

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112122\
 Data File : VU052021.D
 Acq On : 22 Nov 2022 02:17
 Operator : JC/MD
 Sample : N5737-02MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4345MS

Quant Time: Nov 22 03:01:30 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	440868	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	437819	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	217030	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	173524	45.420	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.840%
7) Chloroethane-d5	1.906	69	147408	48.719	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.440%
11) 1,1-Dichloroethene-d2	2.568	63	269011	47.503	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.000%
21) 2-Butanone-d5	4.616	46	241267	105.091	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.090%
24) Chloroform-d	5.060	84	313860	50.141	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.280%
26) 1,2-Dichloroethane-d4	5.700	65	186714	49.595	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.200%
32) Benzene-d6	5.726	84	649666	49.783	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.560%
36) 1,2-Dichloropropane-d6	6.687	67	208650	49.768	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.540%
41) Toluene-d8	7.896	98	582712	49.977	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.960%
43) trans-1,3-Dichloroprop...	8.176	79	85845	48.100	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.200%
47) 2-Hexanone-d5	8.629	63	171752	105.019	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.020%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	336412	50.721	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.440%
66) 1,2-Dichlorobenzene-d4	12.192	152	215497	48.016	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	119215	50.373	ug/L	100
3) Chloromethane	1.527	50	171248	50.491	ug/L	100
5) Vinyl chloride	1.604	62	176596	50.711	ug/L	100
6) Bromomethane	1.845	94	93531	53.510	ug/L	99
8) Chloroethane	1.928	64	117224	51.335	ug/L	96
9) Trichlorofluoromethane	2.137	101	207791	49.913	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	133838	50.071	ug/L	99
12) 1,1-Dichloroethene	2.578	96	128538	50.352	ug/L	97
13) Acetone	2.620	43	203483	97.025	ug/L	99
14) Carbon disulfide	2.793	76	320220	49.607	ug/L	100
15) Methyl Acetate	2.945	43	161653	48.280	ug/L	99
16) Methylene chloride	3.044	84	182704	46.991	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	140225	51.627	ug/L	98
18) Methyl tert-butyl Ether	3.359	73	479642	54.367	ug/L	99
19) 1,1-Dichloroethane	3.867	63	296639	53.086	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	173964	53.347	ug/L	99
22) 2-Butanone	4.697	43	252190	96.444	ug/L	99
23) Bromochloromethane	4.970	128	92348	52.610	ug/L	96
25) Chloroform	5.086	83	306470	53.152	ug/L	97

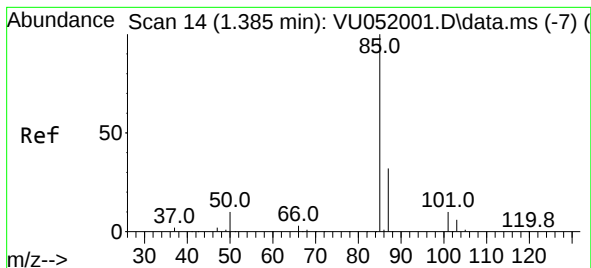
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	228342	52.788	ug/L	99
29) Cyclohexane	5.388	56	200325	52.177	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	229284	51.068	ug/L	99
31) Carbon tetrachloride	5.523	117	183743	50.548	ug/L	98
33) Benzene	5.771	78	707461	54.545	ug/L	100
34) Trichloroethene	6.539	95	152445	50.373	ug/L	97
35) Methylcyclohexane	6.761	83	204602	49.329	ug/L	99
37) 1,2-Dichloropropane	6.787	63	189270	52.235	ug/L	99
38) Bromodichloromethane	7.102	83	232232	51.910	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	247870	50.588	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	509990	110.660	ug/L	99
42) Toluene	7.967	91	712237	53.141	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	237141	51.743	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	188389	52.741	ug/L	99
46) Tetrachloroethene	8.552	164	108158	47.373	ug/L	99
48) 2-Hexanone	8.681	43	404946	106.180	ug/L	99
49) Dibromochloromethane	8.806	129	185711	51.158	ug/L	100
50) 1,2-Dibromoethane	8.922	107	189350	52.779	ug/L	100
51) Chlorobenzene	9.443	112	495415	56.180	ug/L	99
52) Ethylbenzene	9.568	91	710399	52.057	ug/L	98
53) m,p-Xylene	9.690	106	279020	52.918	ug/L	96
54) o-Xylene	10.099	106	286629	53.727	ug/L	99
55) Styrene	10.111	104	487169	53.902	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	345675	53.180	ug/L	99
59) Bromoform	10.288	173	141198	50.234	ug/L	96
60) 1,2,3-Trichloropropane	10.819	75	261924	51.974	ug/L	99
61) Isopropylbenzene	10.481	105	707361	53.415	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	557986	52.738	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	556038	53.929	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	329565	51.337	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	340813	52.103	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	364384	54.174	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	63347	51.021	ug/L	100
69) 1,3,5-Trichlorobenzene	13.214	180	207891	48.508	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	169451	49.221	ug/L	99
71) Naphthalene	14.082	128	594398	53.033	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	191253	51.278	ug/L	99

