

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112122\
 Data File : VU052000.D
 Acq On : 21 Nov 2022 16:30
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 22 00:58:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 22 00:50:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	565676	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	531289	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	262297	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	234290	47.795	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.580%
7) Chloroethane-d5	1.912	69	186598	48.065	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.120%
11) 1,1-Dichloroethene-d2	2.568	63	348558	47.970	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.940%
21) 2-Butanone-d5	4.616	46	285049	96.767	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.770%
24) Chloroform-d	5.060	84	371894	46.304	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.600%
26) 1,2-Dichloroethane-d4	5.700	65	221787	45.914	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.820%
32) Benzene-d6	5.726	84	799302	50.474	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.940%
36) 1,2-Dichloropropane-d6	6.687	67	248474	48.840	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.680%
41) Toluene-d8	7.896	98	732671	51.783	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.560%
43) trans-1,3-Dichloroprop...	8.176	79	106450	49.152	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.300%
47) 2-Hexanone-d5	8.629	63	204194	102.890	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.890%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	376061	46.723	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.440%
66) 1,2-Dichlorobenzene-d4	12.192	152	258347	47.629	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	149485	49.227	ug/L	99
3) Chloromethane	1.523	50	199090	45.748	ug/L	100
5) Vinyl chloride	1.604	62	210250	47.054	ug/L	99
6) Bromomethane	1.854	94	110989	49.488	ug/L	98
8) Chloroethane	1.935	64	135783	46.343	ug/L	100
9) Trichlorofluoromethane	2.137	101	258910	48.471	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	168152	49.028	ug/L	99
12) 1,1-Dichloroethene	2.581	96	156887	47.898	ug/L	95
13) Acetone	2.623	43	192346	71.479	ug/L	99
14) Carbon disulfide	2.793	76	397756	48.023	ug/L	99
15) Methyl Acetate	2.944	43	207056	48.197	ug/L	100
16) Methylene chloride	3.047	84	218179	43.734	ug/L	99
17) trans-1,2-Dichloroethene	3.353	96	166662	47.822	ug/L	98
18) Methyl tert-butyl Ether	3.362	73	544332	48.086	ug/L	99
19) 1,1-Dichloroethane	3.867	63	333585	46.526	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	198696	47.488	ug/L	99
22) 2-Butanone	4.697	43	300190	89.472	ug/L	100
23) Bromochloromethane	4.973	128	102830	45.657	ug/L	95
25) Chloroform	5.086	83	347197	46.930	ug/L	99

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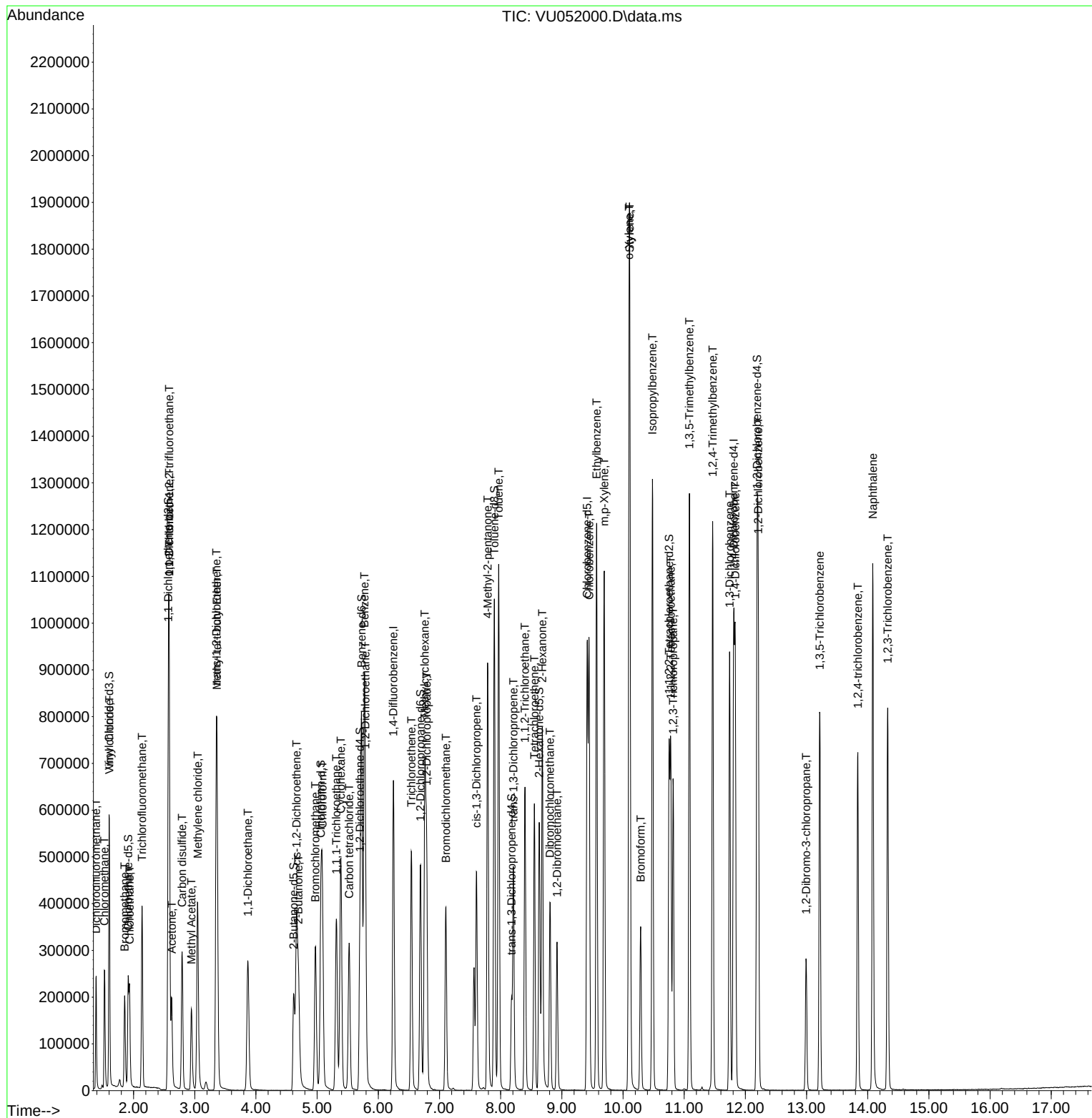
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	253576	45.688	ug/L	98
29) Cyclohexane	5.388	56	257394	55.246	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	268763	49.329	ug/L	99
31) Carbon tetrachloride	5.523	117	220742	50.043	ug/L	100
33) Benzene	5.774	78	783504	49.780	ug/L	100
34) Trichloroethene	6.539	95	180749	49.218	ug/L	99
35) Methylcyclohexane	6.761	83	279707	55.573	ug/L	100
37) 1,2-Dichloropropane	6.790	63	214697	48.828	ug/L	100
38) Bromodichloromethane	7.105	83	262053	48.271	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	296092	49.798	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	572752	102.414	ug/L	100
42) Toluene	7.967	91	833629	51.256	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	277208	49.844	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	209080	48.235	ug/L	99
46) Tetrachloroethene	8.552	164	137564	49.653	ug/L	99
48) 2-Hexanone	8.681	43	462514	99.939	ug/L	98
49) Dibromochloromethane	8.806	129	214732	48.746	ug/L	100
50) 1,2-Dibromoethane	8.922	107	213442	49.028	ug/L	99
51) Chlorobenzene	9.446	112	521823	48.764	ug/L	99
52) Ethylbenzene	9.568	91	850792	51.376	ug/L	98
53) m,p-Xylene	9.693	106	333771	52.166	ug/L	99
54) o-Xylene	10.099	106	339189	52.394	ug/L	98
55) Styrene	10.111	104	575692	52.490	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	372836	47.268	ug/L	100
59) Bromoform	10.288	173	160011	47.103	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	283816	46.599	ug/L	100
61) Isopropylbenzene	10.481	105	858772	53.657	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	694215	54.290	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	680773	54.632	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	390959	50.391	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	390703	49.422	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	409196	50.337	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.992	75	72558	48.354	ug/L	96
69) 1,3,5-Trichlorobenzene	13.217	180	265934	51.342	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	225842	54.279	ug/L	100
71) Naphthalene	14.082	128	918636	67.817	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	261131	57.930	ug/L	100

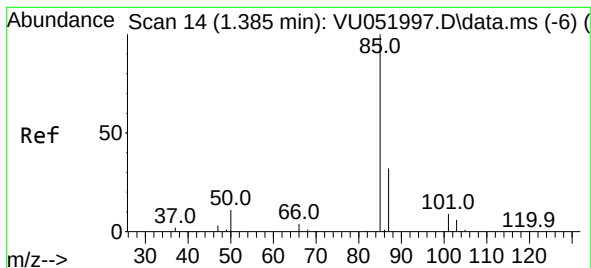
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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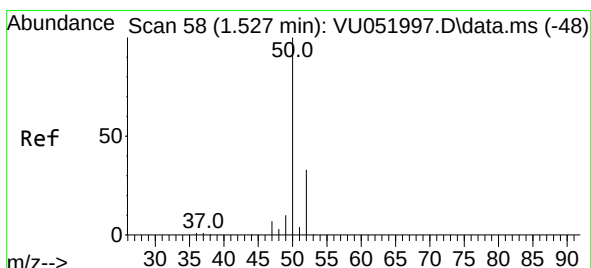
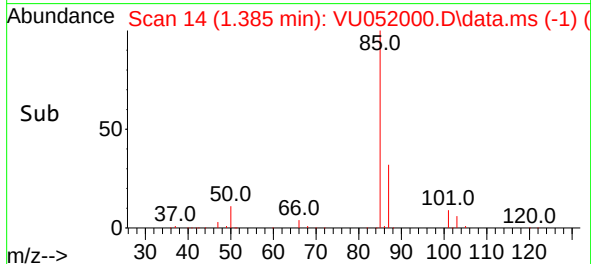
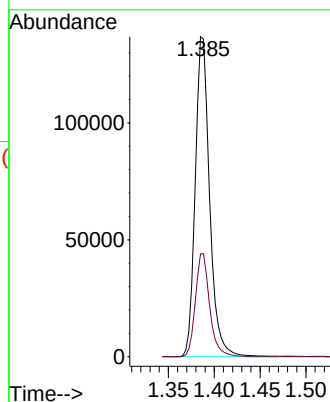
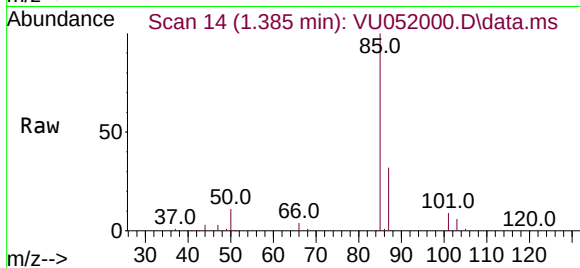




#2
Dichlorodifluoromethane
Concen: 49.227 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

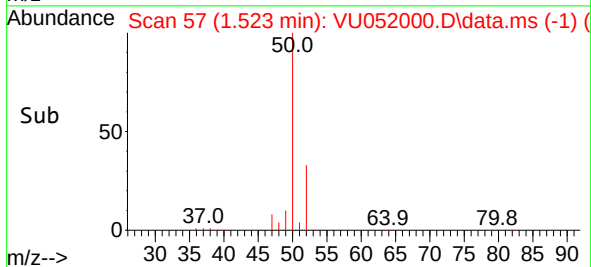
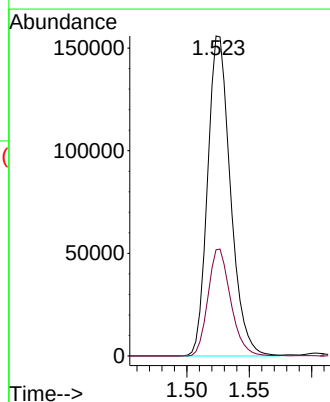
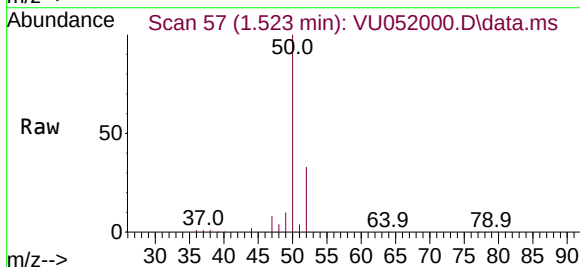
Instrument :
MSVOA_U
ClientSampleId :

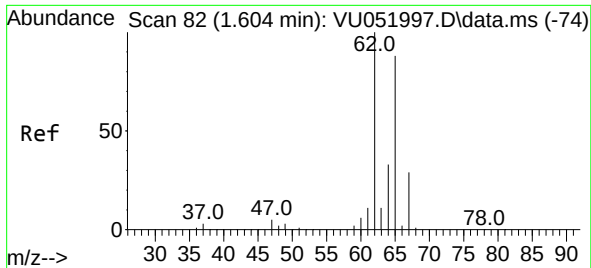
Tgt Ion: 85 Resp: 149485
Ion Ratio Lower Upper
85 100
87 31.9 25.9 38.9



#3
Chloromethane
Concen: 45.748 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.004 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

Tgt Ion: 50 Resp: 199090
Ion Ratio Lower Upper
50 100
52 33.2 23.1 42.9

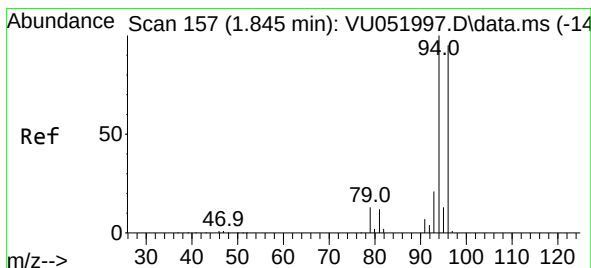
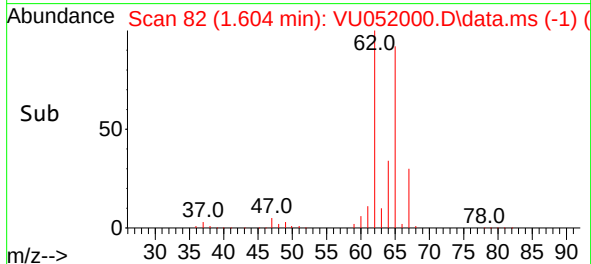
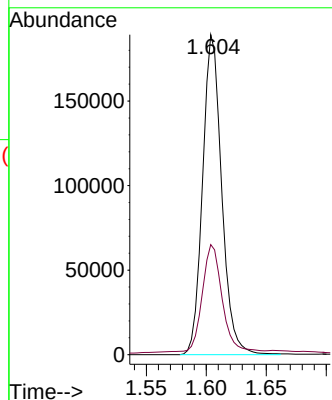
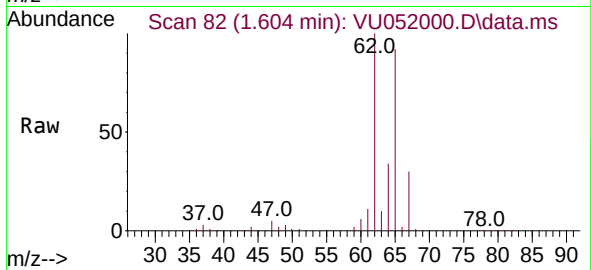




#5
 Vinyl chloride
 Concen: 47.054 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052000.D
 Acq: 21 Nov 2022 16:30

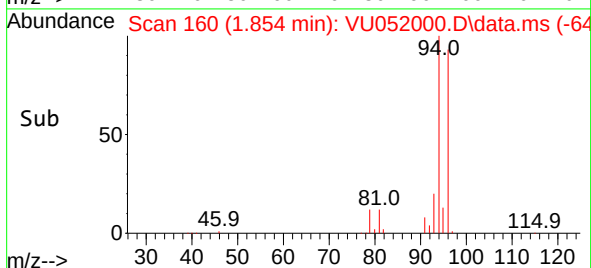
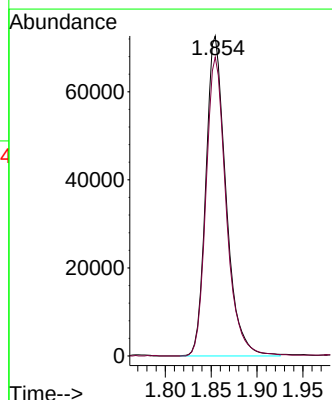
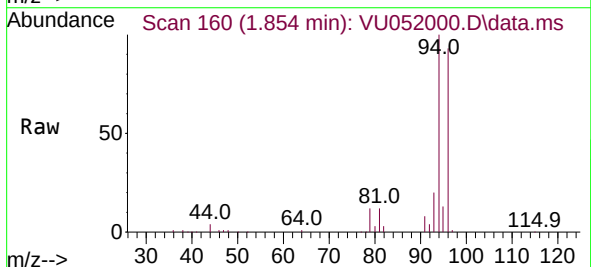
Instrument :
 MSVOA_U
 ClientSampleId :

