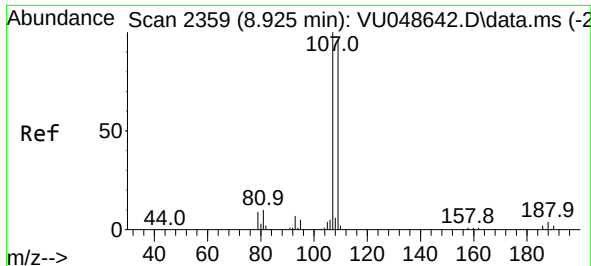
Tgt Ion: 43 Resp: 189708
Ion Ratio Lower Upper
43 100
58 57.0 45.8 68.6
57 21.8 16.8 25.2
100 15.0 11.2 16.8



#49
Dibromochloromethane
Concen: 51.840 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

Tgt Ion: 129 Resp: 114721
Ion Ratio Lower Upper
129 100
127 74.8 53.1 98.5





#50

1,2-Dibromoethane

Concen: 48.391 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050137

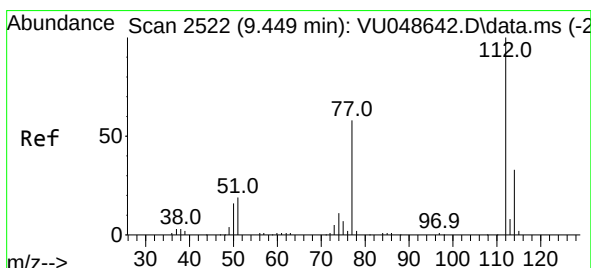
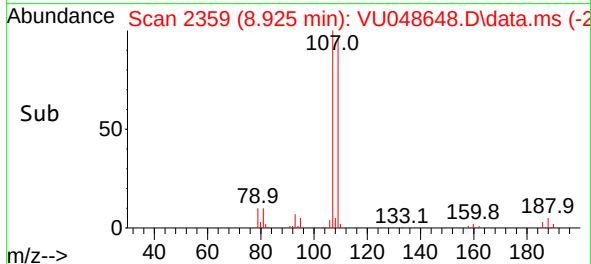
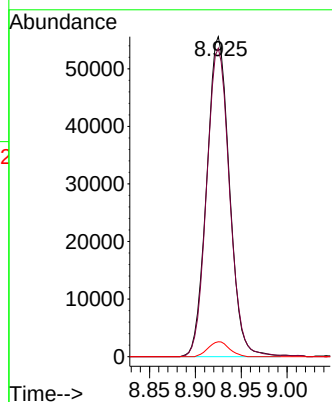
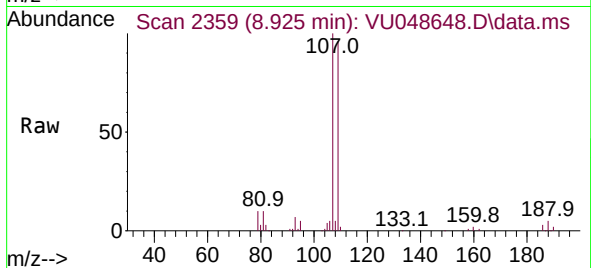
Tgt Ion:107 Resp: 96129

Ion Ratio Lower Upper

107 100

109 96.4 67.5 125.3

188 4.7 3.4 5.2



#51

Chlorobenzene

Concen: 49.156 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.003 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

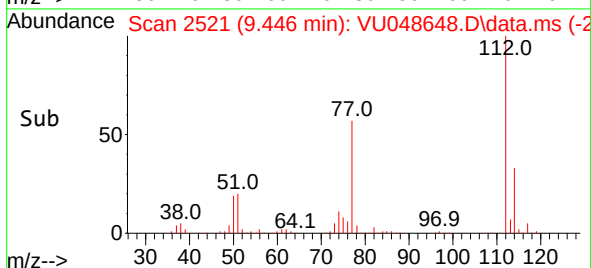
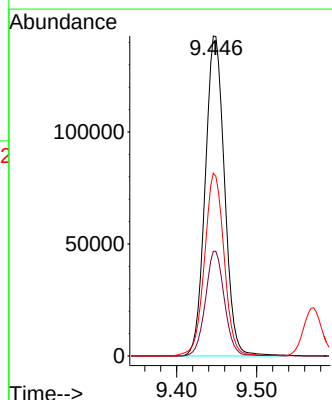
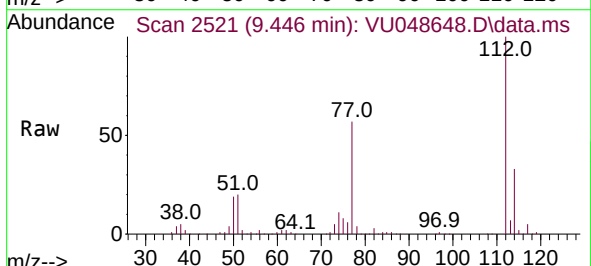
Tgt Ion:112 Resp: 240206