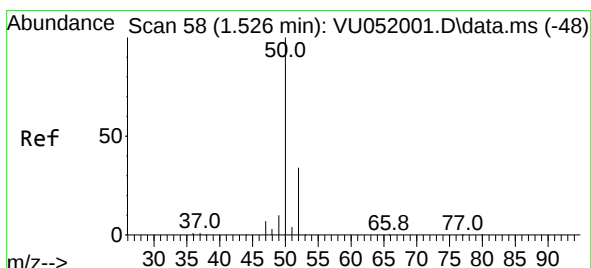
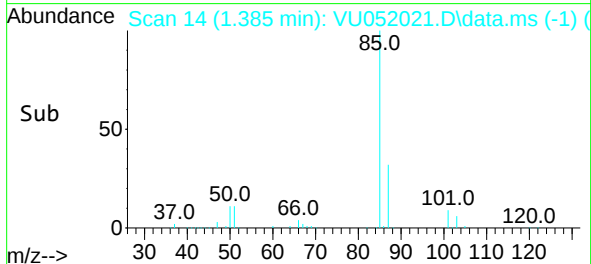
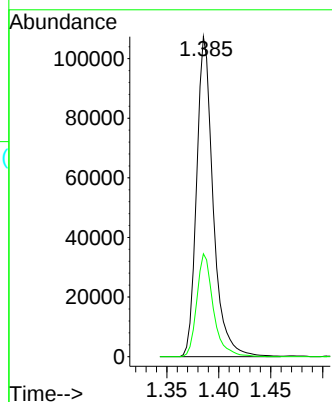
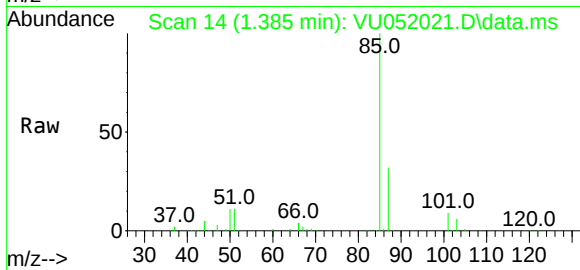
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 50.373 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

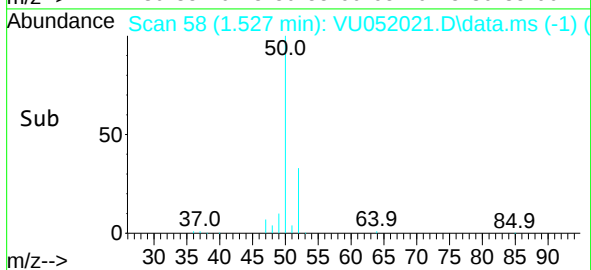
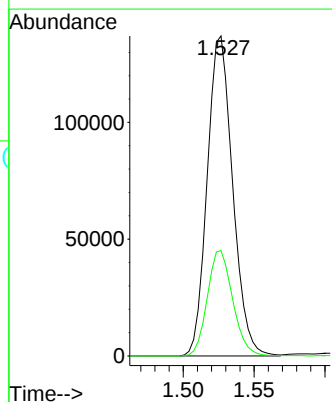
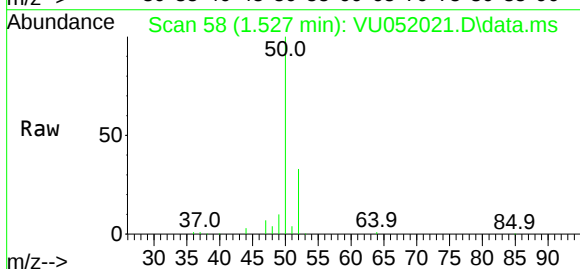
Instrument :
MSVOA_U
ClientSampleId :
A4345MS

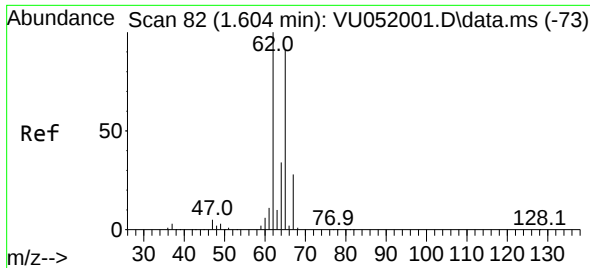
Tgt Ion: 85 Resp: 119215
Ion Ratio Lower Upper
85 100
87 32.1 25.9 38.9



#3
Chloromethane
Concen: 50.491 ug/L
RT: 1.527 min Scan# 58
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

Tgt Ion: 50 Resp: 171248
Ion Ratio Lower Upper
50 100
52 32.9 23.1 42.9

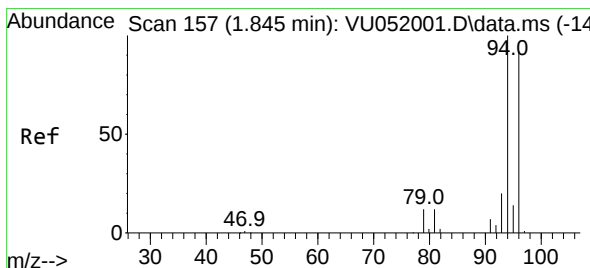
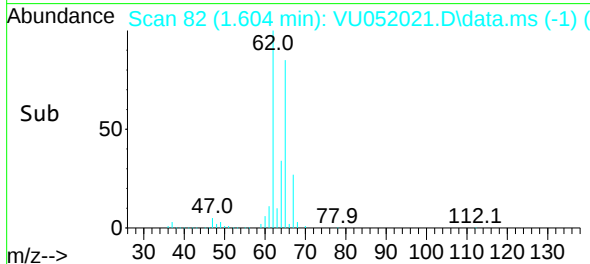
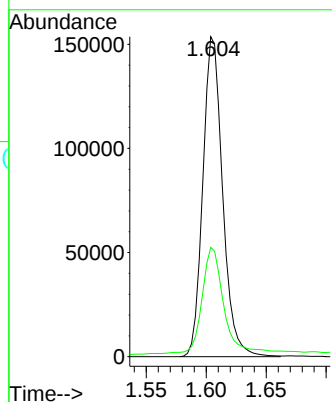
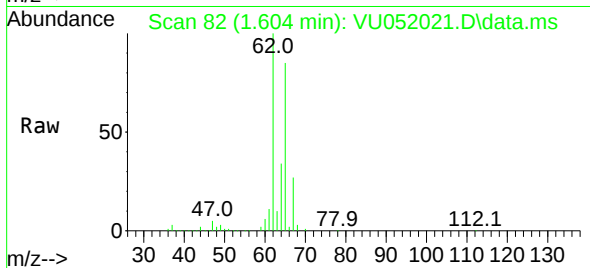




#5
 Vinyl chloride
 Concen: 50.711 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU052021.D
 Acq: 22 Nov 2022 02:17

