

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110722\
 Data File : VU051772.D
 Acq On : 07 Nov 2022 16:47
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050119

Quant Time: Nov 08 00:39:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 08 00:38:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	513206	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	494328	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	271184	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	197651	48.537	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.080%
7) Chloroethane-d5	1.909	69	172745	51.492	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.980%
11) 1,1-Dichloroethene-d2	2.565	63	334400	48.240	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.480%
21) 2-Butanone-d5	4.620	46	281655	98.119	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.120%
24) Chloroform-d	5.063	84	363423	48.589	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.180%
26) 1,2-Dichloroethane-d4	5.700	65	216329	46.523	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.040%
32) Benzene-d6	5.726	84	752247	56.194	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.380%
36) 1,2-Dichloropropane-d6	6.687	67	237563	54.040	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.080%
41) Toluene-d8	7.896	98	687925	56.379	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.760%
43) trans-1,3-Dichloroprop...	8.176	79	98512	52.628	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.260%
47) 2-Hexanone-d5	8.629	63	215764	111.746	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.750%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	362876	47.517	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.040%
66) 1,2-Dichlorobenzene-d4	12.192	152	254892	50.210	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	169763	37.850	ug/L	100
3) Chloromethane	1.523	50	196665	34.306	ug/L	98
5) Vinyl chloride	1.600	62	230301	40.591	ug/L	95
6) Bromomethane	1.851	94	47115	15.977	ug/L	100
8) Chloroethane	1.932	64	150273	44.319	ug/L	97
9) Trichlorofluoromethane	2.137	101	272765	41.554	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	169137	42.157	ug/L	99
12) 1,1-Dichloroethene	2.578	96	165937	43.629	ug/L	96
13) Acetone	2.623	43	220058	67.277	ug/L	97
14) Carbon disulfide	2.790	76	485637	39.203	ug/L	99
15) Methyl Acetate	2.944	43	224096	45.302	ug/L	99
16) Methylene chloride	3.044	84	242591	48.592	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	176978	45.245	ug/L	97
18) Methyl tert-butyl Ether	3.362	73	555293	49.644	ug/L	98
19) 1,1-Dichloroethane	3.867	63	348480	45.168	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	208538	48.867	ug/L	94
22) 2-Butanone	4.700	43	327030	86.148	ug/L	99
23) Bromochloromethane	4.973	128	113010	47.200	ug/L	95
25) Chloroform	5.086	83	366745	46.108	ug/L	99

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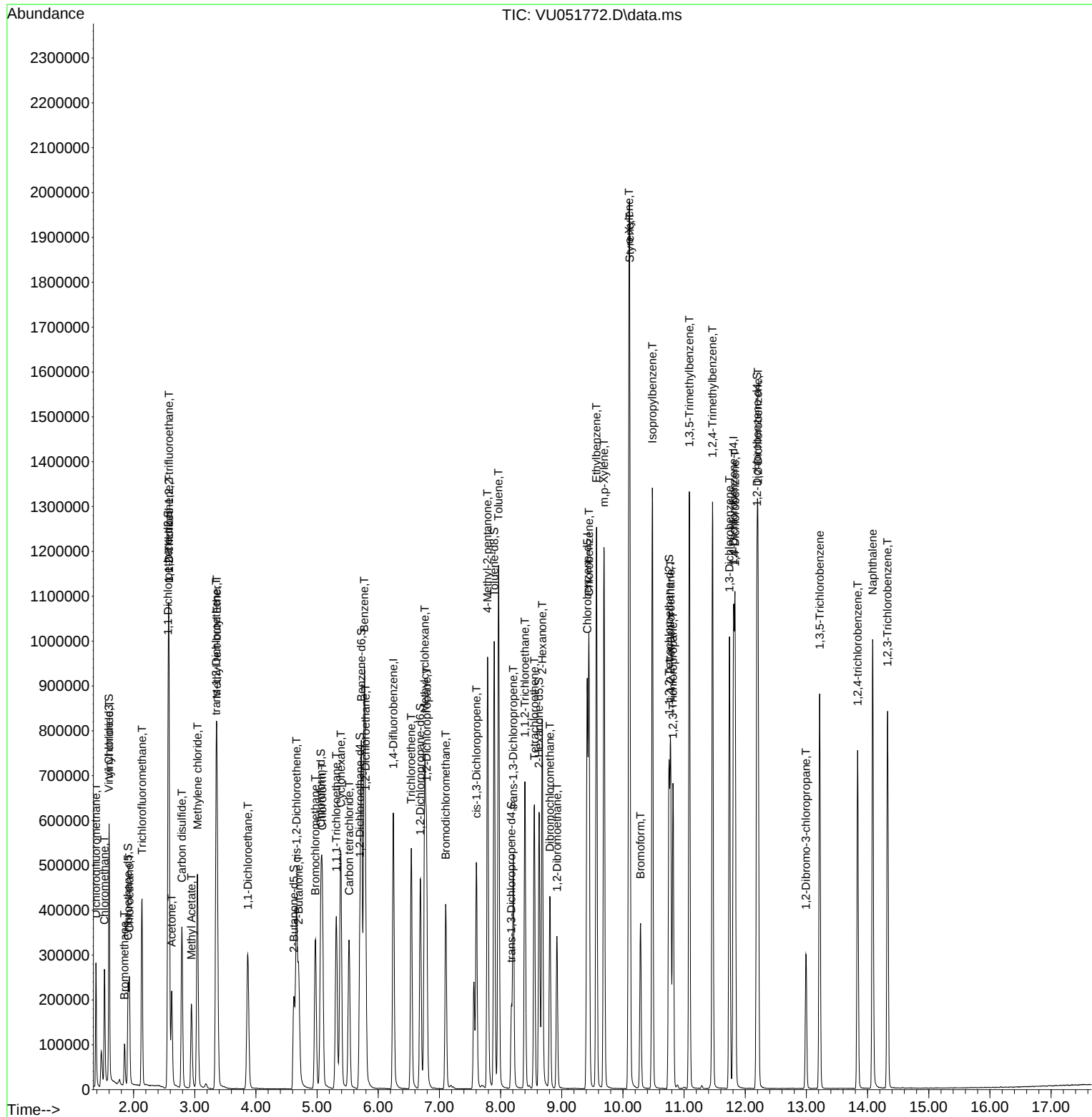
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	278800	45.141	ug/L	100
29) Cyclohexane	5.388	56	259895	50.042	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	280744	47.883	ug/L	100
31) Carbon tetrachloride	5.523	117	231821	46.828	ug/L	99
33) Benzene	5.771	78	823067	50.933	ug/L	100
34) Trichloroethene	6.539	95	191361	49.073	ug/L	95
35) Methylcyclohexane	6.761	83	282966	50.725	ug/L	98
37) 1,2-Dichloropropane	6.790	63	223639	50.464	ug/L	100
38) Bromodichloromethane	7.102	83	273692	48.514	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	311753	53.357	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	602714	101.786	ug/L	99
42) Toluene	7.967	91	875846	52.815	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	297582	52.336	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	219779	49.690	ug/L	99
46) Tetrachloroethene	8.552	164	147333	50.617	ug/L	98
48) 2-Hexanone	8.681	43	484618	95.776	ug/L	98
49) Dibromochloromethane	8.806	129	225901	49.900	ug/L	97
50) 1,2-Dibromoethane	8.922	107	228122	50.331	ug/L	99
51) Chlorobenzene	9.446	112	544056	50.099	ug/L	99
52) Ethylbenzene	9.568	91	875980	52.382	ug/L	98
53) m,p-Xylene	9.693	106	349397	54.205	ug/L	98
54) o-Xylene	10.099	106	340451	53.247	ug/L	96
55) Styrene	10.111	104	609137	54.824	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	388408	46.021	ug/L	100
59) Bromoform	10.288	173	168772	44.685	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	295279	42.016	ug/L	99
61) Isopropylbenzene	10.481	105	852119	50.036	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	712978	49.284	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	715408	50.222	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	417867	48.069	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	426907	47.753	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	426506	47.100	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	79185	41.747	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	280757	48.145	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	232772	51.846	ug/L	98
71) Naphthalene	14.082	128	813282	56.596	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	265191	55.025	ug/L	99

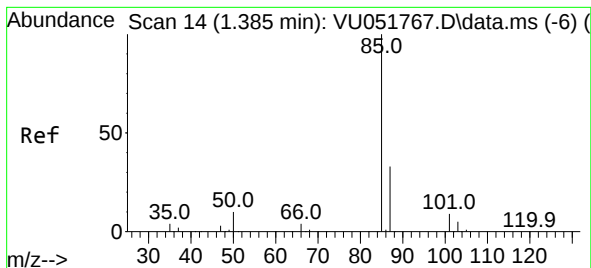
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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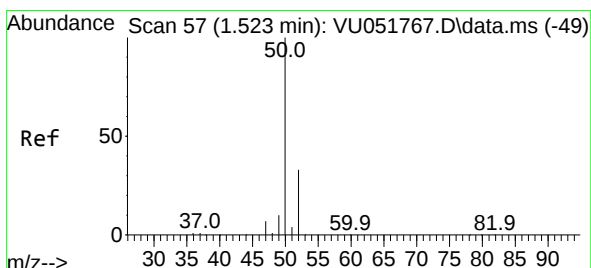
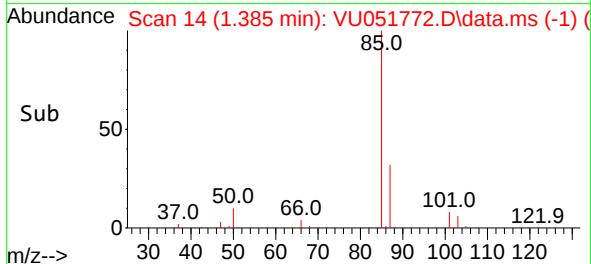
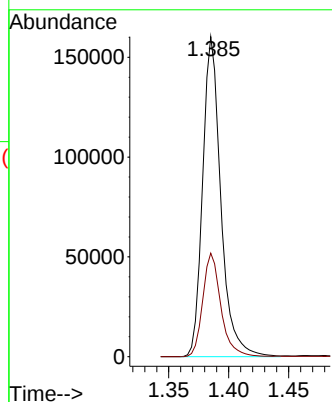
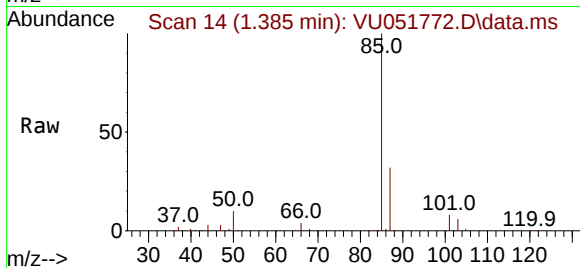




#2
Dichlorodifluoromethane
Concen: 37.850 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

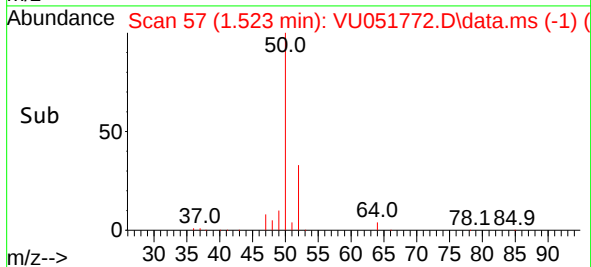
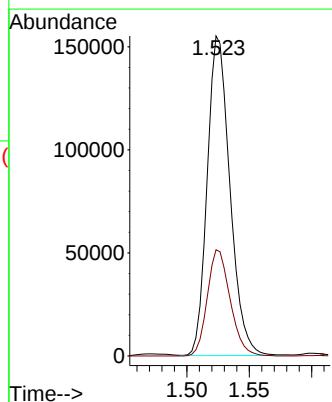
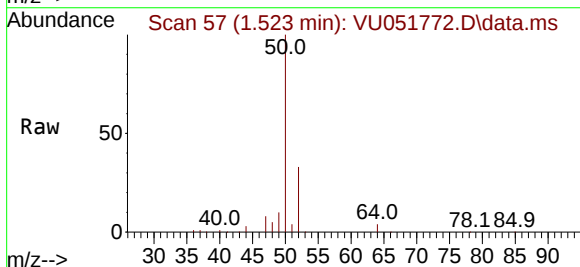
Instrument :
MSVOA_U
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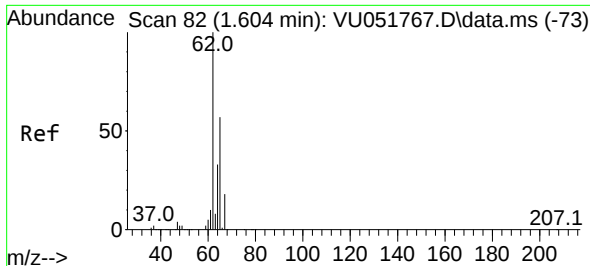
Tgt Ion: 85 Resp: 169763
Ion Ratio Lower Upper
85 100
87 32.2 25.7 38.5



#3
Chloromethane
Concen: 34.306 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

Tgt Ion: 50 Resp: 196665
Ion Ratio Lower Upper
50 100
52 33.2 24.1 44.8

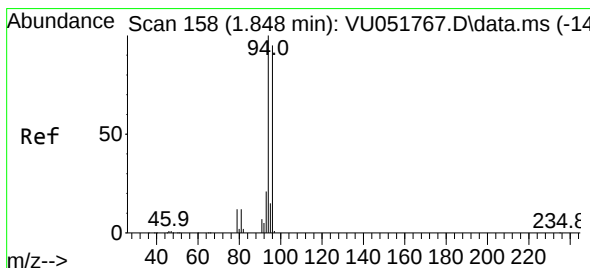
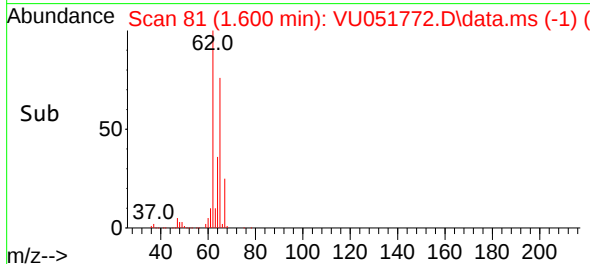
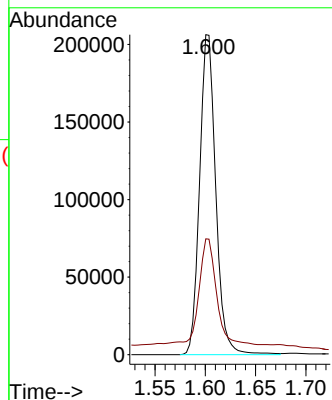
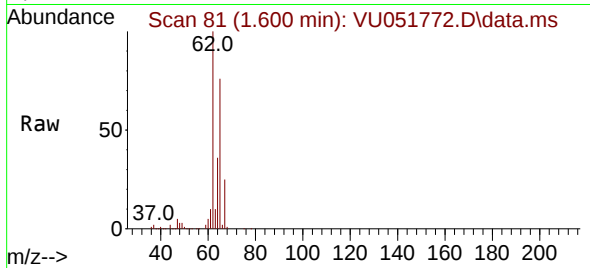




#5
 Vinyl chloride
 Concen: 40.591 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU051772.D
 Acq: 07 Nov 2022 16:47

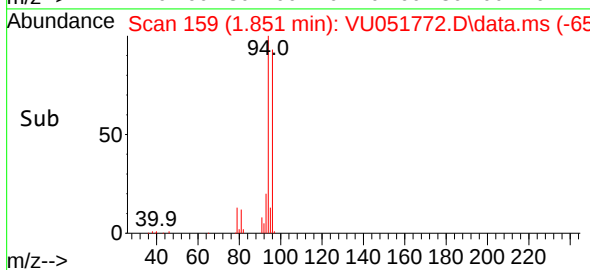
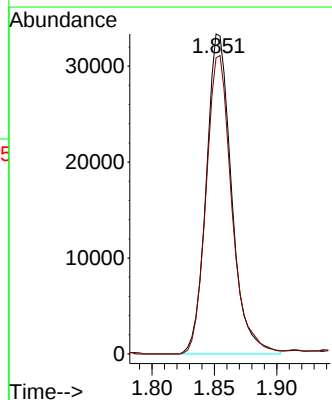
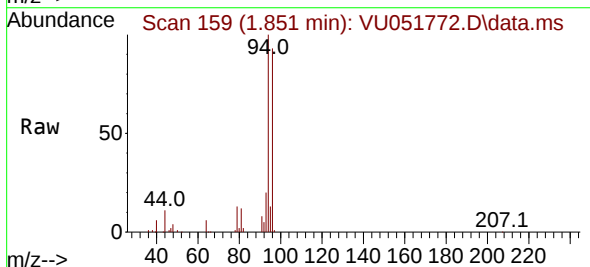
Instrument :
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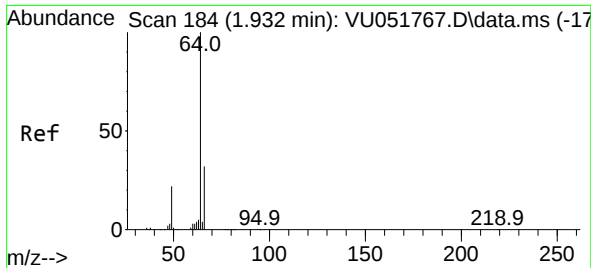
Tgt Ion: 62 Resp: 230301
 Ion Ratio Lower Upper
 62 100
 64 36.2 23.2 43.2



