

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012623\
 Data File : VU052812.D
 Acq On : 26 Jan 2023 11:50
 Operator : JC/MD
 Sample : VSTD010
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 27 04:13:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 04:12:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	275600	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	263843	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	141964	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	19535	6.640	ug/L	0.00
7) Chloroethane-d5	1.912	69	16127	6.948	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	38564	7.711	ug/L	0.00
21) 2-Butanone-d5	4.633	46	22347	12.092	ug/L	0.00
24) Chloroform-d	5.057	84	42402	8.736	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.694	65	27239	8.592	ug/L	0.00
32) Benzene-d6	5.723	84	77160	8.501	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	23287	7.511	ug/L	0.00
41) Toluene-d8	7.893	98	68054	8.739	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	10977	7.959	ug/L	0.00
47) 2-Hexanone-d5	8.636	63	13685	12.519	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	33918	8.157	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	25916	9.272	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	25789	10.352	ug/L	99
3) Chloromethane	1.520	50	22029	6.971	ug/L	99
5) Vinyl chloride	1.604	62	23787	7.888	ug/L	95
6) Bromomethane	1.858	94	14589	9.681	ug/L	98
8) Chloroethane	1.932	64	15273	7.888	ug/L	97
9) Trichlorofluoromethane	2.134	101	40730	11.092	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	22350	10.271	ug/L	97
12) 1,1-Dichloroethene	2.578	96	20935	10.400	ug/L	91
13) Acetone	2.642	43	30694	15.747	ug/L	99
14) Carbon disulfide	2.790	76	61004	9.921	ug/L	98
15) Methyl Acetate	2.948	43	20117	6.763	ug/L	98
16) Methylene chloride	3.041	84	24909	9.476	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	22298	10.548	ug/L	92
18) Methyl tert-butyl Ether	3.359	73	61709	9.170	ug/L	99
19) 1,1-Dichloroethane	3.864	63	39214	8.430	ug/L	98
20) cis-1,2-Dichloroethene	4.658	96	22769	9.696	ug/L	96
22) 2-Butanone	4.710	43	30637	13.587	ug/L	98
23) Bromochloromethane	4.977	128	13138	10.798	ug/L	94
25) Chloroform	5.083	83	43436	9.627	ug/L	95
27) 1,2-Dichloroethane	5.790	62	34501	9.297	ug/L	98
29) Cyclohexane	5.382	56	29622	8.379	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	39790	11.141	ug/L	99
31) Carbon tetrachloride	5.520	117	32841	10.956	ug/L	97
33) Benzene	5.768	78	89861	9.527	ug/L	100
34) Trichloroethene	6.539	95	22748	10.357	ug/L	95
35) Methylcyclohexane	6.761	83	33804	9.720	ug/L	99
37) 1,2-Dichloropropane	6.787	63	21812	8.083	ug/L	99
38) Bromodichloromethane	7.099	83	32328	9.673	ug/L	97
39) cis-1,3-Dichloropropene	7.603	75	32621	8.897	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	48412	13.759	ug/L	97
42) Toluene	7.967	91	88250	9.589	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	31474	8.900	ug/L	95

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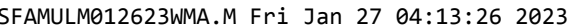
Quant Time: Jan 27 04:13:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 04:12:04 2023
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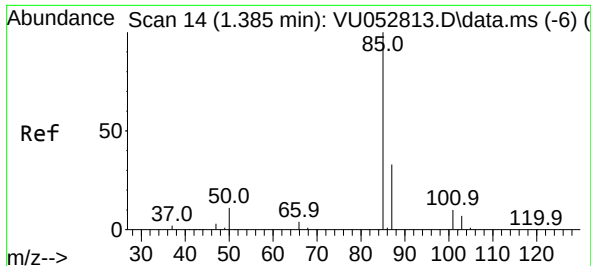
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.394	97	22569	9.801	ug/L	96
46) Tetrachloroethene	8.549	164	19513	12.298	ug/L	97
48) 2-Hexanone	8.687	43	42598	14.675	ug/L	97
49) Dibromochloromethane	8.806	129	26756	10.857	ug/L	97
50) 1,2-Dibromoethane	8.919	107	24079	10.231	ug/L #	99
51) Chlorobenzene	9.443	112	62020	10.479	ug/L	97
52) Ethylbenzene	9.565	91	89626	9.338	ug/L	99
53) m,p-Xylene	9.690	106	36080	9.917	ug/L	99
54) o-xylene	10.095	106	33420	9.539	ug/L	92
55) Styrene	10.111	104	57006	9.258	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	37816	9.217	ug/L	98
59) Bromoform	10.288	173	19962	11.729	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	29746	9.367	ug/L	99
61) Isopropylbenzene	10.481	105	84308	9.576	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	67629	9.357	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	63407	8.909	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	44702	10.547	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	47257	10.598	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	46279	10.596	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	7765	8.747	ug/L	97
69) 1,3,5-Trichlorobenzene	13.214	180	32452	10.736	ug/L	97
70) 1,2,4-trichlorobenzene	13.835	180	24447	9.573	ug/L	97
71) Naphthalene	14.082	128	62185	7.977	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	26515	10.066	ug/L	97

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

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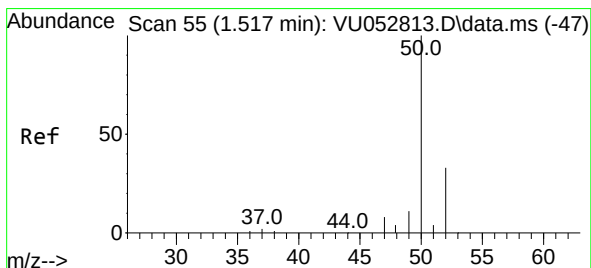
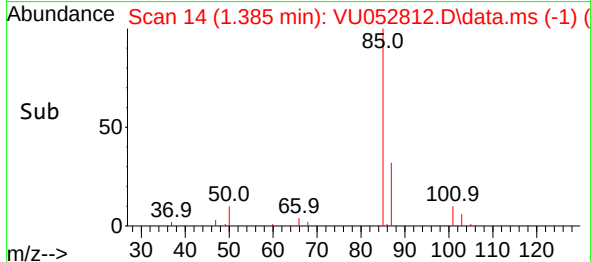
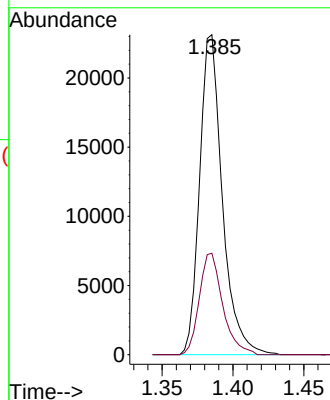
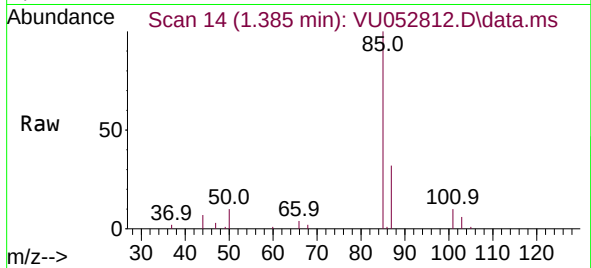




#2
Dichlorodifluoromethane
Concen: 10.352 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

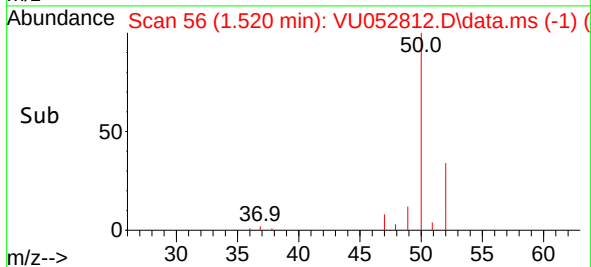
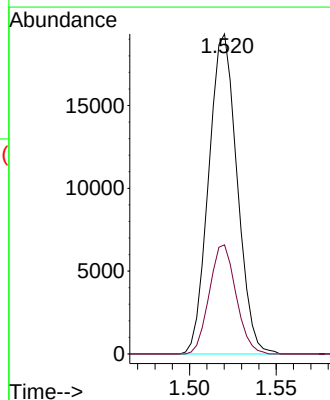
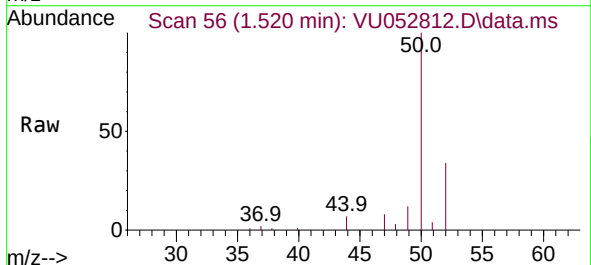
Instrument :
MSVOA_U
ClientSampleId :

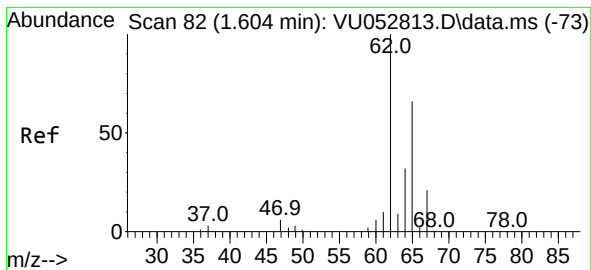
Tgt Ion: 85 Resp: 25789
Ion Ratio Lower Upper
85 100
87 32.6 26.4 39.6



#3
Chloromethane
Concen: 6.971 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.003 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

Tgt Ion: 50 Resp: 22029
Ion Ratio Lower Upper
50 100
52 34.1 23.4 43.4





#5

Vinyl chloride

Concen: 7.888 ug/L

RT: 1.604 min Scan# 82

Delta R.T. -0.000 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

Instrument :

MSVOA_U

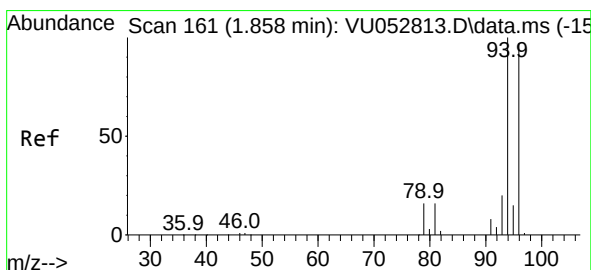
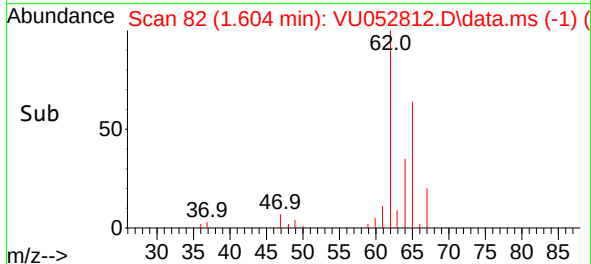
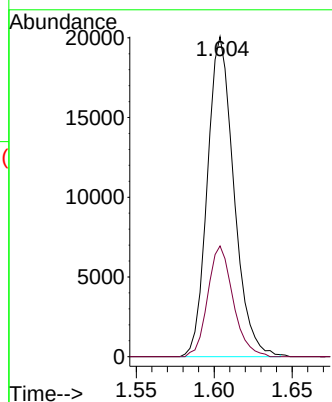
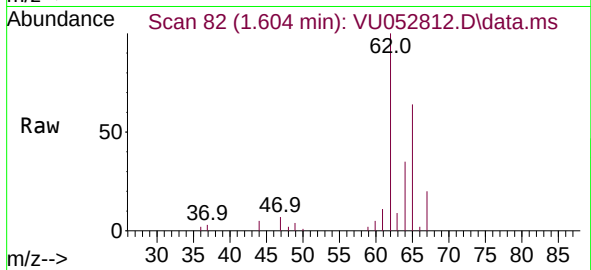
ClientSampleId :

Tgt Ion: 62 Resp: 23787

Ion Ratio Lower Upper

62 100

64 34.6 22.4 41.6



#6

Bromomethane

Concen: 9.681 ug/L

RT: 1.858 min Scan# 161

Delta R.T. -0.000 min

Lab File: VU052812.D

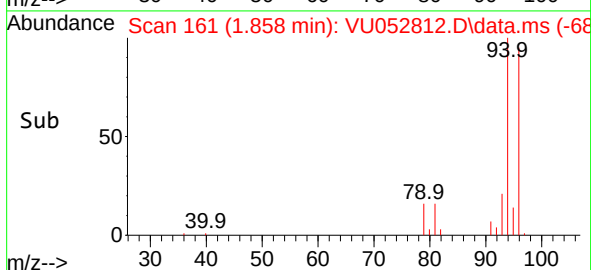
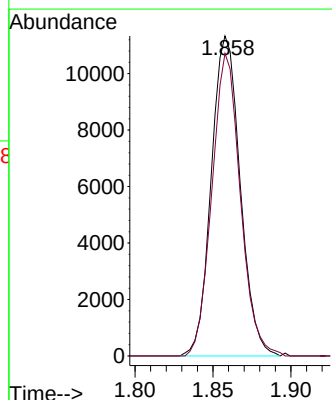
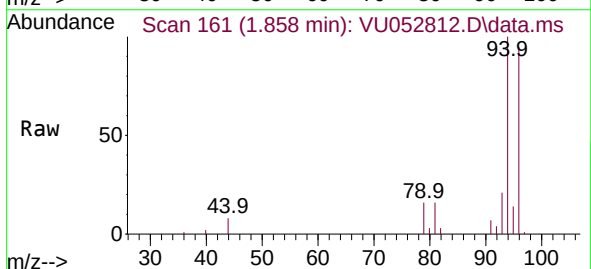
Acq: 26 Jan 2023 11:50

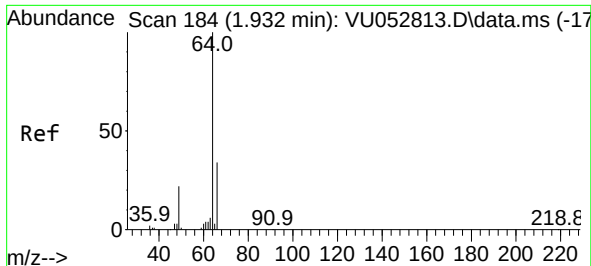
Tgt Ion: 94 Resp: 14589

Ion Ratio Lower Upper

94 100

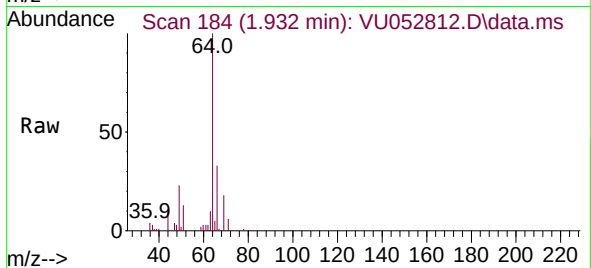
96 94.5 67.8 125.8



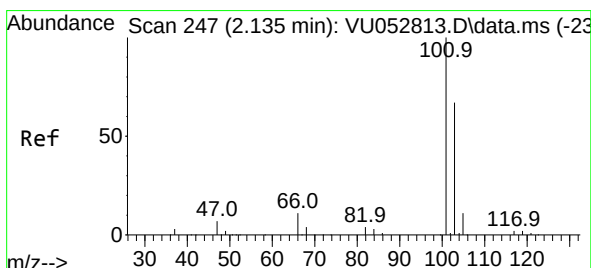
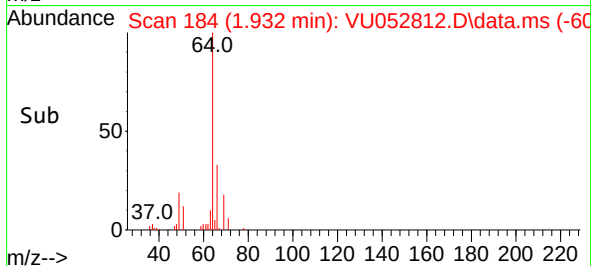
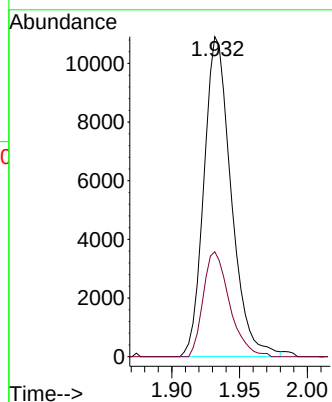