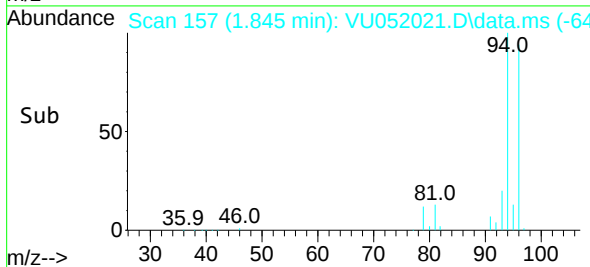
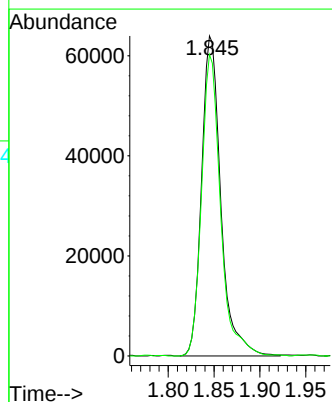
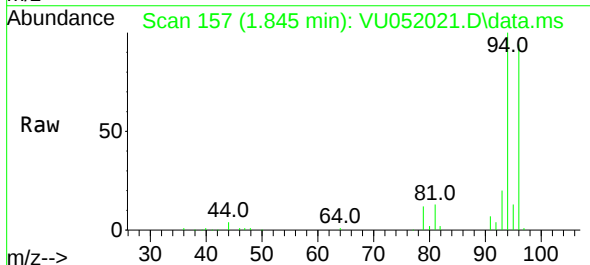
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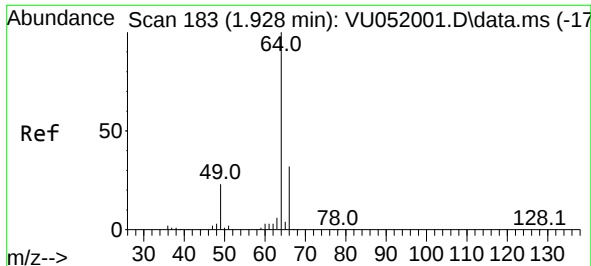
Tgt Ion: 62 Resp: 176596
 Ion Ratio Lower Upper
 62 100
 64 34.1 23.9 44.3



#6
 Bromomethane
 Concen: 53.510 ug/L
 RT: 1.845 min Scan# 157
 Delta R.T. 0.000 min
 Lab File: VU052021.D
 Acq: 22 Nov 2022 02:17

Tgt Ion: 94 Resp: 93531
 Ion Ratio Lower Upper
 94 100
 96 94.2 66.8 124.0

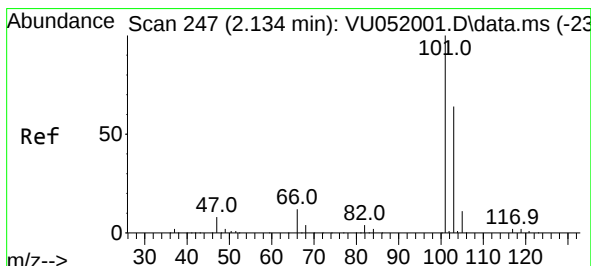
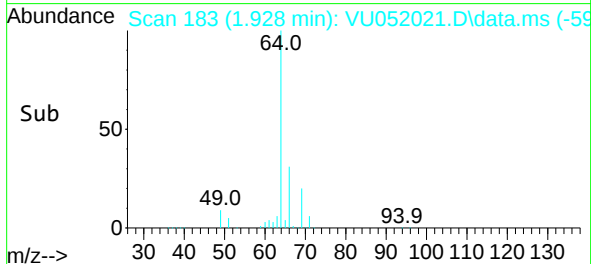
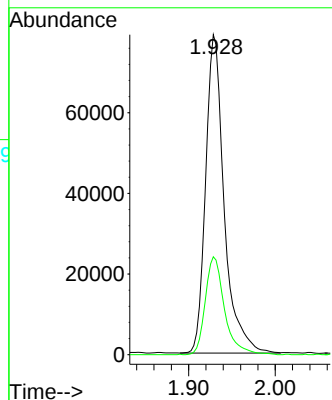
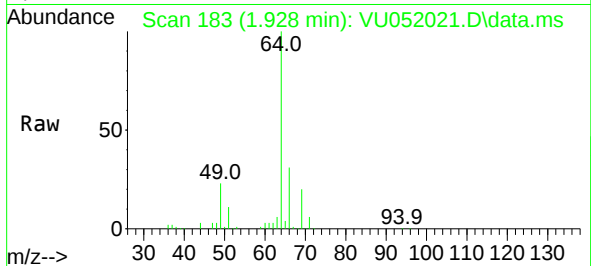




#8
Chloroethane
Concen: 51.335 ug/L
RT: 1.928 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

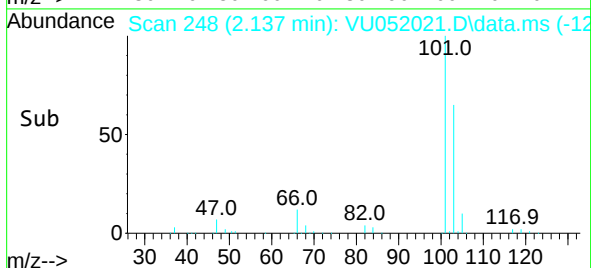
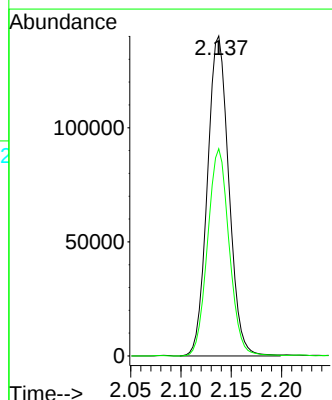
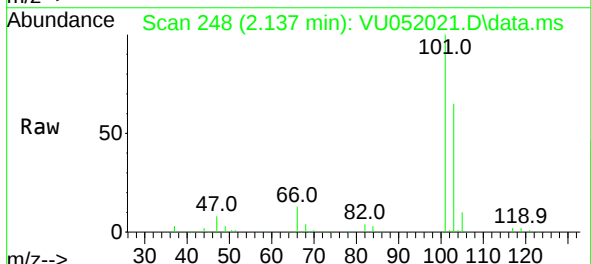
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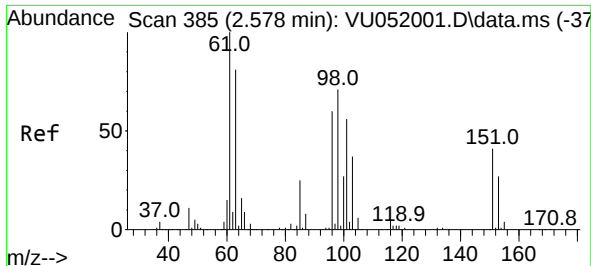
Tgt Ion: 64 Resp: 117224
Ion Ratio Lower Upper
64 100
66 30.6 22.8 42.4