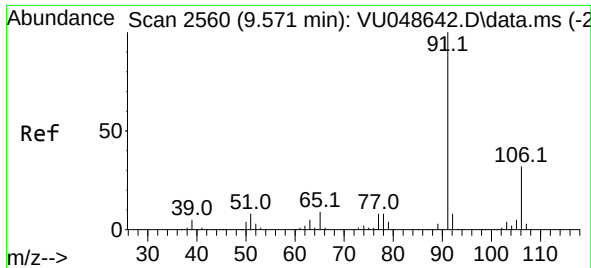
Ion Ratio Lower Upper

112 100

114 32.7 22.3 41.5

77 57.1 46.5 69.7

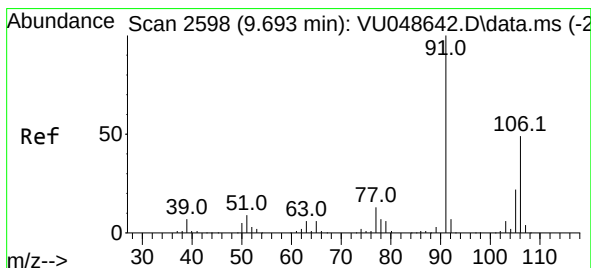
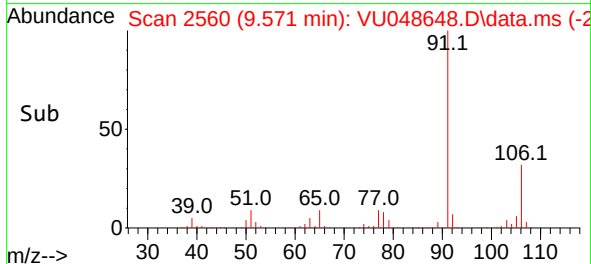
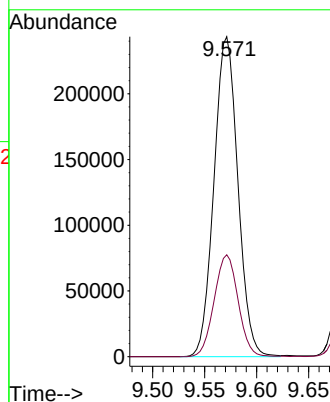
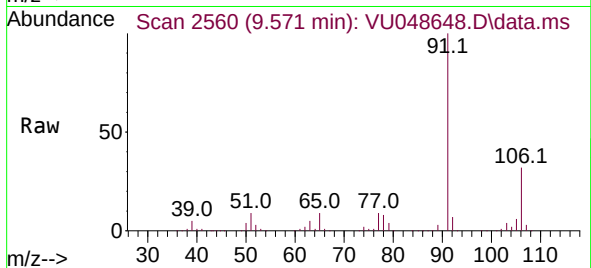




#52
Ethylbenzene
Concen: 48.676 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

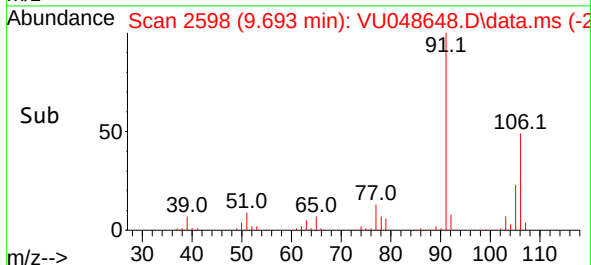
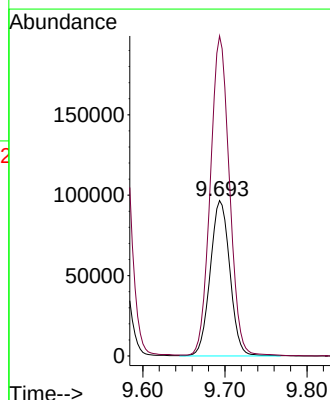
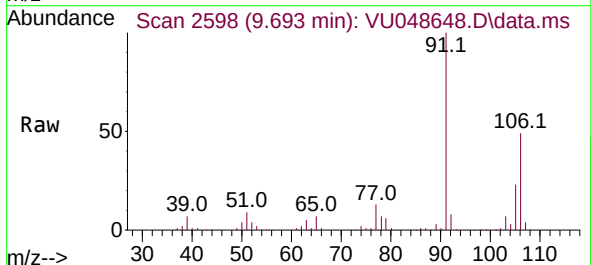
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

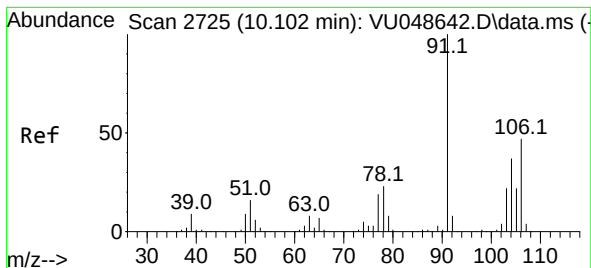
Tgt Ion: 91 Resp: 389742
Ion Ratio Lower Upper
91 100
106 31.9 21.8 40.6



#53
m,p-Xylene
Concen: 49.899 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