#8
Chloroethane
Concen: 7.888 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

Instrument :
MSVOA_U
ClientSampleId :

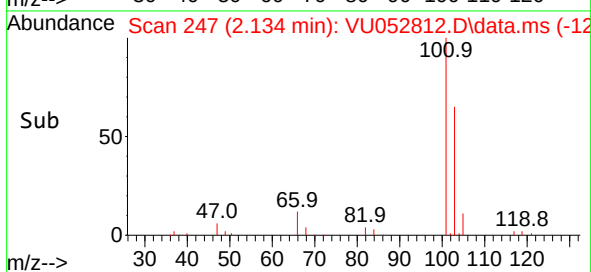
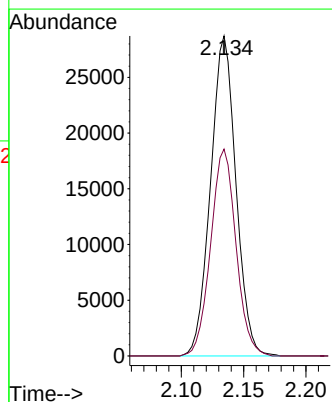
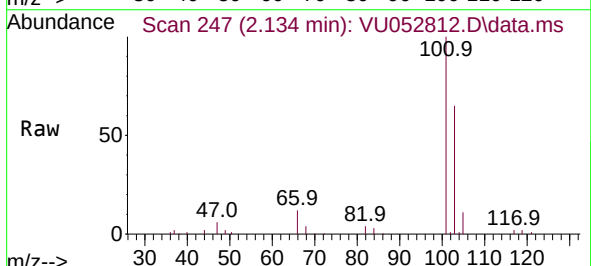


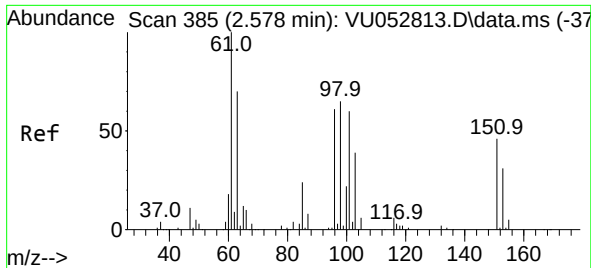
Tgt Ion: 64 Resp: 15273
Ion Ratio Lower Upper
64 100
66 32.8 24.1 44.7



#9
Trichlorofluoromethane
Concen: 11.092 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.000 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

Tgt Ion: 101 Resp: 40730
Ion Ratio Lower Upper
101 100
103 64.5 52.0 78.0





#10

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

Concen: 10.271 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.004 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

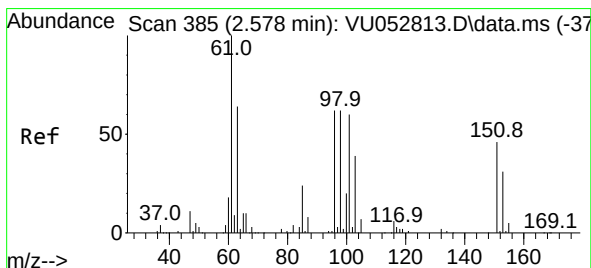
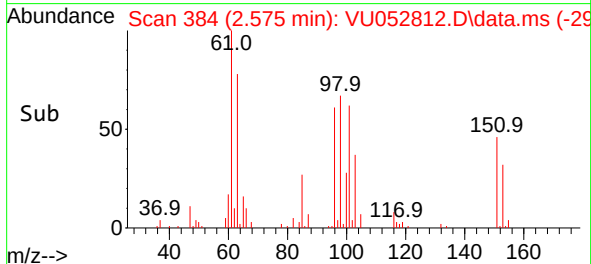
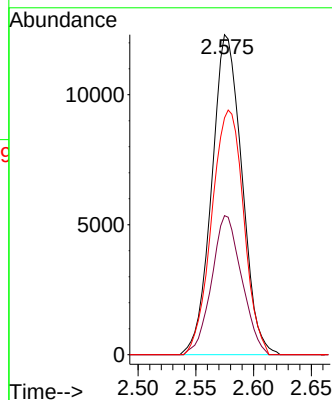
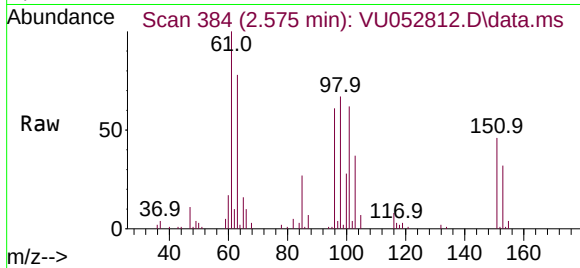
Tgt Ion:101 Resp: 22350

Ion Ratio Lower Upper

101 100

85 43.4 32.9 49.3

151 81.0 62.6 94.0



#12

1,1-Dichloroethene

Concen: 10.400 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

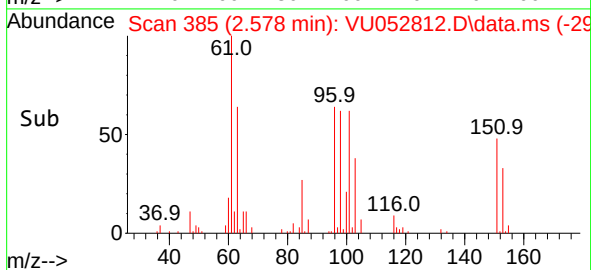
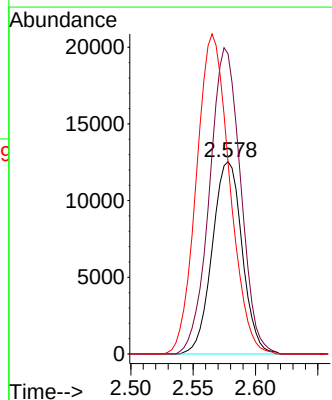
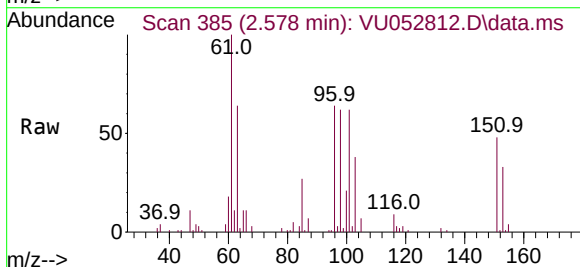
Tgt Ion: 96 Resp: 20935

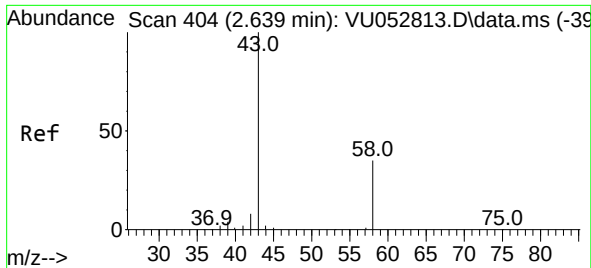
Ion Ratio Lower Upper

96 100

61 156.0 114.3 212.3

63 99.7 80.6 149.6





#13

Acetone

Concen: 15.747 ug/L

RT: 2.642 min Scan# 404

Delta R.T. 0.003 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

Instrument :

MSVOA_U

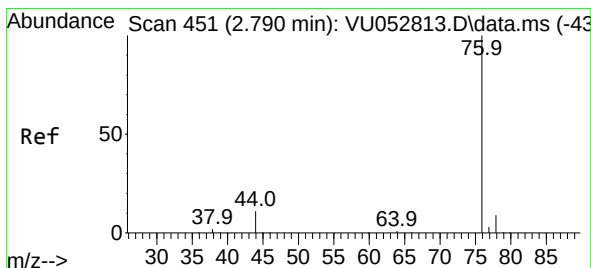
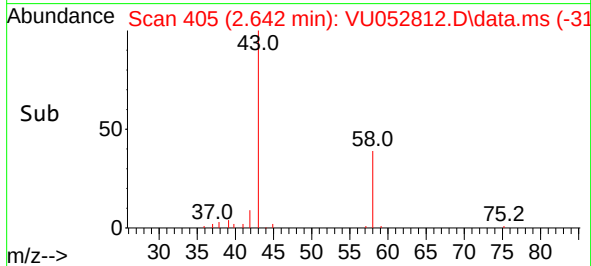
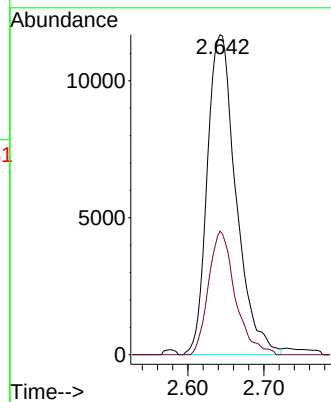
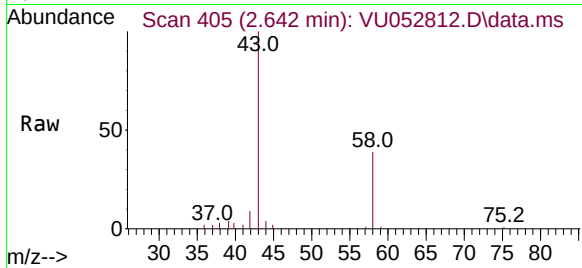
ClientSampleId :

Tgt Ion: 43 Resp: 30694

Ion Ratio Lower Upper

43 100

58 35.8 0.0 70.2



#14

Carbon disulfide

Concen: 9.921 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU052812.D

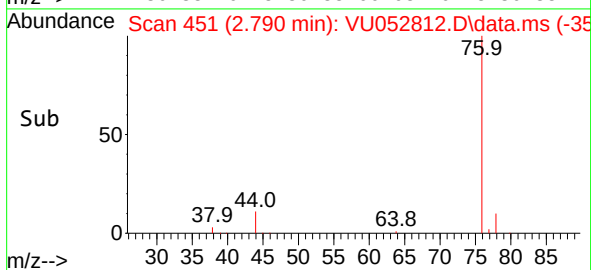
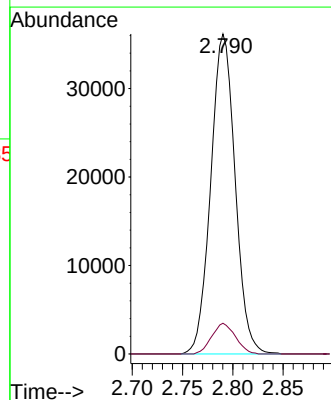
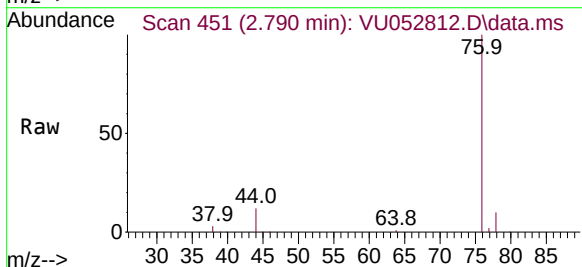
Acq: 26 Jan 2023 11:50

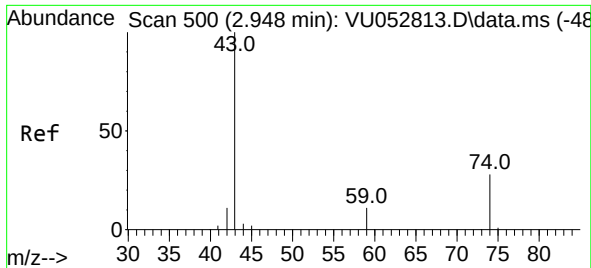
Tgt Ion: 76 Resp: 61004

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7

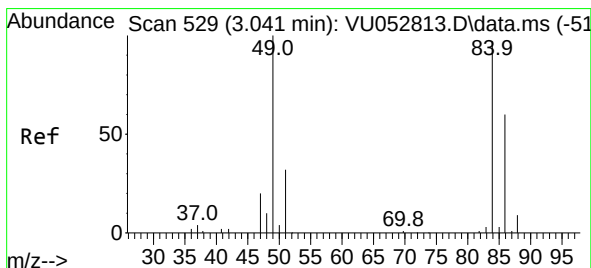
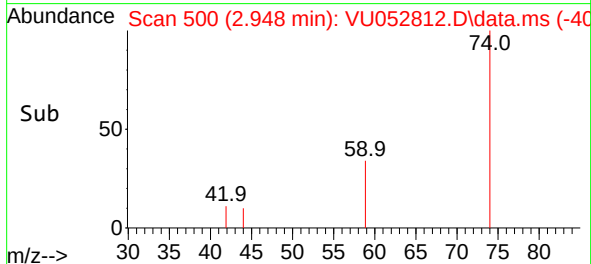
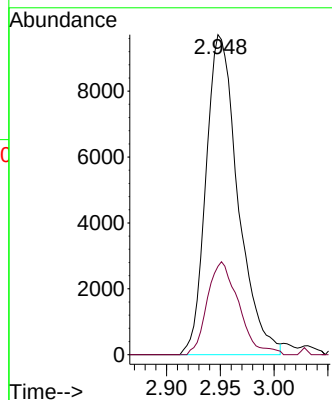
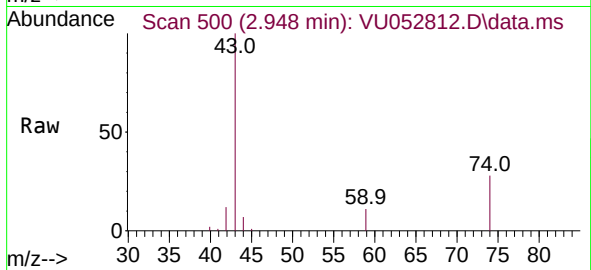




#15
Methyl Acetate
Concen: 6.763 ug/L
RT: 2.948 min Scan# 500
Delta R.T. -0.000 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

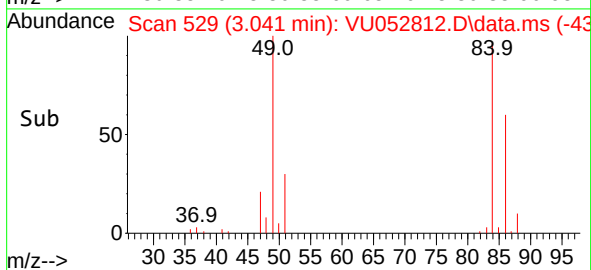
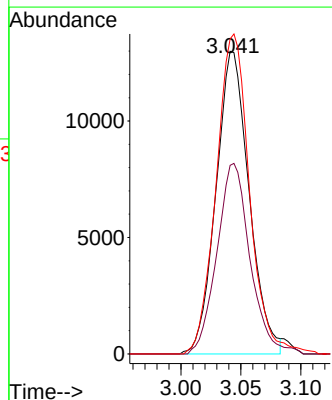
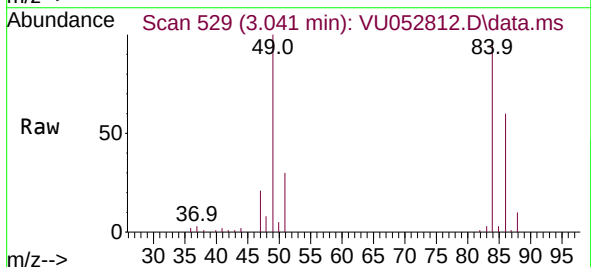
Instrument :
MSVOA_U
ClientSampleId :

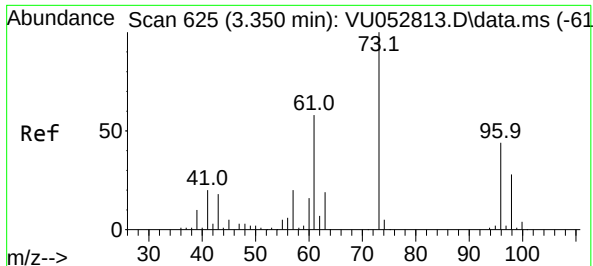
Tgt Ion: 43 Resp: 20117
Ion Ratio Lower Upper
43 100
74 28.5 22.0 33.0



#16
Methylene chloride
Concen: 9.476 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

Tgt Ion: 84 Resp: 24909
Ion Ratio Lower Upper
84 100
86 62.3 43.4 80.6
49 104.1 72.4 134.5