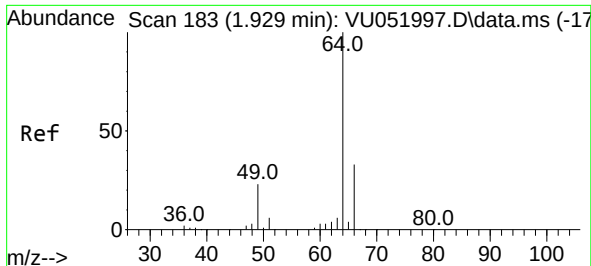
Tgt Ion: 62 Resp: 210250
 Ion Ratio Lower Upper
 62 100
 64 34.4 23.9 44.3



#6
 Bromomethane
 Concen: 49.488 ug/L
 RT: 1.854 min Scan# 160
 Delta R.T. 0.009 min
 Lab File: VU052000.D
 Acq: 21 Nov 2022 16:30

Tgt Ion: 94 Resp: 110989
 Ion Ratio Lower Upper
 94 100
 96 93.4 66.8 124.0

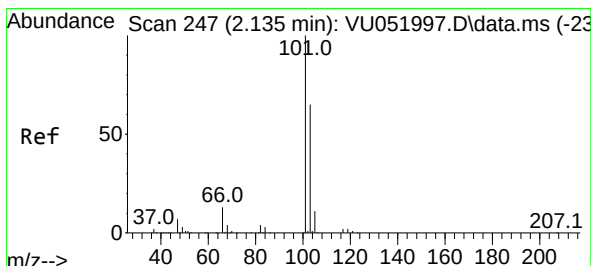
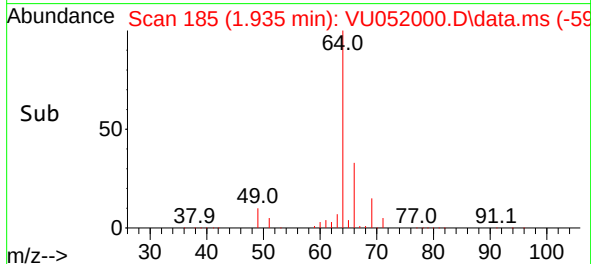
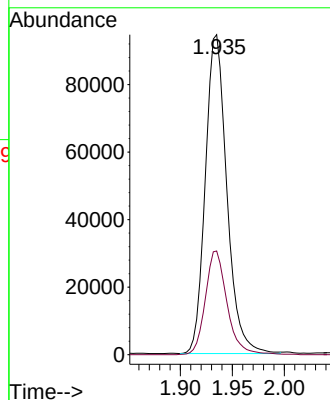
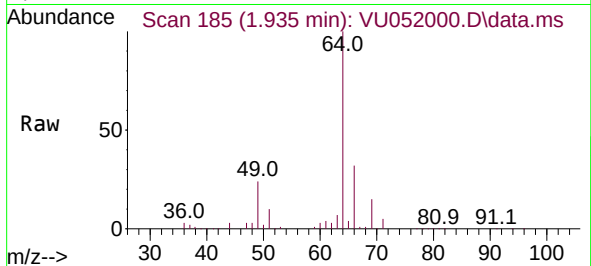




#8
Chloroethane
Concen: 46.343 ug/L
RT: 1.935 min Scan# 183
Delta R.T. 0.006 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

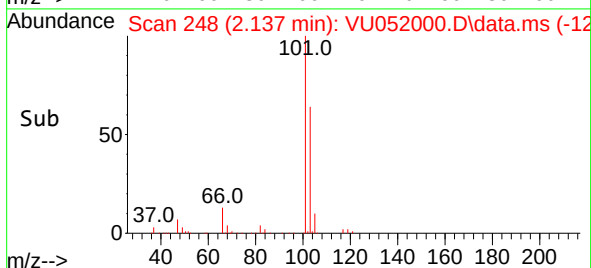
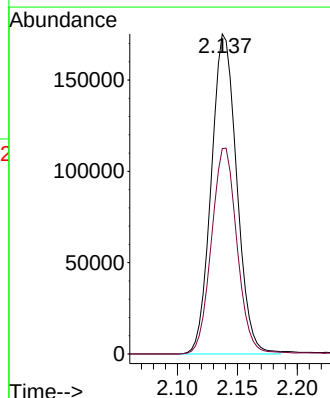
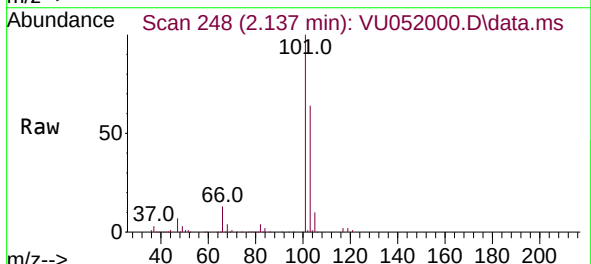
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MSVOA_U
ClientSampleId :

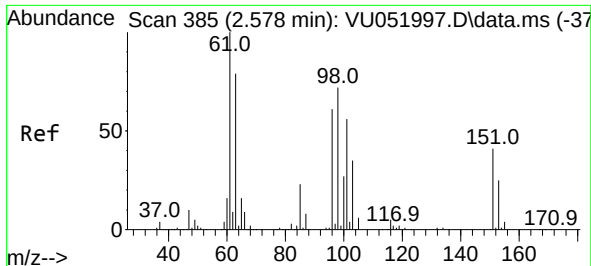
Tgt Ion: 64 Resp: 135783
Ion Ratio Lower Upper
64 100
66 32.4 22.8 42.4



#9
Trichlorofluoromethane
Concen: 48.471 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

Tgt Ion:101 Resp: 258910
Ion Ratio Lower Upper
101 100
103 64.6 51.5 77.3

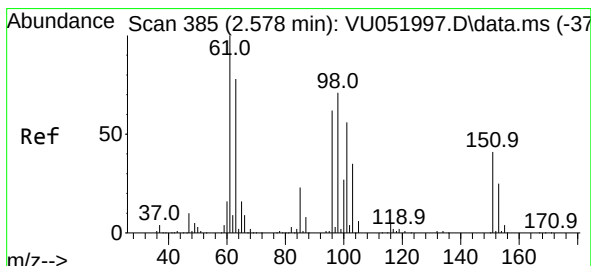
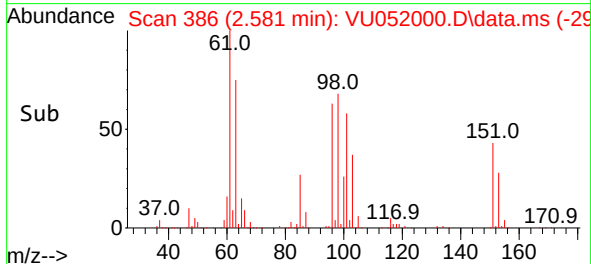
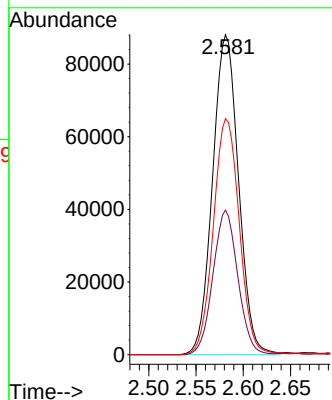
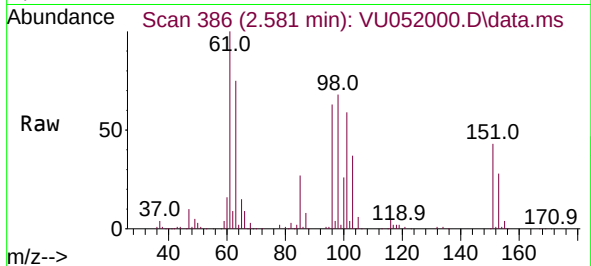




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 49.028 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

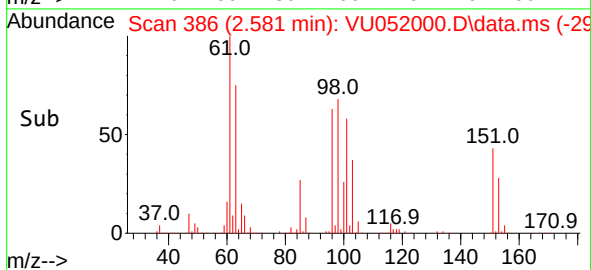
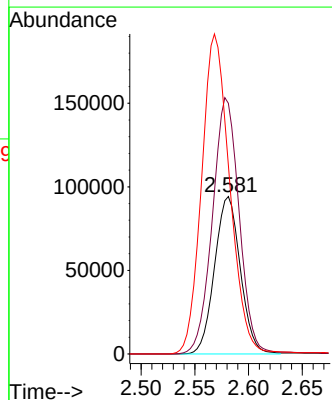
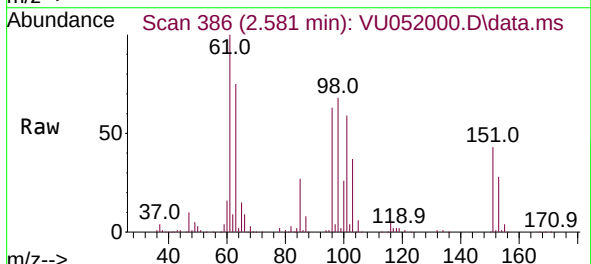
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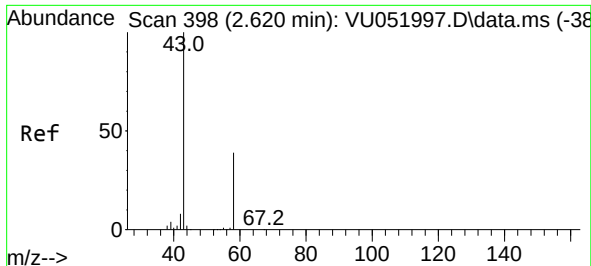
Tgt Ion:101 Resp: 168152
Ion Ratio Lower Upper
101 100
85 43.2 33.6 50.4
151 74.0 58.9 88.3



#12
1,1-Dichloroethene
Concen: 47.898 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

Tgt Ion: 96 Resp: 156887
Ion Ratio Lower Upper
96 100
61 159.3 114.2 212.0
63 120.0 90.9 168.7





#13

Acetone

Concen: 71.479 ug/L

RT: 2.623 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

Instrument :

MSVOA_U

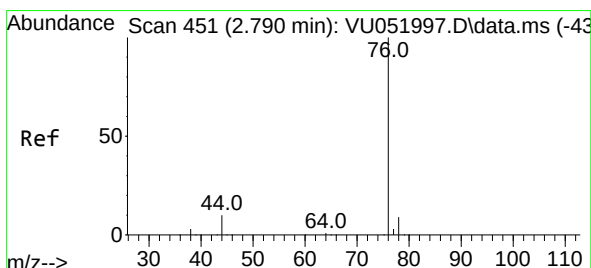
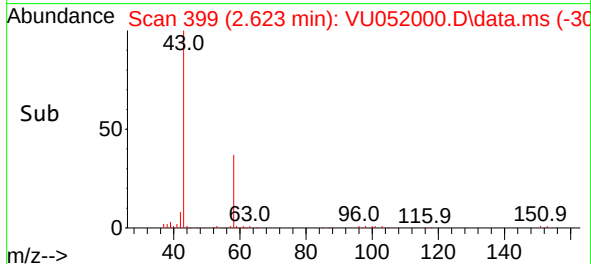
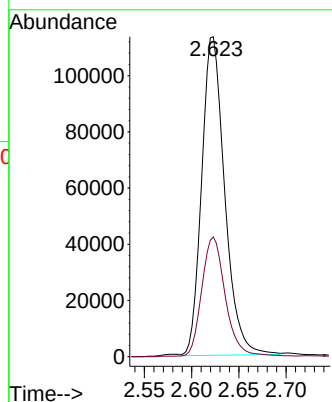
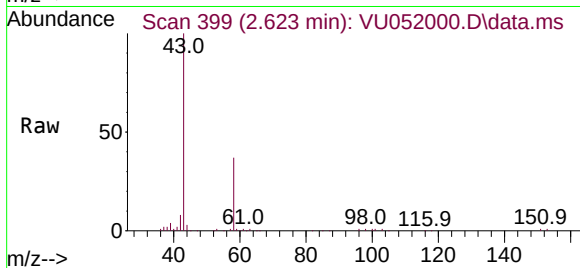
ClientSampleId :

Tgt Ion: 43 Resp: 192346

Ion Ratio Lower Upper

43 100

58 38.7 0.0 76.6



#14

Carbon disulfide

Concen: 48.023 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU052000.D

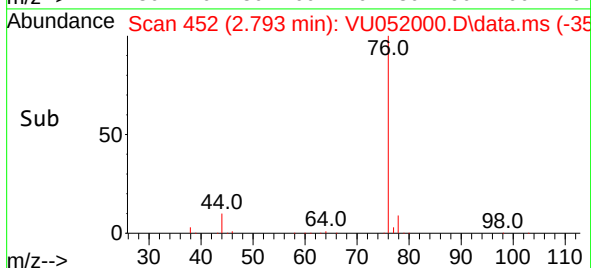
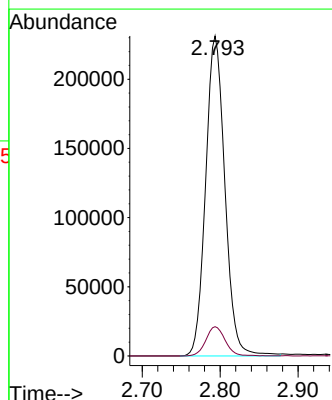
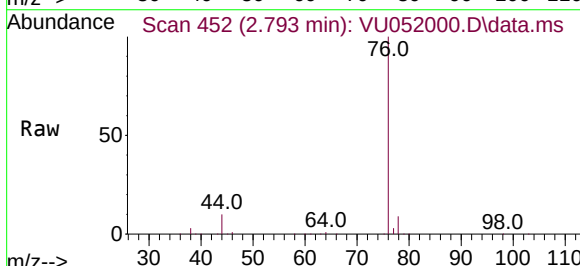
Acq: 21 Nov 2022 16:30

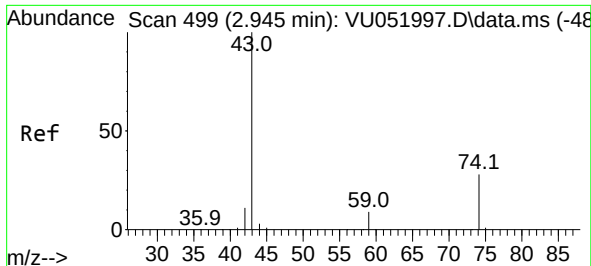
Tgt Ion: 76 Resp: 397756

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

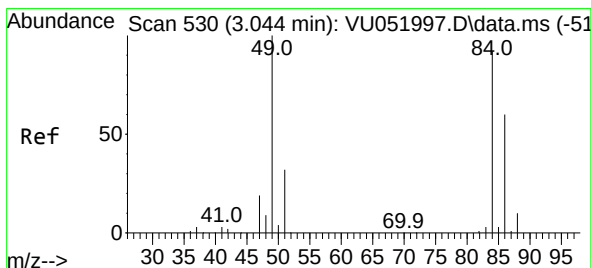
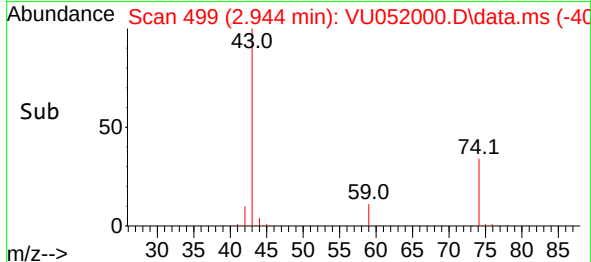
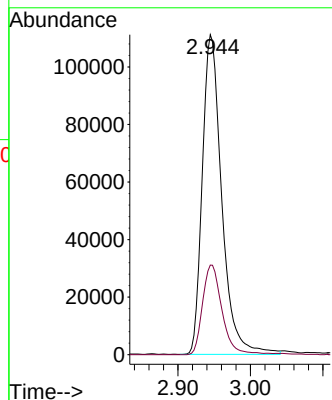
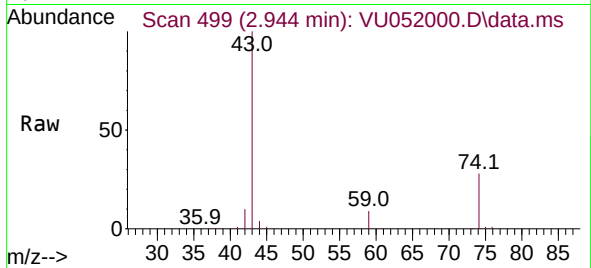




