

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102122\
 Data File : VU051482.D
 Acq On : 21 Oct 2022 13:26
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050115

Quant Time: Oct 25 10:06:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 20 21:53:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.246	114	492067	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	498479	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	256295	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	164843	42.219	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.440%
7) Chloroethane-d5	1.899	69	146158	45.439	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.880%
11) 1,1-Dichloroethene-d2	2.565	63	294352	44.287	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.580%
21) 2-Butanone-d5	4.616	46	255706	92.906	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.910%
24) Chloroform-d	5.060	84	338216	47.162	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.320%
26) 1,2-Dichloroethane-d4	5.700	65	204402	45.846	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.700%
32) Benzene-d6	5.726	84	667399	49.440	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.880%
36) 1,2-Dichloropropane-d6	6.687	67	214355	48.355	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.700%
41) Toluene-d8	7.896	98	619738	50.368	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.740%
43) trans-1,3-Dichloroprop...	8.179	79	93296	49.426	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.860%
47) 2-Hexanone-d5	8.632	63	183892	94.446	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.450%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	356948	46.351	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.700%
66) 1,2-Dichlorobenzene-d4	12.192	152	233783	48.727	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	195562	45.475	ug/L	100
3) Chloromethane	1.523	50	248011	45.121	ug/L	98
5) Vinyl chloride	1.604	62	242308	44.542	ug/L	99
6) Bromomethane	1.835	94	154105	54.503	ug/L	100
8) Chloroethane	1.922	64	144651	44.494	ug/L	98
9) Trichlorofluoromethane	2.131	101	286347	45.497	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	175219	45.549	ug/L	99
12) 1,1-Dichloroethene	2.575	96	164900	45.219	ug/L	96
13) Acetone	2.620	43	285124	90.914	ug/L	97
14) Carbon disulfide	2.790	76	523258	44.054	ug/L	100
15) Methyl Acetate	2.944	43	213232	44.958	ug/L	99
16) Methylene chloride	3.044	84	227684	47.565	ug/L	97
17) trans-1,2-Dichloroethene	3.349	96	177963	47.451	ug/L	98
18) Methyl tert-butyl Ether	3.359	73	533417	49.737	ug/L	100
19) 1,1-Dichloroethane	3.864	63	346243	46.806	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	202221	49.422	ug/L	98
22) 2-Butanone	4.697	43	347207	95.392	ug/L	100
23) Bromochloromethane	4.970	128	107935	47.017	ug/L	98
25) Chloroform	5.086	83	364096	47.742	ug/L	98

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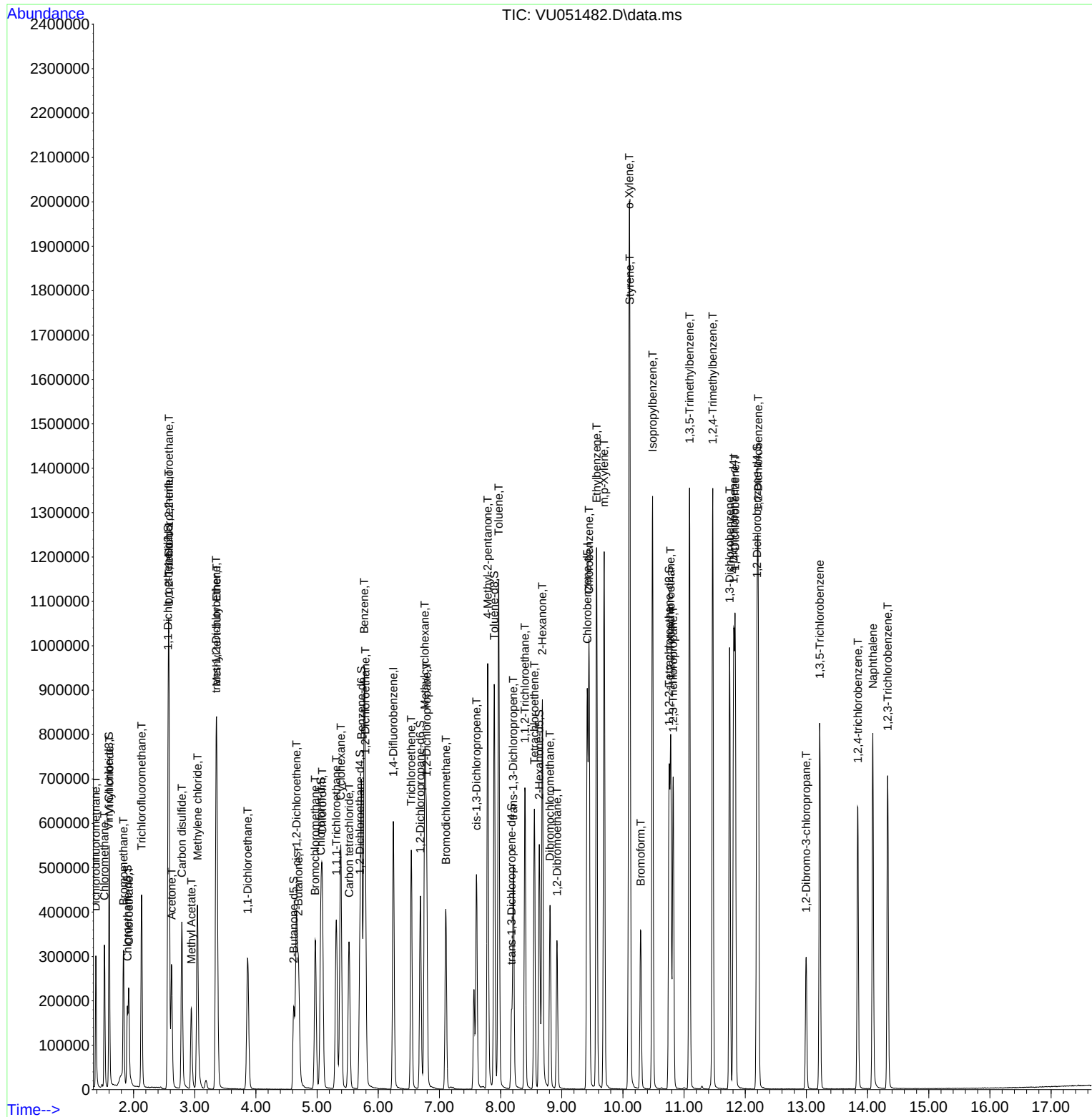
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	276036	46.614	ug/L	100
29) Cyclohexane	5.388	56	266245	50.837	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	277297	46.901	ug/L	99
31) Carbon tetrachloride	5.523	117	230871	46.248	ug/L	100
33) Benzene	5.771	78	820104	50.327	ug/L	100
34) Trichloroethene	6.539	95	188828	48.020	ug/L	99
35) Methylcyclohexane	6.761	83	283417	50.383	ug/L	99
37) 1,2-Dichloropropane	6.790	63	216881	48.532	ug/L	100
38) Bromodichloromethane	7.105	83	270297	47.513	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	294946	50.060	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	589660	98.752	ug/L	99
42) Toluene	7.970	91	861684	51.528	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	286712	50.004	ug/L	97
45) 1,1,2-Trichloroethane	8.398	97	210948	47.296	ug/L	98
46) Tetrachloroethene	8.552	164	144159	49.114	ug/L	99
48) 2-Hexanone	8.684	43	513624	100.663	ug/L	99
49) Dibromochloromethane	8.809	129	216537	47.433	ug/L	99
50) 1,2-Dibromoethane	8.922	107	221083	48.372	ug/L	100
51) Chlorobenzene	9.446	112	531514	48.537	ug/L	99
52) Ethylbenzene	9.571	91	864917	51.290	ug/L	100
53) m,p-Xylene	9.693	106	342336	52.667	ug/L	97
54) o-Xylene	10.102	106	343393	53.260	ug/L	94
55) Styrene	10.115	104	604138	53.922	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	394528	46.357	ug/L	98
59) Bromoform	10.291	173	161982	45.379	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	301535	45.399	ug/L	99
61) Isopropylbenzene	10.484	105	834642	51.857	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	720396	52.690	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	723573	53.747	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	400639	48.765	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	403160	47.717	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	417131	48.741	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	78774	43.943	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	260159	47.204	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	197907	46.641	ug/L	98
71) Naphthalene	14.085	128	632537	46.575	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	225266	49.456	ug/L	99

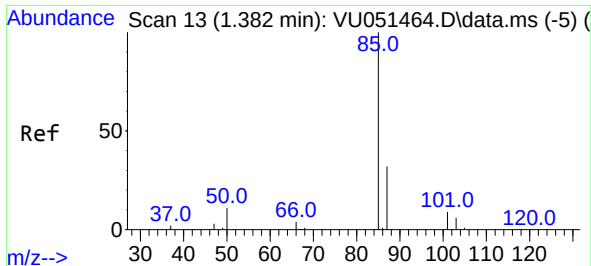
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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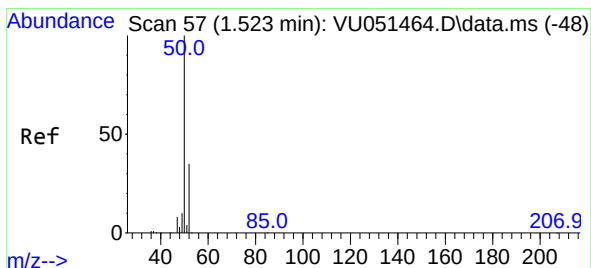
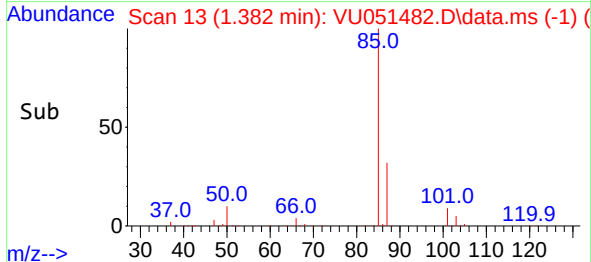
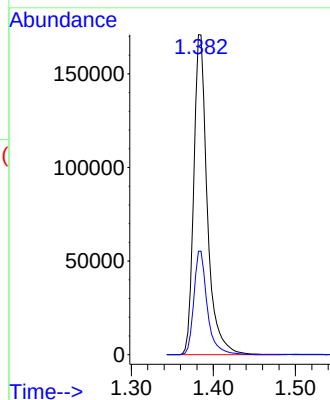
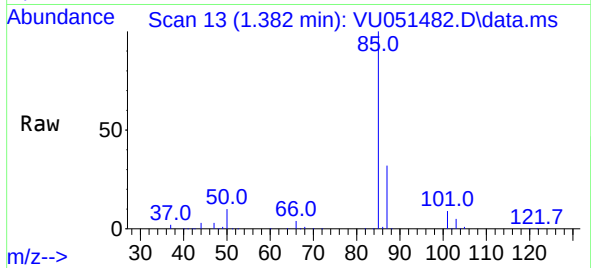




#2
Dichlorodifluoromethane
Concen: 45.475 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

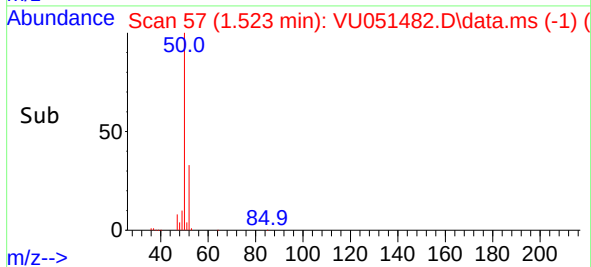
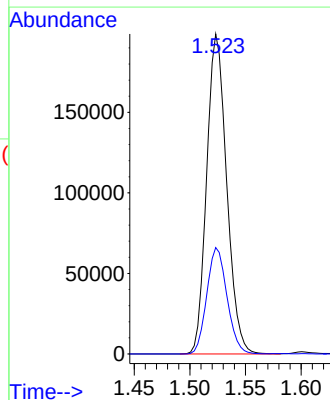
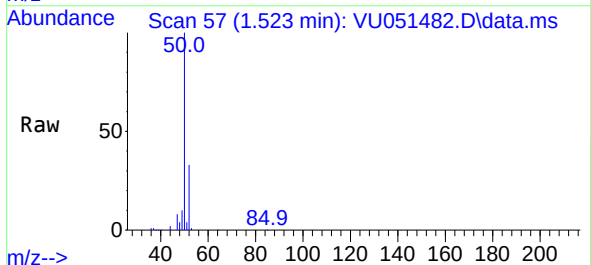
Instrument :
MSVOA_U
ClientSampleId :
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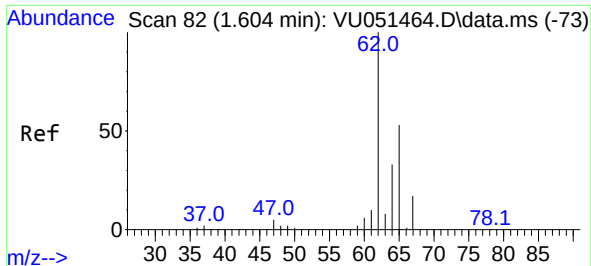
Tgt Ion: 85 Resp: 195562
Ion Ratio Lower Upper
85 100
87 32.1 25.7 38.5



#3
Chloromethane
Concen: 45.121 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

Tgt Ion: 50 Resp: 248011
Ion Ratio Lower Upper
50 100
52 33.3 24.1 44.8

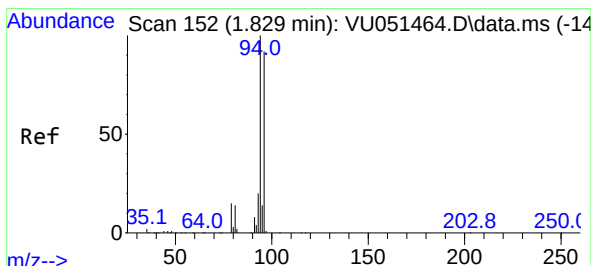
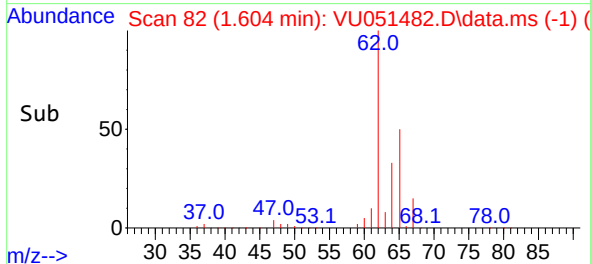
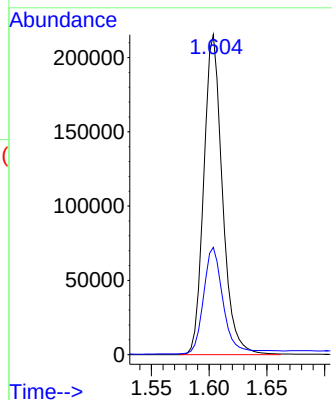
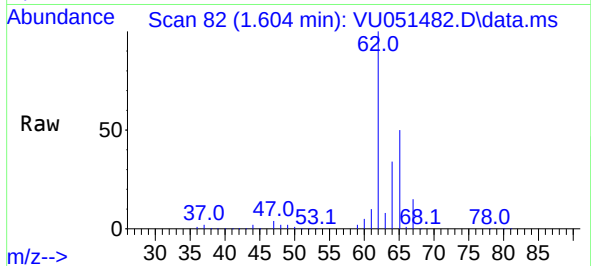




#5
Vinyl chloride
Concen: 44.542 ug/L
RT: 1.604 min Scan# 81
Delta R.T. -0.000 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

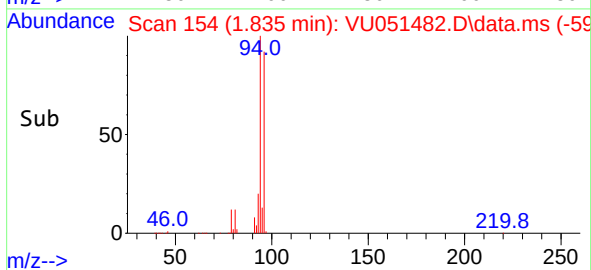
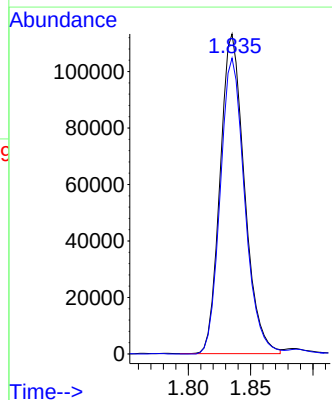
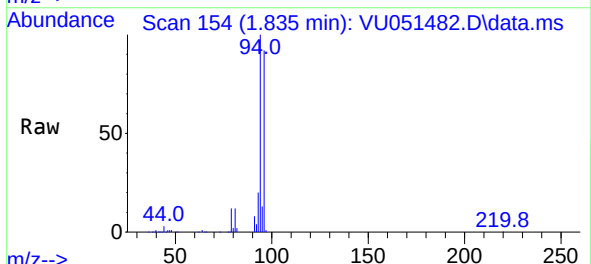
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