Tgt Ion: 106 Resp: 160560
Ion Ratio Lower Upper
106 100
91 206.1 141.8 263.4





#54

o-Xylene

Concen: 50.162 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

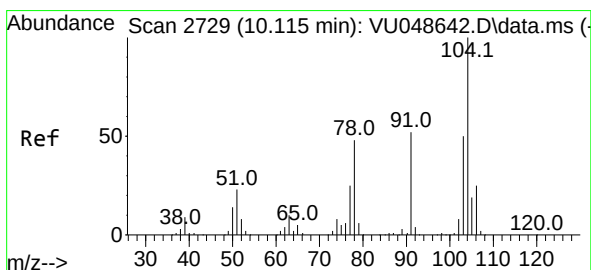
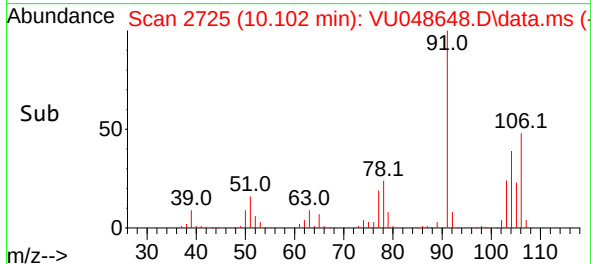
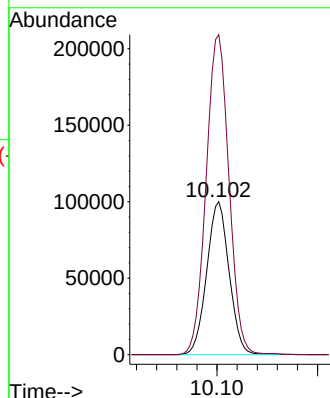
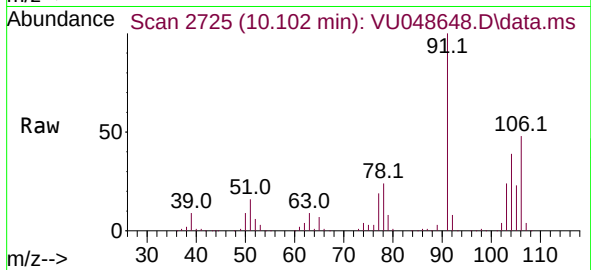
VSTD050137

Tgt Ion:106 Resp: 154629

Ion Ratio Lower Upper

106 100

91 209.1 150.1 278.9



#55

Styrene

Concen: 50.526 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.000 min

Lab File: VU048648.D

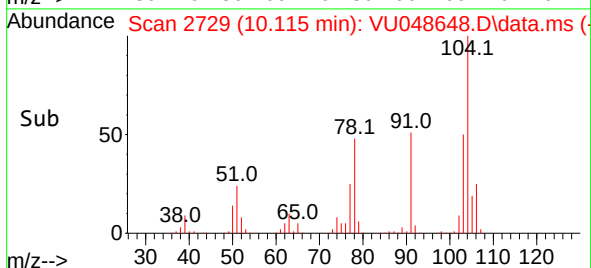
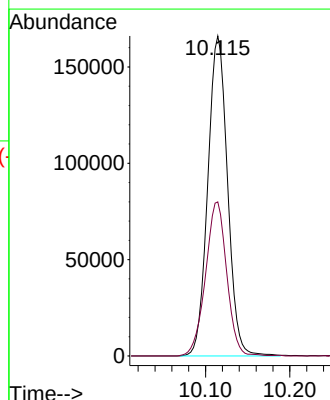
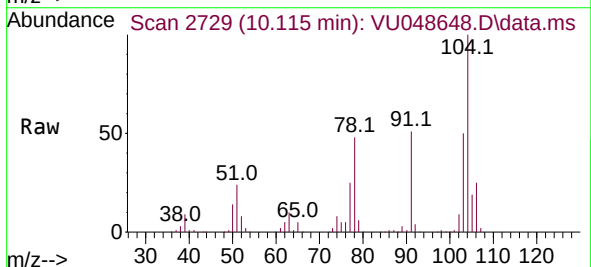
Acq: 20 May 2022 17:13

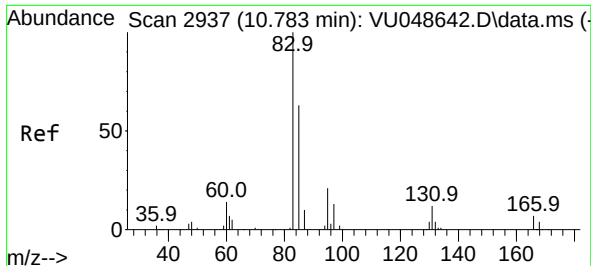
Tgt Ion:104 Resp: 270804

Ion Ratio Lower Upper

104 100

78 48.2 32.7 60.7





#57

1,1,2,2-Tetrachloroethane

Concen: 46.075 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050137

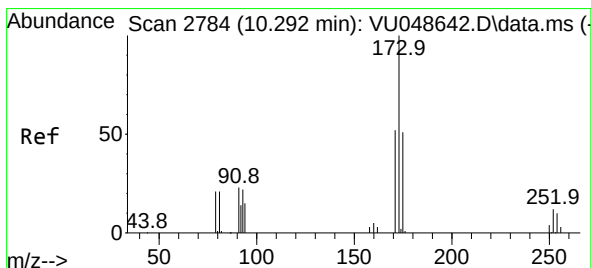
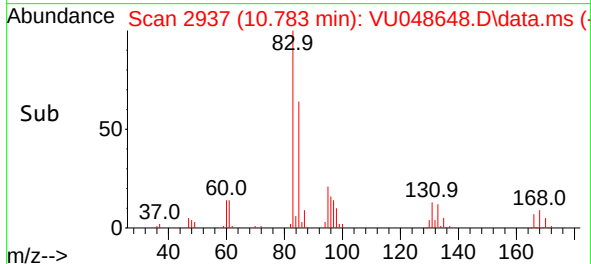
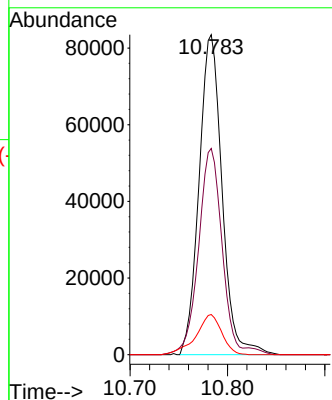
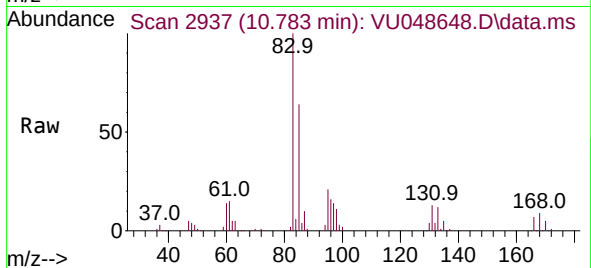
Tgt Ion: 83 Resp: 137066