#17

trans-1,2-Dichloroethene

Concen: 10.548 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

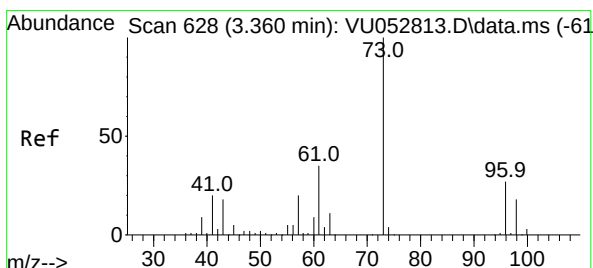
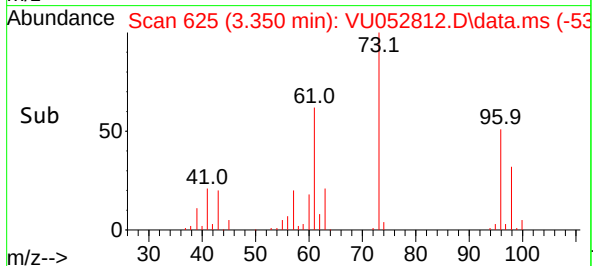
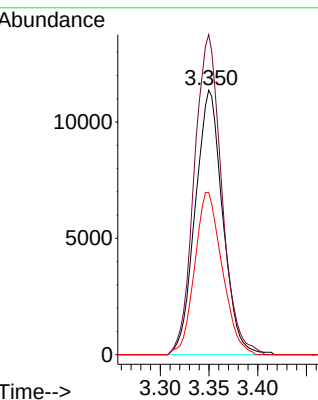
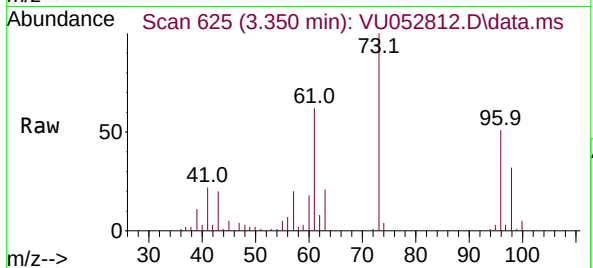
Tgt Ion: 96 Resp: 22298

Ion Ratio Lower Upper

96 100

61 121.0 92.7 172.3

98 61.4 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 9.170 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

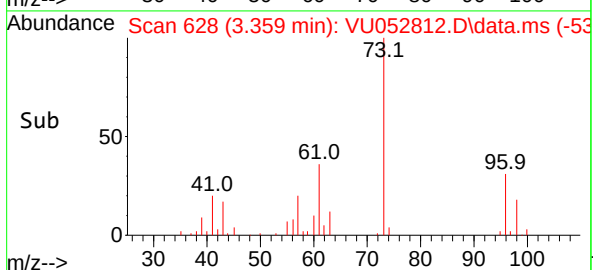
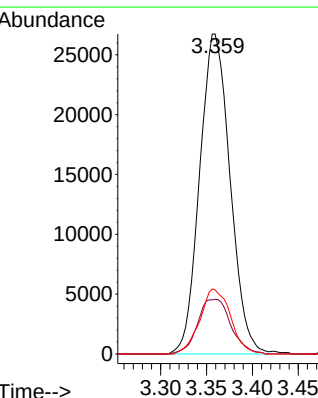
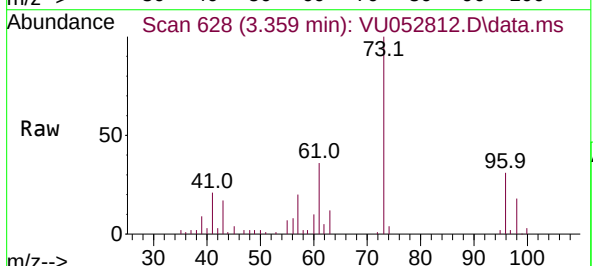
Tgt Ion: 73 Resp: 61709

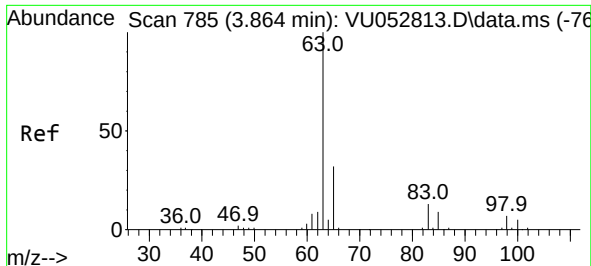
Ion Ratio Lower Upper

73 100

43 18.7 14.2 21.2

57 20.5 16.3 24.5





#19

1,1-Dichloroethane

Concen: 8.430 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU052812.D

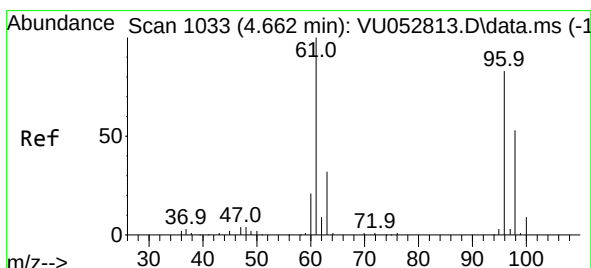
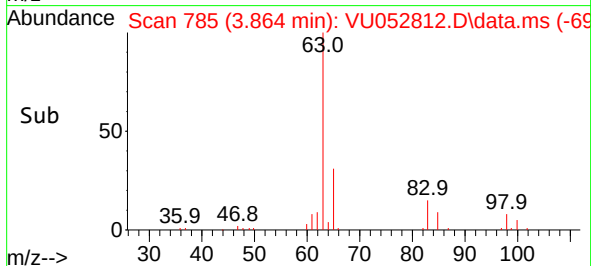
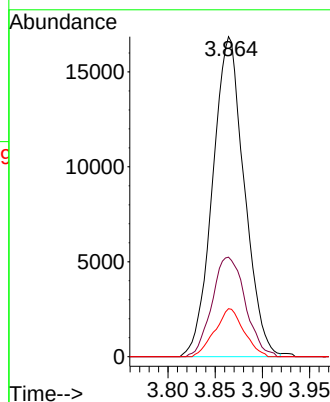
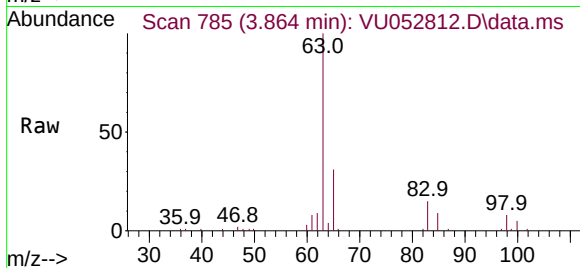
Acq: 26 Jan 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 39214
Ion Ratio	Lower Upper
63	100
65	31.1 22.4 41.6
83	15.0 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 9.696 ug/L

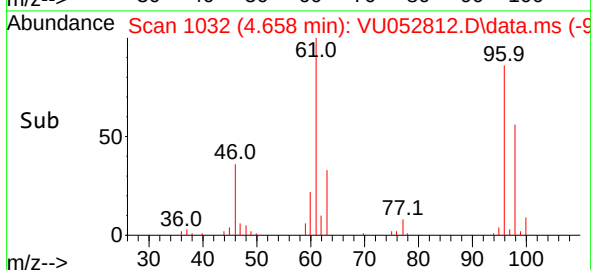
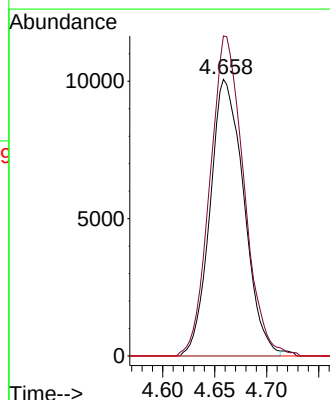
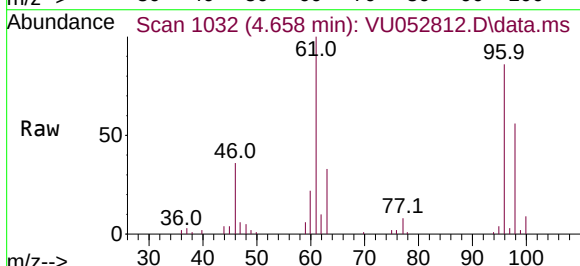
RT: 4.658 min Scan# 1032

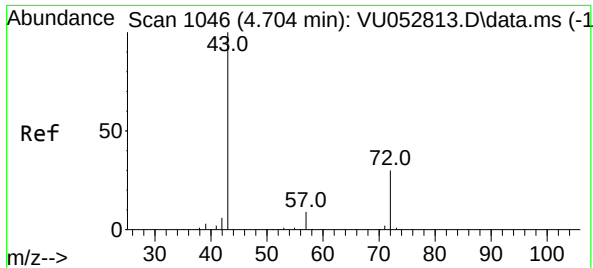
Delta R.T. -0.004 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

Tgt Ion: 96	Resp: 22769
Ion Ratio	Lower Upper
96	100
61	115.7 84.1 156.1
68	0.0 0.0 0.0

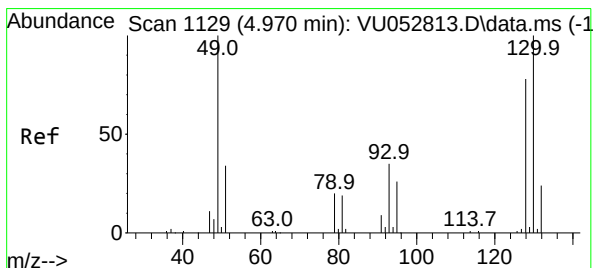
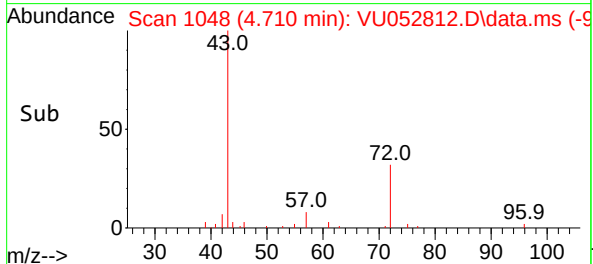
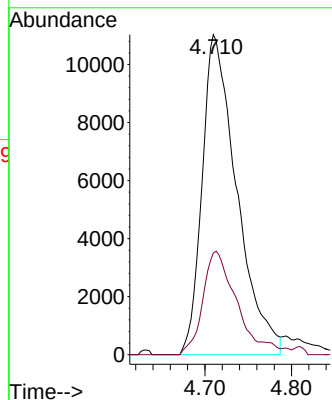
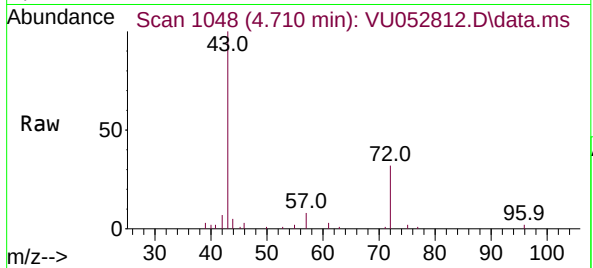




#22
2-Butanone
Concen: 13.587 ug/L
RT: 4.710 min Scan# 1046
Delta R.T. 0.006 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

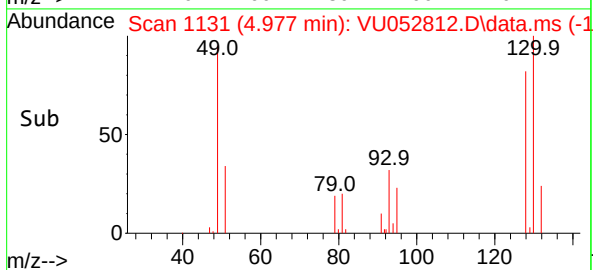
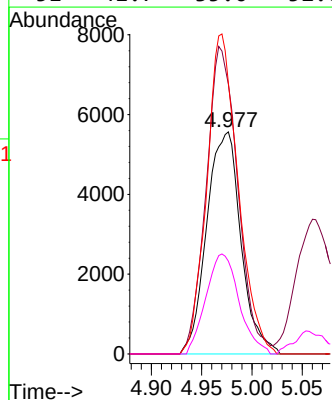
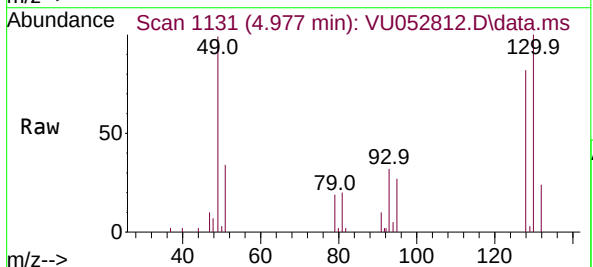
Instrument :
MSVOA_U
ClientSampleId :

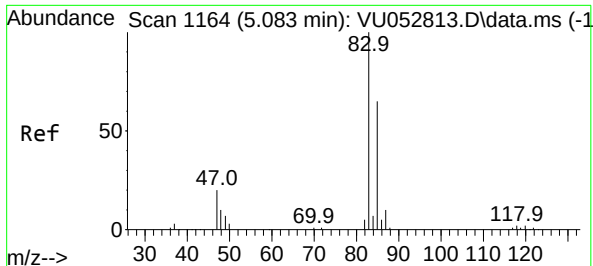
Tgt Ion: 43 Resp: 30637
Ion Ratio Lower Upper
43 100
72 29.7 15.5 46.5



#23
Bromochloromethane
Concen: 10.798 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

Tgt Ion: 128 Resp: 13138
Ion Ratio Lower Upper
128 100
49 121.4 90.1 167.3
130 122.1 90.1 167.3
51 41.7 35.0 52.6





#25

Chloroform

Concen: 9.627 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

Instrument :

MSVOA_U

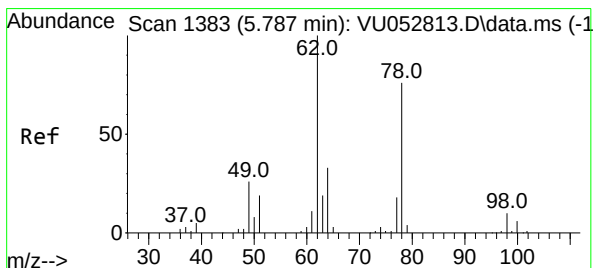
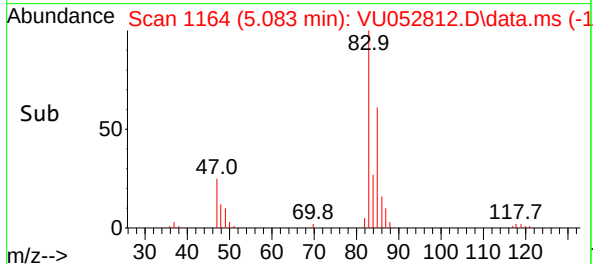
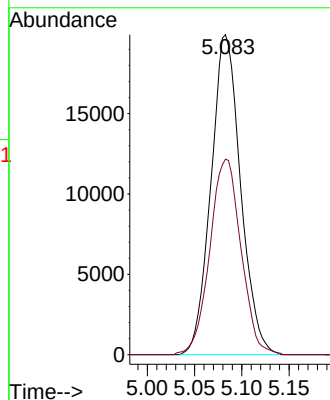
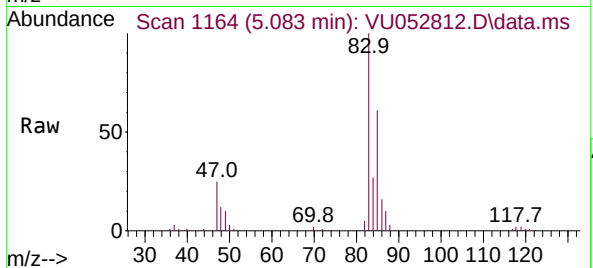
ClientSampleId :