#9
Trichlorofluoromethane
Concen: 49.913 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

Tgt Ion:101 Resp: 207791
Ion Ratio Lower Upper
101 100
103 65.2 51.5 77.3

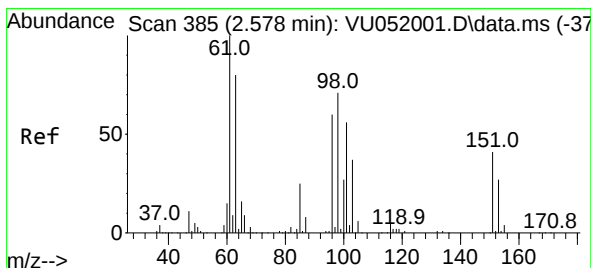
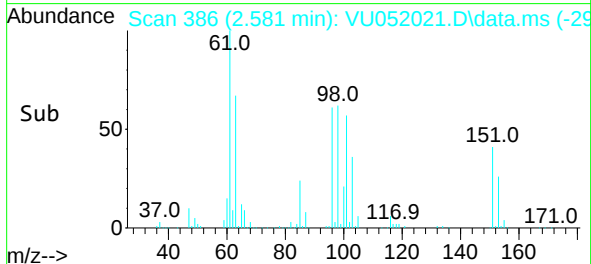
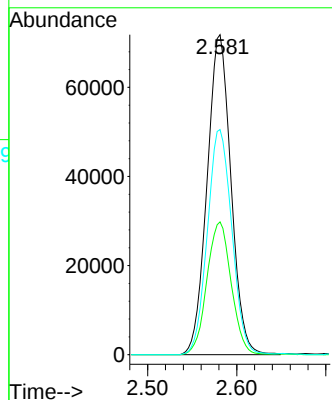
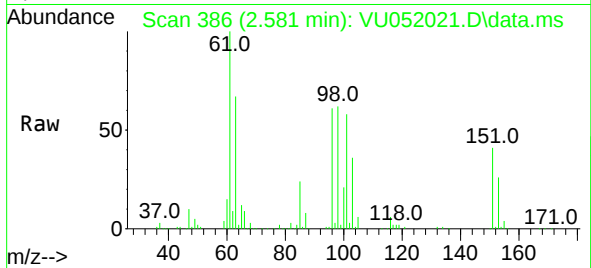




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.071 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU052021.D
 Acq: 22 Nov 2022 02:17

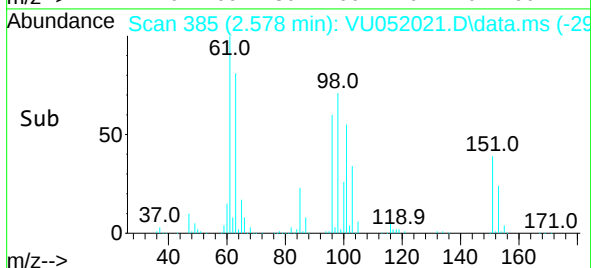
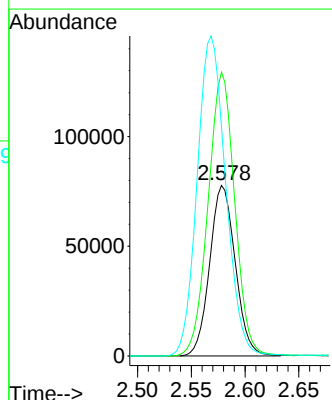
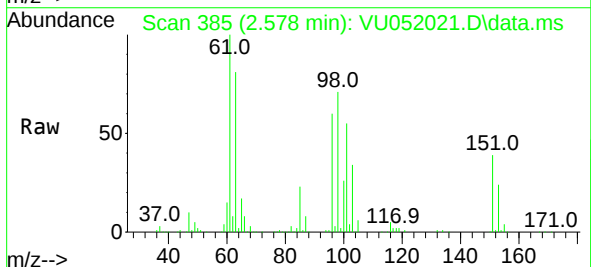
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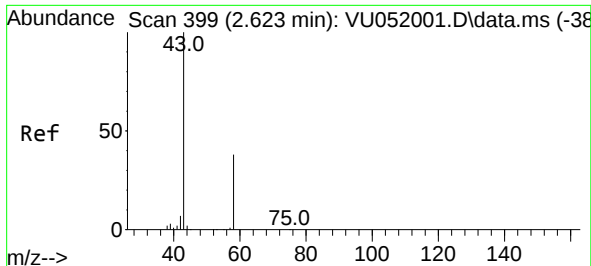
Tgt Ion:101 Resp: 133838
 Ion Ratio Lower Upper
 101 100
 85 42.1 33.6 50.4
 151 72.2 58.9 88.3



#12
 1,1-Dichloroethene
 Concen: 50.352 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU052021.D
 Acq: 22 Nov 2022 02:17

Tgt Ion: 96 Resp: 128538
 Ion Ratio Lower Upper
 96 100
 61 166.3 114.2 212.0
 63 134.5 90.9 168.7





#13

Acetone

Concen: 97.025 ug/L

RT: 2.620 min Scan# 398

Delta R.T. -0.003 min

Lab File: VU052021.D

Acq: 22 Nov 2022 02:17

Instrument :

MSVOA_U

ClientSampleId :

