

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112122\
 Data File : VU052022.D
 Acq On : 22 Nov 2022 02:43
 Operator : JC/MD
 Sample : N5737-03MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4345MSD

Quant Time: Nov 22 03:02:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 22 01:03:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	452300	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	445855	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	220406	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	175128	44.681	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.360%
7) Chloroethane-d5	1.906	69	146596	47.226	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.460%
11) 1,1-Dichloroethene-d2	2.568	63	273884	47.141	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.280%
21) 2-Butanone-d5	4.617	46	242908	103.131	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.130%
24) Chloroform-d	5.060	84	317177	49.390	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.780%
26) 1,2-Dichloroethane-d4	5.697	65	188509	48.807	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.620%
32) Benzene-d6	5.726	84	650867	48.976	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.960%
36) 1,2-Dichloropropane-d6	6.687	67	210946	49.409	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.820%
41) Toluene-d8	7.896	98	592847	49.930	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.860%
43) trans-1,3-Dichloroprop...	8.176	79	88709	48.809	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.620%
47) 2-Hexanone-d5	8.629	63	176563	106.015	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.020%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	338362	50.095	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	12.189	152	222148	48.739	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	122701	50.536	ug/L	99
3) Chloromethane	1.527	50	172639	49.614	ug/L	100
5) Vinyl chloride	1.604	62	176668	49.450	ug/L	97
6) Bromomethane	1.845	94	99854	55.683	ug/L	96
8) Chloroethane	1.929	64	119034	50.810	ug/L	99
9) Trichlorofluoromethane	2.138	101	214897	50.316	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	134619	49.090	ug/L	99
12) 1,1-Dichloroethene	2.578	96	130037	49.652	ug/L	98
13) Acetone	2.620	43	206913	96.167	ug/L	98
14) Carbon disulfide	2.793	76	328535	49.609	ug/L	99
15) Methyl Acetate	2.945	43	162721	47.371	ug/L	100
16) Methylene chloride	3.044	84	185736	46.563	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	145593	52.248	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	488928	54.018	ug/L	100
19) 1,1-Dichloroethane	3.867	63	298960	52.149	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	177524	53.063	ug/L	97
22) 2-Butanone	4.697	43	254823	94.988	ug/L	99
23) Bromochloromethane	4.970	128	96099	53.363	ug/L	99
25) Chloroform	5.086	83	310595	52.506	ug/L	98

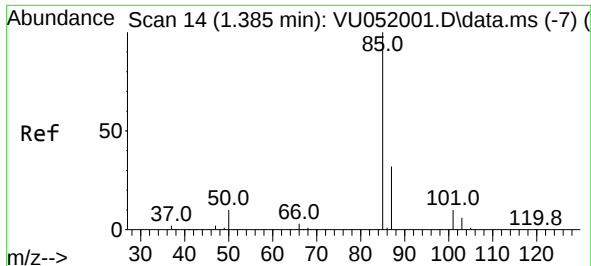
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112122\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	231269	52.114	ug/L	99
29) Cyclohexane	5.388	56	207106	52.971	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	233293	51.024	ug/L	99
31) Carbon tetrachloride	5.523	117	186175	50.294	ug/L	98
33) Benzene	5.771	78	709362	53.705	ug/L	100
34) Trichloroethene	6.539	95	154552	50.149	ug/L	98
35) Methylcyclohexane	6.761	83	217393	51.469	ug/L	99
37) 1,2-Dichloropropane	6.787	63	193894	52.546	ug/L	99
38) Bromodichloromethane	7.102	83	235401	51.670	ug/L	97
39) cis-1,3-Dichloropropene	7.604	75	253667	50.838	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	511761	109.043	ug/L	100
42) Toluene	7.967	91	730486	53.520	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	241766	51.802	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	189766	52.169	ug/L	99
46) Tetrachloroethene	8.552	164	112769	48.503	ug/L	99
48) 2-Hexanone	8.681	43	412466	106.203	ug/L	99
49) Dibromochloromethane	8.806	129	190419	51.509	ug/L	99
50) 1,2-Dibromoethane	8.919	107	191984	52.549	ug/L	100
51) Chlorobenzene	9.443	112	508194	56.591	ug/L	99
52) Ethylbenzene	9.568	91	730158	52.540	ug/L	98
53) m,p-Xylene	9.690	106	285940	53.253	ug/L	99
54) o-Xylene	10.099	106	294158	54.145	ug/L	99
55) Styrene	10.111	104	503020	54.652	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	352473	53.249	ug/L	99
59) Bromoform	10.288	173	143933	50.423	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	263318	51.450	ug/L	99
61) Isopropylbenzene	10.481	105	731210	54.370	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	587900	54.714	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	580042	55.395	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	342749	52.573	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	359764	54.157	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	374550	54.832	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	66491	52.733	ug/L	97
69) 1,3,5-Trichlorobenzene	13.214	180	226047	51.936	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	186063	53.218	ug/L	98
71) Naphthalene	14.082	128	683847	60.079	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	211796	55.916	ug/L	98

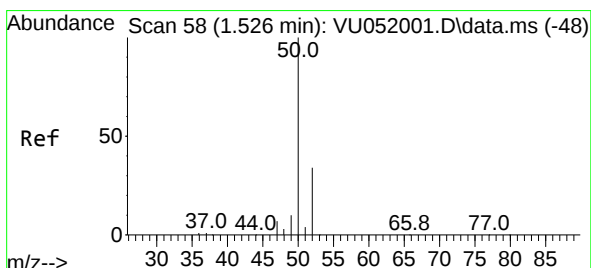
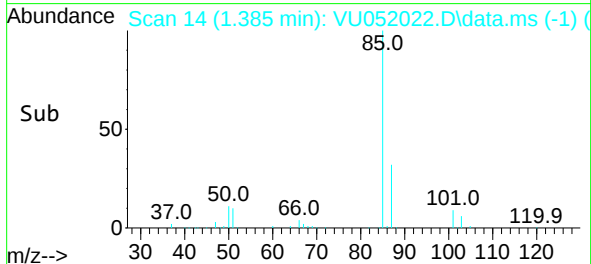
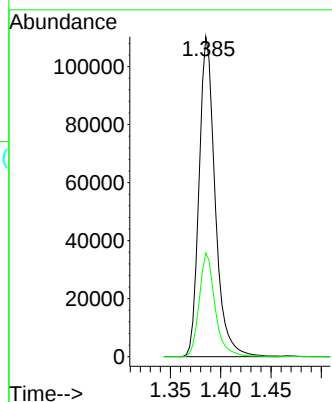
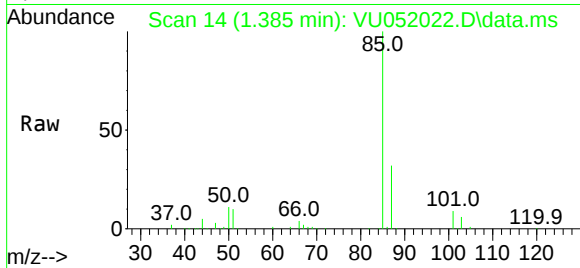
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#2
Dichlorodifluoromethane
Concen: 50.536 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

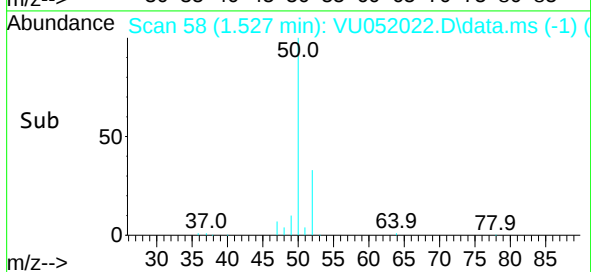
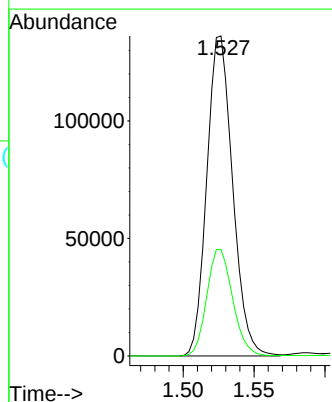
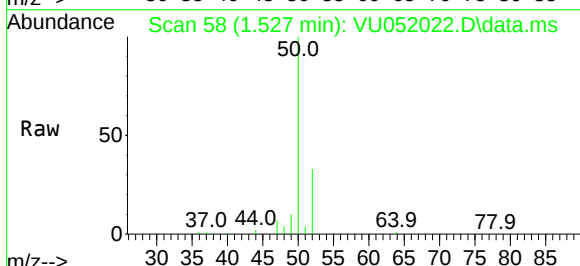
Instrument :
MSVOA_U
ClientSampleId :
A4345MSD

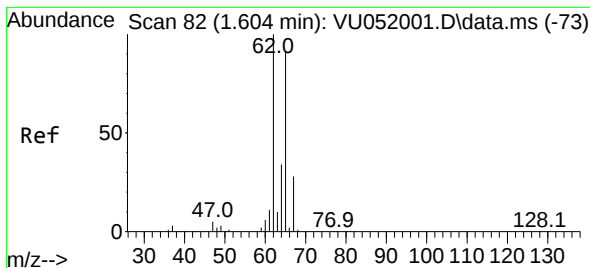
Tgt Ion: 85 Resp: 122701
Ion Ratio Lower Upper
85 100
87 32.0 25.9 38.9



#3
Chloromethane
Concen: 49.614 ug/L
RT: 1.527 min Scan# 58
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

Tgt Ion: 50 Resp: 172639
Ion Ratio Lower Upper
50 100
52 33.2 23.1 42.9





#5

Vinyl chloride

Concen: 49.450 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU052022.D

Acq: 22 Nov 2022 02:43

Instrument :

MSVOA_U

ClientSampleId :

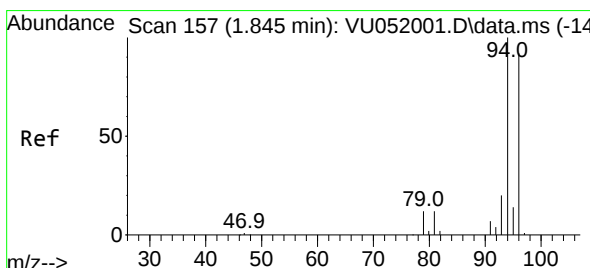
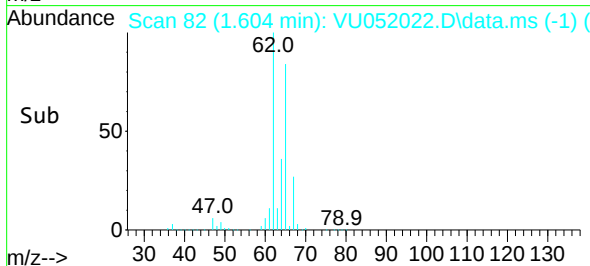
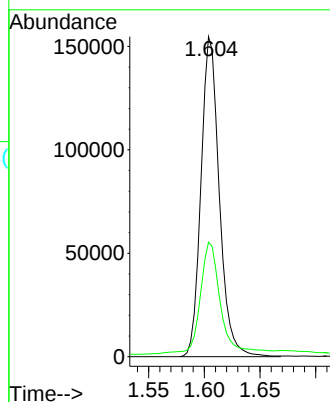
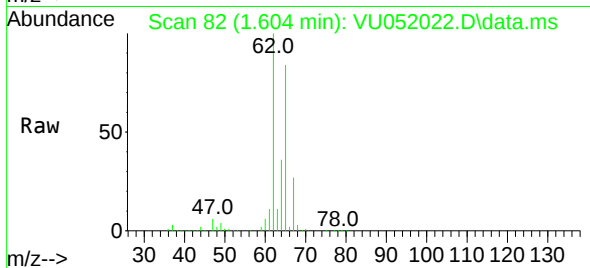
A4345MSD

Tgt Ion: 62 Resp: 176668

Ion Ratio Lower Upper

62 100

64 35.8 23.9 44.3



#6

Bromomethane

Concen: 55.683 ug/L

RT: 1.845 min Scan# 157

Delta R.T. 0.000 min

Lab File: VU052022.D

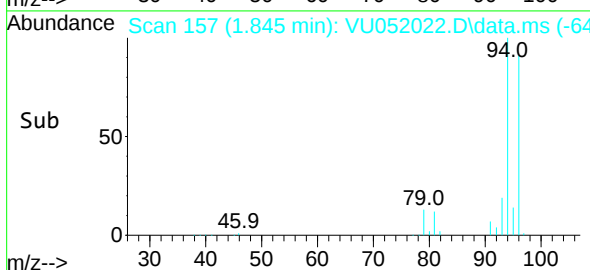
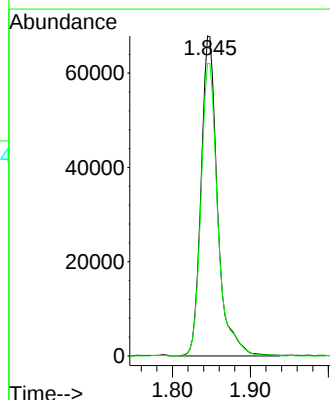
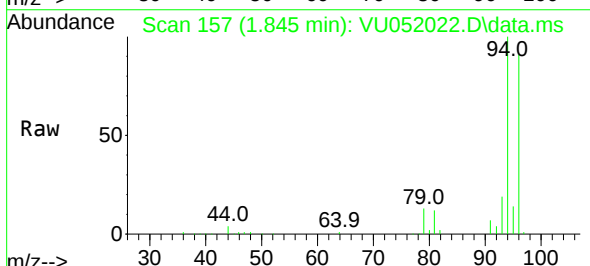
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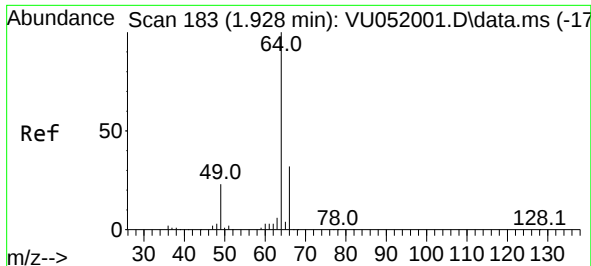
Tgt Ion: 94 Resp: 99854

Ion Ratio Lower Upper

94 100

96 91.4 66.8 124.0

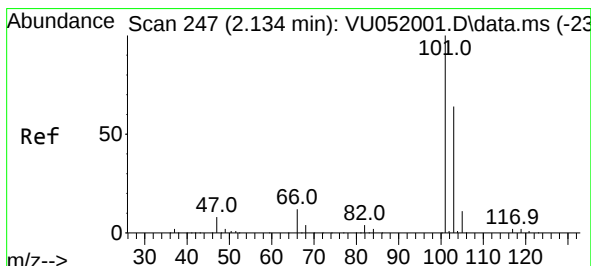
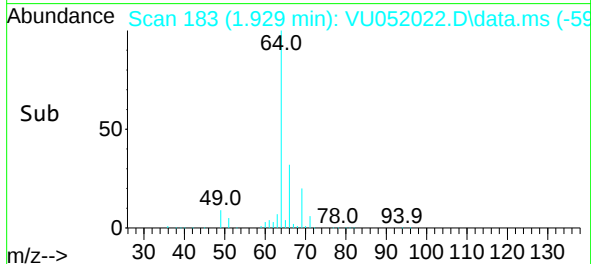
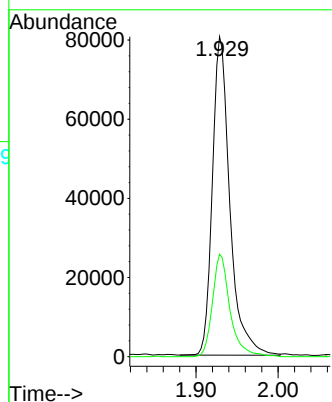
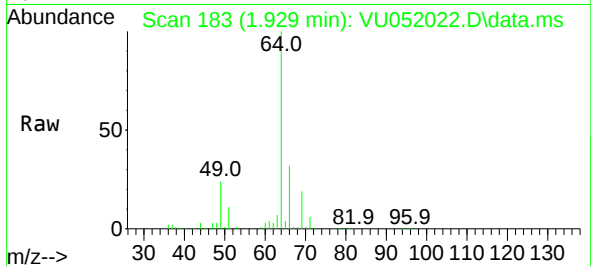




#8
Chloroethane
Concen: 50.810 ug/L
RT: 1.929 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

