

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071923\
 Data File : VU054815.D
 Acq On : 19 Jul 2023 11:51
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050106

Quant Time: Jul 20 02:30:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 19 02:47:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	248871	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	244502	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	137332	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	71727	37.290	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.580%
7) Chloroethane-d5	1.888	69	71181	36.993	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.980%
11) 1,1-Dichloroethene-d2	2.560	63	114659	41.555	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.120%
21) 2-Butanone-d5	4.618	46	111346	90.058	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.060%
24) Chloroform-d	5.055	84	136039	45.434	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.860%
26) 1,2-Dichloroethane-d4	5.695	65	82316	45.910	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.820%
32) Benzene-d6	5.721	84	254042	43.619	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.240%
36) 1,2-Dichloropropane-d6	6.685	67	89055	45.411	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.820%
41) Toluene-d8	7.894	98	247305	44.560	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.120%
43) trans-1,3-Dichloroprop...	8.174	79	43387	43.248	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.500%
47) 2-Hexanone-d5	8.630	63	83436	90.005	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.000%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	163414	45.367	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.740%
66) 1,2-Dichlorobenzene-d4	12.190	152	110643	46.885	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	90788	48.270	ug/L	100
3) Chloromethane	1.518	50	97002	45.223	ug/L	99
5) Vinyl chloride	1.602	62	130053	46.633	ug/L	100
6) Bromomethane	1.827	94	89441	52.692	ug/L	96
8) Chloroethane	1.911	64	82108	42.559	ug/L	95
9) Trichlorofluoromethane	2.123	101	200879	45.002	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	81362	49.410	ug/L	98
12) 1,1-Dichloroethene	2.570	96	74961	48.408	ug/L	94
13) Acetone	2.621	43	85738	82.447	ug/L	99
14) Carbon disulfide	2.785	76	213074	47.123	ug/L	100
15) Methyl Acetate	2.939	43	79471	45.816	ug/L	99
16) Methylene chloride	3.039	84	86881	46.477	ug/L	96
17) trans-1,2-Dichloroethene	3.345	96	76336	47.626	ug/L	98
18) Methyl tert-butyl Ether	3.357	73	265869	47.931	ug/L	99
19) 1,1-Dichloroethane	3.859	63	150304	49.145	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	91195	47.870	ug/L	97
22) 2-Butanone	4.695	43	123154	85.780	ug/L	100
23) Bromochloromethane	4.968	128	47095	48.593	ug/L	95
25) Chloroform	5.081	83	154910	48.302	ug/L	97

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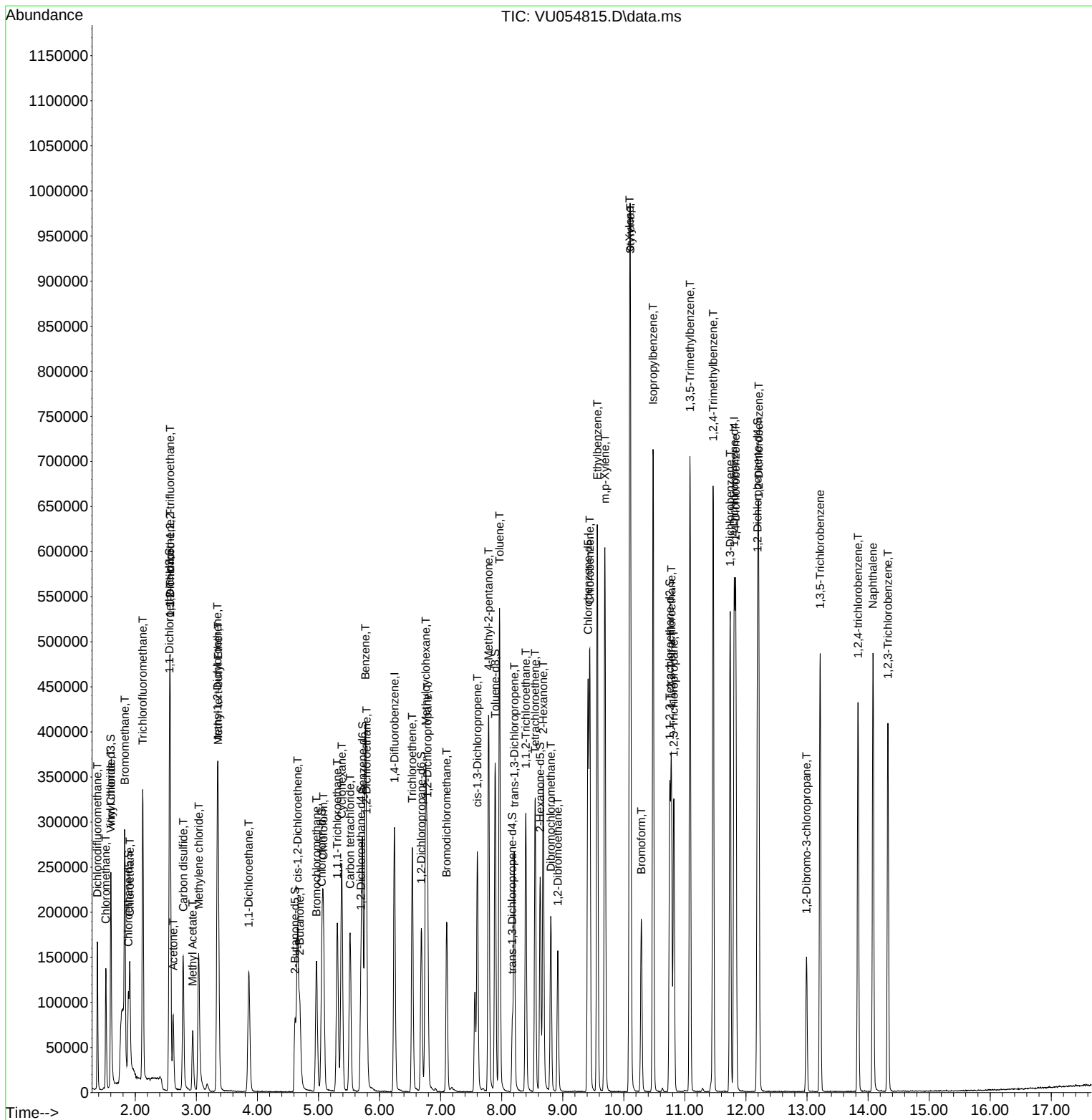
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050106

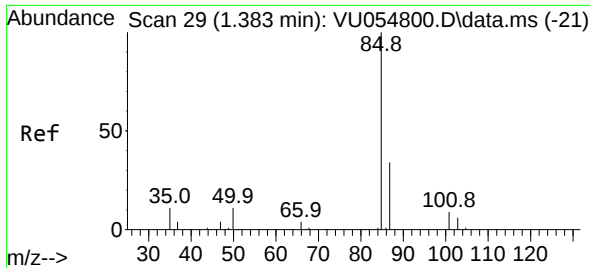
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	118109	48.494	ug/L	98
29) Cyclohexane	5.380	56	130091	48.388	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	136841	50.431	ug/L	98
31) Carbon tetrachloride	5.518	117	117197	50.014	ug/L	98
33) Benzene	5.769	78	342028	48.824	ug/L	100
34) Trichloroethene	6.537	95	88079	49.394	ug/L	96
35) Methylcyclohexane	6.756	83	147100	50.477	ug/L	99
37) 1,2-Dichloropropane	6.785	63	93605	48.585	ug/L #	95
38) Bromodichloromethane	7.100	83	120630	48.802	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	154123	48.503	ug/L	94
40) 4-Methyl-2-pentanone	7.785	43	266811	90.442	ug/L	99
42) Toluene	7.965	91	390382	49.800	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	147088	49.269	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	95462	48.599	ug/L	99
46) Tetrachloroethene	8.550	164	70543	51.601	ug/L	97
48) 2-Hexanone	8.679	43	216276	88.495	ug/L	100
49) Dibromochloromethane	8.804	129	99636	49.246	ug/L	99
50) 1,2-Dibromoethane	8.920	107	99636	47.125	ug/L	92
51) Chlorobenzene	9.444	112	249348	48.894	ug/L	99
52) Ethylbenzene	9.566	91	445621	49.169	ug/L	96
53) m,p-Xylene	9.692	106	174354	50.529	ug/L	97
54) o-Xylene	10.097	106	171541	48.936	ug/L	94
55) Styrene	10.110	104	292669	47.938	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	176644	45.549	ug/L	99
59) Bromoform	10.286	173	85748	49.918	ug/L #	98
60) 1,2,3-Trichloropropane	10.817	75	127883	47.723	ug/L	99
61) Isopropylbenzene	10.479	105	462729	50.996	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	379556	50.792	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	367064	49.556	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	211436	50.243	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	211508	49.900	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	211187	49.957	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.990	75	32990	46.062	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	145449	51.560	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	124846	51.264	ug/L	100
71) Naphthalene	14.080	128	385900	48.278	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	119392	50.343	ug/L	99

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

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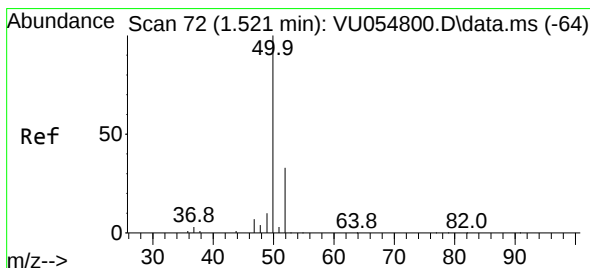
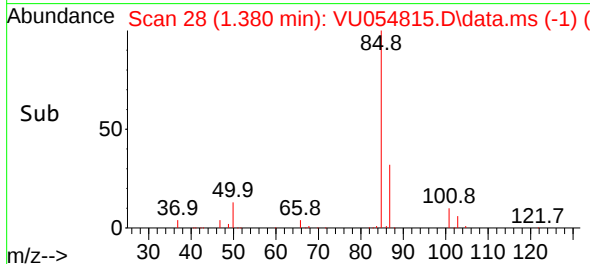
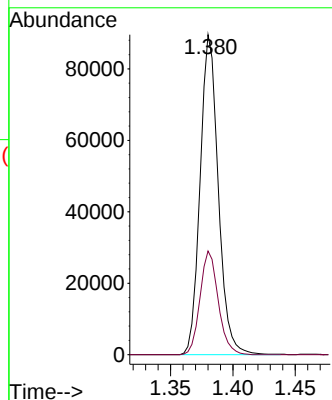
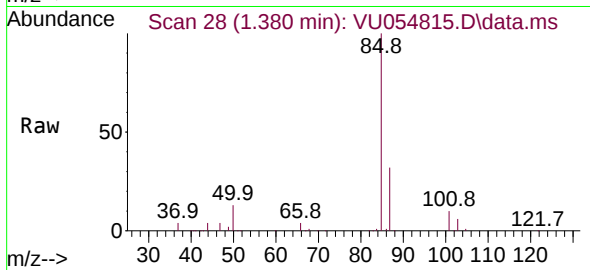




#2
 Dichlorodifluoromethane
 Concen: 48.270 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU054815.D
 Acq: 19 Jul 2023 11:51

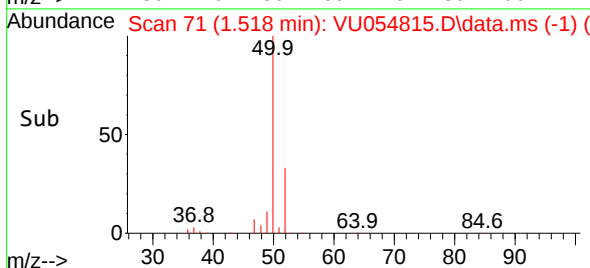
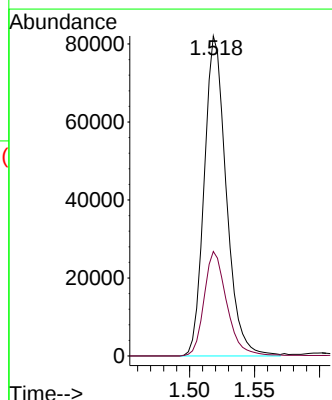
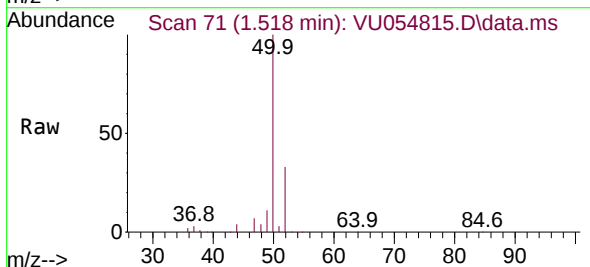
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050106

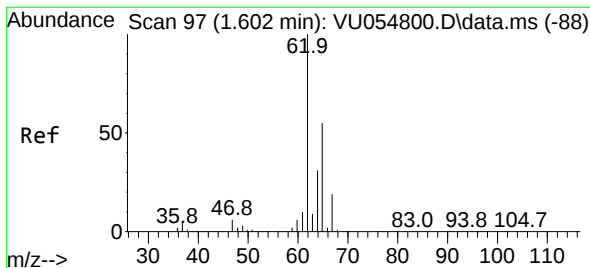
Tgt Ion: 85 Resp: 90788
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.2 39.2



#3
 Chloromethane
 Concen: 45.223 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VU054815.D
 Acq: 19 Jul 2023 11:51

Tgt Ion: 50 Resp: 97002
 Ion Ratio Lower Upper
 50 100
 52 32.6 22.5 41.9





#5

Vinyl chloride

Concen: 46.633 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

Instrument :

MSVOA_U

ClientSampleId :

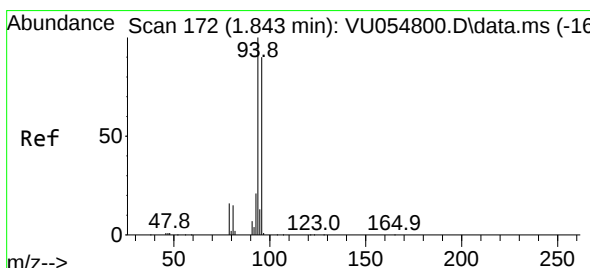
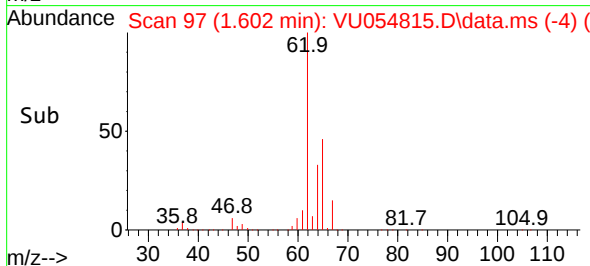
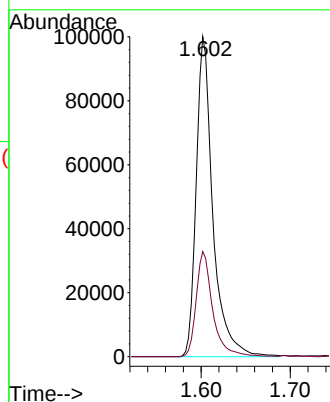
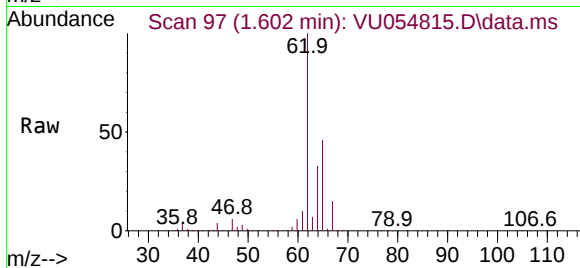
VSTD050106

Tgt Ion: 62 Resp: 130053

Ion Ratio Lower Upper

62 100

64 32.8 22.9 42.5



#6

Bromomethane

Concen: 52.692 ug/L

RT: 1.827 min Scan# 167

Delta R.T. -0.016 min

Lab File: VU054815.D

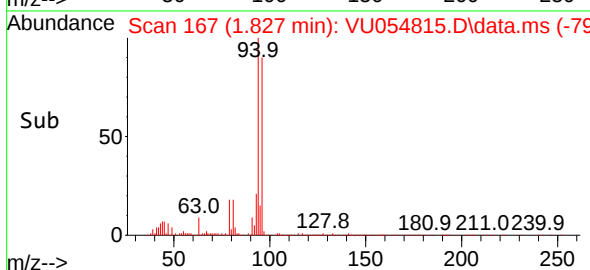
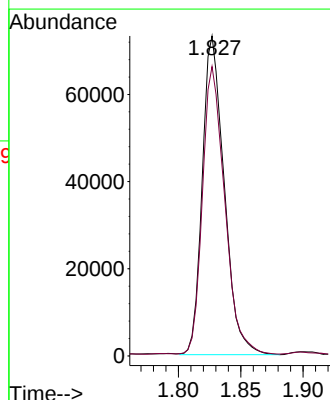
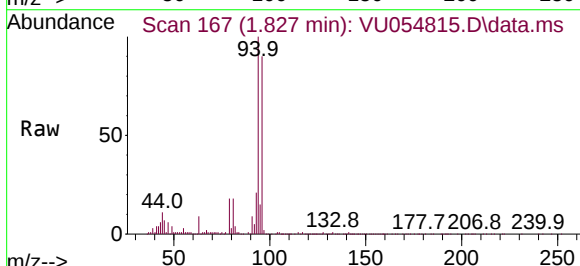
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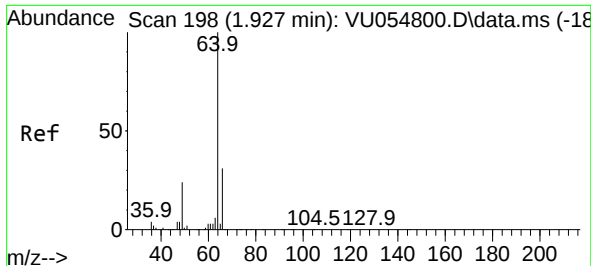
Tgt Ion: 94 Resp: 89441