Ion Ratio Lower Upper

83 100

85 64.5 44.1 81.9

131 12.6 8.9 13.3



#59

Bromoform

Concen: 50.772 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

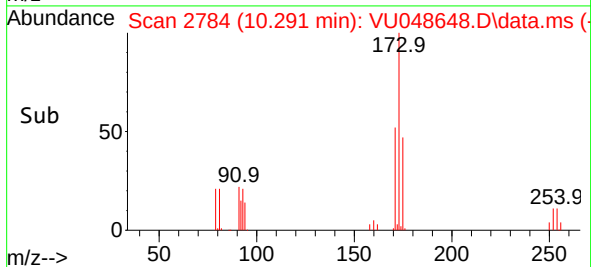
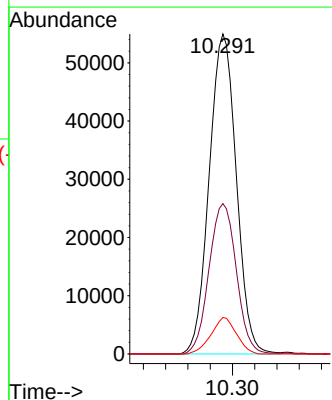
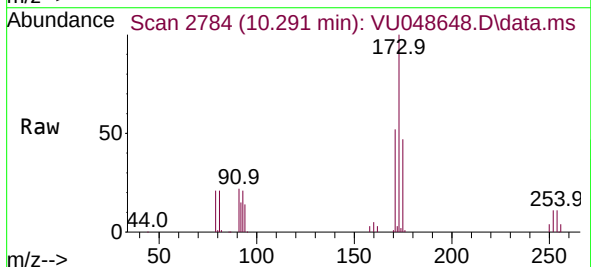
Tgt Ion:173 Resp: 92904

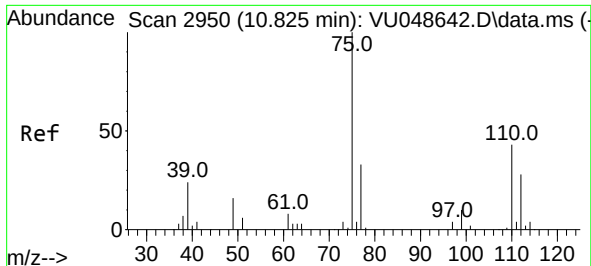
Ion Ratio Lower Upper

173 100

175 47.3 38.2 57.4

254 10.7 7.7 11.5

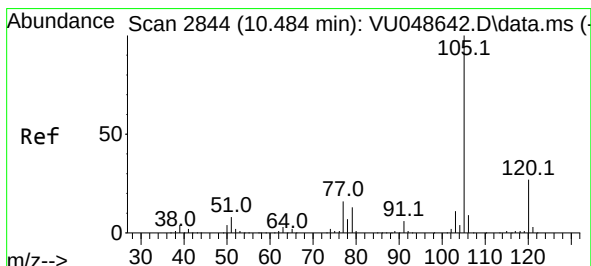
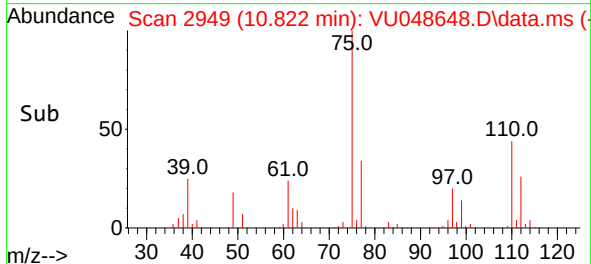
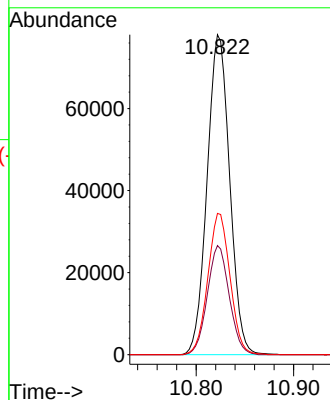
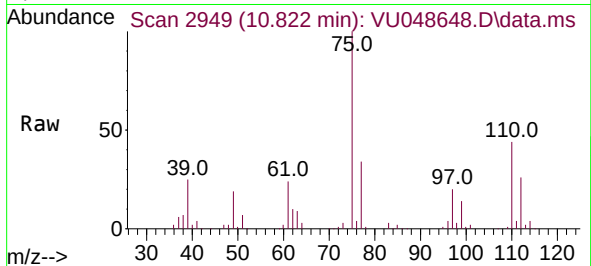




#60
1,2,3-Trichloropropane
Concen: 47.534 ug/L
RT: 10.822 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

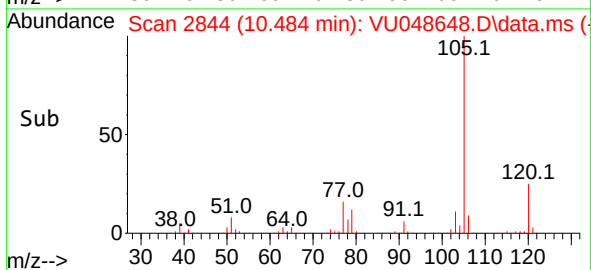
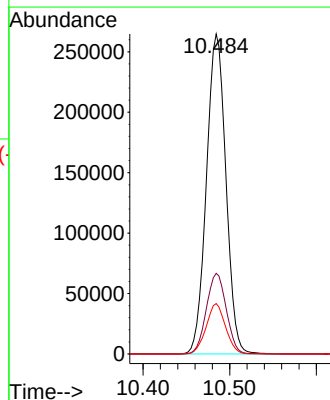
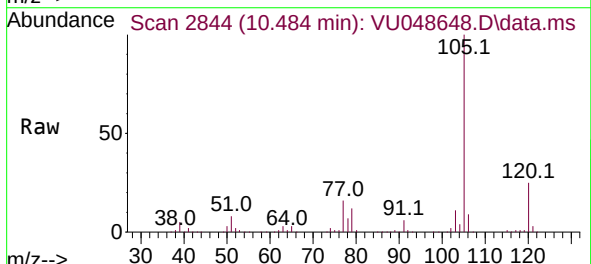
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