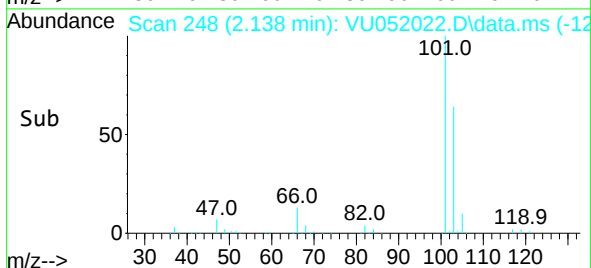
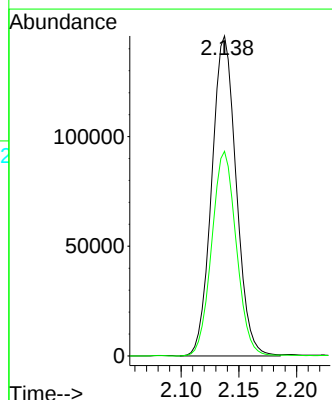
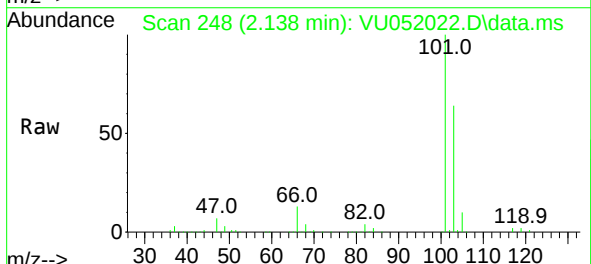
Instrument :
MSVOA_U
ClientSampleId :
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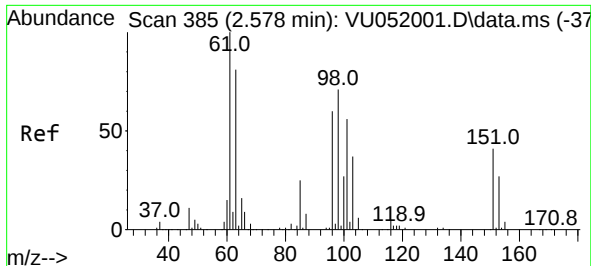
Tgt Ion: 64 Resp: 119034
Ion Ratio Lower Upper
64 100
66 32.0 22.8 42.4



#9
Trichlorofluoromethane
Concen: 50.316 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

Tgt Ion: 101 Resp: 214897
Ion Ratio Lower Upper
101 100
103 64.2 51.5 77.3

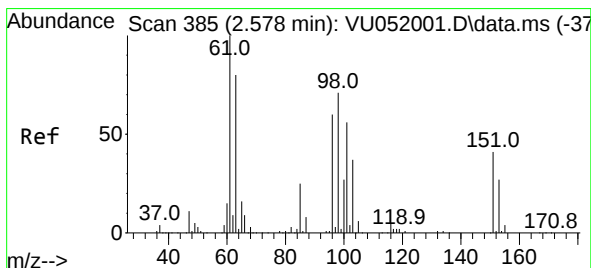
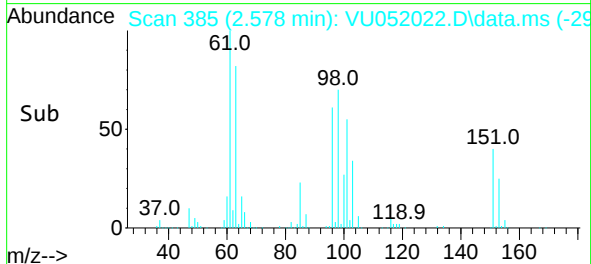
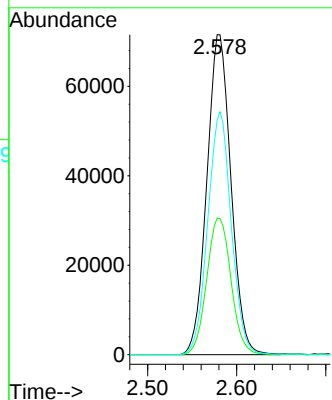
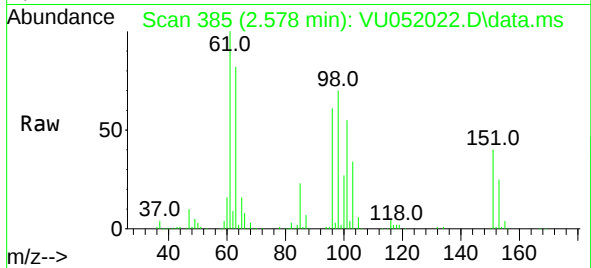




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.090 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU052022.D
 Acq: 22 Nov 2022 02:43

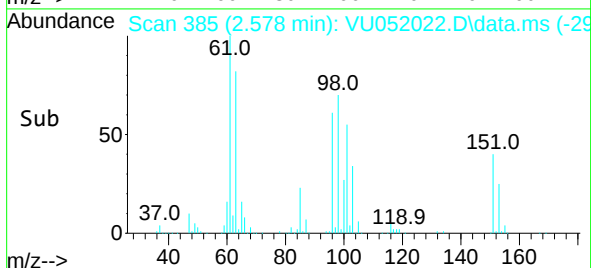
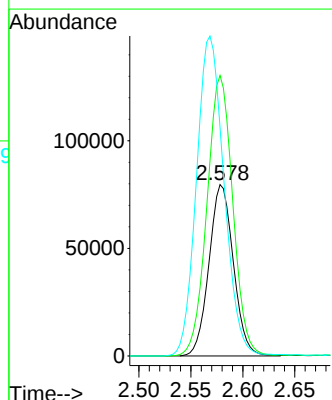
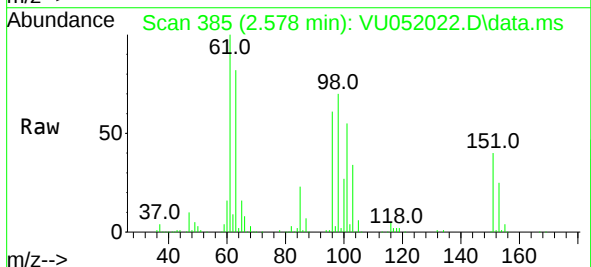
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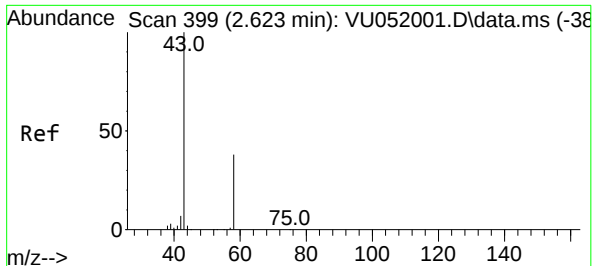
Tgt Ion:101 Resp: 134619
 Ion Ratio Lower Upper
 101 100
 85 42.9 33.6 50.4
 151 74.1 58.9 88.3



#12
 1,1-Dichloroethene
 Concen: 49.652 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU052022.D
 Acq: 22 Nov 2022 02:43

Tgt Ion: 96 Resp: 130037
 Ion Ratio Lower Upper
 96 100
 61 163.6 114.2 212.0
 63 133.4 90.9 168.7





#13

Acetone

Concen: 96.167 ug/L

RT: 2.620 min Scan# 398

Delta R.T. -0.003 min

Lab File: VU052022.D

Acq: 22 Nov 2022 02:43

Instrument :

MSVOA_U

ClientSampleId :

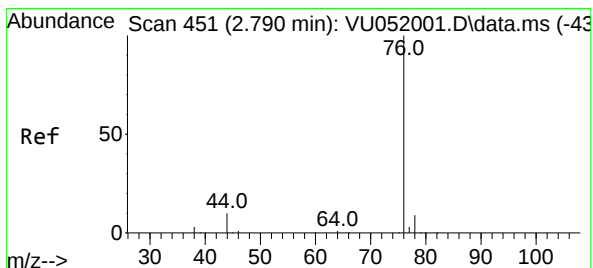
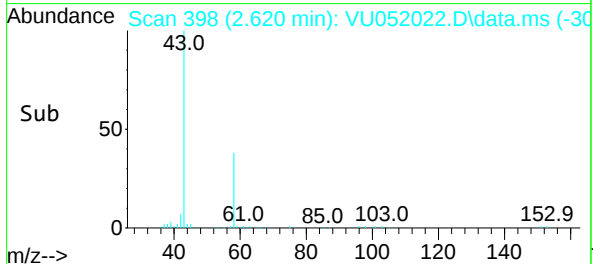
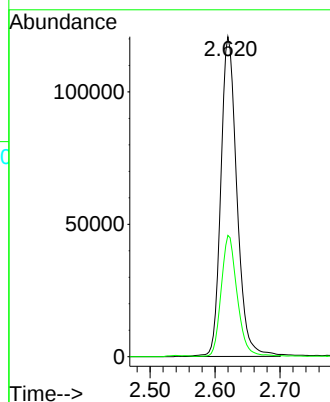
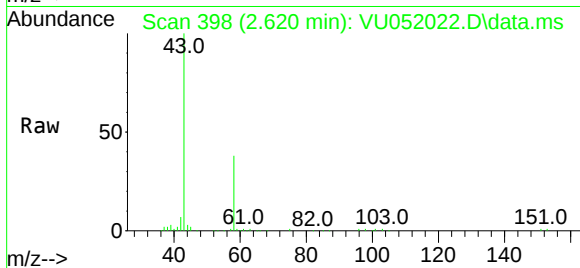
A4345MSD

Tgt Ion: 43 Resp: 206913

Ion Ratio Lower Upper

43 100

58 37.0 0.0 76.6



#14

Carbon disulfide

Concen: 49.609 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU052022.D

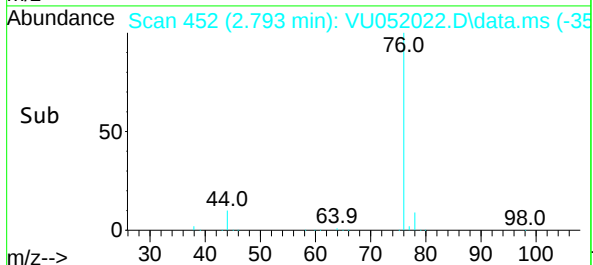
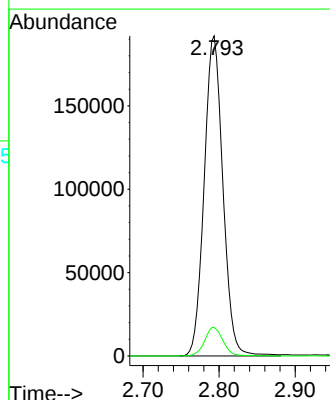
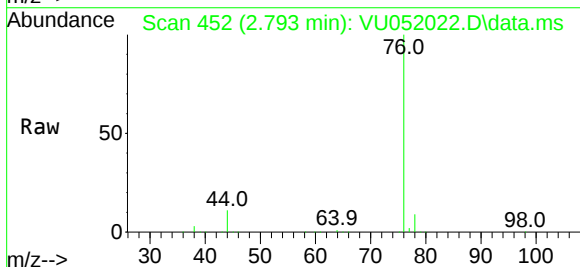
Acq: 22 Nov 2022 02:43

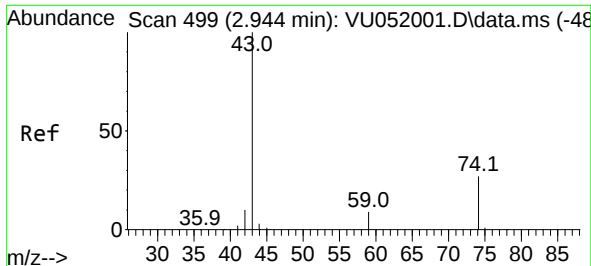
Tgt Ion: 76 Resp: 328535

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

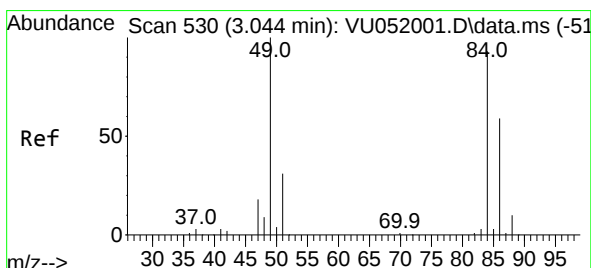
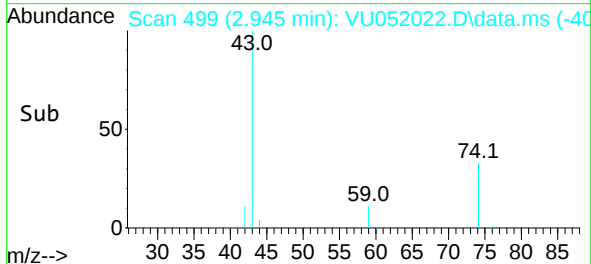
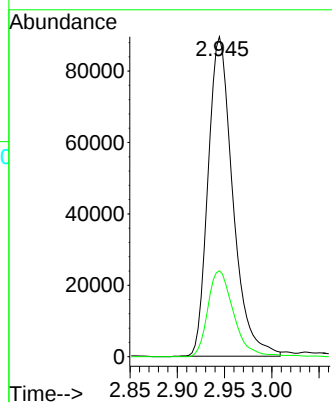
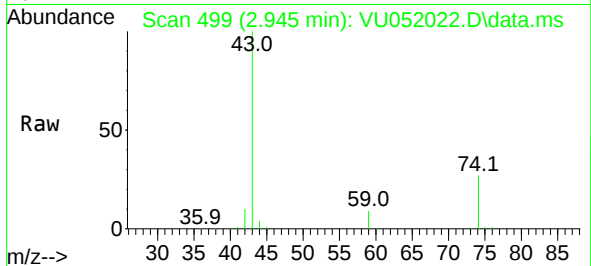




#15
Methyl Acetate
Concen: 47.371 ug/L
RT: 2.945 min Scan# 499
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

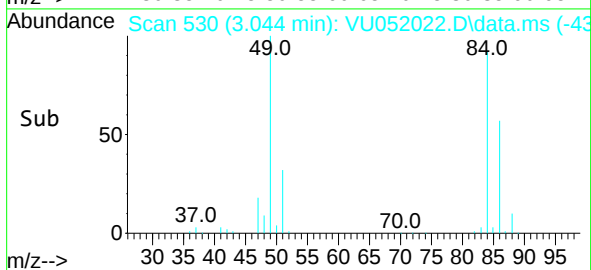
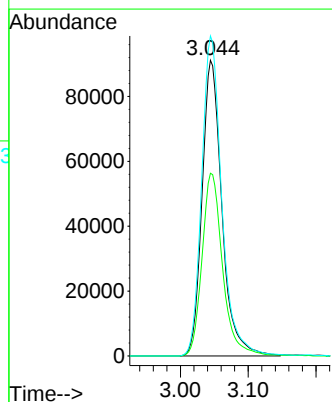
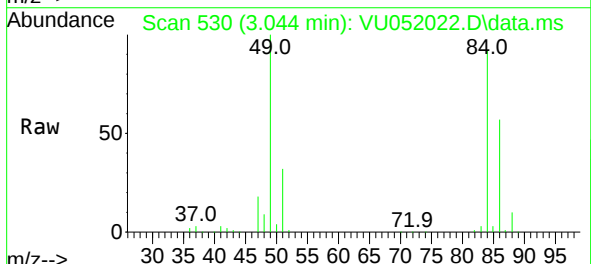
Instrument :
MSVOA_U
ClientSampleId :
A4345MSD

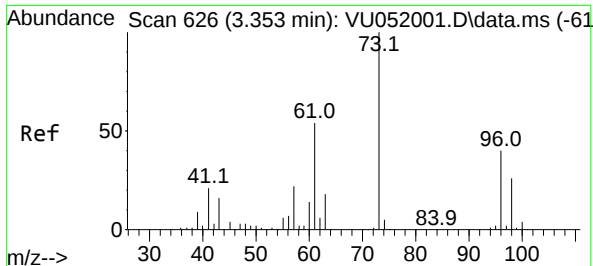
Tgt Ion: 43 Resp: 162721
Ion Ratio Lower Upper
43 100
74 27.7 22.2 33.4



#16
Methylene chloride
Concen: 46.563 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

Tgt Ion: 84 Resp: 185736
Ion Ratio Lower Upper
84 100
86 61.8 45.2 84.0
49 108.2 75.9 141.1