Ion Ratio Lower Upper

94 100

96 90.5 66.1 122.8

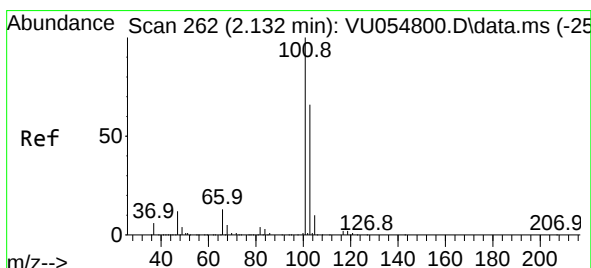
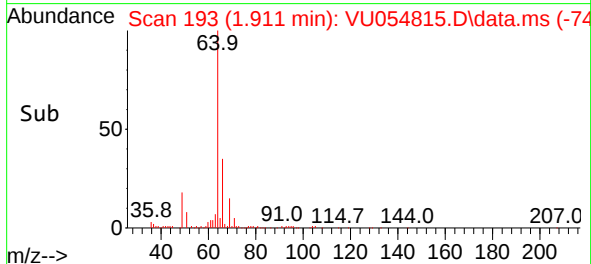
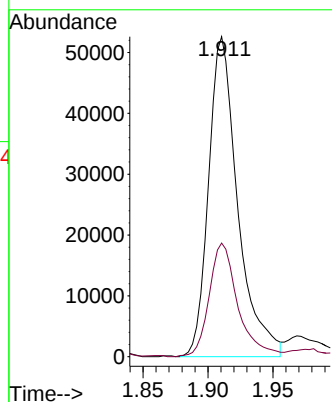
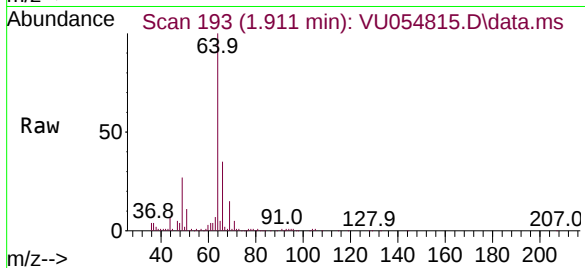




#8
Chloroethane
Concen: 42.559 ug/L
RT: 1.911 min Scan# 193
Delta R.T. -0.016 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

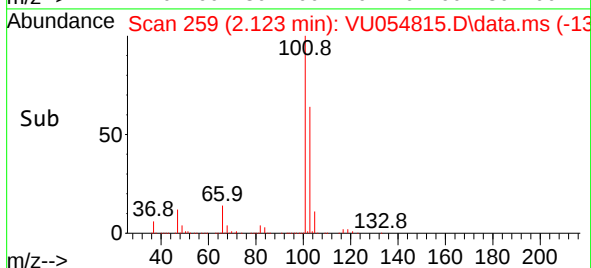
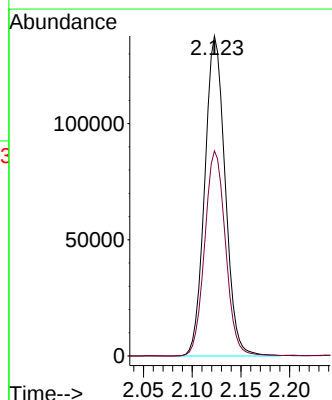
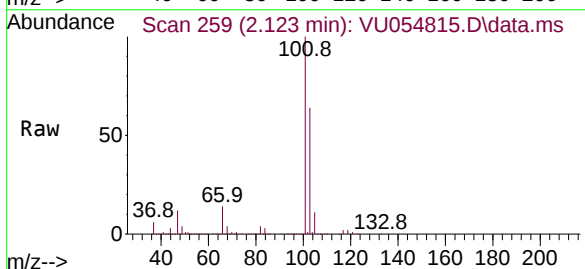
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

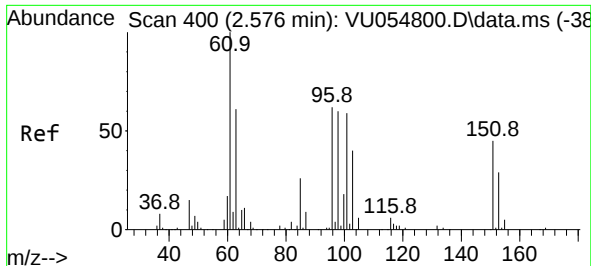
Tgt Ion: 64 Resp: 82108
Ion Ratio Lower Upper
64 100
66 35.5 22.8 42.4



#9
Trichlorofluoromethane
Concen: 45.002 ug/L
RT: 2.123 min Scan# 259
Delta R.T. -0.010 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

Tgt Ion:101 Resp: 200879
Ion Ratio Lower Upper
101 100
103 65.5 52.2 78.2





#10

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

Concen: 49.410 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.006 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD050106

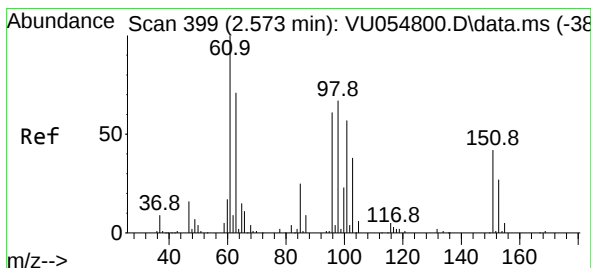
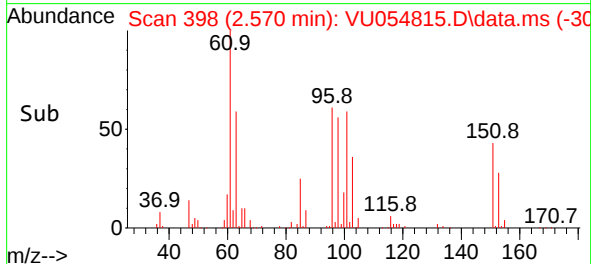
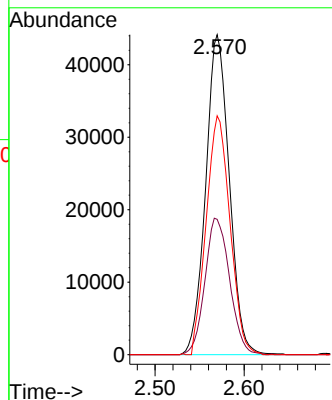
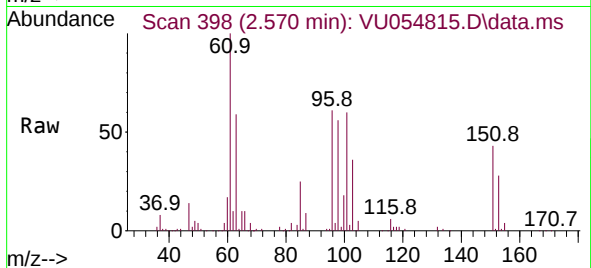
Tgt Ion:101 Resp: 81362

Ion Ratio Lower Upper

101 100

85 44.5 35.3 52.9

151 75.2 58.2 87.4



#12

1,1-Dichloroethene

Concen: 48.408 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.003 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

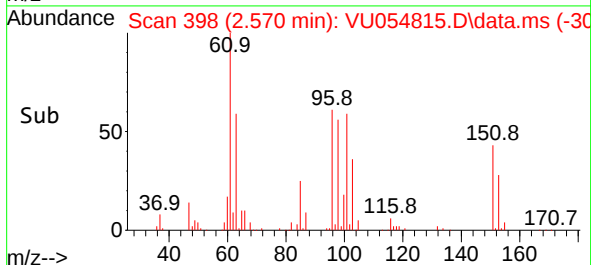
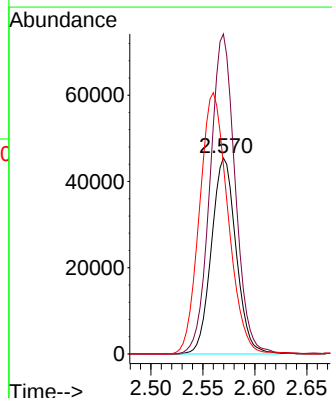
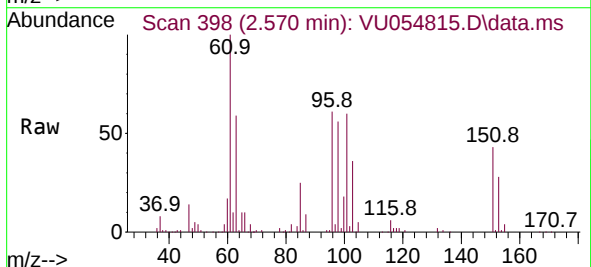
Tgt Ion: 96 Resp: 74961

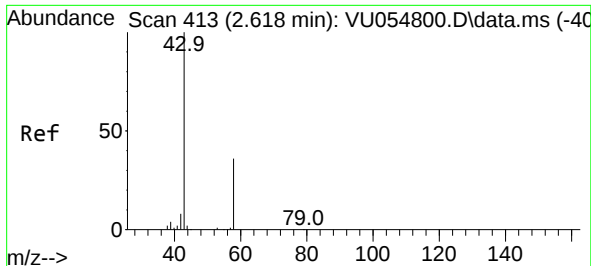
Ion Ratio Lower Upper

96 100

61 163.3 115.0 213.6

63 96.6 77.6 144.0





#13

Acetone

Concen: 82.447 ug/L

RT: 2.621 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

Instrument :

MSVOA_U

ClientSampleId :

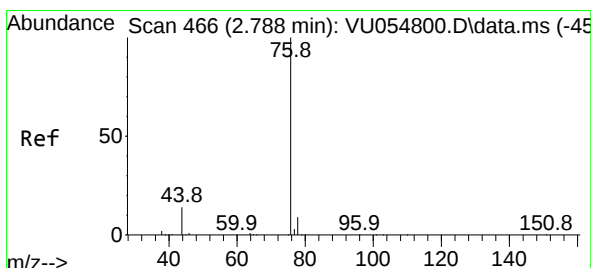
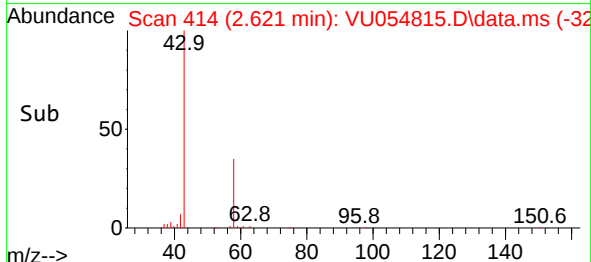
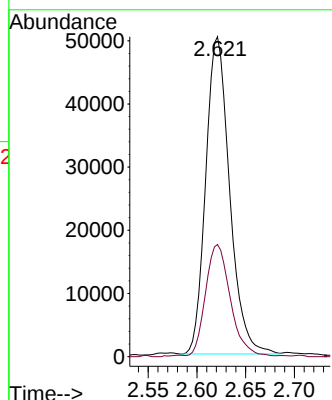
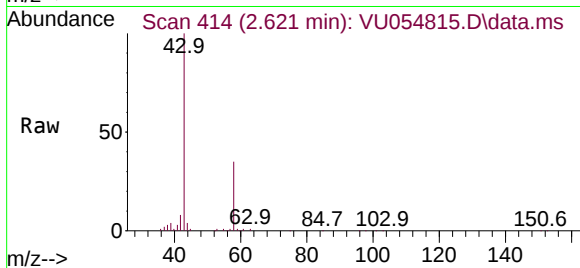
VSTD050106

Tgt Ion: 43 Resp: 85738

Ion Ratio Lower Upper

43 100

58 36.8 0.0 72.4



#14

Carbon disulfide

Concen: 47.123 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU054815.D

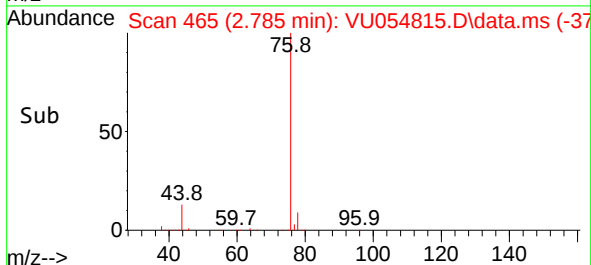
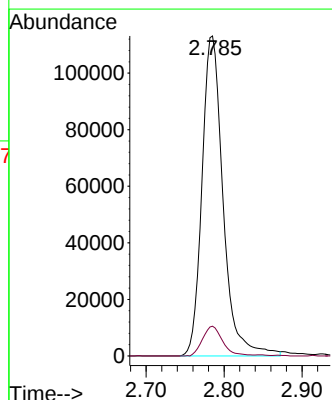
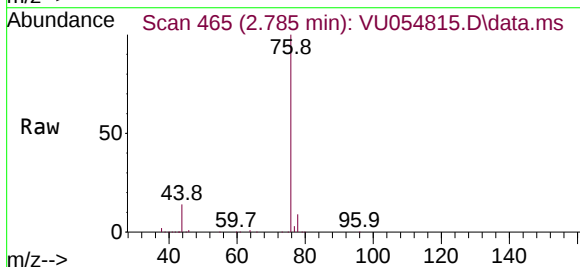
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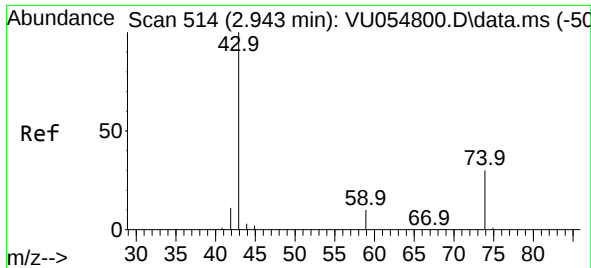
Tgt Ion: 76 Resp: 213074

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

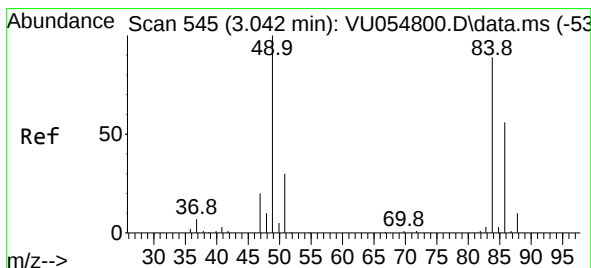
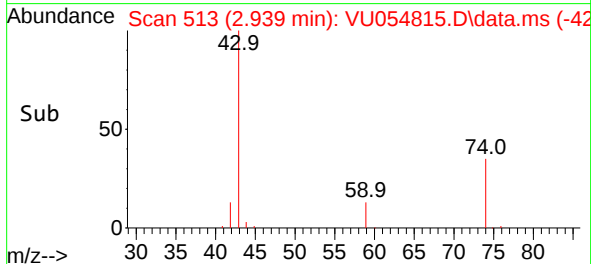
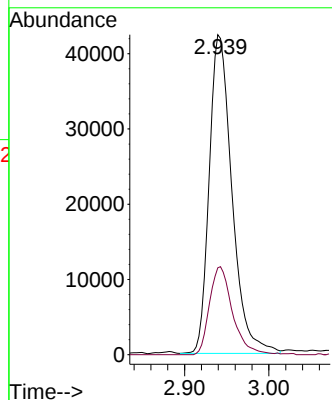
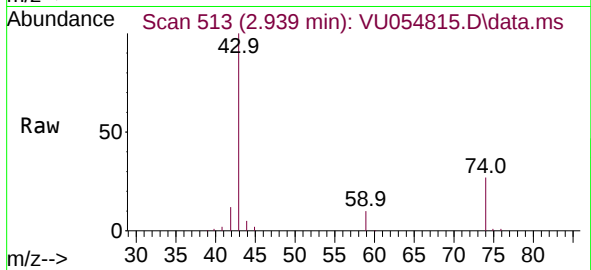