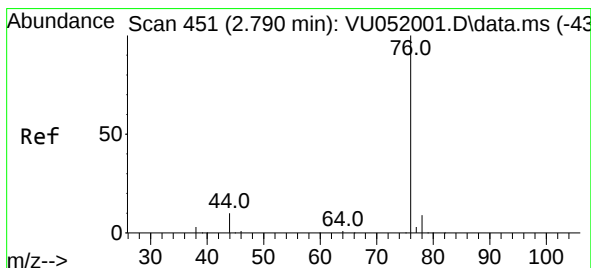
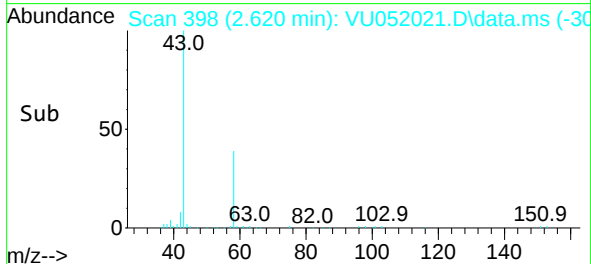
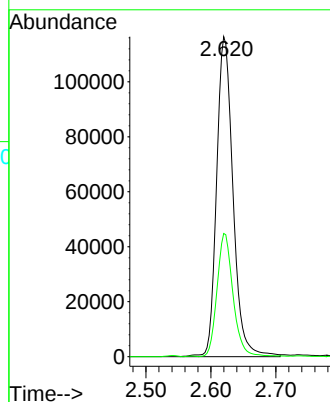
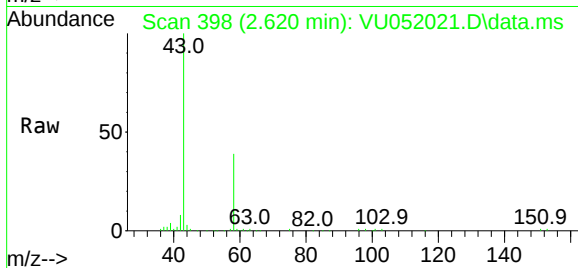
A4345MS

Tgt Ion: 43 Resp: 203483

Ion Ratio Lower Upper

43 100

58 37.7 0.0 76.6



#14

Carbon disulfide

Concen: 49.607 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU052021.D

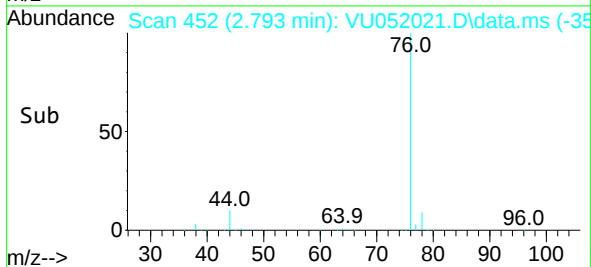
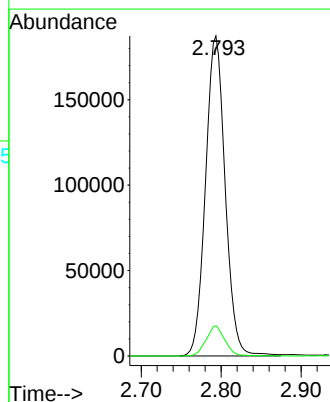
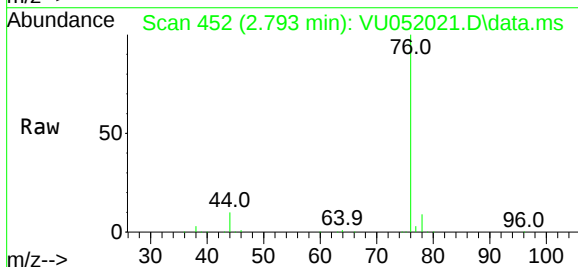
Acq: 22 Nov 2022 02:17

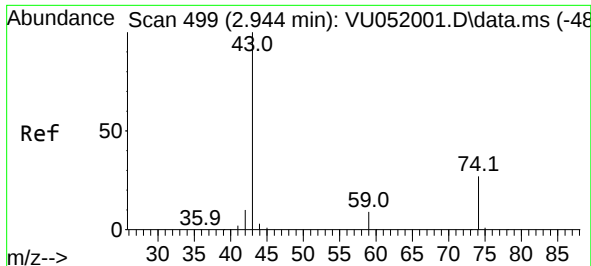
Tgt Ion: 76 Resp: 320220

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3

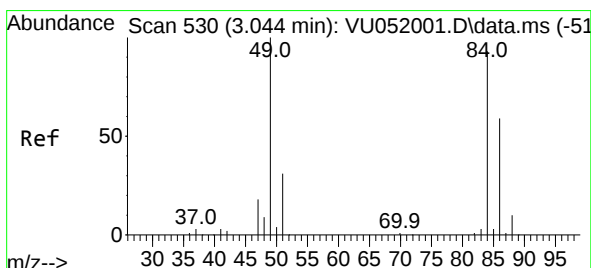
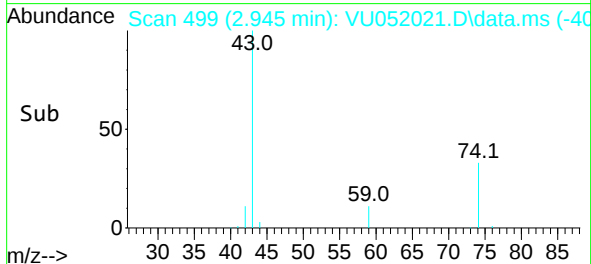
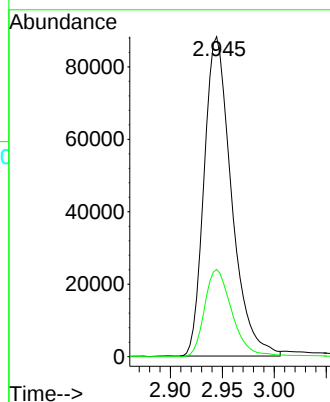
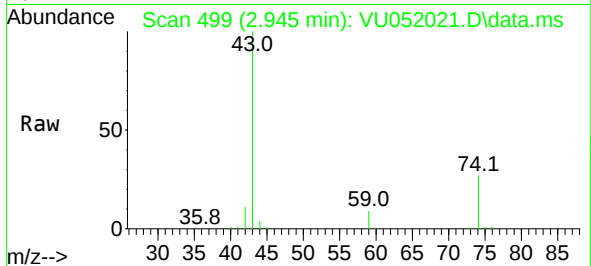