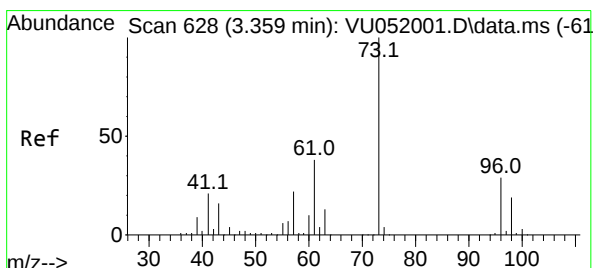
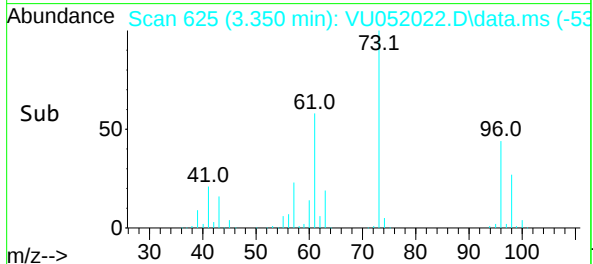
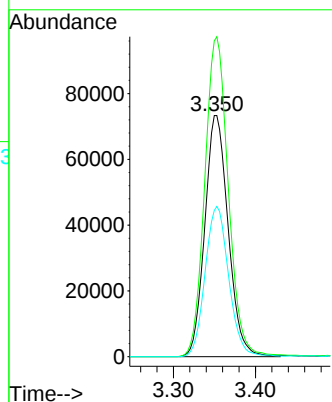
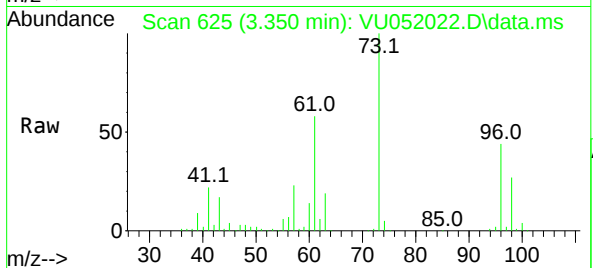




#17
trans-1,2-Dichloroethene
Concen: 52.248 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

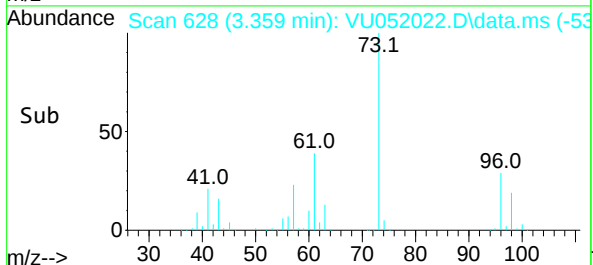
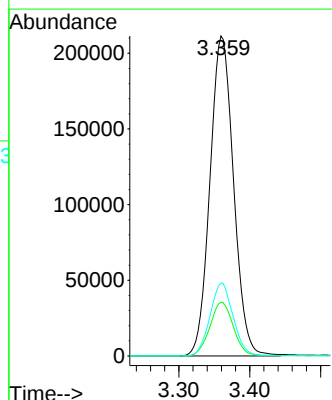
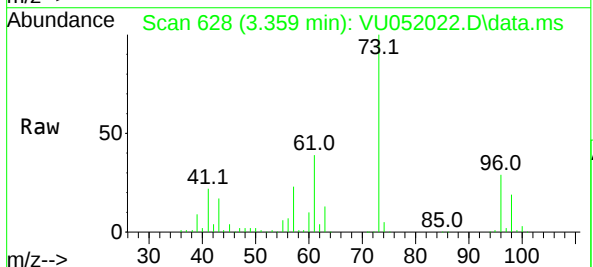
Instrument :
MSVOA_U
ClientSampleId :
A4345MSD

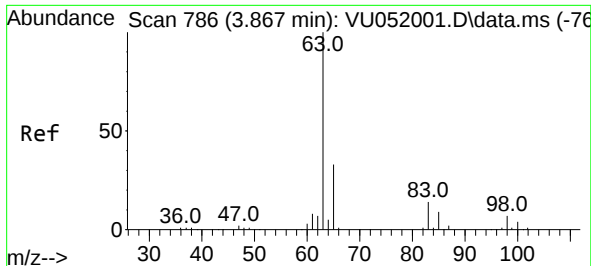
Tgt Ion: 96 Resp: 145593
Ion Ratio Lower Upper
96 100
61 130.9 93.9 174.3
98 60.6 44.2 82.0



#18
Methyl tert-butyl Ether
Concen: 54.018 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

Tgt Ion: 73 Resp: 488928
Ion Ratio Lower Upper
73 100
43 16.4 13.1 19.7
57 22.4 17.8 26.6

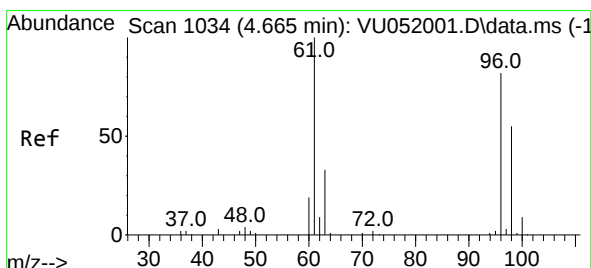
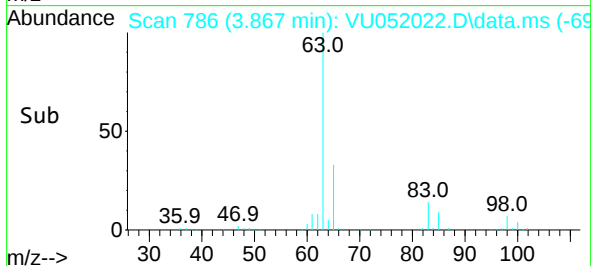
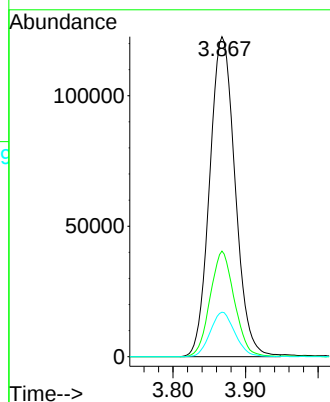
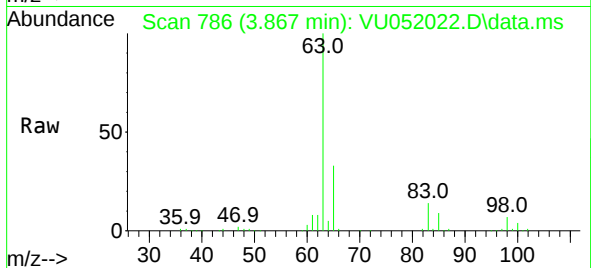




#19
1,1-Dichloroethane
Concen: 52.149 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

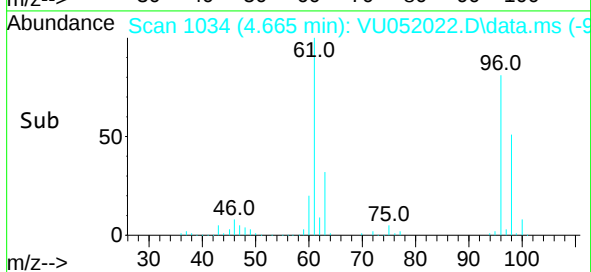
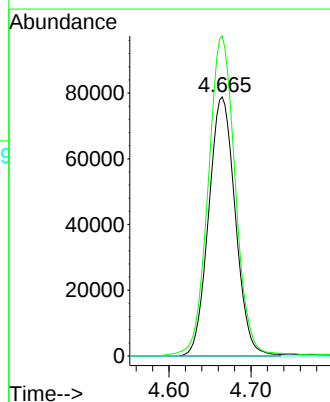
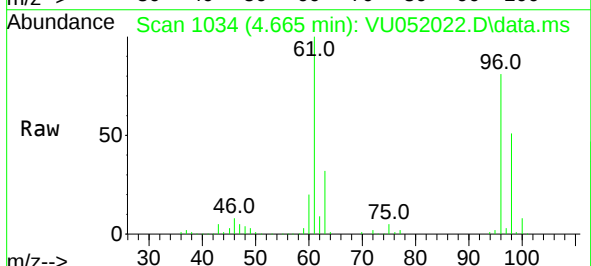
Instrument :
MSVOA_U
ClientSampleId :
A4345MSD

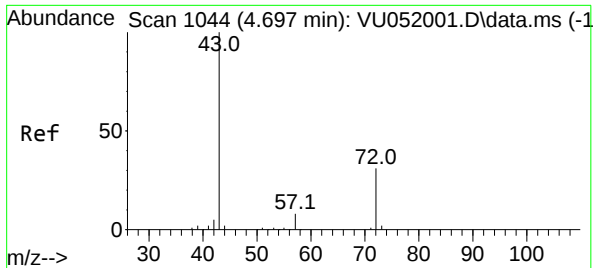
Tgt Ion: 63 Resp: 298960
Ion Ratio Lower Upper
63 100
65 33.0 22.3 41.3
83 13.9 9.8 18.2



#20
cis-1,2-Dichloroethene
Concen: 53.063 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

Tgt Ion: 96 Resp: 177524
Ion Ratio Lower Upper
96 100
61 123.5 84.5 156.9
68 0.0 0.0 0.0

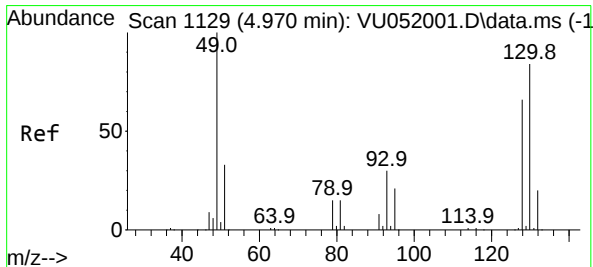
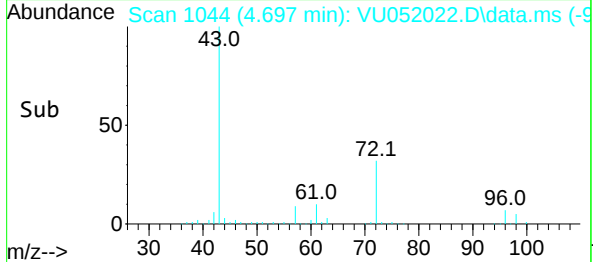
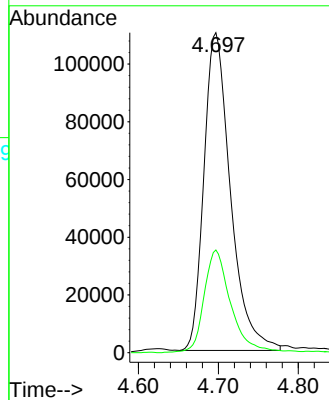
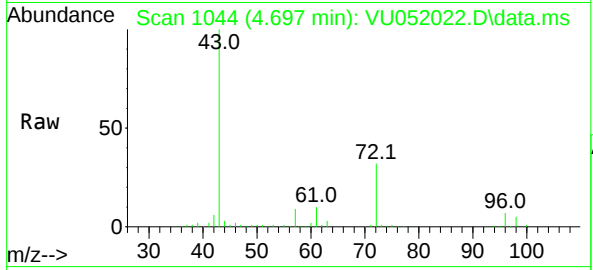




#22
2-Butanone
Concen: 94.988 ug/L
RT: 4.697 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

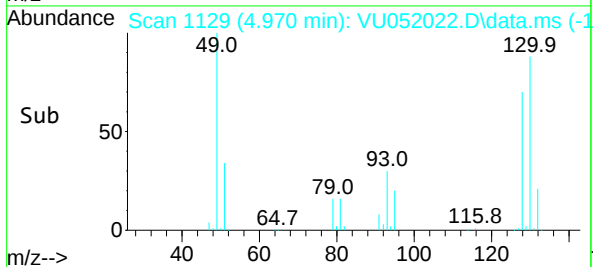
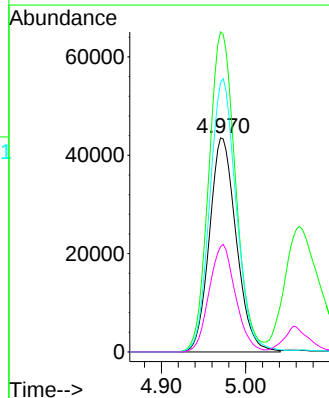
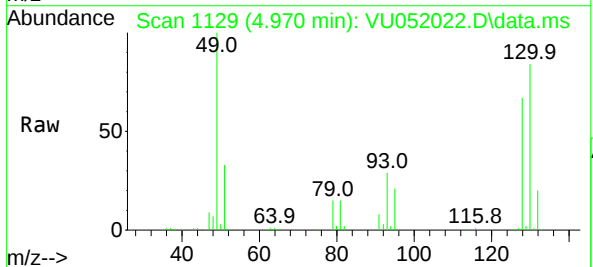
Instrument :
MSVOA_U
ClientSampleId :
A4345MSD

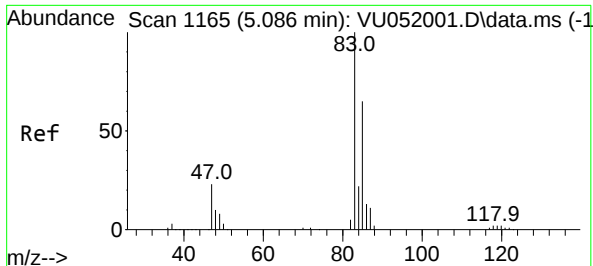
Tgt Ion: 43 Resp: 254823
Ion Ratio Lower Upper
43 100
72 32.4 15.9 47.7



#23
Bromochloromethane
Concen: 53.363 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

Tgt Ion:128 Resp: 96099
Ion Ratio Lower Upper
128 100
49 149.5 106.3 197.3
130 125.8 87.4 162.2
51 49.3 38.6 57.8





#25

Chloroform

Concen: 52.506 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU052022.D

Acq: 22 Nov 2022 02:43

Instrument :

MSVOA_U

ClientSampleId :

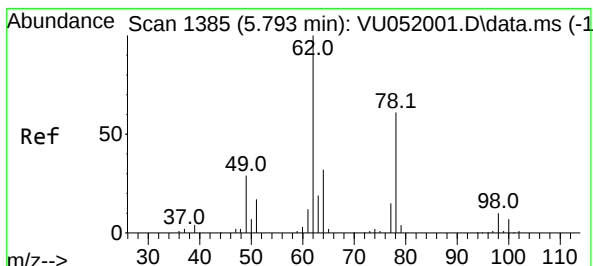
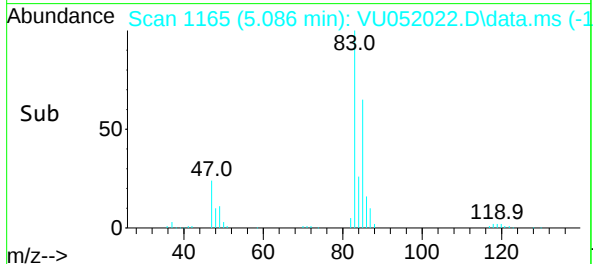
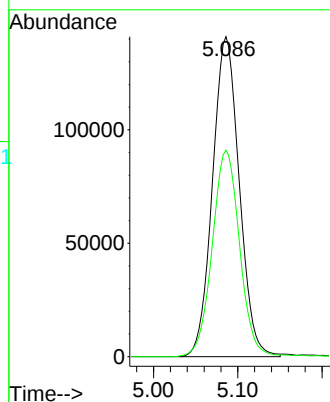
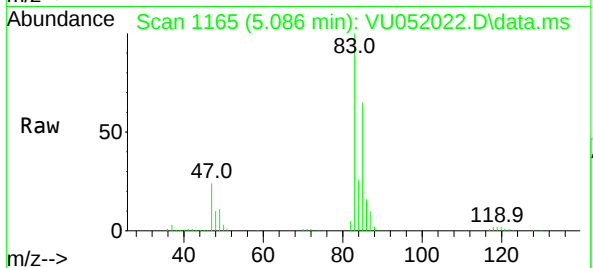
A4345MSD