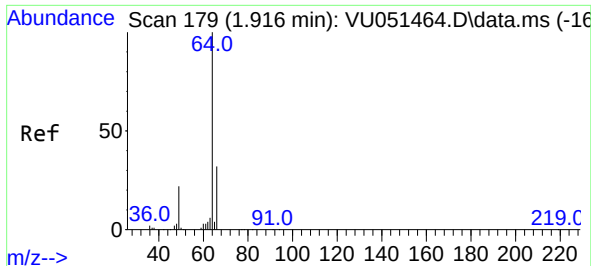
Tgt Ion: 62 Resp: 242308
Ion Ratio Lower Upper
62 100
64 33.5 23.2 43.2



#6
Bromomethane
Concen: 54.503 ug/L
RT: 1.835 min Scan# 154
Delta R.T. 0.006 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

Tgt Ion: 94 Resp: 154105
Ion Ratio Lower Upper
94 100
96 92.5 64.5 119.9

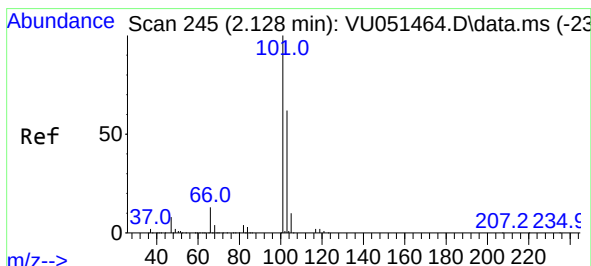
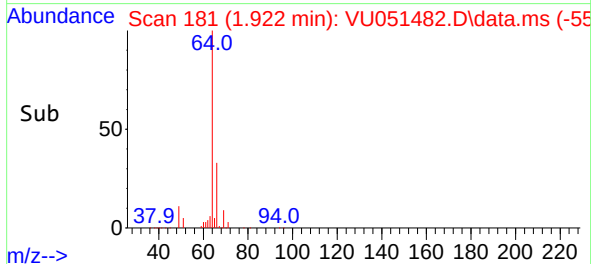
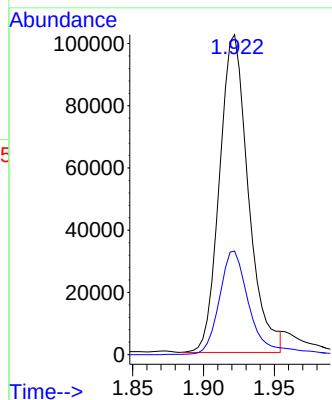
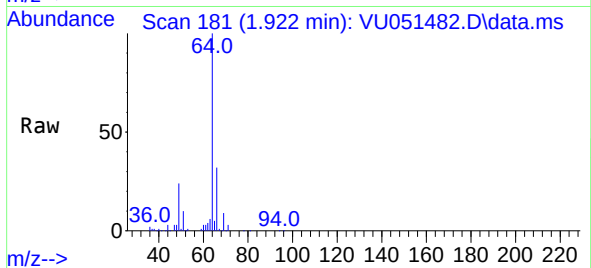




#8
Chloroethane
Concen: 44.494 ug/L
RT: 1.922 min Scan# 181
Delta R.T. 0.006 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

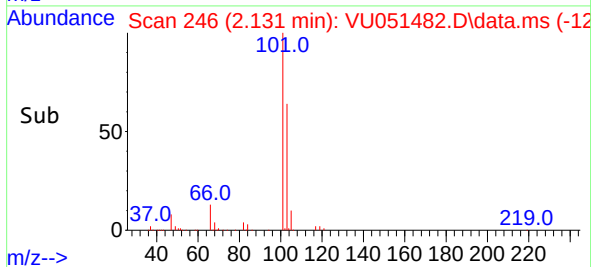
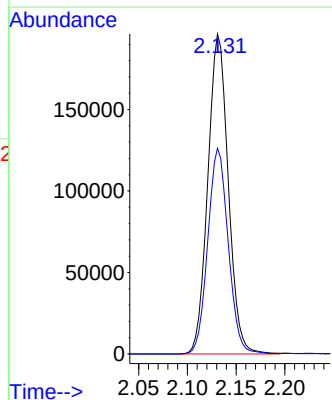
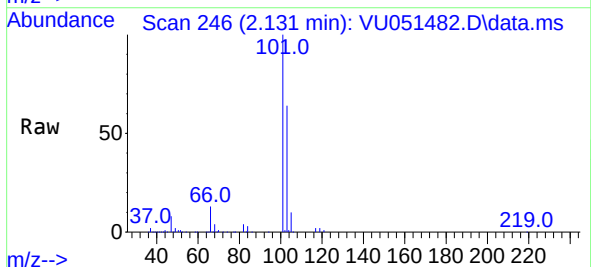
Instrument :
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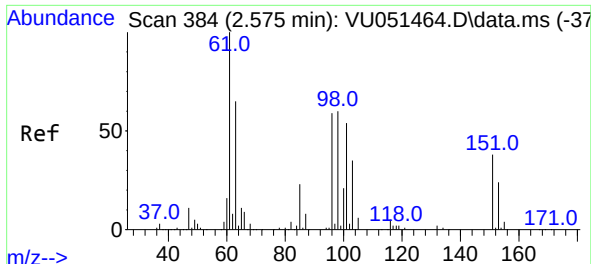
Tgt Ion: 64 Resp: 144651
Ion Ratio Lower Upper
64 100
66 32.4 21.9 40.7



#9
Trichlorofluoromethane
Concen: 45.497 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.003 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

Tgt Ion:101 Resp: 286347
Ion Ratio Lower Upper
101 100
103 64.3 51.0 76.4

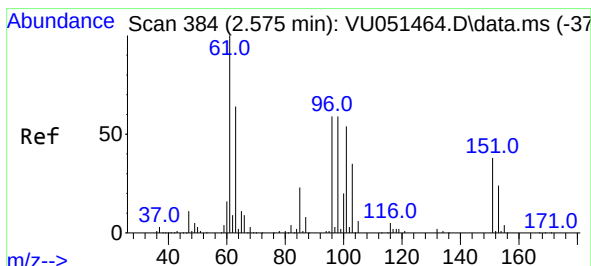
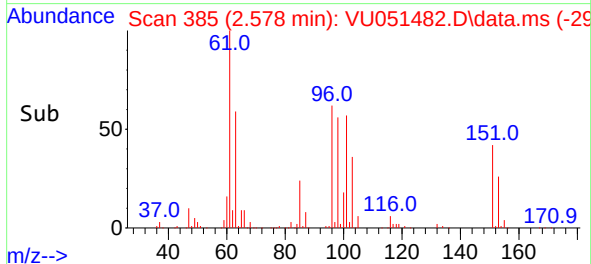
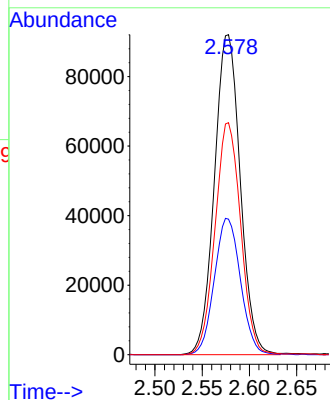
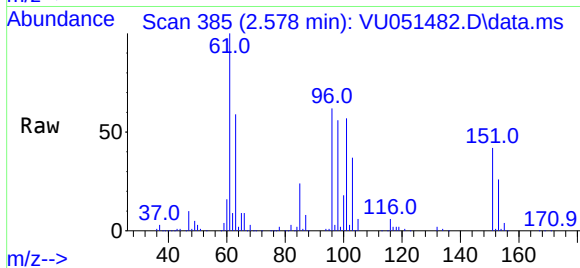




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 45.549 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU051482.D
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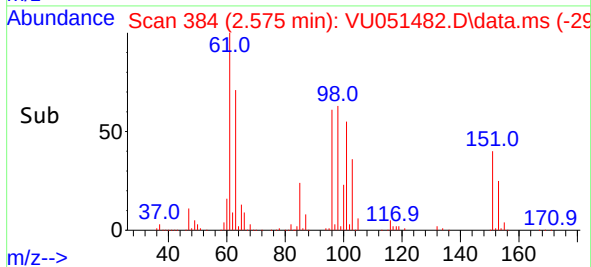
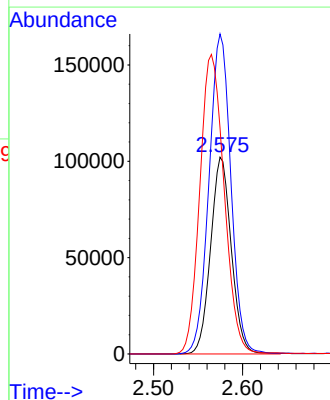
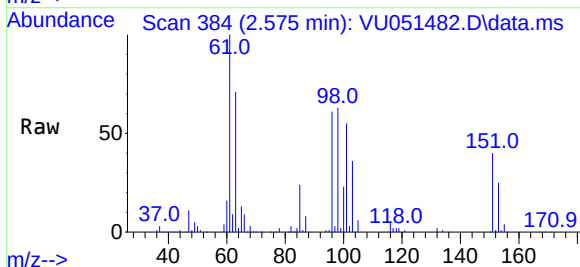
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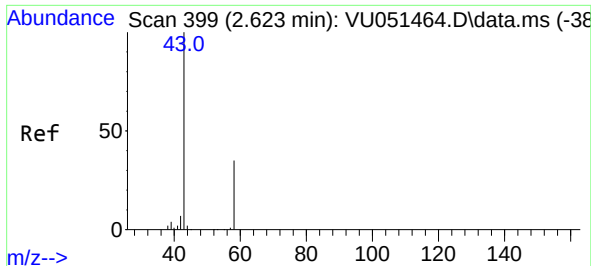
Tgt Ion:101 Resp: 175219
Ion Ratio Lower Upper
101 100
85 43.0 35.2 52.8
151 71.9 57.8 86.8



#12
1,1-Dichloroethene
Concen: 45.219 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

Tgt Ion: 96 Resp: 164900
Ion Ratio Lower Upper
96 100
61 162.6 119.0 221.0
63 114.8 78.5 145.7





#13

Acetone

Concen: 90.914 ug/L

RT: 2.620 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU051482.D

Acq: 21 Oct 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

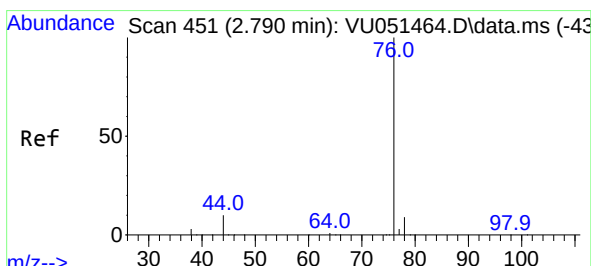
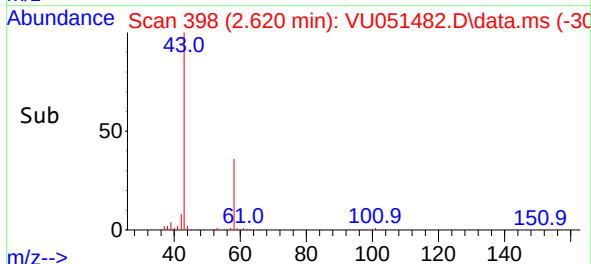
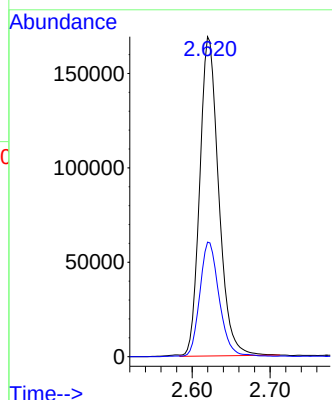
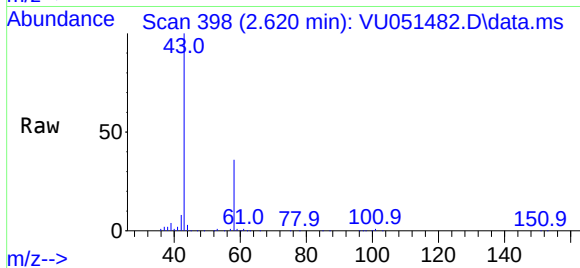
VSTD050115

Tgt Ion: 43 Resp: 285124

Ion Ratio Lower Upper

43 100

58 36.8 0.0 70.2



#14

Carbon disulfide

Concen: 44.054 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU051482.D

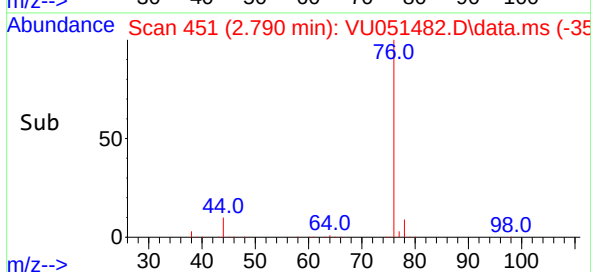
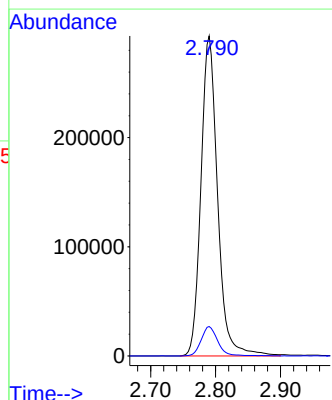
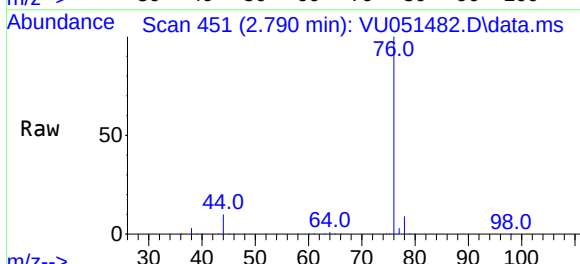
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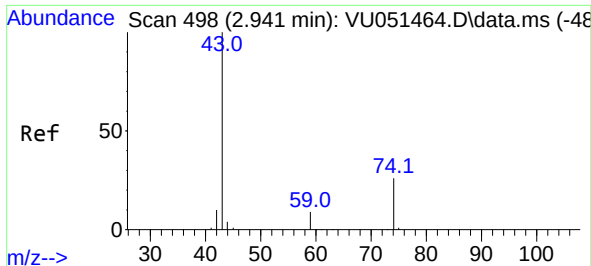
Tgt Ion: 76 Resp: 523258

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

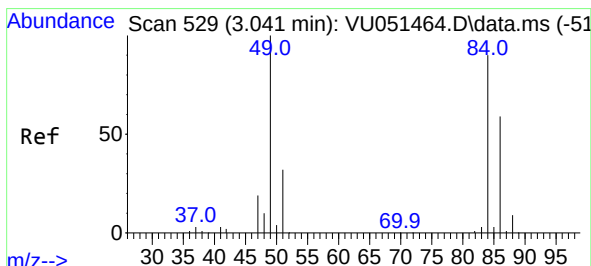
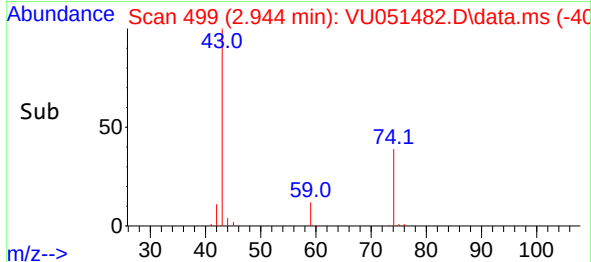
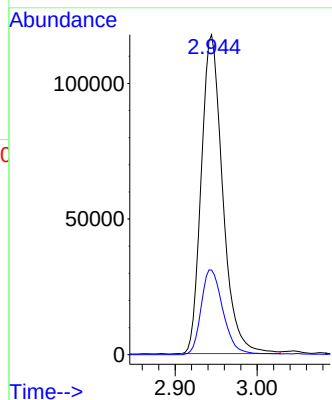
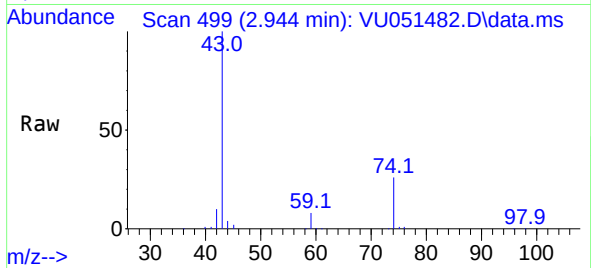




#15
Methyl Acetate
Concen: 44.958 ug/L
RT: 2.944 min Scan# 49
Delta R.T. 0.003 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