#15
Methyl Acetate
Concen: 48.197 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.000 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

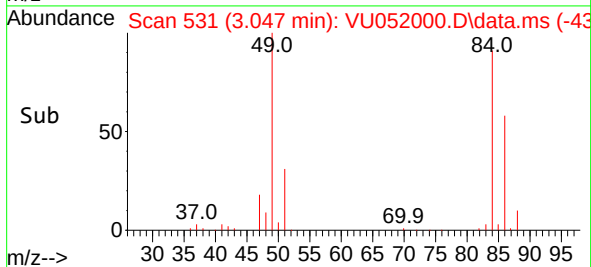
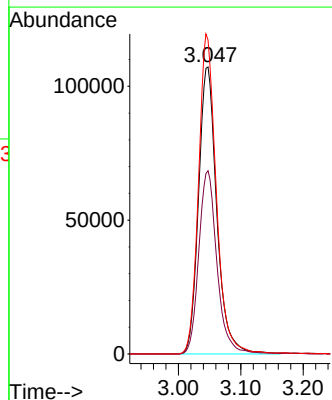
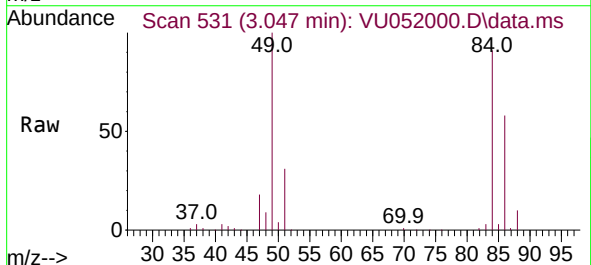
Instrument :
MSVOA_U
ClientSampleId :

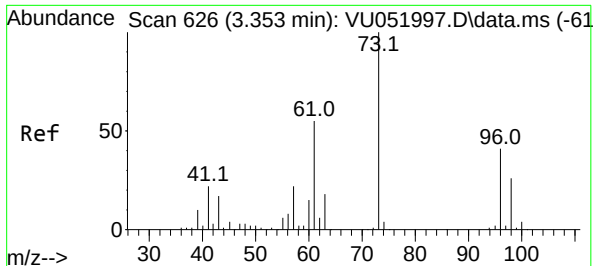
Tgt Ion: 43 Resp: 207056
Ion Ratio Lower Upper
43 100
74 27.7 22.2 33.4



#16
Methylene chloride
Concen: 43.734 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.003 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

Tgt Ion: 84 Resp: 218179
Ion Ratio Lower Upper
84 100
86 63.8 45.2 84.0
49 109.4 75.9 141.1





#17

trans-1,2-Dichloroethene

Concen: 47.822 ug/L

RT: 3.353 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

Instrument :

MSVOA_U

ClientSampleId :

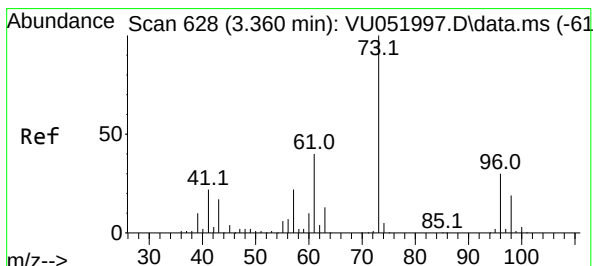
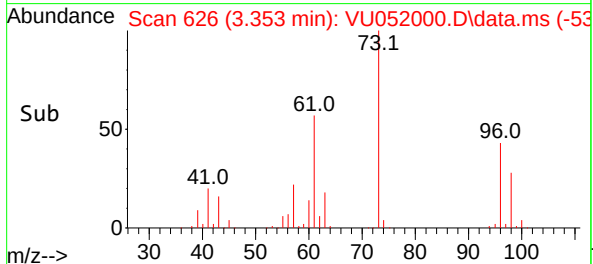
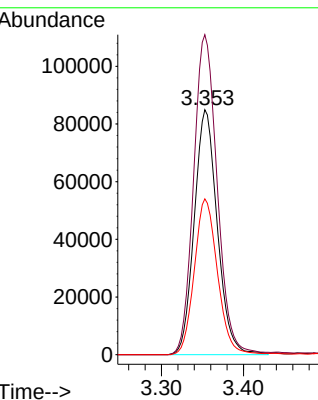
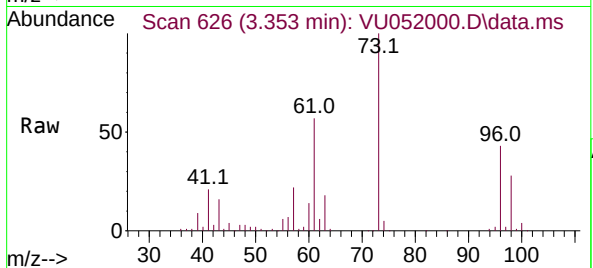
Tgt Ion: 96 Resp: 166662

Ion Ratio Lower Upper

96 100

61 130.6 93.9 174.3

98 63.6 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 48.086 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.003 min

Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

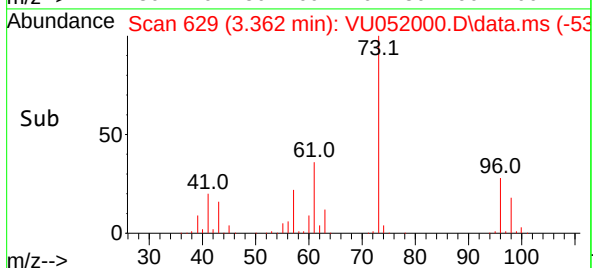
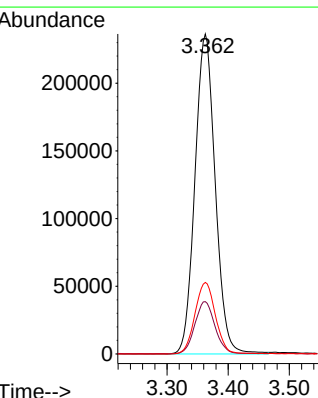
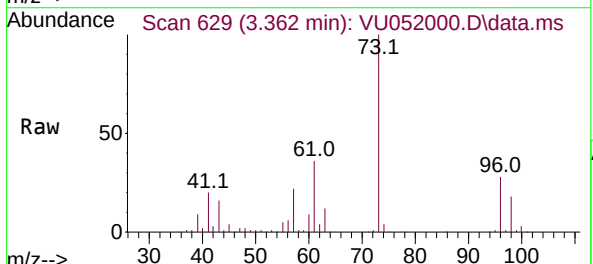
Tgt Ion: 73 Resp: 544332

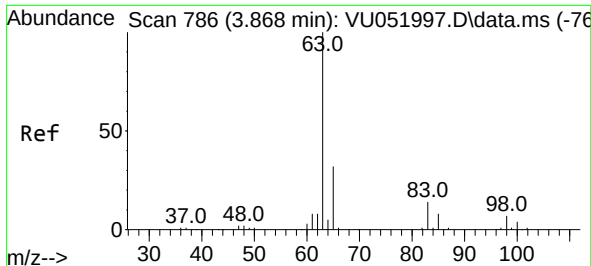
Ion Ratio Lower Upper

73 100

43 16.1 13.1 19.7

57 22.6 17.8 26.6





#19

1,1-Dichloroethane

Concen: 46.526 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

Instrument :

MSVOA_U

ClientSampleId :

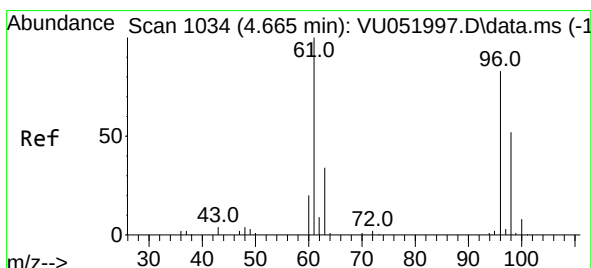
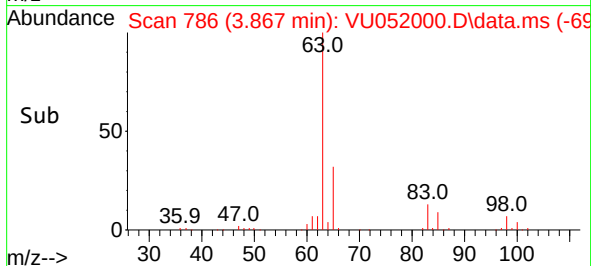
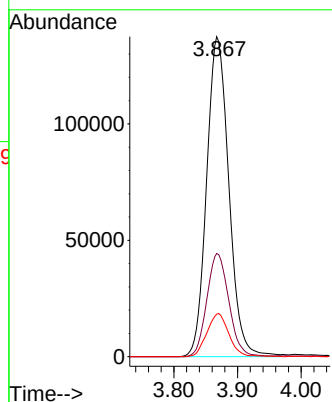
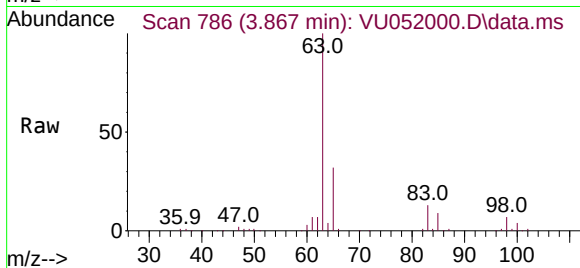
Tgt Ion: 63 Resp: 333585

Ion Ratio Lower Upper

63 100

65 32.3 22.3 41.3

83 13.3 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 47.488 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

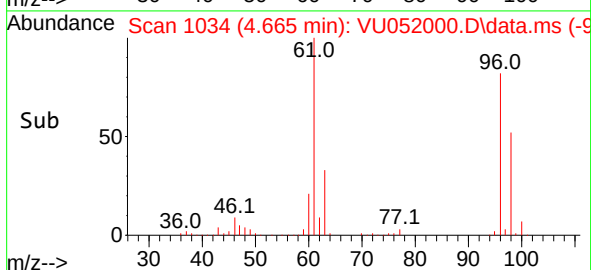
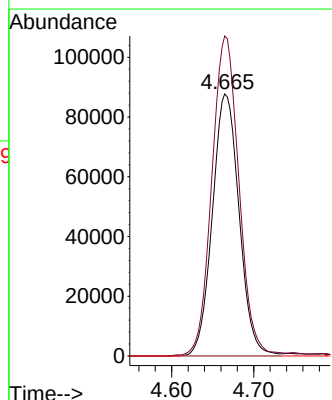
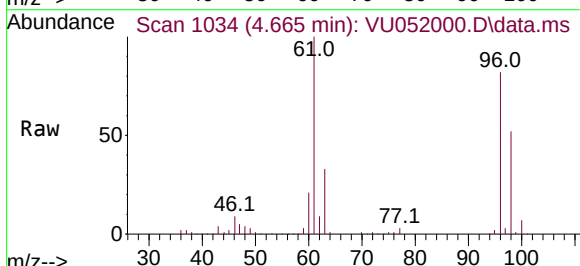
Tgt Ion: 96 Resp: 198696

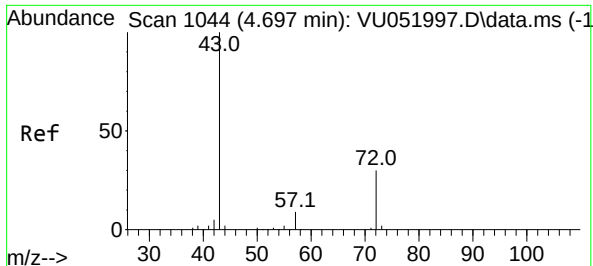
Ion Ratio Lower Upper

96 100

61 122.1 84.5 156.9

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 89.472 ug/L

RT: 4.697 min Scan# 110

Delta R.T. -0.000 min

Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

Instrument :

MSVOA_U

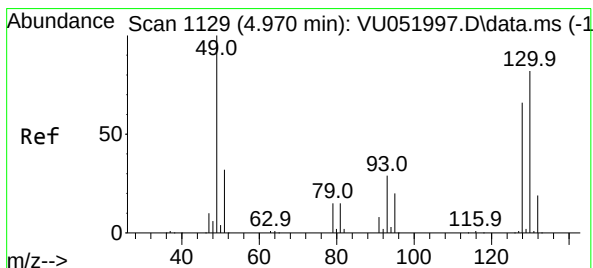
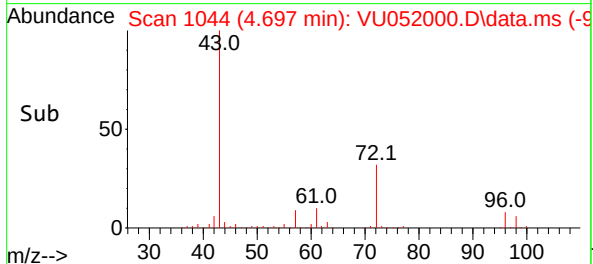
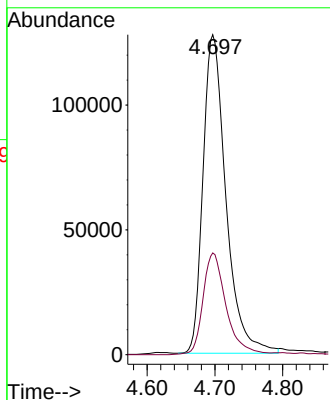
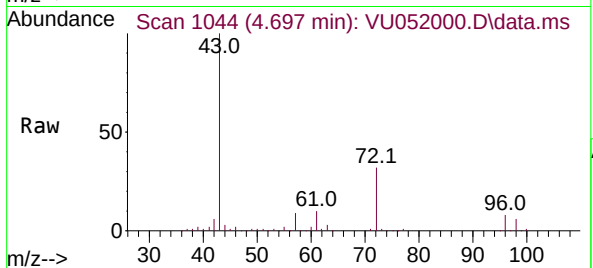
ClientSampleId :

Tgt Ion: 43 Resp: 300190

Ion Ratio Lower Upper

43 100

72 32.0 15.9 47.7



#23

Bromochloromethane

Concen: 45.657 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

Tgt Ion:128 Resp: 102830

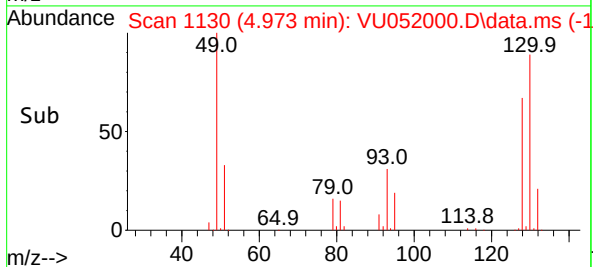
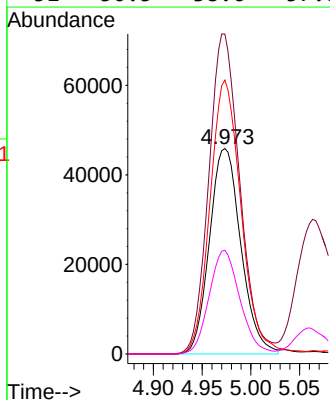
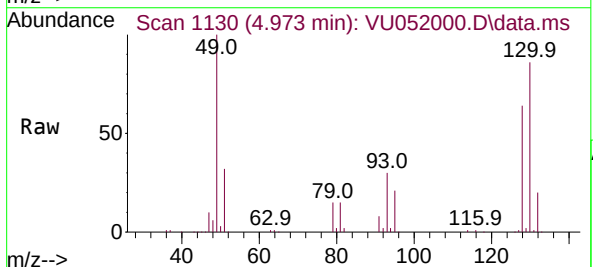
Ion Ratio Lower Upper

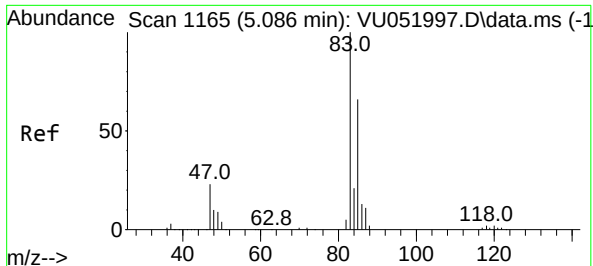
128 100

49 155.6 106.3 197.3

130 133.3 87.4 162.2

51 50.5 38.6 57.8





#25

Chloroform

Concen: 46.930 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

Instrument :