Tgt Ion: 83 Resp: 310595

Ion Ratio Lower Upper

83 100

85 64.5 46.3 85.9



#27

1,2-Dichloroethane

Concen: 52.114 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU052022.D

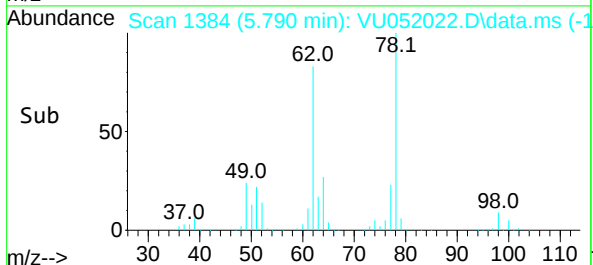
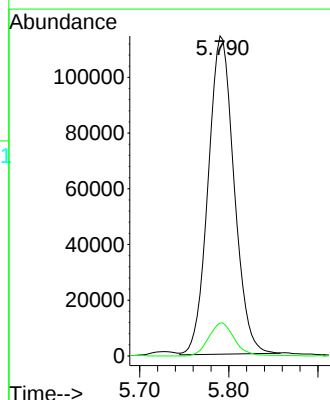
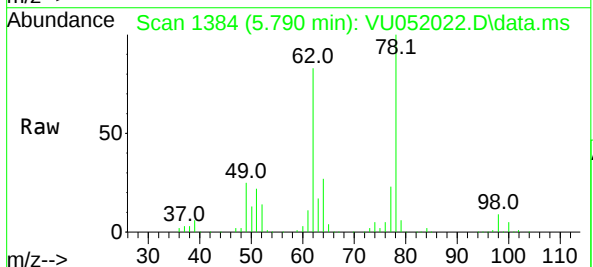
Acq: 22 Nov 2022 02:43

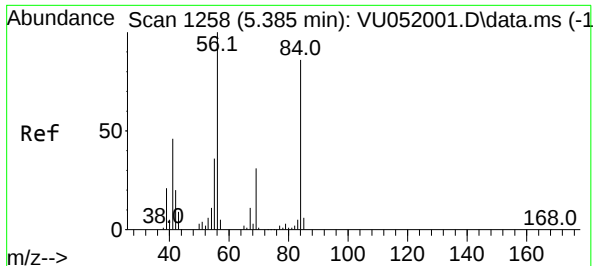
Tgt Ion: 62 Resp: 231269

Ion Ratio Lower Upper

62 100

98 10.3 7.9 11.9





#29

Cyclohexane

Concen: 52.971 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.003 min

Lab File: VU052022.D

Acq: 22 Nov 2022 02:43

Instrument :

MSVOA_U

ClientSampleId :

A4345MSD

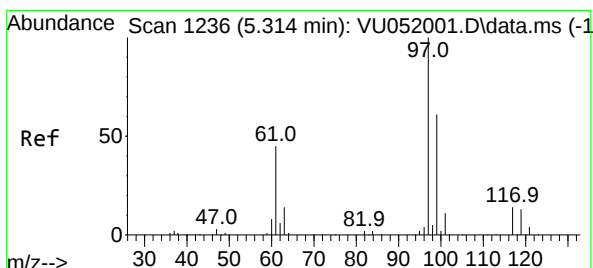
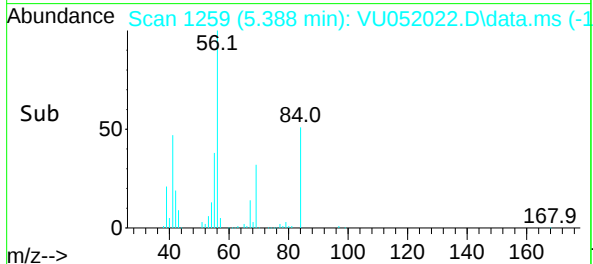
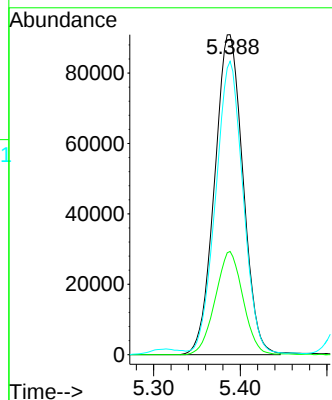
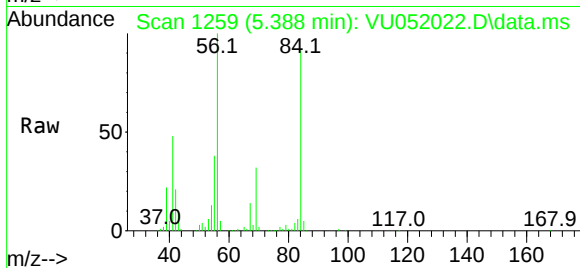
Tgt Ion: 56 Resp: 207106

Ion Ratio Lower Upper

56 100

69 31.5 25.7 38.5

84 88.1 70.2 105.2



#30

1,1,1-Trichloroethane

Concen: 51.024 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU052022.D

Acq: 22 Nov 2022 02:43

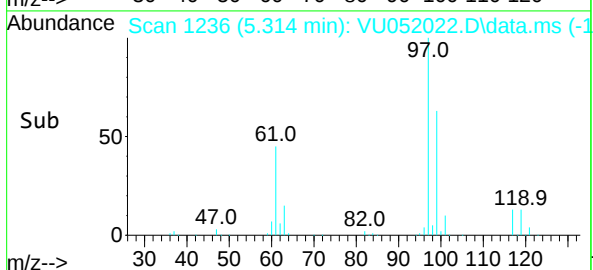
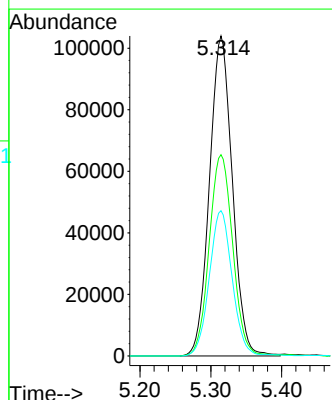
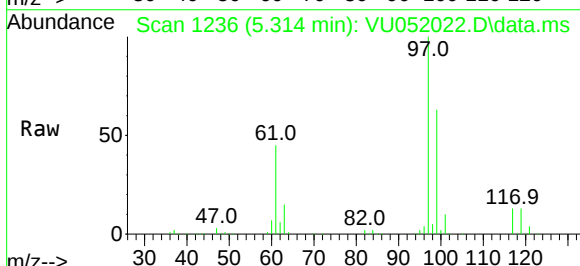
Tgt Ion: 97 Resp: 233293

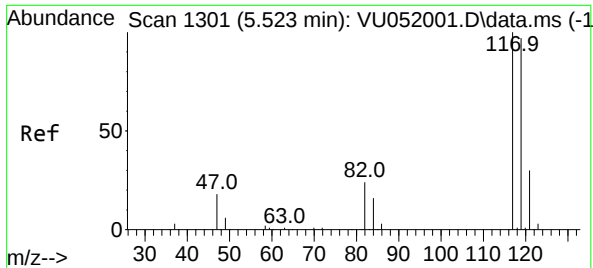
Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.0

61 45.2 37.2 55.8

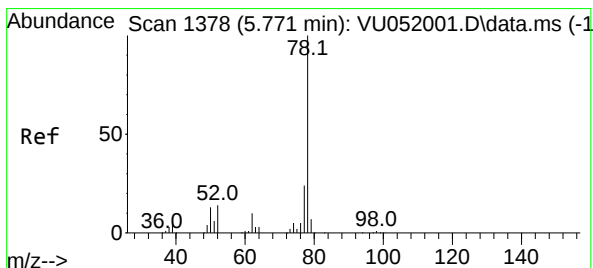
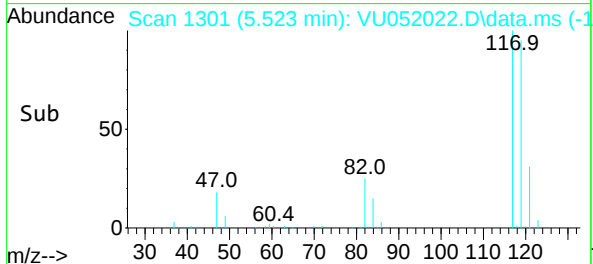
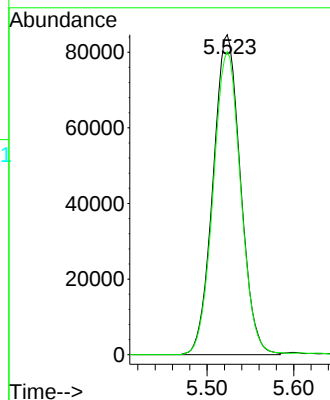
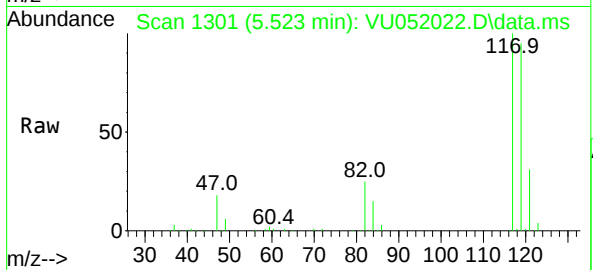




#31
Carbon tetrachloride
Concen: 50.294 ug/L
RT: 5.523 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

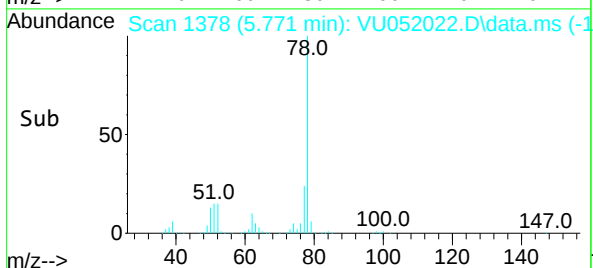
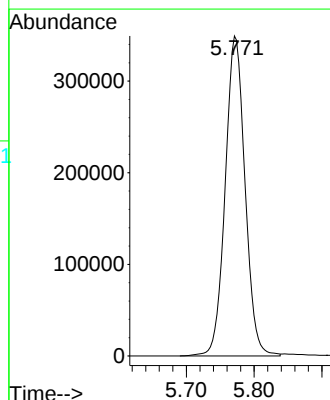
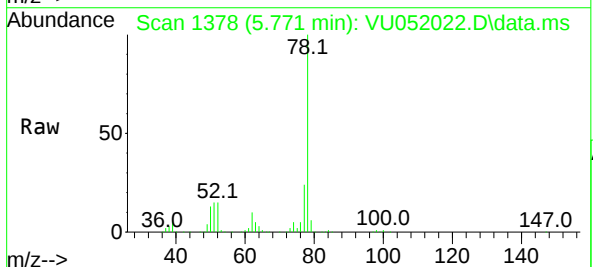
Instrument :
MSVOA_U
ClientSampleId :
A4345MSD

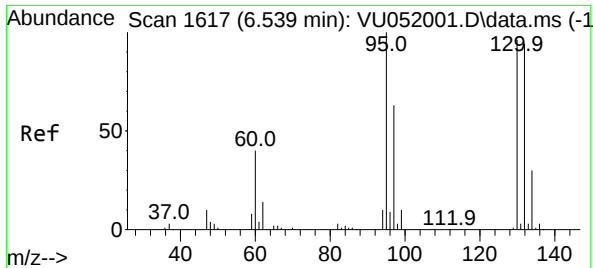
Tgt Ion:117 Resp: 186175
Ion Ratio Lower Upper
117 100
119 95.3 77.4 116.2



#33
Benzene
Concen: 53.705 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

Tgt Ion: 78 Resp: 709362

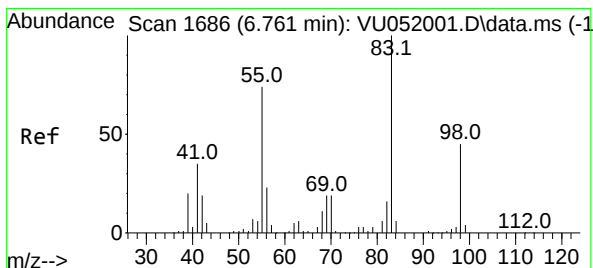
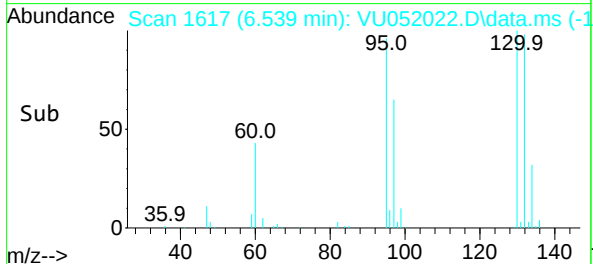
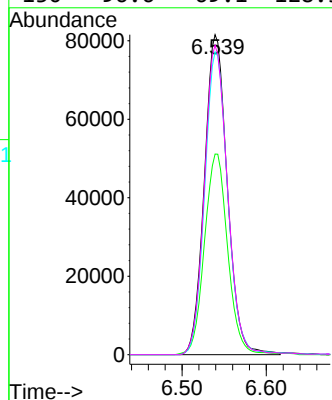
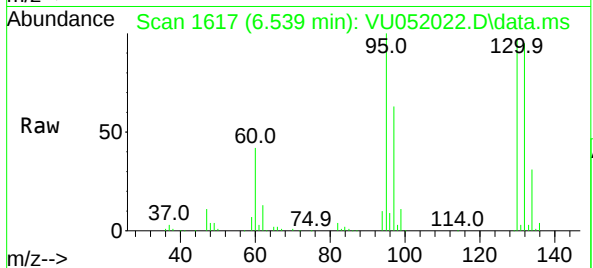




#34
Trichloroethene
Concen: 50.149 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

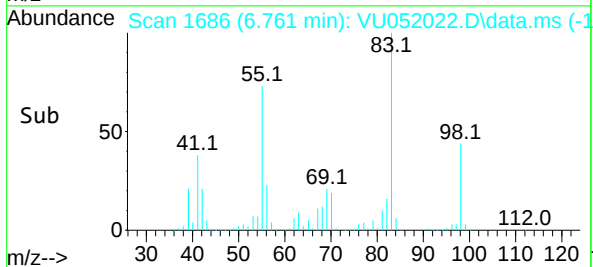
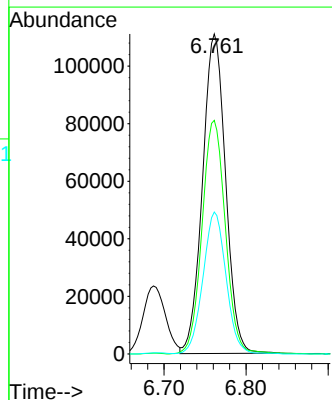
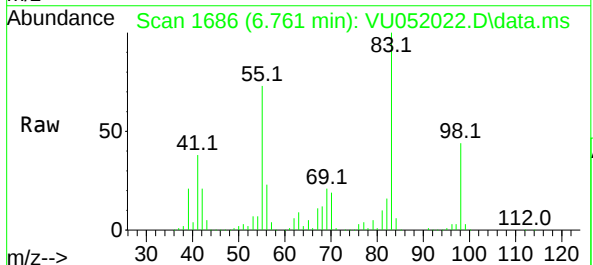
Instrument :
MSVOA_U
ClientSampleId :
A4345MSD

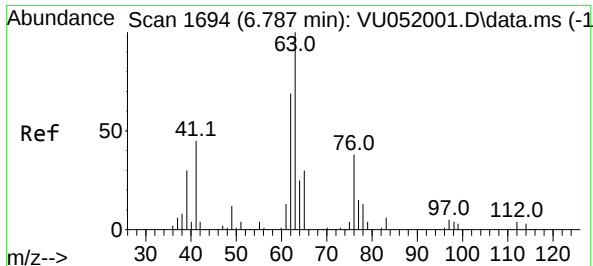
Tgt Ion: 95 Resp: 154552
Ion Ratio Lower Upper
95 100
97 62.7 45.3 84.1
132 94.7 66.8 124.2
130 96.6 69.1 128.3



#35
Methylcyclohexane
Concen: 51.469 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

Tgt Ion: 83 Resp: 217393
Ion Ratio Lower Upper
83 100
55 74.0 59.0 88.6
98 44.0 36.0 54.0