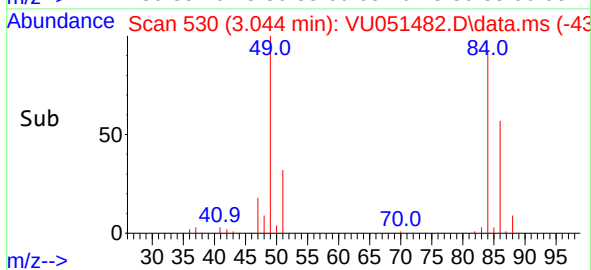
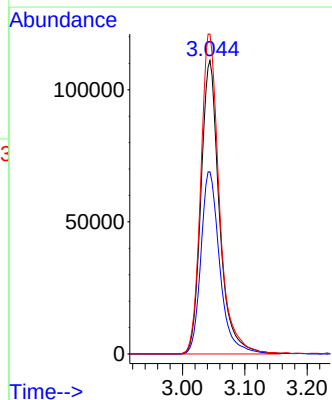
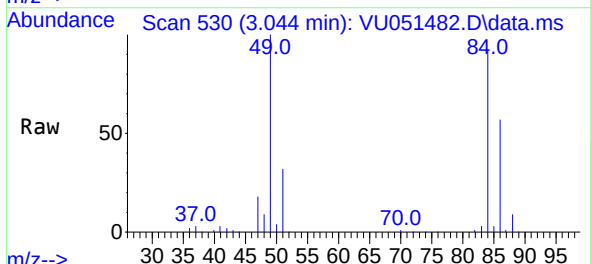
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

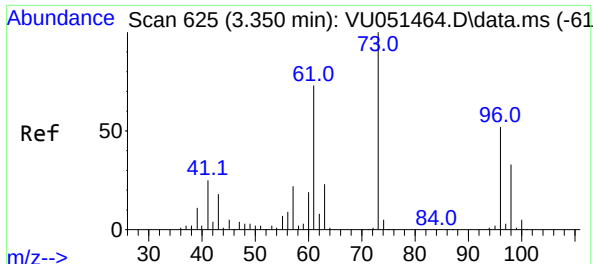
Tgt Ion: 43 Resp: 213232
Ion Ratio Lower Upper
43 100
74 27.1 21.1 31.7



#16
Methylene chloride
Concen: 47.565 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

Tgt Ion: 84 Resp: 227684
Ion Ratio Lower Upper
84 100
86 62.1 45.8 85.2
49 109.0 78.1 145.1

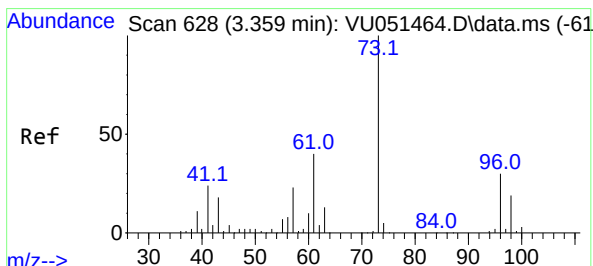
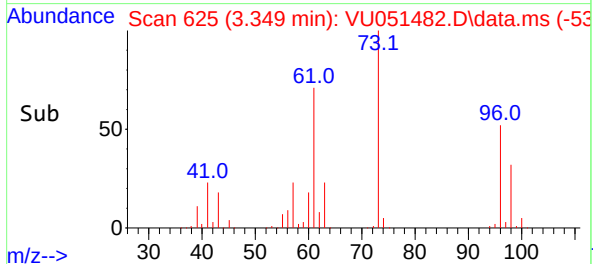
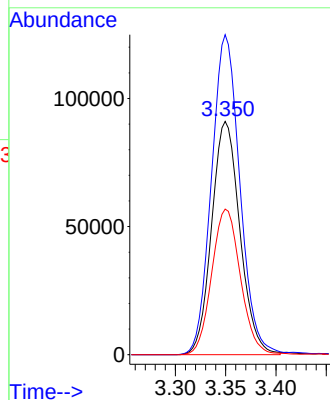
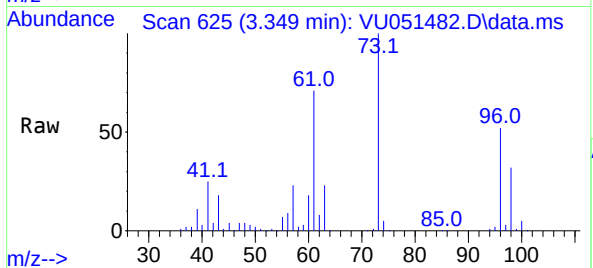




#17
trans-1,2-Dichloroethene
Concen: 47.451 ug/L
RT: 3.349 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

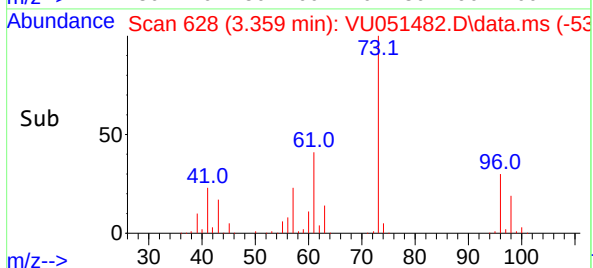
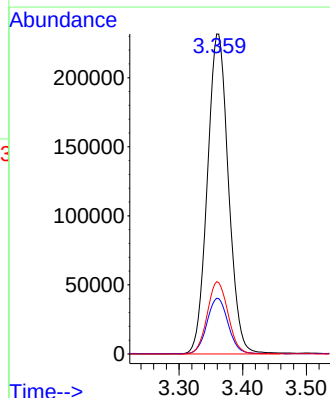
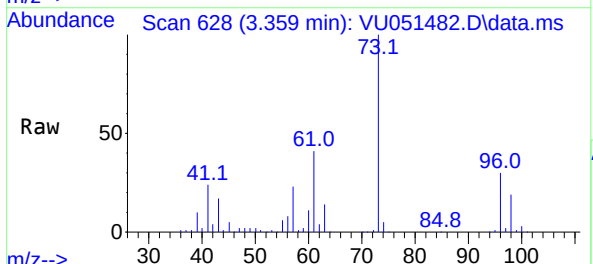
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

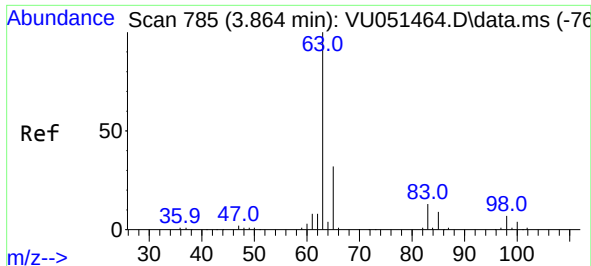
Tgt Ion: 96 Resp: 177963
Ion Ratio Lower Upper
96 100
61 137.1 98.1 182.1
98 62.4 44.8 83.2



#18
Methyl tert-butyl Ether
Concen: 49.737 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

Tgt Ion: 73 Resp: 533417
Ion Ratio Lower Upper
73 100
43 17.3 13.9 20.9
57 22.4 17.7 26.5

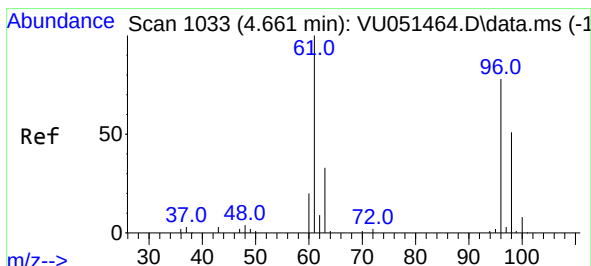
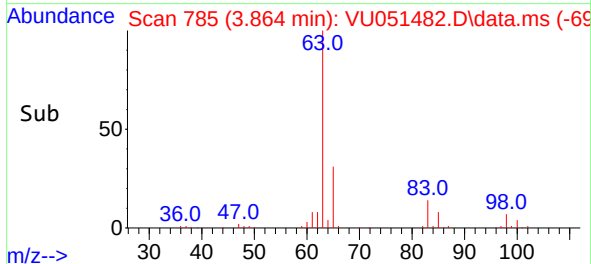
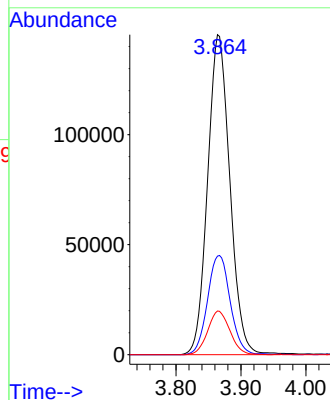
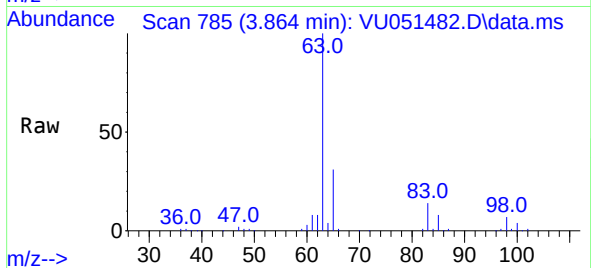




#19
1,1-Dichloroethane
Concen: 46.806 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.000 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

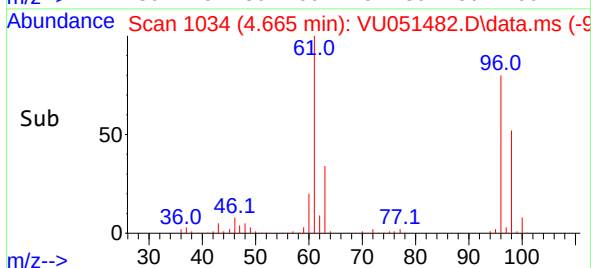
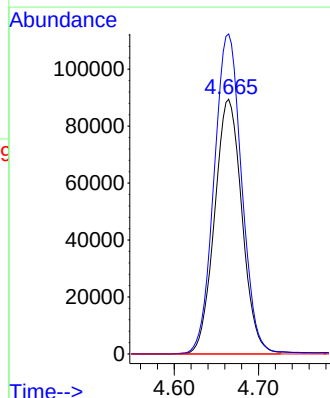
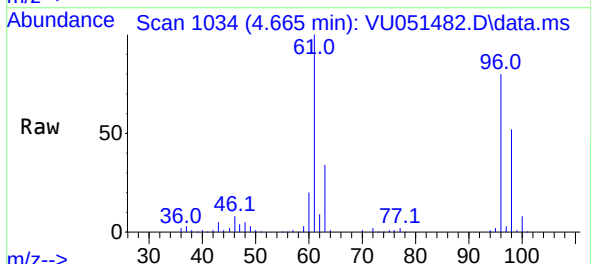
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

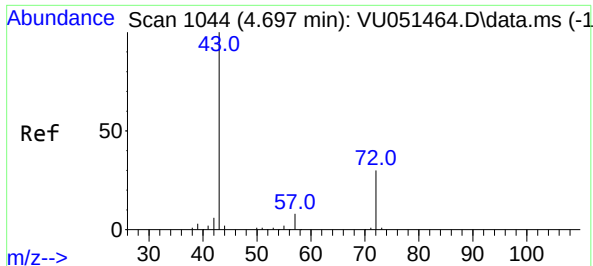
Tgt Ion: 63 Resp: 346243
Ion Ratio Lower Upper
63 100
65 30.8 22.1 41.1
83 13.7 9.4 17.4



#20
cis-1,2-Dichloroethene
Concen: 49.422 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.003 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

Tgt Ion: 96 Resp: 202221
Ion Ratio Lower Upper
96 100
61 125.6 89.7 166.7
68 0.0 0.0 0.0

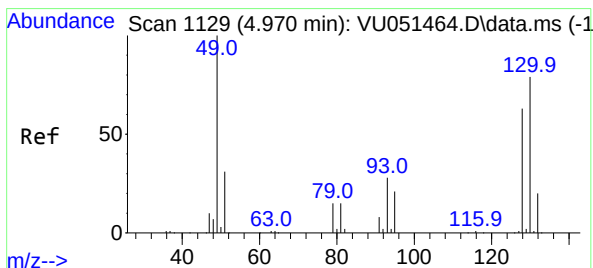
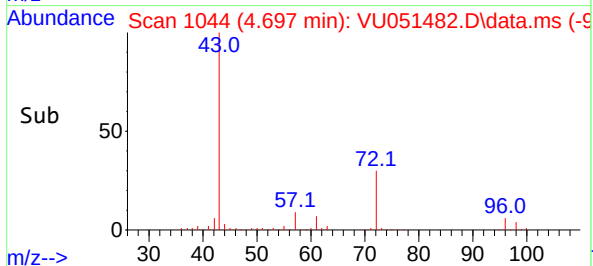
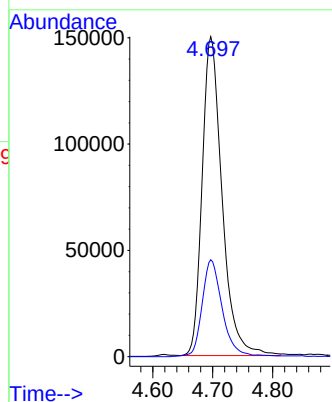
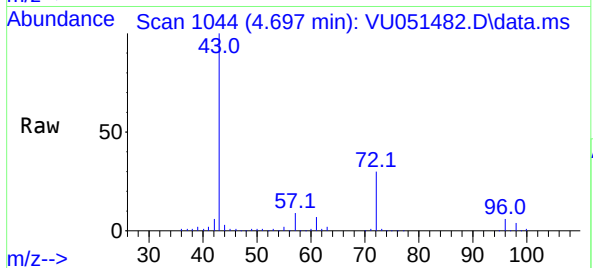




#22
2-Butanone
Concen: 95.392 ug/L
RT: 4.697 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

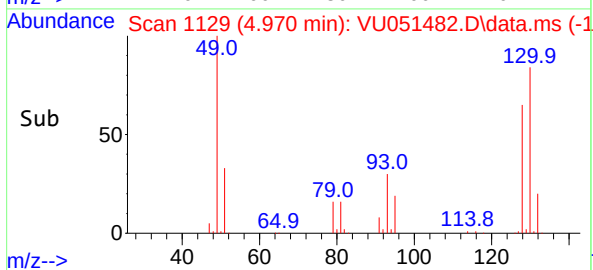
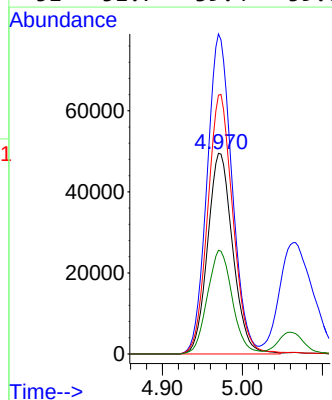
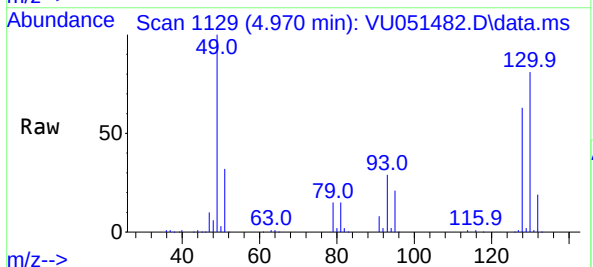
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

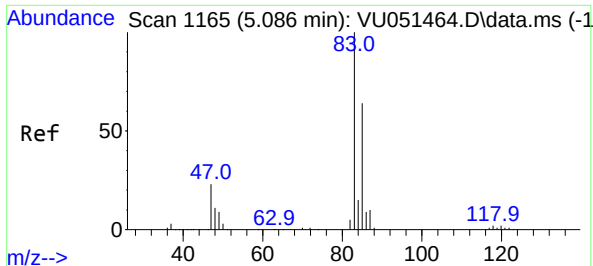
Tgt Ion: 43 Resp: 347207
Ion Ratio Lower Upper
43 100
72 30.4 15.2 45.6



#23
Bromochloromethane
Concen: 47.017 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

Tgt Ion:128 Resp: 107935
Ion Ratio Lower Upper
128 100
49 159.5 111.9 207.9
130 129.0 88.2 163.8
51 51.7 39.4 59.0