#15
Methyl Acetate
Concen: 45.816 ug/L
RT: 2.939 min Scan# 514
Delta R.T. -0.003 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

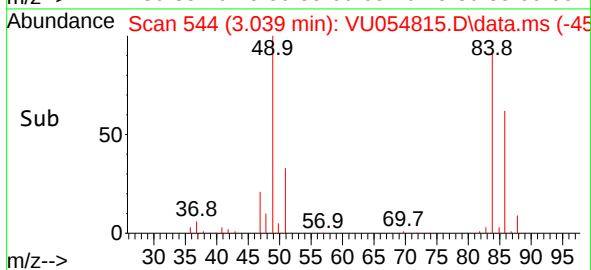
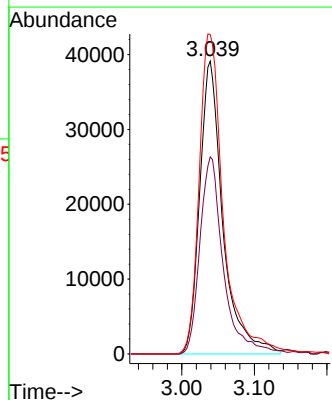
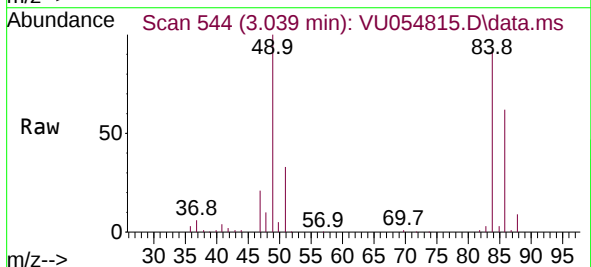
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

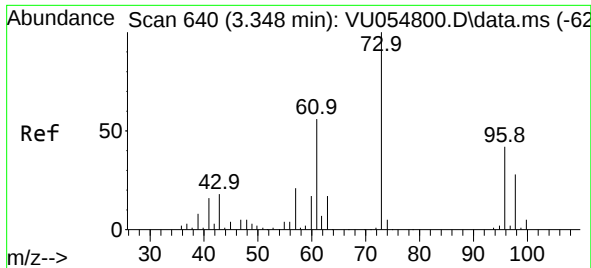
Tgt Ion: 43 Resp: 79471
Ion Ratio Lower Upper
43 100
74 27.9 21.8 32.8



#16
Methylene chloride
Concen: 46.477 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

Tgt Ion: 84 Resp: 86881
Ion Ratio Lower Upper
84 100
86 67.3 46.8 87.0
49 109.1 81.3 151.1

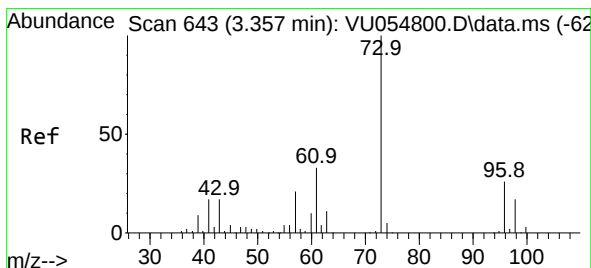
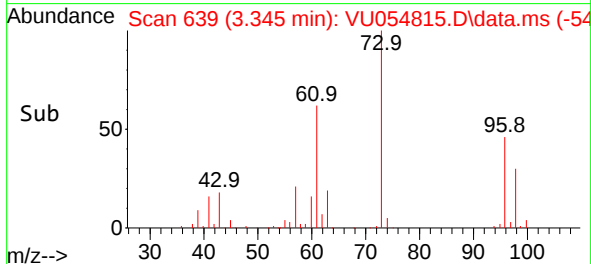
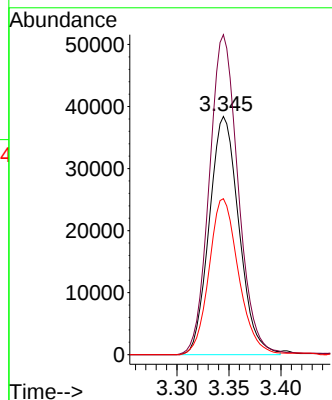
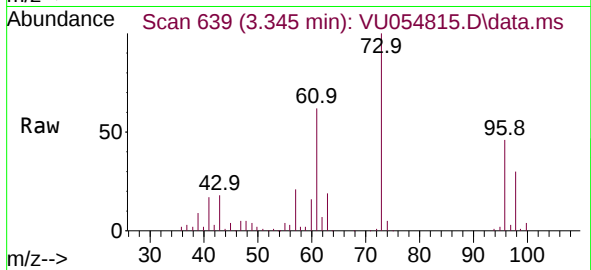




#17
trans-1,2-Dichloroethene
Concen: 47.626 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

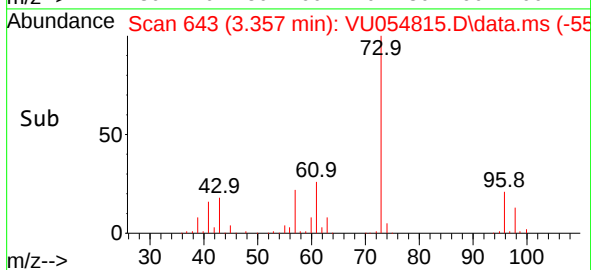
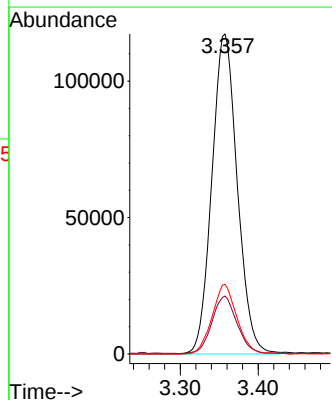
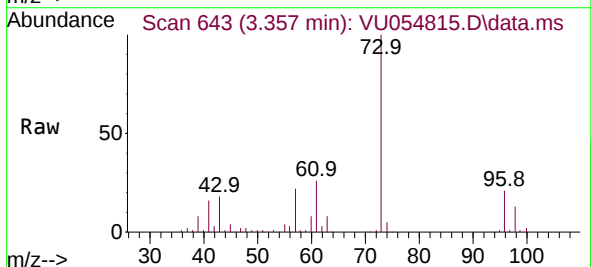
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

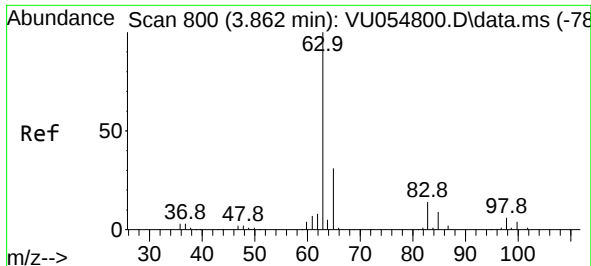
Tgt Ion: 96 Resp: 76336
Ion Ratio Lower Upper
96 100
61 134.3 93.2 173.2
98 67.3 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 47.931 ug/L
RT: 3.357 min Scan# 643
Delta R.T. 0.000 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

Tgt Ion: 73 Resp: 265869
Ion Ratio Lower Upper
73 100
43 17.5 14.3 21.5
57 21.1 17.4 26.0





#19

1,1-Dichloroethane

Concen: 49.145 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD050106

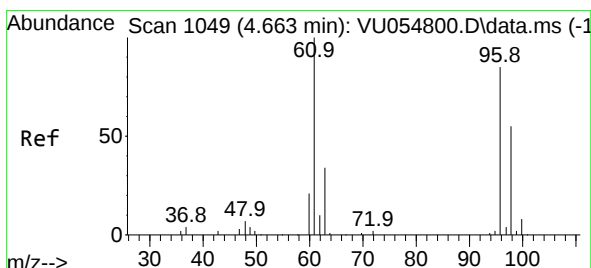
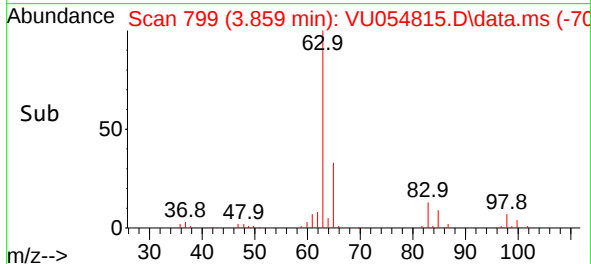
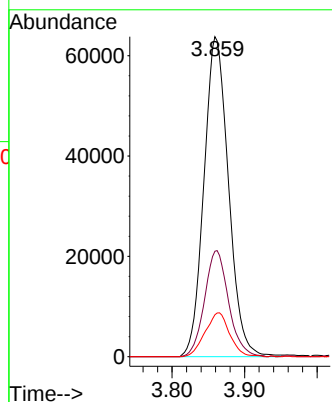
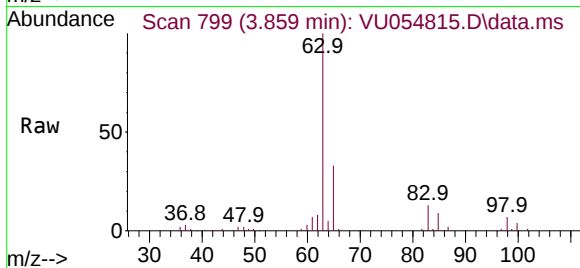
Tgt Ion: 63 Resp: 150304

Ion Ratio Lower Upper

63 100

65 33.0 22.1 41.1

83 13.1 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 47.870 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

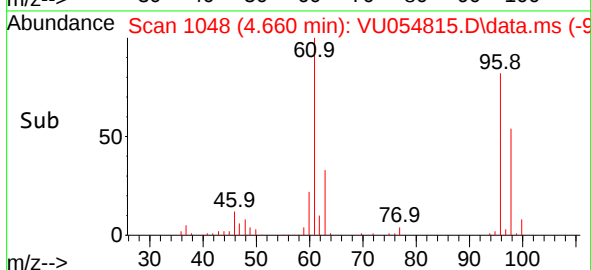
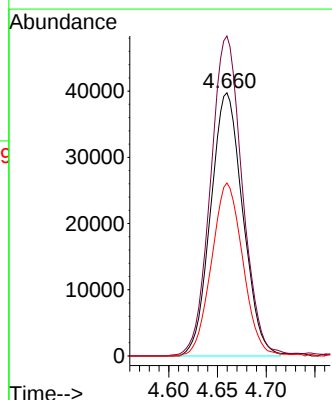
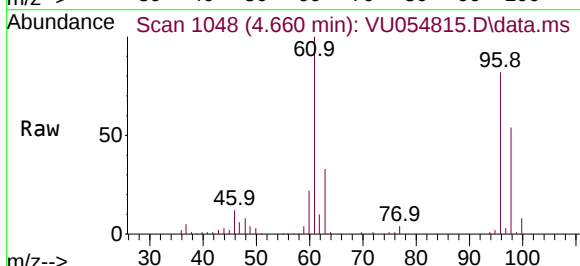
Tgt Ion: 96 Resp: 91195

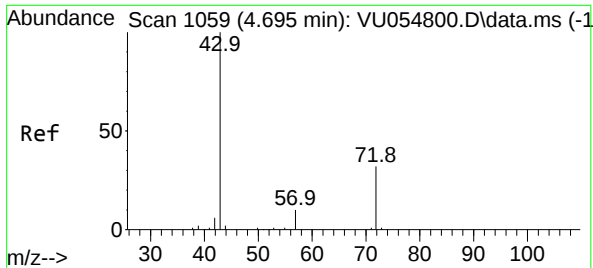
Ion Ratio Lower Upper

96 100

61 121.5 82.7 153.7

98 65.7 44.4 82.5

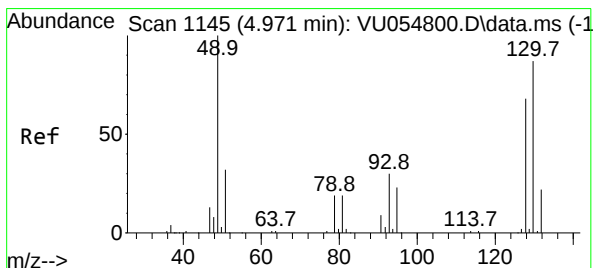
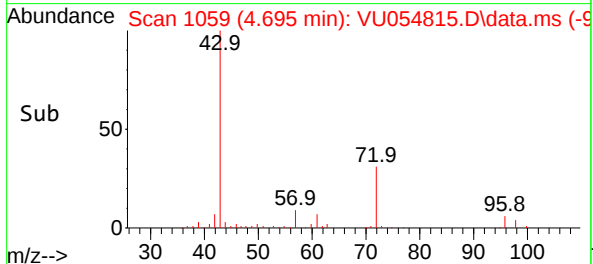
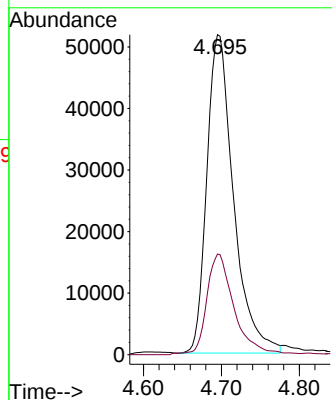
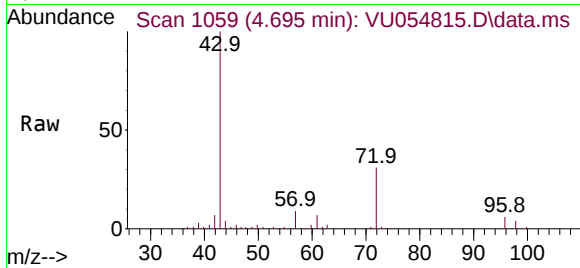




#22
2-Butanone
Concen: 85.780 ug/L
RT: 4.695 min Scan# 1059
Delta R.T. 0.000 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

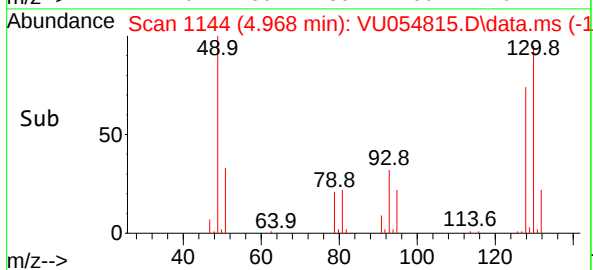
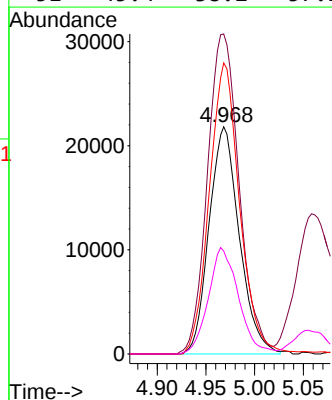
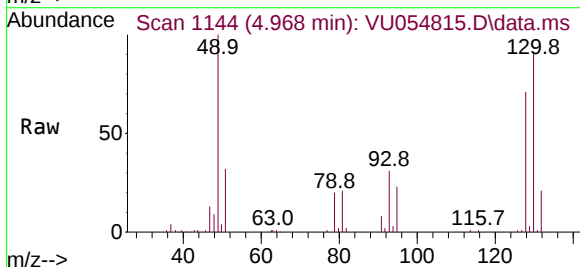
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

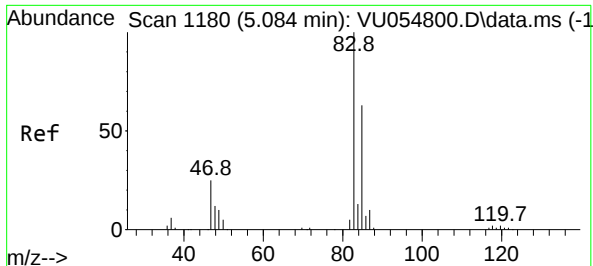
Tgt Ion: 43 Resp: 123154
Ion Ratio Lower Upper
43 100
72 30.2 15.2 45.6



#23
Bromochloromethane
Concen: 48.593 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. -0.003 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

Tgt Ion:128 Resp: 47095
Ion Ratio Lower Upper
128 100
49 140.8 100.6 186.8
130 128.1 83.0 154.1
51 45.4 38.2 57.2





#25

Chloroform

Concen: 48.302 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

Instrument :

MSVOA_U

ClientSampleId :