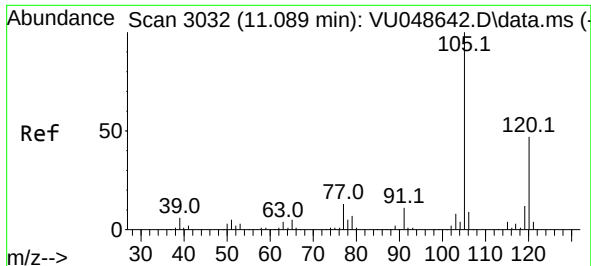
Tgt Ion: 75 Resp: 125491
Ion Ratio Lower Upper
75 100
77 33.1 25.4 38.0
110 43.4 32.1 48.1



#61
Isopropylbenzene
Concen: 50.380 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

Tgt Ion: 105 Resp: 413020
Ion Ratio Lower Upper
105 100
120 25.8 21.0 31.6
77 15.7 12.5 18.7





#62

1,3,5-Trimethylbenzene

Concen: 50.655 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

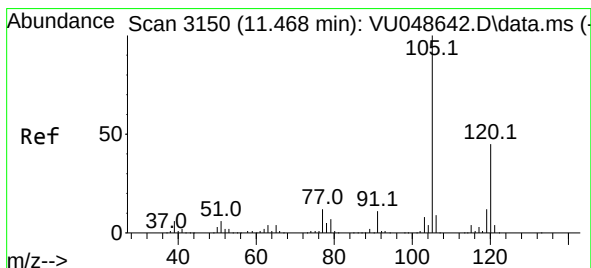
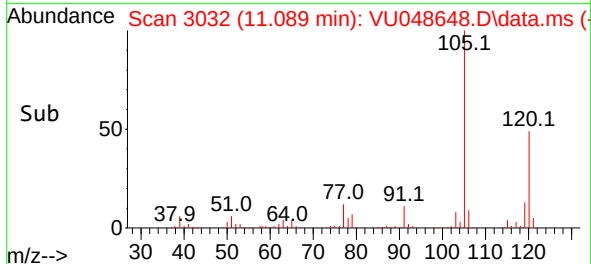
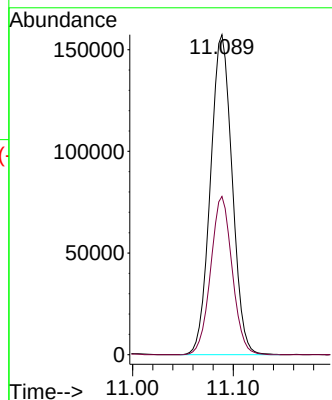
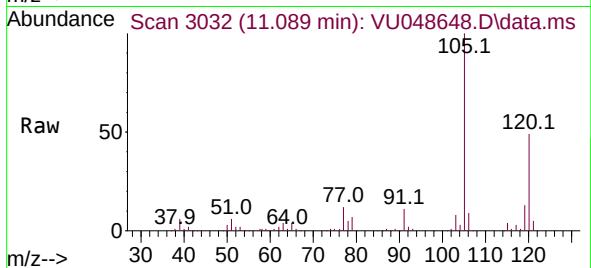
VSTD050137

Tgt Ion:105 Resp: 236092

Ion Ratio Lower Upper

105 100

120 48.9 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 51.204 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU048648.D

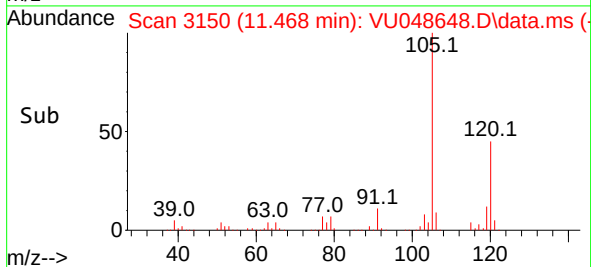
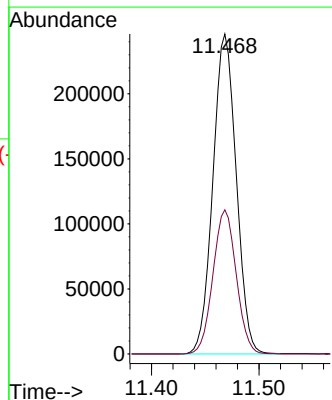
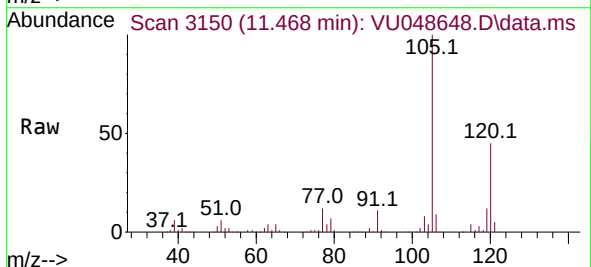
Acq: 20 May 2022 17:13