Tgt Ion: 83 Resp: 43436

Ion Ratio Lower Upper

83 100

85 61.1 45.8 85.0



#27

1,2-Dichloroethane

Concen: 9.297 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.003 min

Lab File: VU052812.D

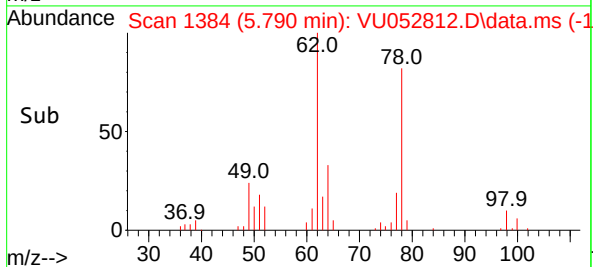
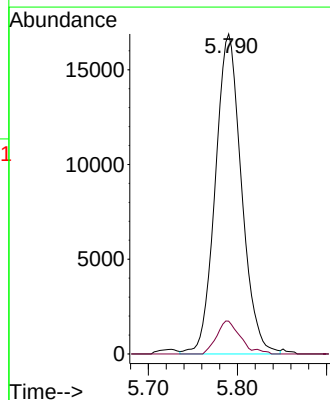
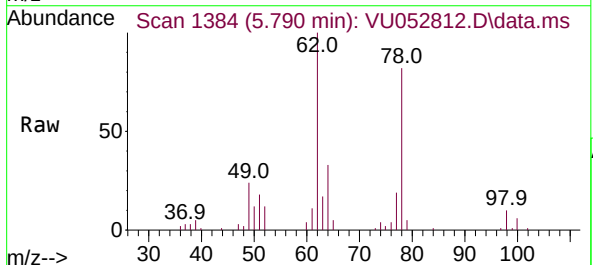
Acq: 26 Jan 2023 11:50

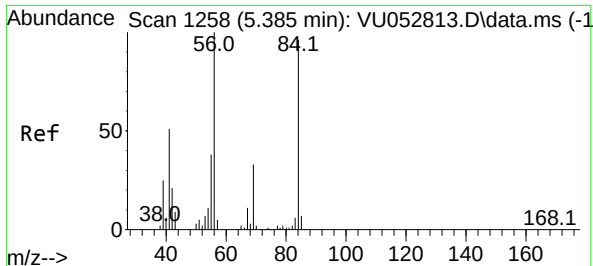
Tgt Ion: 62 Resp: 34501

Ion Ratio Lower Upper

62 100

98 10.2 7.6 11.4





#29

Cyclohexane

Concen: 8.379 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.004 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

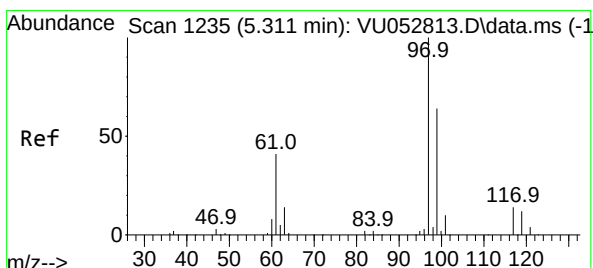
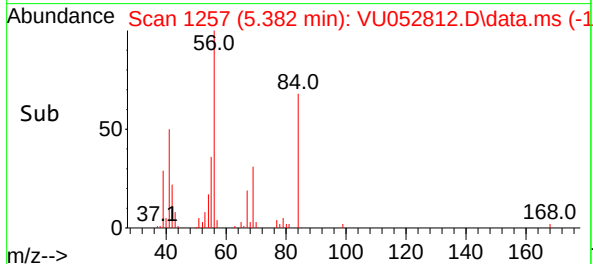
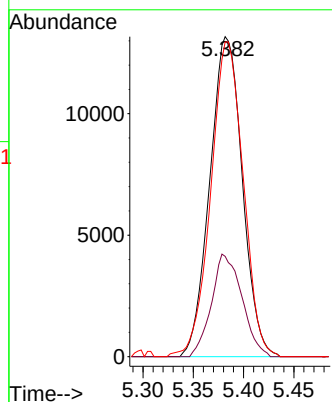
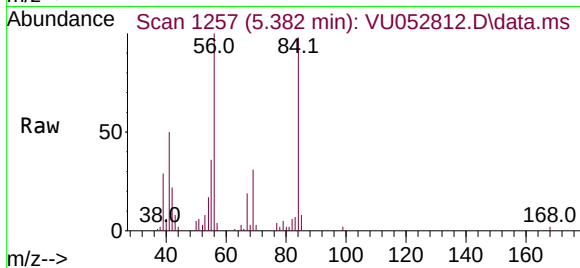
Tgt Ion: 56 Resp: 29622

Ion Ratio Lower Upper

56 100

69 30.0 26.6 40.0

84 98.0 77.0 115.4



#30

1,1,1-Trichloroethane

Concen: 11.141 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

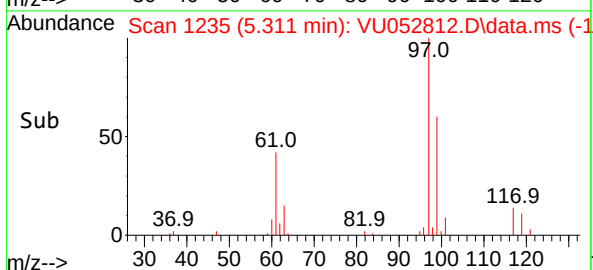
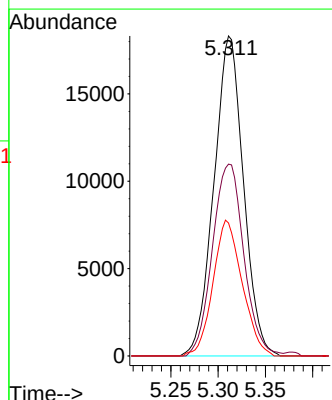
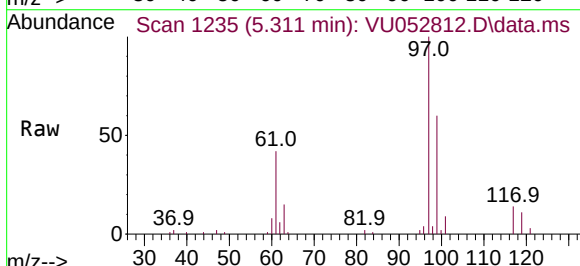
Tgt Ion: 97 Resp: 39790

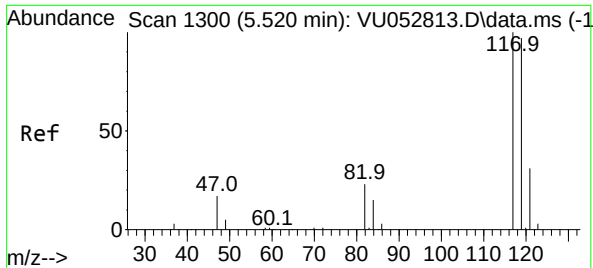
Ion Ratio Lower Upper

97 100

99 63.8 51.4 77.0

61 42.0 33.0 49.6

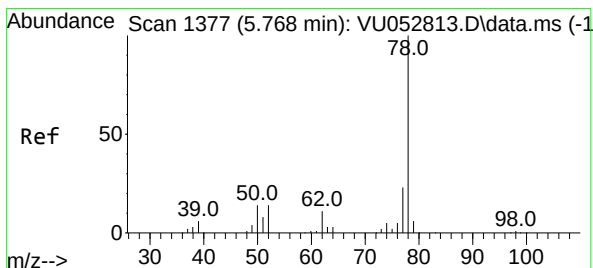
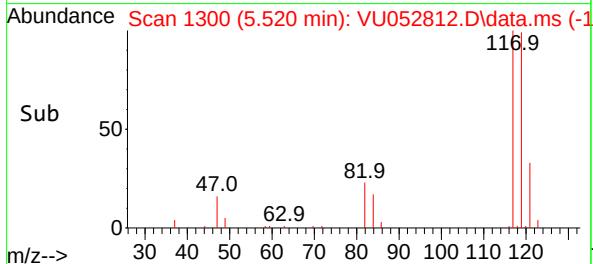
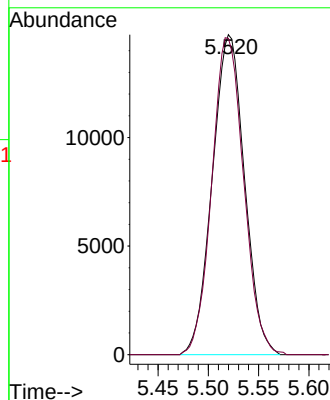
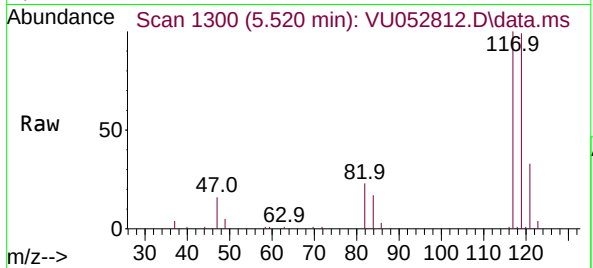




#31
Carbon tetrachloride
Concen: 10.956 ug/L
RT: 5.520 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

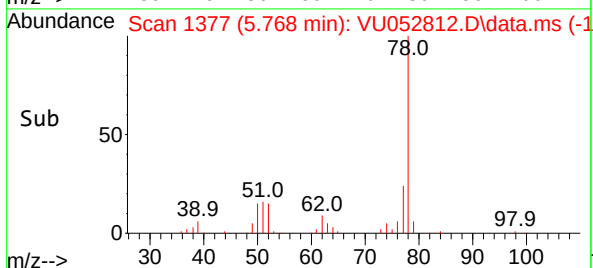
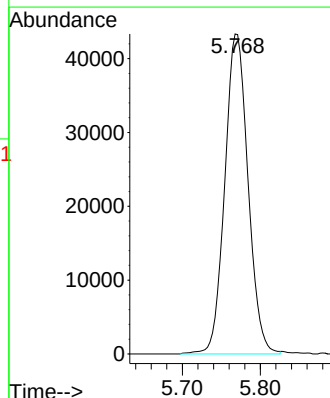
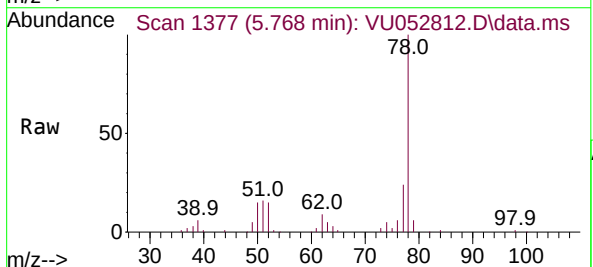
Instrument :
MSVOA_U
ClientSampleId :

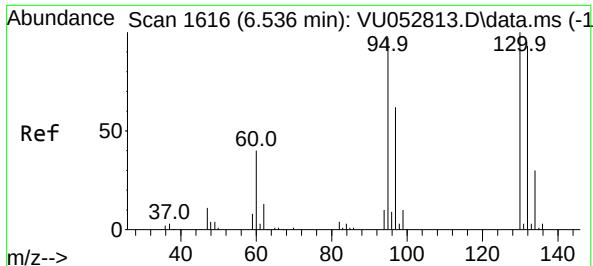
Tgt Ion:117 Resp: 32841
Ion Ratio Lower Upper
117 100
119 97.9 76.2 114.4



#33
Benzene
Concen: 9.527 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

Tgt Ion: 78 Resp: 89861

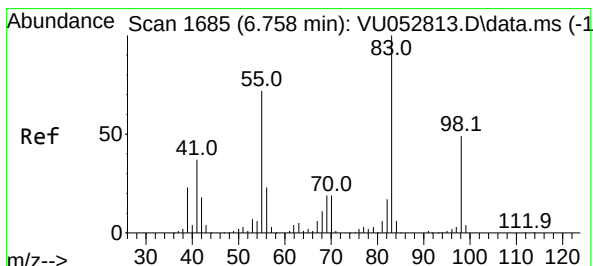
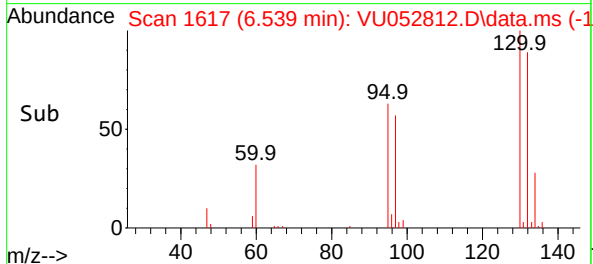
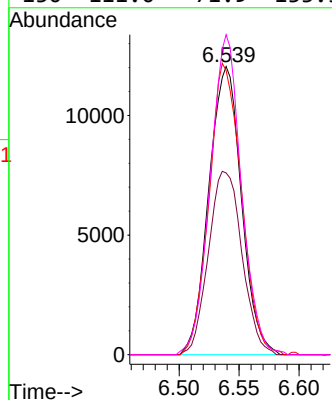
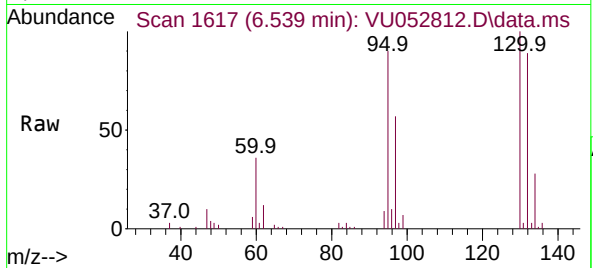




#34
Trichloroethene
Concen: 10.357 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

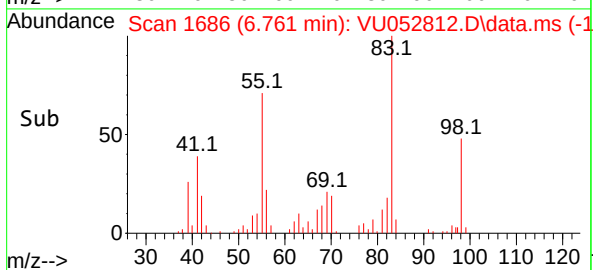
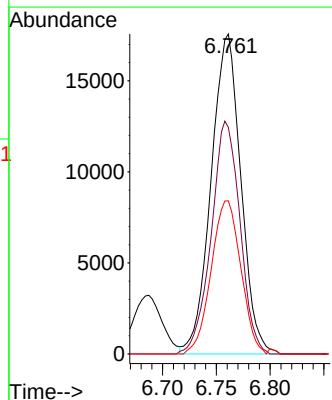
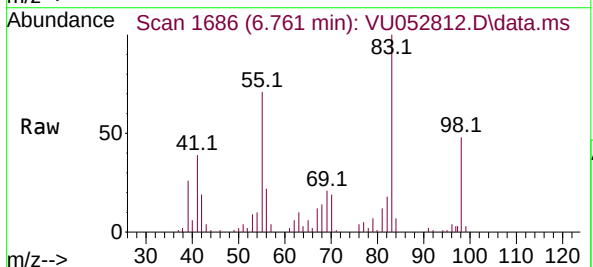
Instrument :
MSVOA_U
ClientSampleId :

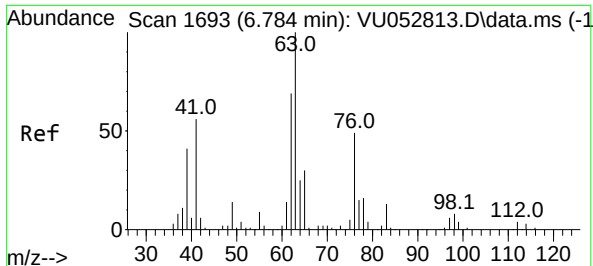
Tgt Ion: 95 Resp: 22748
Ion Ratio Lower Upper
95 100
97 63.1 44.5 82.7
132 98.6 66.8 124.0
130 111.0 71.9 133.5



#35
Methylcyclohexane
Concen: 9.720 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.003 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

Tgt Ion: 83 Resp: 33804
Ion Ratio Lower Upper
83 100
55 70.3 57.1 85.7
98 47.6 38.9 58.3





#37

1,2-Dichloropropane

Concen: 8.083 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

Instrument :