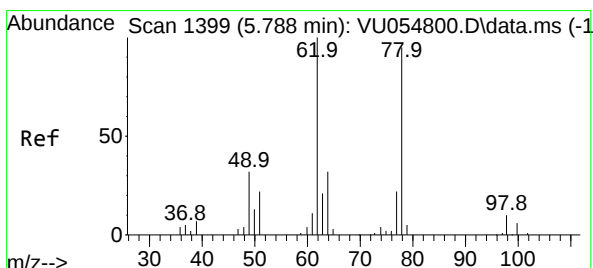
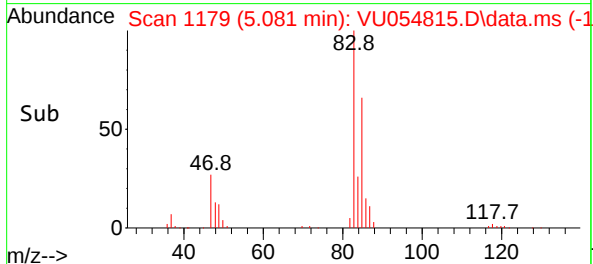
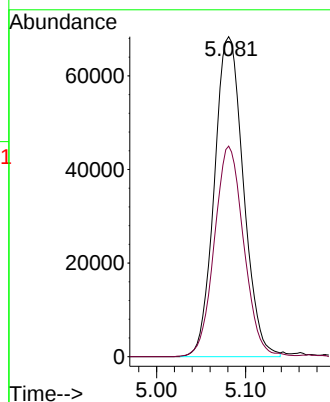
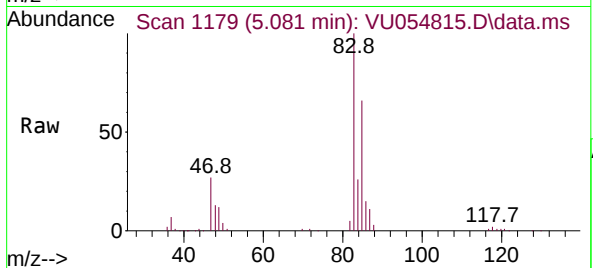
VSTD050106

Tgt Ion: 83 Resp: 154910

Ion Ratio Lower Upper

83 100

85 65.8 44.7 82.9



#27

1,2-Dichloroethane

Concen: 48.494 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU054815.D

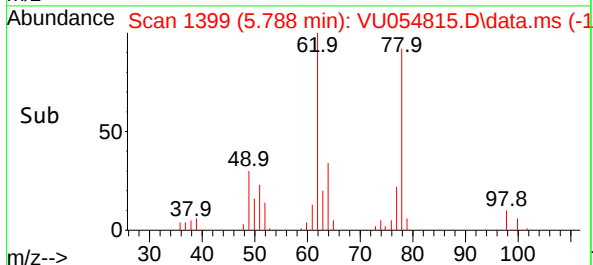
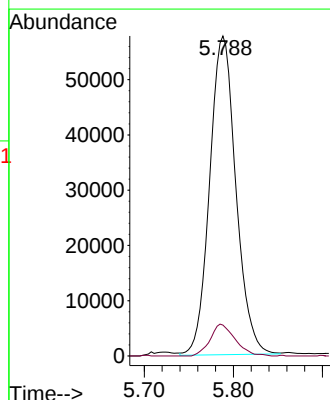
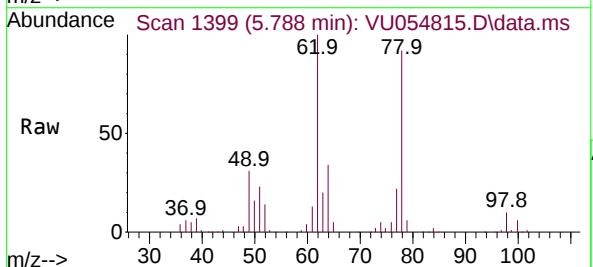
Acq: 19 Jul 2023 11:51

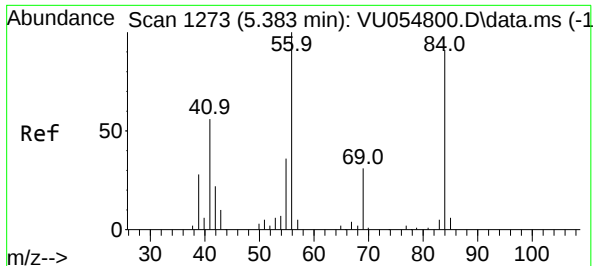
Tgt Ion: 62 Resp: 118109

Ion Ratio Lower Upper

62 100

98 10.2 7.5 11.3





#29

Cyclohexane

Concen: 48.388 ug/L

RT: 5.380 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD050106

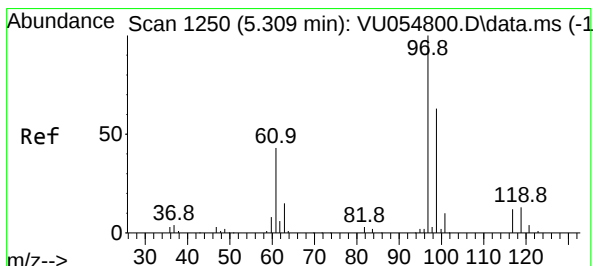
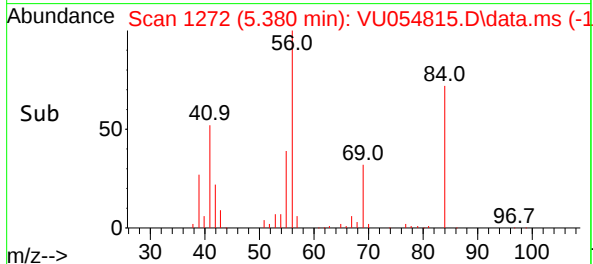
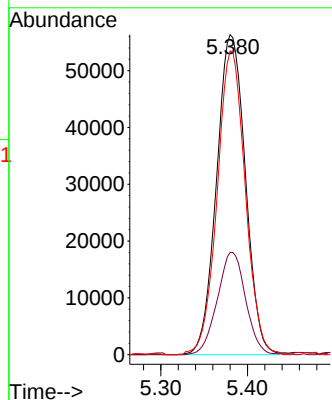
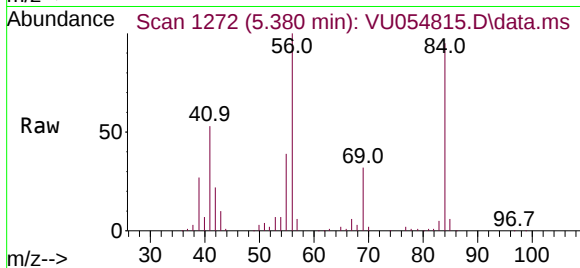
Tgt Ion: 56 Resp: 130091

Ion Ratio Lower Upper

56 100

69 31.4 25.8 38.8

84 92.4 75.9 113.9



#30

1,1,1-Trichloroethane

Concen: 50.431 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.000 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

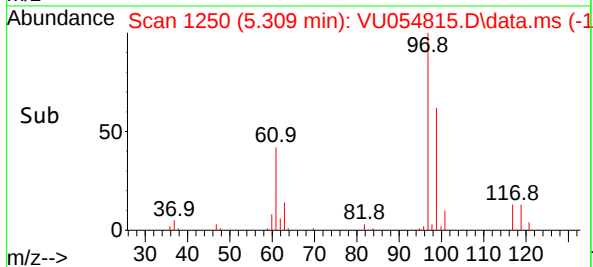
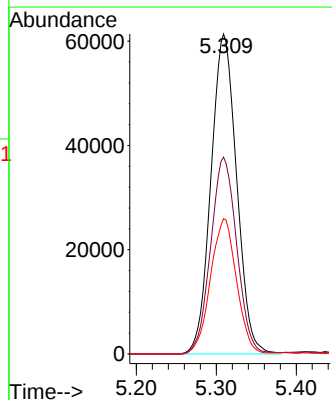
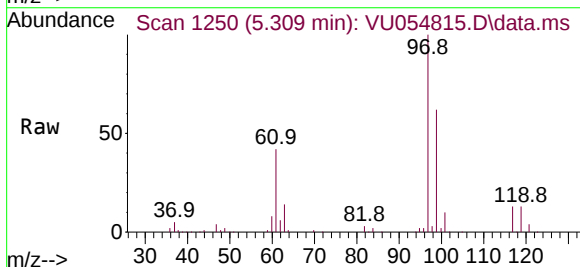
Tgt Ion: 97 Resp: 136841

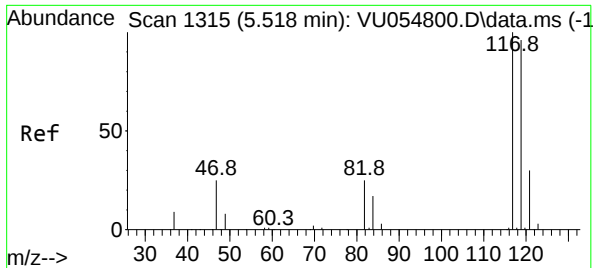
Ion Ratio Lower Upper

97 100

99 62.5 52.0 78.0

61 42.9 34.3 51.5

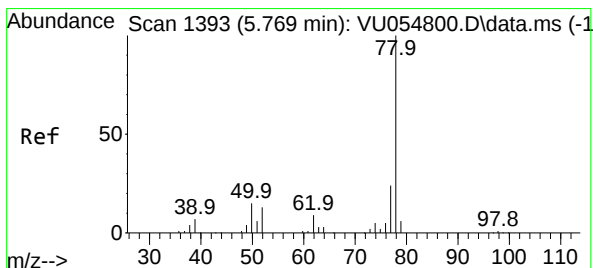
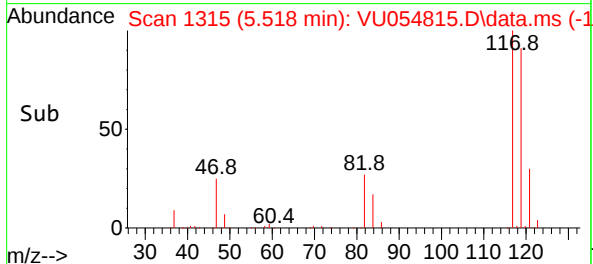
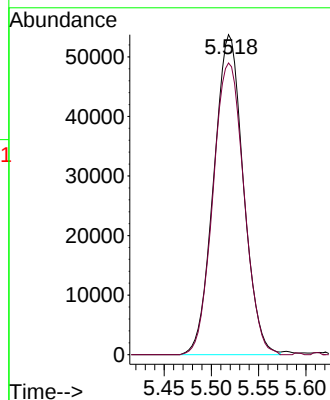
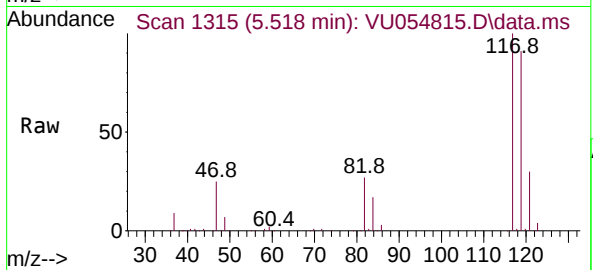




#31
Carbon tetrachloride
Concen: 50.014 ug/L
RT: 5.518 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

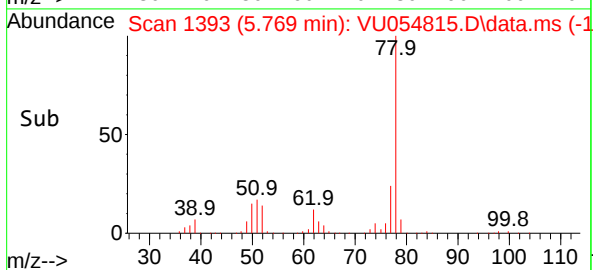
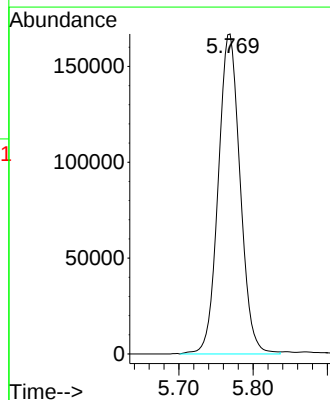
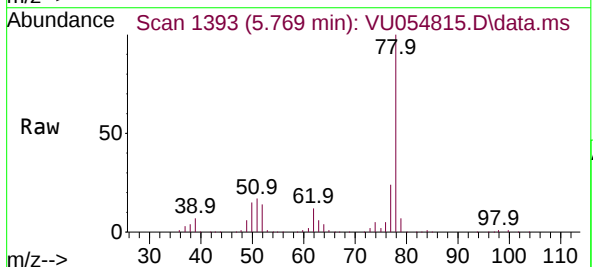
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

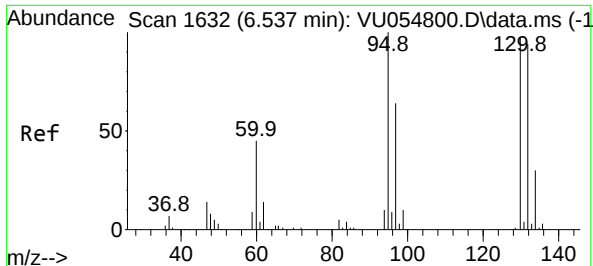
Tgt Ion:117 Resp: 117197
Ion Ratio Lower Upper
117 100
119 95.1 77.4 116.2



#33
Benzene
Concen: 48.824 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

Tgt Ion: 78 Resp: 342028

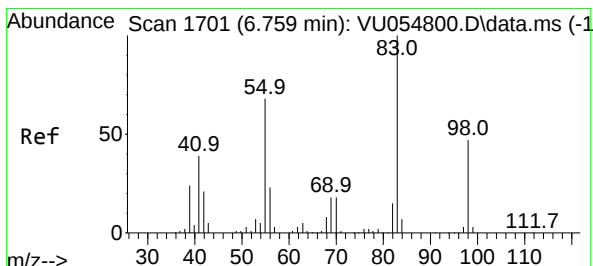
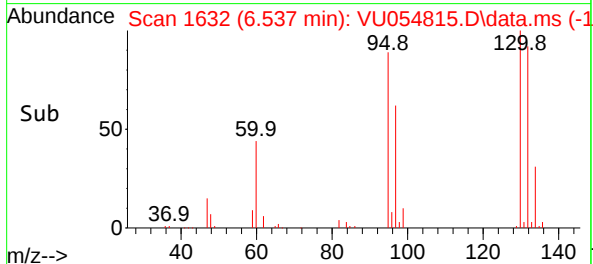
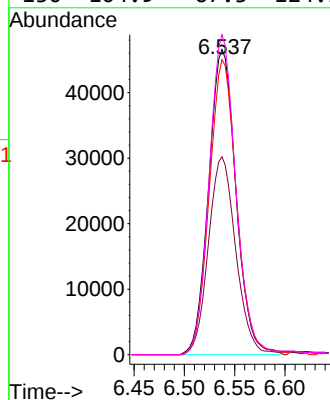
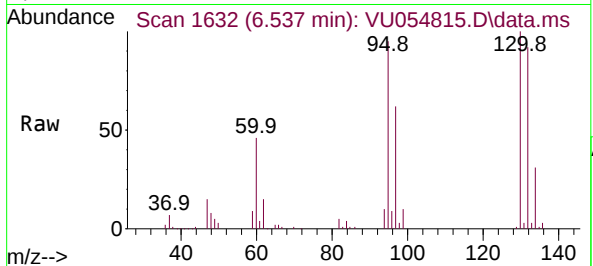




#34
Trichloroethene
Concen: 49.394 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

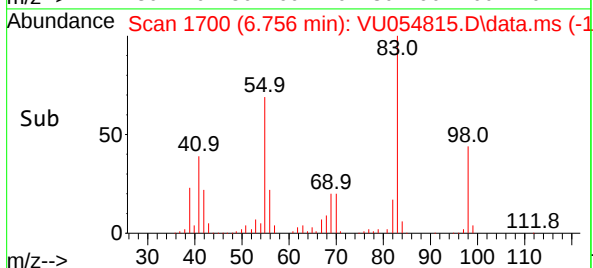
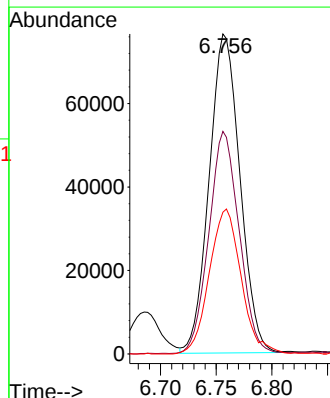
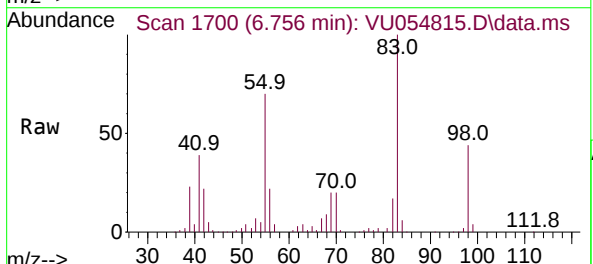
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