#25

Chloroform

Concen: 47.742 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051482.D

Acq: 21 Oct 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

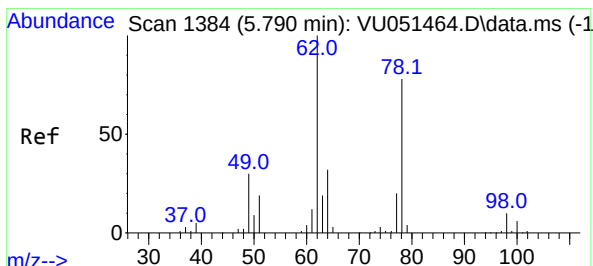
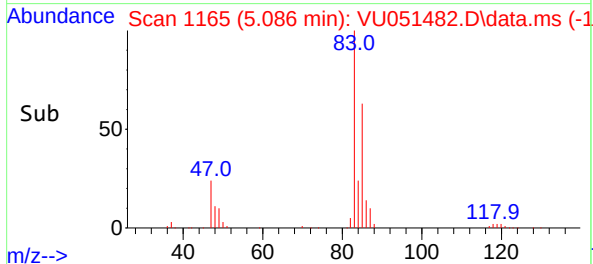
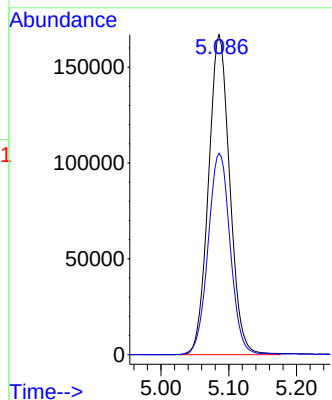
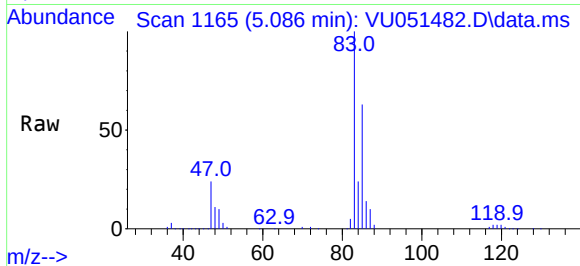
VSTD050115

Tgt Ion: 83 Resp: 364096

Ion Ratio Lower Upper

83 100

85 62.9 45.1 83.9



#27

1,2-Dichloroethane

Concen: 46.614 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU051482.D

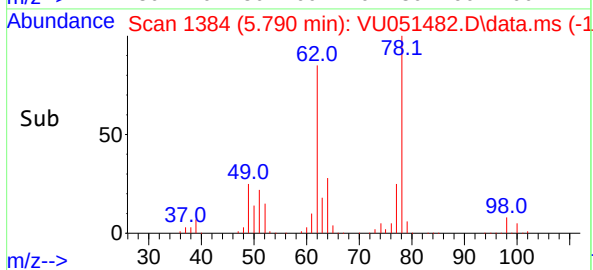
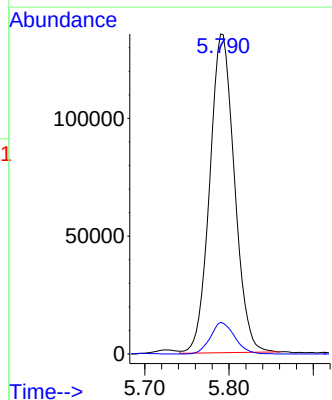
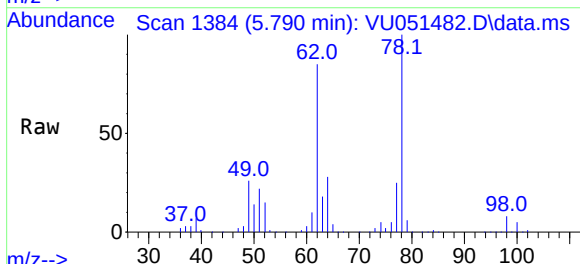
Acq: 21 Oct 2022 13:26

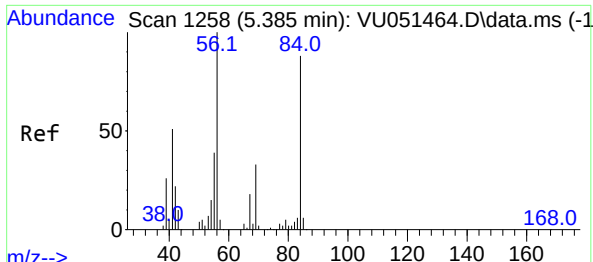
Tgt Ion: 62 Resp: 276036

Ion Ratio Lower Upper

62 100

98 9.9 8.0 12.0





#29

Cyclohexane

Concen: 50.837 ug/L

RT: 5.388 min Scan# 1258

Delta R.T. 0.003 min

Lab File: VU051482.D

Acq: 21 Oct 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD050115

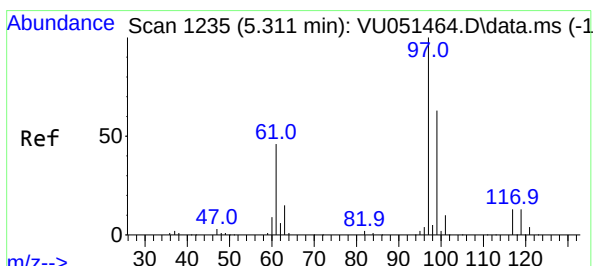
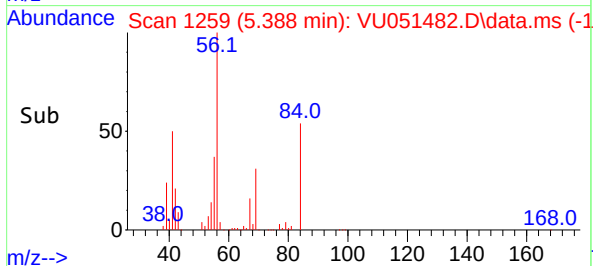
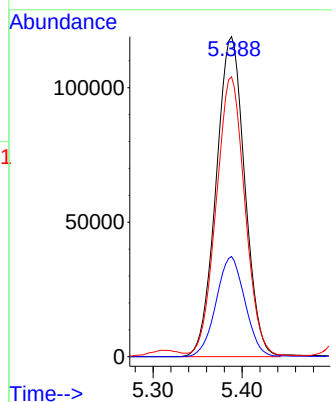
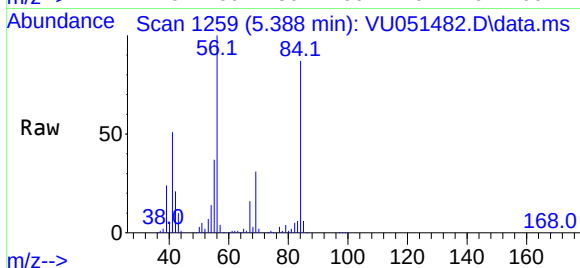
Tgt Ion: 56 Resp: 266245

Ion Ratio Lower Upper

56 100

69 31.4 25.5 38.3

84 87.7 69.8 104.6



#30

1,1,1-Trichloroethane

Concen: 46.901 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.003 min

Lab File: VU051482.D

Acq: 21 Oct 2022 13:26

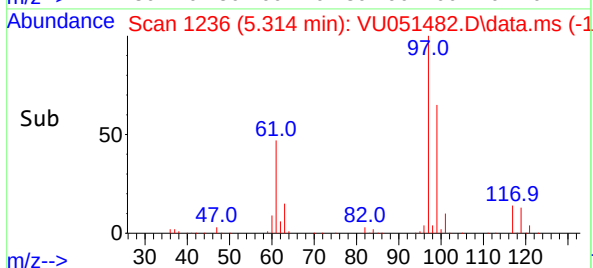
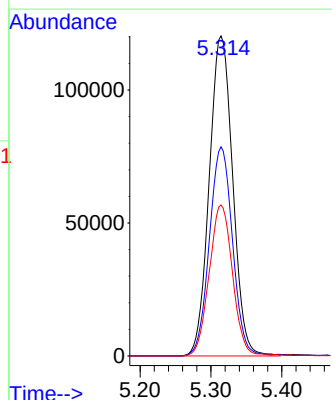
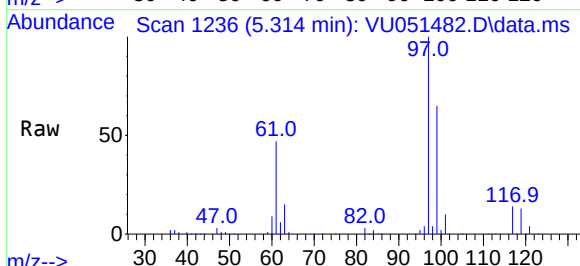
Tgt Ion: 97 Resp: 277297

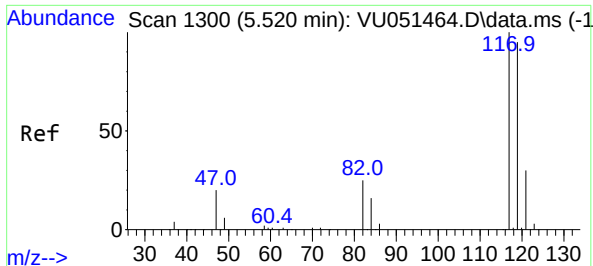
Ion Ratio Lower Upper

97 100

99 64.4 50.7 76.1

61 46.5 36.7 55.1

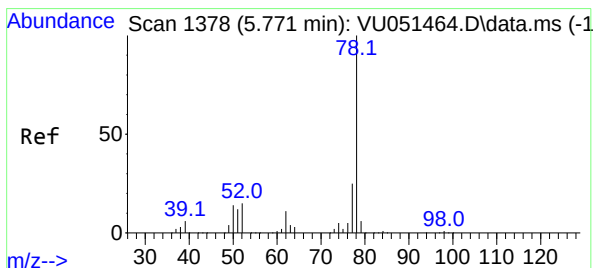
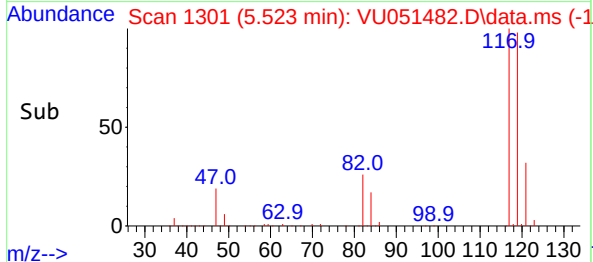
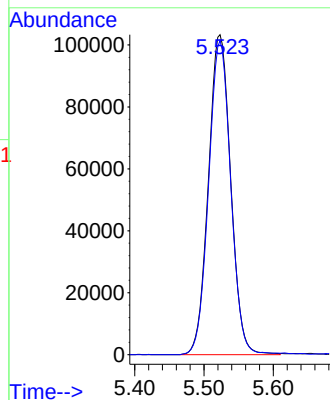
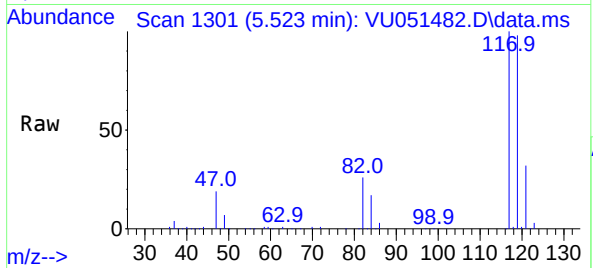




#31
Carbon tetrachloride
Concen: 46.248 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

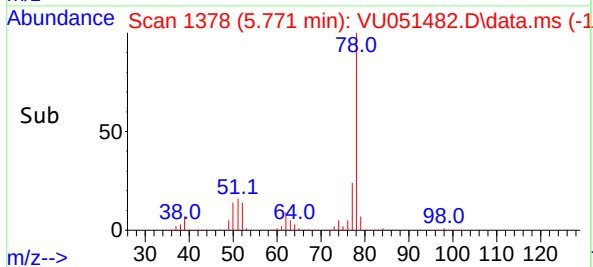
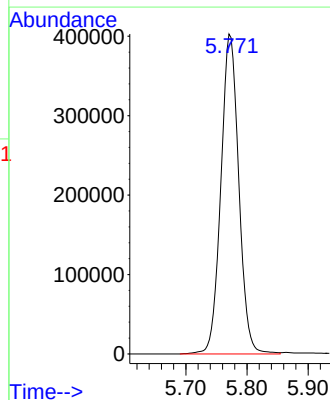
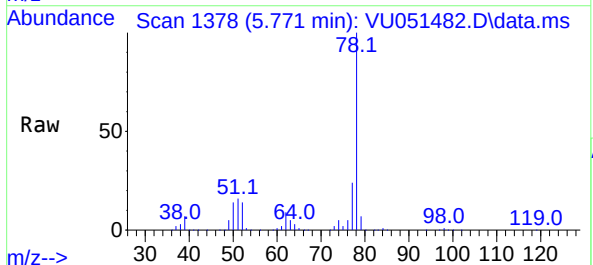
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

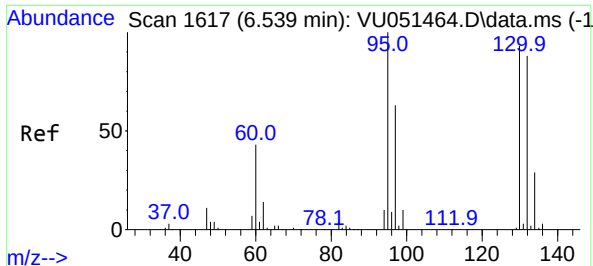
Tgt Ion:117 Resp: 230871
Ion Ratio Lower Upper
117 100
119 96.6 77.0 115.6



#33
Benzene
Concen: 50.327 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

Tgt Ion: 78 Resp: 820104

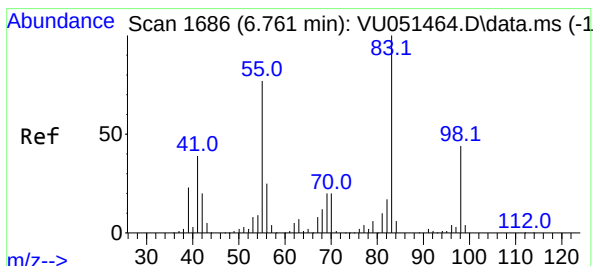
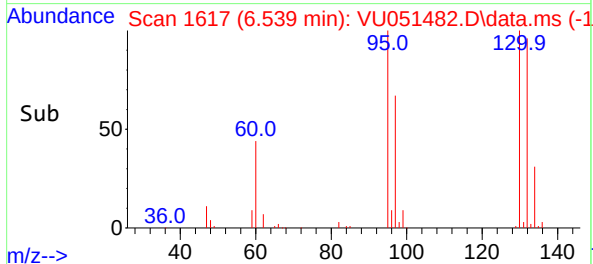
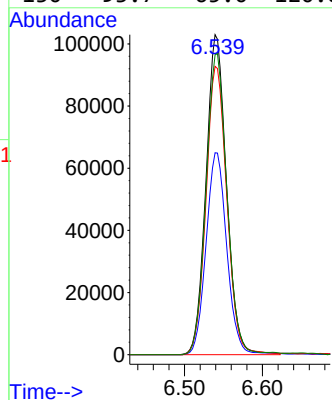
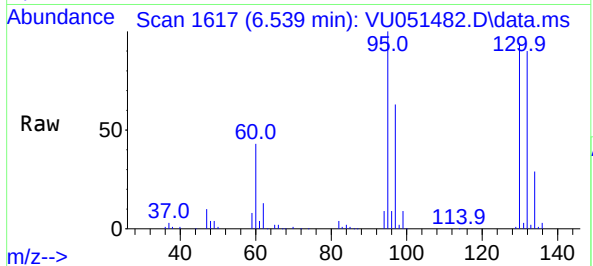




#34
Trichloroethene
Concen: 48.020 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

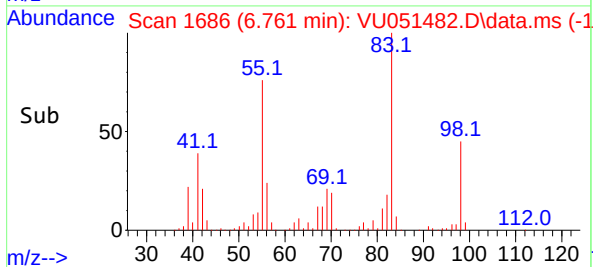
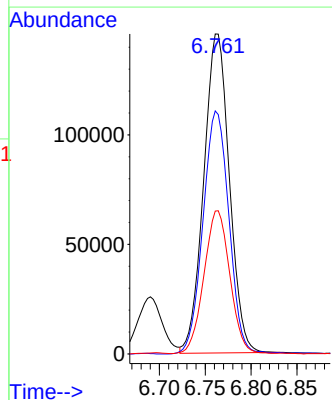
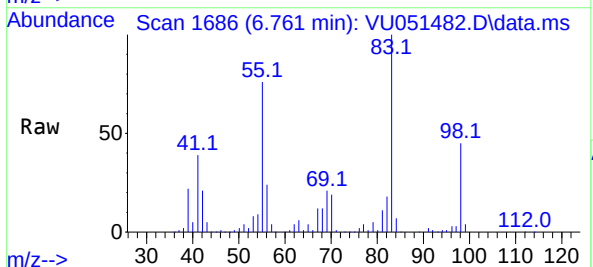
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