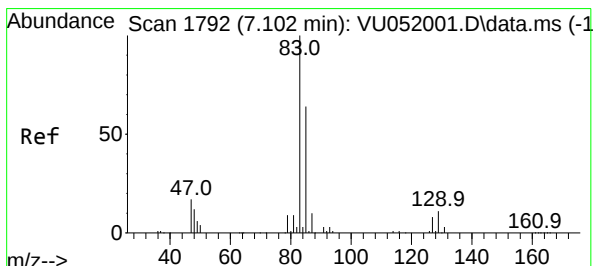
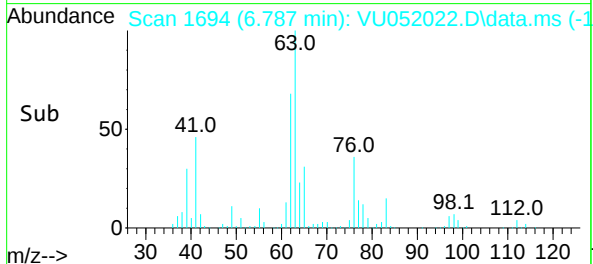
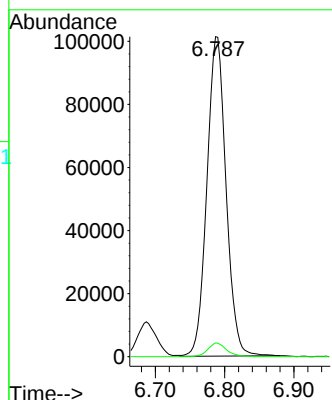
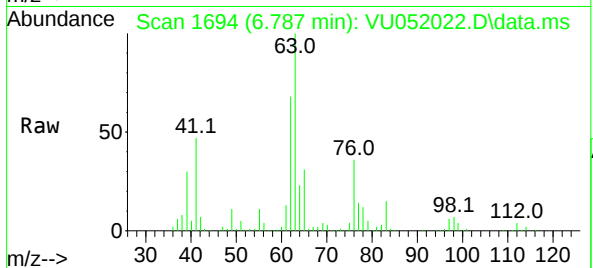




#37
1,2-Dichloropropane
Concen: 52.546 ug/L
RT: 6.787 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

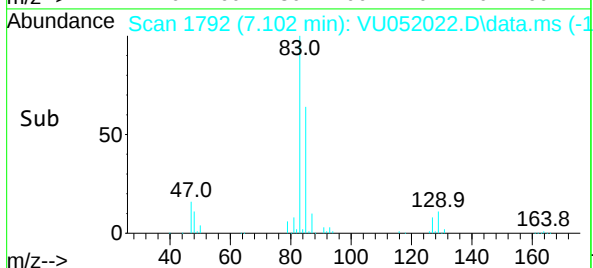
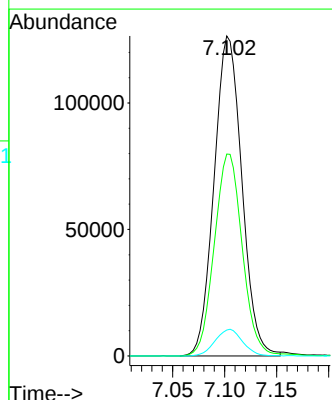
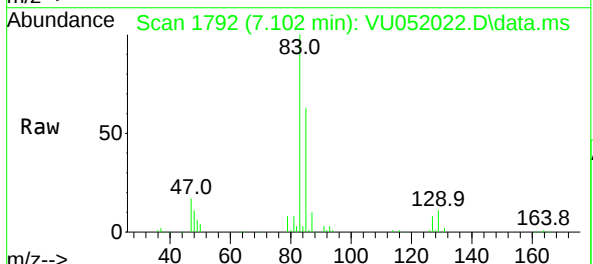
Instrument :
MSVOA_U
ClientSampleId :
A4345MSD

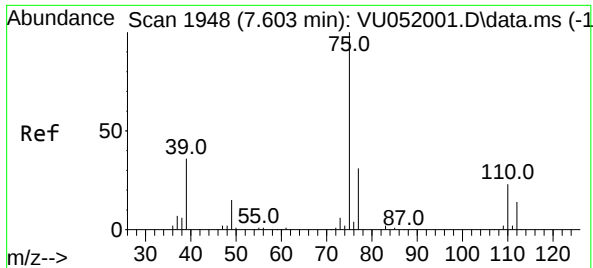
Tgt Ion: 63 Resp: 193894
Ion Ratio Lower Upper
63 100
112 4.2 3.0 4.6



#38
Bromodichloromethane
Concen: 51.670 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

Tgt Ion: 83 Resp: 235401
Ion Ratio Lower Upper
83 100
85 63.1 45.9 85.3
127 8.1 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 50.838 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU052022.D

Acq: 22 Nov 2022 02:43

Instrument :

MSVOA_U

ClientSampleId :

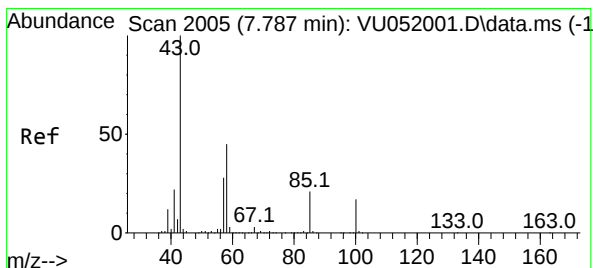
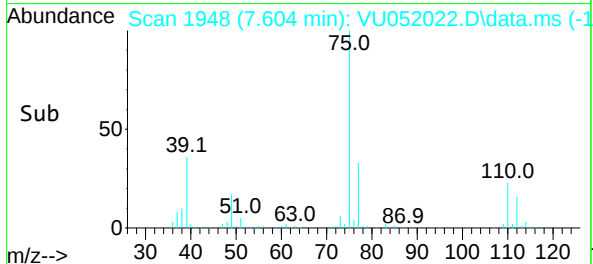
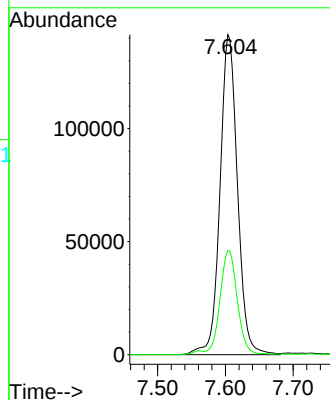
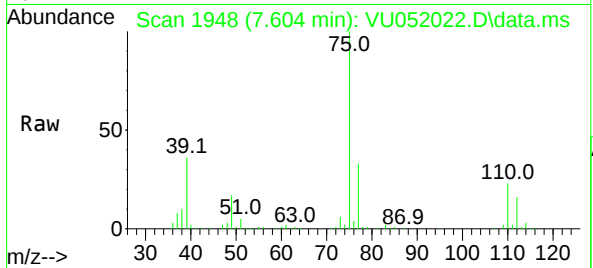
A4345MSD

Tgt Ion: 75 Resp: 253667

Ion Ratio Lower Upper

75 100

77 32.6 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 109.043 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU052022.D

Acq: 22 Nov 2022 02:43

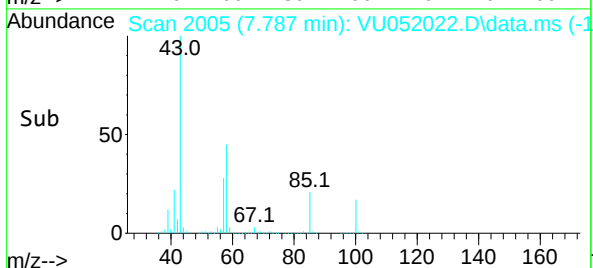
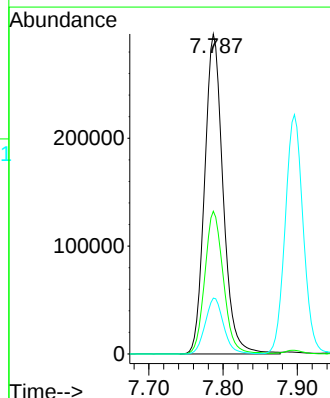
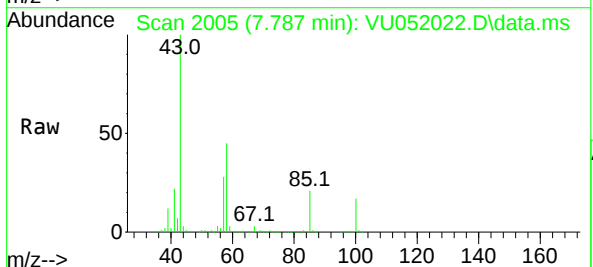
Tgt Ion: 43 Resp: 511761

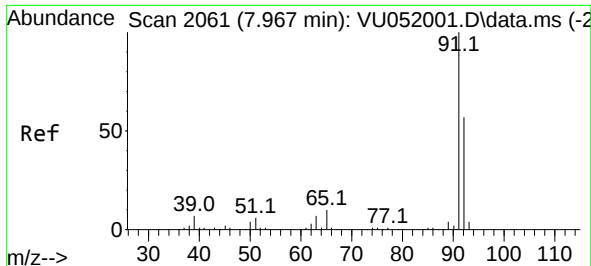
Ion Ratio Lower Upper

43 100

58 44.7 35.8 53.6

100 17.4 13.5 20.3





#42

Toluene

Concen: 53.520 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052022.D

Acq: 22 Nov 2022 02:43

Instrument :

MSVOA_U

ClientSampleId :

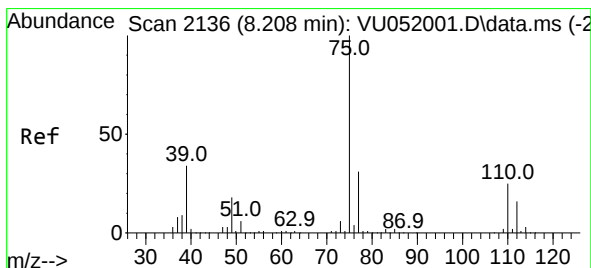
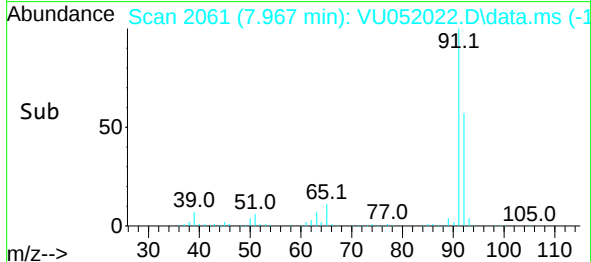
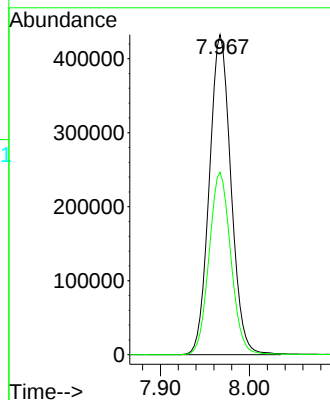
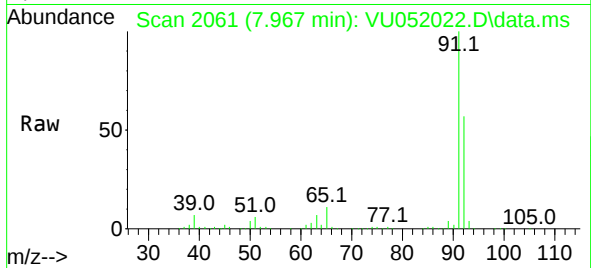
A4345MSD

Tgt Ion: 91 Resp: 730486

Ion Ratio Lower Upper

91 100

92 57.0 39.2 72.8



#44

trans-1,3-Dichloropropene

Concen: 51.802 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU052022.D

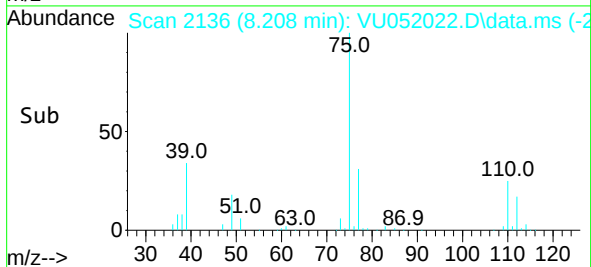
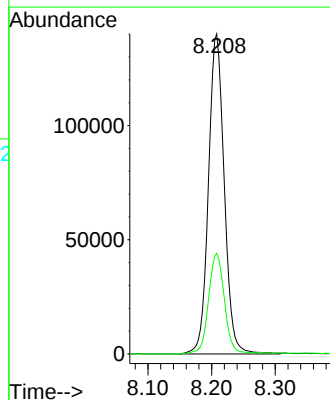
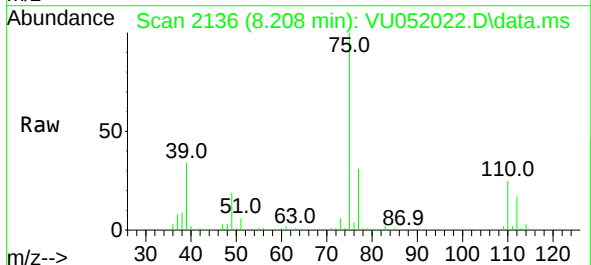
Acq: 22 Nov 2022 02:43

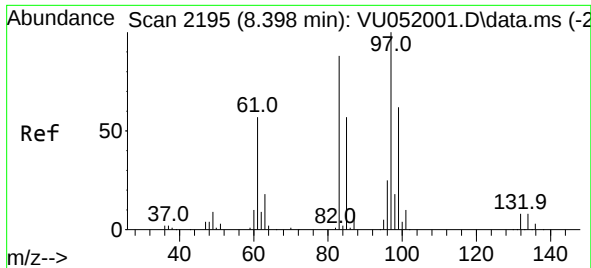
Tgt Ion: 75 Resp: 241766

Ion Ratio Lower Upper

75 100

77 31.5 22.7 42.1



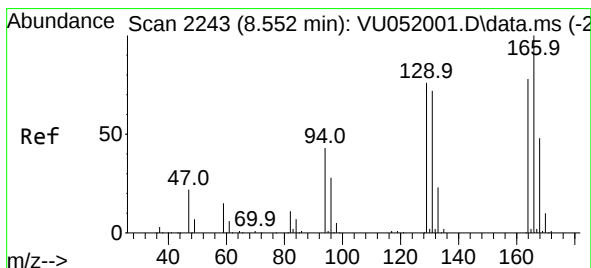
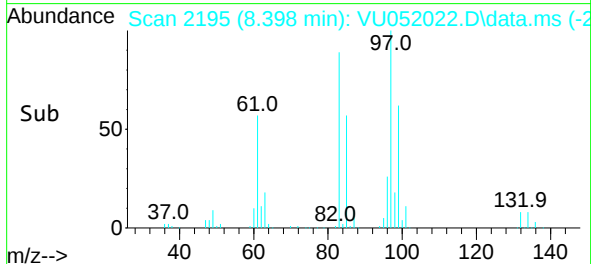
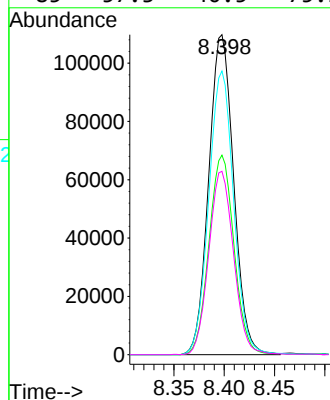
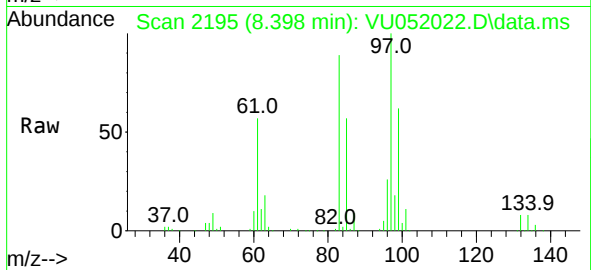


#45
1,1,2-Trichloroethane
Concen: 52.169 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

Instrument :
MSVOA_U
ClientSampleId :
A4345MSD

Tgt Ion: 97 Resp: 189766

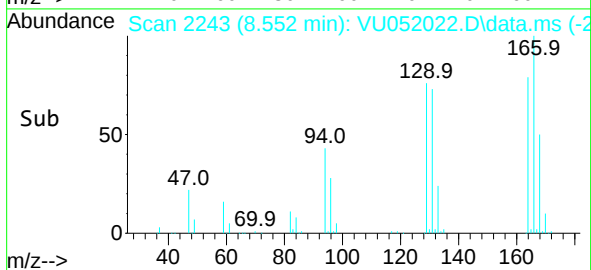
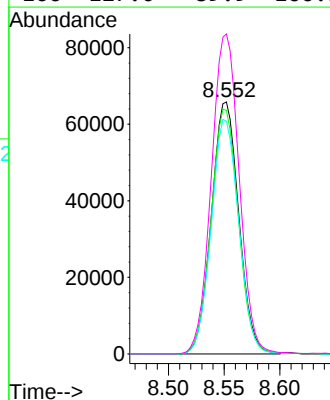
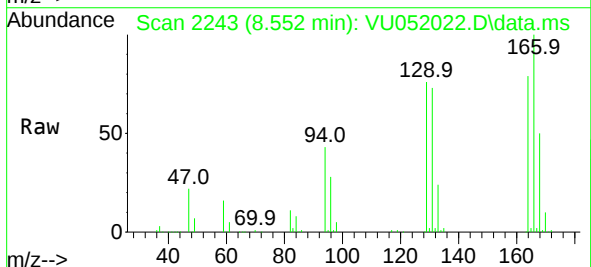
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.4	82.4
83	88.6	63.2	117.4
85	57.3	40.5	75.3