MSVOA_U

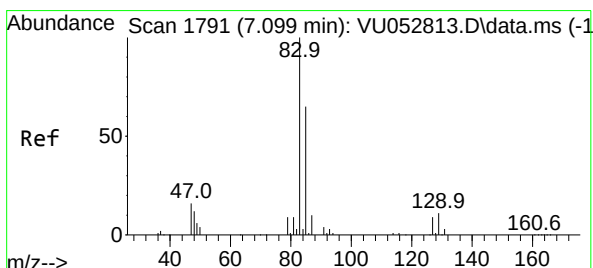
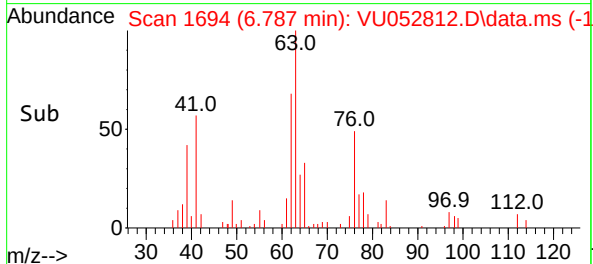
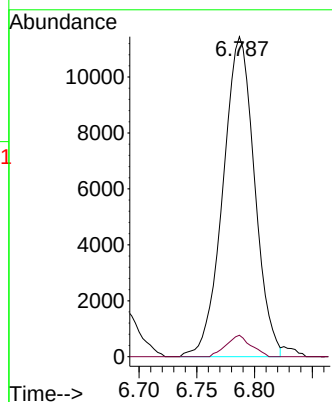
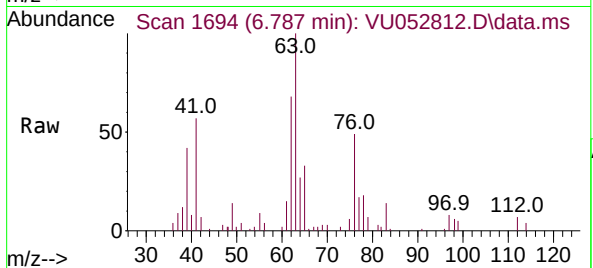
ClientSampleId :

Tgt Ion: 63 Resp: 21812

Ion Ratio Lower Upper

63 100

112 5.2 3.8 5.8



#38

Bromodichloromethane

Concen: 9.673 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

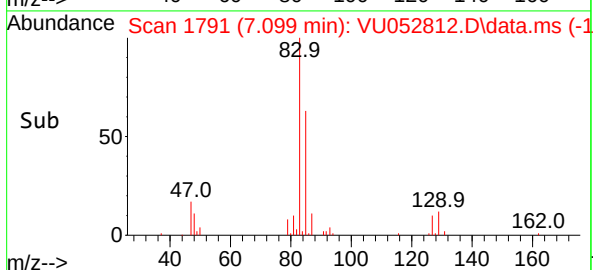
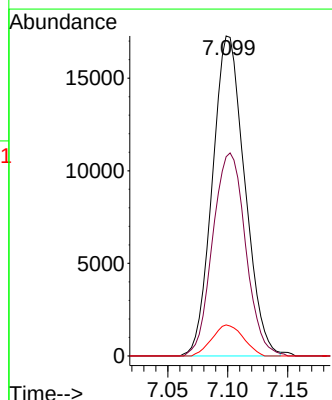
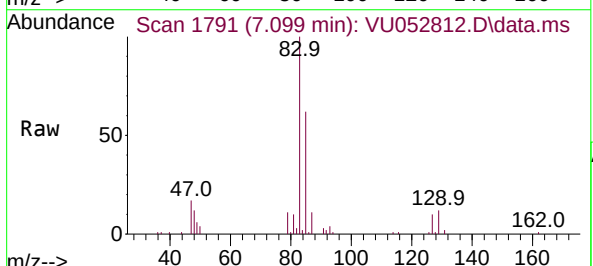
Tgt Ion: 83 Resp: 32328

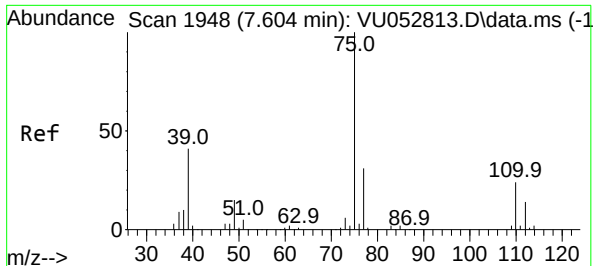
Ion Ratio Lower Upper

83 100

85 62.3 45.2 84.0

127 9.7 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 8.897 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

Instrument :

MSVOA_U

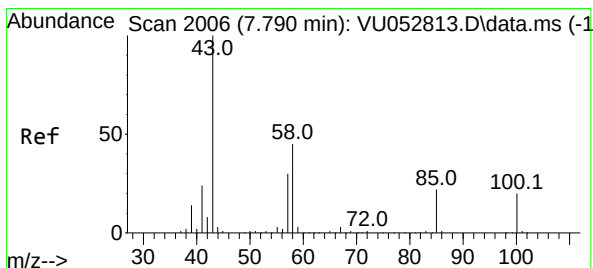
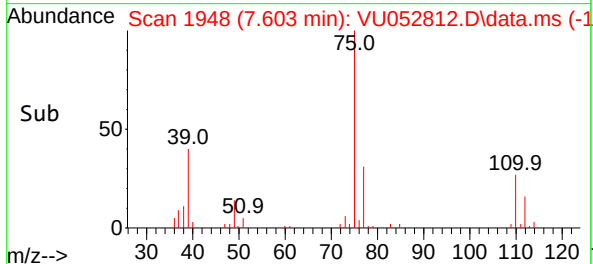
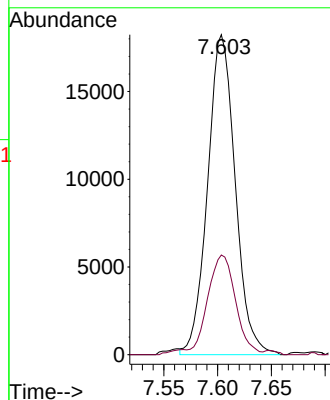
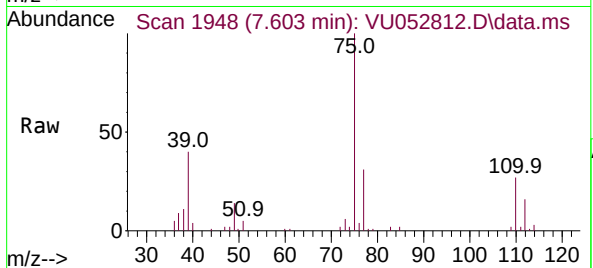
ClientSampleId :

Tgt Ion: 75 Resp: 32621

Ion Ratio Lower Upper

75 100

77 31.1 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 13.759 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

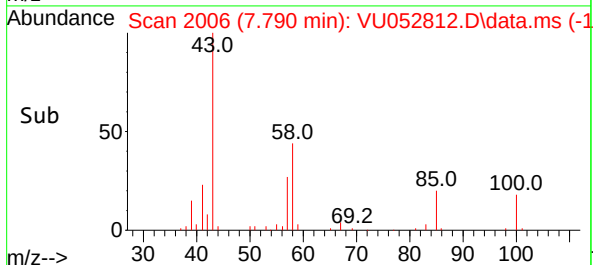
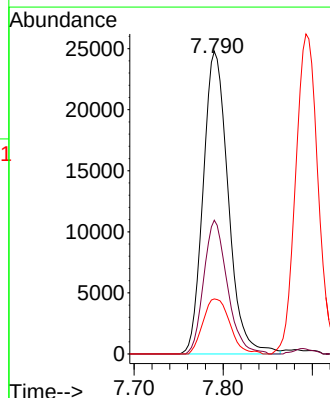
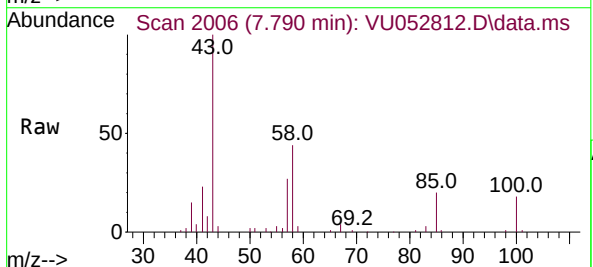
Tgt Ion: 43 Resp: 48412

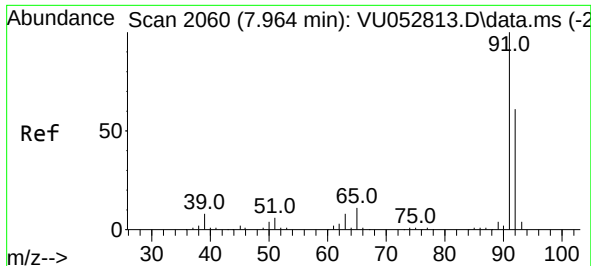
Ion Ratio Lower Upper

43 100

58 41.7 35.4 53.2

100 19.2 16.0 24.0





#42

Toluene

Concen: 9.589 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

Instrument :

MSVOA_U

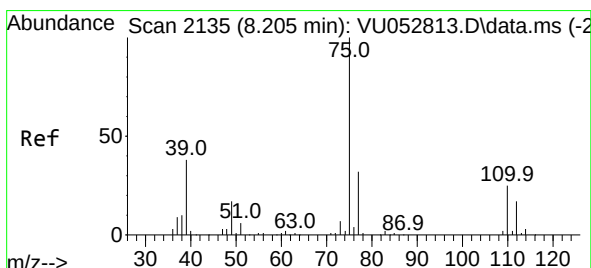
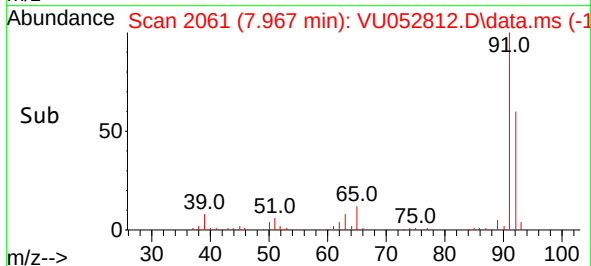
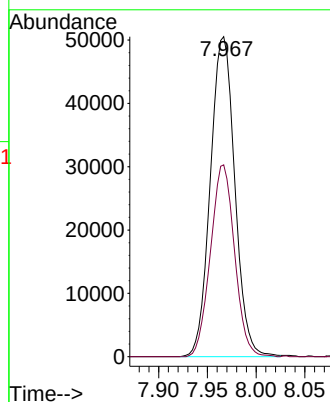
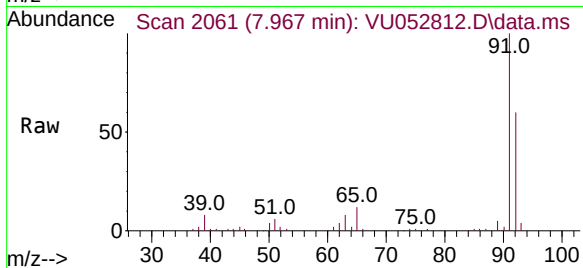
ClientSampleId :

Tgt Ion: 91 Resp: 88250

Ion Ratio Lower Upper

91 100

92 59.9 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 8.900 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU052812.D

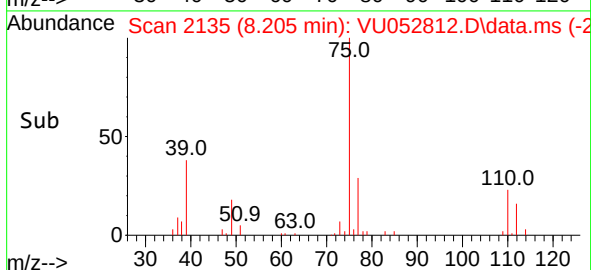
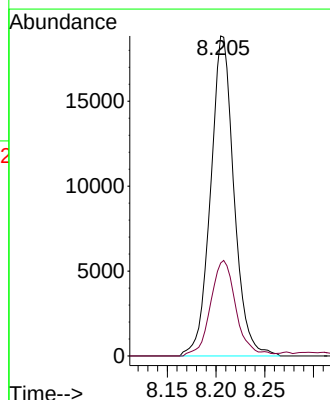
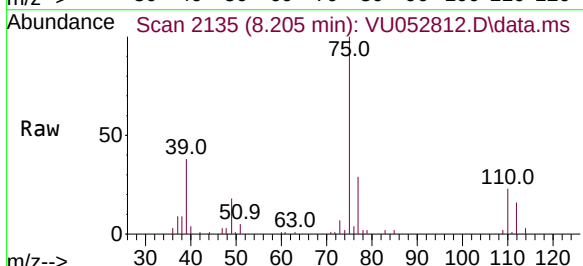
Acq: 26 Jan 2023 11:50

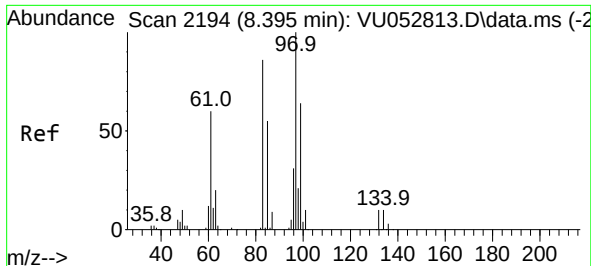
Tgt Ion: 75 Resp: 31474

Ion Ratio Lower Upper

75 100

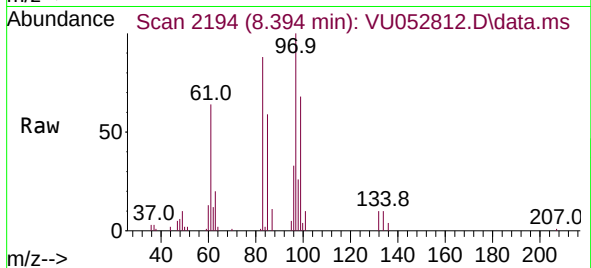
77 29.0 22.3 41.3



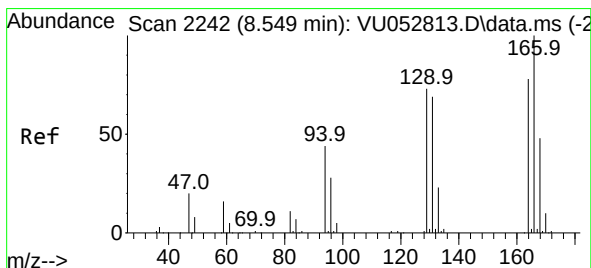
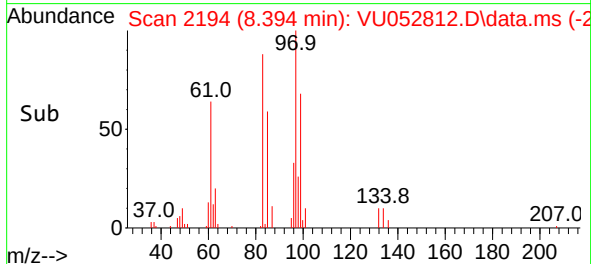
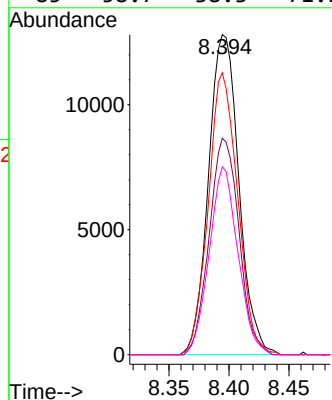


#45
1,1,2-Trichloroethane
Concen: 9.801 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

Instrument :
MSVOA_U
ClientSampleId :

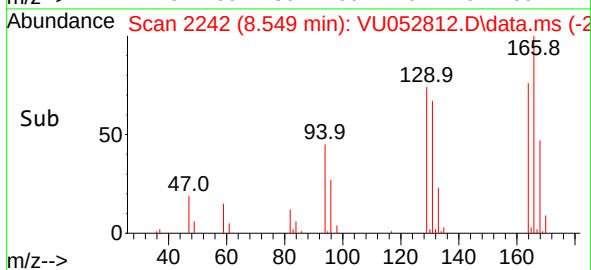
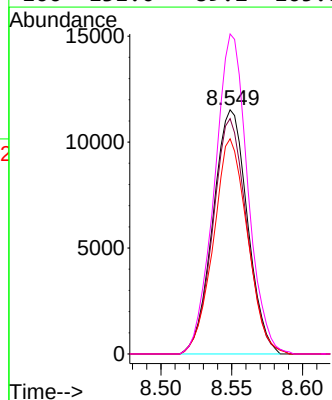
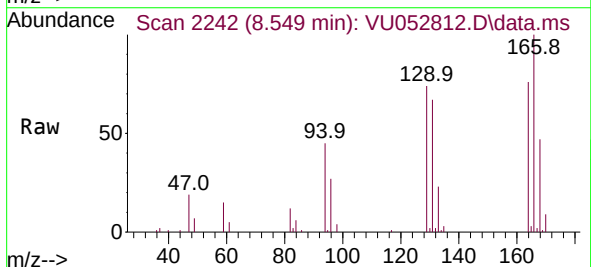