#15
Methyl Acetate
Concen: 48.280 ug/L
RT: 2.945 min Scan# 499
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

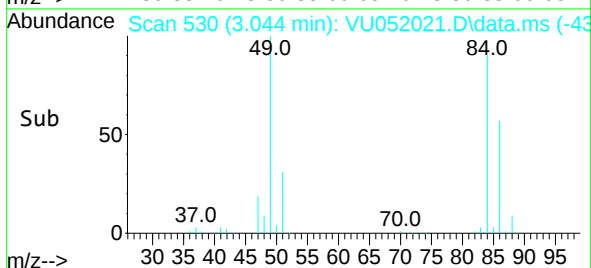
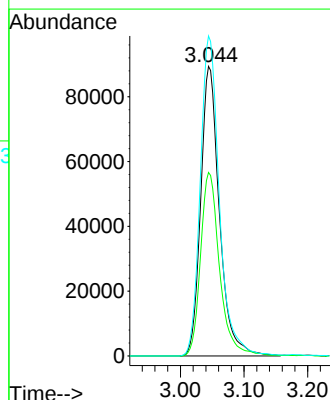
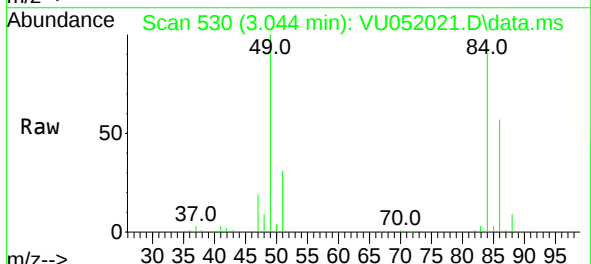
Instrument :
MSVOA_U
ClientSampleId :
A4345MS

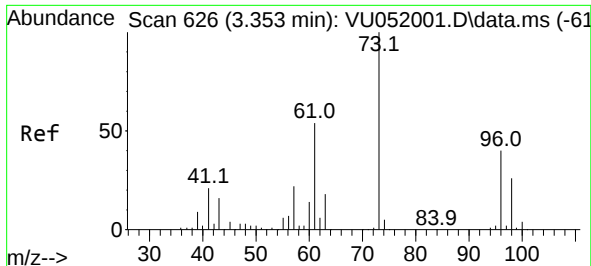
Tgt Ion: 43 Resp: 161653
Ion Ratio Lower Upper
43 100
74 27.4 22.2 33.4



#16
Methylene chloride
Concen: 46.991 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

Tgt Ion: 84 Resp: 182704
Ion Ratio Lower Upper
84 100
86 63.4 45.2 84.0
49 110.5 75.9 141.1

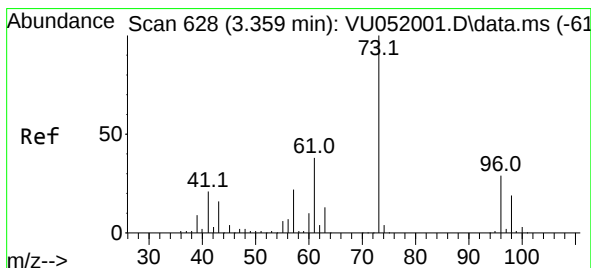
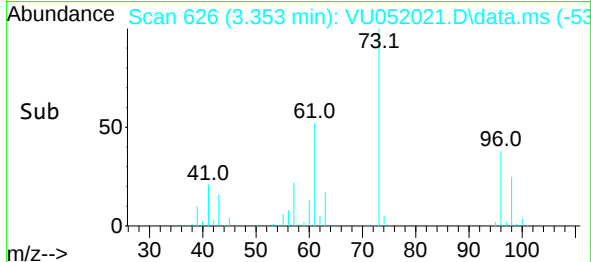
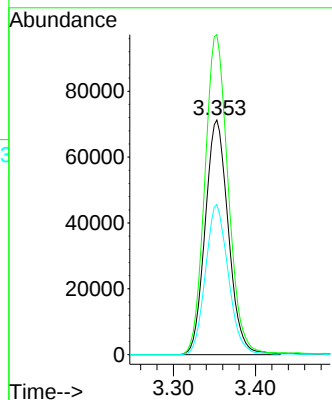
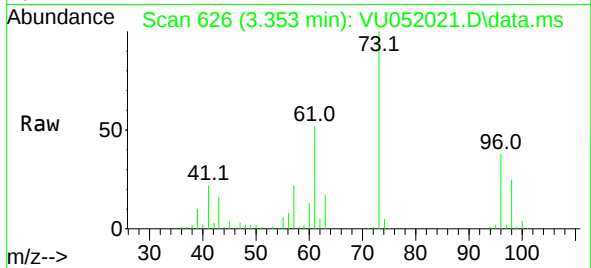




#17
trans-1,2-Dichloroethene
Concen: 51.627 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

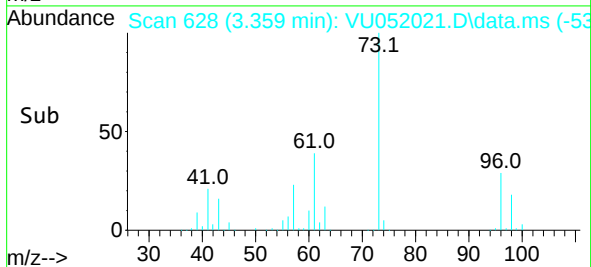
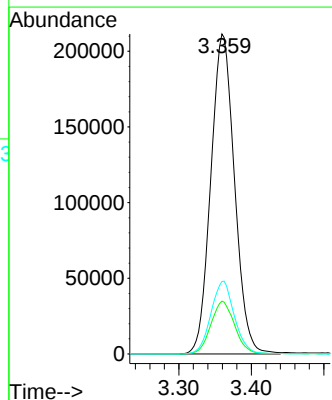
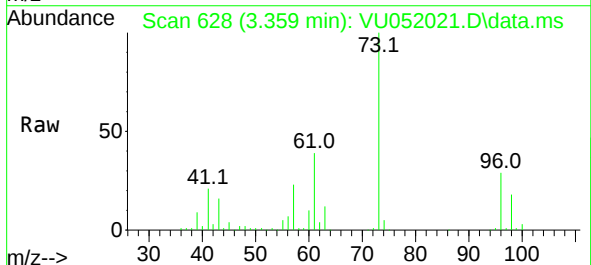
Instrument :
MSVOA_U
ClientSampleId :
A4345MS