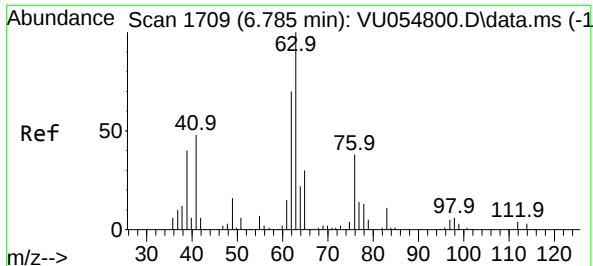
Tgt Ion: 95 Resp: 88079
Ion Ratio Lower Upper
95 100
97 64.8 44.0 81.8
132 96.7 67.9 126.1
130 104.9 67.3 124.9



#35
Methylcyclohexane
Concen: 50.477 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

Tgt Ion: 83 Resp: 147100
Ion Ratio Lower Upper
83 100
55 69.1 55.8 83.8
98 47.0 38.6 58.0





#37

1,2-Dichloropropane

Concen: 48.585 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

Instrument :

MSVOA_U

ClientSampleId :

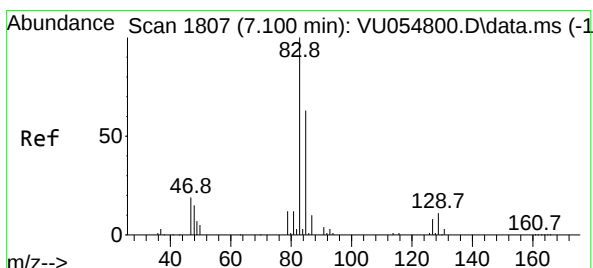
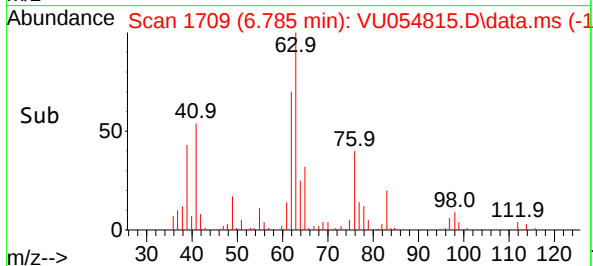
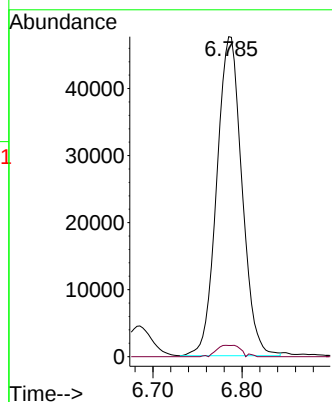
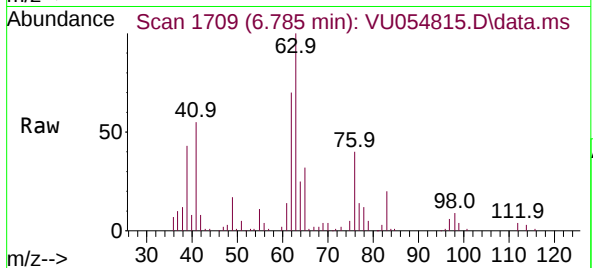
VSTD050106

Tgt Ion: 63 Resp: 93605

Ion Ratio Lower Upper

63 100

112 2.2 3.1 4.7#



#38

Bromodichloromethane

Concen: 48.802 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

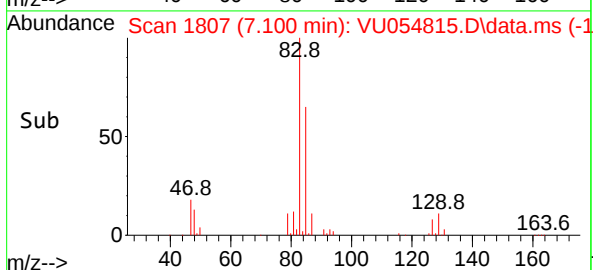
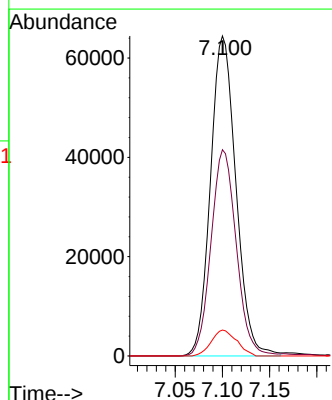
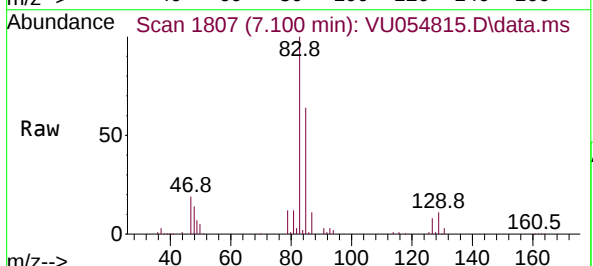
Tgt Ion: 83 Resp: 120630

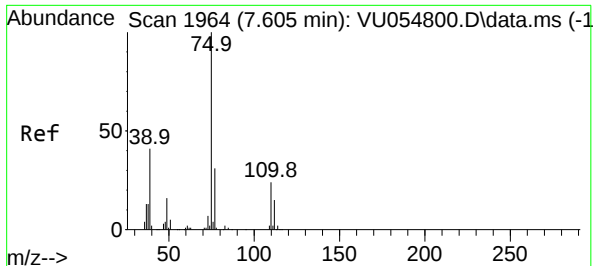
Ion Ratio Lower Upper

83 100

85 64.4 44.9 83.3

127 8.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 48.503 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

Instrument :

MSVOA_U

ClientSampleId :

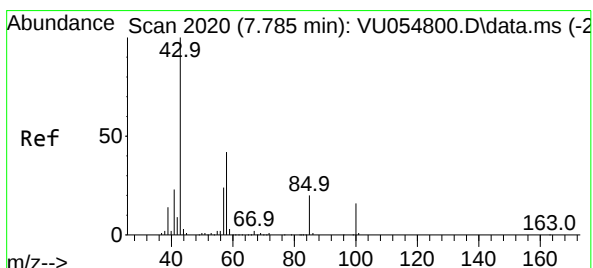
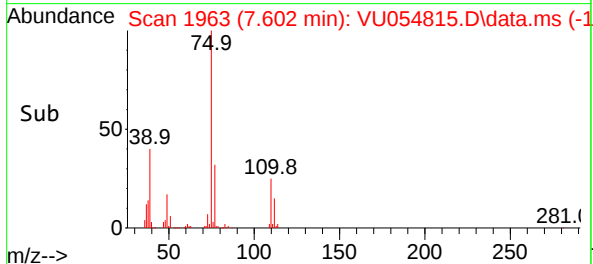
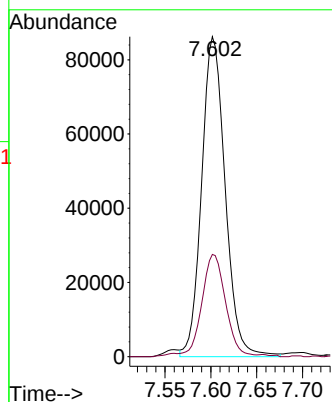
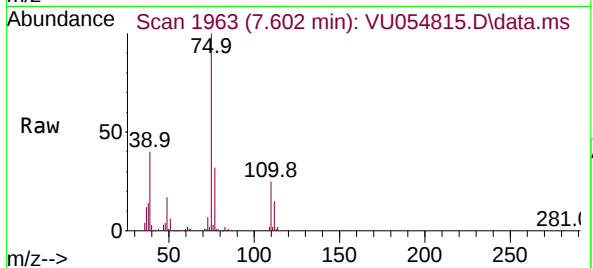
VSTD050106

Tgt Ion: 75 Resp: 154123

Ion Ratio Lower Upper

75 100

77 33.2 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 90.442 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

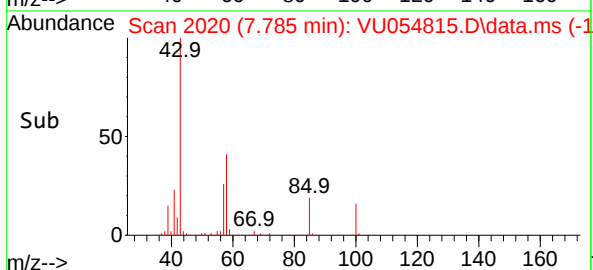
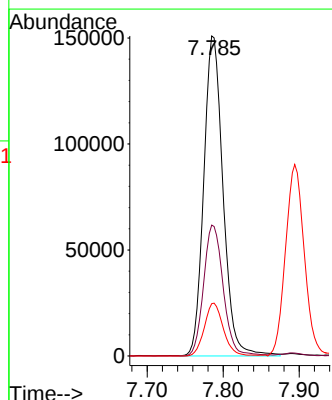
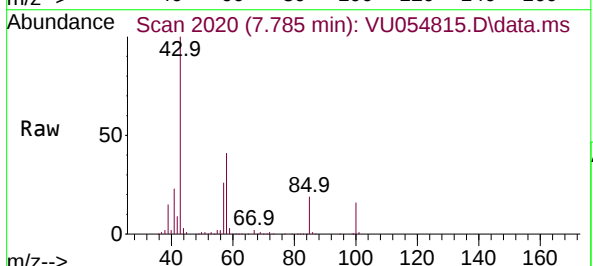
Tgt Ion: 43 Resp: 266811

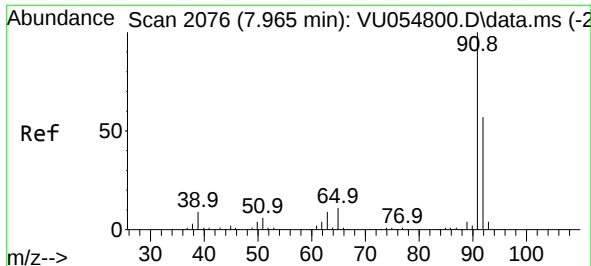
Ion Ratio Lower Upper

43 100

58 41.6 33.7 50.5

100 16.1 13.0 19.4





#42

Toluene

Concen: 49.800 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

Instrument :

MSVOA_U

ClientSampleId :

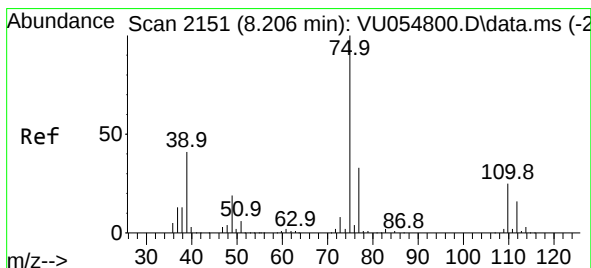
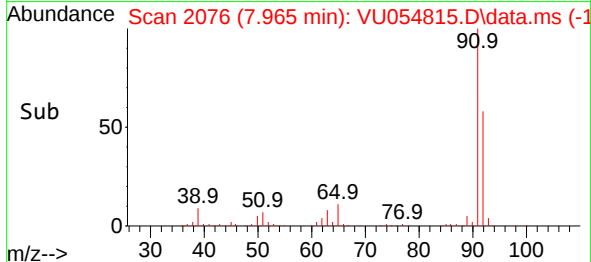
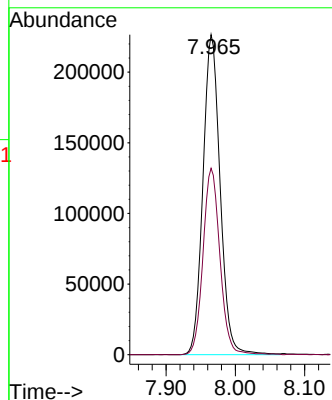
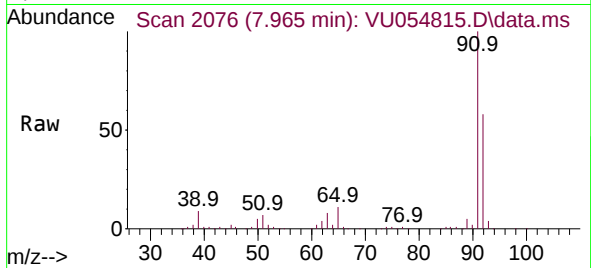
VSTD050106

Tgt Ion: 91 Resp: 390382

Ion Ratio Lower Upper

91 100

92 58.2 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 49.269 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU054815.D

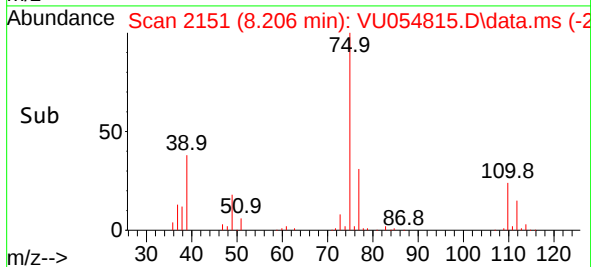
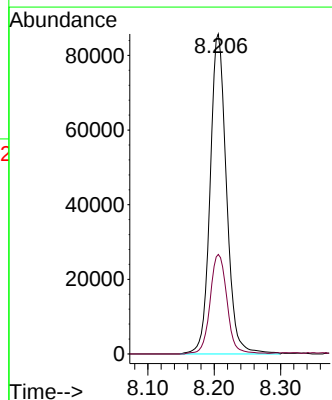
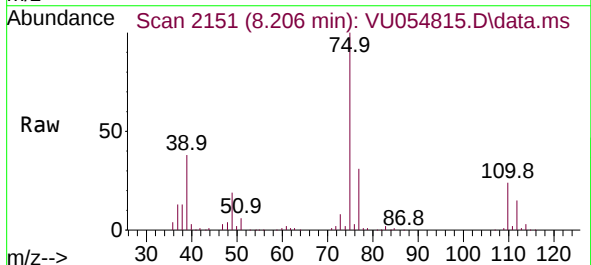
Acq: 19 Jul 2023 11:51

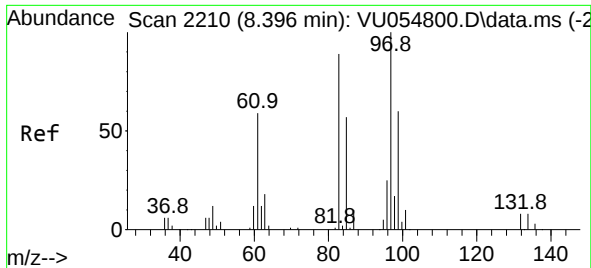
Tgt Ion: 75 Resp: 147088

Ion Ratio Lower Upper

75 100

77 31.1 22.7 42.1

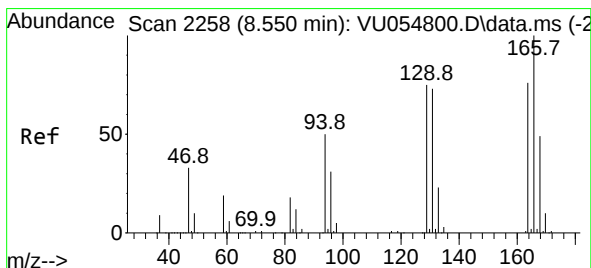
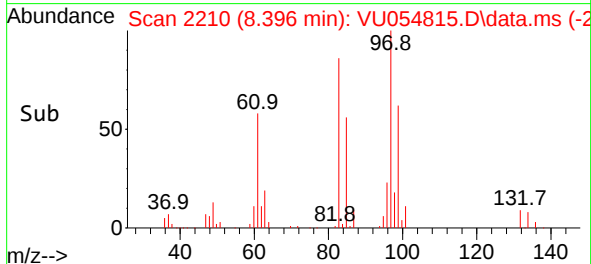
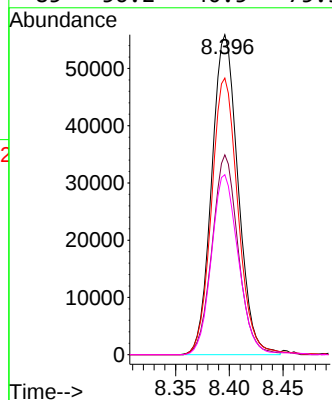
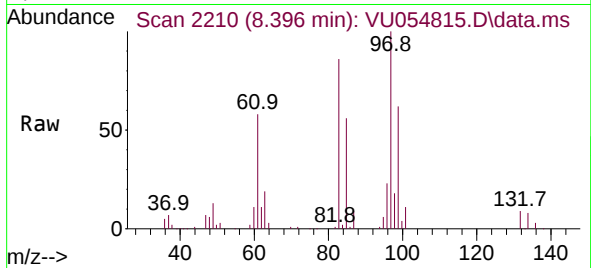




#45
1,1,2-Trichloroethane
Concen: 48.599 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