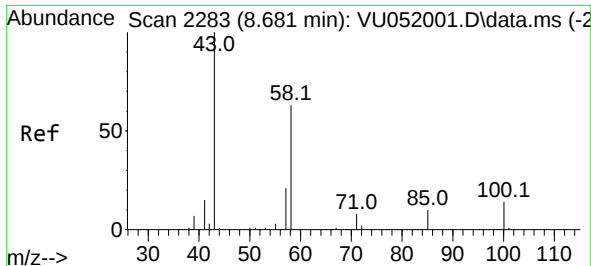


#46
Tetrachloroethene
Concen: 48.503 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

Tgt Ion: 164 Resp: 112769

Ion	Ratio	Lower	Upper
164	100		
129	96.6	67.3	124.9
131	92.4	65.2	121.2
166	127.0	89.9	166.9



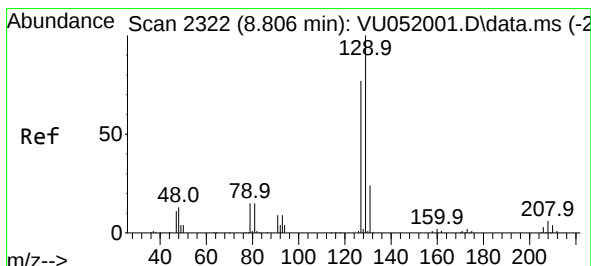
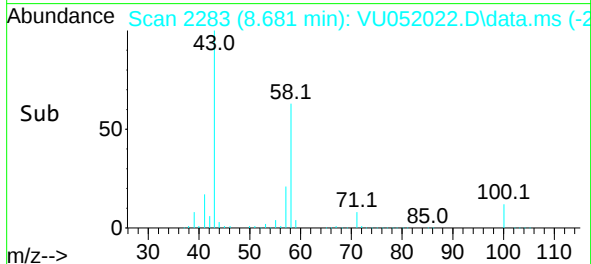
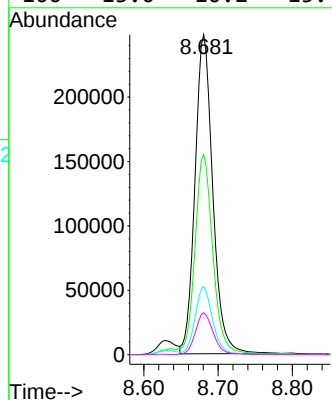
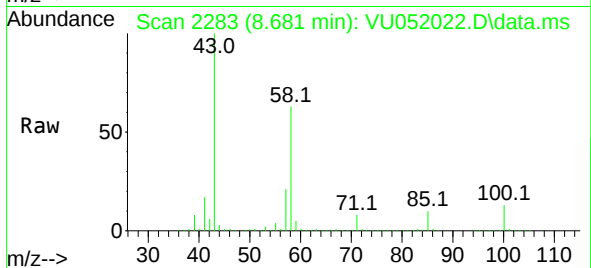


#48
2-Hexanone
Concen: 106.203 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

Instrument :
MSVOA_U
ClientSampleId :
A4345MSD

Tgt Ion: 43 Resp: 412466

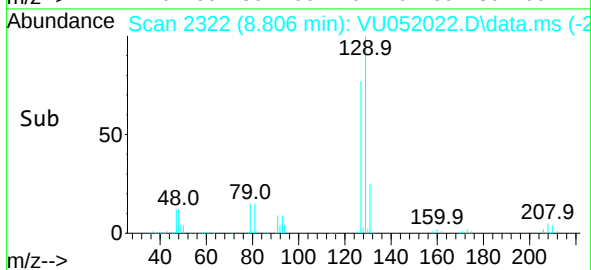
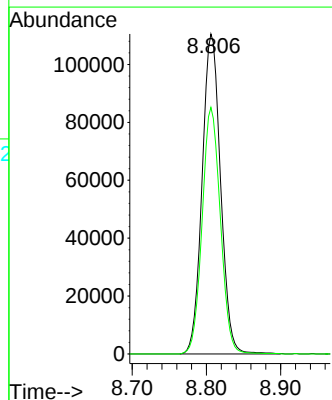
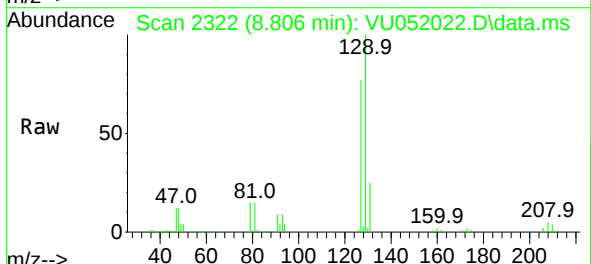
Ion	Ratio	Lower	Upper
43	100		
58	62.8	49.6	74.4
57	20.8	16.8	25.2
100	13.0	10.2	15.4

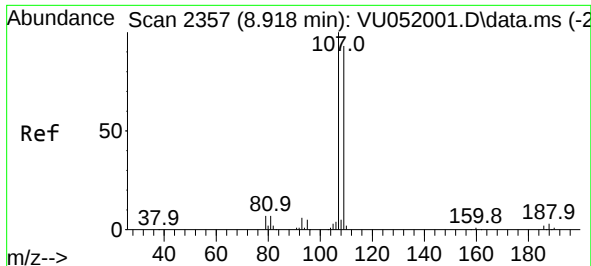


#49
Dibromochloromethane
Concen: 51.509 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

Tgt Ion: 129 Resp: 190419

Ion	Ratio	Lower	Upper
129	100		
127	77.1	54.5	101.1

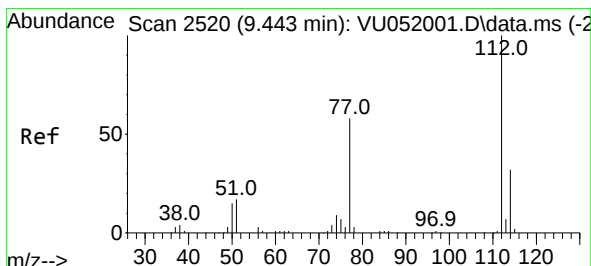
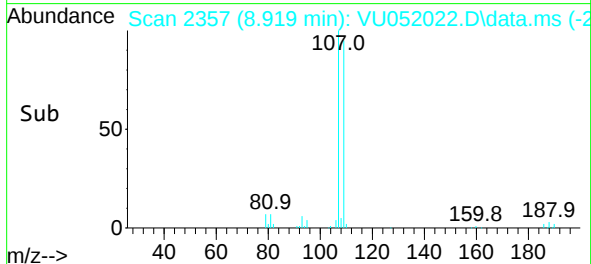
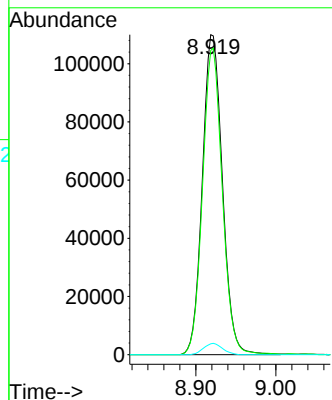
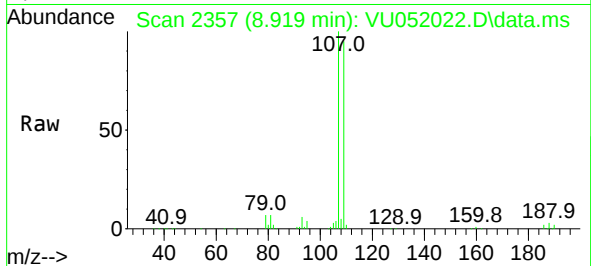




#50
1,2-Dibromoethane
Concen: 52.549 ug/L
RT: 8.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

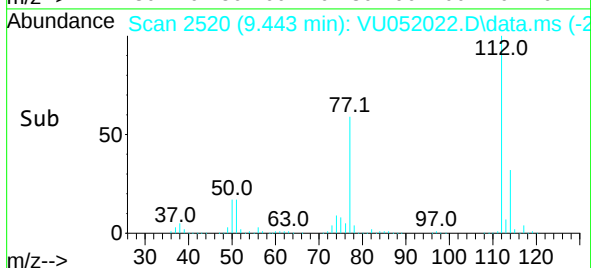
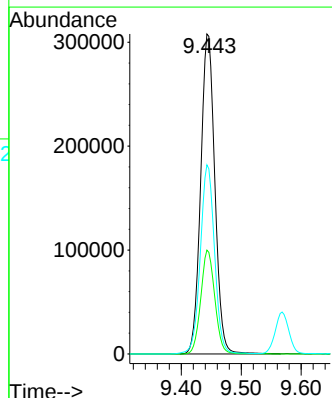
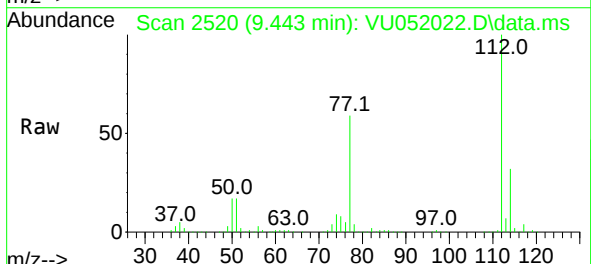
Instrument :
MSVOA_U
ClientSampleId :
A4345MSD

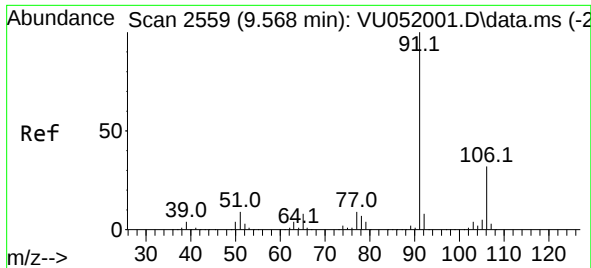
Tgt Ion:107 Resp: 191984
Ion Ratio Lower Upper
107 100
109 95.1 66.6 123.8
188 3.4 2.9 4.3



#51
Chlorobenzene
Concen: 56.591 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

Tgt Ion:112 Resp: 508194
Ion Ratio Lower Upper
112 100
114 32.5 22.2 41.2
77 59.1 46.5 69.7

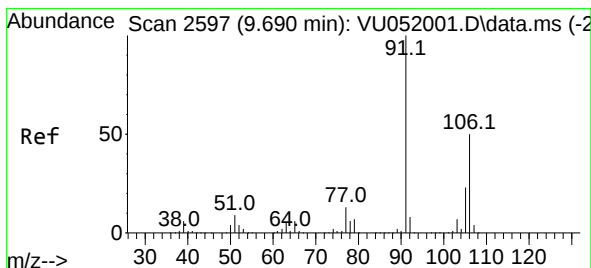
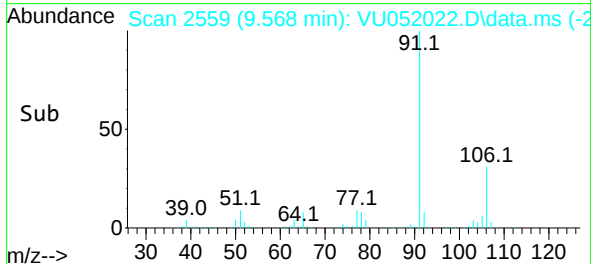
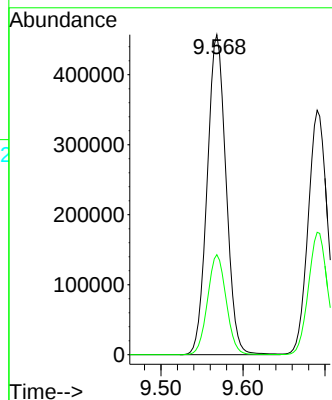
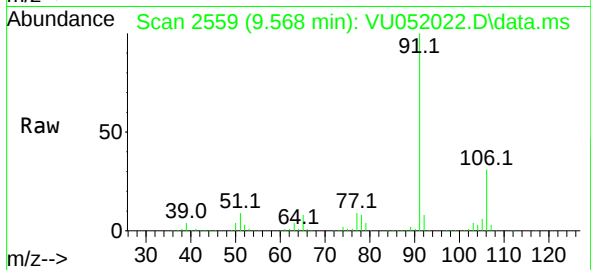




#52
Ethylbenzene
Concen: 52.540 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

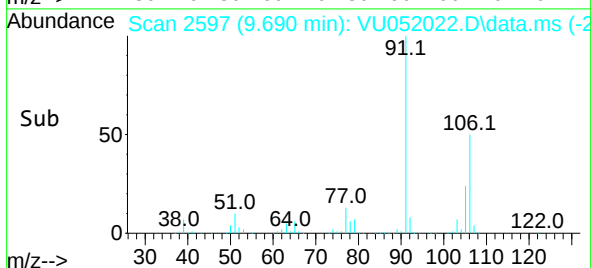
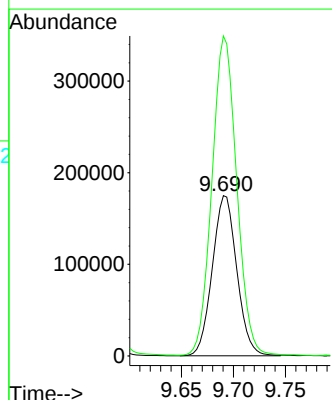
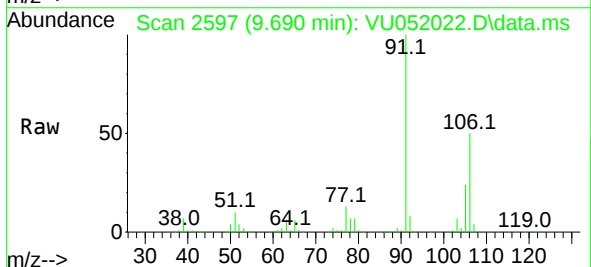
Instrument :
MSVOA_U
ClientSampleId :
A4345MSD

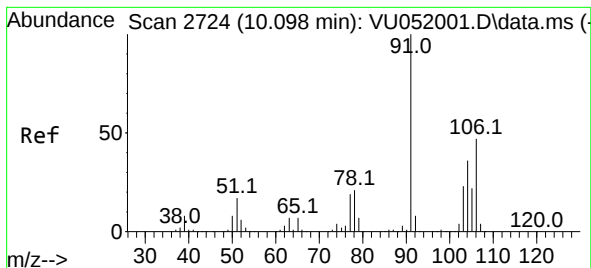
Tgt Ion: 91 Resp: 730158
Ion Ratio Lower Upper
91 100
106 31.2 21.2 39.4



#53
m,p-Xylene
Concen: 53.253 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

Tgt Ion: 106 Resp: 285940
Ion Ratio Lower Upper
106 100
91 199.6 140.3 260.6





#54

o-Xylene

Concen: 54.145 ug/L

RT: 10.099 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU052022.D

Acq: 22 Nov 2022 02:43

Instrument :

MSVOA_U

ClientSampleId :

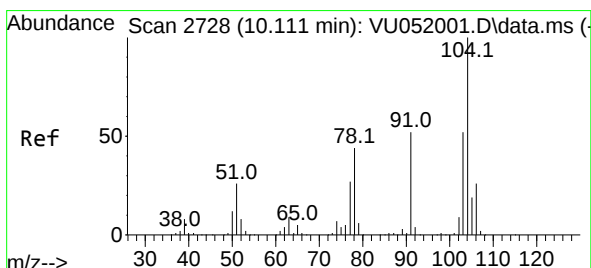
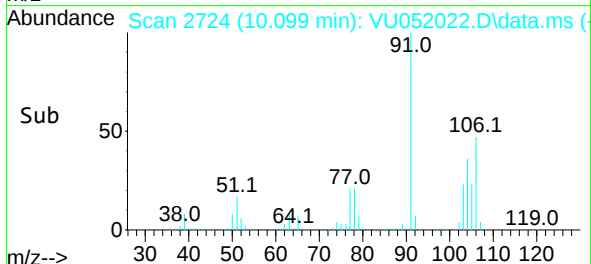
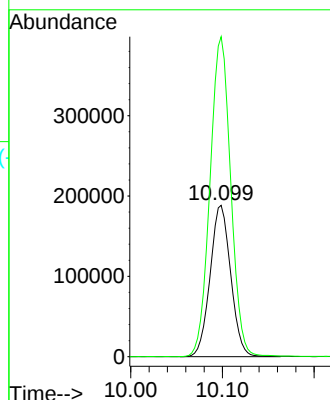
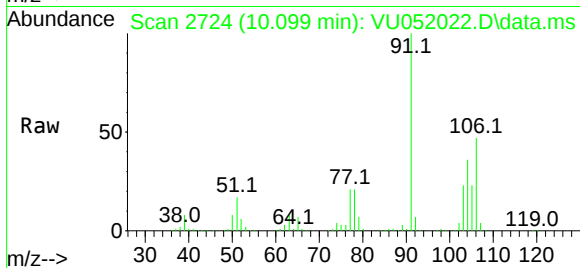
A4345MSD