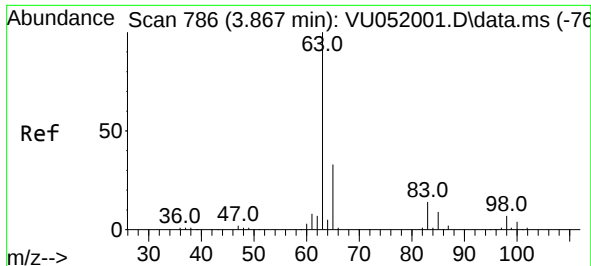
Tgt Ion: 96 Resp: 140225
Ion Ratio Lower Upper
96 100
61 136.4 93.9 174.3
98 64.0 44.2 82.0



#18
Methyl tert-butyl Ether
Concen: 54.367 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

Tgt Ion: 73 Resp: 479642
Ion Ratio Lower Upper
73 100
43 16.6 13.1 19.7
57 22.5 17.8 26.6

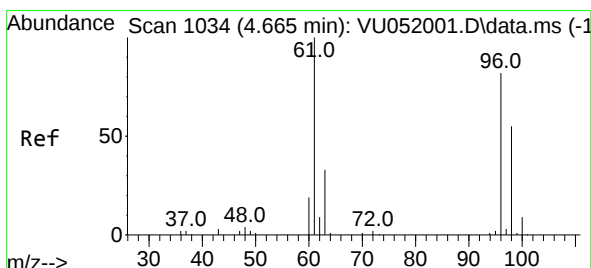
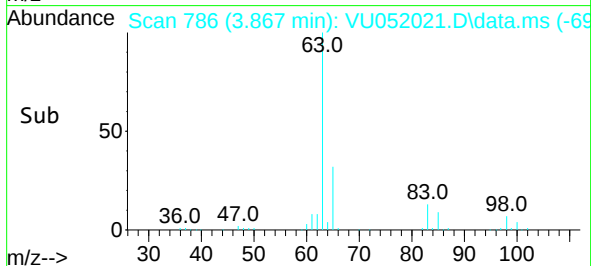
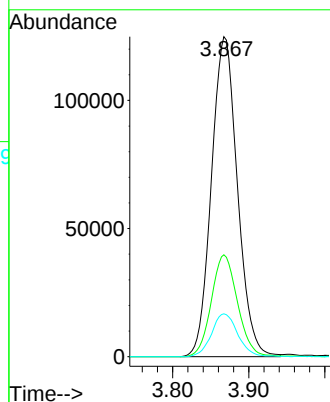
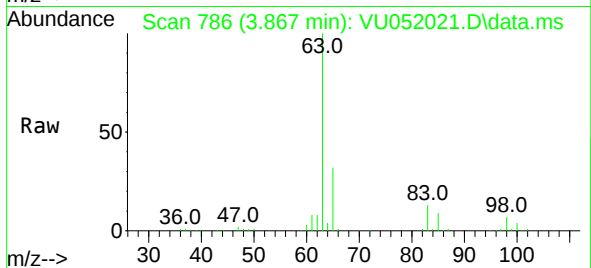




#19
1,1-Dichloroethane
Concen: 53.086 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

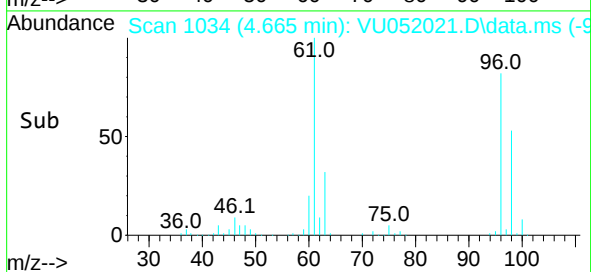
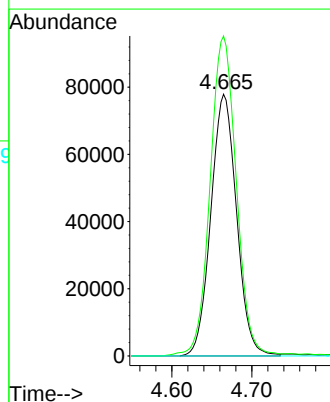
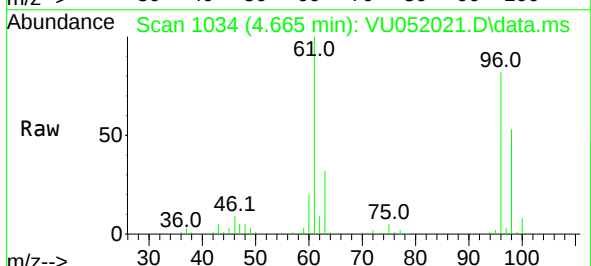
Instrument :
MSVOA_U
ClientSampleId :
A4345MS

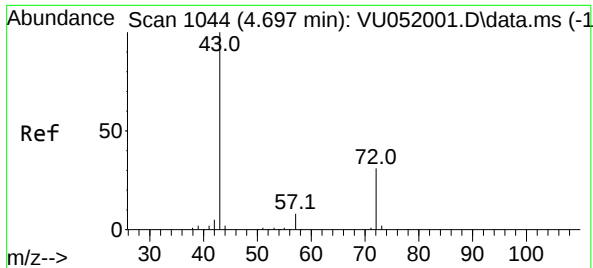
Tgt Ion: 63 Resp: 296639
Ion Ratio Lower Upper
63 100
65 31.8 22.3 41.3
83 13.4 9.8 18.2



#20
cis-1,2-Dichloroethene
Concen: 53.347 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