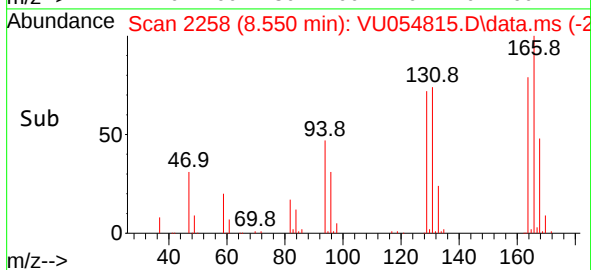
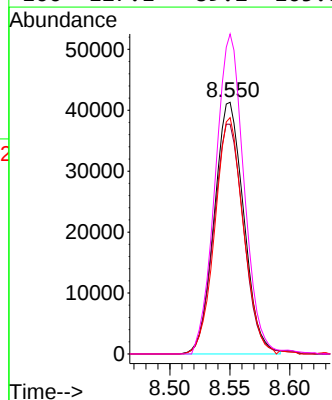
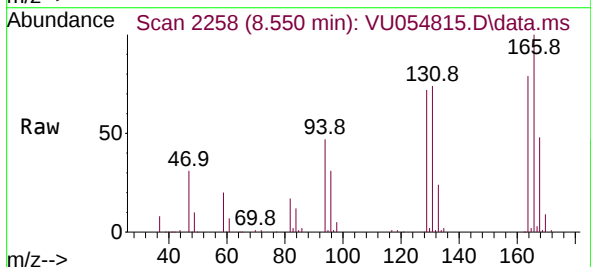
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

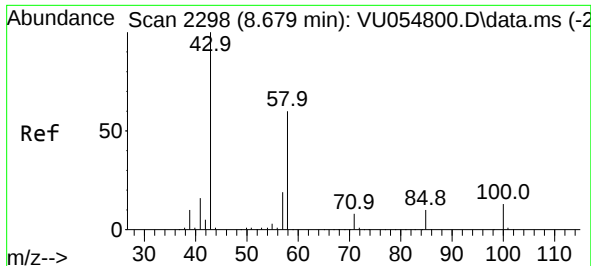
Tgt Ion:	97	Resp:	95462
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.3	80.5
83	86.5	60.6	112.6
85	56.2	40.5	75.3



#46
Tetrachloroethene
Concen: 51.601 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

Tgt Ion:	164	Resp:	70543
Ion	Ratio	Lower	Upper
164	100		
129	91.3	66.2	123.0
131	93.9	61.9	115.1
166	127.1	89.2	165.8



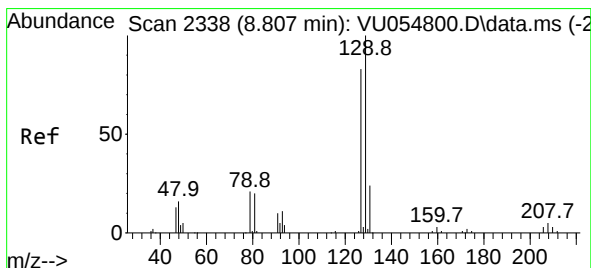
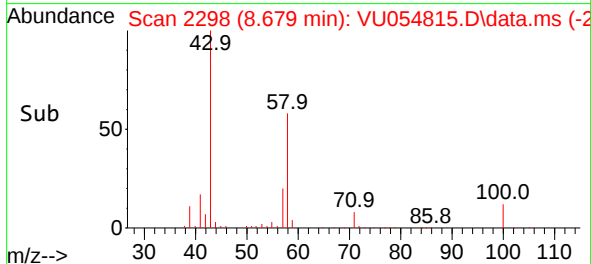
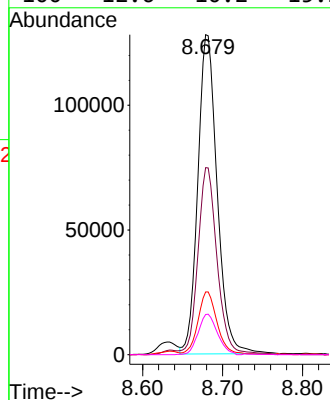
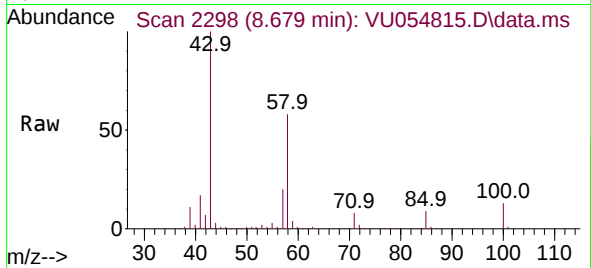


#48
2-Hexanone
Concen: 88.495 ug/L
RT: 8.679 min Scan# 216276
Delta R.T. 0.000 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

Tgt Ion: 43 Resp: 216276

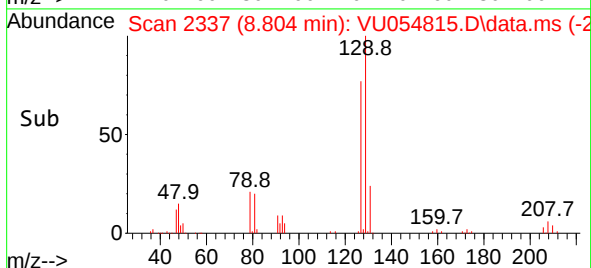
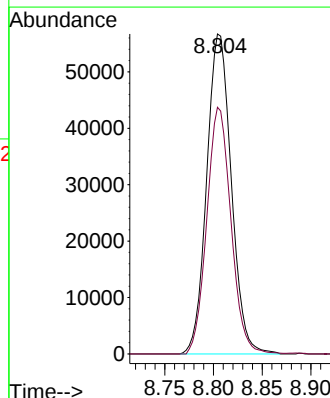
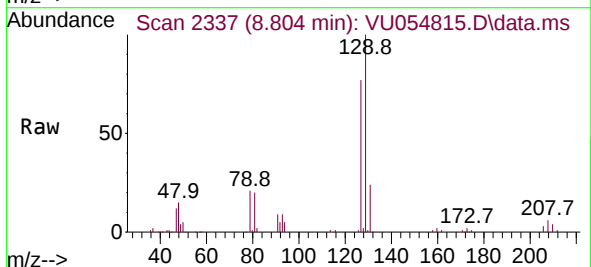
Ion	Ratio	Lower	Upper
43	100		
58	57.9	46.5	69.7
57	18.9	15.4	23.2
100	12.6	10.2	15.2

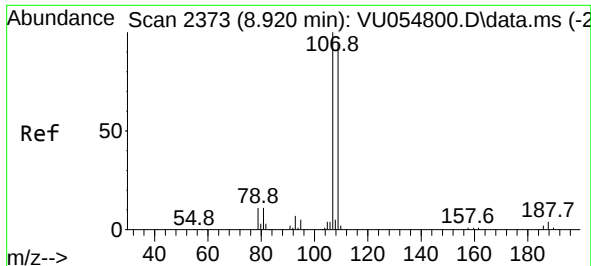


#49
Dibromochloromethane
Concen: 49.246 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

Tgt Ion: 129 Resp: 99636

Ion	Ratio	Lower	Upper
129	100		
127	77.1	54.4	101.0





#50

1,2-Dibromoethane

Concen: 47.125 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD050106

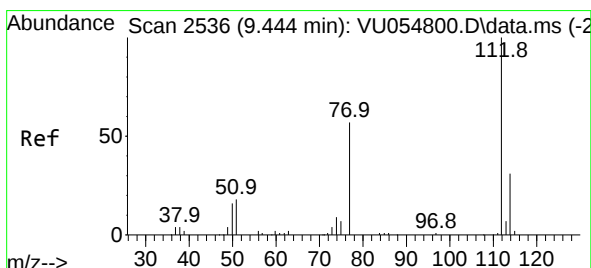
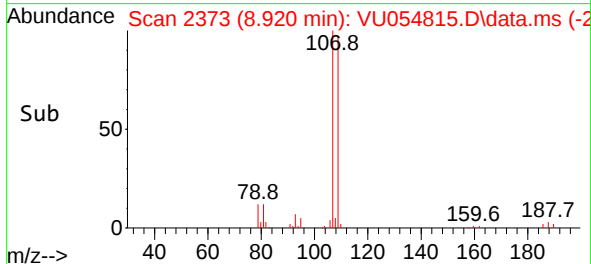
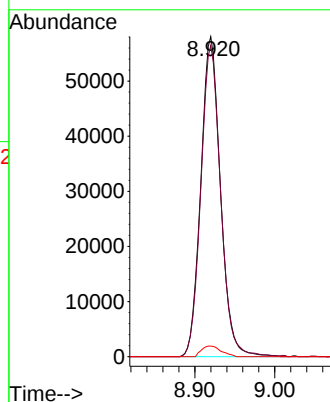
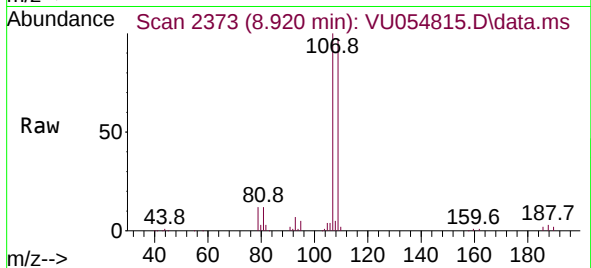
Tgt Ion:107 Resp: 99636

Ion Ratio Lower Upper

107 100

109 97.2 62.5 116.1

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 48.894 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

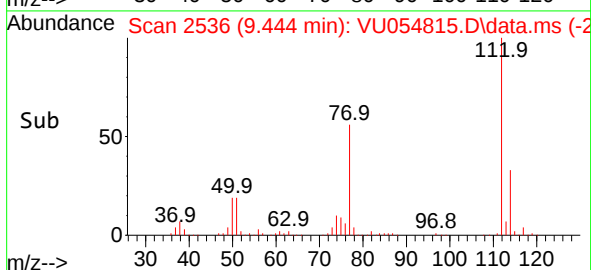
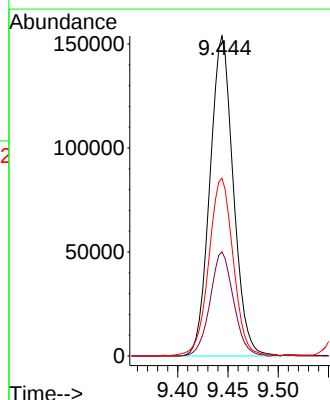
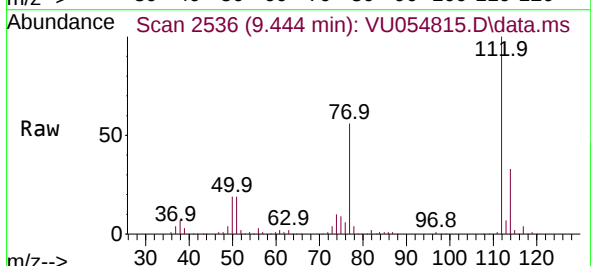
Tgt Ion:112 Resp: 249348

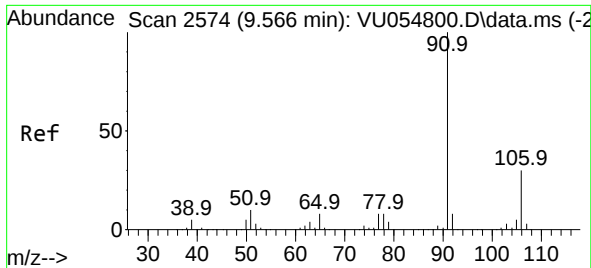
Ion Ratio Lower Upper

112 100

114 32.6 22.3 41.5

77 55.5 44.2 66.4

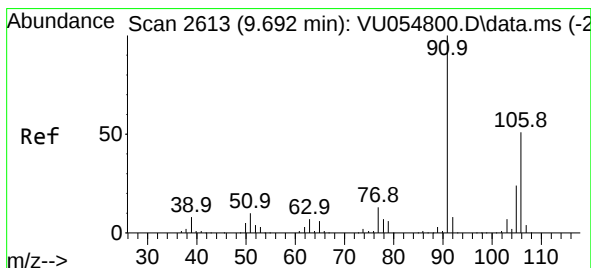
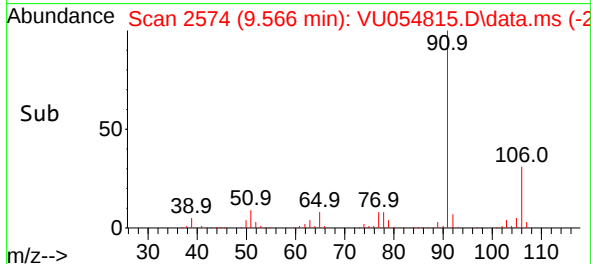
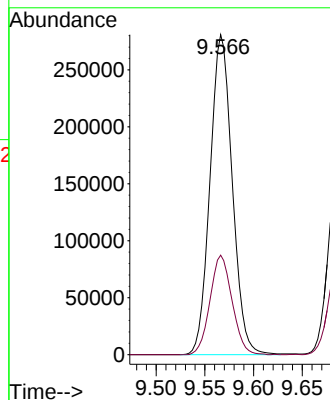
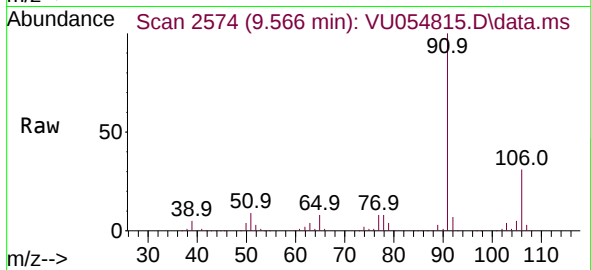




#52
Ethylbenzene
Concen: 49.169 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

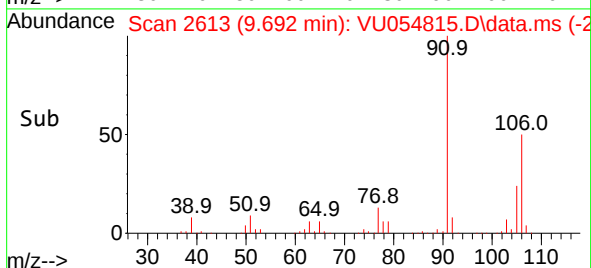
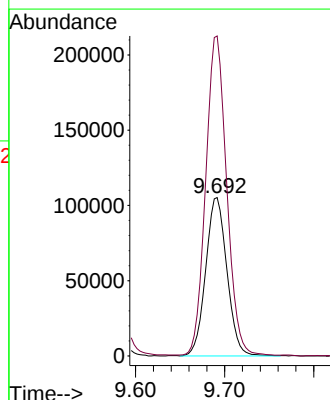
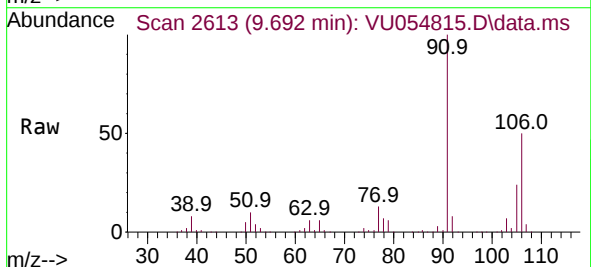
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

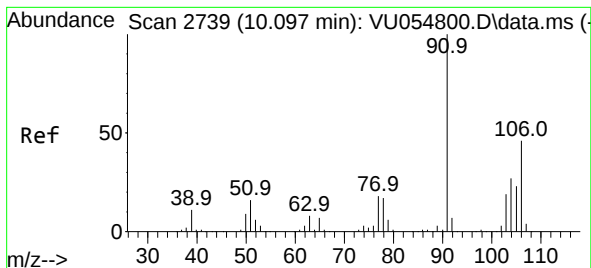
Tgt Ion: 91 Resp: 445621
Ion Ratio Lower Upper
91 100
106 31.1 23.5 43.7



#53
m,p-Xylene
Concen: 50.529 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

Tgt Ion:106 Resp: 174354
Ion Ratio Lower Upper
106 100
91 186.5 133.3 247.7





#54

o-Xylene

Concen: 48.936 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

Instrument :

MSVOA_U

ClientSampleId :