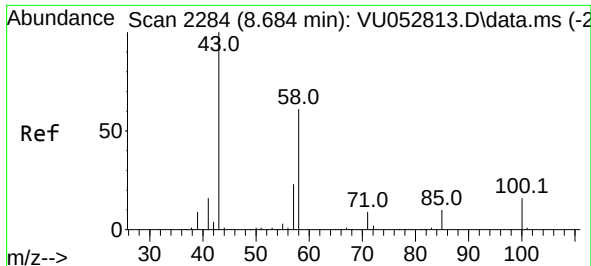
Tgt Ion:	97	Resp:	22569
Ion	Ratio	Lower	Upper
97	100		
99	67.6	44.7	83.1
83	88.1	60.3	112.1
85	58.7	38.3	71.1



#46
Tetrachloroethene
Concen: 12.298 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

Tgt Ion:	164	Resp:	19513
Ion	Ratio	Lower	Upper
164	100		
129	96.4	64.8	120.3
131	88.1	61.2	113.6
166	131.0	89.2	165.8

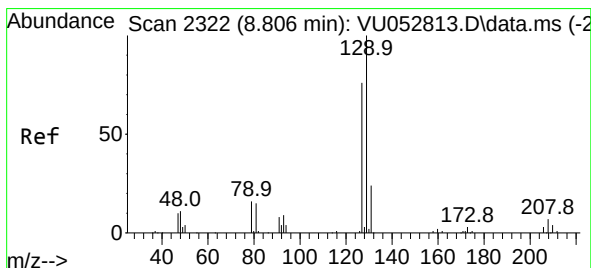
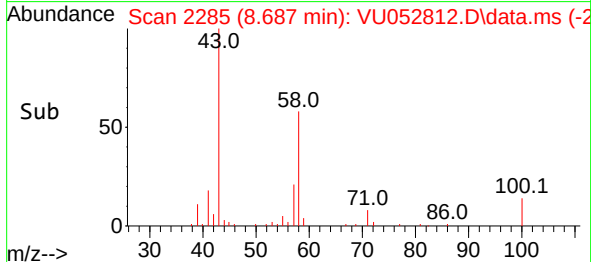
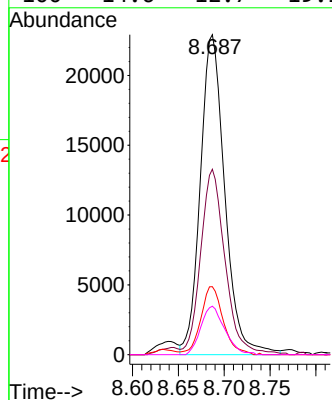
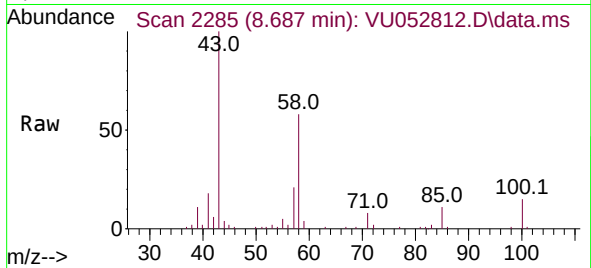




#48
2-Hexanone
Concen: 14.675 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

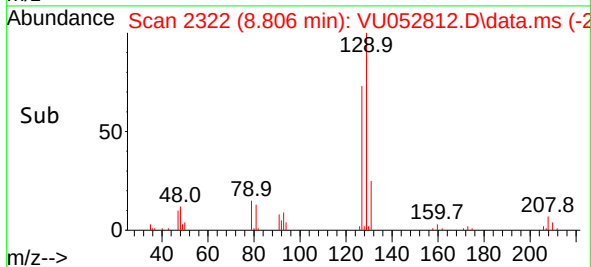
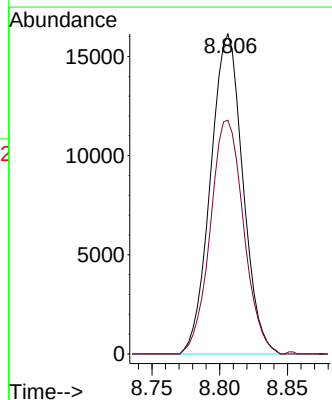
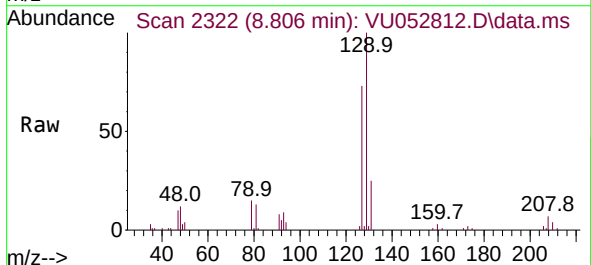
Instrument :
MSVOA_U
ClientSampleId :

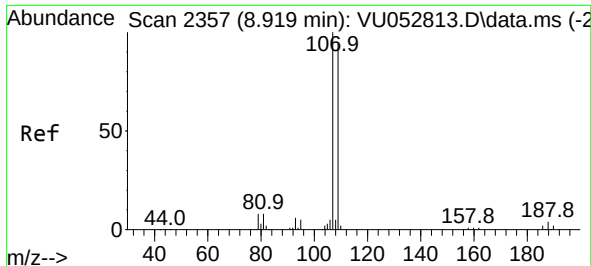
Tgt Ion: 43	Resp: 42598
Ion Ratio	Lower Upper
43 100	
58 57.6	48.0 72.0
57 19.5	16.8 25.2
100 14.6	12.7 19.1



#49
Dibromochloromethane
Concen: 10.857 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

Tgt Ion:129	Resp: 26756		
Ion Ratio	Lower	Upper	
129 100			
127 73.0	53.2	98.8	





#50

1,2-Dibromoethane

Concen: 10.231 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

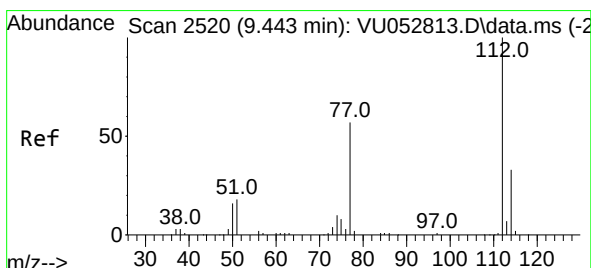
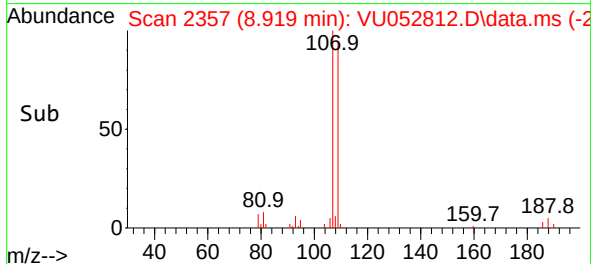
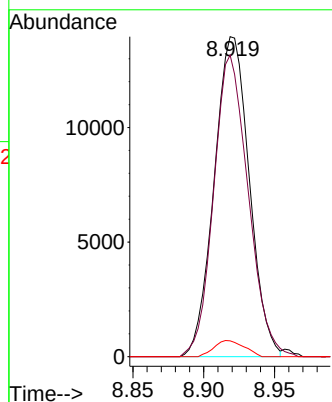
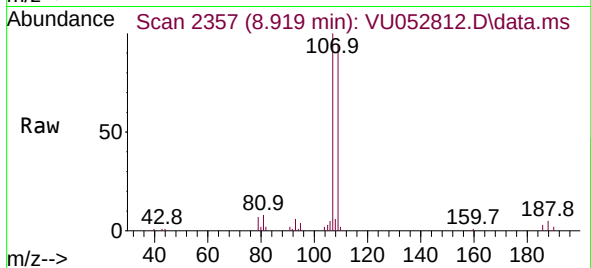
Tgt Ion:107 Resp: 24079

Ion Ratio Lower Upper

107 100

109 94.3 65.5 121.6

188 4.9 3.2 4.8#



#51

Chlorobenzene

Concen: 10.479 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

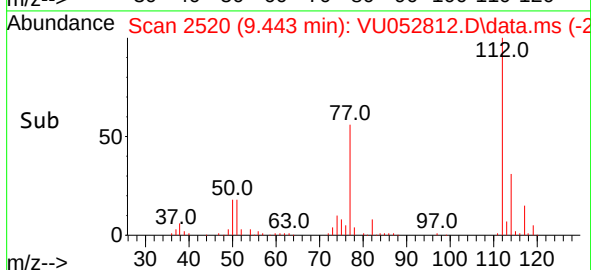
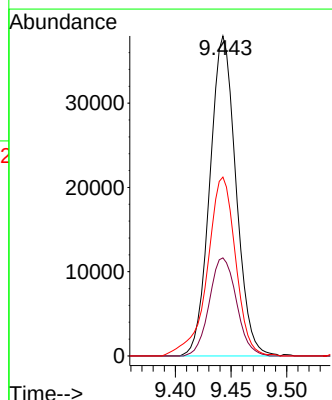
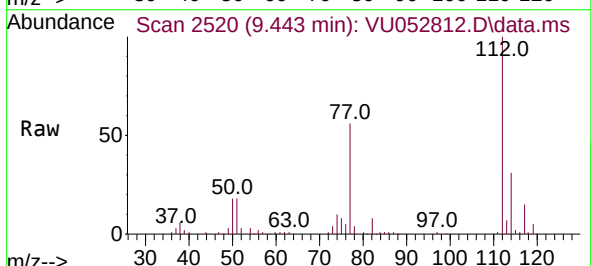
Tgt Ion:112 Resp: 62020

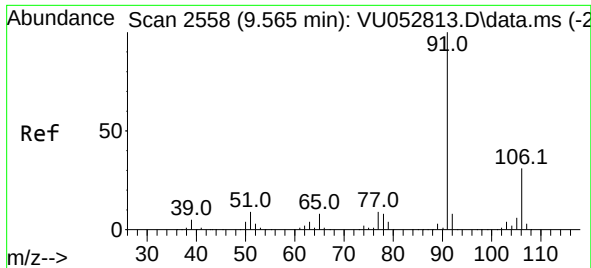
Ion Ratio Lower Upper

112 100

114 30.6 22.8 42.4

77 55.9 45.9 68.9

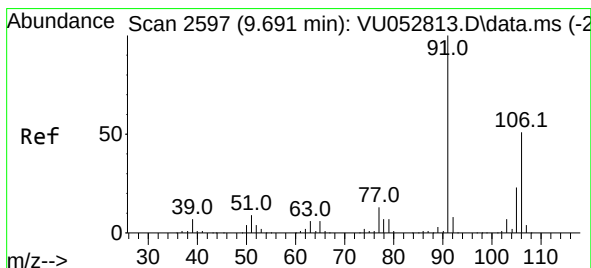
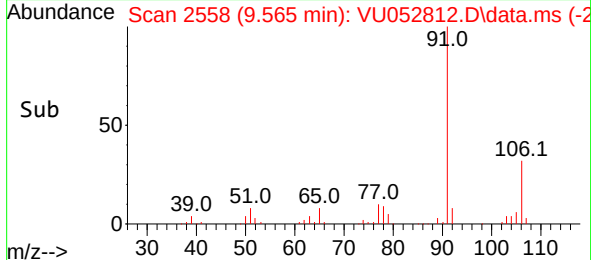
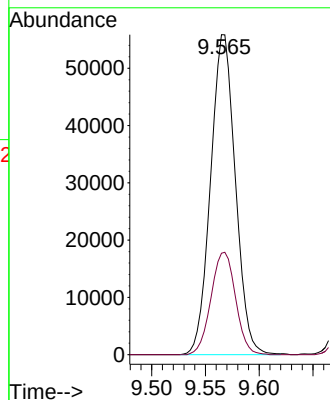
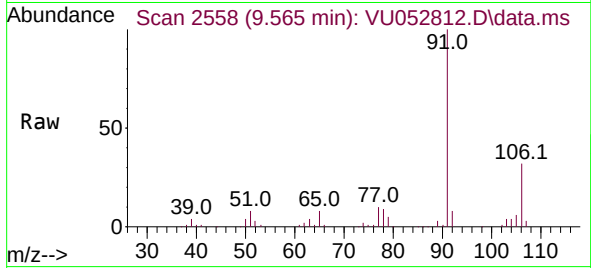




#52
Ethylbenzene
Concen: 9.338 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

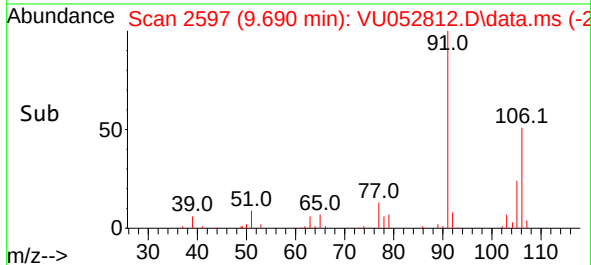
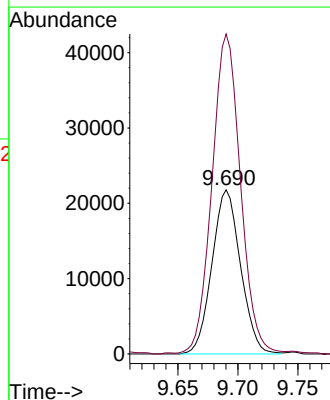
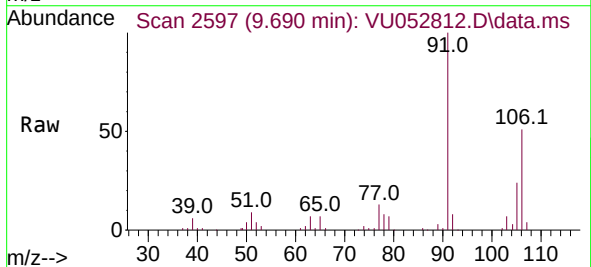
Instrument :
MSVOA_U
ClientSampleId :

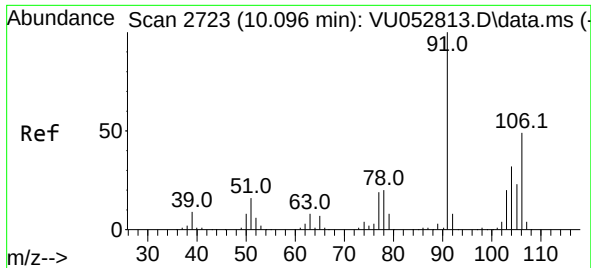
Tgt Ion: 91 Resp: 89626
Ion Ratio Lower Upper
91 100
106 31.7 22.0 40.8



#53
m,p-Xylene
Concen: 9.917 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

Tgt Ion: 106 Resp: 36080
Ion Ratio Lower Upper
106 100
91 195.0 137.4 255.2

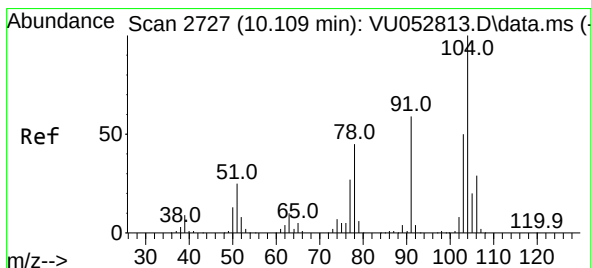
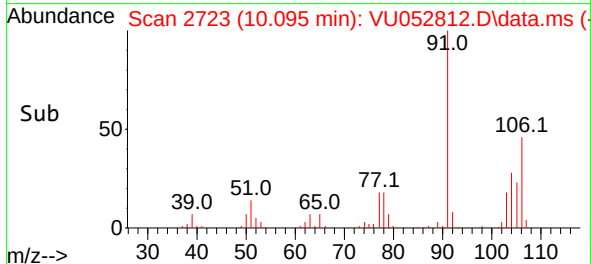
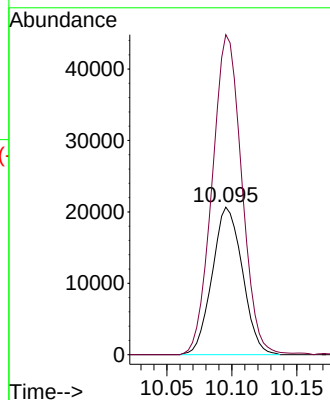
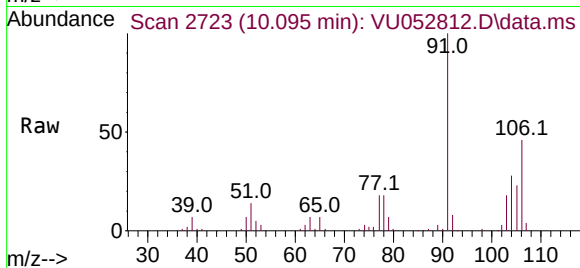