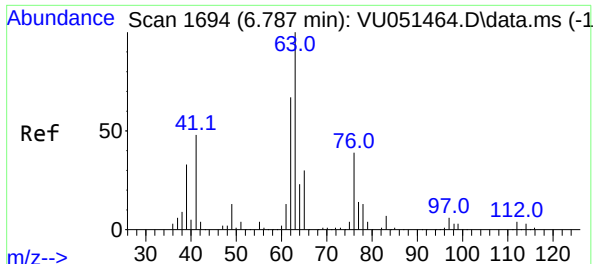
Tgt Ion: 95 Resp: 188828
Ion Ratio Lower Upper
95 100
97 63.1 43.8 81.4
132 90.1 61.9 114.9
130 93.7 65.0 120.8



#35
Methylcyclohexane
Concen: 50.383 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

Tgt Ion: 83 Resp: 283417
Ion Ratio Lower Upper
83 100
55 77.0 62.6 93.8
98 45.6 36.2 54.4

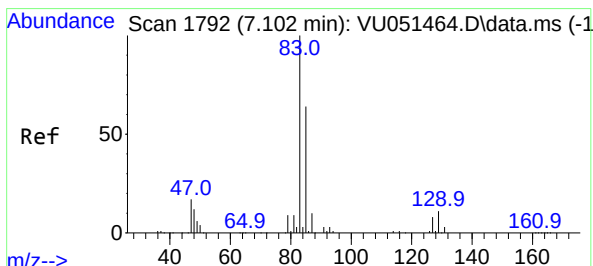
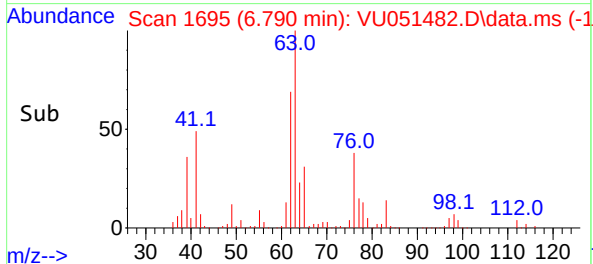
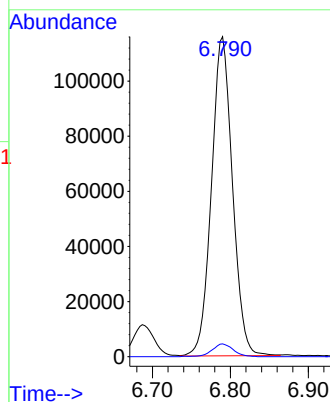
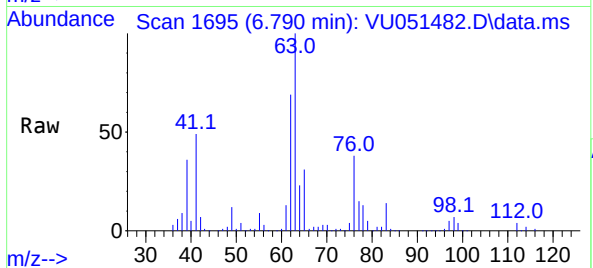




#37
1,2-Dichloropropane
Concen: 48.532 ug/L
RT: 6.790 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

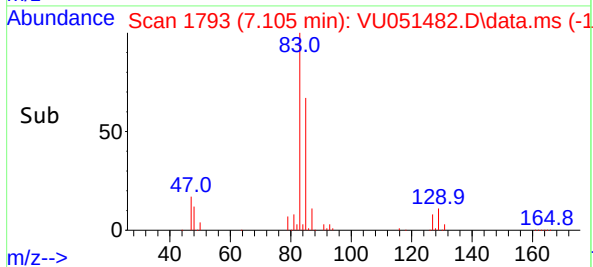
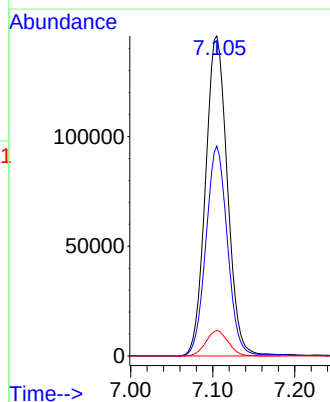
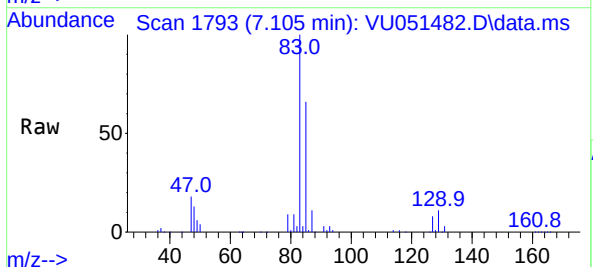
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

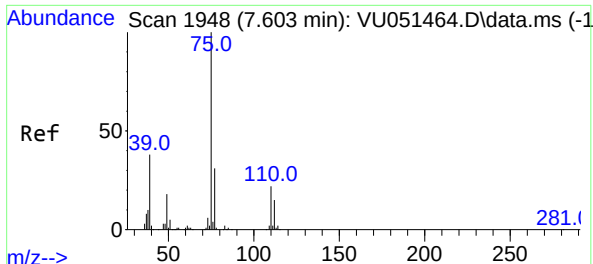
Tgt Ion: 63 Resp: 216881
Ion Ratio Lower Upper
63 100
112 4.0 3.2 4.8



#38
Bromodichloromethane
Concen: 47.513 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.003 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

Tgt Ion: 83 Resp: 270297
Ion Ratio Lower Upper
83 100
85 65.6 44.9 83.5
127 8.0 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 50.060 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU051482.D

Acq: 21 Oct 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

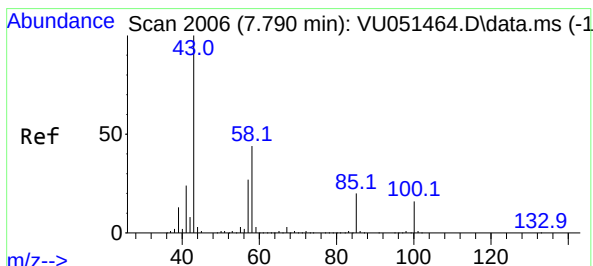
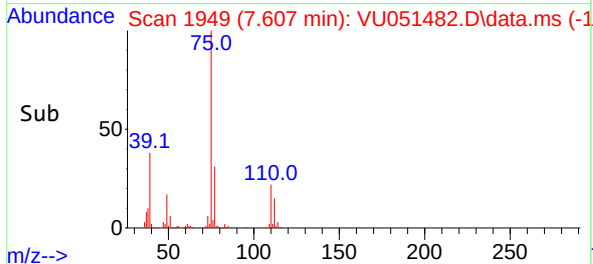
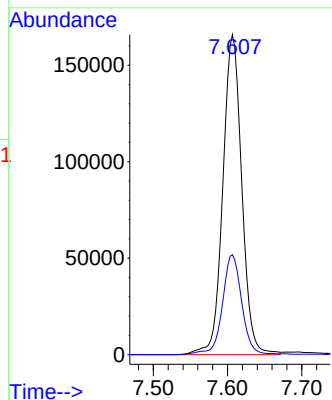
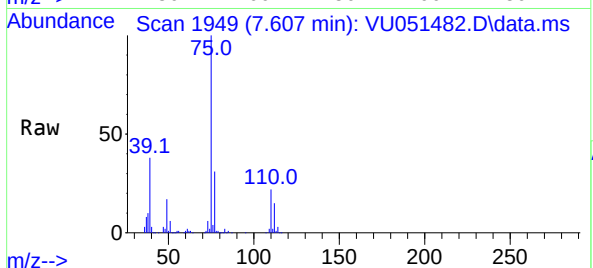
VSTD050115

Tgt Ion: 75 Resp: 294946

Ion Ratio Lower Upper

75 100

77 31.3 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 98.752 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU051482.D

Acq: 21 Oct 2022 13:26

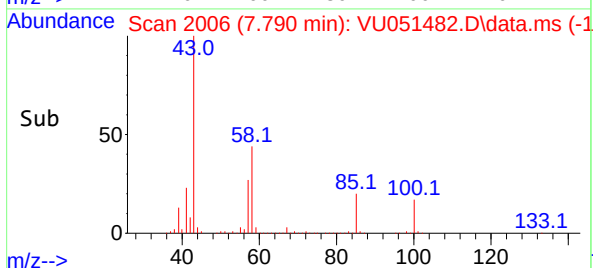
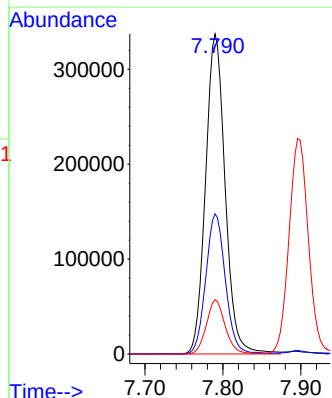
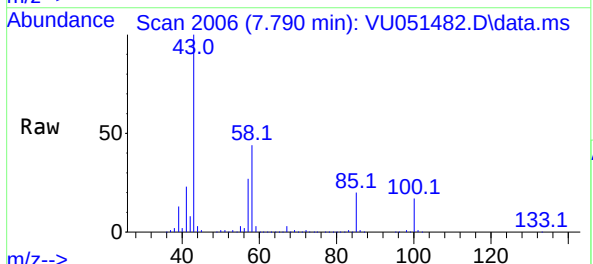
Tgt Ion: 43 Resp: 589660

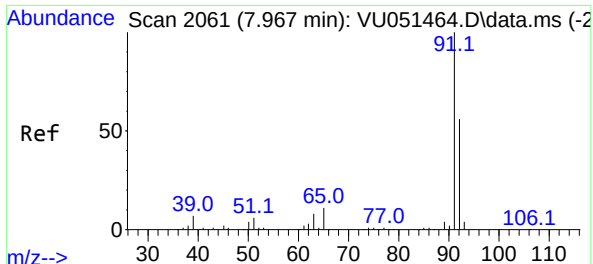
Ion Ratio Lower Upper

43 100

58 43.9 34.4 51.6

100 16.2 12.9 19.3





#42

Toluene

Concen: 51.528 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU051482.D

Acq: 21 Oct 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

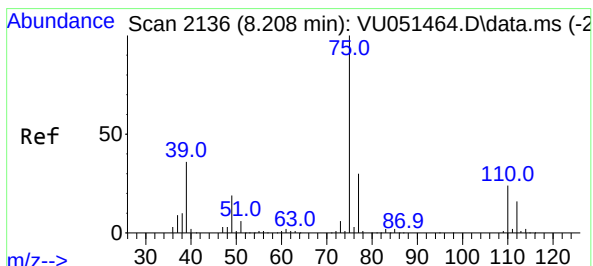
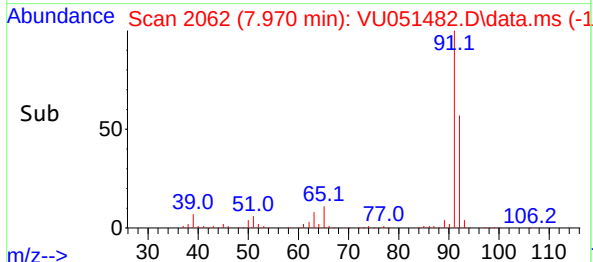
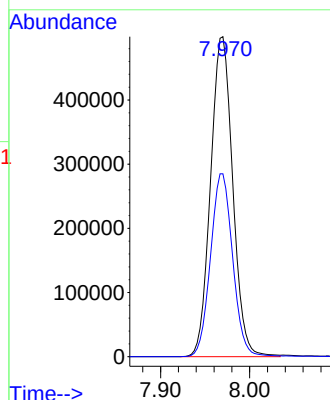
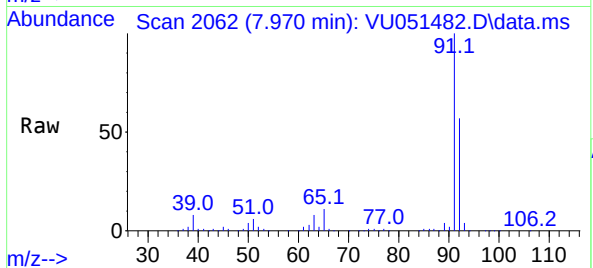
VSTD050115

Tgt Ion: 91 Resp: 861684

Ion Ratio Lower Upper

91 100

92 57.1 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 50.004 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051482.D

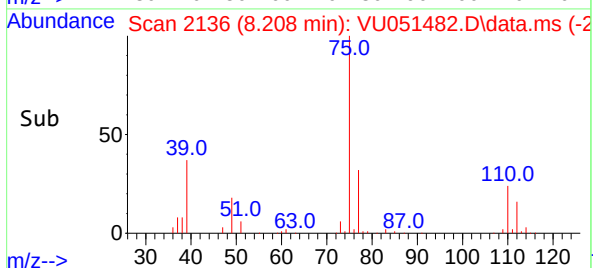
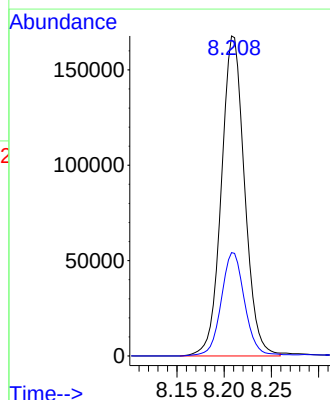
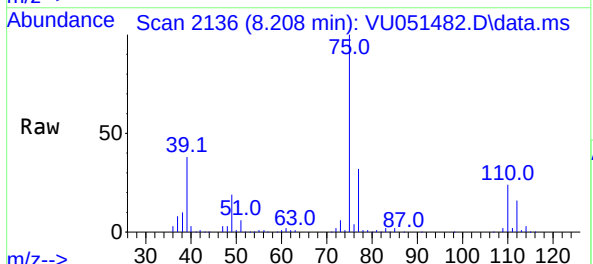
Acq: 21 Oct 2022 13:26

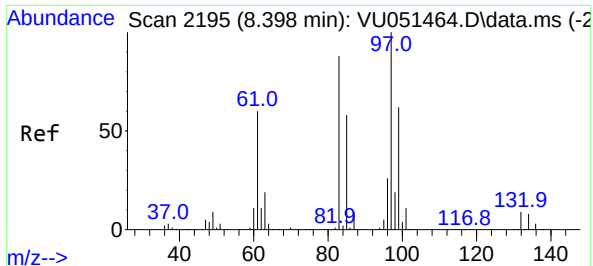
Tgt Ion: 75 Resp: 286712

Ion Ratio Lower Upper

75 100

77 32.3 21.3 39.5





#45

1,1,2-Trichloroethane

Concen: 47.296 ug/L

RT: 8.398 min Scan# 2195

Delta R.T. -0.000 min

Lab File: VU051482.D

Acq: 21 Oct 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD050115

Tgt Ion: 97 Resp: 210948

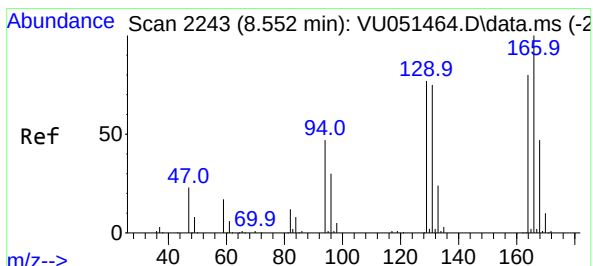
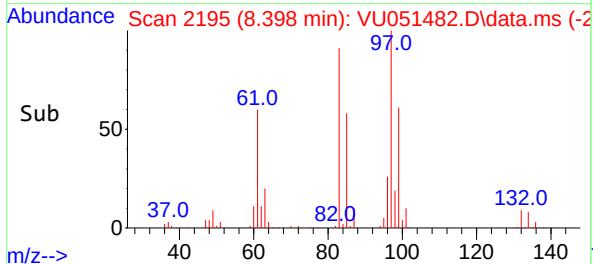
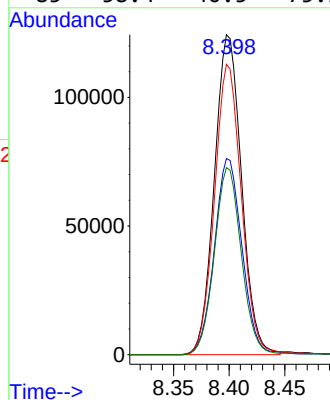
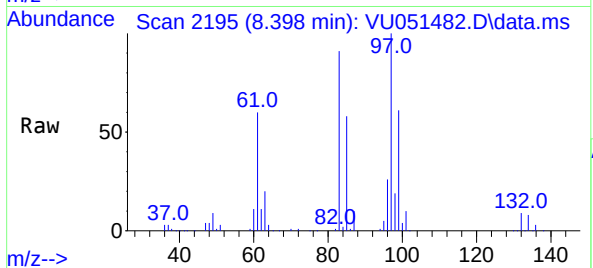
Ion Ratio Lower Upper