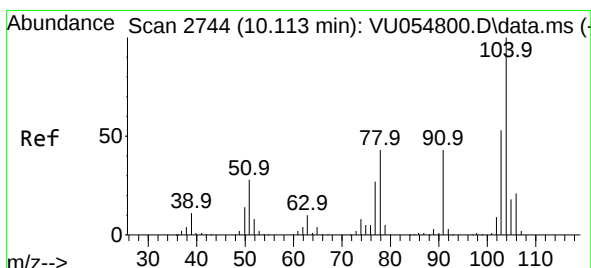
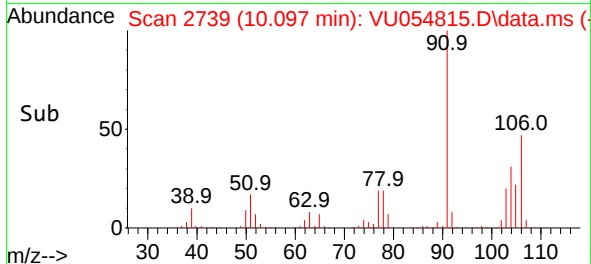
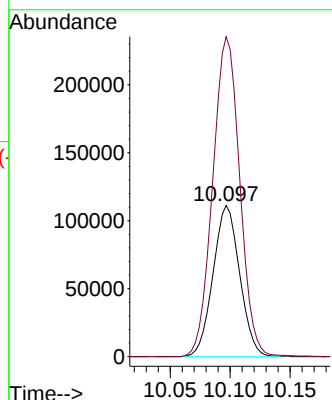
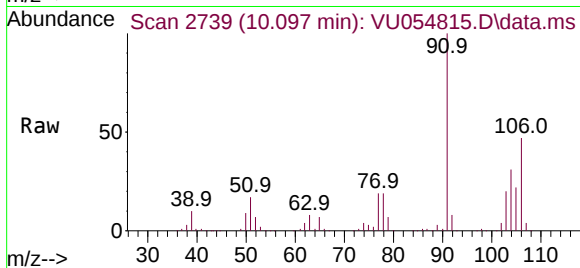
VSTD050106

Tgt Ion:106 Resp: 171541

Ion Ratio Lower Upper

106 100

91 211.7 142.0 263.8



#55

Styrene

Concen: 47.938 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.003 min

Lab File: VU054815.D

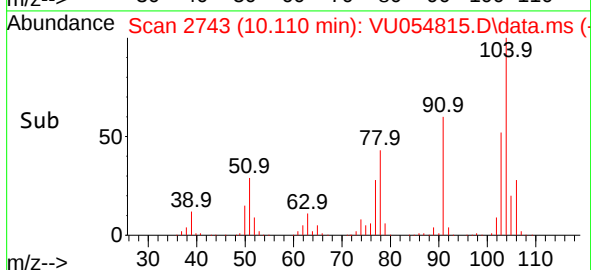
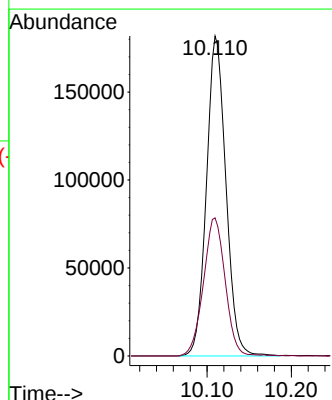
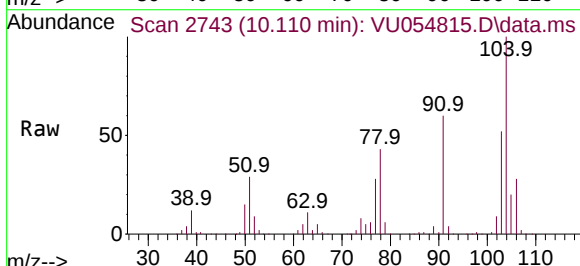
Acq: 19 Jul 2023 11:51

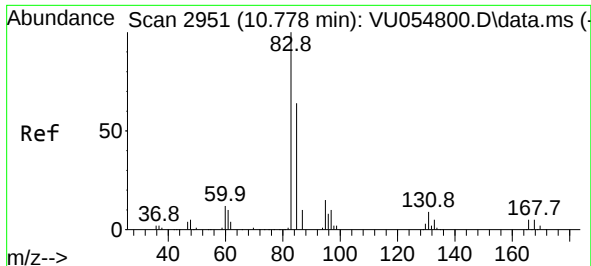
Tgt Ion:104 Resp: 292669

Ion Ratio Lower Upper

104 100

78 43.1 30.7 57.1

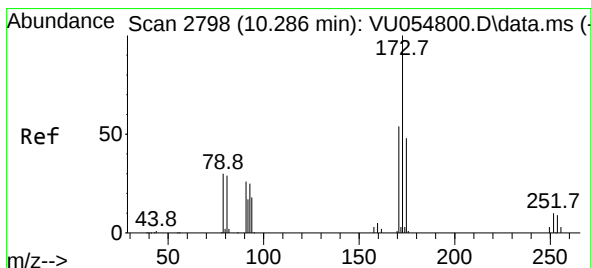
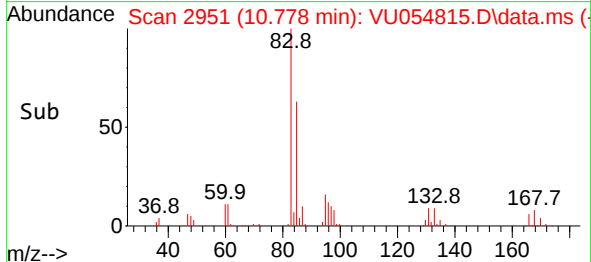
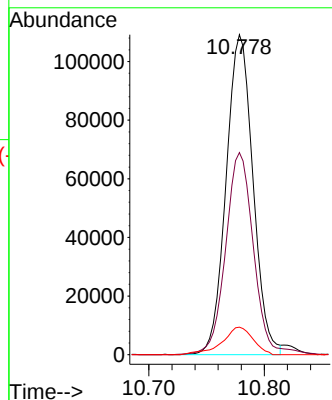
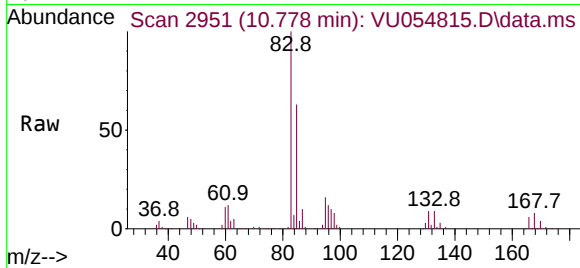




#57
1,1,2,2-Tetrachloroethane
Concen: 45.549 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

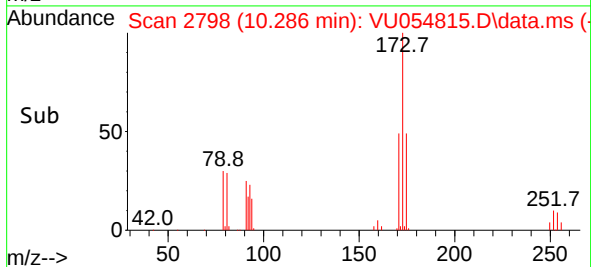
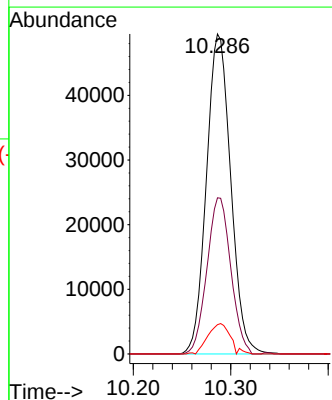
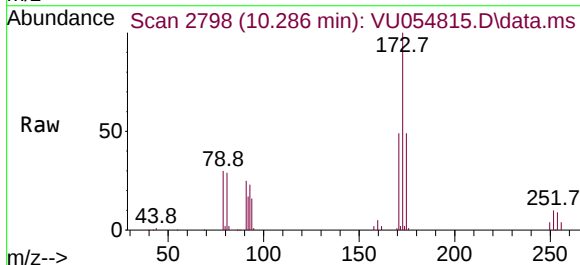
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

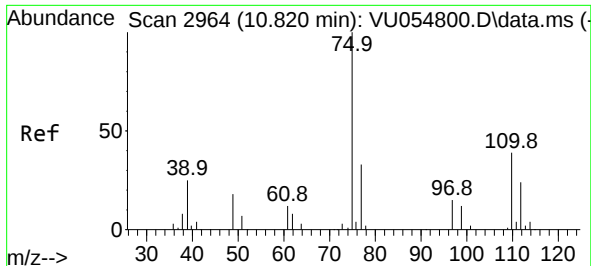
Tgt Ion: 83 Resp: 176644
Ion Ratio Lower Upper
83 100
85 63.1 43.8 81.4
131 11.1 8.7 13.1



#59
Bromoform
Concen: 49.918 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

Tgt Ion:173 Resp: 85748
Ion Ratio Lower Upper
173 100
175 47.9 38.8 58.2
254 8.3 2.4 3.6#

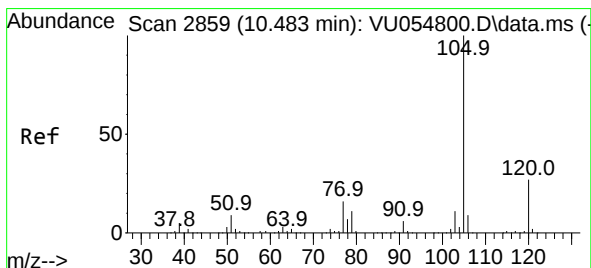
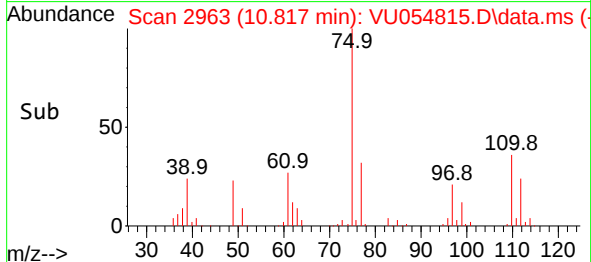
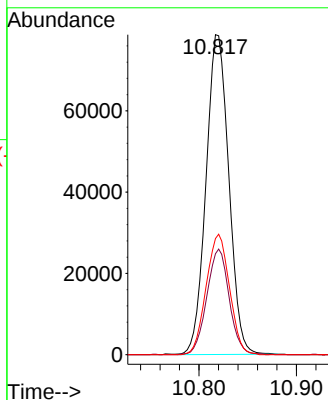
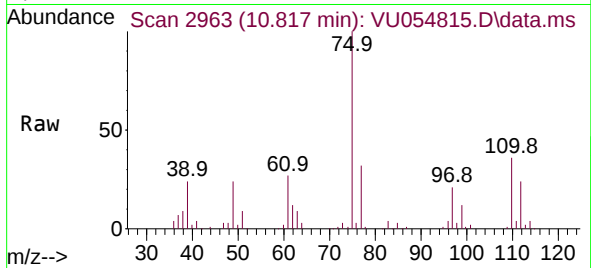




#60
1,2,3-Trichloropropane
Concen: 47.723 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.003 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

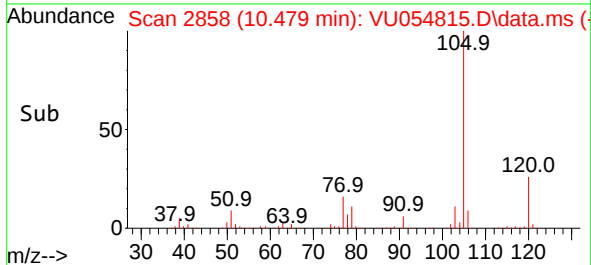
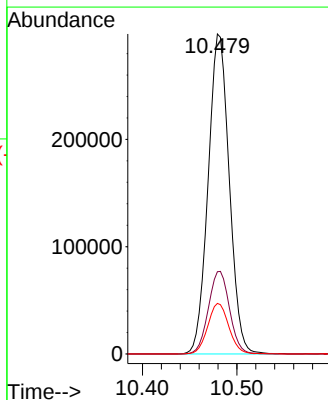
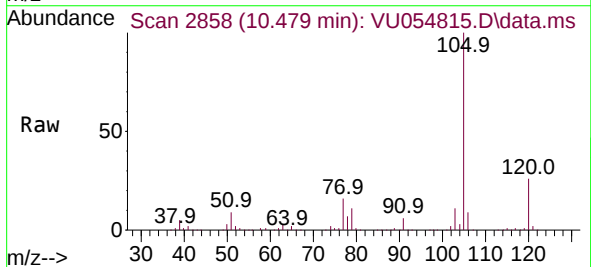
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

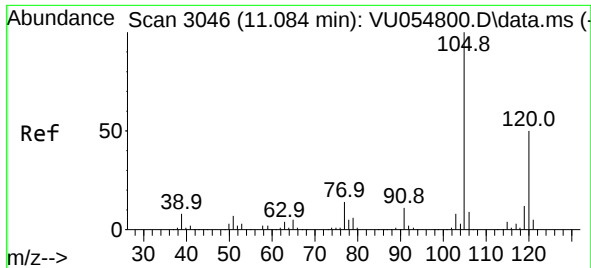
Tgt Ion: 75 Resp: 127883
Ion Ratio Lower Upper
75 100
77 32.5 26.2 39.4
110 38.5 29.9 44.9



#61
Isopropylbenzene
Concen: 50.996 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.003 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

Tgt Ion: 105 Resp: 462729
Ion Ratio Lower Upper
105 100
120 25.9 21.4 32.0
77 15.8 12.8 19.2

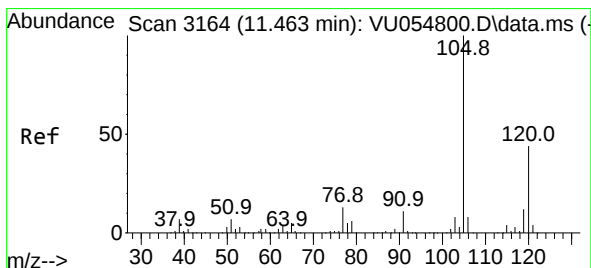
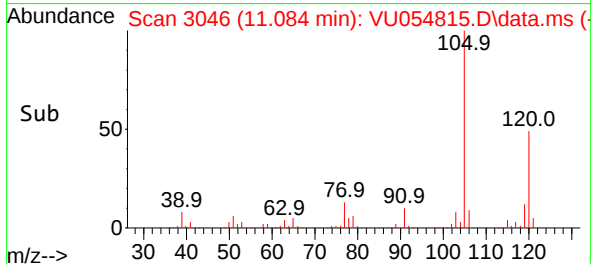
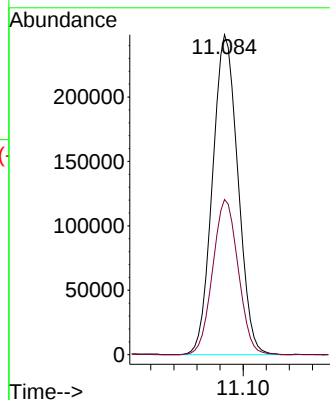
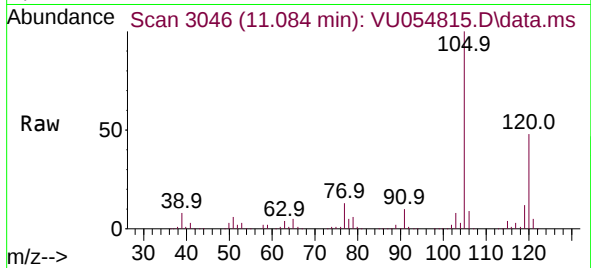




#62
1,3,5-Trimethylbenzene
Concen: 50.792 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

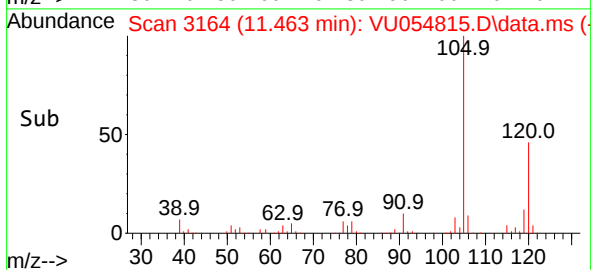
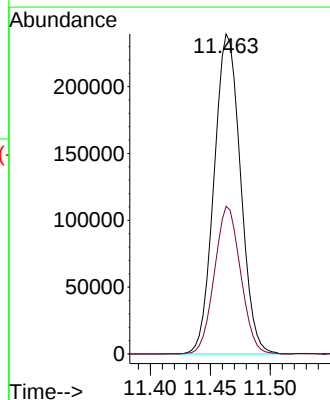
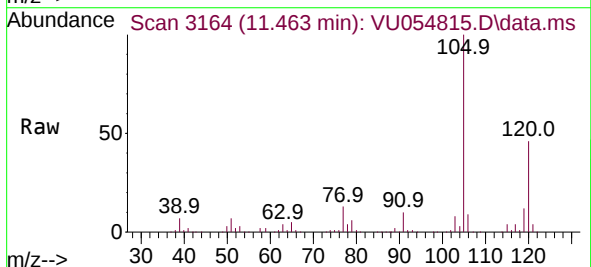
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