Tgt Ion:106 Resp: 294158

Ion Ratio Lower Upper

106 100

91 211.4 146.7 272.4



#55

Styrene

Concen: 54.652 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU052022.D

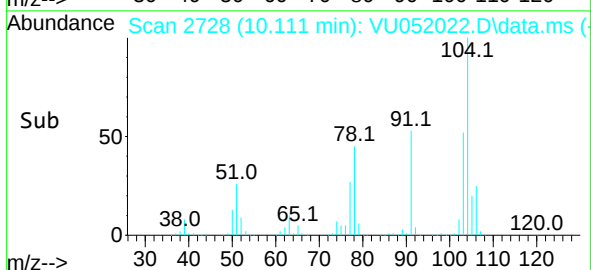
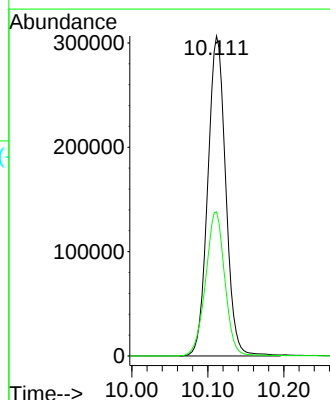
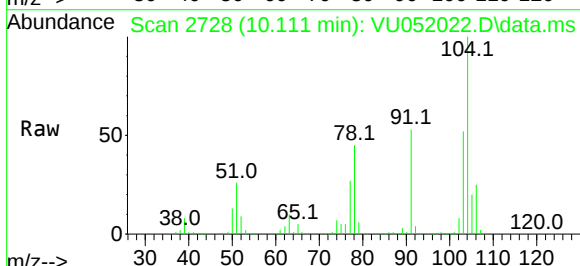
Acq: 22 Nov 2022 02:43

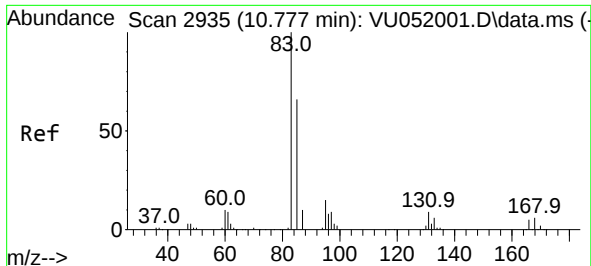
Tgt Ion:104 Resp: 503020

Ion Ratio Lower Upper

104 100

78 45.0 31.2 58.0

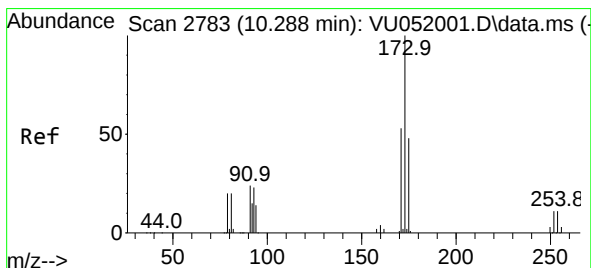
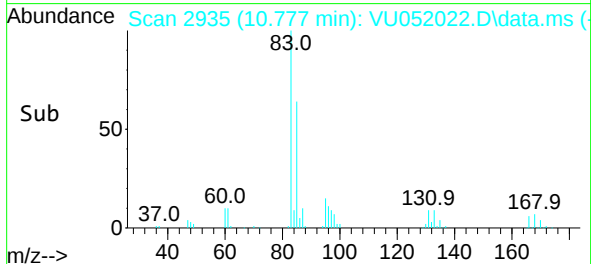
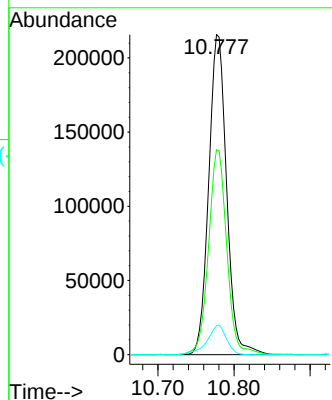
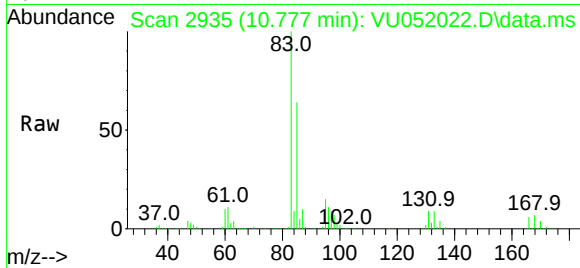




#57
1,1,2,2-Tetrachloroethane
Concen: 53.249 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

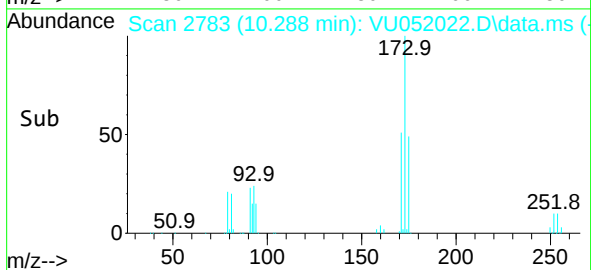
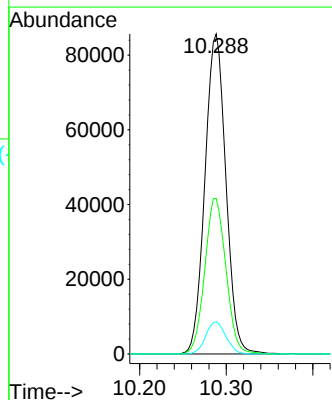
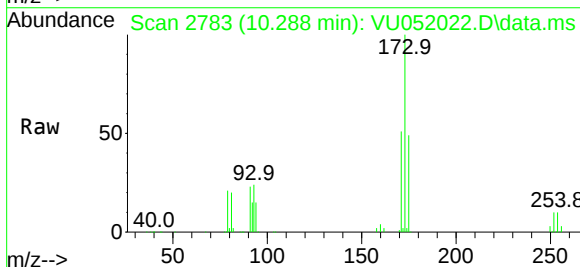
Instrument :
MSVOA_U
ClientSampleId :
A4345MSD

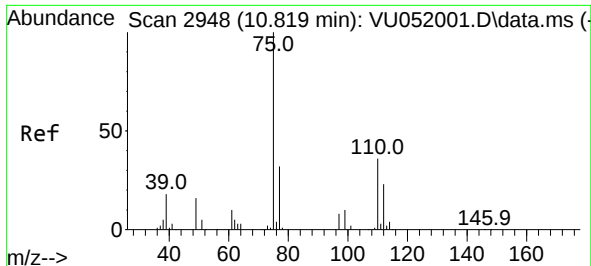
Tgt Ion: 83 Resp: 352473
Ion Ratio Lower Upper
83 100
85 64.0 45.4 84.2
131 9.1 7.3 10.9



#59
Bromoform
Concen: 50.423 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

Tgt Ion: 173 Resp: 143933
Ion Ratio Lower Upper
173 100
175 49.1 39.8 59.6
254 9.6 7.5 11.3

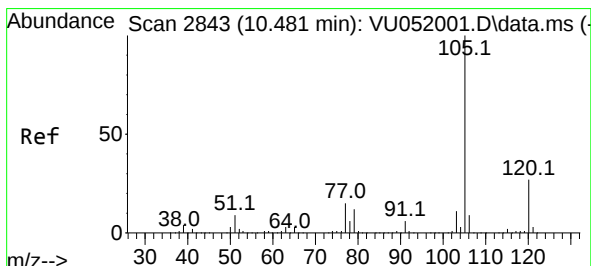
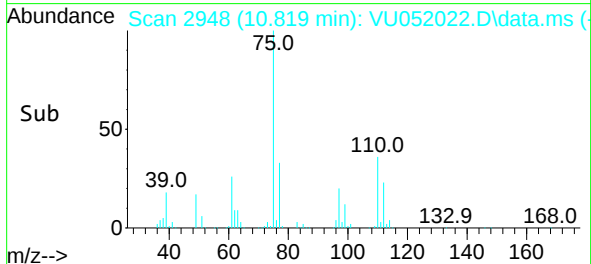
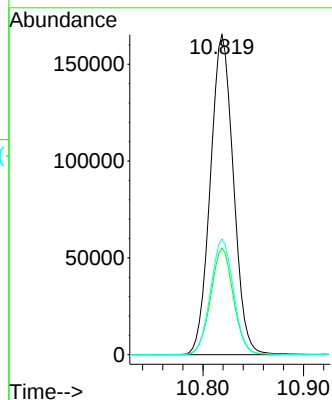
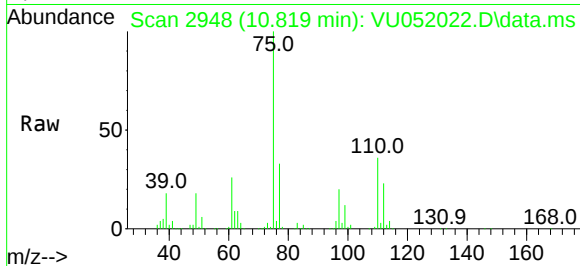




#60
1,2,3-Trichloropropane
Concen: 51.450 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

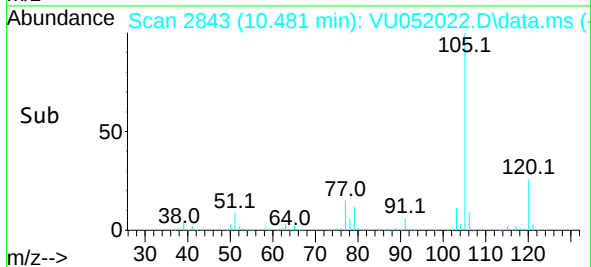
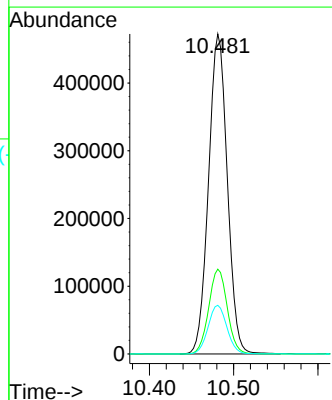
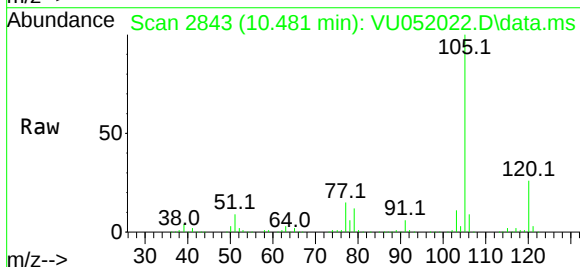
Instrument :
MSVOA_U
ClientSampleId :
A4345MSD

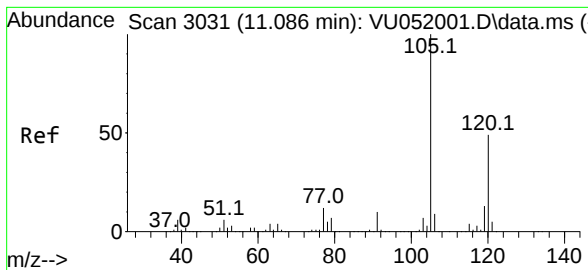
Tgt Ion: 75 Resp: 263318
Ion Ratio Lower Upper
75 100
77 33.0 26.0 39.0
110 36.0 29.0 43.4



#61
Isopropylbenzene
Concen: 54.370 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

Tgt Ion: 105 Resp: 731210
Ion Ratio Lower Upper
105 100
120 26.3 21.1 31.7
77 15.4 12.4 18.6

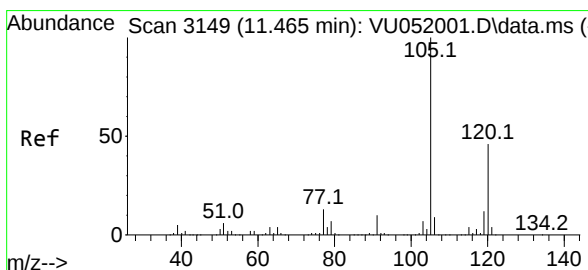
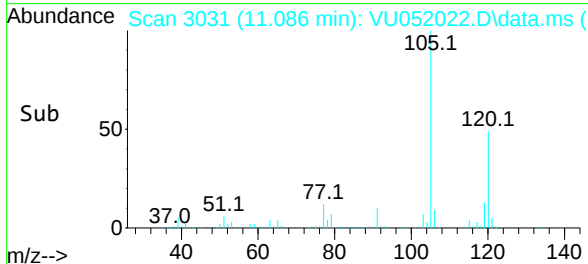
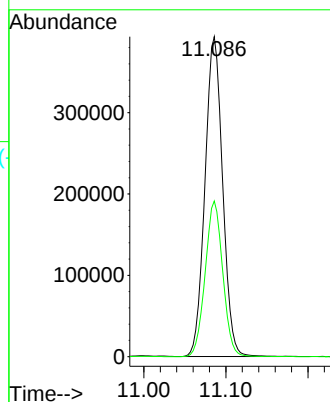
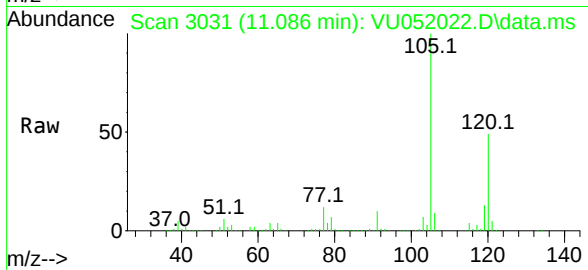




#62
1,3,5-Trimethylbenzene
Concen: 54.714 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

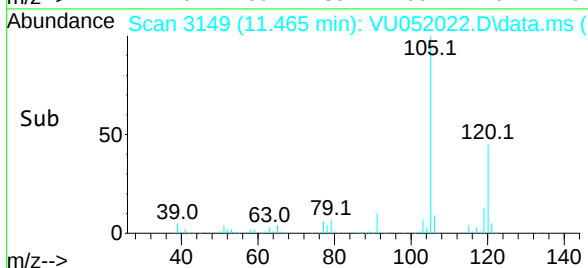
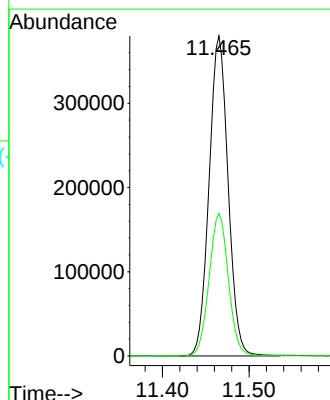
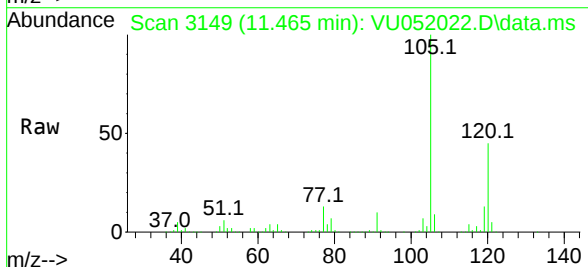
Instrument :
MSVOA_U
ClientSampleId :
A4345MSD

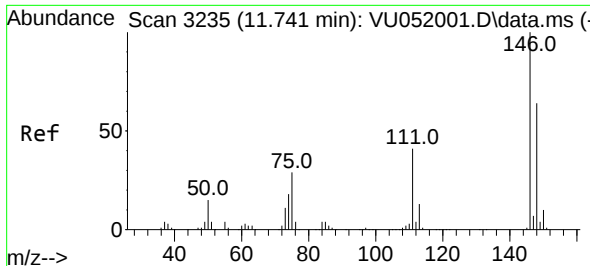
Tgt Ion:105 Resp: 587900
Ion Ratio Lower Upper
105 100
120 48.4 39.3 58.9



#63
1,2,4-Trimethylbenzene
Concen: 55.395 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