97 100

99 61.3 43.6 81.0

83 90.7 61.8 114.8

85 58.4 40.5 75.3



#46

Tetrachloroethene

Concen: 49.114 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU051482.D

Acq: 21 Oct 2022 13:26

Tgt Ion: 164 Resp: 144159

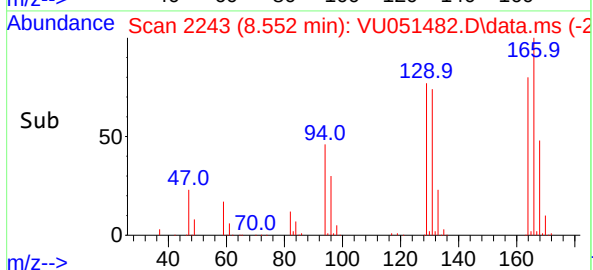
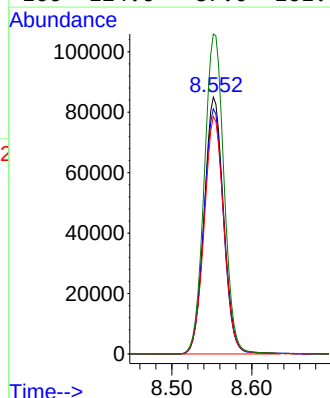
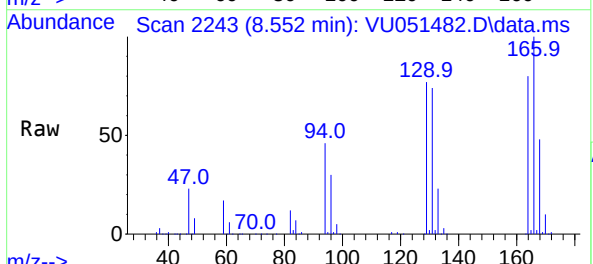
Ion Ratio Lower Upper

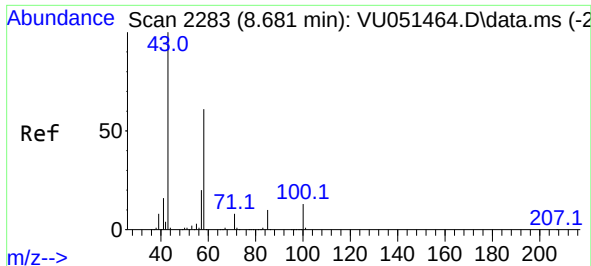
164 100

129 95.5 67.3 124.9

131 92.4 65.2 121.0

166 124.6 87.0 161.6

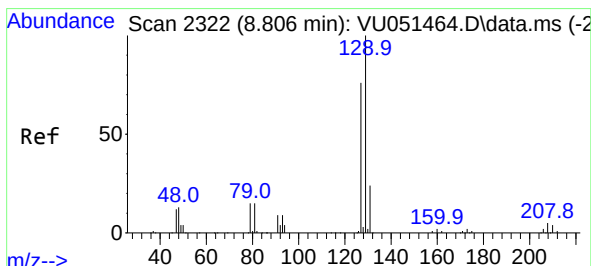
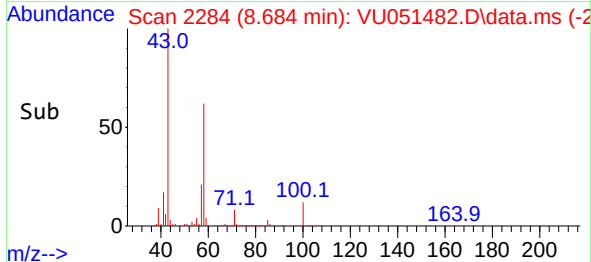
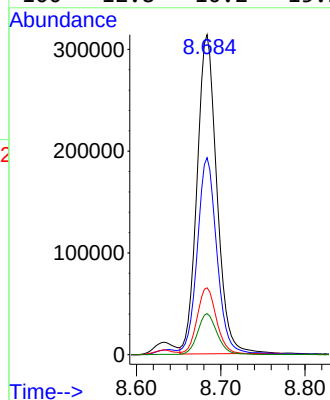
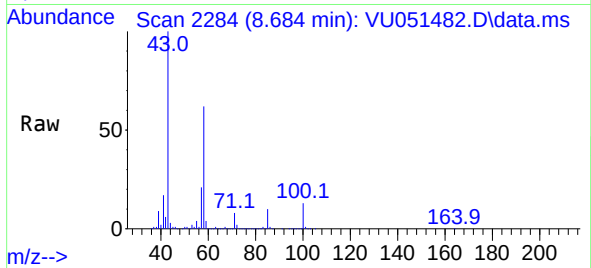




#48
2-Hexanone
Concen: 100.663 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

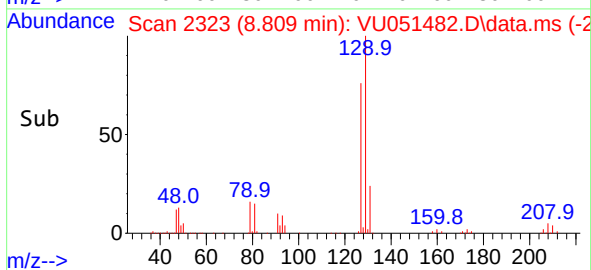
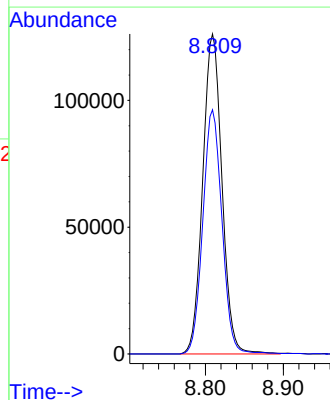
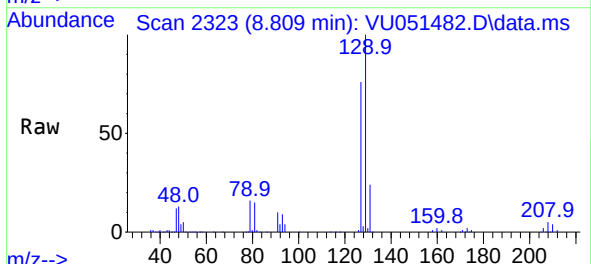
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

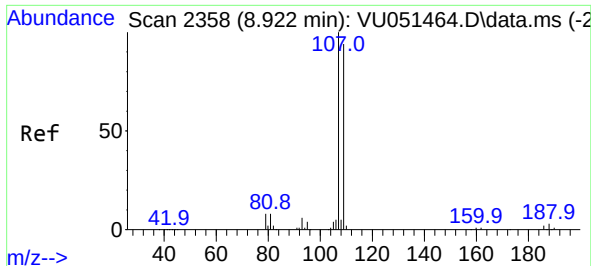
Tgt Ion: 43 Resp: 513624
Ion Ratio Lower Upper
43 100
58 61.5 48.2 72.4
57 20.6 16.4 24.6
100 12.8 10.2 15.2



#49
Dibromochloromethane
Concen: 47.433 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.003 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

Tgt Ion: 129 Resp: 216537
Ion Ratio Lower Upper
129 100
127 76.3 53.1 98.5

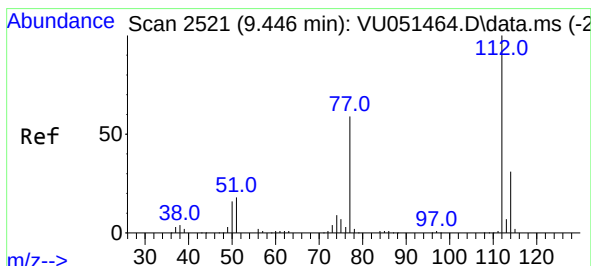
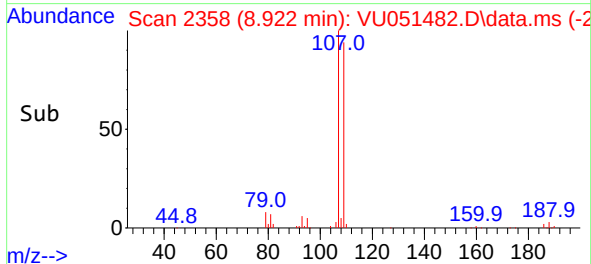
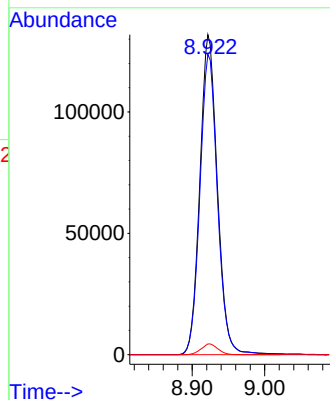
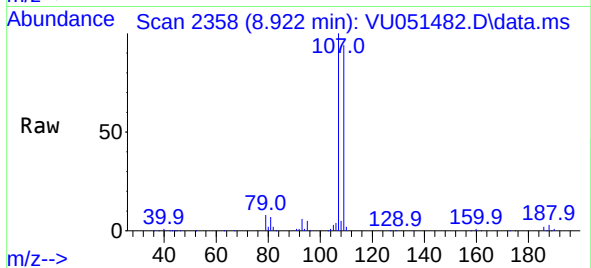




#50
1,2-Dibromoethane
Concen: 48.372 ug/L
RT: 8.922 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

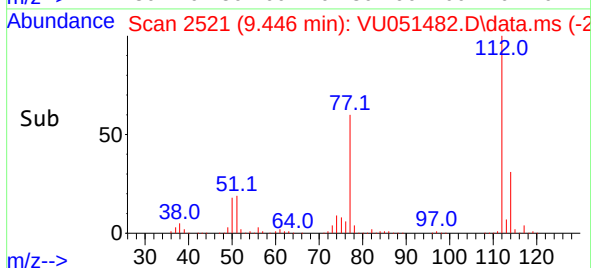
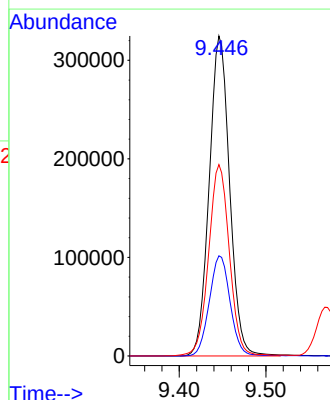
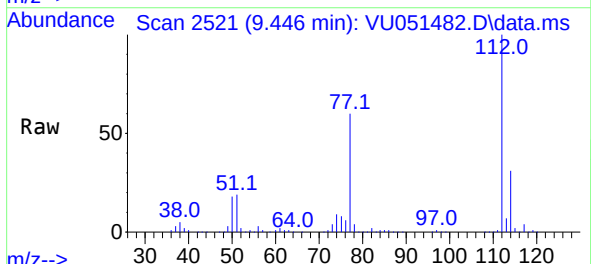
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

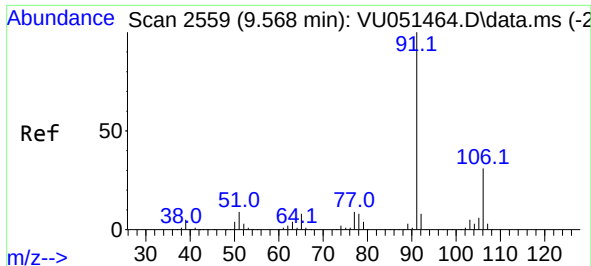
Tgt Ion:107 Resp: 221083
Ion Ratio Lower Upper
107 100
109 93.9 65.8 122.2
188 3.3 2.7 4.1



#51
Chlorobenzene
Concen: 48.537 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

Tgt Ion:112 Resp: 531514
Ion Ratio Lower Upper
112 100
114 31.3 21.9 40.7
77 59.8 47.3 70.9

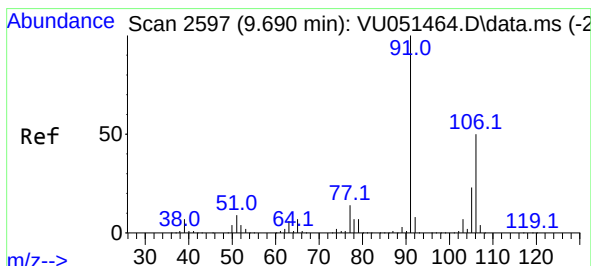
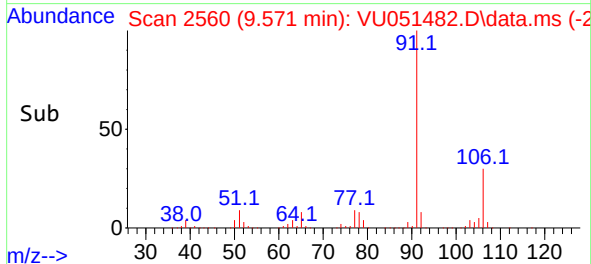
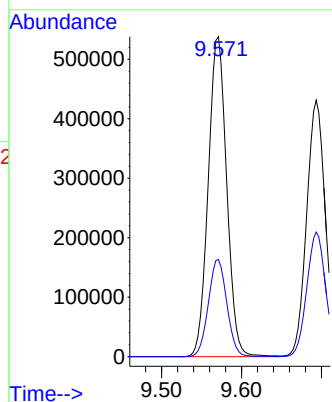
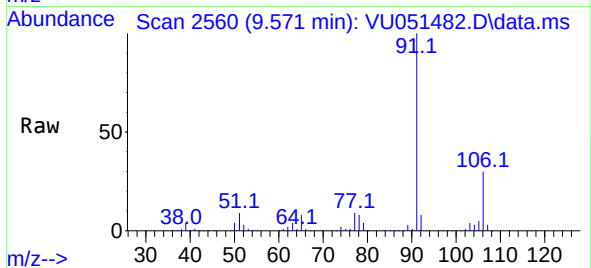




#52
Ethylbenzene
Concen: 51.290 ug/L
RT: 9.571 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

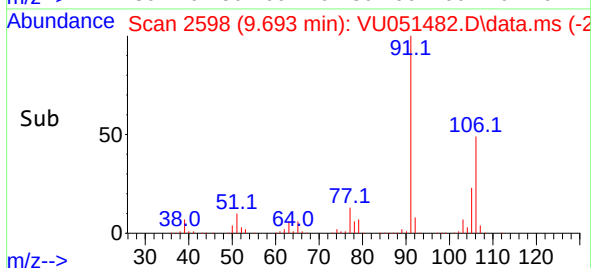
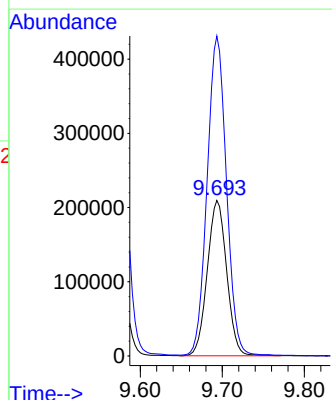
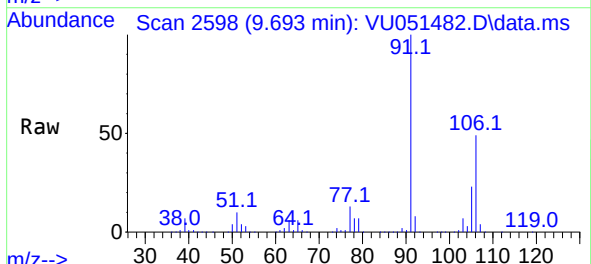
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

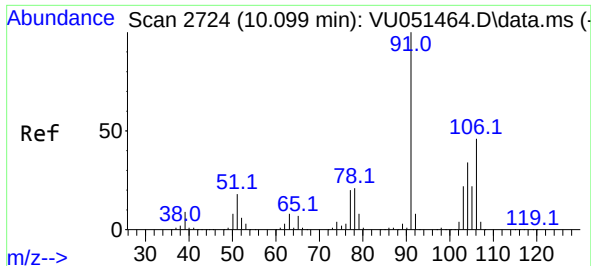
Tgt Ion: 91 Resp: 864917
Ion Ratio Lower Upper
91 100
106 30.4 21.3 39.6



#53
m,p-Xylene
Concen: 52.667 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