MSVOA_U

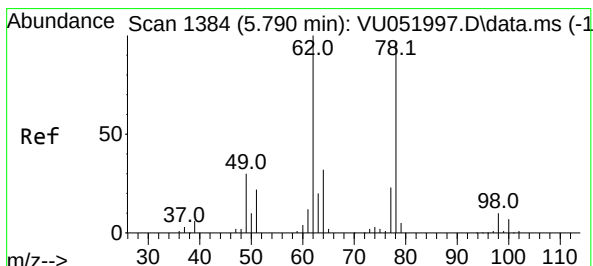
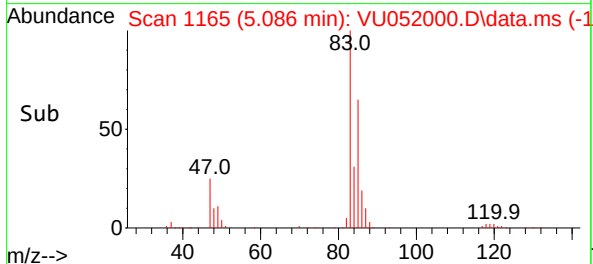
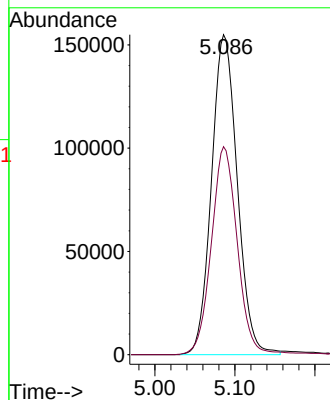
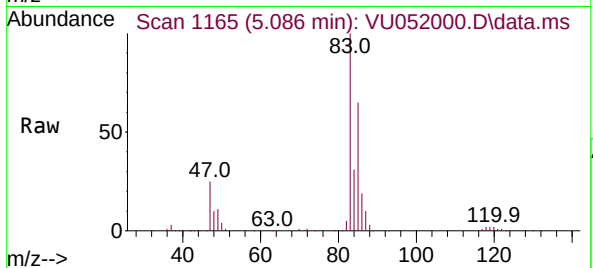
ClientSampleId :

Tgt Ion: 83 Resp: 347197

Ion Ratio Lower Upper

83 100

85 65.0 46.3 85.9



#27

1,2-Dichloroethane

Concen: 45.688 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU052000.D

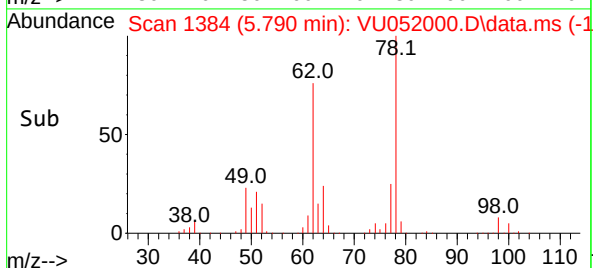
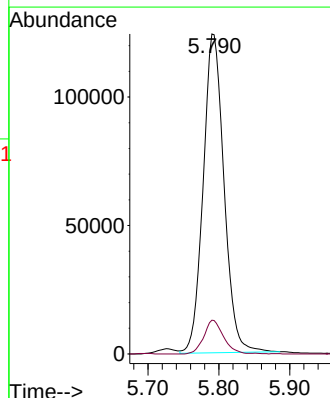
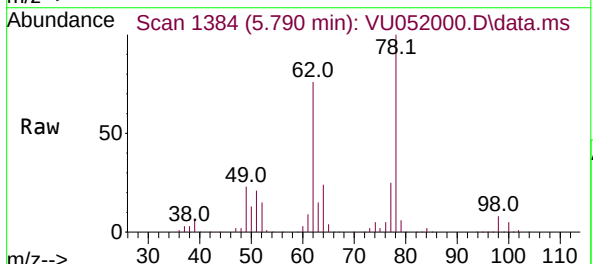
Acq: 21 Nov 2022 16:30

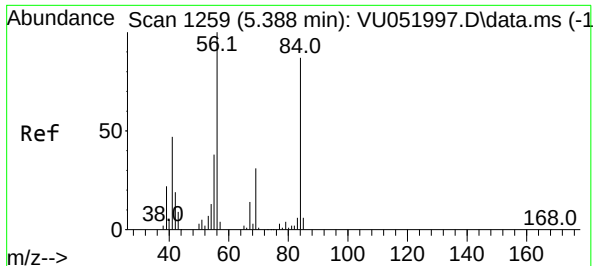
Tgt Ion: 62 Resp: 253576

Ion Ratio Lower Upper

62 100

98 10.6 7.9 11.9





#29

Cyclohexane

Concen: 55.246 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

Instrument :

MSVOA_U

ClientSampleId :

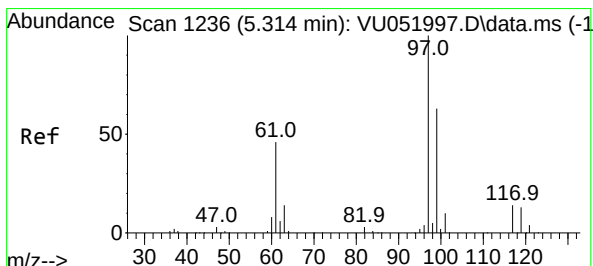
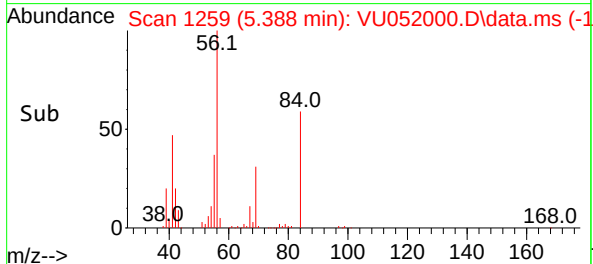
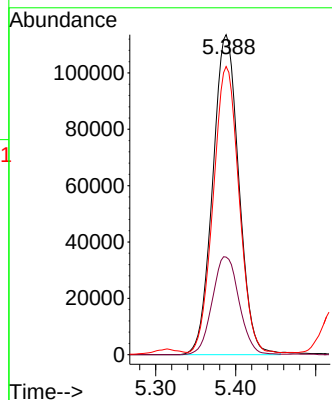
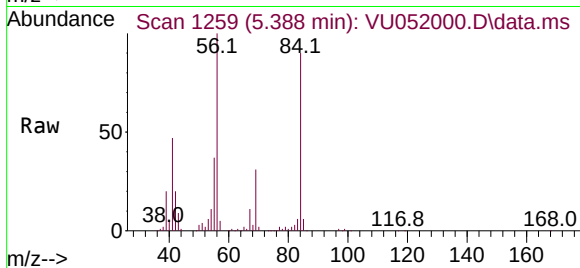
Tgt Ion: 56 Resp: 257394

Ion Ratio Lower Upper

56 100

69 31.5 25.7 38.5

84 87.6 70.2 105.2



#30

1,1,1-Trichloroethane

Concen: 49.329 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

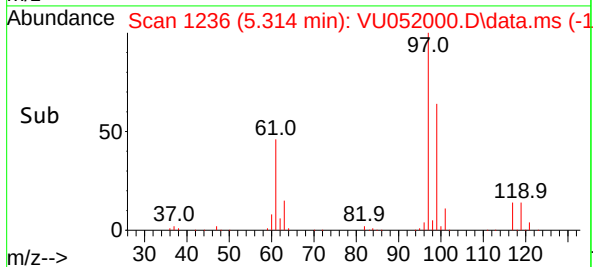
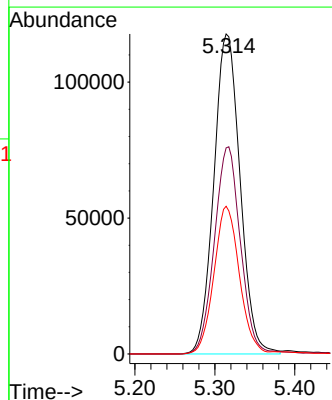
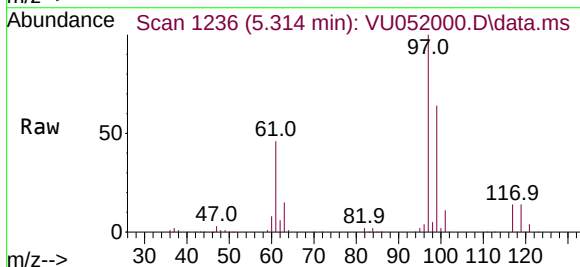
Tgt Ion: 97 Resp: 268763

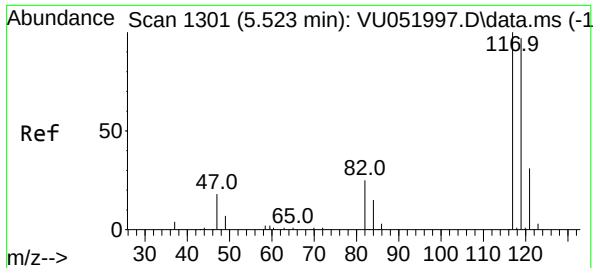
Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.0

61 44.8 37.2 55.8

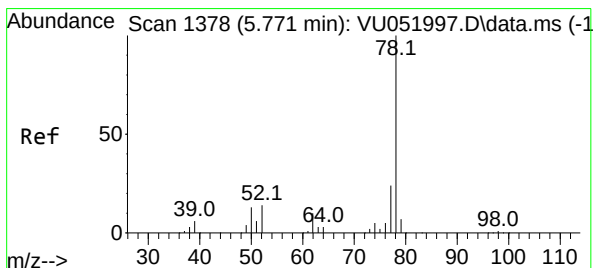
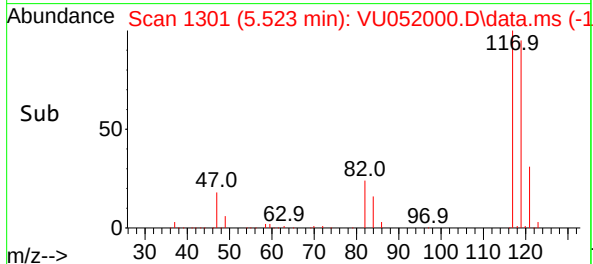
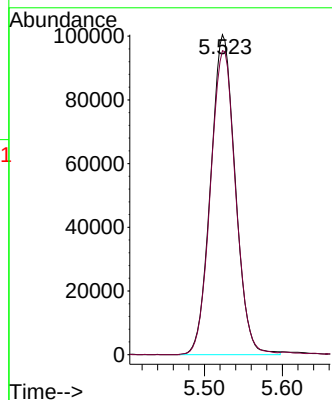
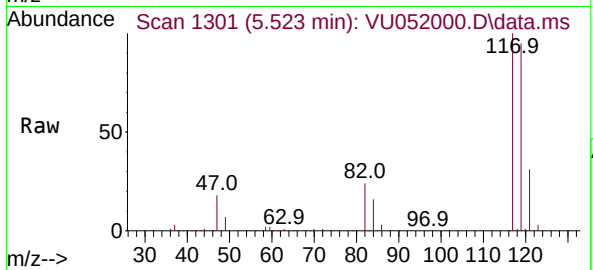




#31
Carbon tetrachloride
Concen: 50.043 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

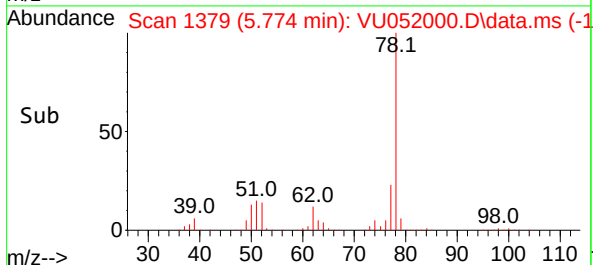
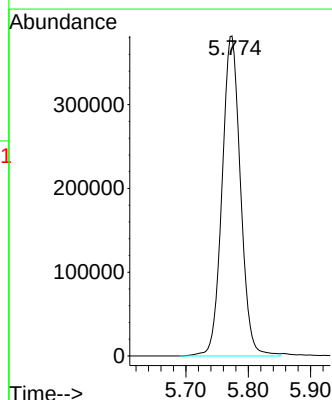
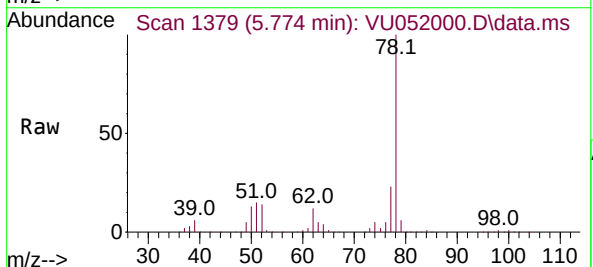
Instrument :
MSVOA_U
ClientSampleId :

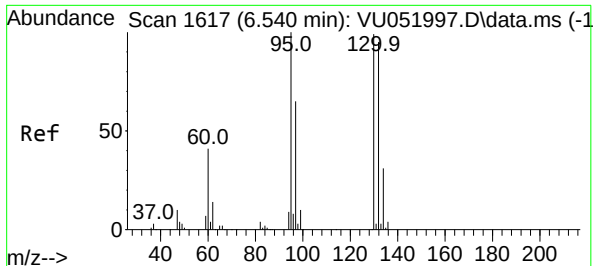
Tgt Ion:117 Resp: 220742
Ion Ratio Lower Upper
117 100
119 97.2 77.4 116.2



#33
Benzene
Concen: 49.780 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

Tgt Ion: 78 Resp: 783504





#34

Trichloroethene

Concen: 49.218 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.000 min

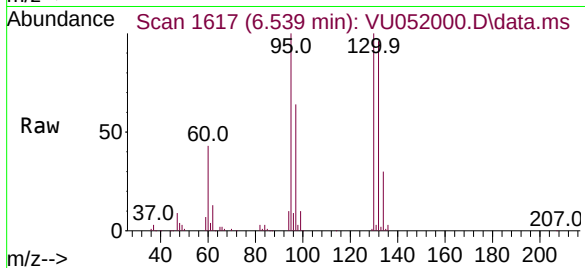
Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 180749

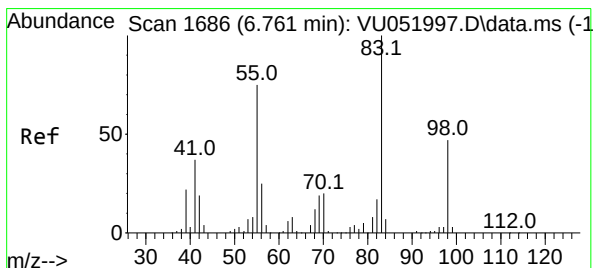
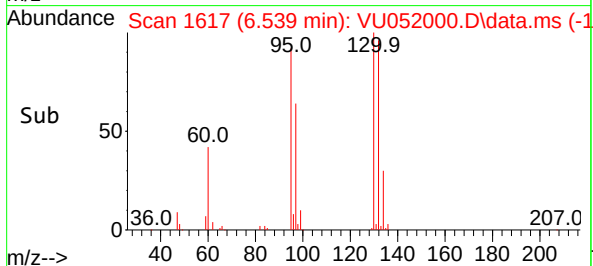
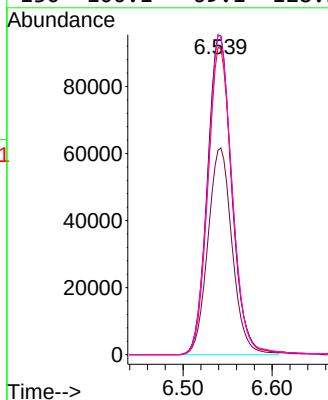
Ion Ratio Lower Upper

95 100

97 64.0 45.3 84.1

132 96.1 66.8 124.2

130 100.1 69.1 128.3



#35

Methylcyclohexane

Concen: 55.573 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

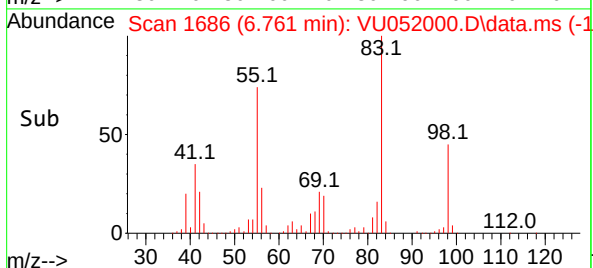
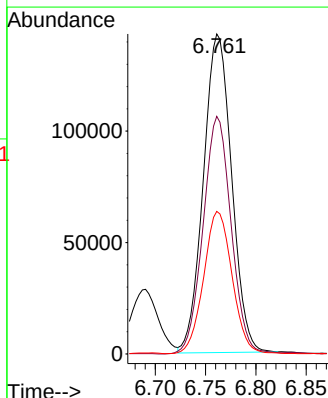
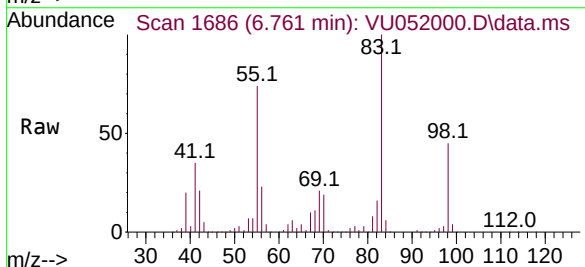
Tgt Ion: 83 Resp: 279707