#6
 Bromomethane
 Concen: 15.977 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. 0.003 min
 Lab File: VU051772.D
 Acq: 07 Nov 2022 16:47

Tgt Ion: 94 Resp: 47115
 Ion Ratio Lower Upper
 94 100
 96 92.6 64.5 119.9

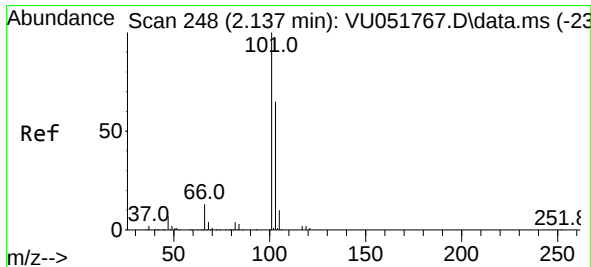
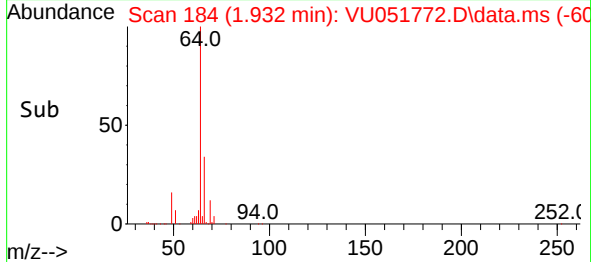
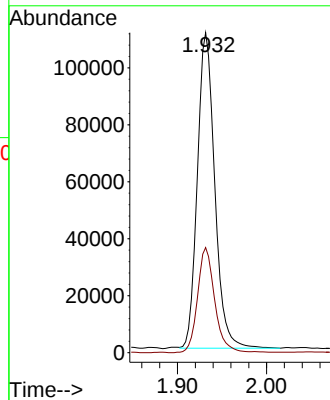
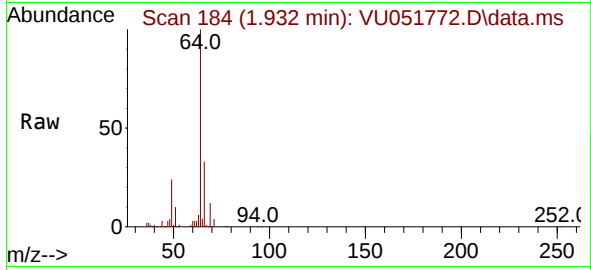




#8
Chloroethane
Concen: 44.319 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

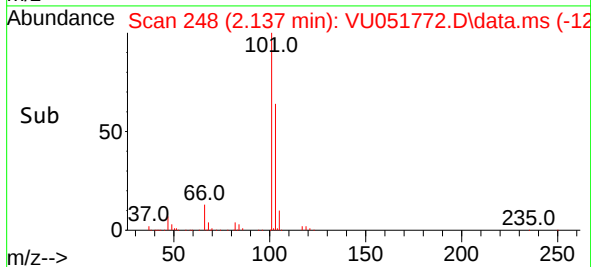
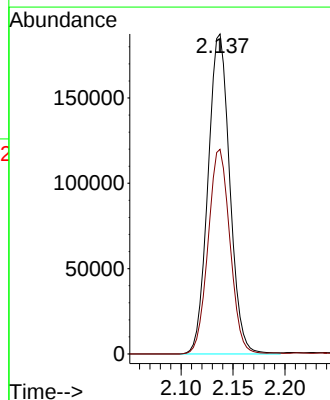
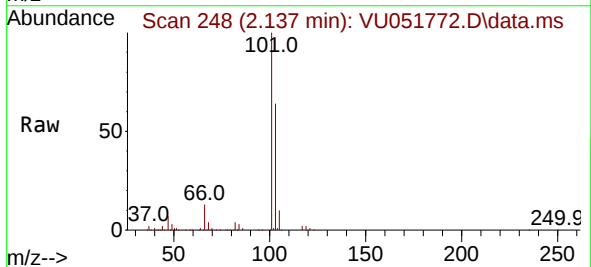
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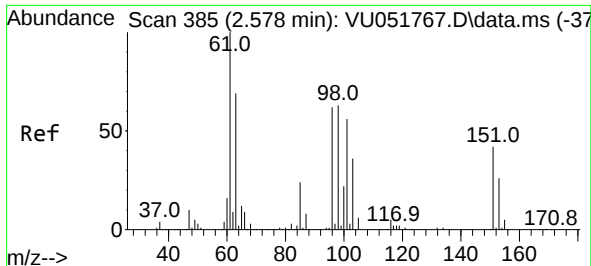
Tgt Ion: 64 Resp: 150273
Ion Ratio Lower Upper
64 100
66 32.8 21.9 40.7



#9
Trichlorofluoromethane
Concen: 41.554 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

Tgt Ion: 101 Resp: 272765
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.4

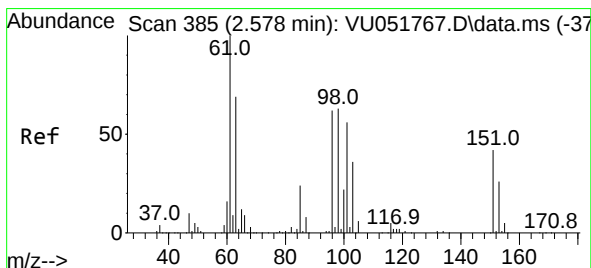
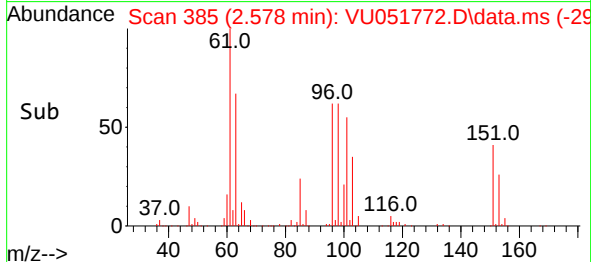
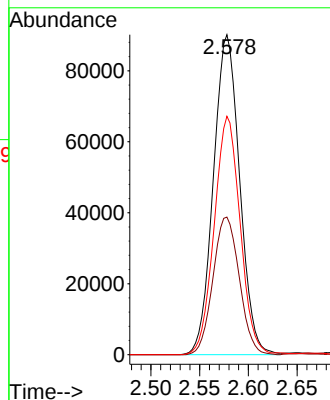
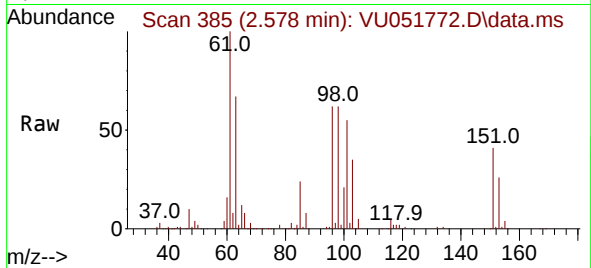




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 42.157 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051772.D
 Acq: 07 Nov 2022 16:47

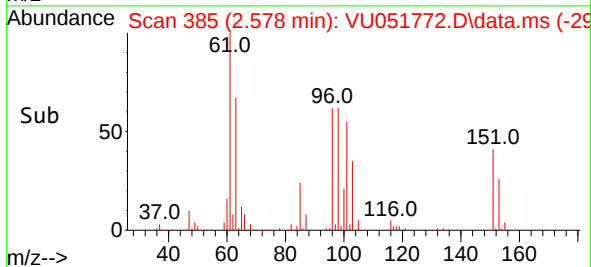
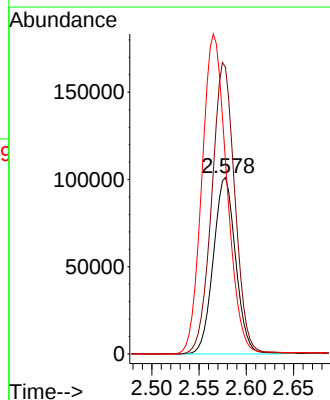
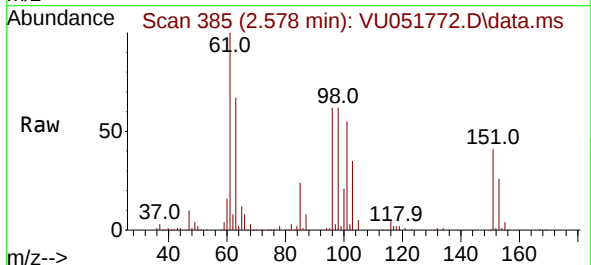
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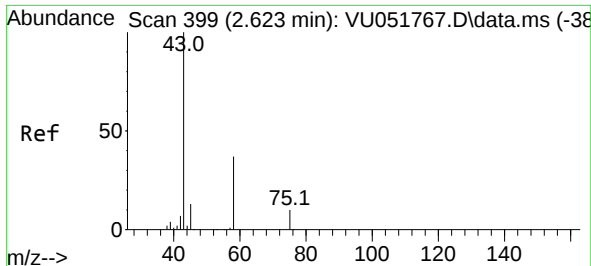
Tgt Ion:101 Resp: 169137
 Ion Ratio Lower Upper
 101 100
 85 43.1 35.2 52.8
 151 73.4 57.8 86.8



#12
 1,1-Dichloroethene
 Concen: 43.629 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051772.D
 Acq: 07 Nov 2022 16:47

Tgt Ion: 96 Resp: 165937
 Ion Ratio Lower Upper
 96 100
 61 162.5 119.0 221.0
 63 109.1 78.5 145.7





#13

Acetone

Concen: 67.277 ug/L

RT: 2.623 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU051772.D

Acq: 07 Nov 2022 16:47

Instrument :

MSVOA_U

ClientSampleId :

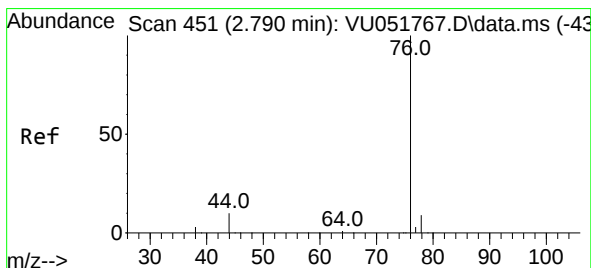
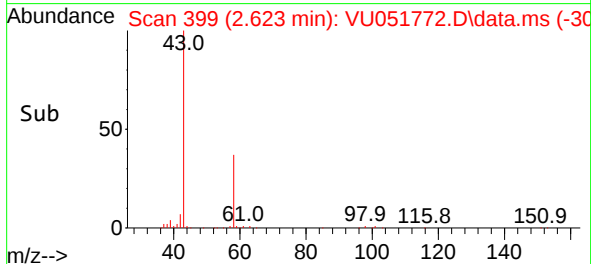
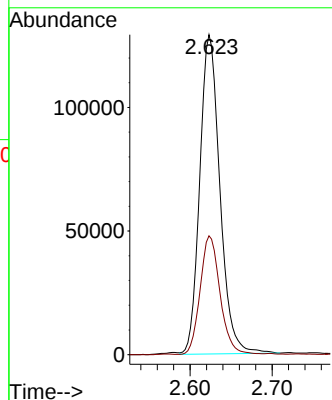
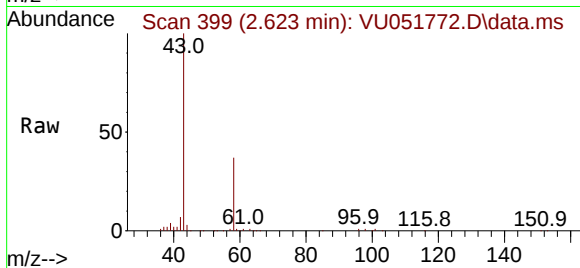
VSTD050119

Tgt Ion: 43 Resp: 220058

Ion Ratio Lower Upper

43 100

58 36.9 0.0 70.2



#14

Carbon disulfide

Concen: 39.203 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051772.D

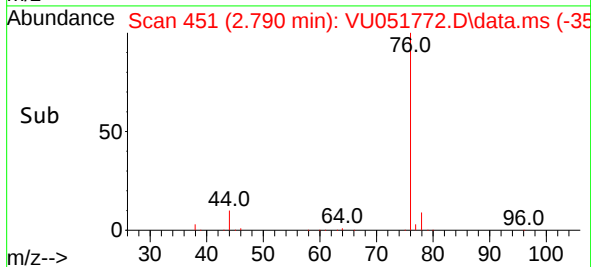
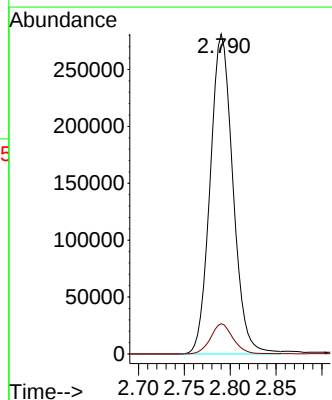
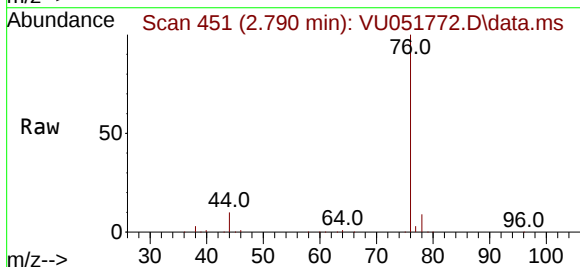
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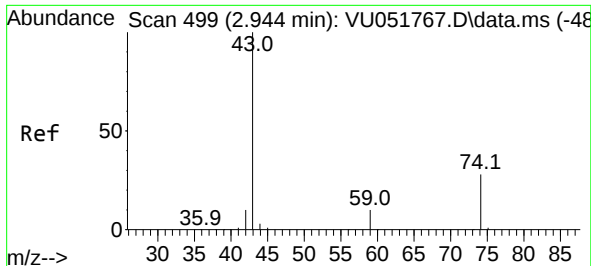
Tgt Ion: 76 Resp: 485637

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9

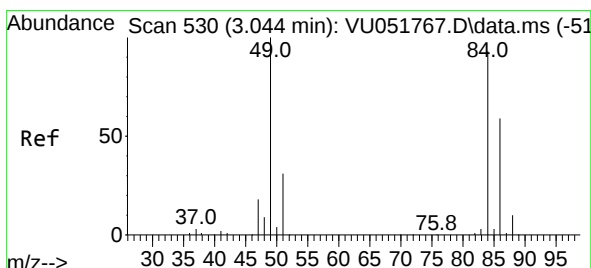
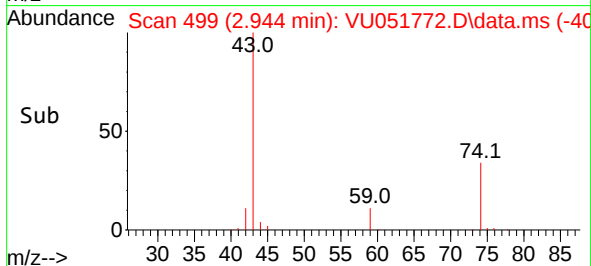
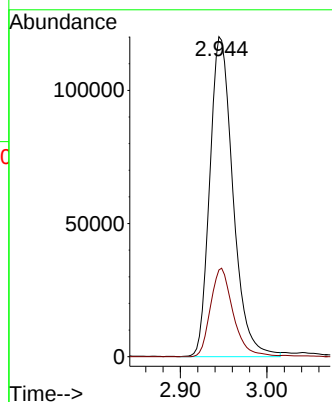
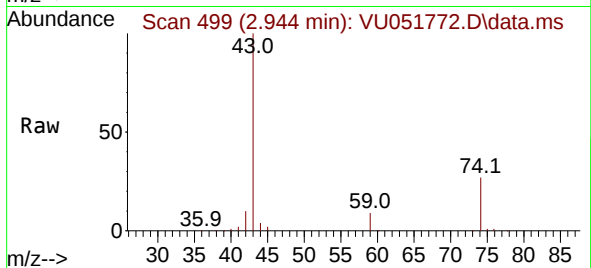




#15
Methyl Acetate
Concen: 45.302 ug/L
RT: 2.944 min Scan# 499
Delta R.T. 0.000 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