Tgt Ion: 106 Resp: 342336
Ion Ratio Lower Upper
106 100
91 205.7 141.3 262.3

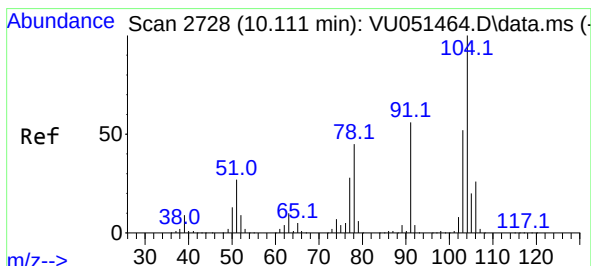
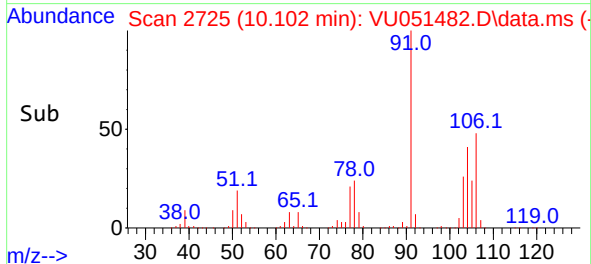
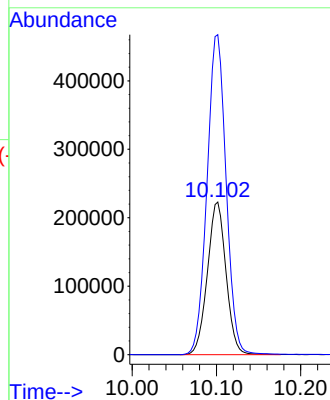
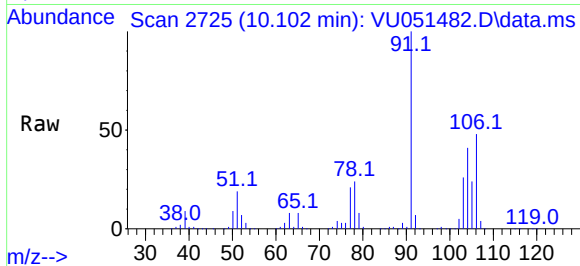




#54
o-Xylene
Concen: 53.260 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

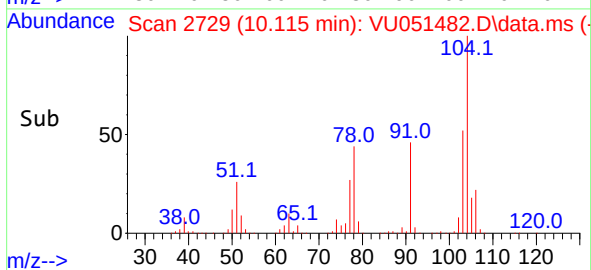
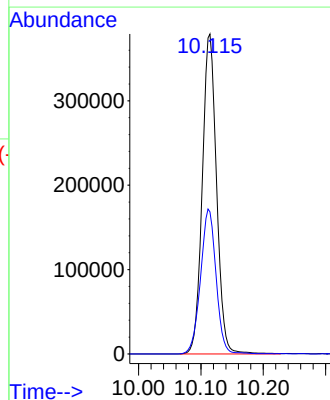
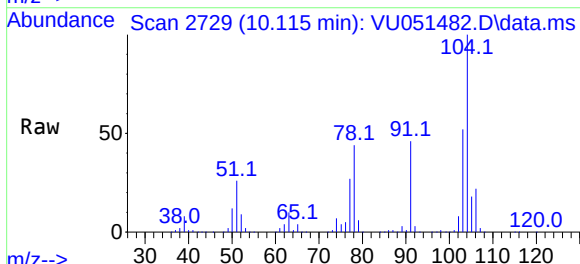
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

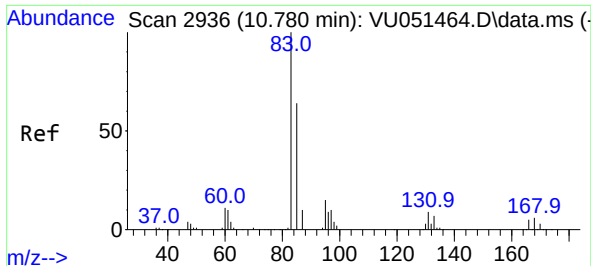
Tgt Ion:106 Resp: 343393
Ion Ratio Lower Upper
106 100
91 209.6 153.2 284.4



#55
Styrene
Concen: 53.922 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

Tgt Ion:104 Resp: 604138
Ion Ratio Lower Upper
104 100
78 44.4 31.8 59.0

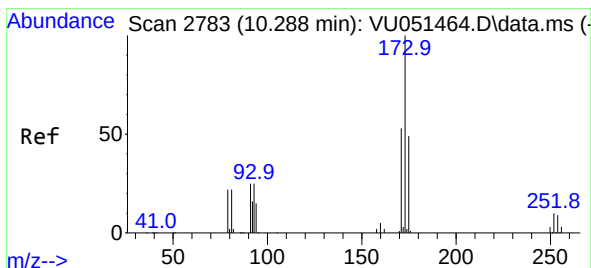
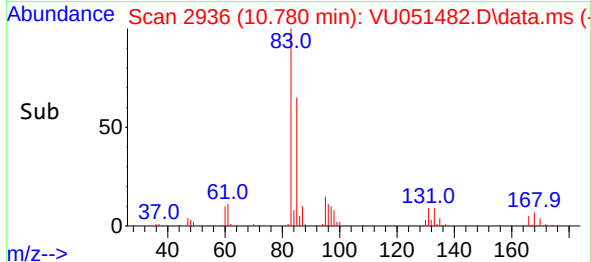
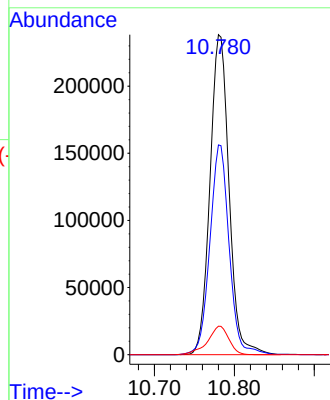
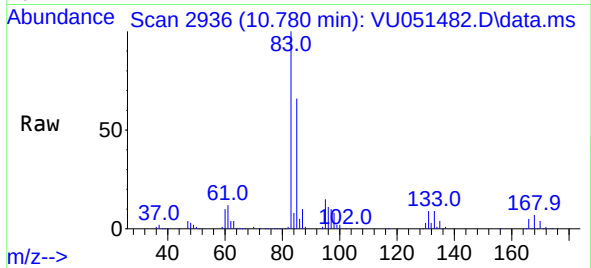




#57
1,1,2,2-Tetrachloroethane
Concen: 46.357 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

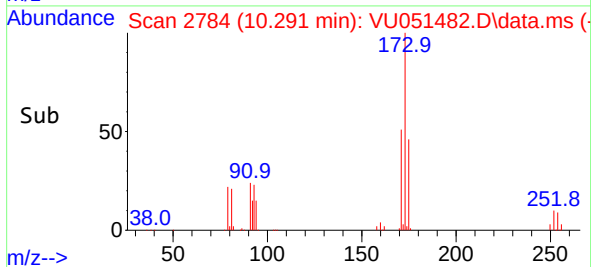
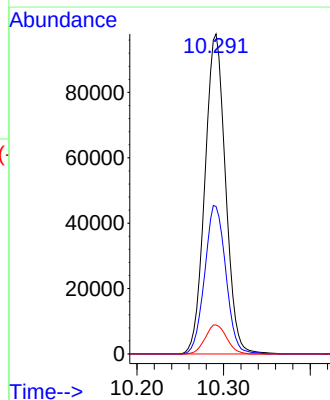
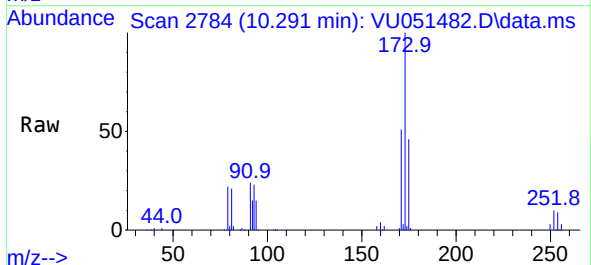
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

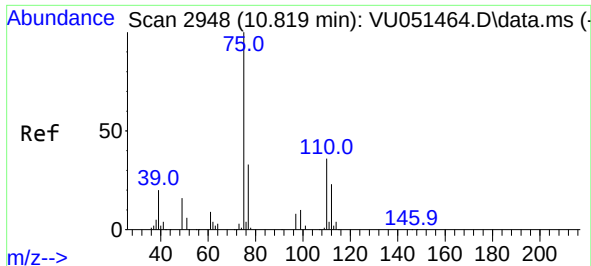
Tgt Ion: 83 Resp: 394528
Ion Ratio Lower Upper
83 100
85 65.6 44.9 83.5
131 8.9 7.4 11.2



#59
Bromoform
Concen: 45.379 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. 0.003 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

Tgt Ion:173 Resp: 161982
Ion Ratio Lower Upper
173 100
175 47.5 38.4 57.6
254 9.4 7.8 11.6

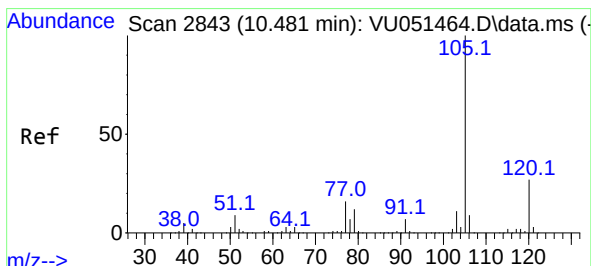
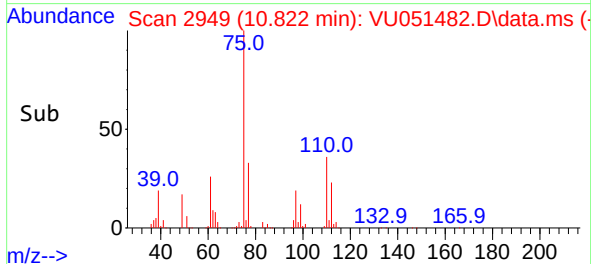
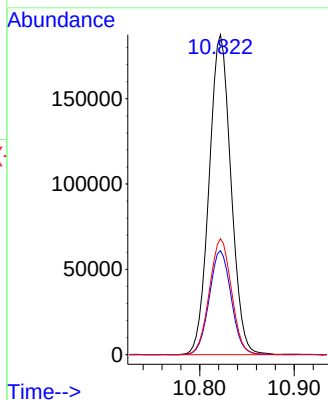
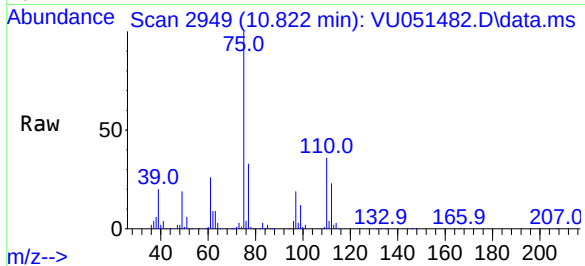




#60
1,2,3-Trichloropropane
Concen: 45.399 ug/L
RT: 10.822 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

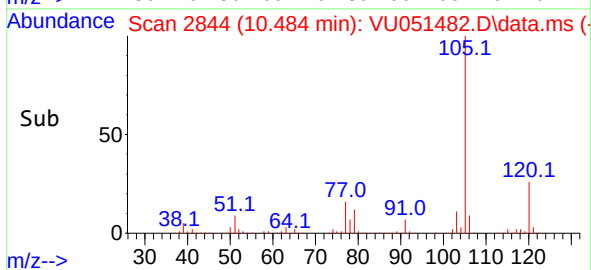
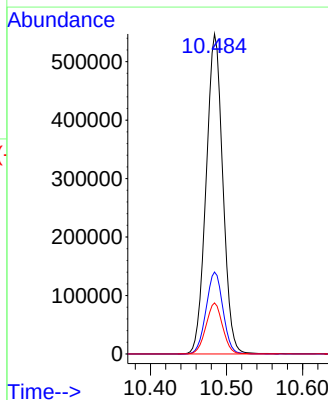
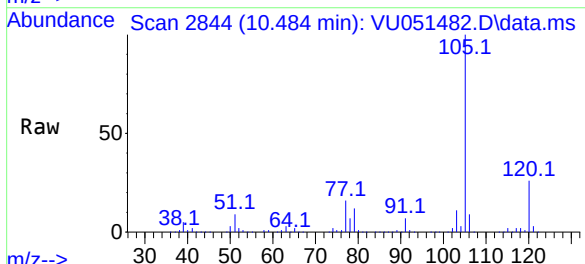
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

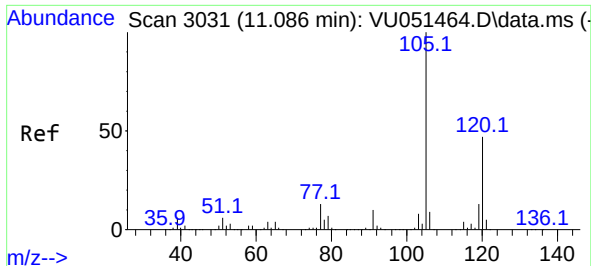
Tgt Ion: 75 Resp: 301535
Ion Ratio Lower Upper
75 100
77 32.6 26.1 39.1
110 36.6 28.7 43.1



#61
Isopropylbenzene
Concen: 51.857 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

Tgt Ion: 105 Resp: 834642
Ion Ratio Lower Upper
105 100
120 25.9 21.1 31.7
77 16.0 12.6 19.0





#62

1,3,5-Trimethylbenzene

Concen: 52.690 ug/L

RT: 11.089 min Scan# 3031

Delta R.T. 0.003 min

Lab File: VU051482.D

Acq: 21 Oct 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

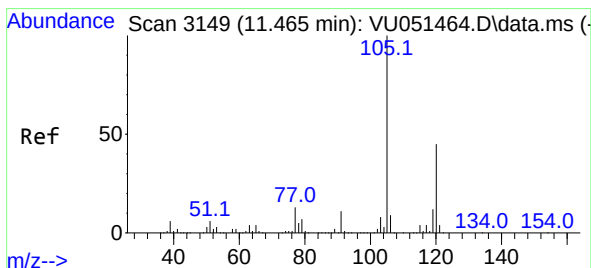
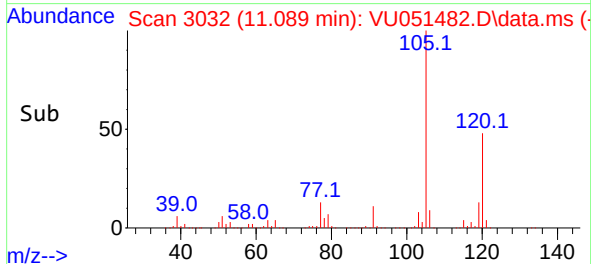
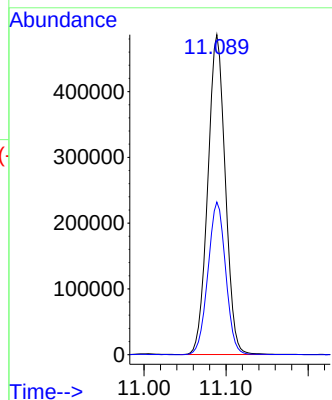
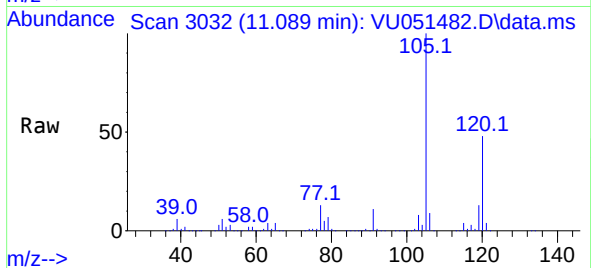
VSTD050115

Tgt Ion:105 Resp: 720396

Ion Ratio Lower Upper

105 100

120 48.4 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 53.747 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.003 min

Lab File: VU051482.D

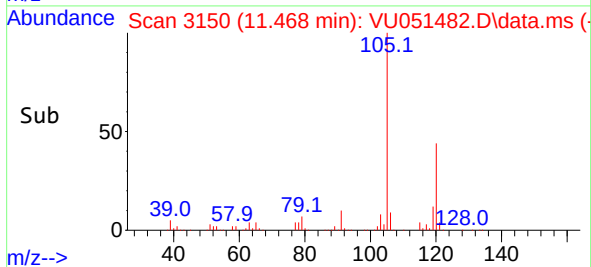
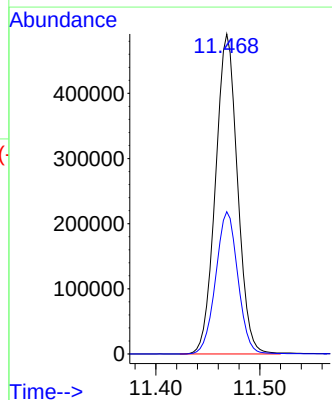
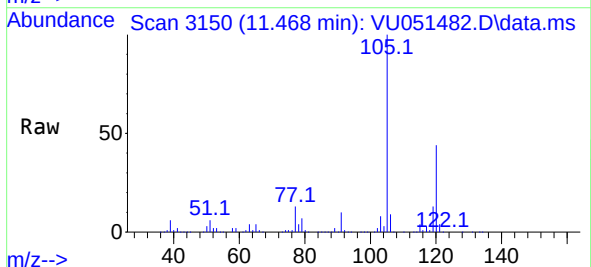
Acq: 21 Oct 2022 13:26