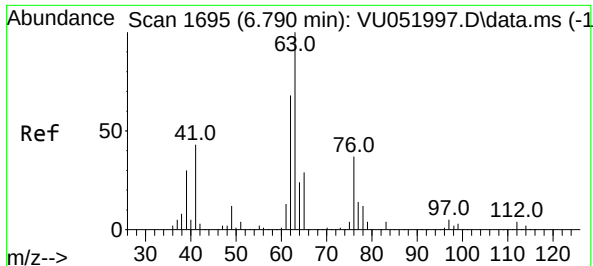
Ion Ratio Lower Upper

83 100

55 74.1 59.0 88.6

98 44.8 36.0 54.0





#37

1,2-Dichloropropane

Concen: 48.828 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

Instrument :

MSVOA_U

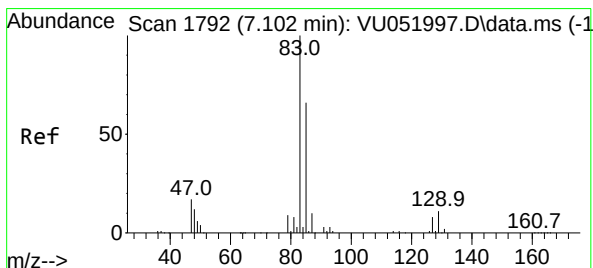
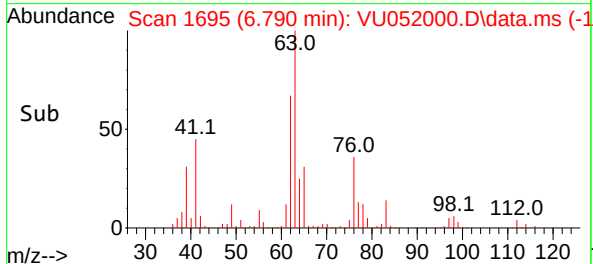
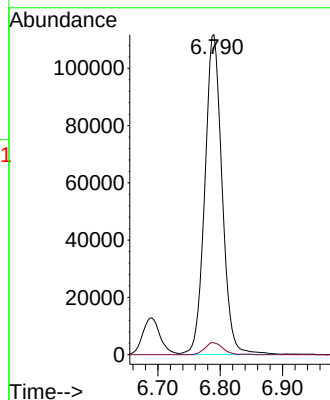
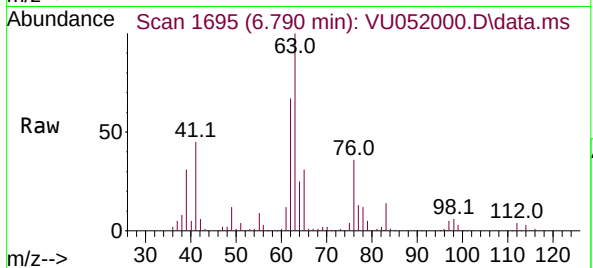
ClientSampleId :

Tgt Ion: 63 Resp: 214697

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.6



#38

Bromodichloromethane

Concen: 48.271 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.003 min

Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

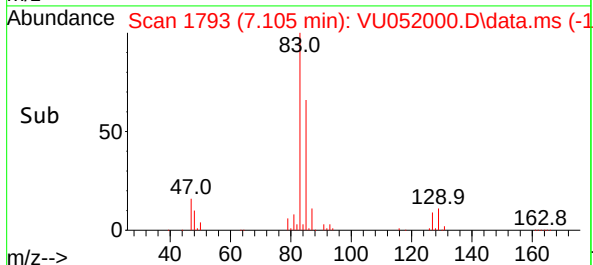
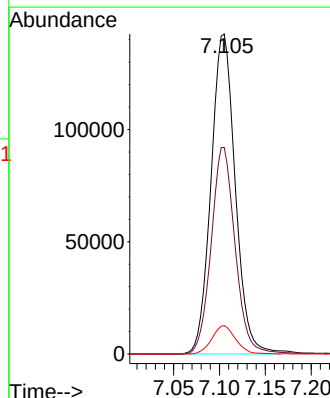
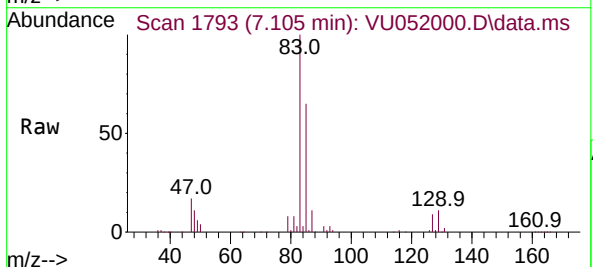
Tgt Ion: 83 Resp: 262053

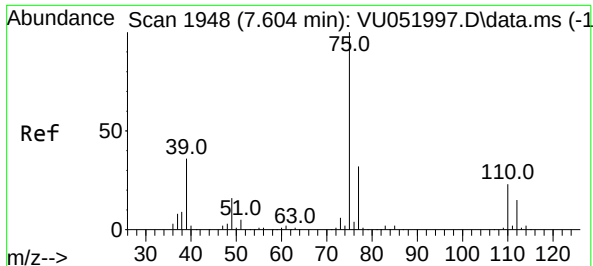
Ion Ratio Lower Upper

83 100

85 64.5 45.9 85.3

127 8.9 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 49.798 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

Instrument :

MSVOA_U

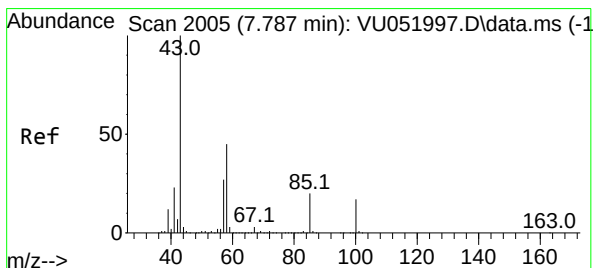
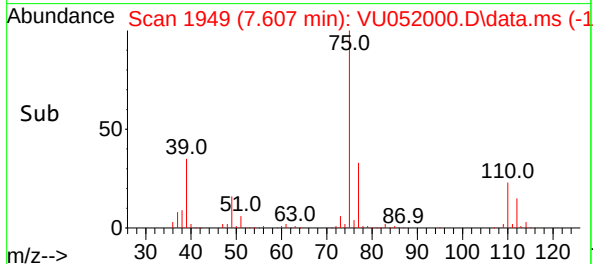
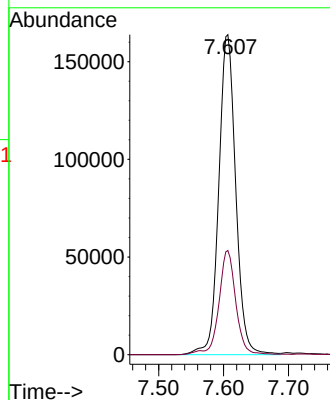
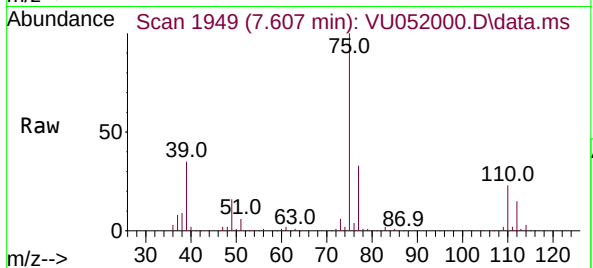
ClientSampleId :

Tgt Ion: 75 Resp: 296092

Ion Ratio Lower Upper

75 100

77 32.5 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 102.414 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

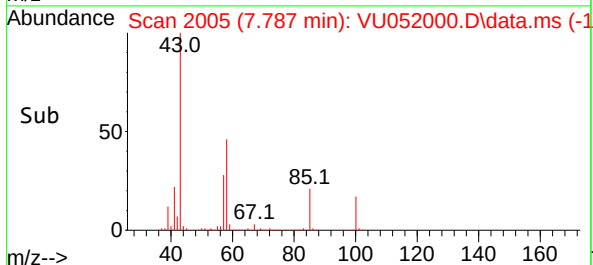
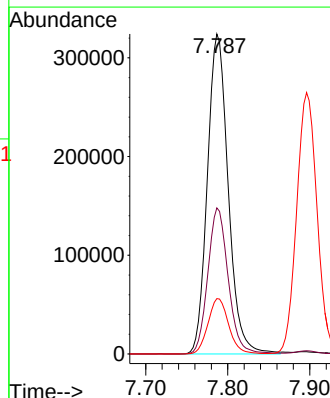
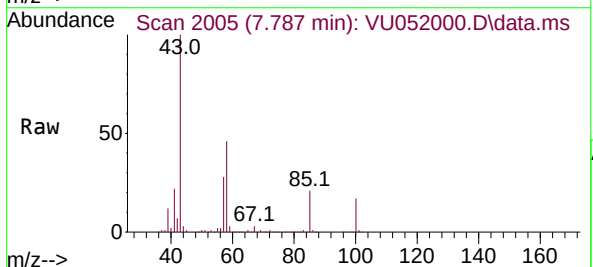
Tgt Ion: 43 Resp: 572752

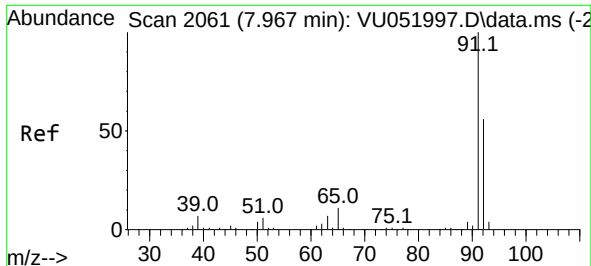
Ion Ratio Lower Upper

43 100

58 44.6 35.8 53.6

100 17.2 13.5 20.3

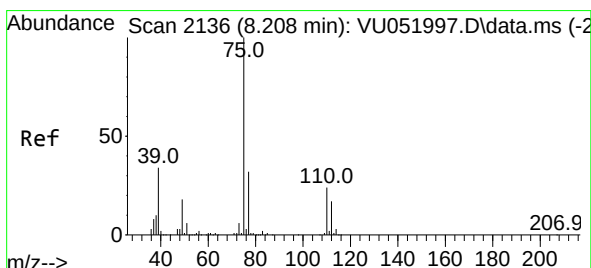
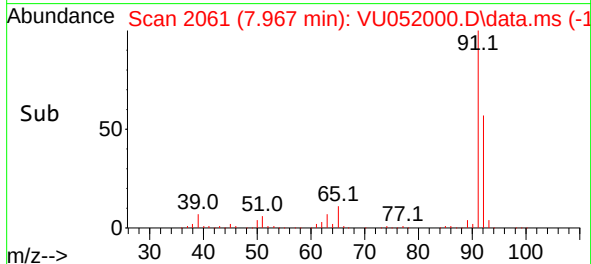
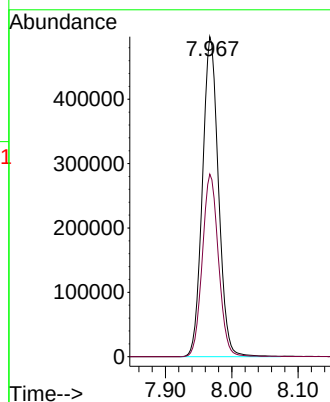
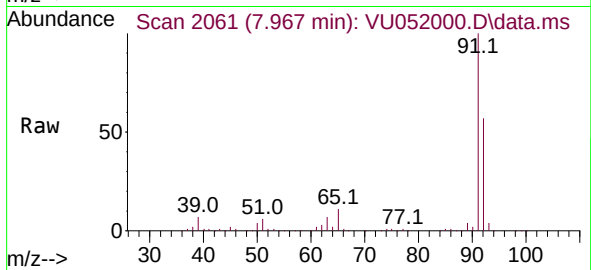




#42
Toluene
Concen: 51.256 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

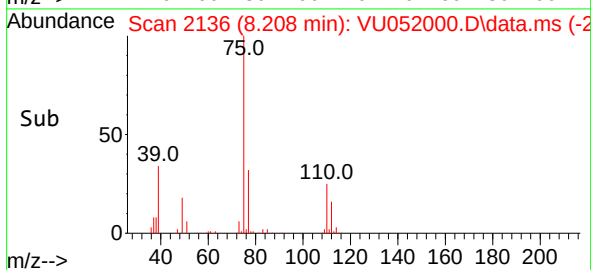
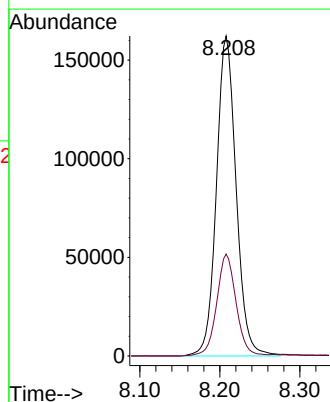
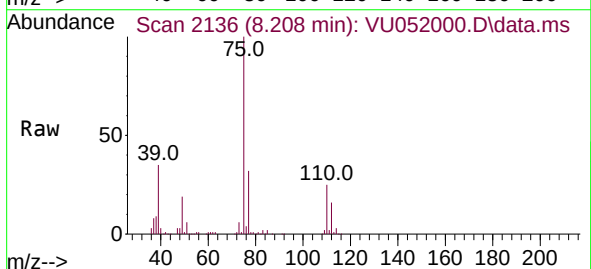
Instrument :
MSVOA_U
ClientSampleId :

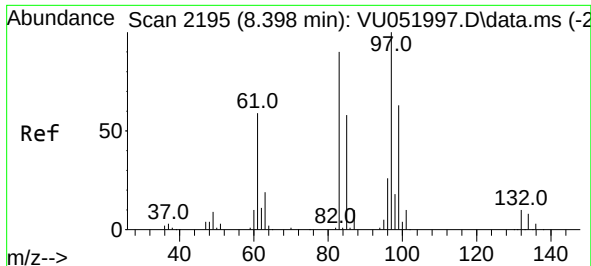
Tgt Ion: 91 Resp: 833629
Ion Ratio Lower Upper
91 100
92 57.0 39.2 72.8



#44
trans-1,3-Dichloropropene
Concen: 49.844 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. -0.000 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

Tgt Ion: 75 Resp: 277208
Ion Ratio Lower Upper
75 100
77 31.9 22.7 42.1



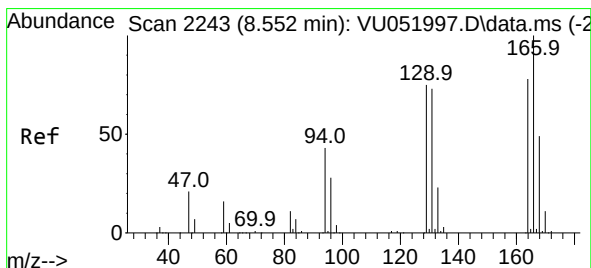
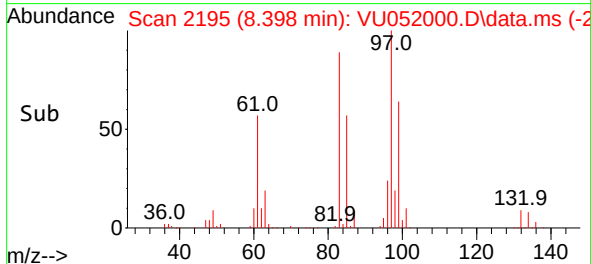
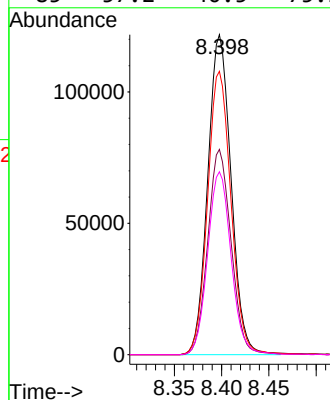
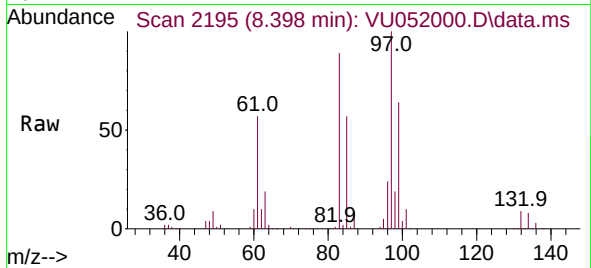


#45
1,1,2-Trichloroethane
Concen: 48.235 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 209080