#54
o-xylene
Concen: 9.539 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

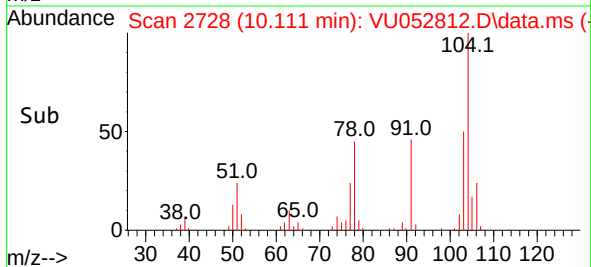
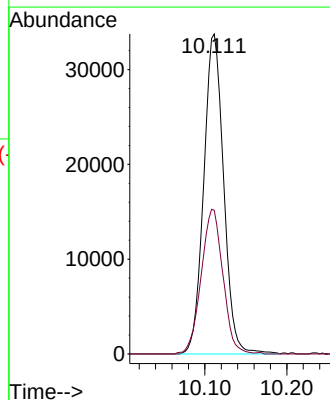
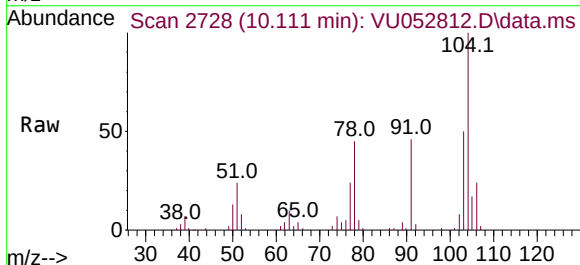
Instrument :
MSVOA_U
ClientSampleId :

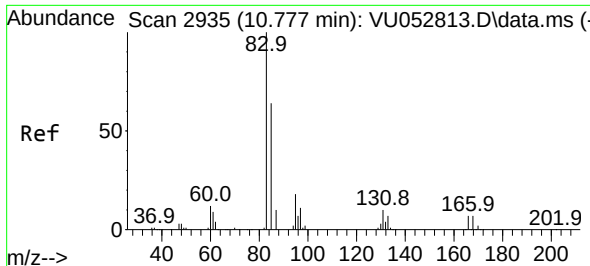
Tgt Ion:106 Resp: 33420
Ion Ratio Lower Upper
106 100
91 217.0 143.4 266.2



#55
Styrene
Concen: 9.258 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

Tgt Ion:104 Resp: 57006
Ion Ratio Lower Upper
104 100
78 44.9 31.9 59.2

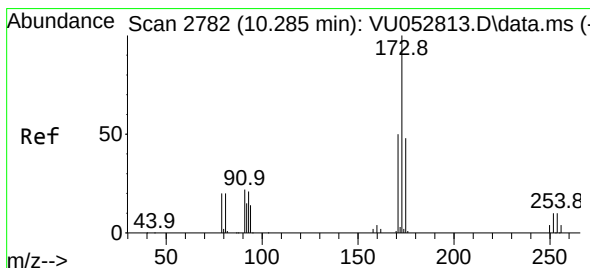
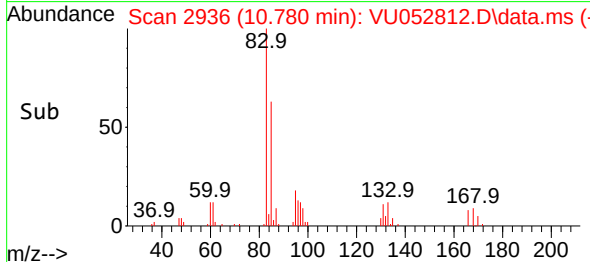
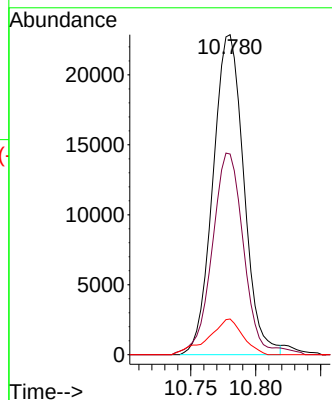
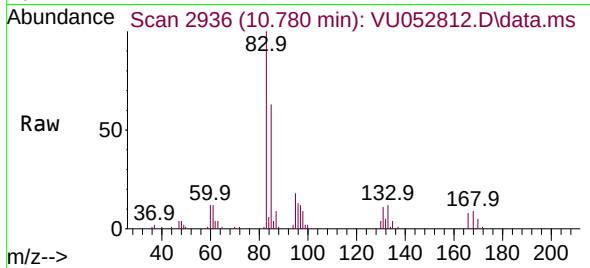




#57
1,1,2,2-Tetrachloroethane
Concen: 9.217 ug/L
RT: 10.780 min Scan# 2935
Delta R.T. 0.003 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

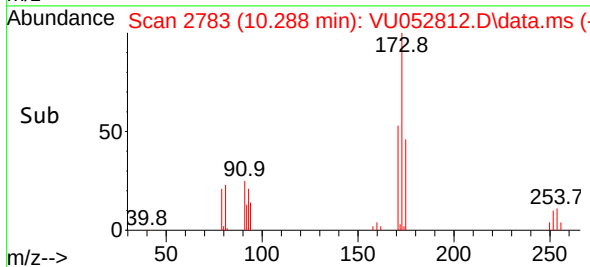
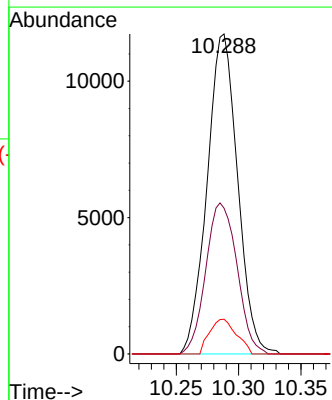
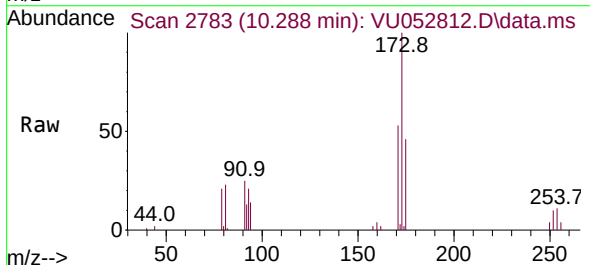
Instrument :
MSVOA_U
ClientSampleId :

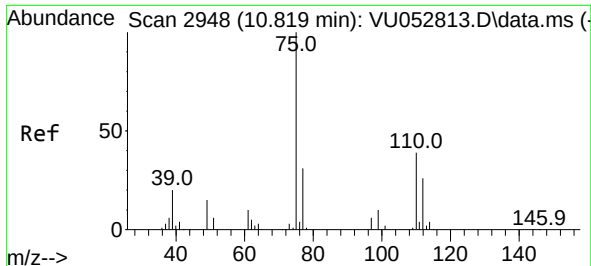
Tgt Ion: 83 Resp: 37816
Ion Ratio Lower Upper
83 100
85 62.7 45.0 83.6
131 11.1 8.6 12.8



#59
Bromoform
Concen: 11.729 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.003 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

Tgt Ion:173 Resp: 19962
Ion Ratio Lower Upper
173 100
175 48.3 37.7 56.5
254 9.5 8.3 12.5

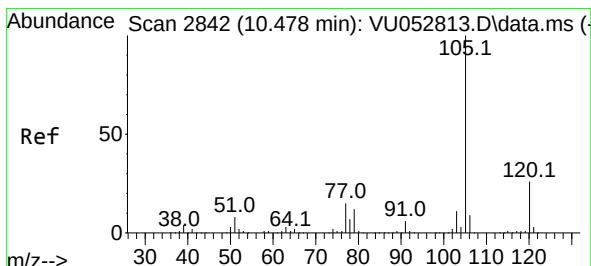
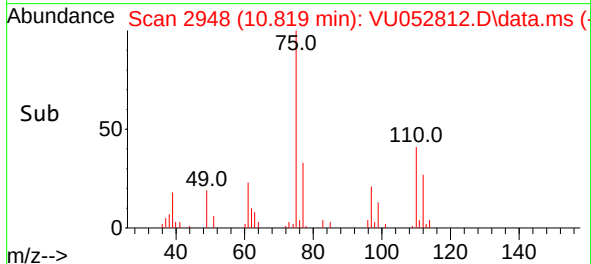
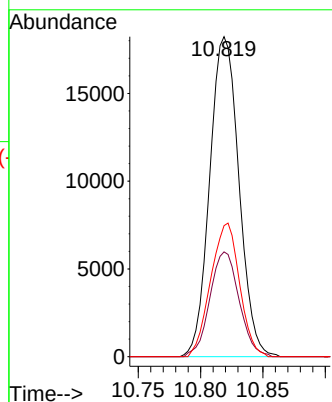
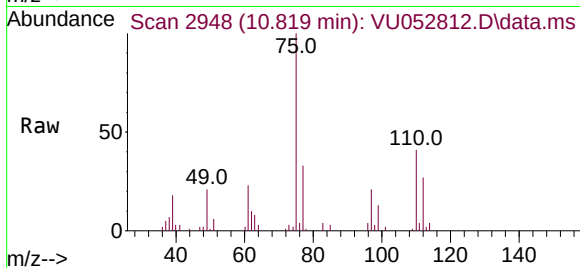




#60
1,2,3-Trichloropropane
Concen: 9.367 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

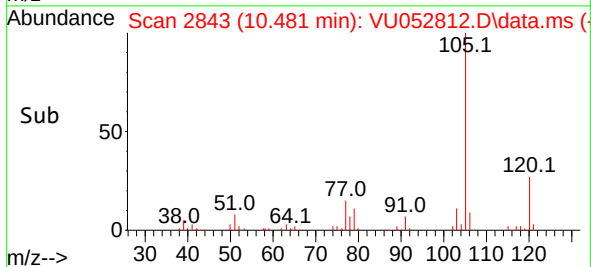
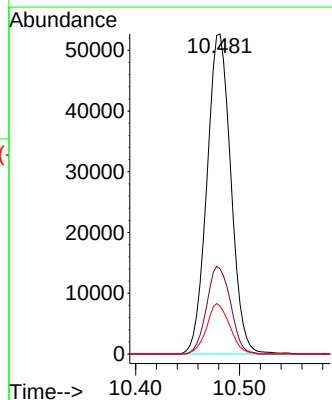
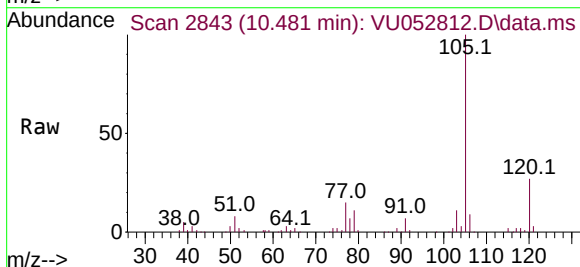
Instrument :
MSVOA_U
ClientSampleId :

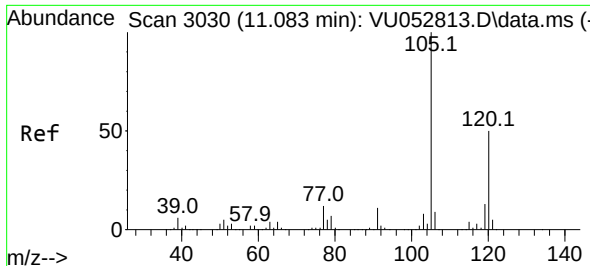
Tgt Ion: 75	Resp:	29746
Ion Ratio	Lower	Upper
75	100	
77	32.8	25.8 38.8
110	41.3	32.4 48.6



#61
Isopropylbenzene
Concen: 9.576 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

Tgt Ion: 105	Resp:	84308
Ion Ratio	Lower	Upper
105	100	
120	27.2	21.4 32.2
77	15.2	12.2 18.2

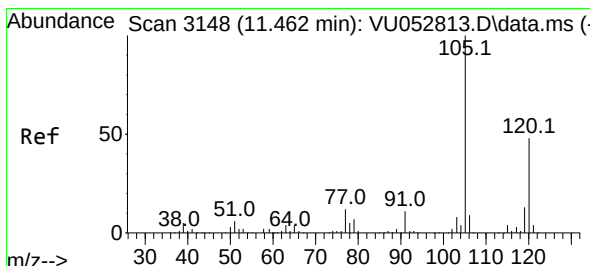
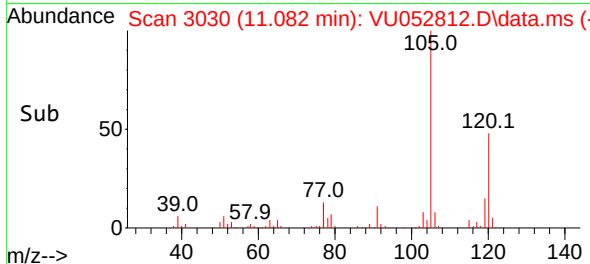
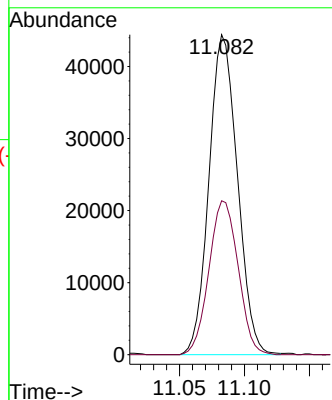
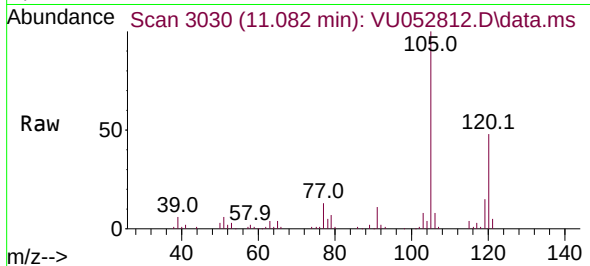




#62
1,3,5-Trimethylbenzene
Concen: 9.357 ug/L
RT: 11.082 min Scan# 3030
Delta R.T. -0.000 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

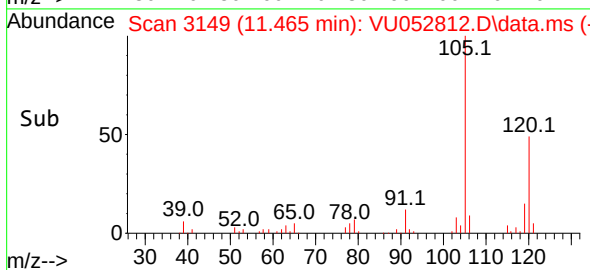
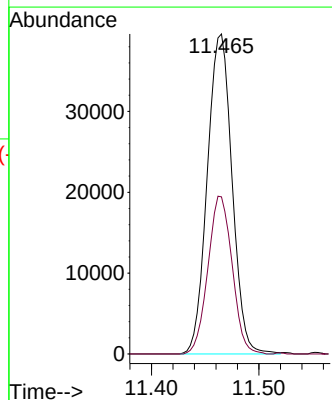
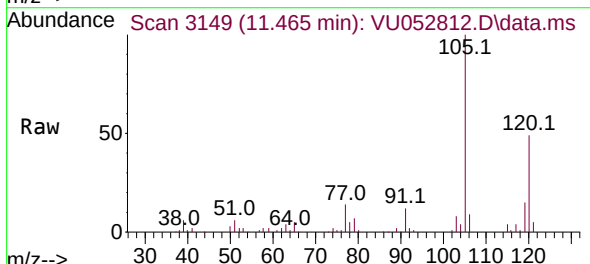
Instrument :
MSVOA_U
ClientSampleId :

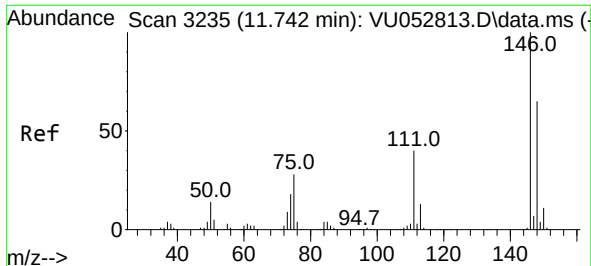
Tgt Ion:105 Resp: 67629
Ion Ratio Lower Upper
105 100
120 49.3 40.4 60.6