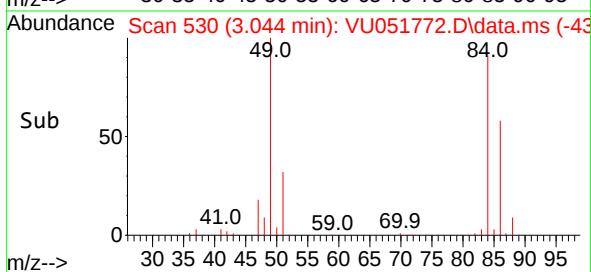
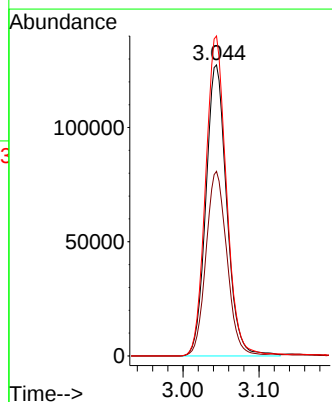
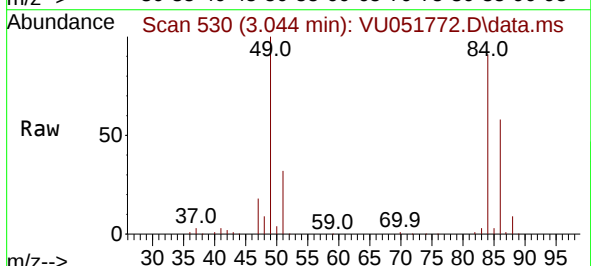
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

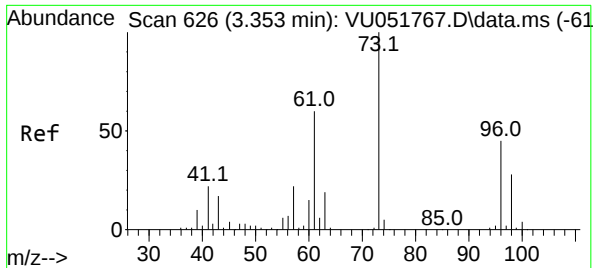
Tgt Ion: 43 Resp: 224096
Ion Ratio Lower Upper
43 100
74 26.9 21.1 31.7



#16
Methylene chloride
Concen: 48.592 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

Tgt Ion: 84 Resp: 242591
Ion Ratio Lower Upper
84 100
86 63.4 45.8 85.2
49 110.0 78.1 145.1

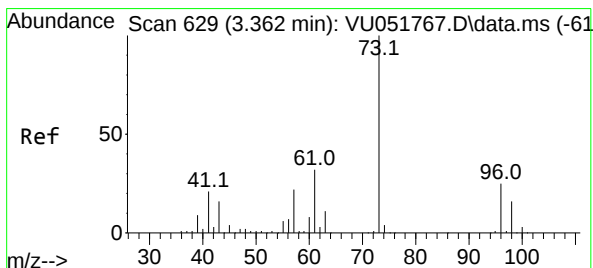
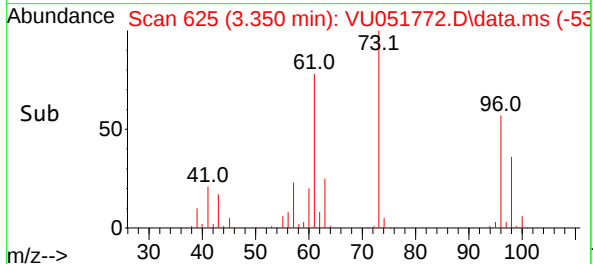
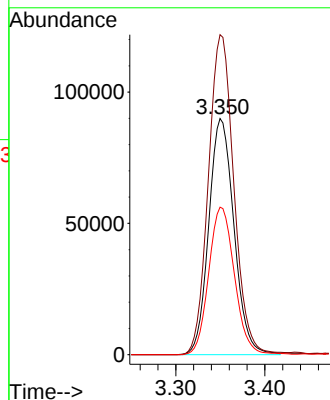
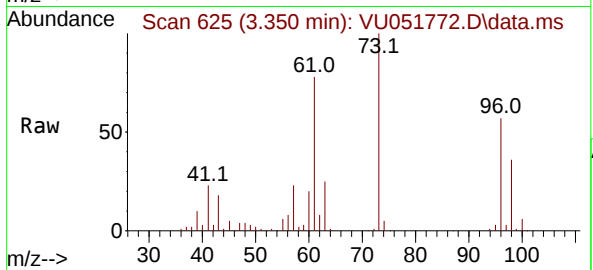




#17
trans-1,2-Dichloroethene
Concen: 45.245 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

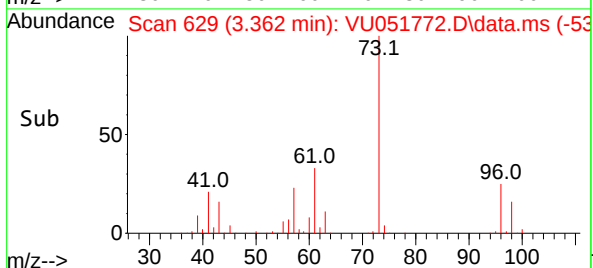
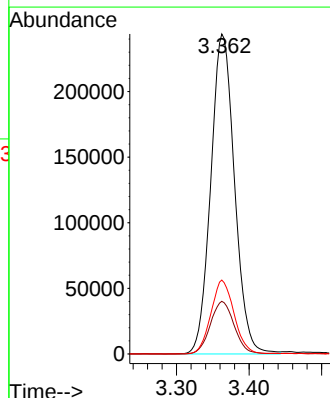
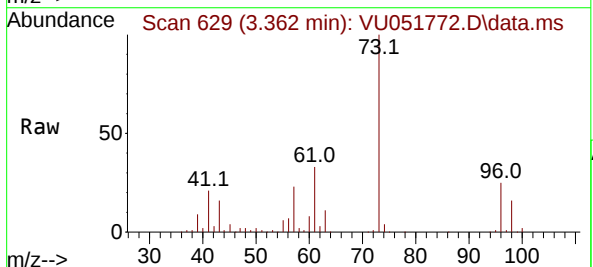
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

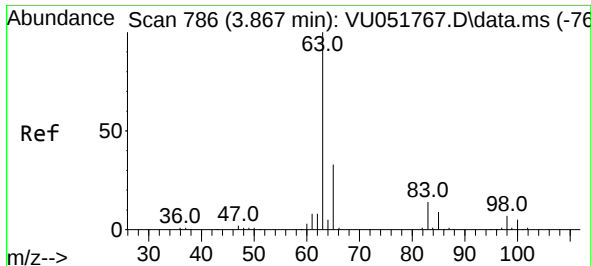
Tgt Ion: 96 Resp: 176978
Ion Ratio Lower Upper
96 100
61 135.5 98.1 182.1
98 62.5 44.8 83.2



#18
Methyl tert-butyl Ether
Concen: 49.644 ug/L
RT: 3.362 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

Tgt Ion: 73 Resp: 555293
Ion Ratio Lower Upper
73 100
43 16.4 13.9 20.9
57 22.5 17.7 26.5





#19

1,1-Dichloroethane

Concen: 45.168 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU051772.D

Acq: 07 Nov 2022 16:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD050119

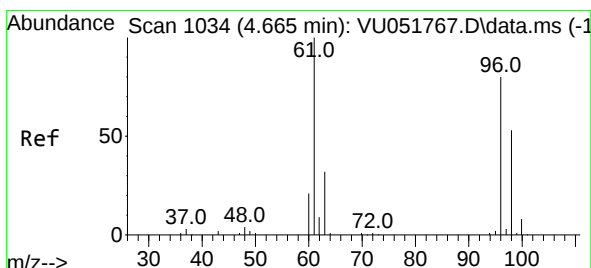
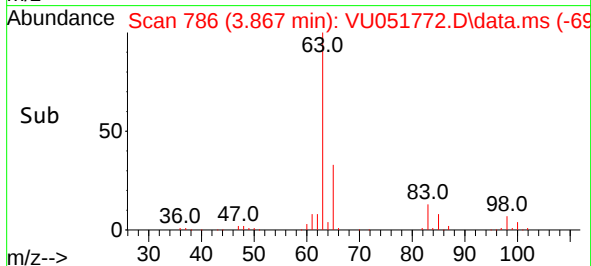
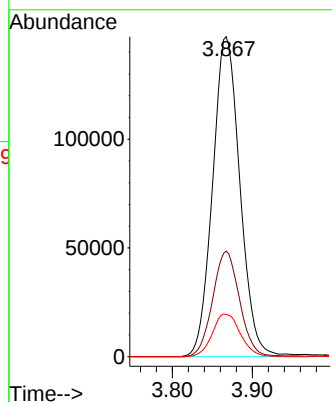
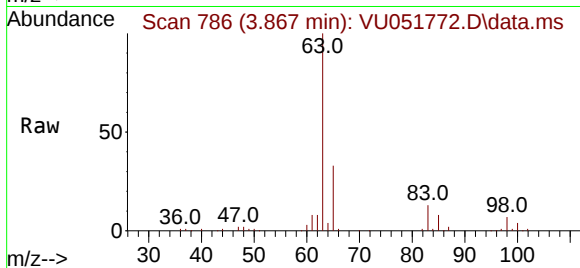
Tgt Ion: 63 Resp: 348480

Ion Ratio Lower Upper

63 100

65 33.0 22.1 41.1

83 13.2 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 48.867 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051772.D

Acq: 07 Nov 2022 16:47

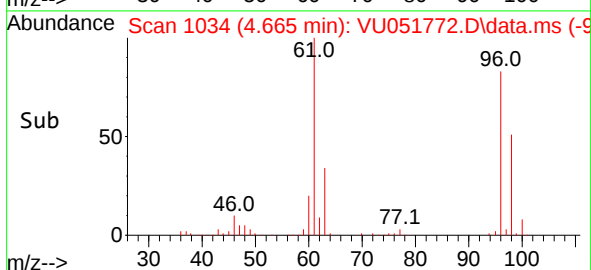
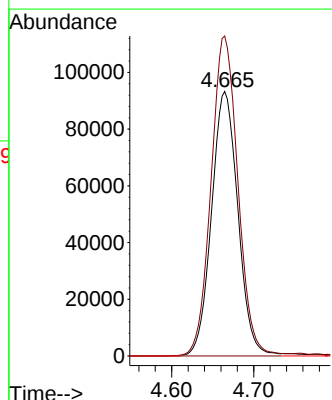
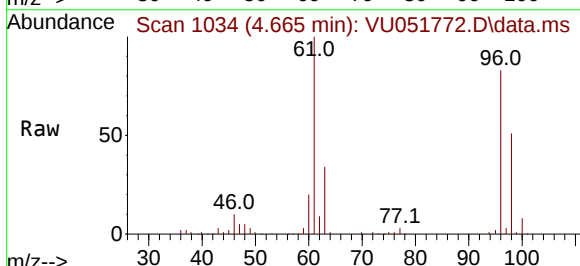
Tgt Ion: 96 Resp: 208538

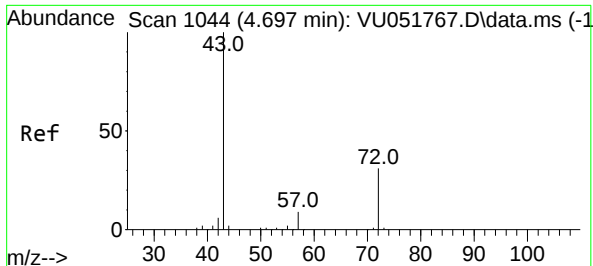
Ion Ratio Lower Upper

96 100

61 121.0 89.7 166.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 86.148 ug/L

RT: 4.700 min Scan# 1044

Delta R.T. 0.003 min

Lab File: VU051772.D

Acq: 07 Nov 2022 16:47

Instrument :

MSVOA_U

ClientSampleId :

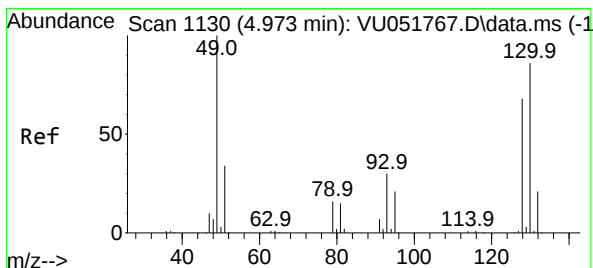
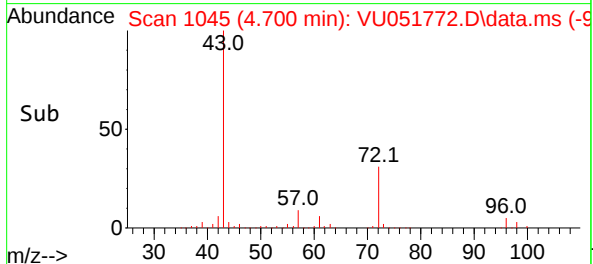
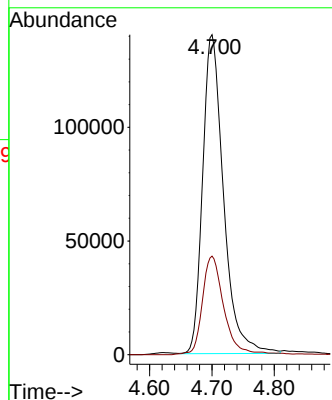
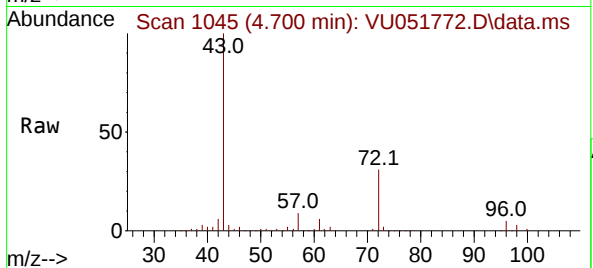
VSTD050119

Tgt Ion: 43 Resp: 327030

Ion Ratio Lower Upper

43 100

72 31.0 15.2 45.6



#23

Bromochloromethane

Concen: 47.200 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU051772.D

Acq: 07 Nov 2022 16:47

Tgt Ion: 128 Resp: 113010

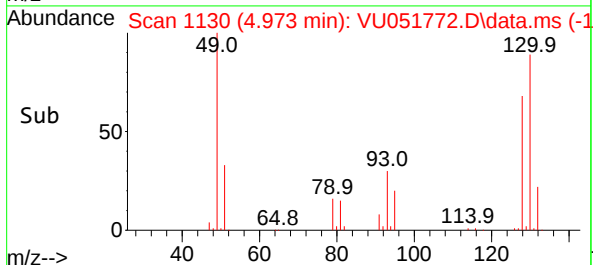
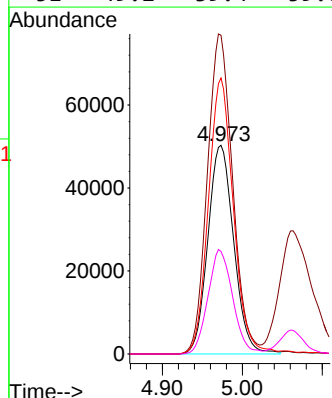
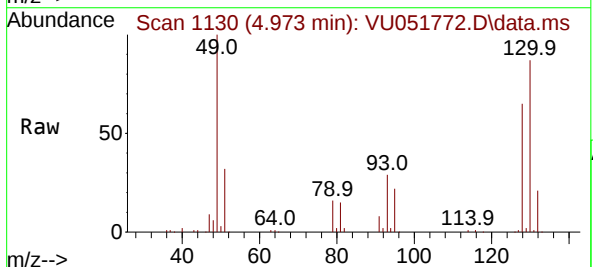
Ion Ratio Lower Upper

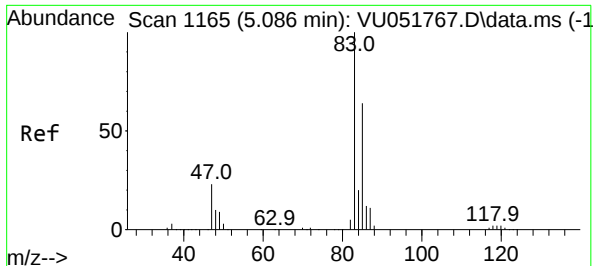
128 100

49 152.8 111.9 207.9

130 132.3 88.2 163.8

51 49.2 39.4 59.0





#25

Chloroform

Concen: 46.108 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051772.D

Acq: 07 Nov 2022 16:47

Instrument :

MSVOA_U

ClientSampleId :