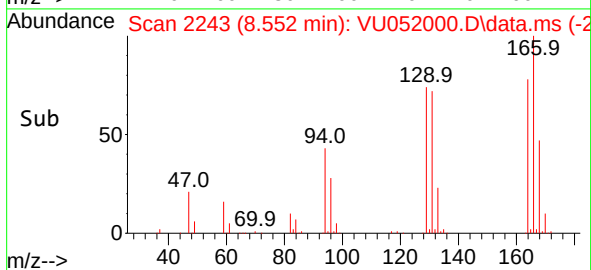
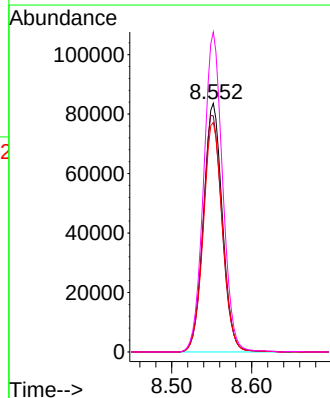
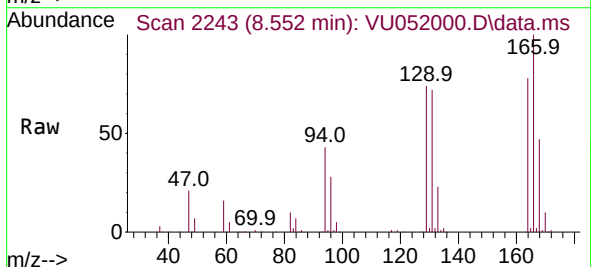
Ion	Ratio	Lower	Upper
97	100		
99	64.1	44.4	82.4
83	88.5	63.2	117.4
85	57.2	40.5	75.3

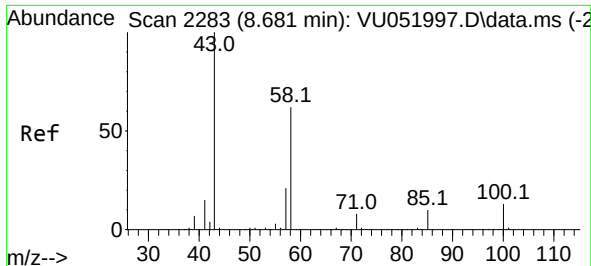


#46
Tetrachloroethene
Concen: 49.653 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

Tgt Ion: 164 Resp: 137564

Ion	Ratio	Lower	Upper
164	100		
129	94.9	67.3	124.9
131	92.3	65.2	121.2
166	128.7	89.9	166.9

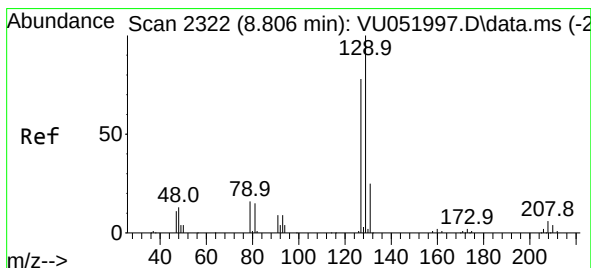
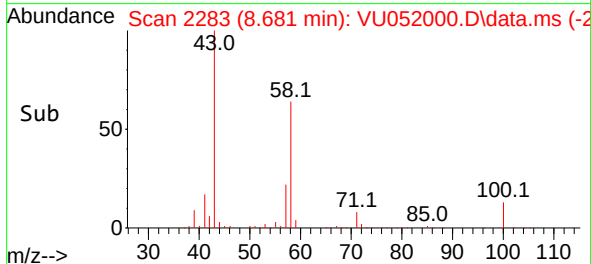
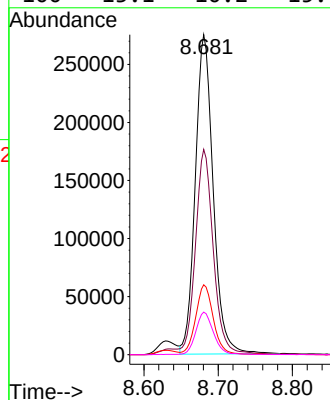
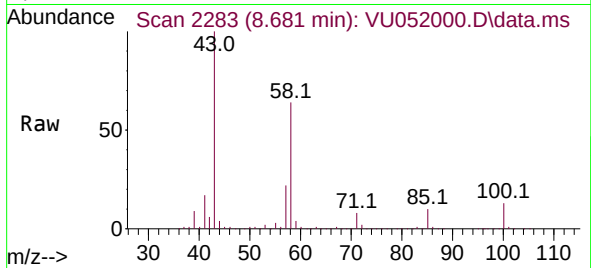




#48
2-Hexanone
Concen: 99.939 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

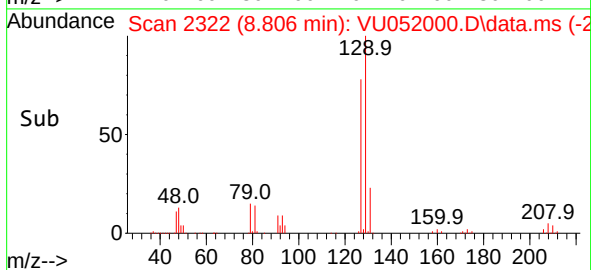
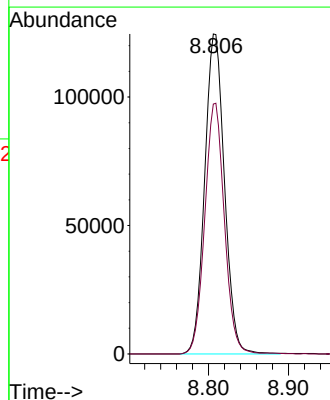
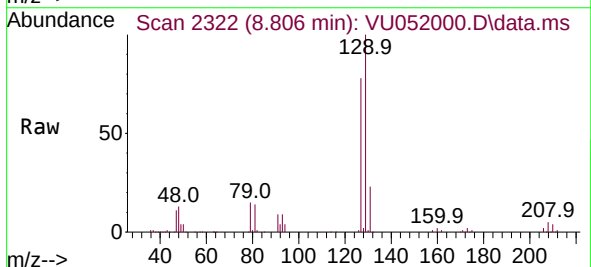
Instrument :
MSVOA_U
ClientSampleId :

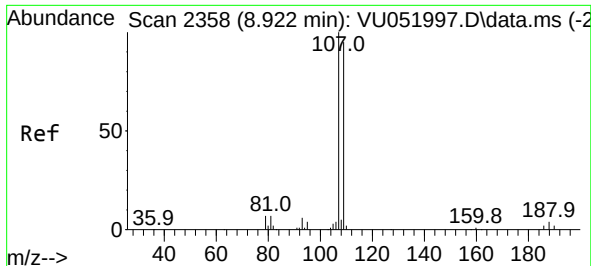
Tgt Ion:	43	Resp:	462514
Ion	Ratio	Lower	Upper
43	100		
58	63.7	49.6	74.4
57	21.6	16.8	25.2
100	13.1	10.2	15.4



#49
Dibromochloromethane
Concen: 48.746 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

Tgt Ion:	129	Resp:	214732
Ion	Ratio	Lower	Upper
129	100		
127	78.1	54.5	101.1





#50

1,2-Dibromoethane

Concen: 49.028 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

Instrument :

MSVOA_U

ClientSampleId :

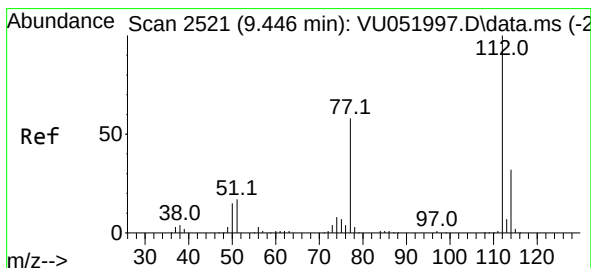
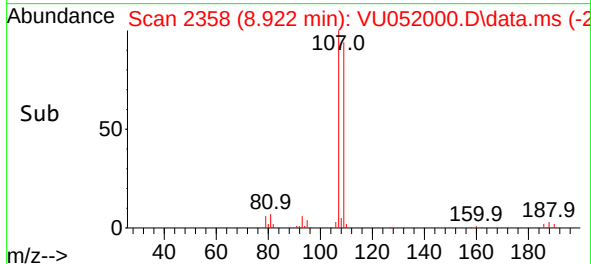
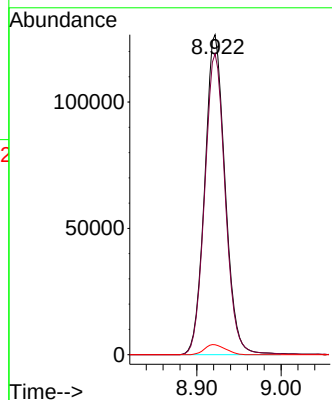
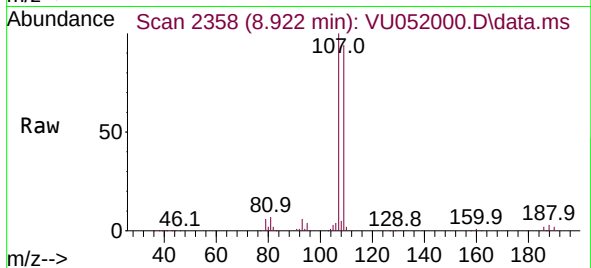
Tgt Ion:107 Resp: 213442

Ion Ratio Lower Upper

107 100

109 94.0 66.6 123.8

188 3.1 2.9 4.3



#51

Chlorobenzene

Concen: 48.764 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

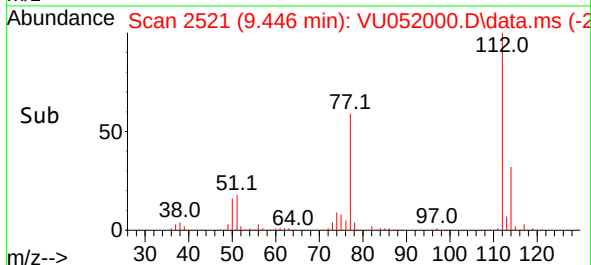
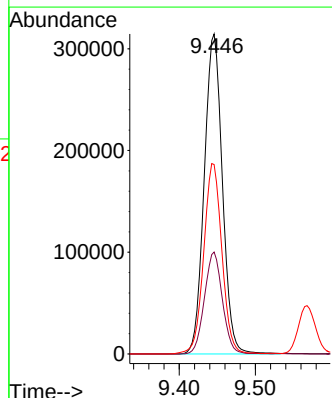
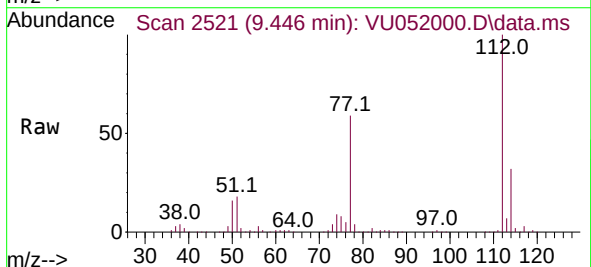
Tgt Ion:112 Resp: 521823

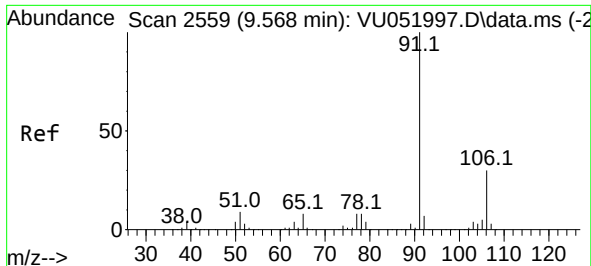
Ion Ratio Lower Upper

112 100

114 31.8 22.2 41.2

77 59.2 46.5 69.7

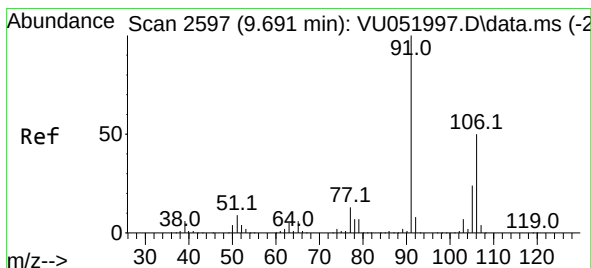
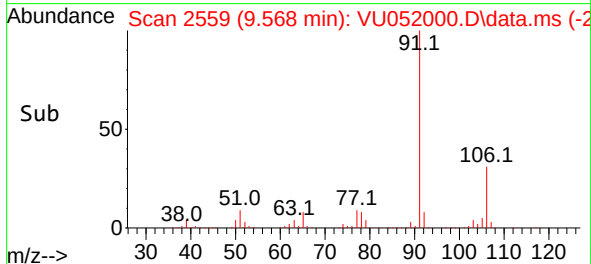
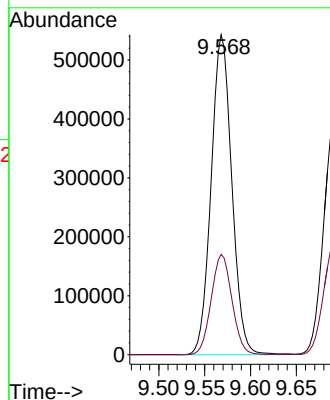
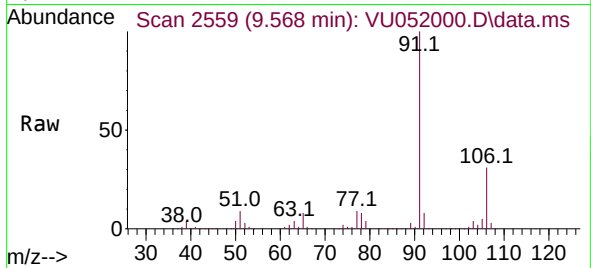




#52
Ethylbenzene
Concen: 51.376 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

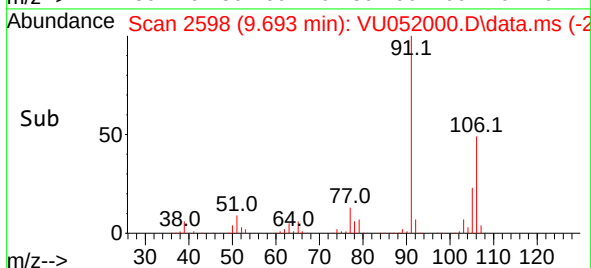
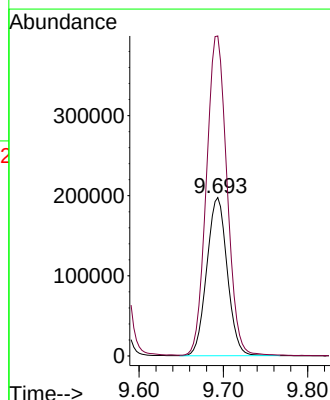
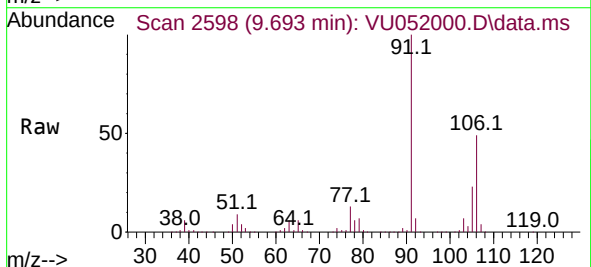
Instrument :
MSVOA_U
ClientSampleId :

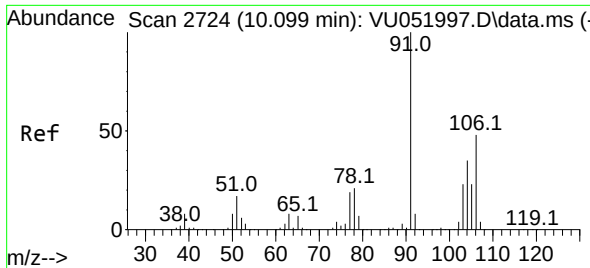
Tgt Ion: 91 Resp: 850792
Ion Ratio Lower Upper
91 100
106 31.4 21.2 39.4



#53
m,p-Xylene
Concen: 52.166 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

Tgt Ion: 106 Resp: 333771
Ion Ratio Lower Upper
106 100
91 202.1 140.3 260.6

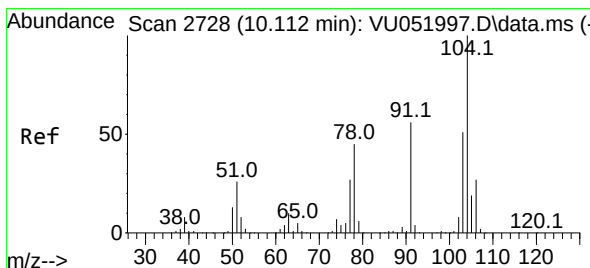
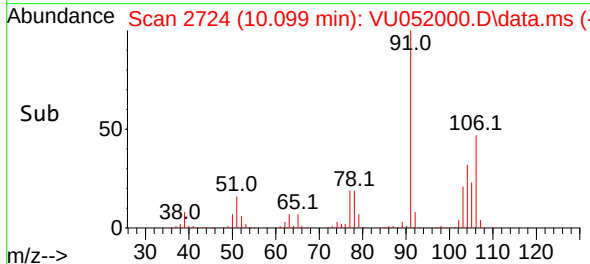
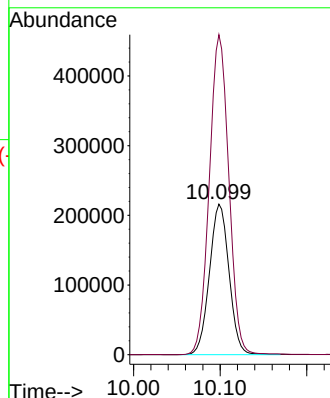
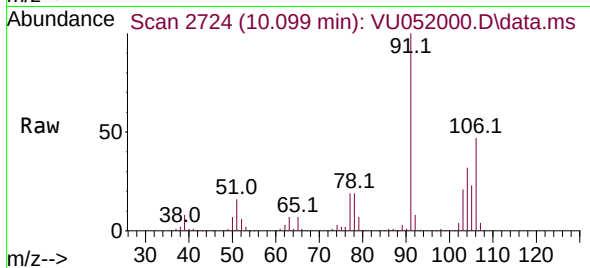