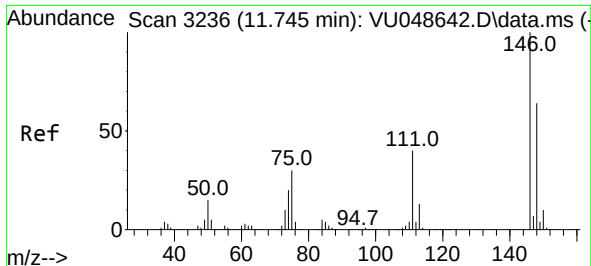
Tgt Ion:105 Resp: 371101

Ion Ratio Lower Upper

105 100

120 44.9 35.4 53.2

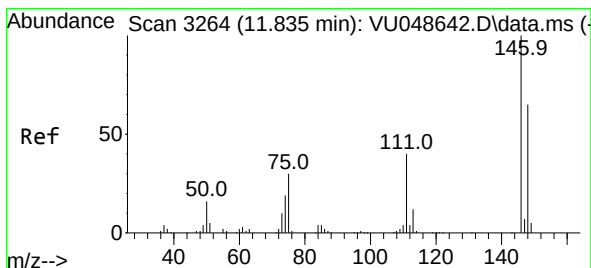
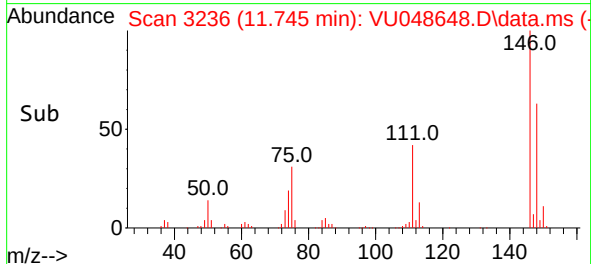
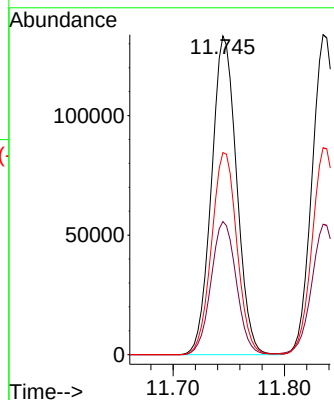
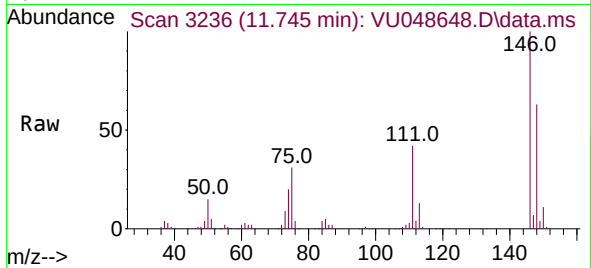




#64
1,3-Dichlorobenzene
Concen: 49.499 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

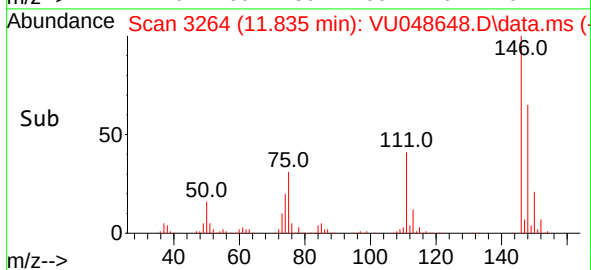
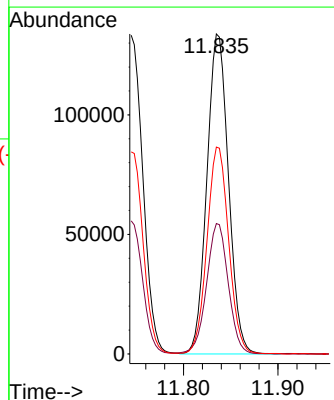
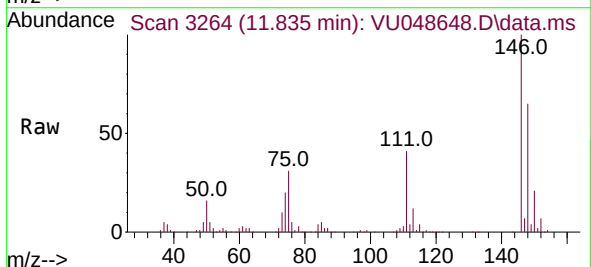
Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

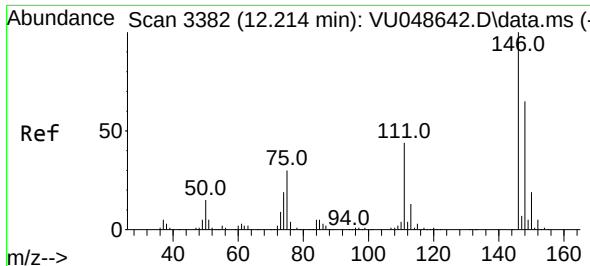
Tgt Ion:146 Resp: 209269
Ion Ratio Lower Upper
146 100
111 41.8 28.7 53.3
148 63.4 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 48.379 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

Tgt Ion:146 Resp: 212244
Ion Ratio Lower Upper
146 100
111 40.7 27.6 51.2
148 64.7 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 48.839 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.003 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050137