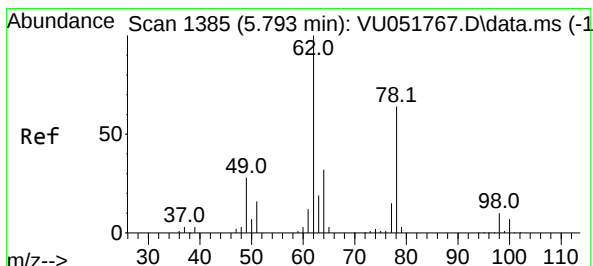
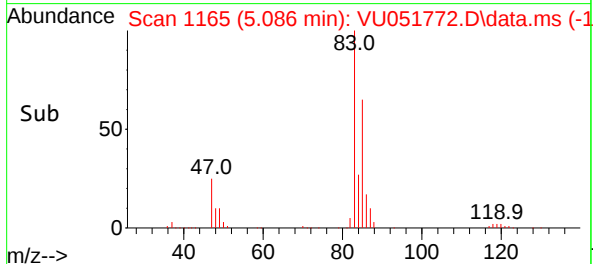
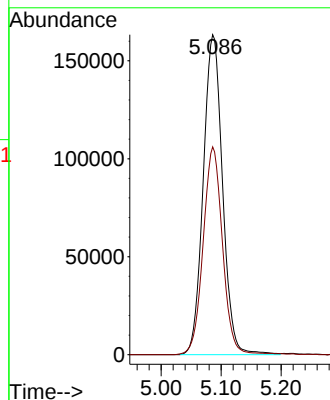
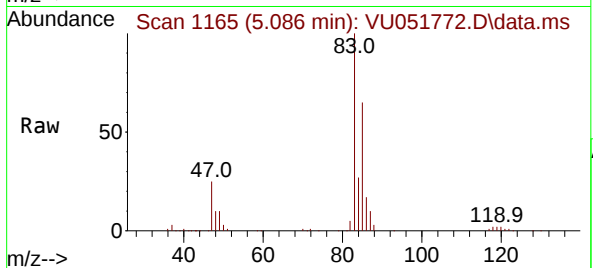
VSTD050119

Tgt Ion: 83 Resp: 366745

Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.9



#27

1,2-Dichloroethane

Concen: 45.141 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU051772.D

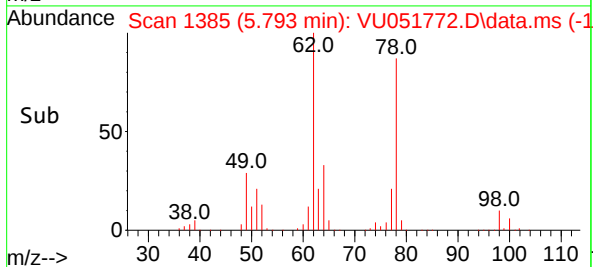
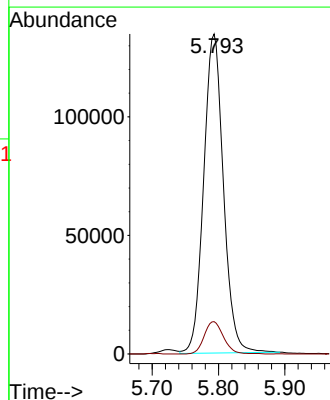
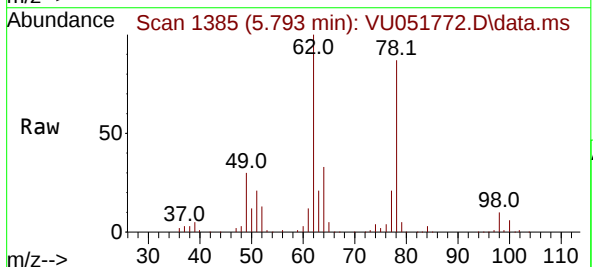
Acq: 07 Nov 2022 16:47

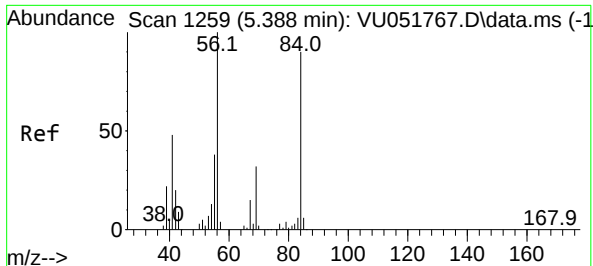
Tgt Ion: 62 Resp: 278800

Ion Ratio Lower Upper

62 100

98 10.1 8.0 12.0





#29

Cyclohexane

Concen: 50.042 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU051772.D

Acq: 07 Nov 2022 16:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD050119

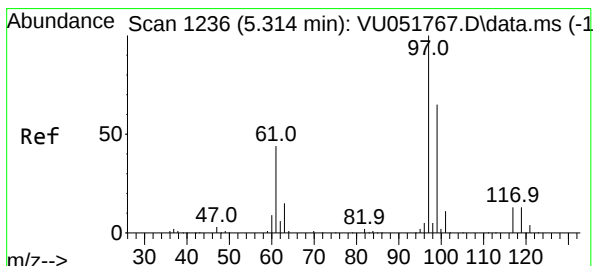
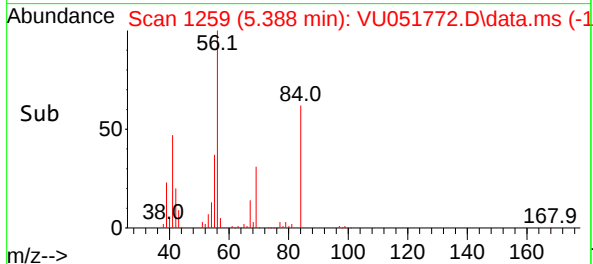
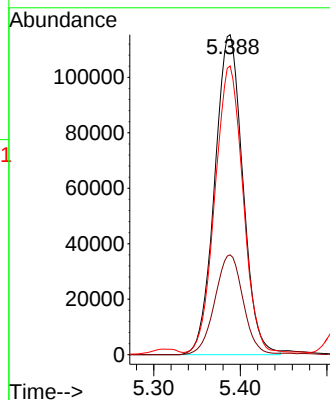
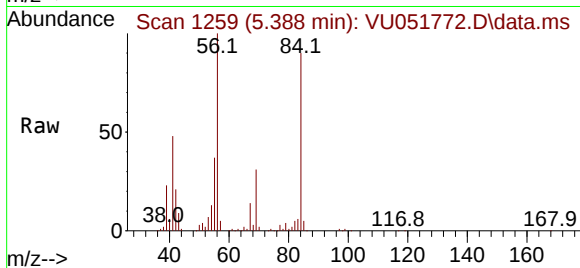
Tgt Ion: 56 Resp: 259895

Ion Ratio Lower Upper

56 100

69 31.3 25.5 38.3

84 89.4 69.8 104.6



#30

1,1,1-Trichloroethane

Concen: 47.883 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU051772.D

Acq: 07 Nov 2022 16:47

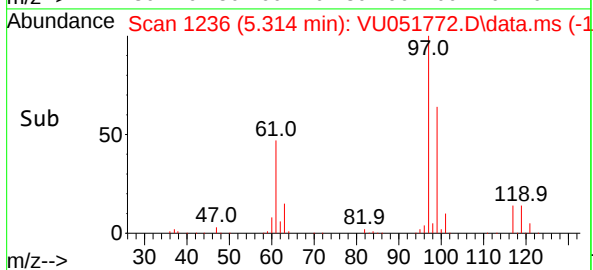
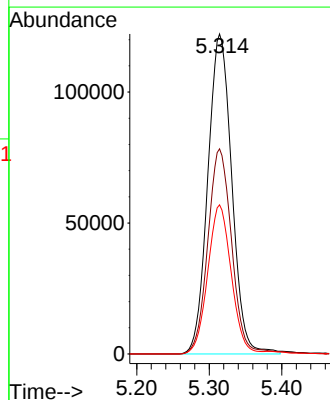
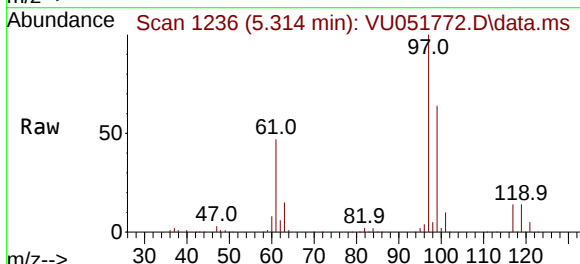
Tgt Ion: 97 Resp: 280744

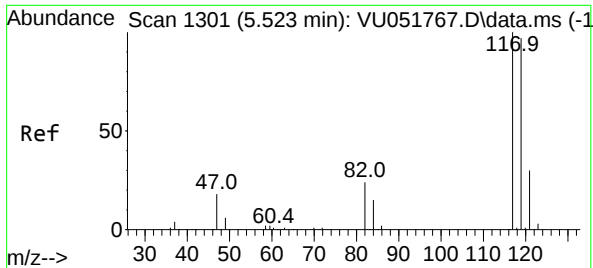
Ion Ratio Lower Upper

97 100

99 63.7 50.7 76.1

61 45.6 36.7 55.1

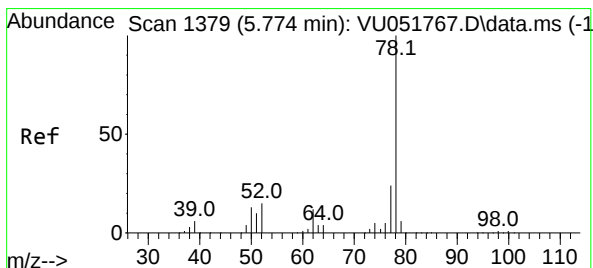
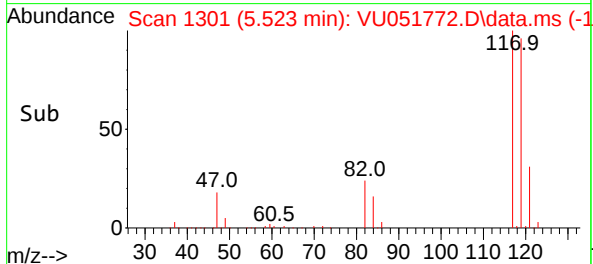
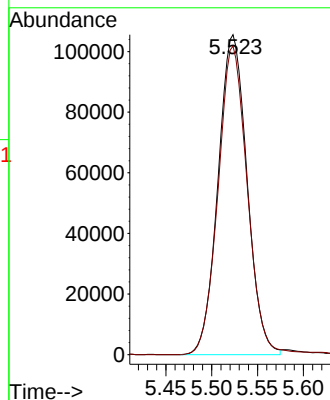
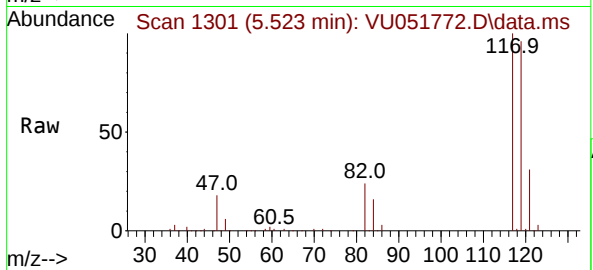




#31
Carbon tetrachloride
Concen: 46.828 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

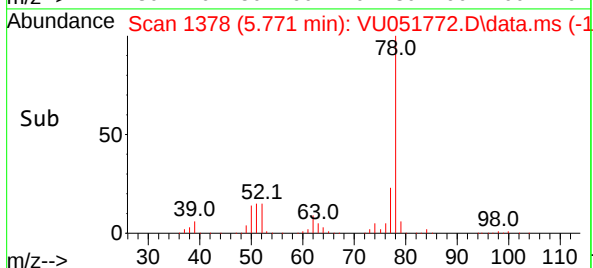
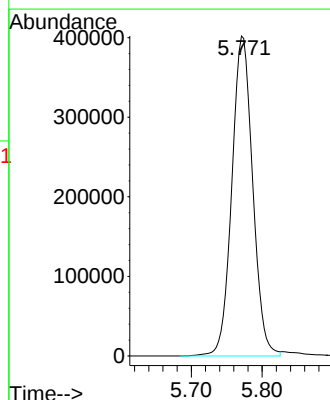
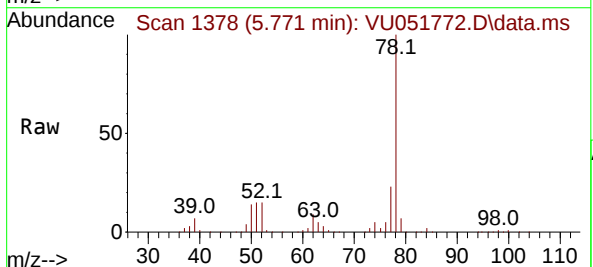
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

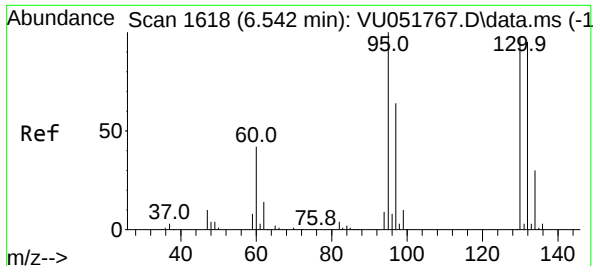
Tgt Ion:117 Resp: 231821
Ion Ratio Lower Upper
117 100
119 97.4 77.0 115.6



#33
Benzene
Concen: 50.933 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

Tgt Ion: 78 Resp: 823067

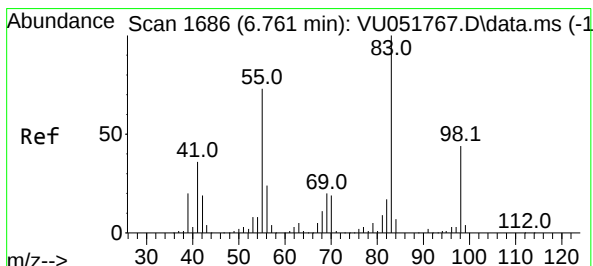
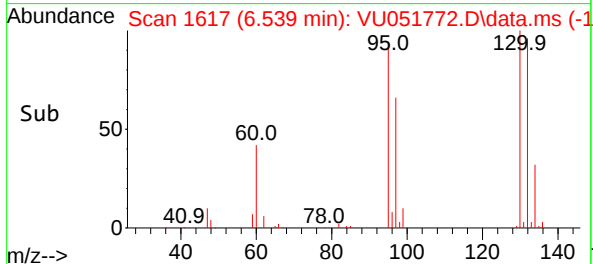
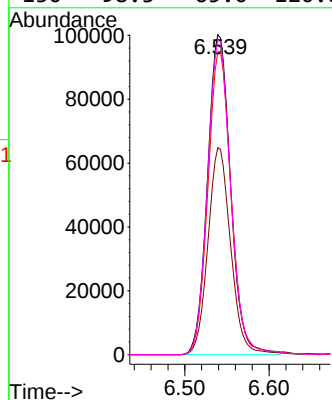
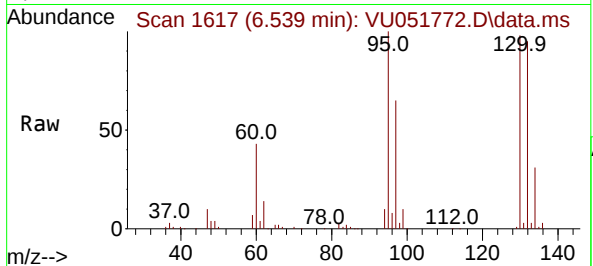




#34
Trichloroethene
Concen: 49.073 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

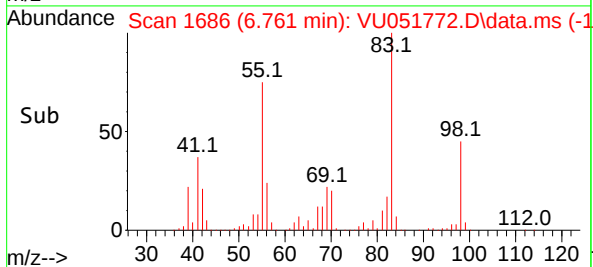
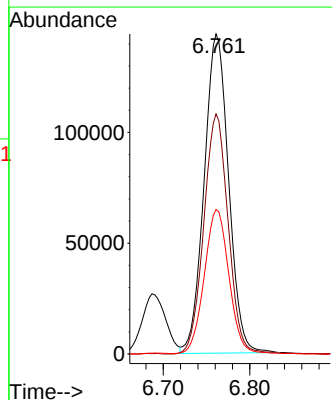
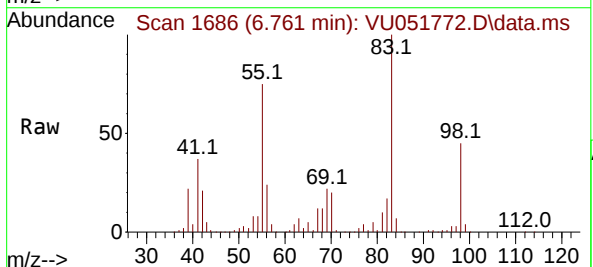
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

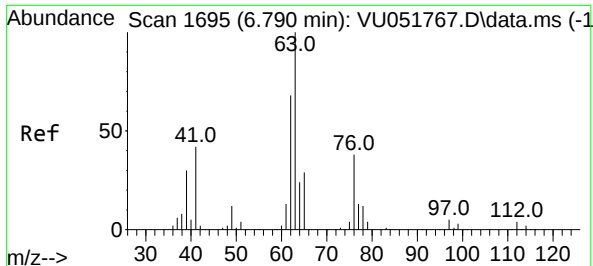
Tgt Ion: 95 Resp: 191361
Ion Ratio Lower Upper
95 100
97 64.7 43.8 81.4
132 94.7 61.9 114.9
130 98.3 65.0 120.8