#54
o-Xylene
Concen: 52.394 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

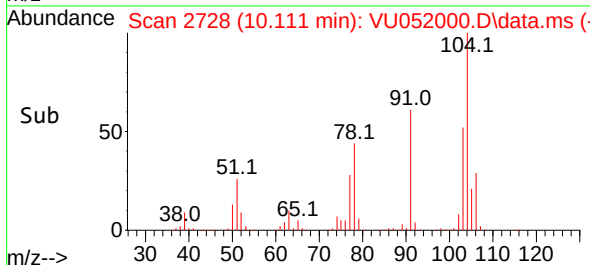
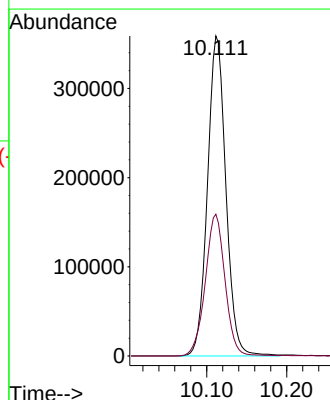
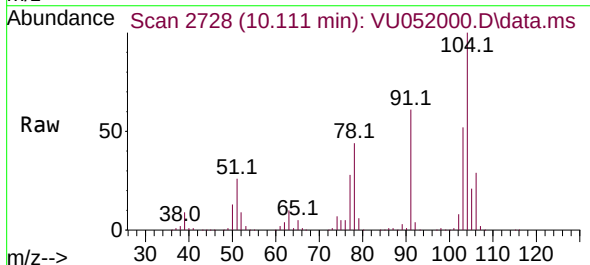
Instrument :
MSVOA_U
ClientSampleId :

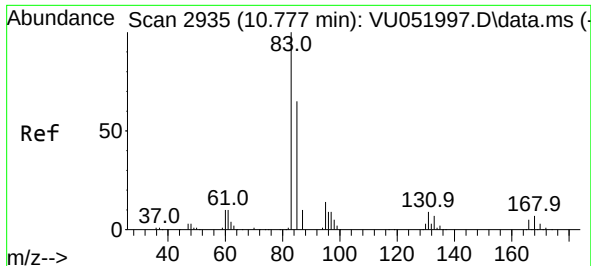
Tgt Ion:106 Resp: 339189
Ion Ratio Lower Upper
106 100
91 212.4 146.7 272.4



#55
Styrene
Concen: 52.490 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

Tgt Ion:104 Resp: 575692
Ion Ratio Lower Upper
104 100
78 44.3 31.2 58.0

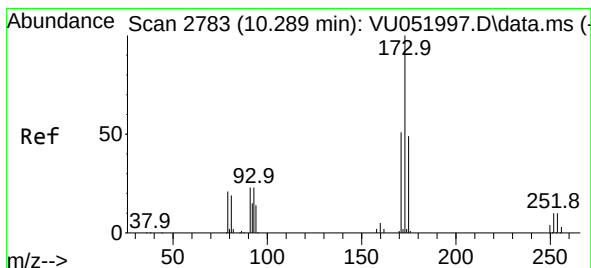
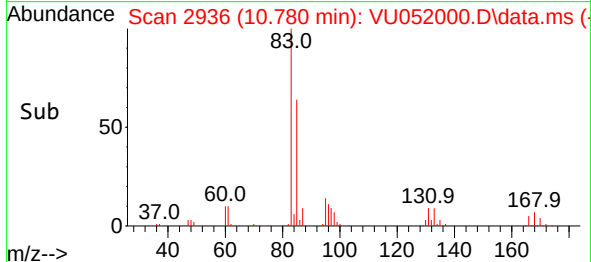
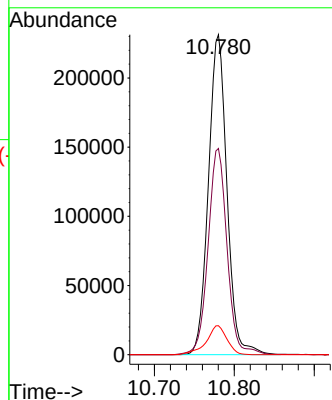
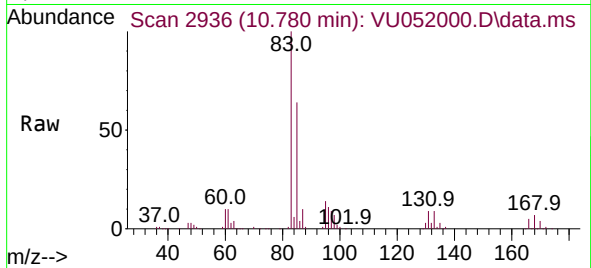




#57
1,1,2,2-Tetrachloroethane
Concen: 47.268 ug/L
RT: 10.780 min Scan# 2935
Delta R.T. 0.003 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

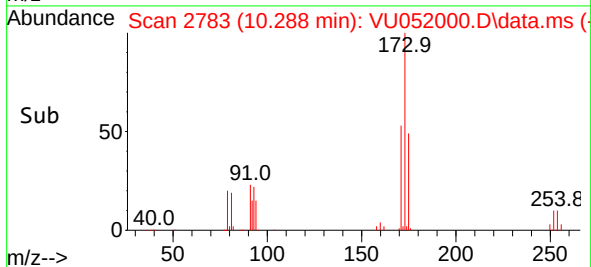
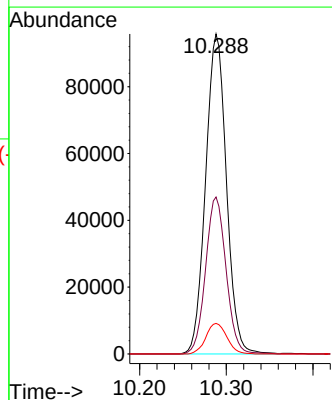
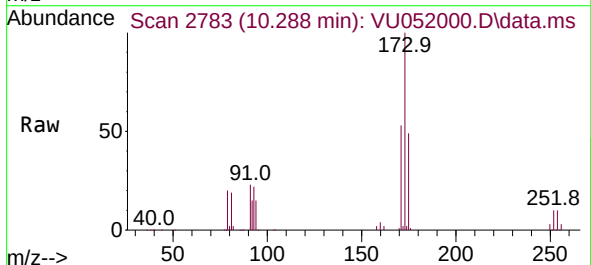
Instrument :
MSVOA_U
ClientSampleId :

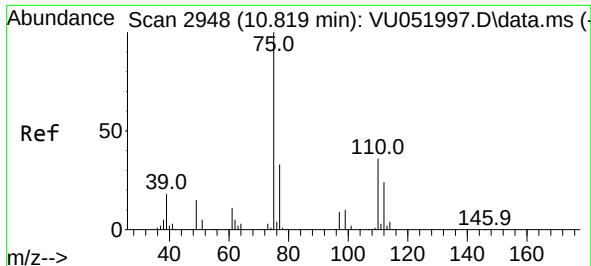
Tgt Ion: 83 Resp: 372836
Ion Ratio Lower Upper
83 100
85 64.5 45.4 84.2
131 9.0 7.3 10.9



#59
Bromoform
Concen: 47.103 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. -0.000 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

Tgt Ion:173 Resp: 160011
Ion Ratio Lower Upper
173 100
175 48.2 39.8 59.6
254 9.6 7.5 11.3

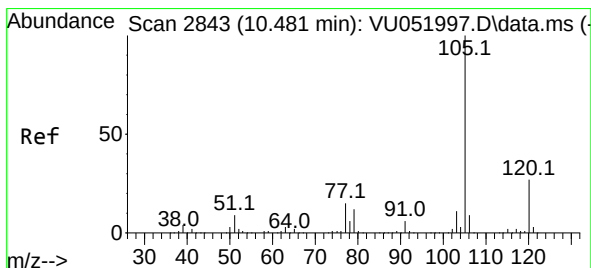
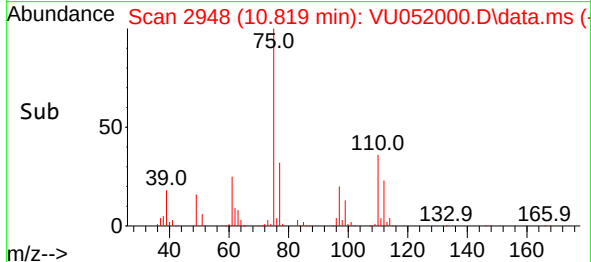
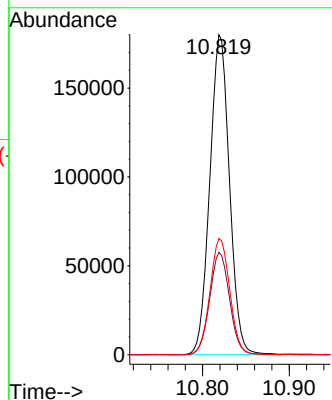
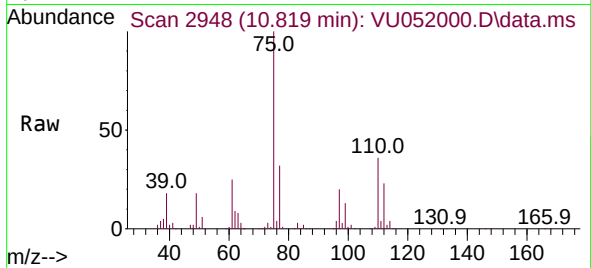




#60
1,2,3-Trichloropropane
Concen: 46.599 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

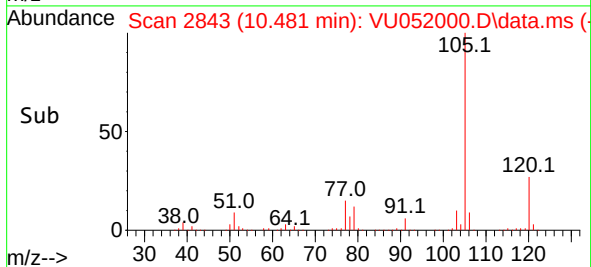
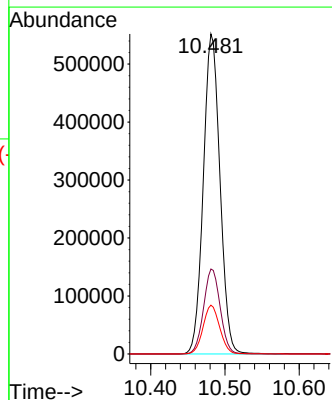
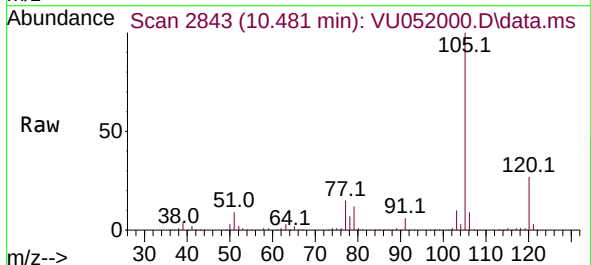
Instrument :
MSVOA_U
ClientSampleId :

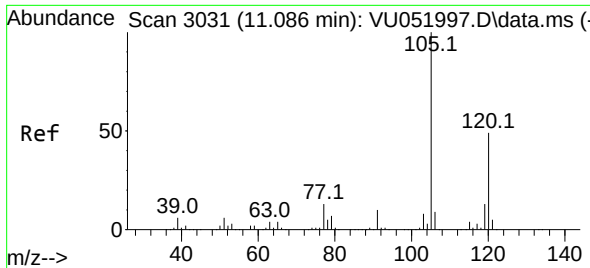
Tgt Ion: 75 Resp: 283816
Ion Ratio Lower Upper
75 100
77 32.3 26.0 39.0
110 36.5 29.0 43.4



#61
Isopropylbenzene
Concen: 53.657 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

Tgt Ion: 105 Resp: 858772
Ion Ratio Lower Upper
105 100
120 26.5 21.1 31.7
77 15.2 12.4 18.6

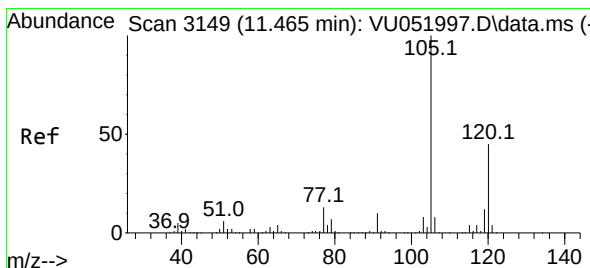
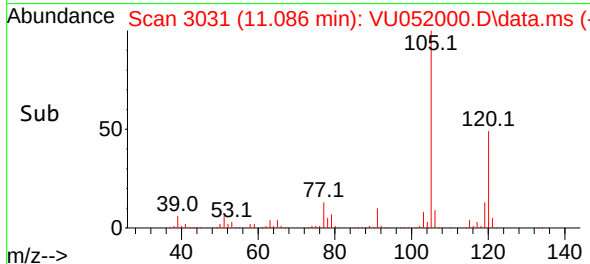
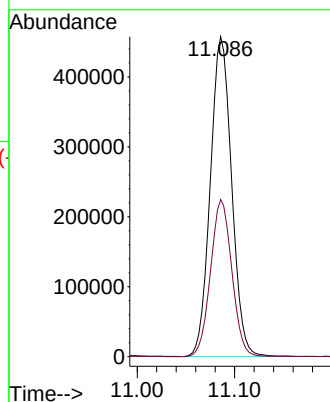
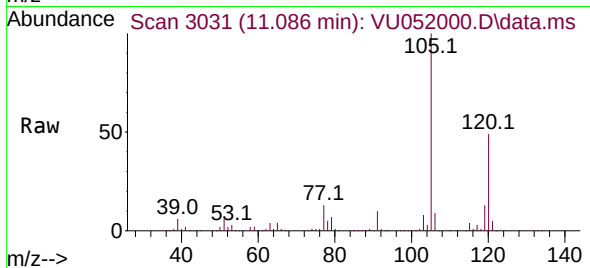




#62
1,3,5-Trimethylbenzene
Concen: 54.290 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

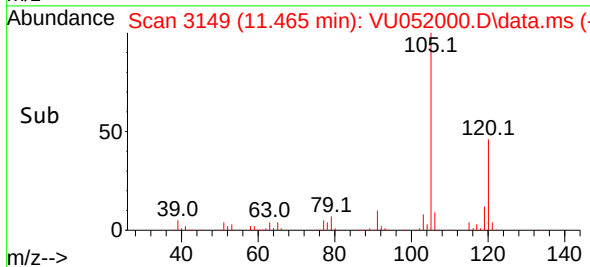
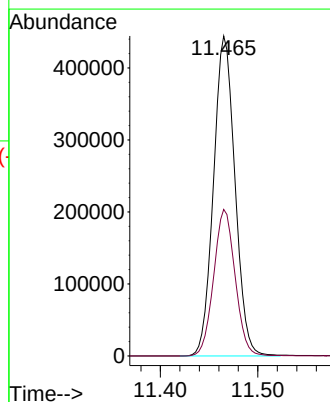
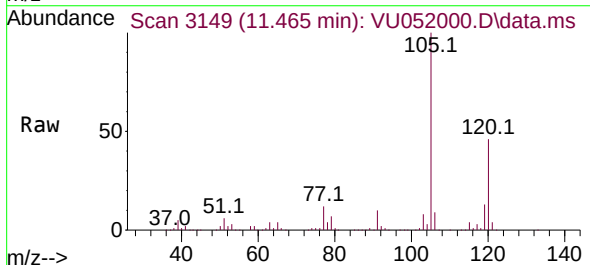
Instrument :
MSVOA_U
ClientSampleId :