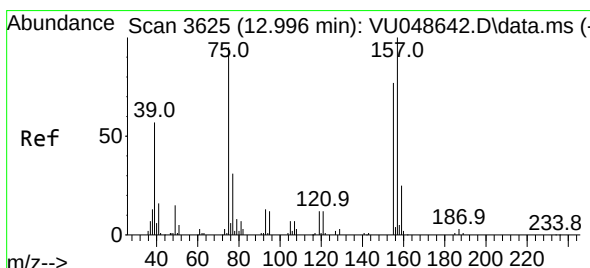
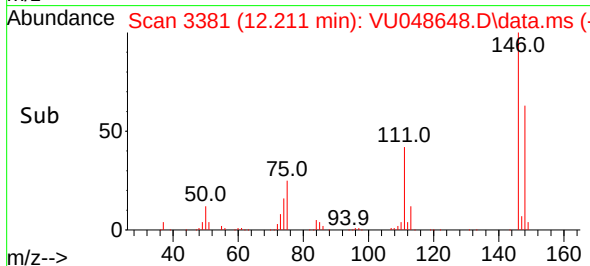
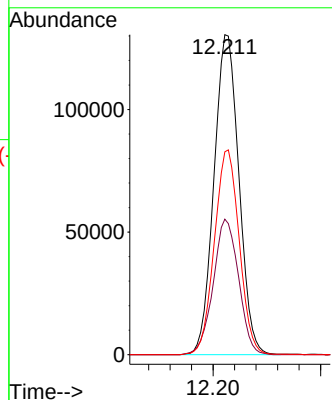
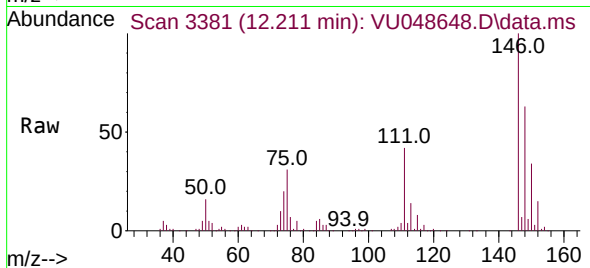
Tgt Ion:146 Resp: 210013

Ion Ratio Lower Upper

146 100

111 42.4 34.1 51.1

148 63.4 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 46.276 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

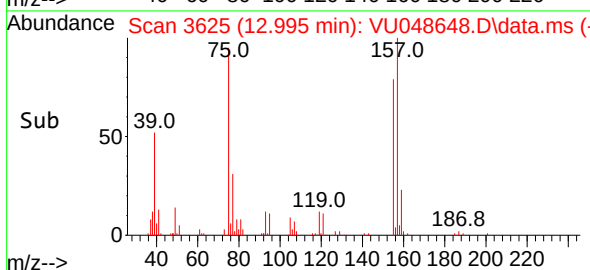
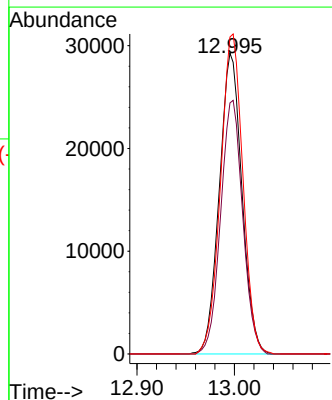
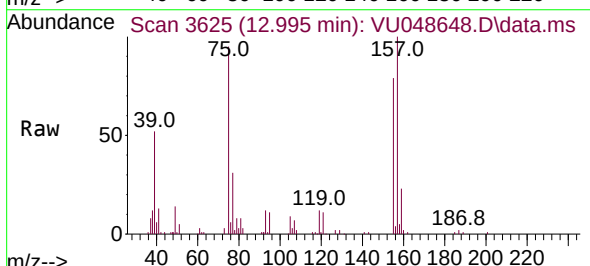
Tgt Ion: 75 Resp: 47235

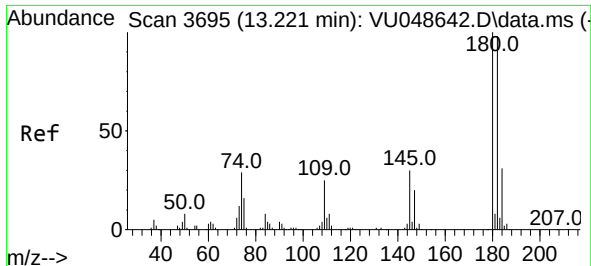
Ion Ratio Lower Upper

75 100

155 83.4 63.5 95.3

157 105.4 83.5 125.3





#69

1,3,5-Trichlorobenzene

Concen: 48.929 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. -0.003 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050137

Tgt Ion:180 Resp: 164875

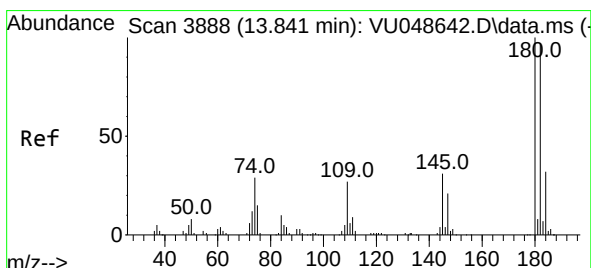
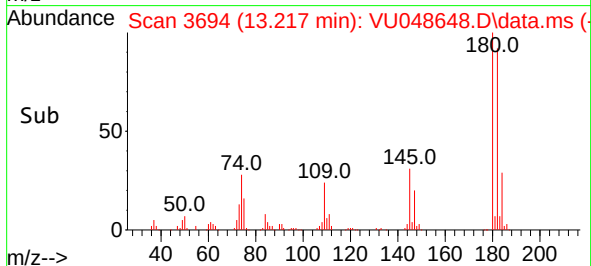
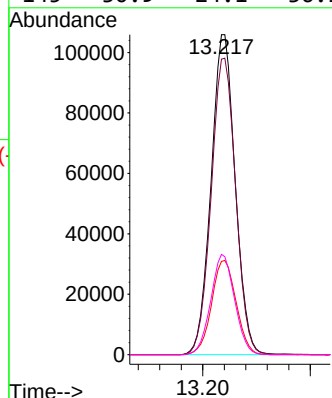
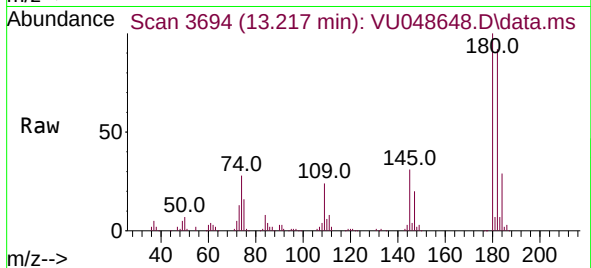
Ion Ratio Lower Upper