#35
Methylcyclohexane
Concen: 50.725 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

Tgt Ion: 83 Resp: 282966
Ion Ratio Lower Upper
83 100
55 75.1 62.6 93.8
98 45.7 36.2 54.4





#37

1,2-Dichloropropane

Concen: 50.464 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051772.D

Acq: 07 Nov 2022 16:47

Instrument :

MSVOA_U

ClientSampleId :

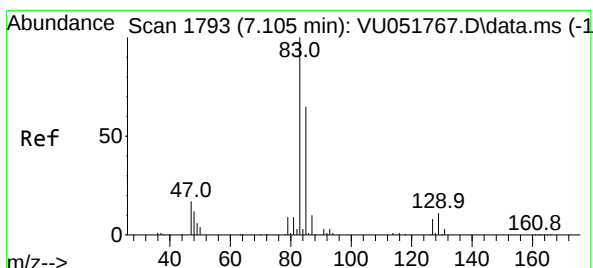
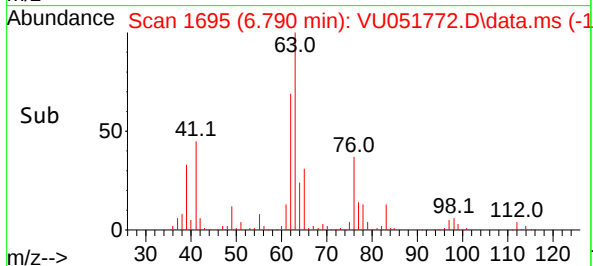
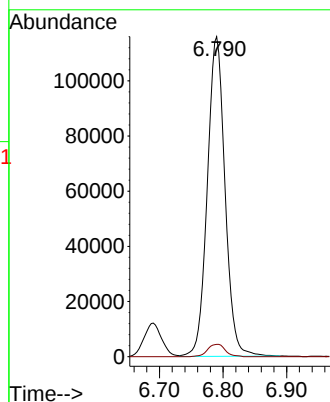
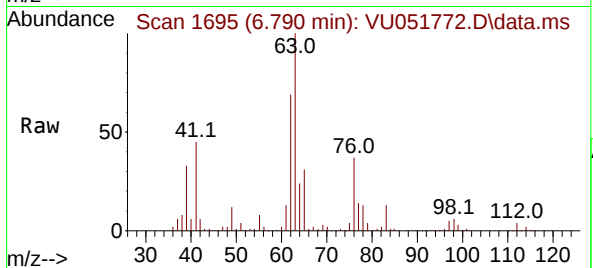
VSTD050119

Tgt Ion: 63 Resp: 223639

Ion Ratio Lower Upper

63 100

112 3.9 3.2 4.8



#38

Bromodichloromethane

Concen: 48.514 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.003 min

Lab File: VU051772.D

Acq: 07 Nov 2022 16:47

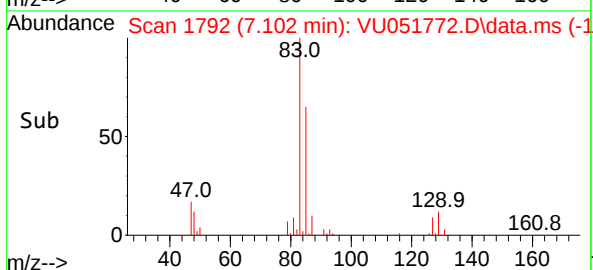
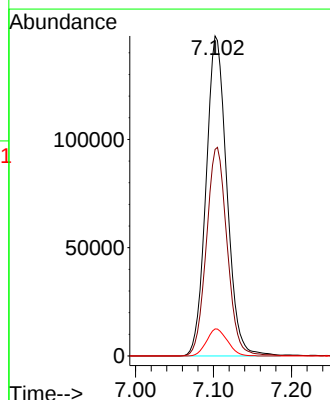
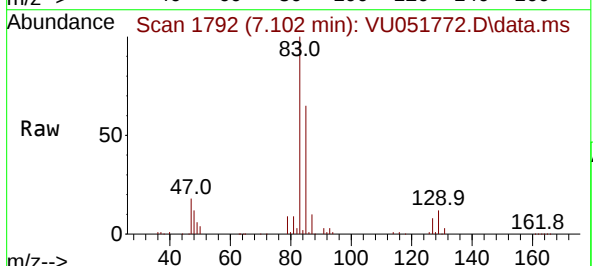
Tgt Ion: 83 Resp: 273692

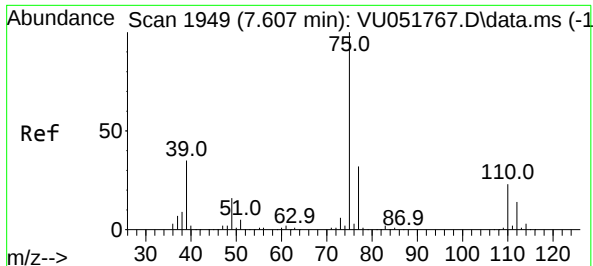
Ion Ratio Lower Upper

83 100

85 64.6 44.9 83.5

127 8.4 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 53.357 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU051772.D

Acq: 07 Nov 2022 16:47

Instrument :

MSVOA_U

ClientSampleId :

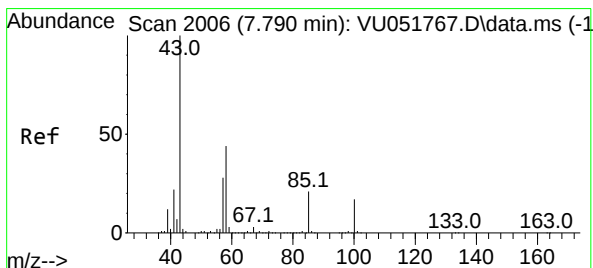
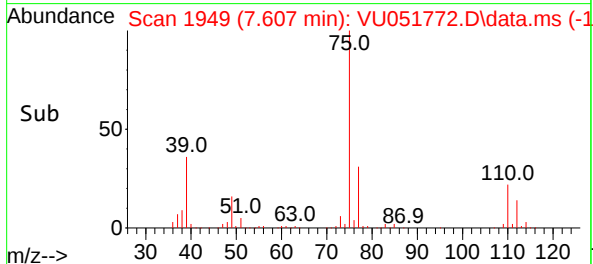
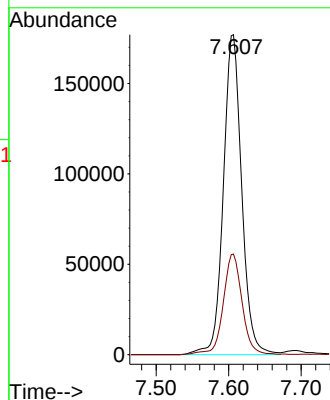
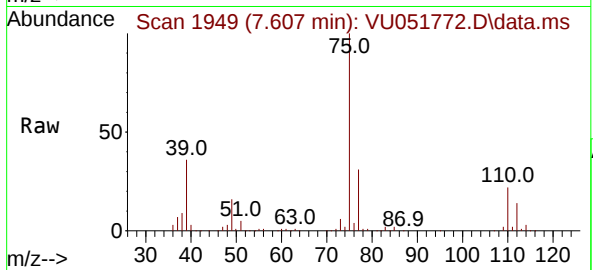
VSTD050119

Tgt Ion: 75 Resp: 311753

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 101.786 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU051772.D

Acq: 07 Nov 2022 16:47

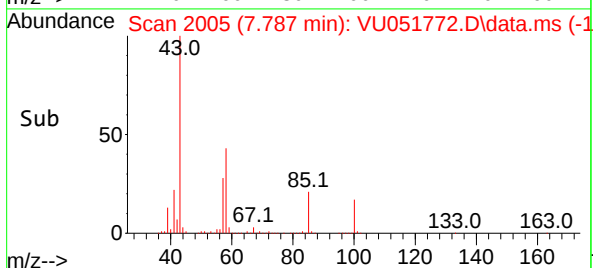
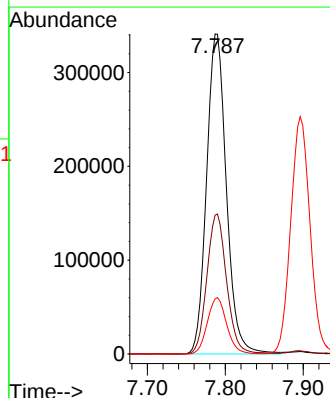
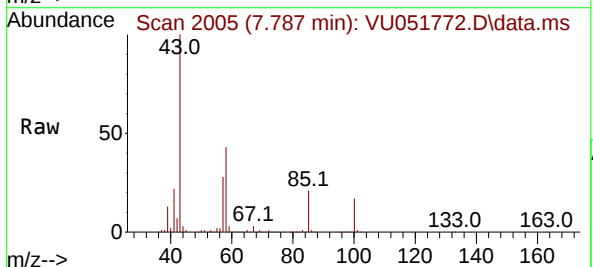
Tgt Ion: 43 Resp: 602714

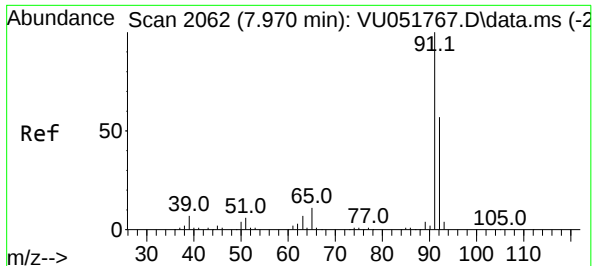
Ion Ratio Lower Upper

43 100

58 43.6 34.4 51.6

100 17.2 12.9 19.3





#42

Toluene

Concen: 52.815 ug/L

RT: 7.967 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU051772.D

Acq: 07 Nov 2022 16:47

Instrument :

MSVOA_U

ClientSampleId :

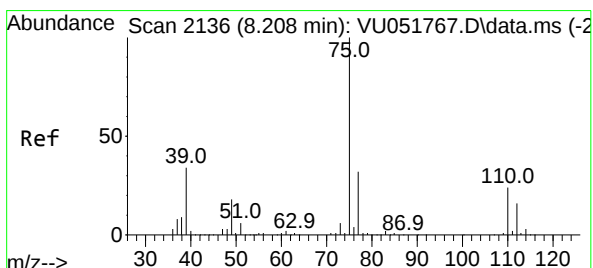
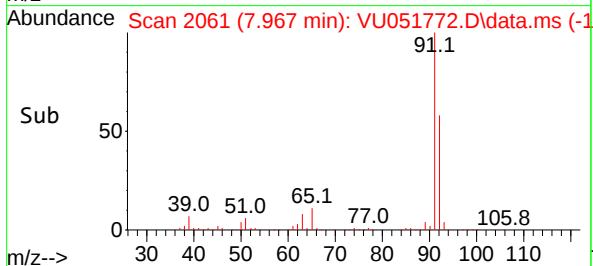
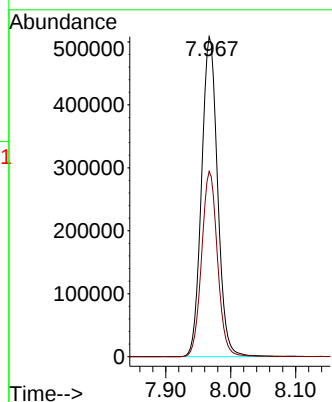
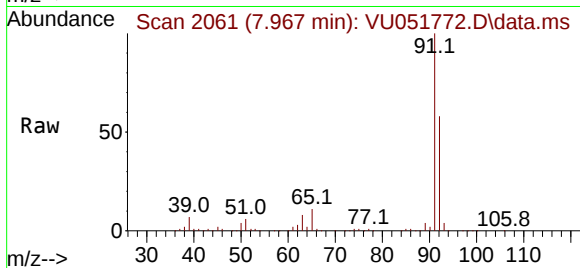
VSTD050119

Tgt Ion: 91 Resp: 875846

Ion Ratio Lower Upper

91 100

92 57.9 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 52.336 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU051772.D

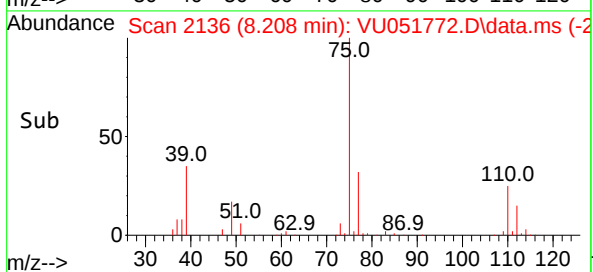
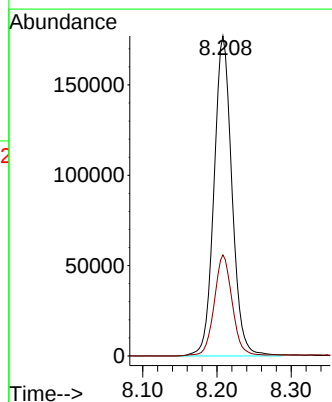
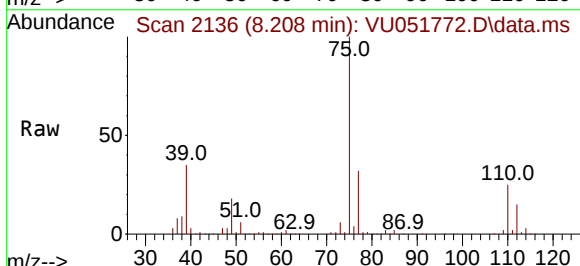
Acq: 07 Nov 2022 16:47

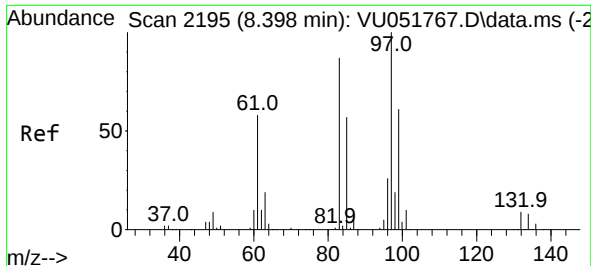
Tgt Ion: 75 Resp: 297582

Ion Ratio Lower Upper

75 100

77 31.6 21.3 39.5





#45

1,1,2-Trichloroethane

Concen: 49.690 ug/L

RT: 8.398 min Scan# 2197

Delta R.T. 0.000 min

Lab File: VU051772.D

Acq: 07 Nov 2022 16:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD050119

Tgt Ion: 97 Resp: 219779

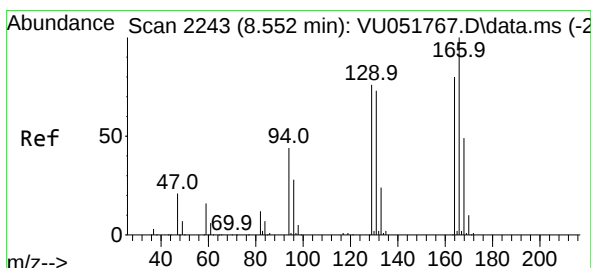
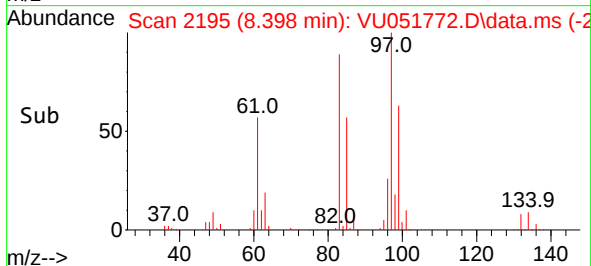
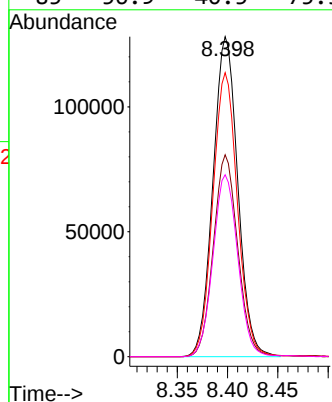
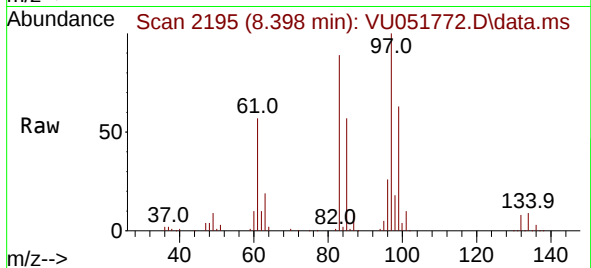
Ion Ratio Lower Upper