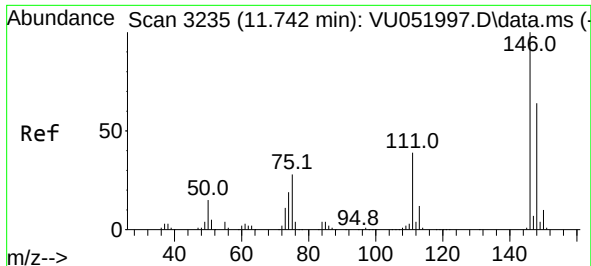
Tgt Ion:105 Resp: 694215
Ion Ratio Lower Upper
105 100
120 49.1 39.3 58.9



#63
1,2,4-Trimethylbenzene
Concen: 54.632 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

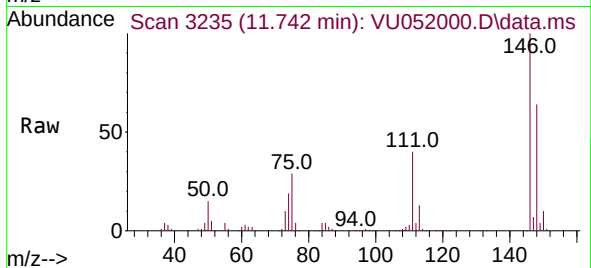
Tgt Ion:105 Resp: 680773
Ion Ratio Lower Upper
105 100
120 45.7 36.1 54.1



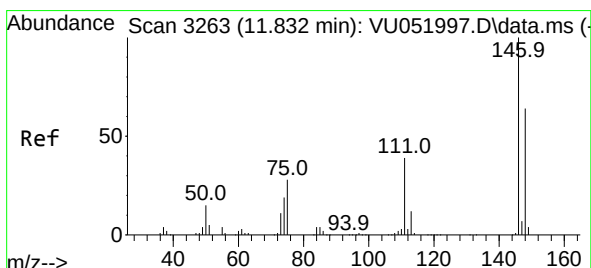
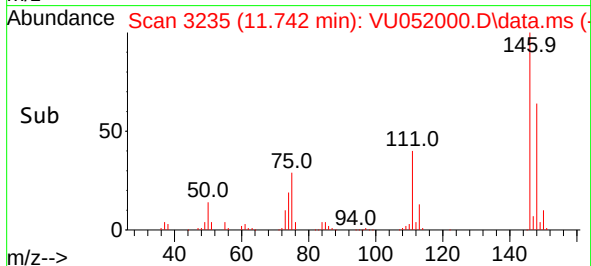
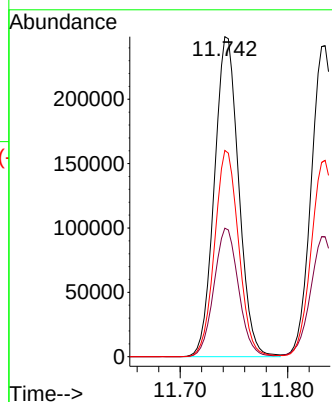


#64
1,3-Dichlorobenzene
Concen: 50.391 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

Instrument :
MSVOA_U
ClientSampleId :

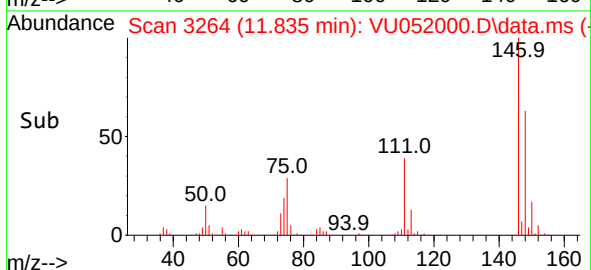
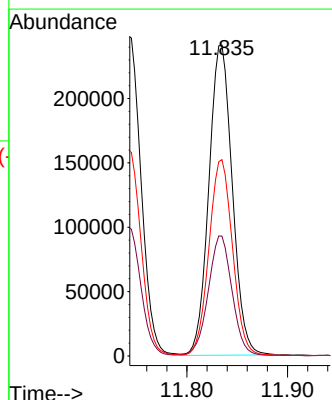
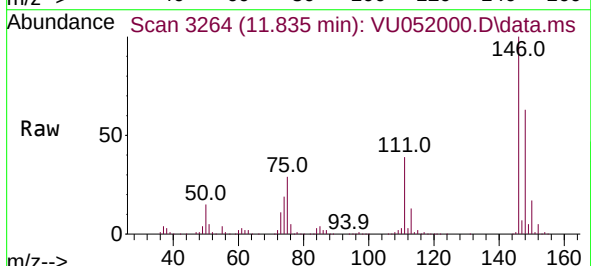


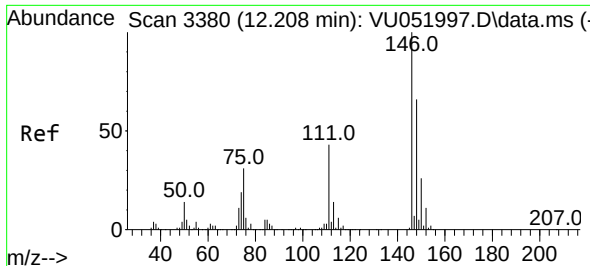
Tgt Ion:146 Resp: 390959
Ion Ratio Lower Upper
146 100
111 40.2 27.5 51.1
148 64.5 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 49.422 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

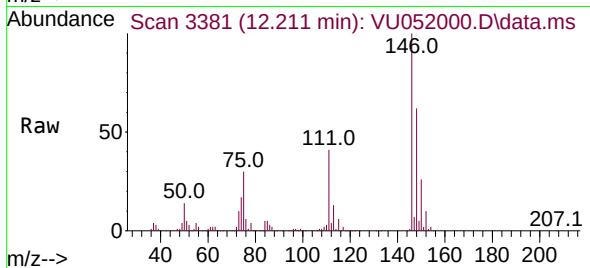
Tgt Ion:146 Resp: 390703
Ion Ratio Lower Upper
146 100
111 38.5 27.6 51.2
148 63.1 44.8 83.2



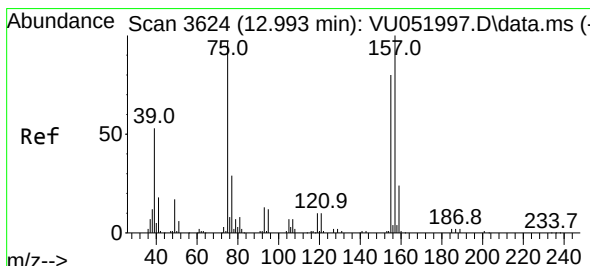
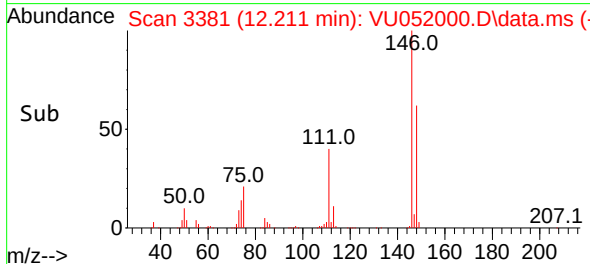
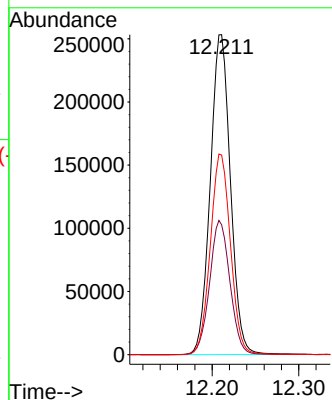


#67
1,2-Dichlorobenzene
Concen: 50.337 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

Instrument :
MSVOA_U
ClientSampleId :

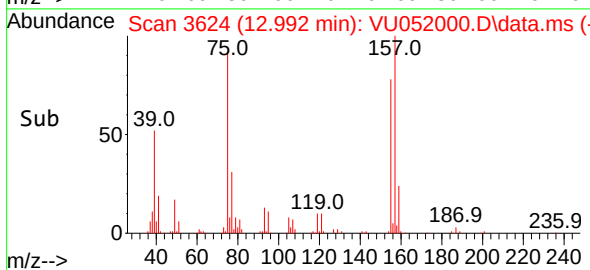
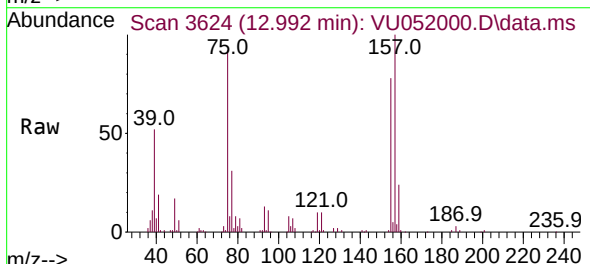
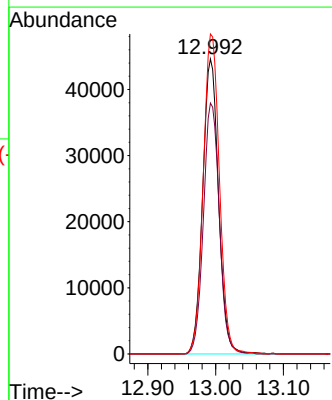


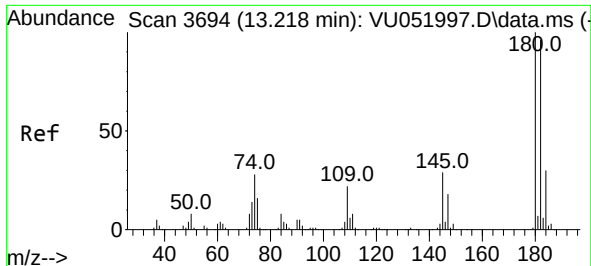
Tgt Ion:146 Resp: 409196
Ion Ratio Lower Upper
146 100
111 40.6 34.2 51.4
148 62.4 52.6 79.0



#68
1,2-Dibromo-3-chloropropane
Concen: 48.354 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU052000.D
Acq: 21 Nov 2022 16:30

Tgt Ion: 75 Resp: 72558
Ion Ratio Lower Upper
75 100
155 85.0 66.3 99.5
157 108.5 82.8 124.2





#69

1,3,5-Trichlorobenzene

Concen: 51.342 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. -0.000 min

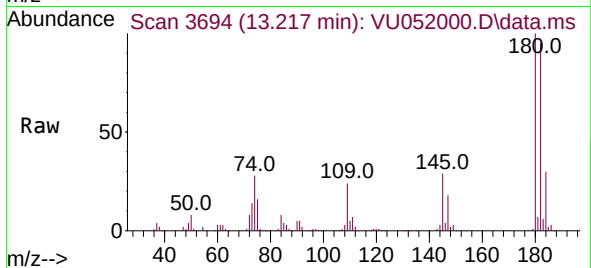
Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 265934

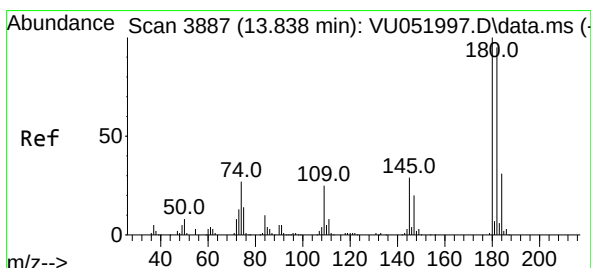
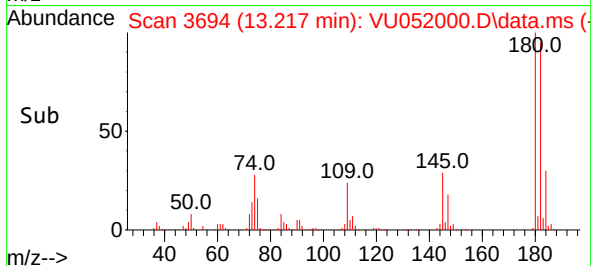
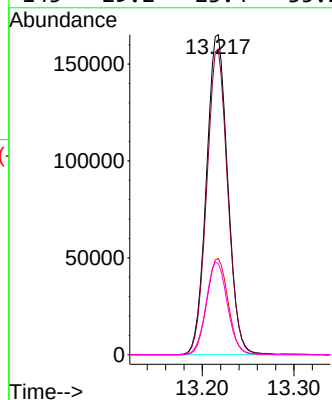
Ion Ratio Lower Upper

180 100

182 94.3 77.2 115.8

184 30.0 24.6 36.8

145 29.2 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 54.279 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.000 min

Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

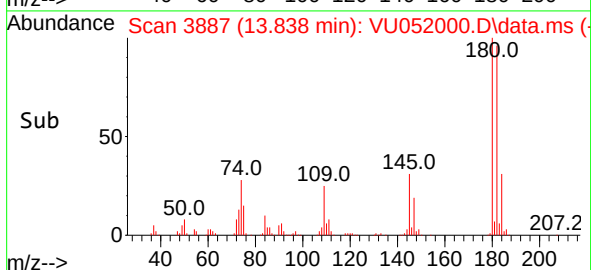
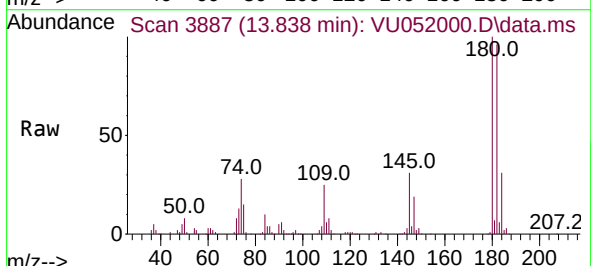
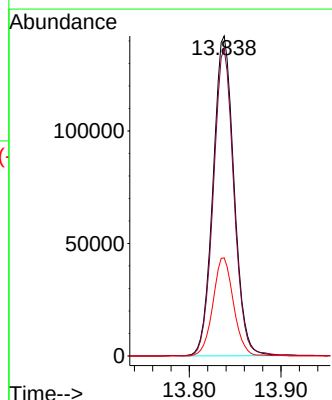
Tgt Ion:180 Resp: 225842

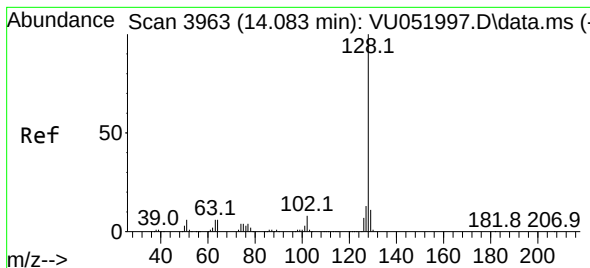
Ion Ratio Lower Upper

180 100

182 94.3 75.4 113.2

145 30.1 23.4 35.0





#71

Naphthalene

Concen: 67.817 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

Instrument :

MSVOA_U

ClientSampleId :

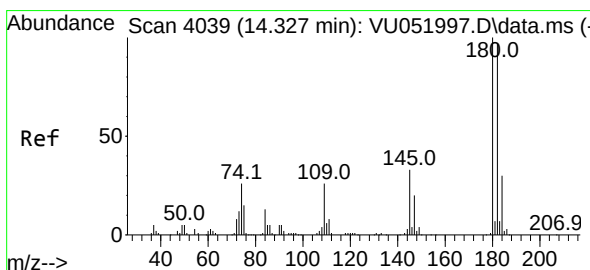
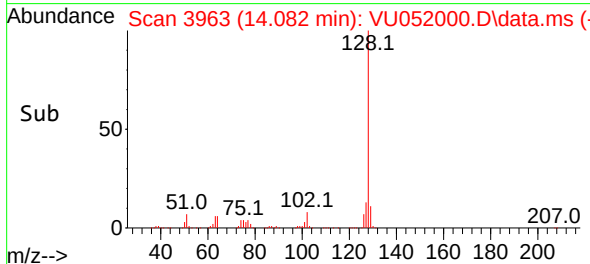
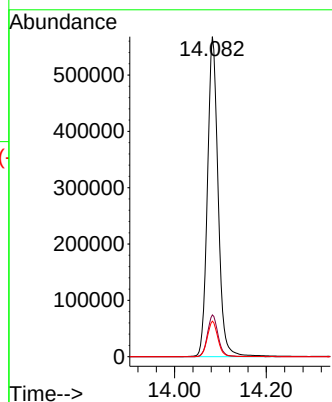
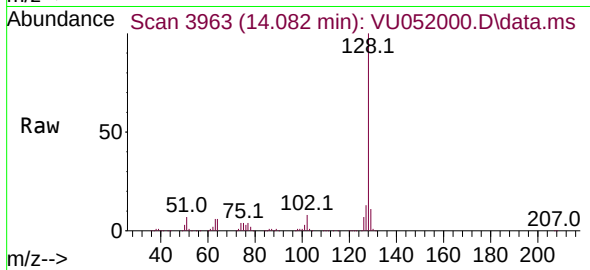
Tgt Ion:128 Resp: 918636

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 57.930 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. -0.000 min

Lab File: VU052000.D

Acq: 21 Nov 2022 16:30

Tgt Ion:180 Resp: 261131

Ion Ratio Lower Upper

180 100

182 95.4 76.1 114.1

145 31.9 25.8 38.6