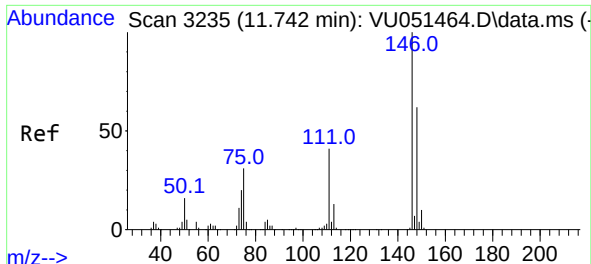
Tgt Ion:105 Resp: 723573

Ion Ratio Lower Upper

105 100

120 44.8 35.4 53.0

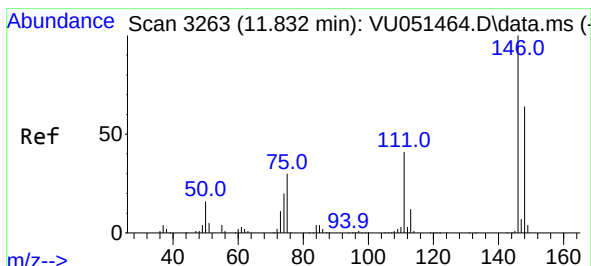
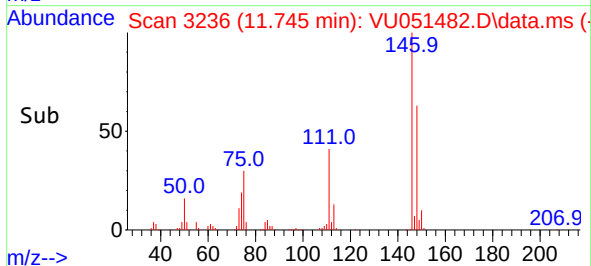
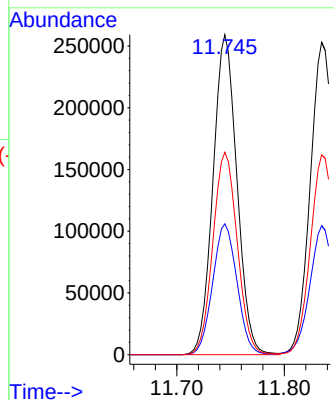
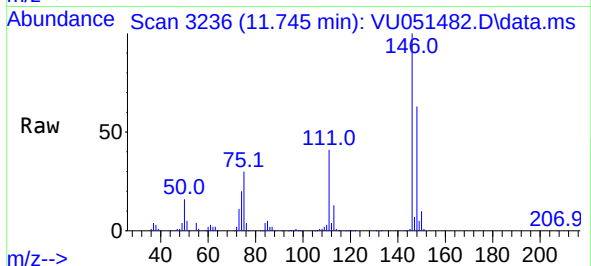




#64
1,3-Dichlorobenzene
Concen: 48.765 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

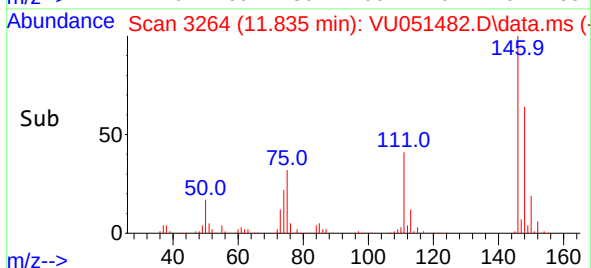
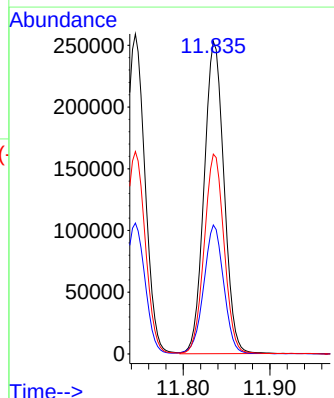
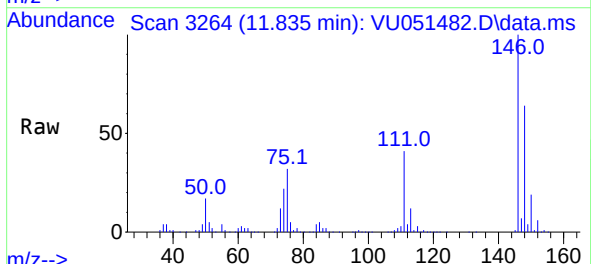
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

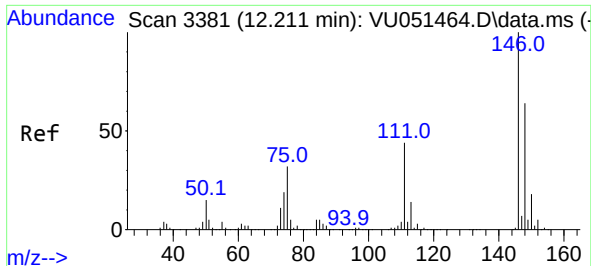
Tgt Ion:146 Resp: 400639
Ion Ratio Lower Upper
146 100
111 40.9 28.7 53.3
148 63.2 43.2 80.2



#65
1,4-Dichlorobenzene
Concen: 47.717 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

Tgt Ion:146 Resp: 403160
Ion Ratio Lower Upper
146 100
111 41.3 28.9 53.7
148 64.0 44.6 82.8

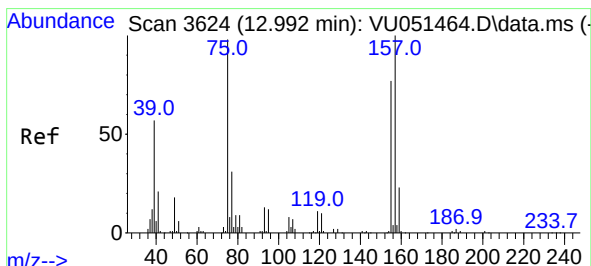
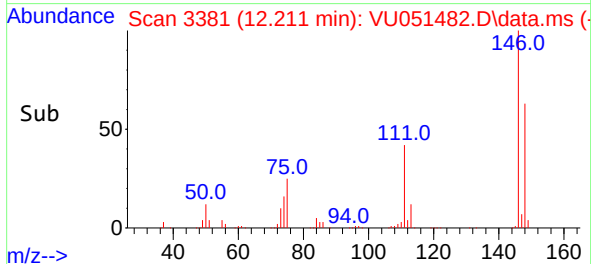
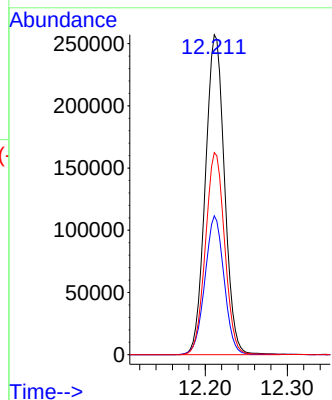
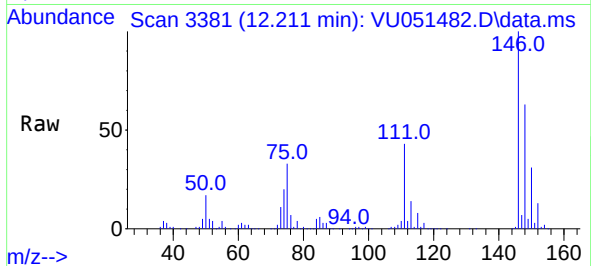




#67
1,2-Dichlorobenzene
Concen: 48.741 ug/L
RT: 12.211 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

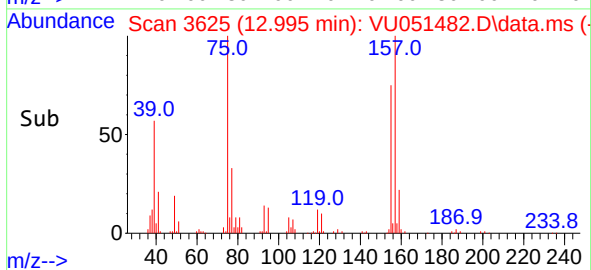
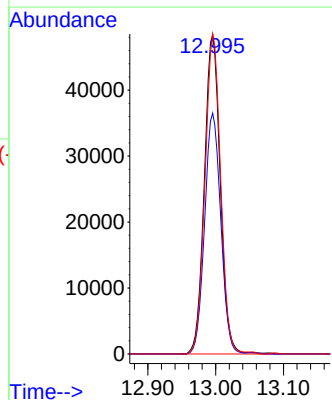
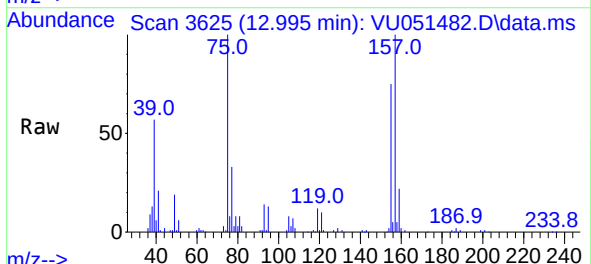
Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

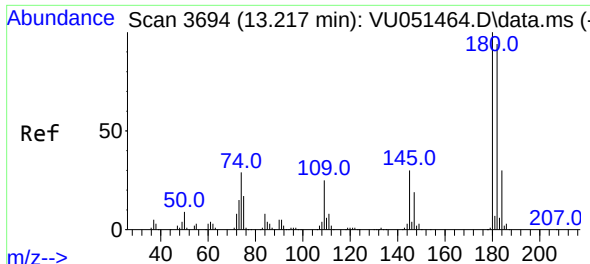
Tgt Ion:146 Resp: 417131
Ion Ratio Lower Upper
146 100
111 43.4 35.3 52.9
148 63.2 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 43.943 ug/L
RT: 12.995 min Scan# 3625
Delta R.T. 0.003 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

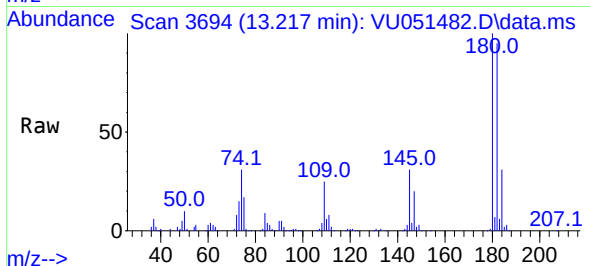
Tgt Ion: 75 Resp: 78774
Ion Ratio Lower Upper
75 100
155 75.3 62.5 93.7
157 100.1 81.6 122.4



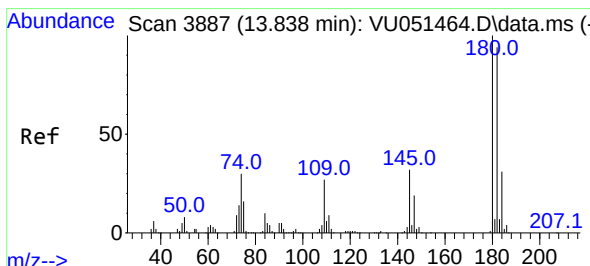
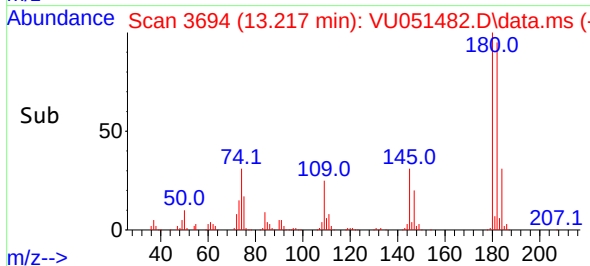
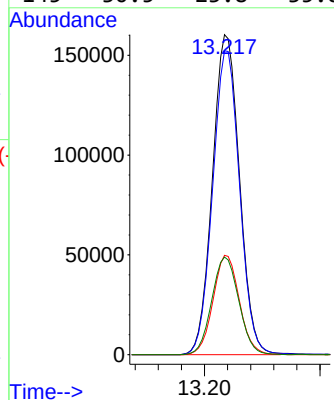


#69
 1,3,5-Trichlorobenzene
 Concen: 47.204 ug/L
 RT: 13.217 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: VU051482.D
 Acq: 21 Oct 2022 13:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050115

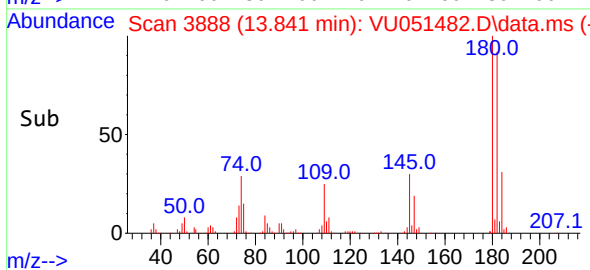
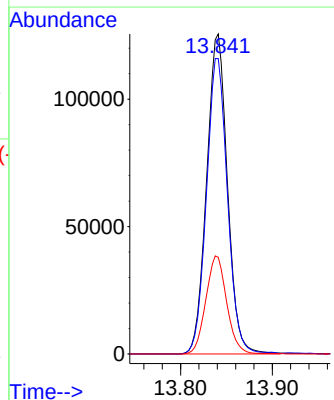
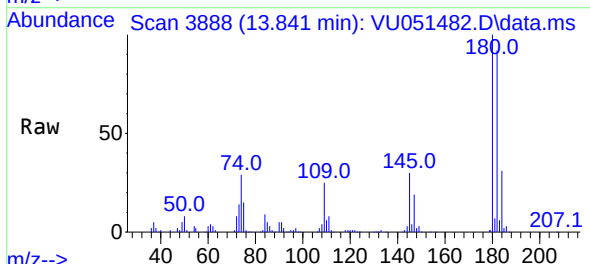


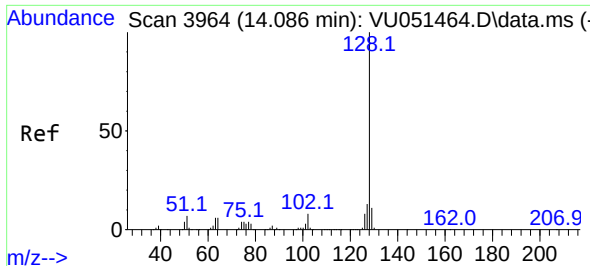
Tgt Ion:180 Resp: 260159
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.6 113.4
 184 30.3 23.9 35.9
 145 30.5 23.8 35.8



#70
 1,2,4-trichlorobenzene
 Concen: 46.641 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU051482.D
 Acq: 21 Oct 2022 13:26

Tgt Ion:180 Resp: 197907
 Ion Ratio Lower Upper
 180 100
 182 93.2 76.2 114.4
 145 30.7 25.0 37.6



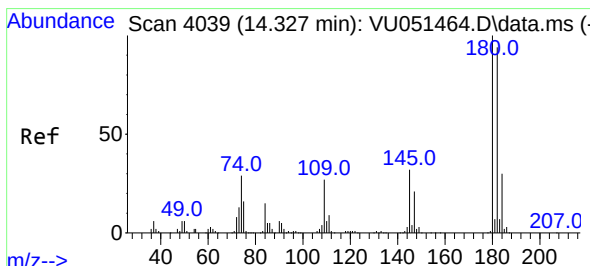
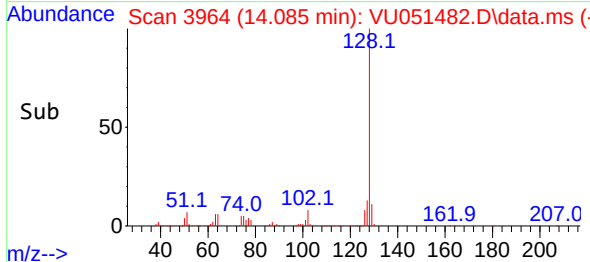
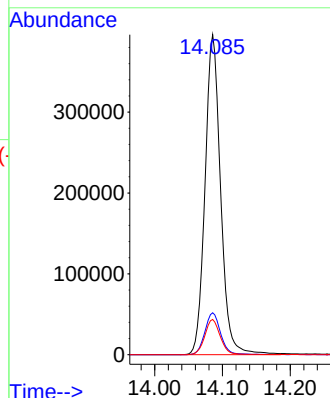
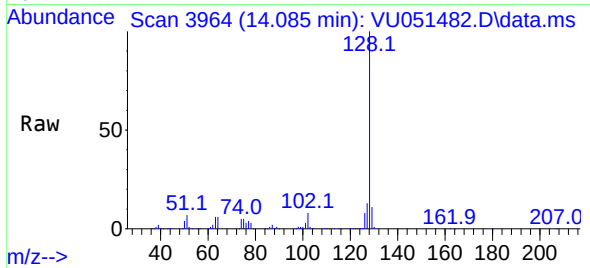


#71
Naphthalene
Concen: 46.575 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD050115

Tgt Ion:128 Resp: 632537

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 49.456 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU051482.D
Acq: 21 Oct 2022 13:26

Tgt Ion:180 Resp: 225266

Ion	Ratio	Lower	Upper
180	100		
182	93.2	75.4	113.2
145	31.7	25.3	37.9