97 100

99 63.1 43.6 81.0

83 88.7 61.8 114.8

85 56.9 40.5 75.3



#46

Tetrachloroethene

Concen: 50.617 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU051772.D

Acq: 07 Nov 2022 16:47

Tgt Ion:164 Resp: 147333

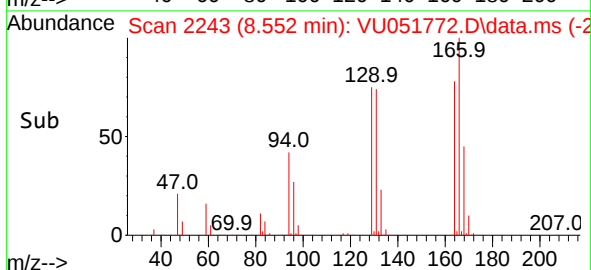
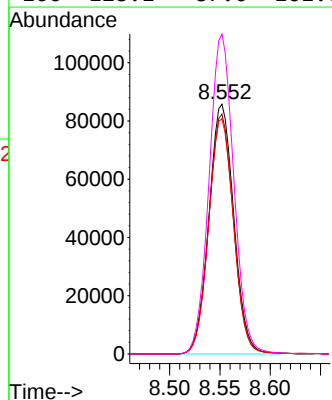
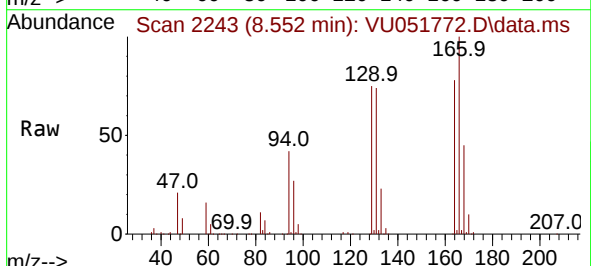
Ion Ratio Lower Upper

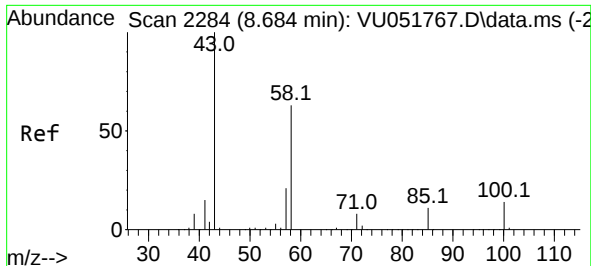
164 100

129 96.0 67.3 124.9

131 94.2 65.2 121.0

166 128.1 87.0 161.6

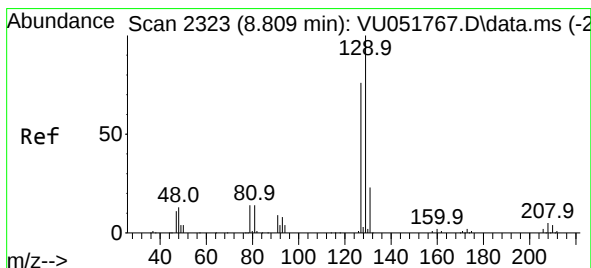
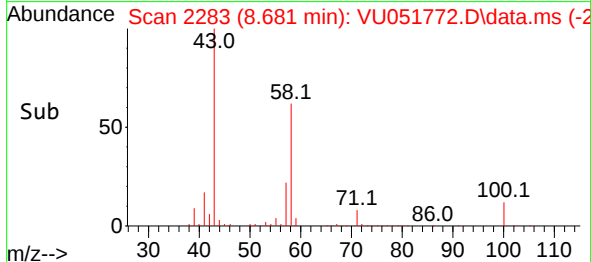
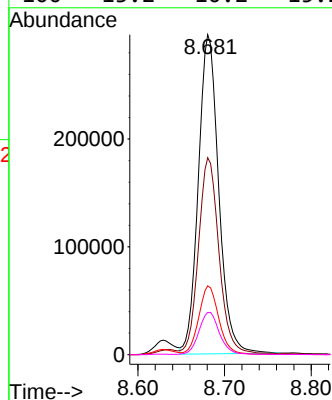
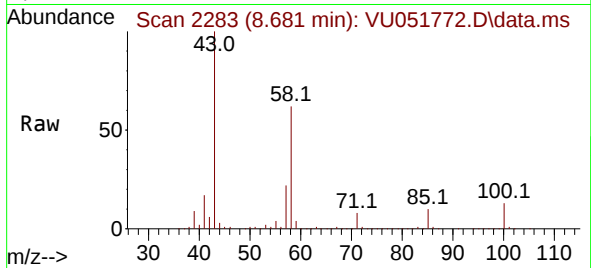




#48
2-Hexanone
Concen: 95.776 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

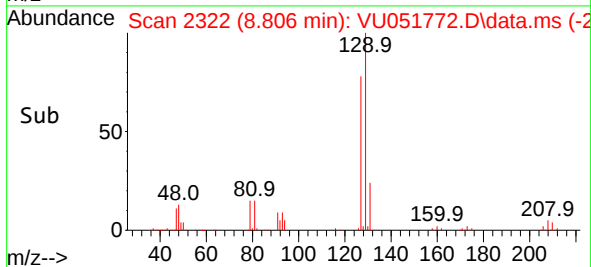
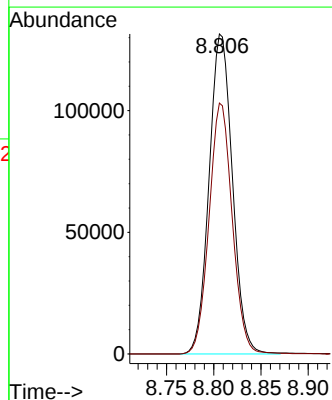
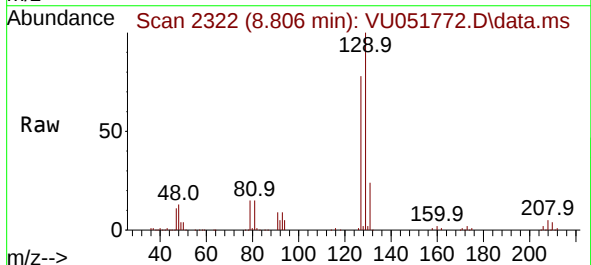
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

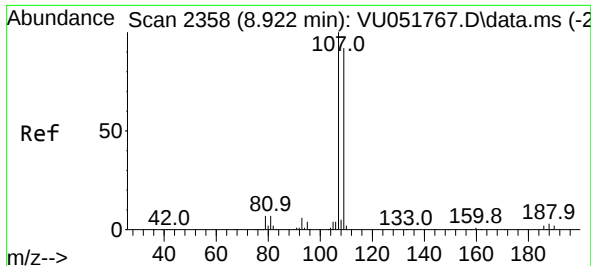
Tgt Ion:	43	Resp:	484618
Ion	Ratio	Lower	Upper
43	100		
58	62.1	48.2	72.4
57	21.0	16.4	24.6
100	13.2	10.2	15.2



#49
Dibromochloromethane
Concen: 49.900 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

Tgt Ion:	129	Resp:	225901
Ion	Ratio	Lower	Upper
129	100		
127	78.4	53.1	98.5





#50

1,2-Dibromoethane

Concen: 50.331 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051772.D

Acq: 07 Nov 2022 16:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD050119

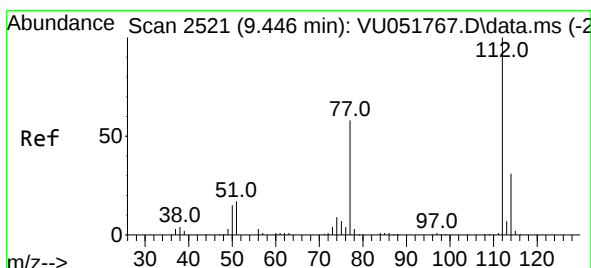
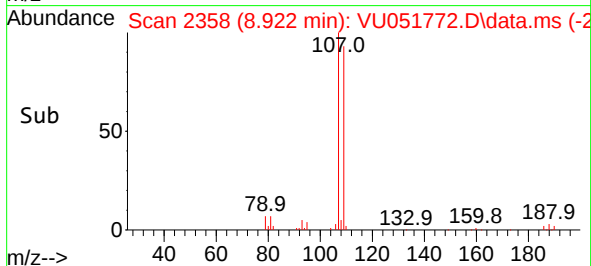
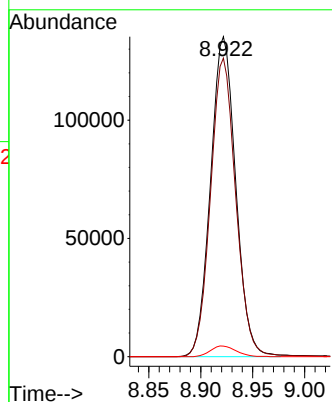
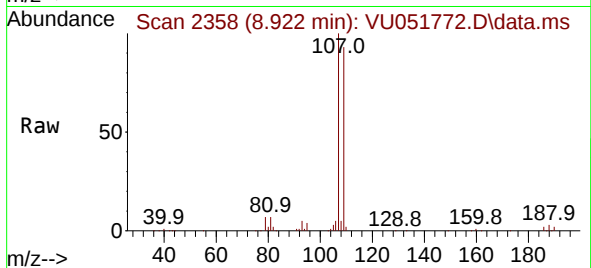
Tgt Ion:107 Resp: 228122

Ion Ratio Lower Upper

107 100

109 93.3 65.8 122.2

188 3.3 2.7 4.1



#51

Chlorobenzene

Concen: 50.099 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU051772.D

Acq: 07 Nov 2022 16:47

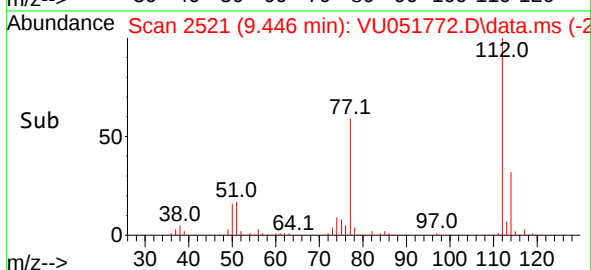
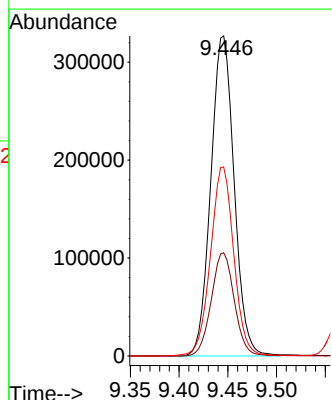
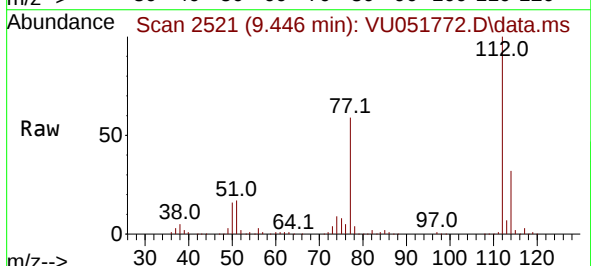
Tgt Ion:112 Resp: 544056

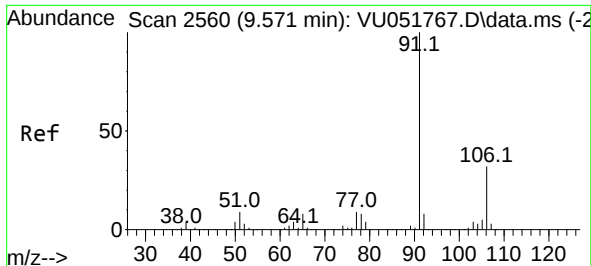
Ion Ratio Lower Upper

112 100

114 32.2 21.9 40.7

77 59.0 47.3 70.9

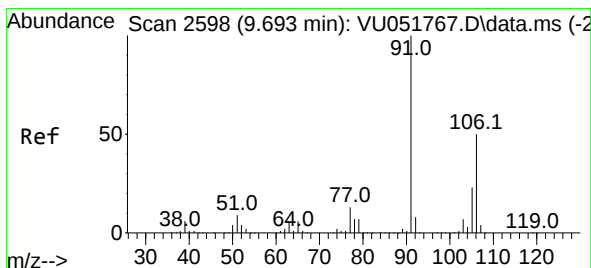
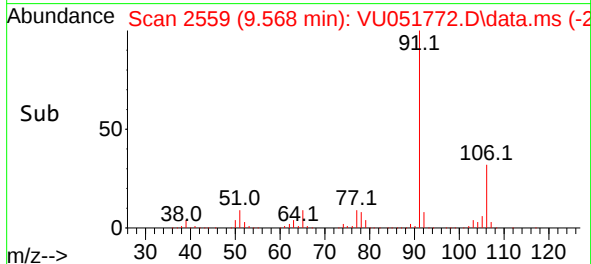
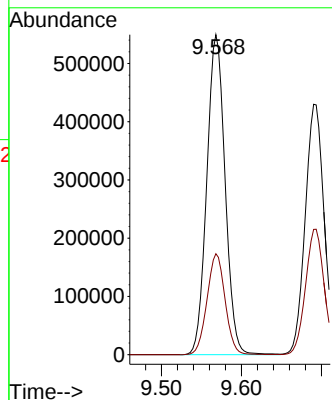
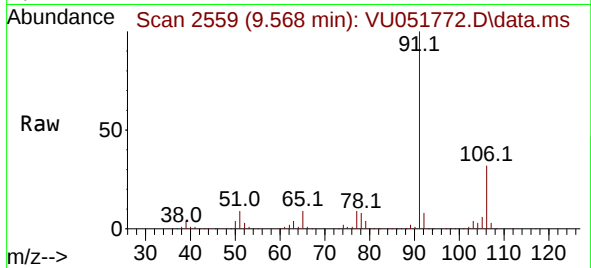




#52
Ethylbenzene
Concen: 52.382 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

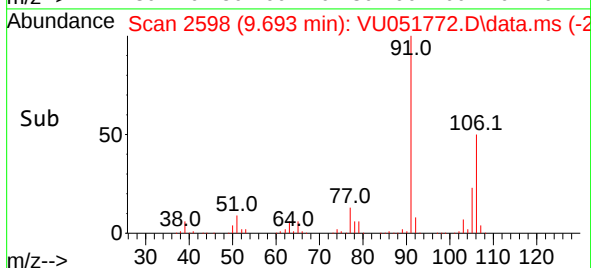
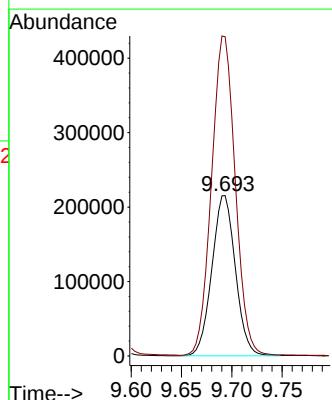
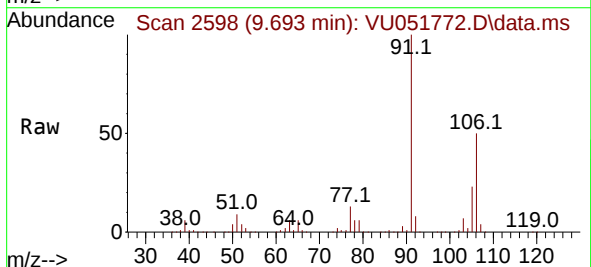
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

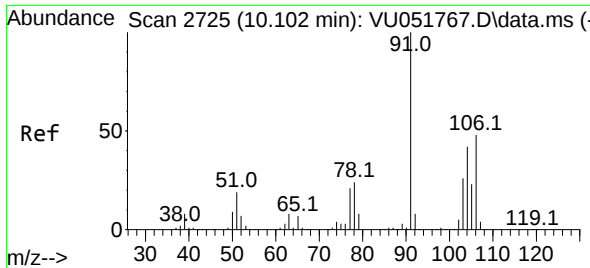
Tgt Ion: 91 Resp: 875980
Ion Ratio Lower Upper
91 100
106 31.5 21.3 39.6



#53
m,p-Xylene
Concen: 54.205 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

Tgt Ion: 106 Resp: 349397
Ion Ratio Lower Upper
106 100
91 199.0 141.3 262.3

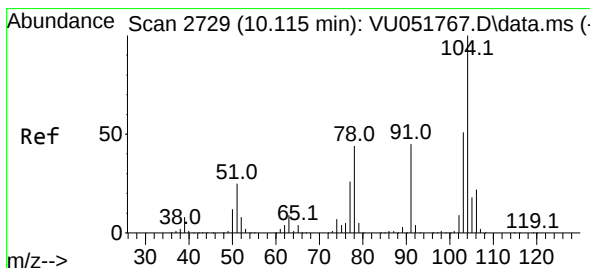
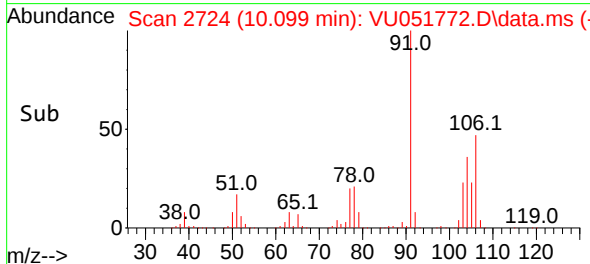
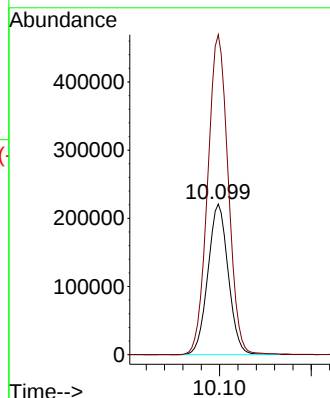
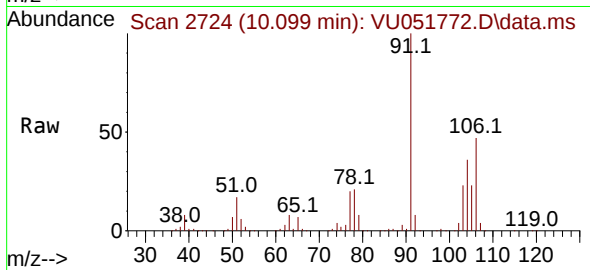