#63
1,2,4-Trimethylbenzene
Concen: 8.909 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU052812.D
Acq: 26 Jan 2023 11:50

Tgt Ion:105 Resp: 63407
Ion Ratio Lower Upper
105 100
120 48.1 38.1 57.1

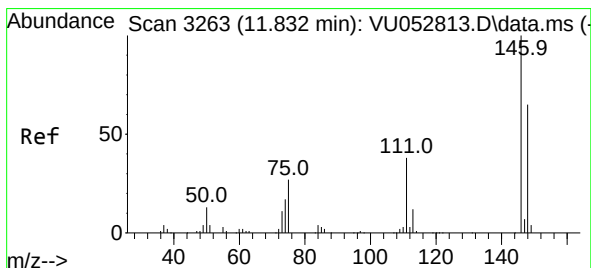
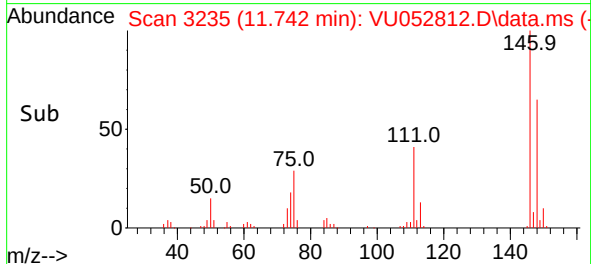
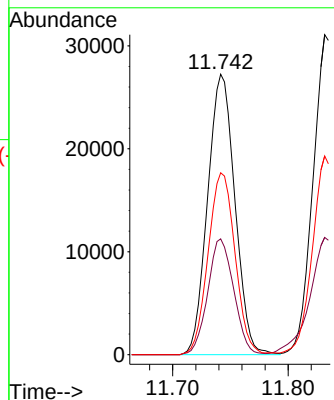
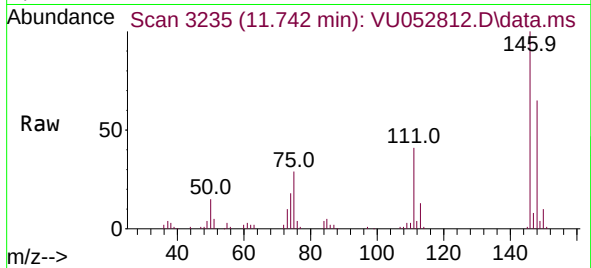




#64
 1,3-Dichlorobenzene
 Concen: 10.547 ug/L
 RT: 11.742 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU052812.D
 Acq: 26 Jan 2023 11:50

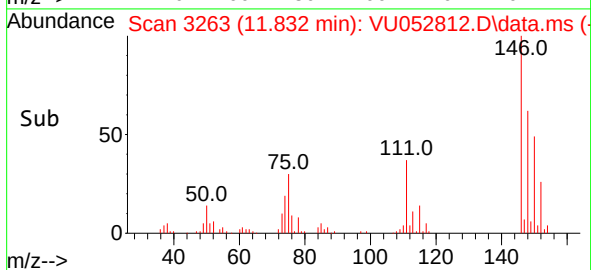
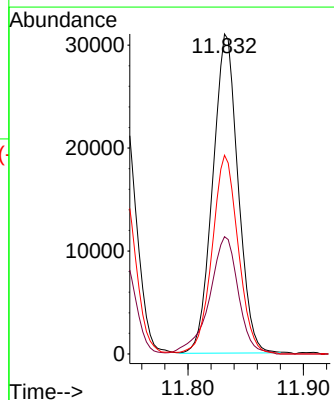
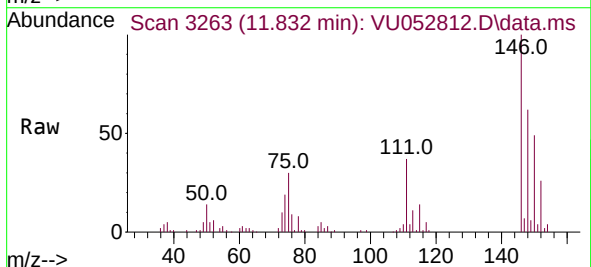
Instrument :
 MSVOA_U
 ClientSampleId :

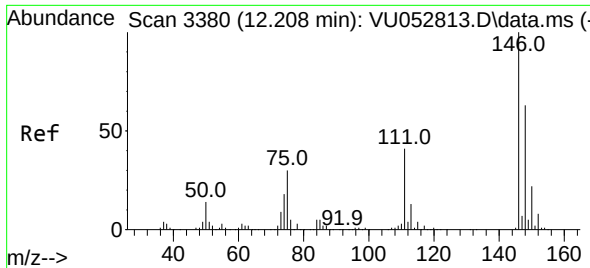
Tgt Ion:146 Resp: 44702
 Ion Ratio Lower Upper
 146 100
 111 41.3 27.8 51.6
 148 64.9 45.5 84.5



#65
 1,4-Dichlorobenzene
 Concen: 10.598 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. -0.000 min
 Lab File: VU052812.D
 Acq: 26 Jan 2023 11:50

Tgt Ion:146 Resp: 47257
 Ion Ratio Lower Upper
 146 100
 111 36.6 26.7 49.7
 148 62.1 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 10.596 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. -0.000 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

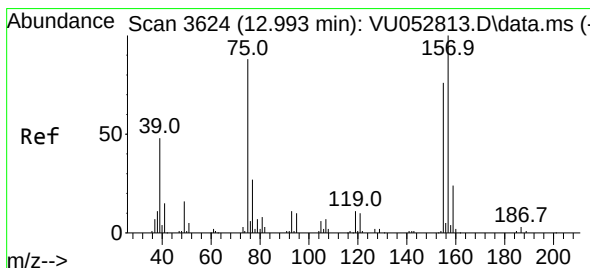
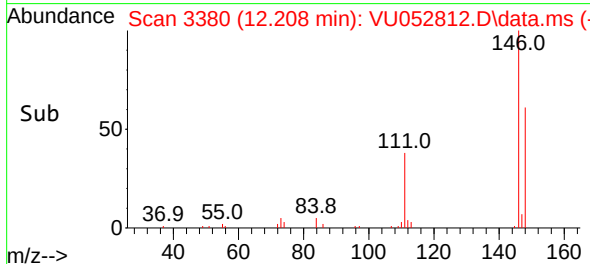
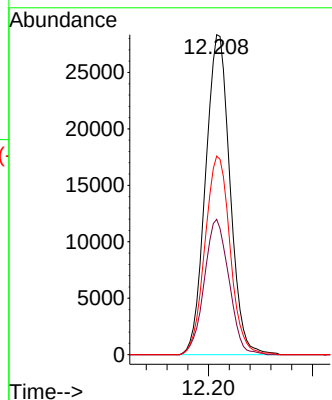
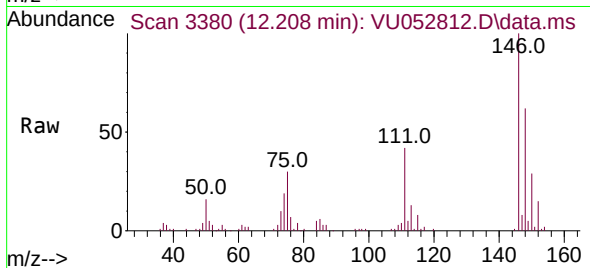
Tgt Ion:146 Resp: 46279

Ion Ratio Lower Upper

146 100

111 42.3 33.2 49.8

148 62.1 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 8.747 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

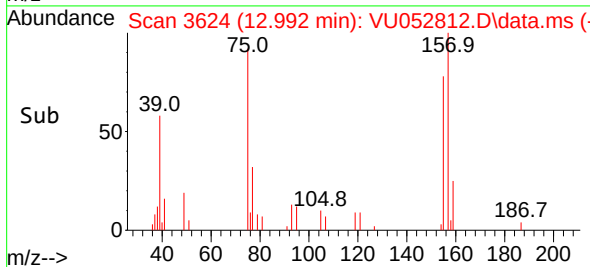
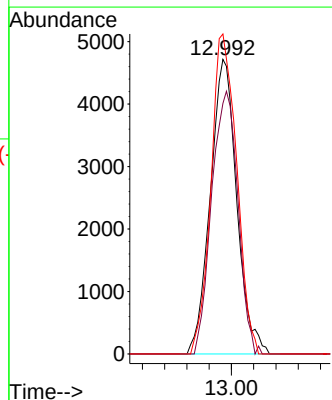
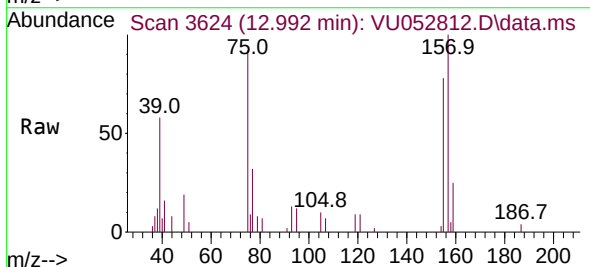
Tgt Ion: 75 Resp: 7765

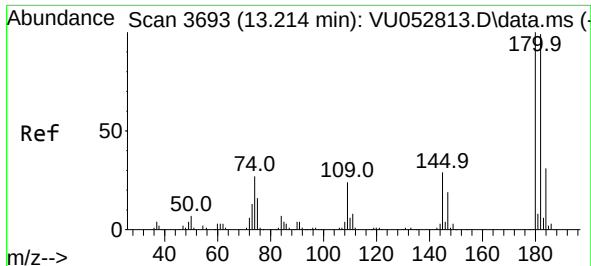
Ion Ratio Lower Upper

75 100

155 85.1 69.2 103.8

157 108.7 91.2 136.8





#69

1,3,5-Trichlorobenzene

Concen: 10.736 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.000 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 32452

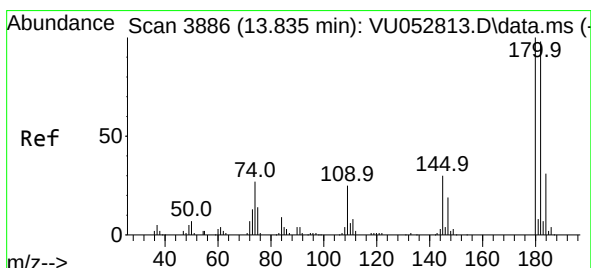
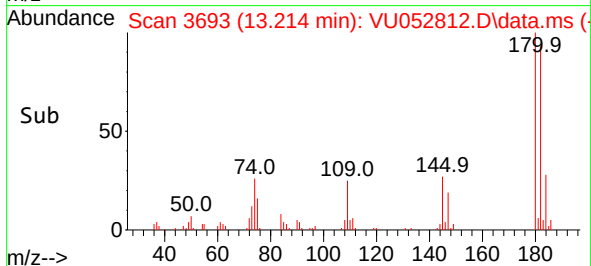
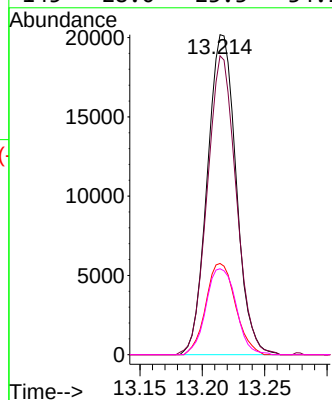
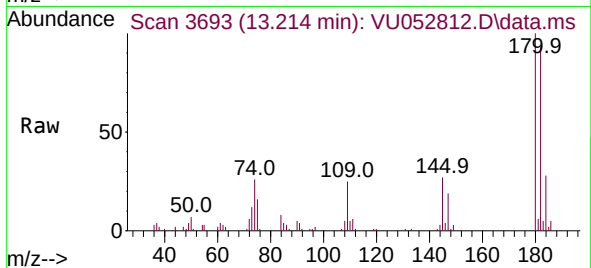
Ion Ratio Lower Upper

180 100

182 93.4 77.0 115.6

184 29.3 24.4 36.6

145 28.0 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 9.573 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

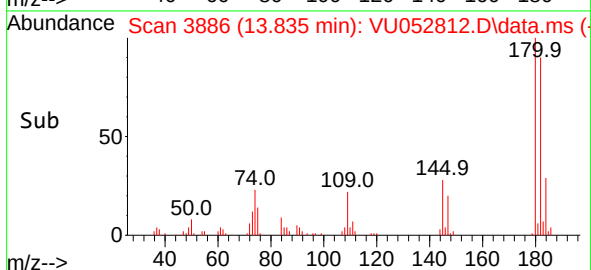
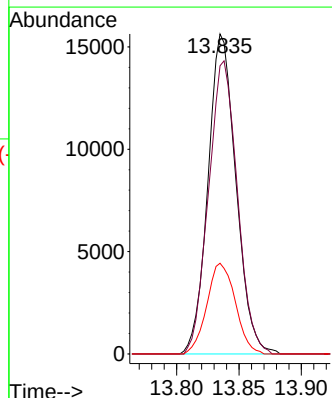
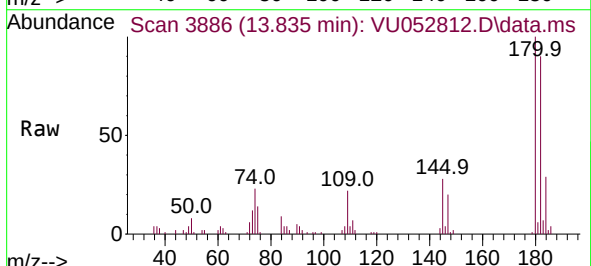
Tgt Ion:180 Resp: 24447

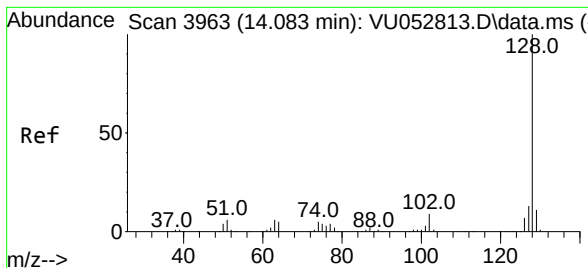
Ion Ratio Lower Upper

180 100

182 94.2 78.2 117.2

145 28.8 23.4 35.2





#71

Naphthalene

Concen: 7.977 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

Instrument :

MSVOA_U

ClientSampleId :

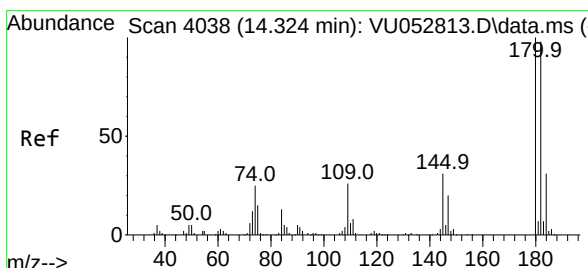
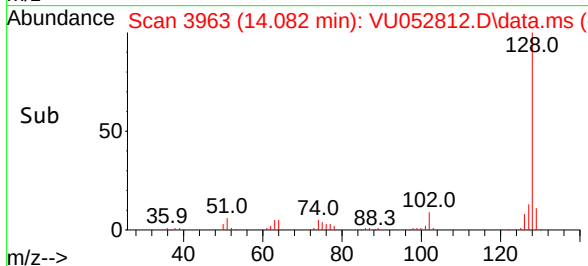
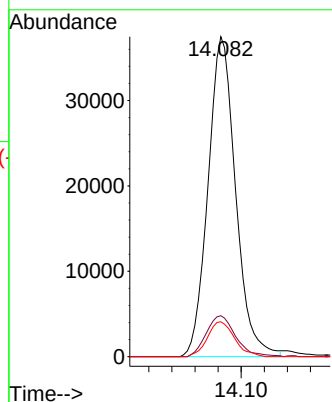
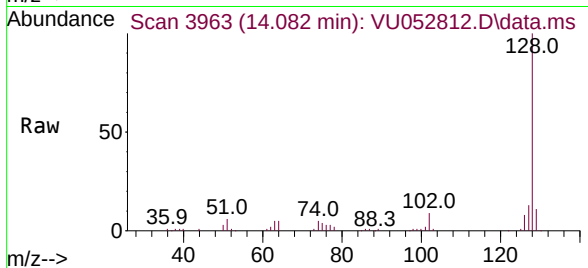
Tgt Ion:128 Resp: 62185

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

129 10.7 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 10.066 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.003 min

Lab File: VU052812.D

Acq: 26 Jan 2023 11:50

Tgt Ion:180 Resp: 26515

Ion Ratio Lower Upper

180 100

182 93.9 77.5 116.3

145 29.5 24.2 36.4