Tgt Ion:105 Resp: 580042
Ion Ratio Lower Upper
105 100
120 45.1 36.1 54.1

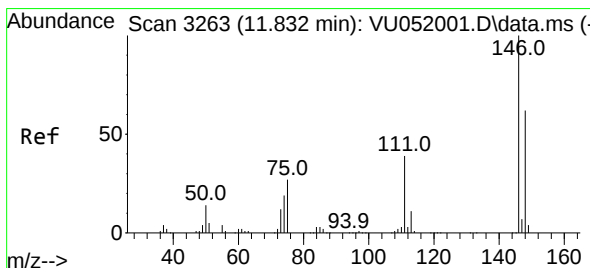
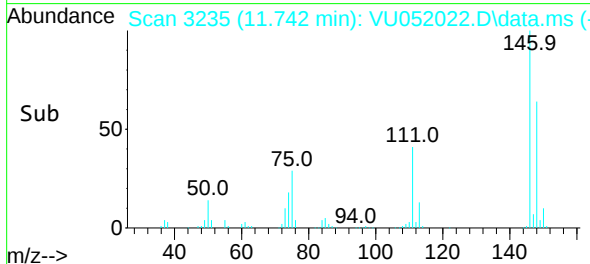
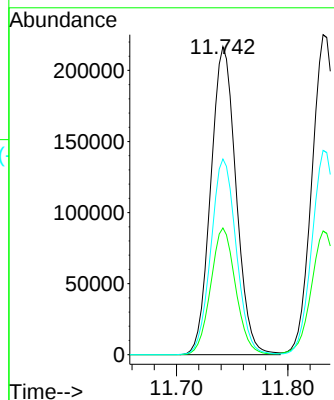
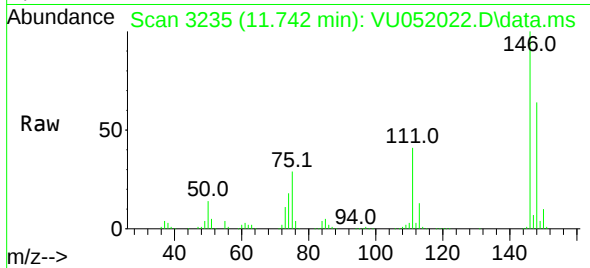




#64
1,3-Dichlorobenzene
Concen: 52.573 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

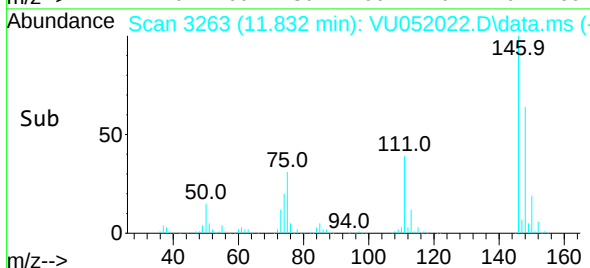
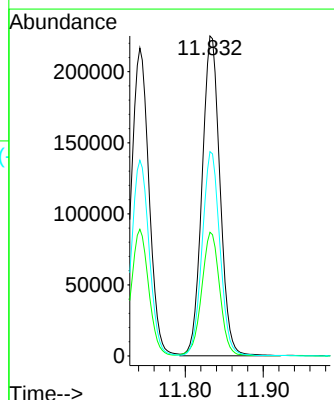
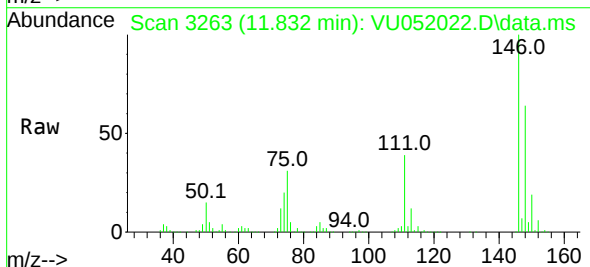
Instrument :
MSVOA_U
ClientSampleId :
A4345MSD

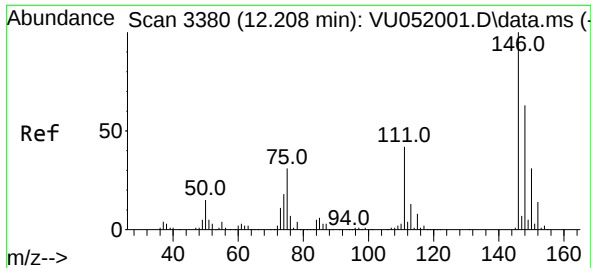
Tgt Ion:146 Resp: 342749
Ion Ratio Lower Upper
146 100
111 41.1 27.5 51.1
148 63.5 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 54.157 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

Tgt Ion:146 Resp: 359764
Ion Ratio Lower Upper
146 100
111 38.7 27.6 51.2
148 63.9 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 54.832 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052022.D

Acq: 22 Nov 2022 02:43

Instrument :

MSVOA_U

ClientSampleId :

A4345MSD

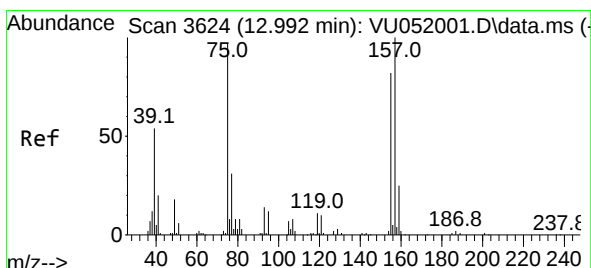
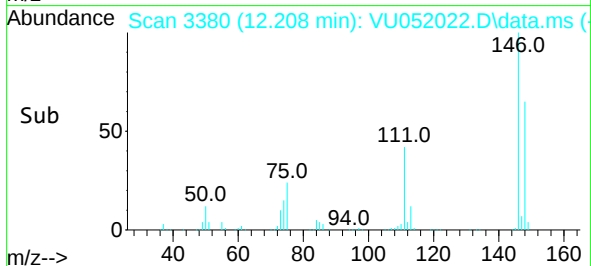
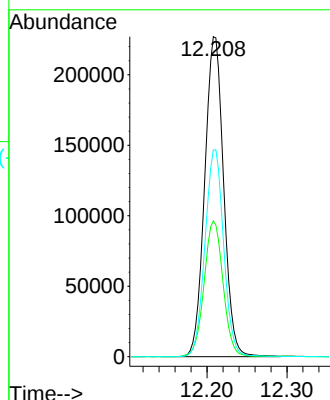
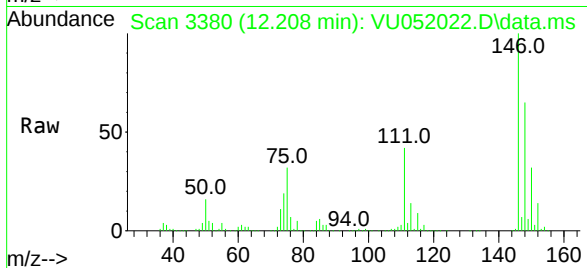
Tgt Ion:146 Resp: 374550

Ion Ratio Lower Upper

146 100

111 42.5 34.2 51.4

148 64.6 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 52.733 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU052022.D

Acq: 22 Nov 2022 02:43

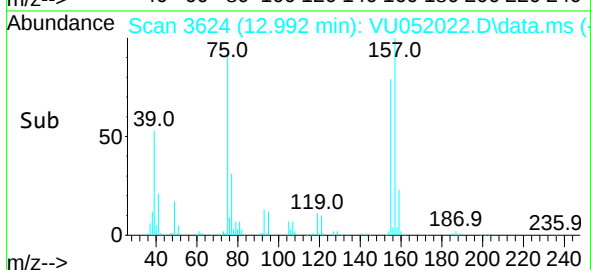
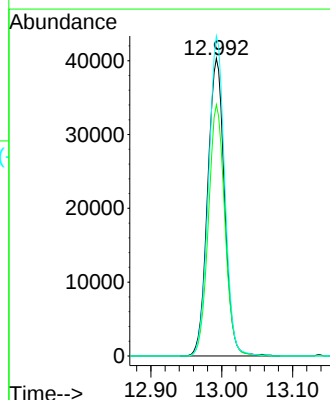
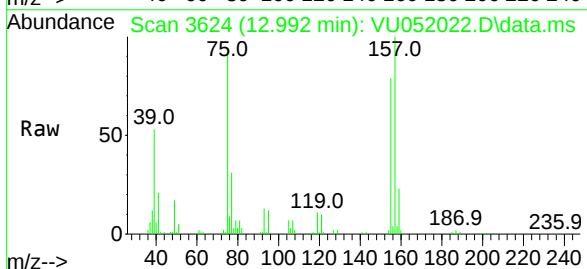
Tgt Ion: 75 Resp: 66491

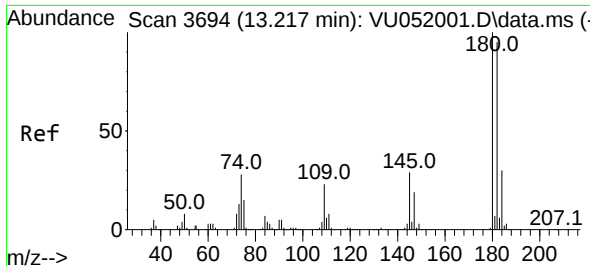
Ion Ratio Lower Upper

75 100

155 84.4 66.3 99.5

157 107.5 82.8 124.2

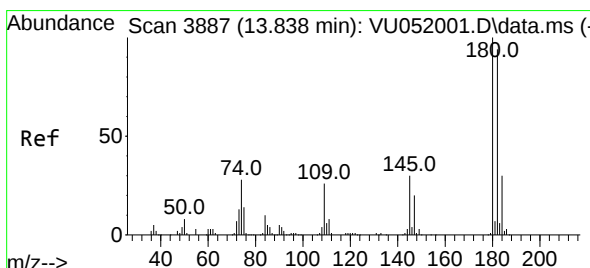
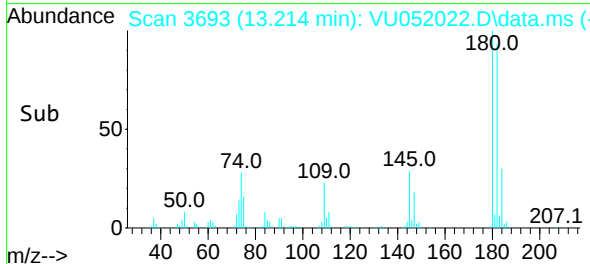
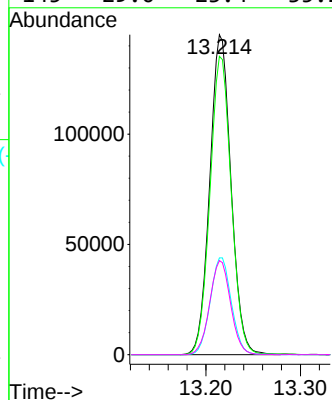
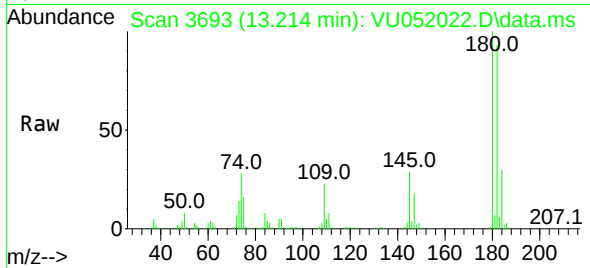




#69
1,3,5-Trichlorobenzene
Concen: 51.936 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. -0.003 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

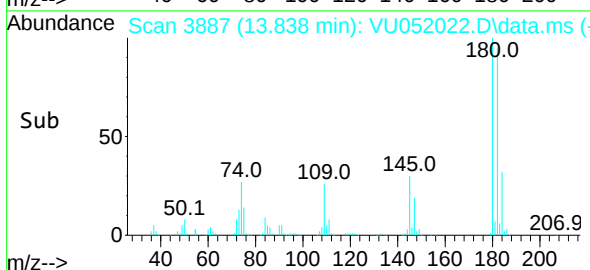
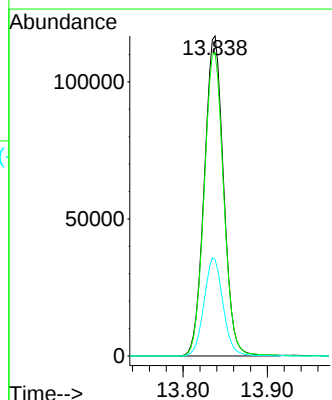
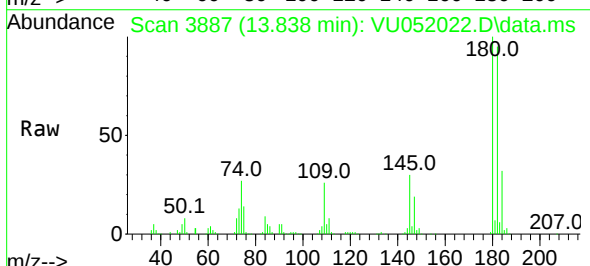
Instrument :
MSVOA_U
ClientSampleId :
A4345MSD

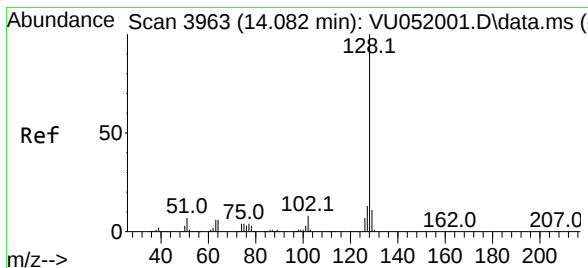
Tgt Ion:180 Resp: 226047
Ion Ratio Lower Upper
180 100
182 93.6 77.2 115.8
184 30.1 24.6 36.8
145 29.0 23.4 35.2



#70
1,2,4-trichlorobenzene
Concen: 53.218 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.000 min
Lab File: VU052022.D
Acq: 22 Nov 2022 02:43

Tgt Ion:180 Resp: 186063
Ion Ratio Lower Upper
180 100
182 95.8 75.4 113.2
145 30.1 23.4 35.0





#71

Naphthalene

Concen: 60.079 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU052022.D

Acq: 22 Nov 2022 02:43

Instrument :

MSVOA_U

ClientSampleId :

A4345MSD

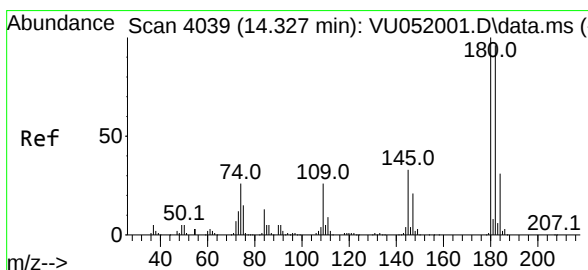
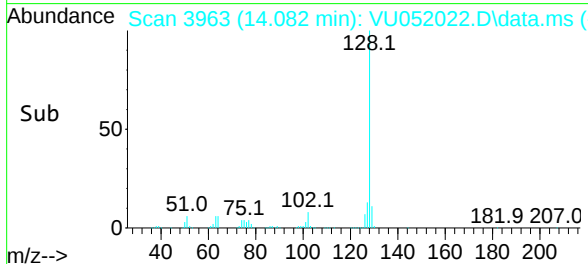
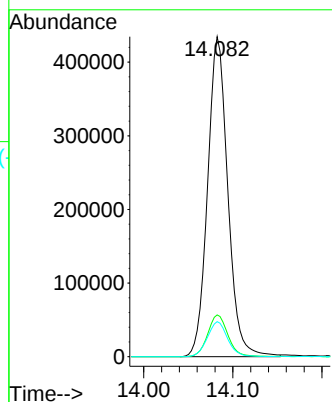
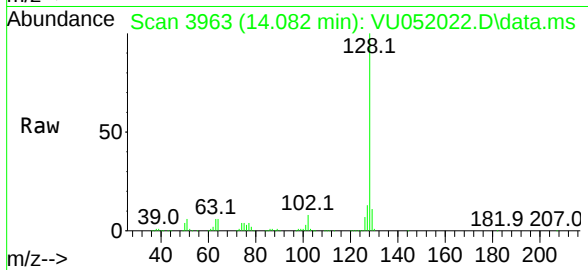
Tgt Ion:128 Resp: 683847

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 11.0 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 55.916 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.000 min

Lab File: VU052022.D

Acq: 22 Nov 2022 02:43

Tgt Ion:180 Resp: 211796

Ion Ratio Lower Upper

180 100

182 97.7 76.1 114.1

145 32.0 25.8 38.6