#54
o-Xylene
Concen: 53.247 ug/L
RT: 10.099 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

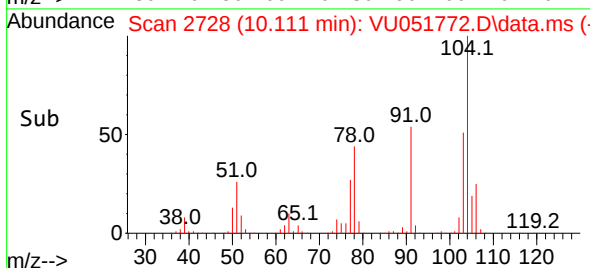
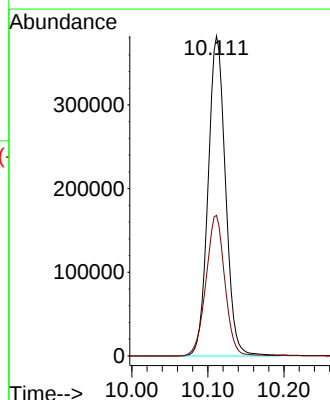
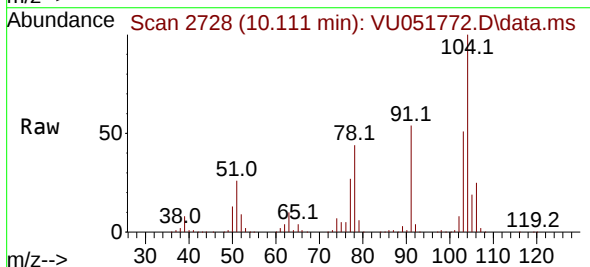
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

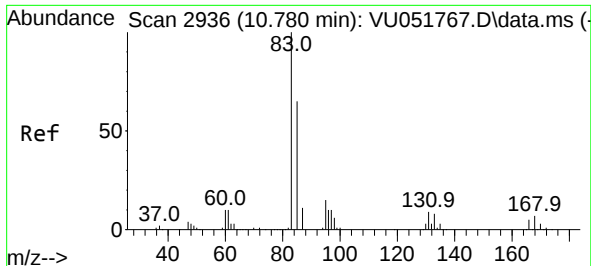
Tgt Ion:106 Resp: 340451
Ion Ratio Lower Upper
106 100
91 212.4 153.2 284.4



#55
Styrene
Concen: 54.824 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

Tgt Ion:104 Resp: 609137
Ion Ratio Lower Upper
104 100
78 43.9 31.8 59.0





#57

1,1,2,2-Tetrachloroethane

Concen: 46.021 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU051772.D

Acq: 07 Nov 2022 16:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD050119

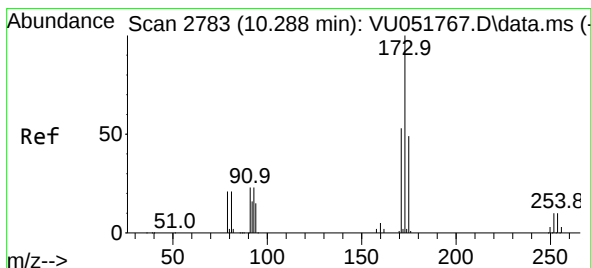
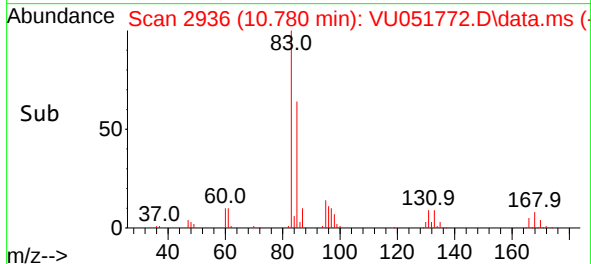
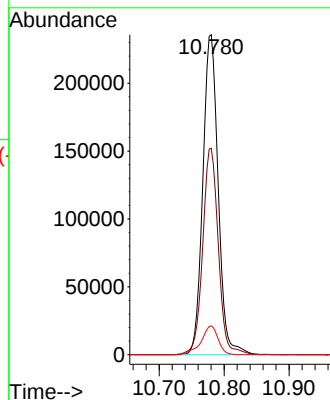
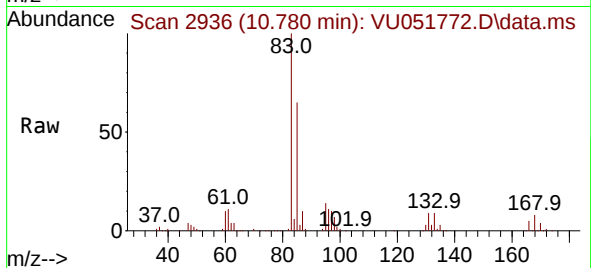
Tgt Ion: 83 Resp: 388408

Ion Ratio Lower Upper

83 100

85 64.5 44.9 83.5

131 9.0 7.4 11.2



#59

Bromoform

Concen: 44.685 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.000 min

Lab File: VU051772.D

Acq: 07 Nov 2022 16:47

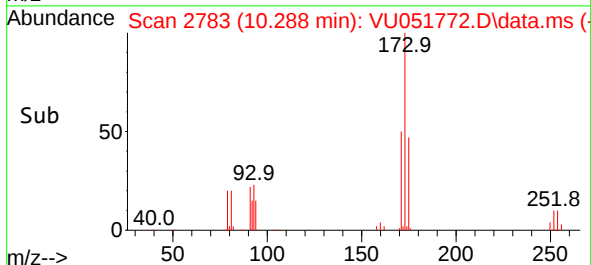
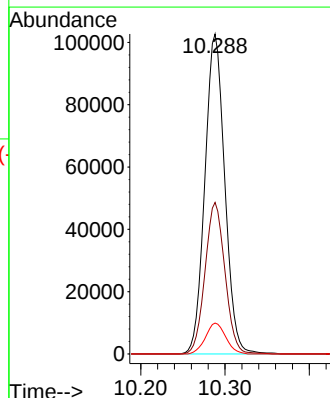
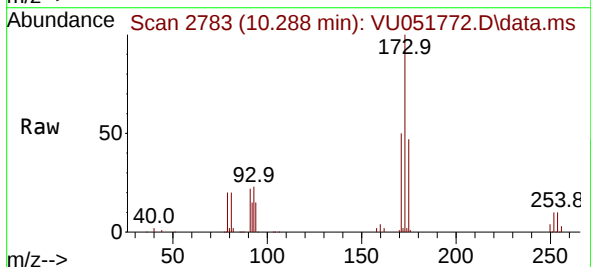
Tgt Ion: 173 Resp: 168772

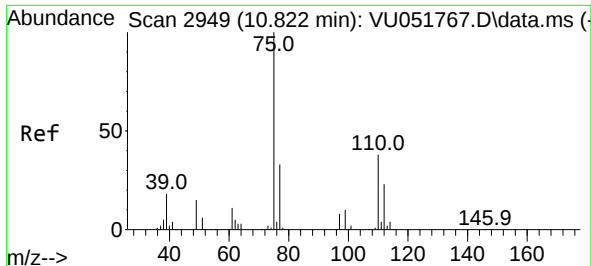
Ion Ratio Lower Upper

173 100

175 47.4 38.4 57.6

254 9.9 7.8 11.6

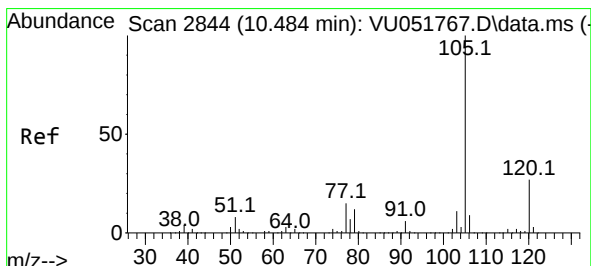
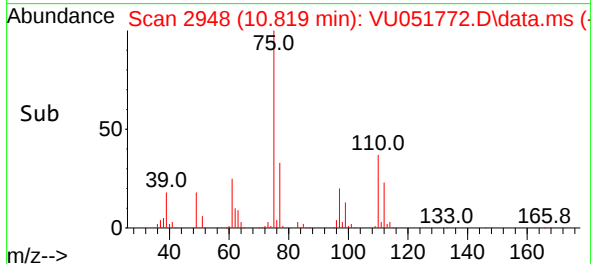
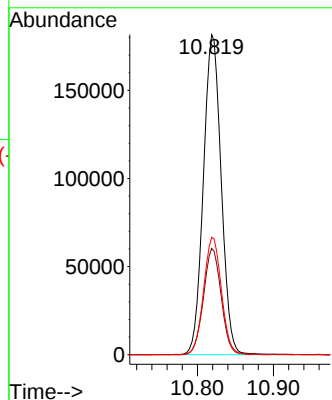
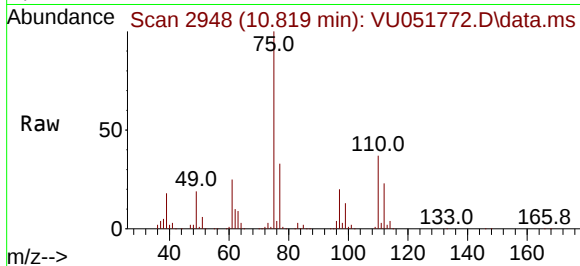




#60
1,2,3-Trichloropropane
Concen: 42.016 ug/L
RT: 10.819 min Scan# 2949
Delta R.T. -0.003 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

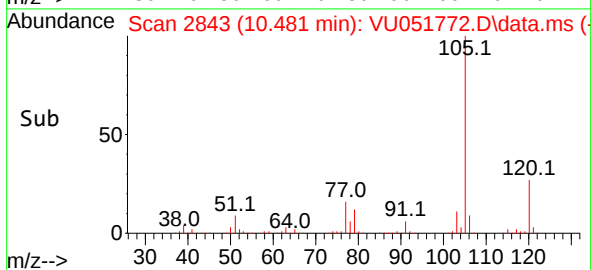
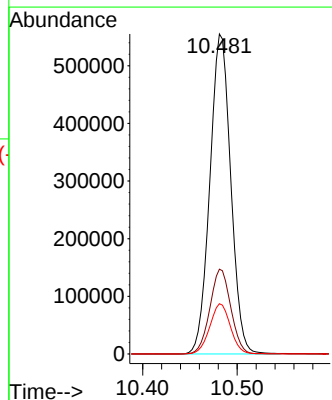
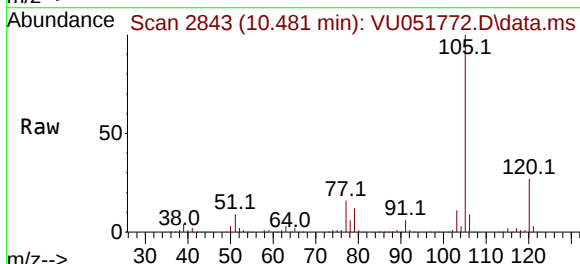
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

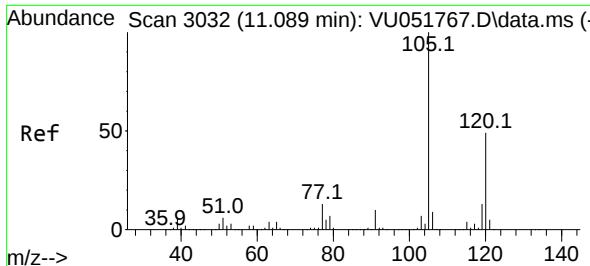
Tgt Ion: 75 Resp: 295279
Ion Ratio Lower Upper
75 100
77 32.7 26.1 39.1
110 36.6 28.7 43.1



#61
Isopropylbenzene
Concen: 50.036 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

Tgt Ion: 105 Resp: 852119
Ion Ratio Lower Upper
105 100
120 26.6 21.1 31.7
77 15.6 12.6 19.0

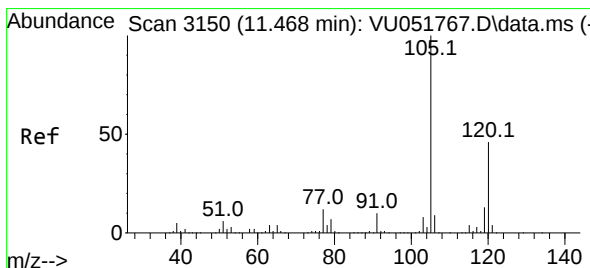
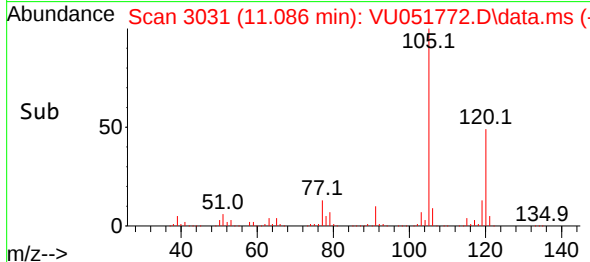
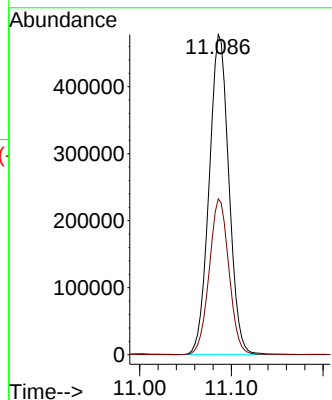
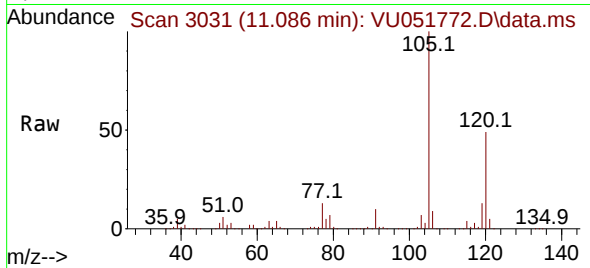




#62
 1,3,5-Trimethylbenzene
 Concen: 49.284 ug/L
 RT: 11.086 min Scan# 3032
 Delta R.T. -0.003 min
 Lab File: VU051772.D
 Acq: 07 Nov 2022 16:47

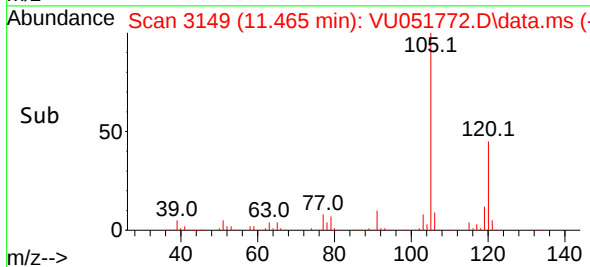
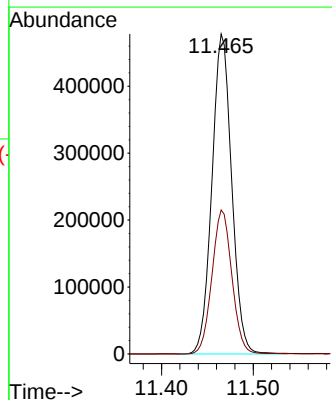
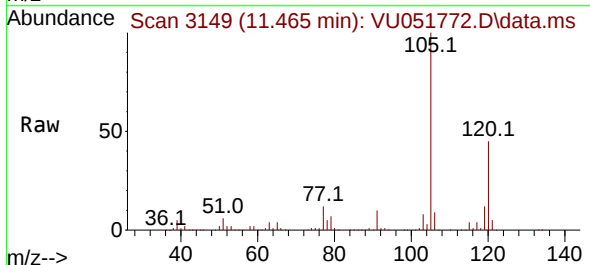
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050119

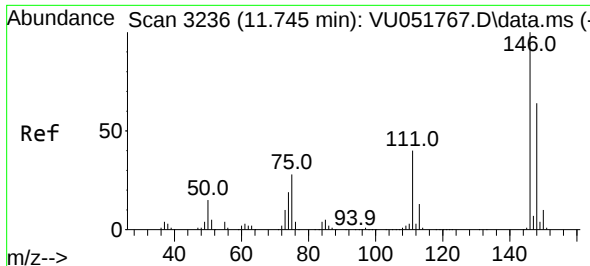
Tgt Ion:105 Resp: 712978
 Ion Ratio Lower Upper
 105 100
 120 48.7 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 50.222 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.003 min
 Lab File: VU051772.D
 Acq: 07 Nov 2022 16:47