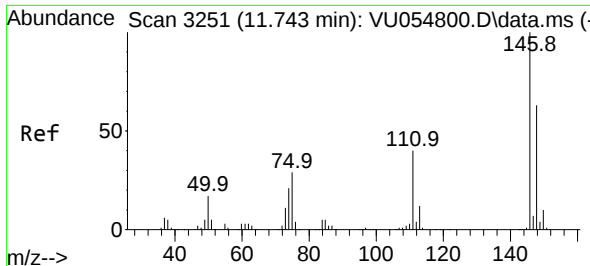
Tgt Ion:105 Resp: 379556
Ion Ratio Lower Upper
105 100
120 48.7 38.0 57.0



#63
1,2,4-Trimethylbenzene
Concen: 49.556 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

Tgt Ion:105 Resp: 367064
Ion Ratio Lower Upper
105 100
120 45.6 36.2 54.2

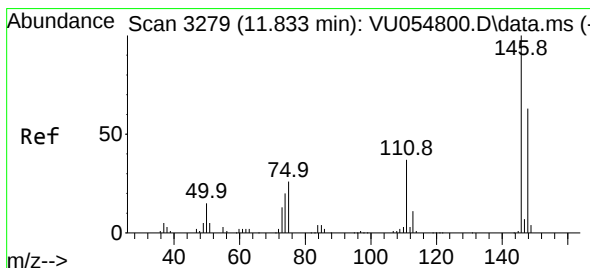
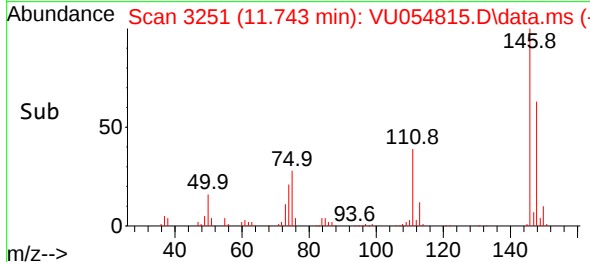
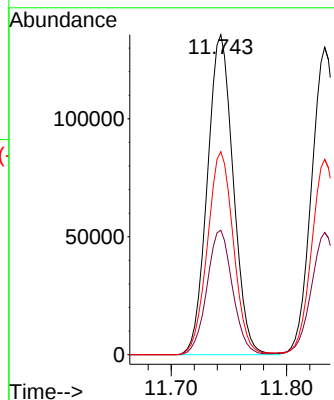
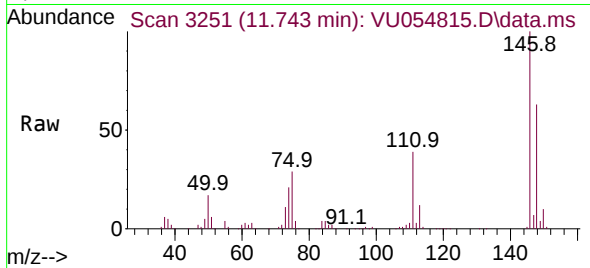




#64
1,3-Dichlorobenzene
Concen: 50.243 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

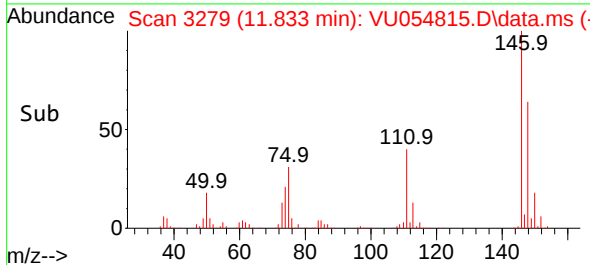
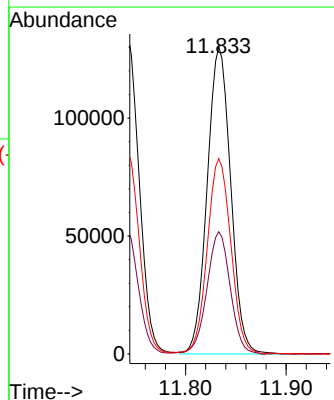
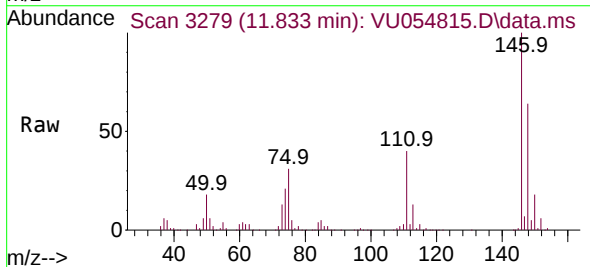
Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

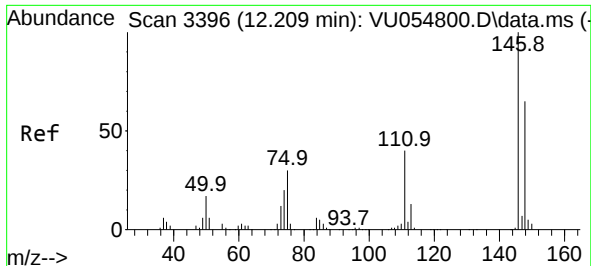
Tgt Ion:146 Resp: 211436
Ion Ratio Lower Upper
146 100
111 38.9 25.2 46.8
148 63.4 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 49.900 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

Tgt Ion:146 Resp: 211508
Ion Ratio Lower Upper
146 100
111 37.2 24.1 44.8
148 59.5 41.0 76.2





#67

1,2-Dichlorobenzene

Concen: 49.957 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD050106

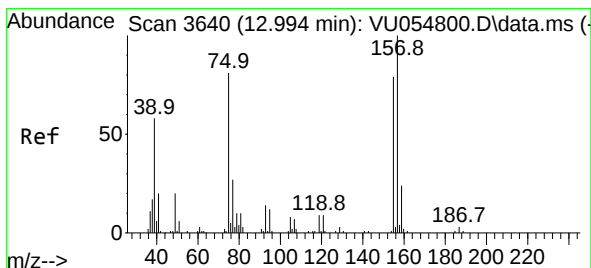
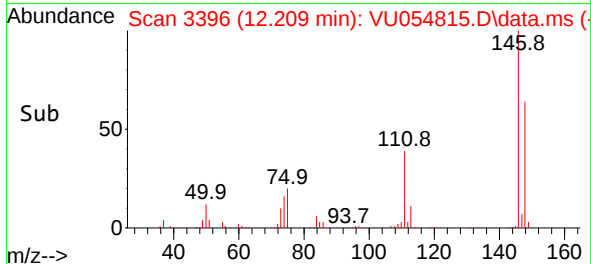
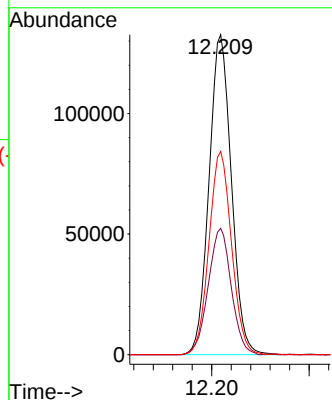
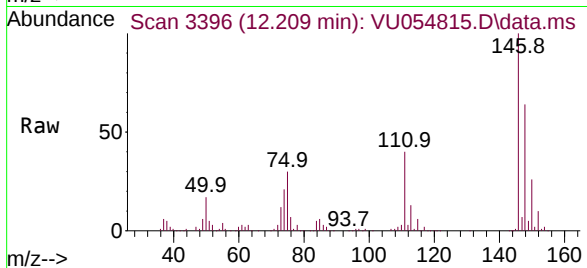
Tgt Ion:146 Resp: 211187

Ion Ratio Lower Upper

146 100

111 39.5 31.5 47.3

148 63.5 53.5 80.3



#68

1,2-Dibromo-3-chloropropane

Concen: 46.062 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

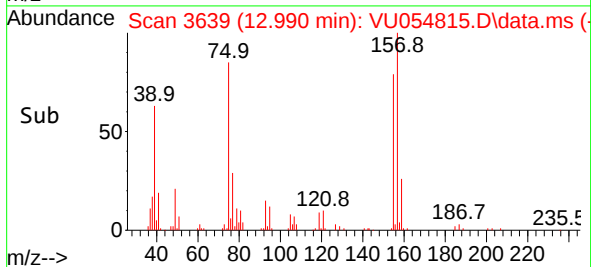
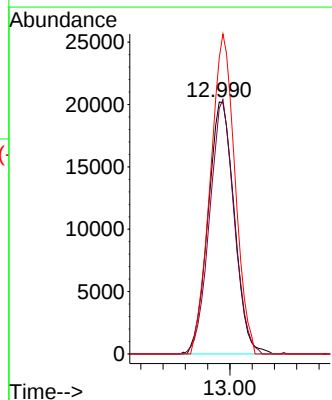
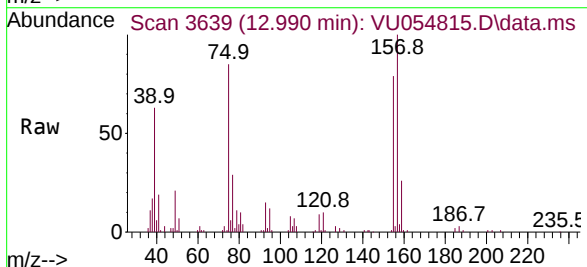
Tgt Ion: 75 Resp: 32990

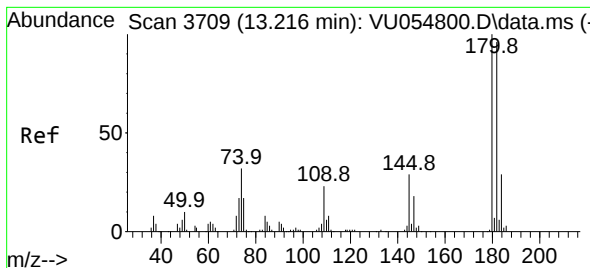
Ion Ratio Lower Upper

75 100

155 97.5 80.6 121.0

157 121.8 106.5 159.7





#69

1,3,5-Trichlorobenzene

Concen: 51.560 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.000 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD050106

Tgt Ion:180 Resp: 145449

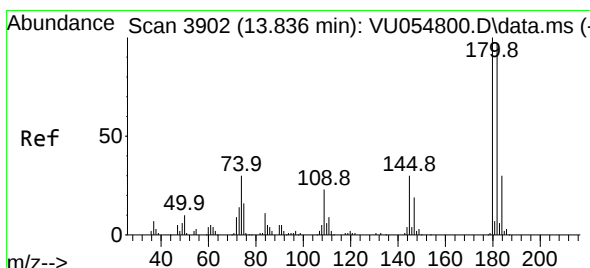
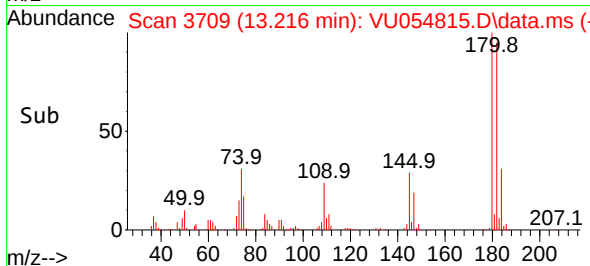
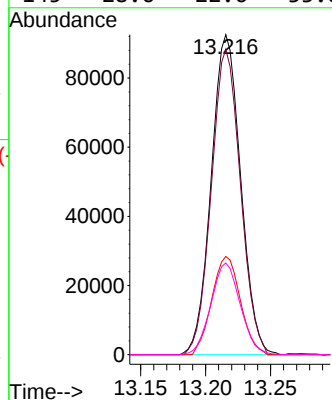
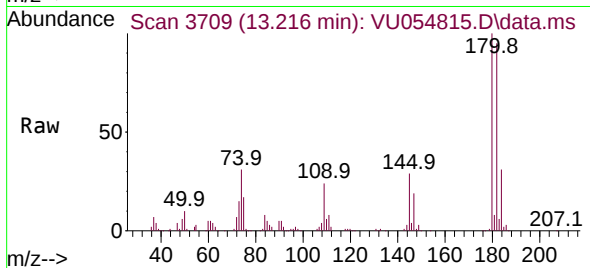
Ion Ratio Lower Upper

180 100

182 94.2 76.7 115.1

184 29.8 23.4 35.0

145 28.6 22.6 33.8



#70

1,2,4-trichlorobenzene

Concen: 51.264 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU054815.D

Acq: 19 Jul 2023 11:51

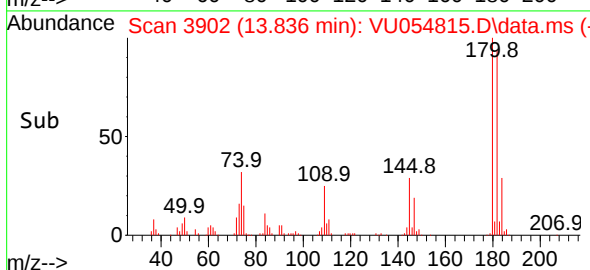
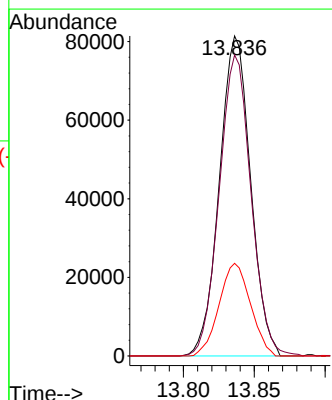
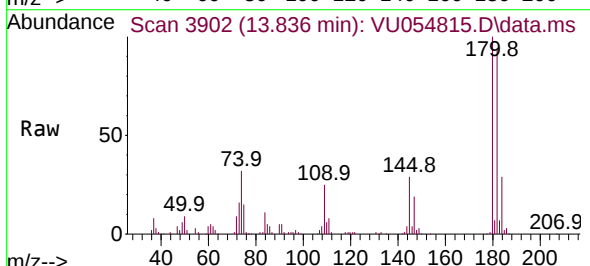
Tgt Ion:180 Resp: 124846

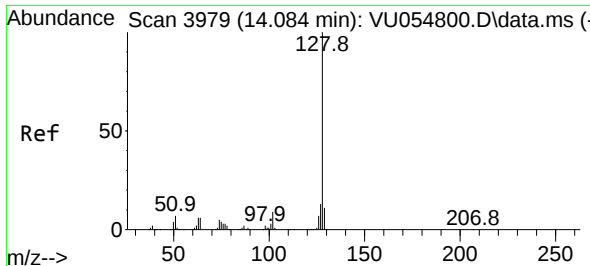
Ion Ratio Lower Upper

180 100

182 95.6 76.8 115.2

145 29.1 23.0 34.6

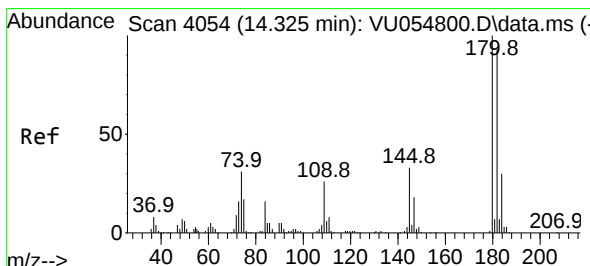
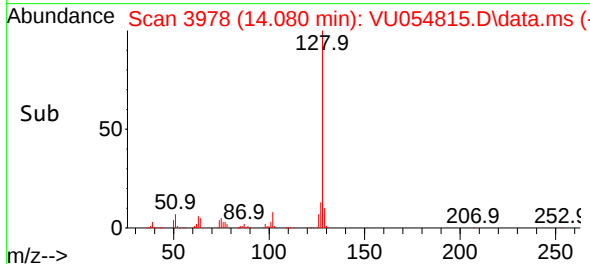
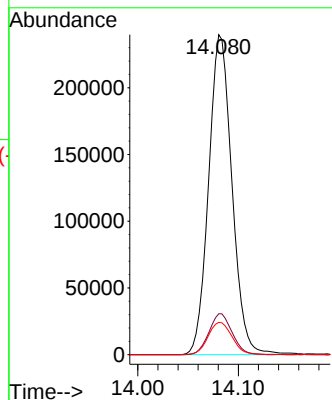
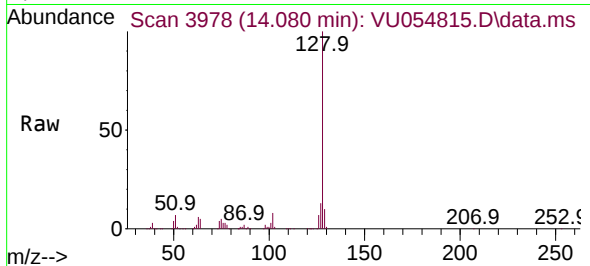




#71
Naphthalene
Concen: 48.278 ug/L
RT: 14.080 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD050106

Tgt Ion:128 Resp: 385900
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 10.4 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 50.343 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU054815.D
Acq: 19 Jul 2023 11:51

Tgt Ion:180 Resp: 119392
Ion Ratio Lower Upper
180 100
182 96.5 76.6 115.0
145 31.1 25.4 38.2