180 100

182 94.0 75.8 113.6

184 30.0 23.4 35.2

145 30.9 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 46.937 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. -0.000 min

Lab File: VU048648.D

Acq: 20 May 2022 17:13

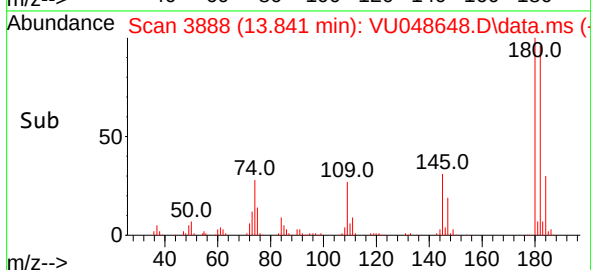
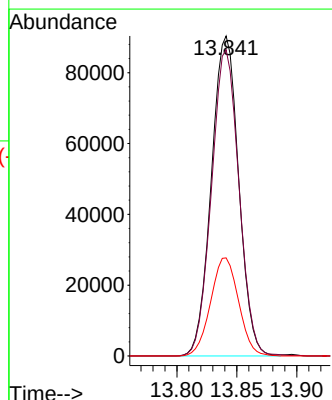
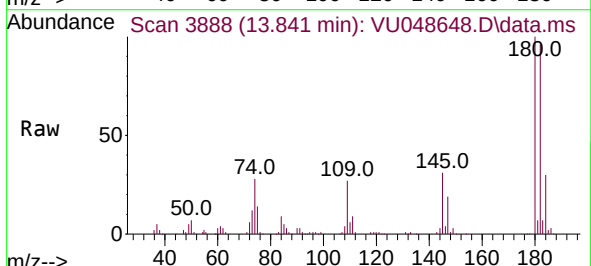
Tgt Ion:180 Resp: 143052

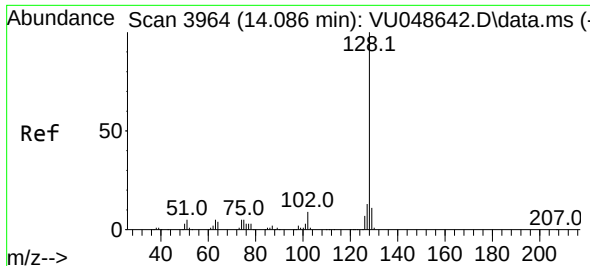
Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.8

145 31.4 24.9 37.3

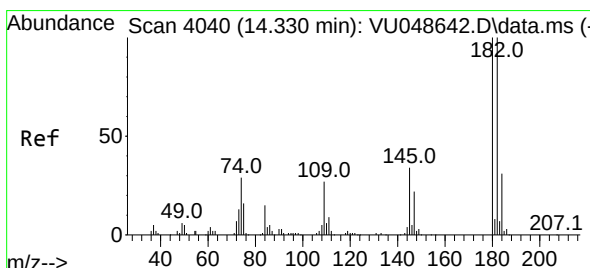
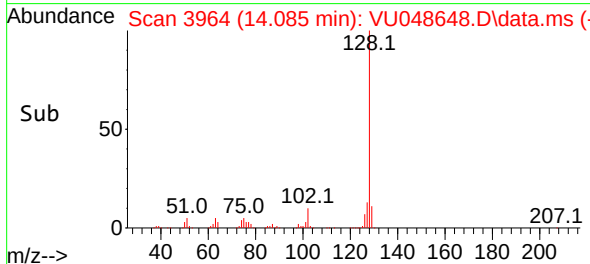
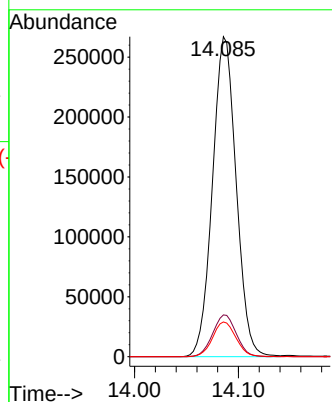
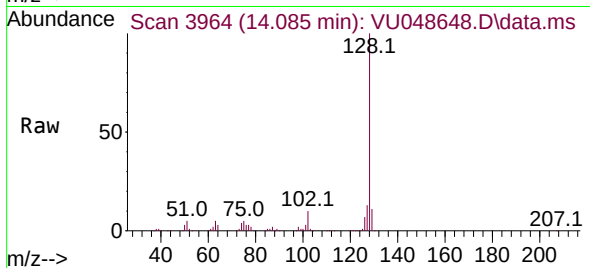




#71
Naphthalene
Concen: 42.101 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD050137

Tgt Ion:128 Resp: 423085
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 10.7 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 47.961 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU048648.D
Acq: 20 May 2022 17:13

Tgt Ion:180 Resp: 146757
Ion Ratio Lower Upper
180 100
182 94.5 75.6 113.4
145 32.8 27.1 40.7