Tgt Ion:105 Resp: 715408
 Ion Ratio Lower Upper
 105 100
 120 45.4 35.4 53.0

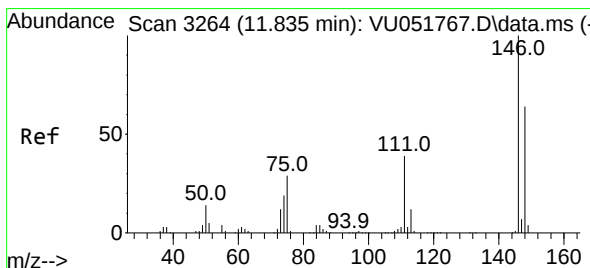
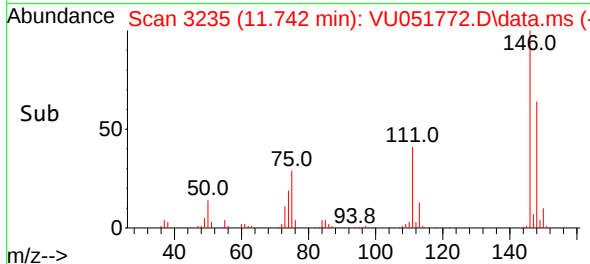
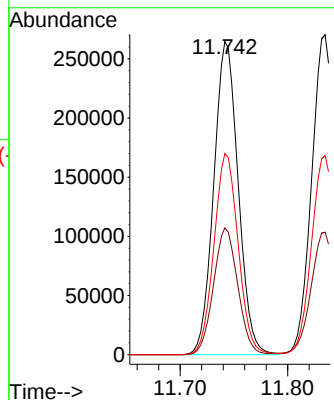
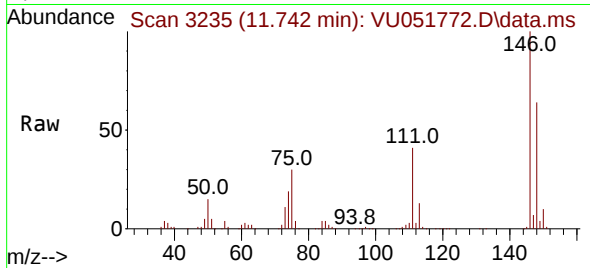




#64
 1,3-Dichlorobenzene
 Concen: 48.069 ug/L
 RT: 11.742 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU051772.D
 Acq: 07 Nov 2022 16:47

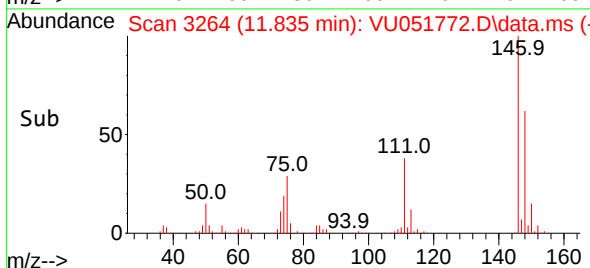
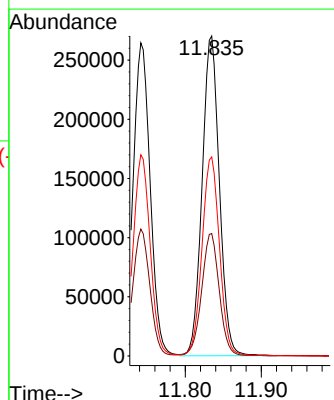
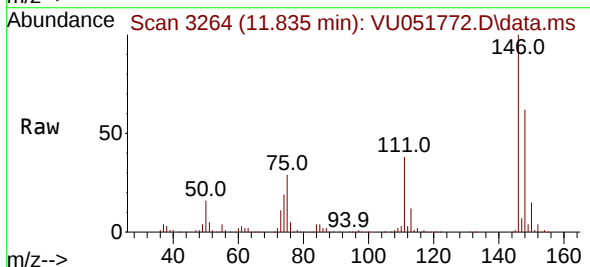
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050119

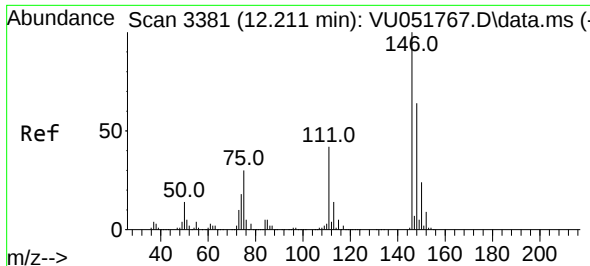
Tgt Ion:146 Resp: 417867
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.7 53.3
 148 64.3 43.2 80.2



#65
 1,4-Dichlorobenzene
 Concen: 47.753 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. 0.000 min
 Lab File: VU051772.D
 Acq: 07 Nov 2022 16:47

Tgt Ion:146 Resp: 426907
 Ion Ratio Lower Upper
 146 100
 111 38.2 28.9 53.7
 148 62.2 44.6 82.8

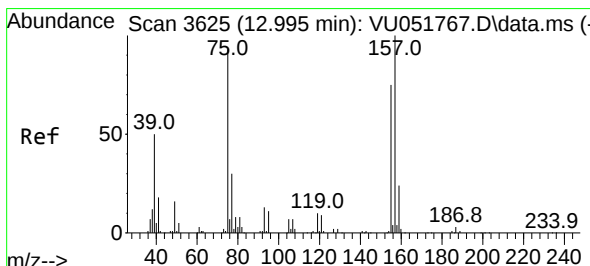
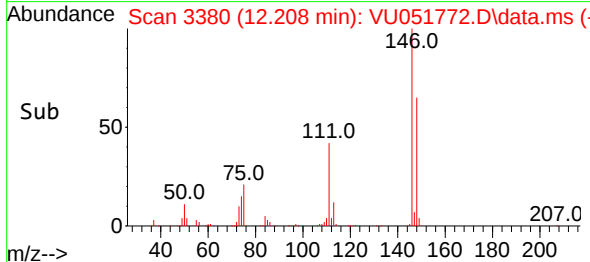
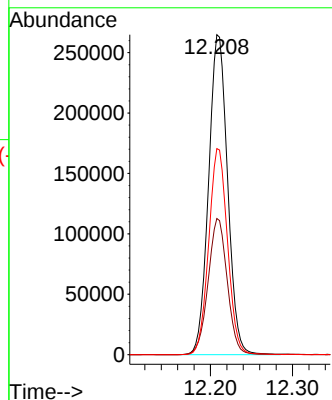
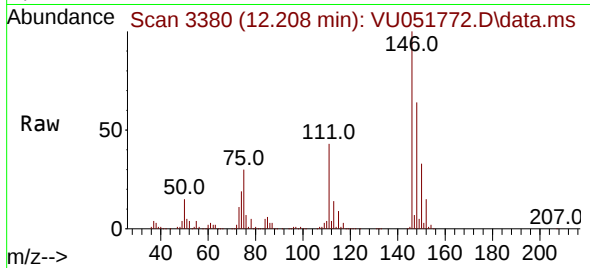




#67
1,2-Dichlorobenzene
Concen: 47.100 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.003 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

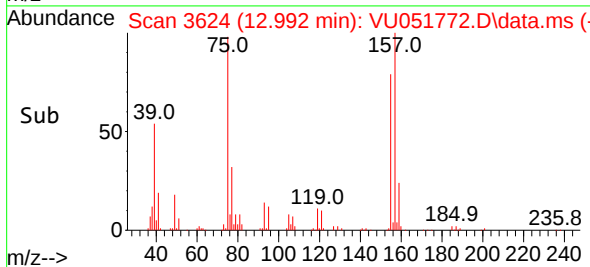
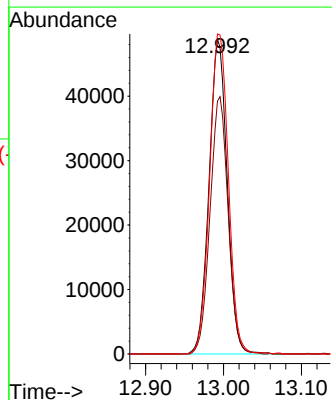
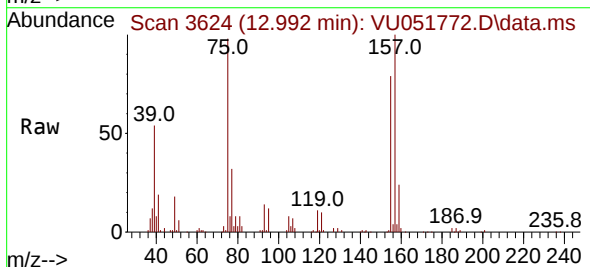
Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

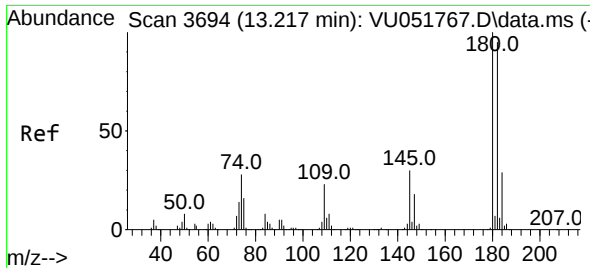
Tgt Ion:146 Resp: 426506
Ion Ratio Lower Upper
146 100
111 42.6 35.3 52.9
148 64.4 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 41.747 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.003 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

Tgt Ion: 75 Resp: 79185
Ion Ratio Lower Upper
75 100
155 80.4 62.5 93.7
157 101.7 81.6 122.4

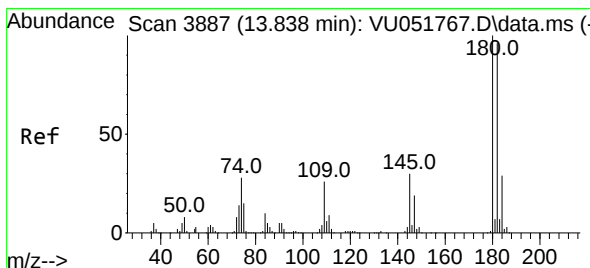
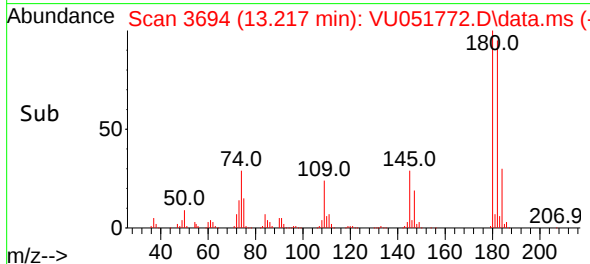
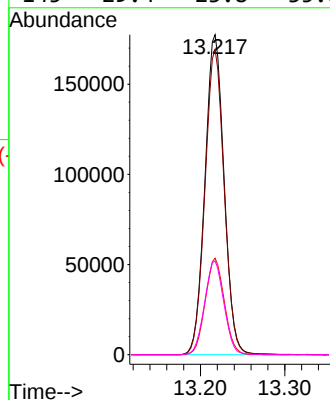
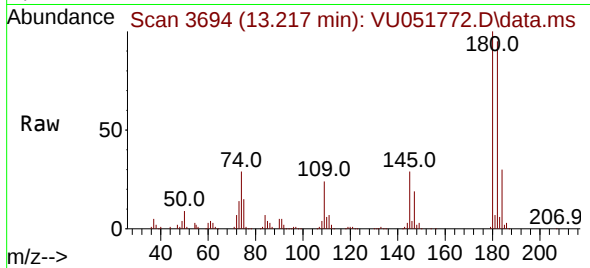




#69
 1,3,5-Trichlorobenzene
 Concen: 48.145 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU051772.D
 Acq: 07 Nov 2022 16:47

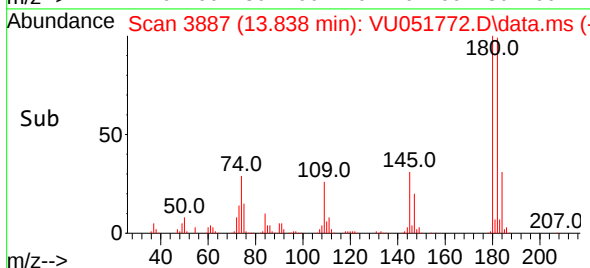
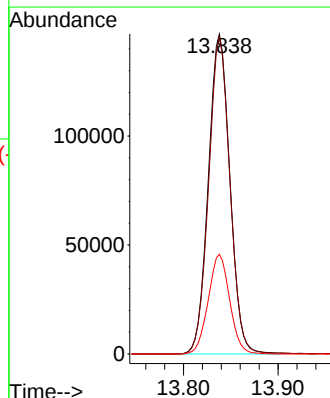
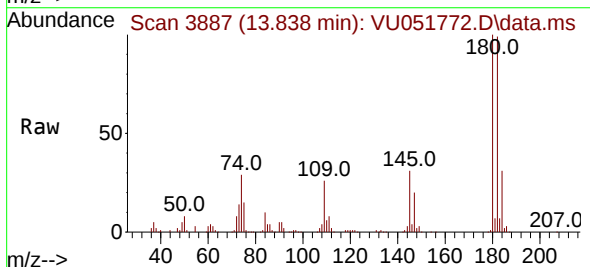
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050119

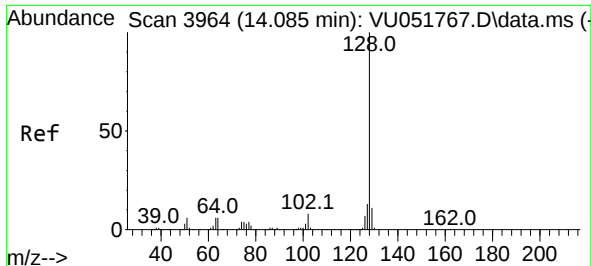
Tgt Ion:	180	Resp:	280757
Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.6	113.4
184	30.0	23.9	35.9
145	29.4	23.8	35.8



#70
 1,2,4-trichlorobenzene
 Concen: 51.846 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.000 min
 Lab File: VU051772.D
 Acq: 07 Nov 2022 16:47

Tgt Ion:	180	Resp:	232772
Ion	Ratio	Lower	Upper
180	100		
182	97.5	76.2	114.4
145	31.0	25.0	37.6

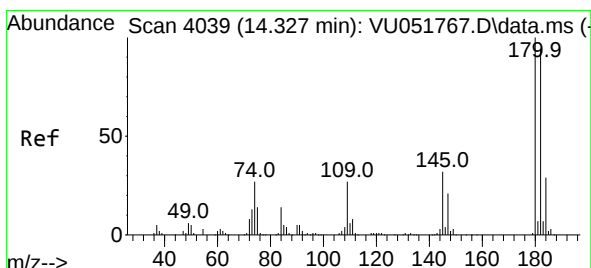
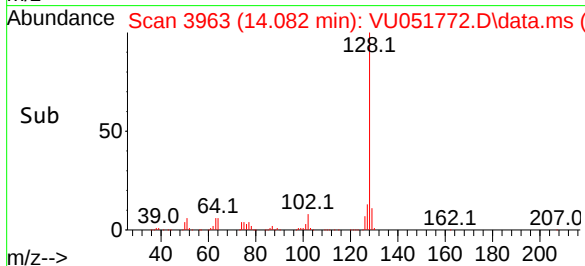
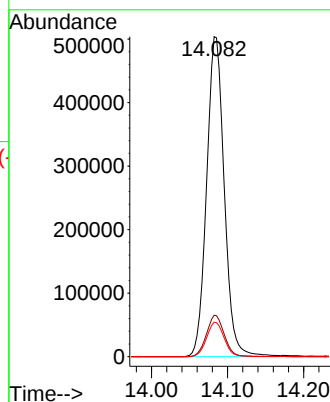
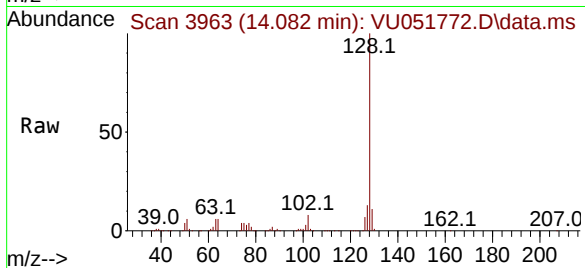




#71
Naphthalene
Concen: 56.596 ug/L
RT: 14.082 min Scan# 3964
Delta R.T. -0.003 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD050119

Tgt Ion:128 Resp: 813282
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 55.025 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.000 min
Lab File: VU051772.D
Acq: 07 Nov 2022 16:47

Tgt Ion:180 Resp: 265191
Ion Ratio Lower Upper
180 100
182 94.5 75.4 113.2
145 32.5 25.3 37.9