Tgt Ion: 96 Resp: 173964
Ion Ratio Lower Upper
96 100
61 122.3 84.5 156.9
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 96.444 ug/L

RT: 4.697 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VU052021.D

Acq: 22 Nov 2022 02:17

Instrument :

MSVOA_U

ClientSampleId :

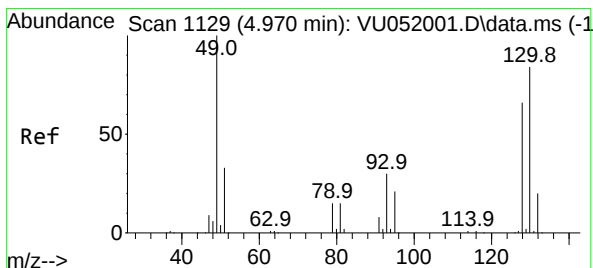
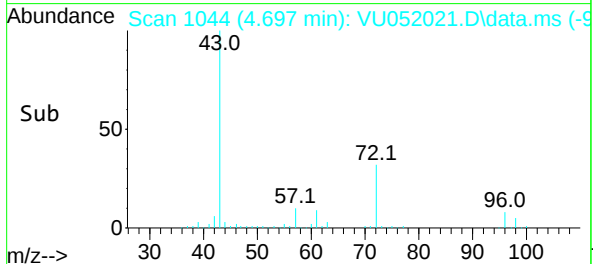
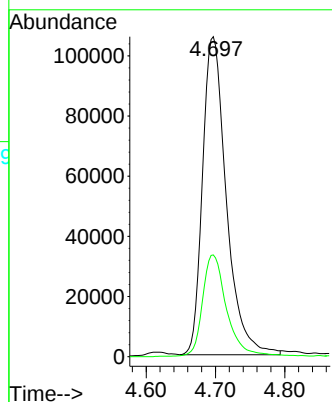
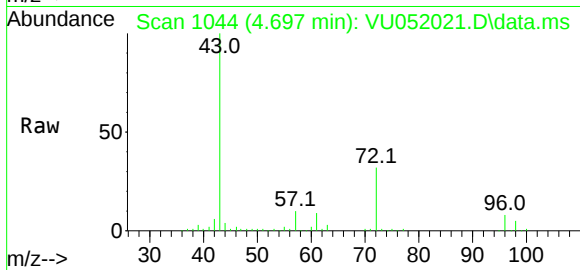
A4345MS

Tgt Ion: 43 Resp: 252190

Ion Ratio Lower Upper

43 100

72 32.4 15.9 47.7



#23

Bromochloromethane

Concen: 52.610 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VU052021.D

Acq: 22 Nov 2022 02:17

Tgt Ion:128 Resp: 92348

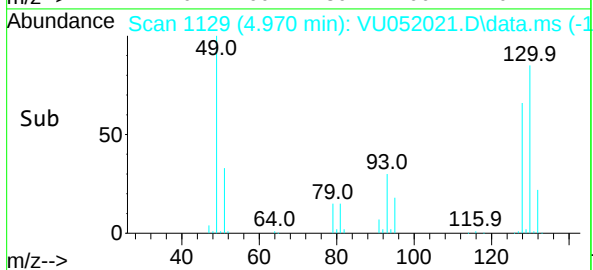
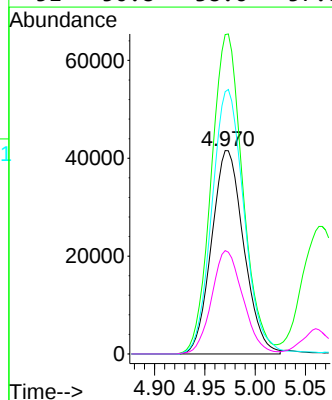
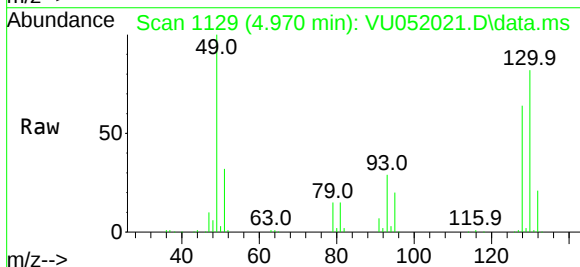
Ion Ratio Lower Upper

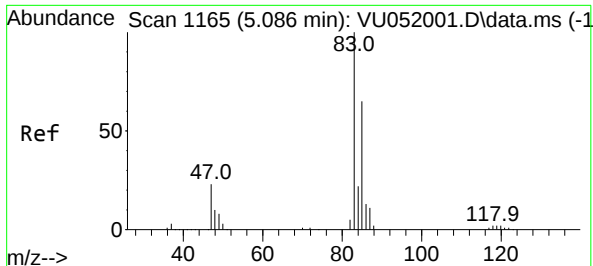
128 100

49 157.0 106.3 197.3

130 128.9 87.4 162.2

51 50.8 38.6 57.8





#25

Chloroform

Concen: 53.152 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU052021.D

Acq: 22 Nov 2022 02:17

Instrument :

MSVOA_U

ClientSampleId :

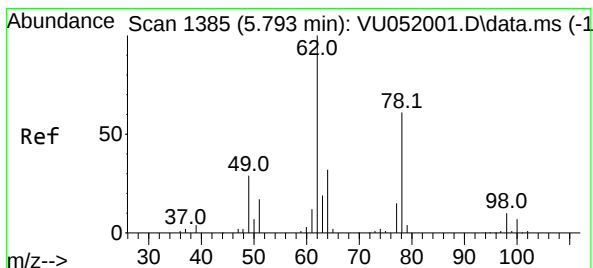
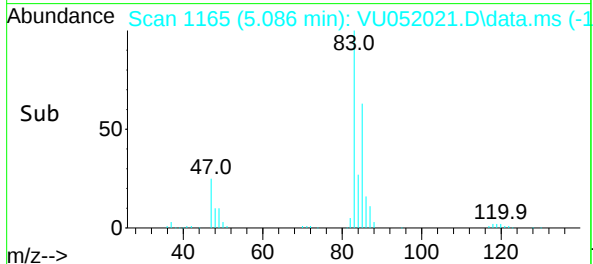
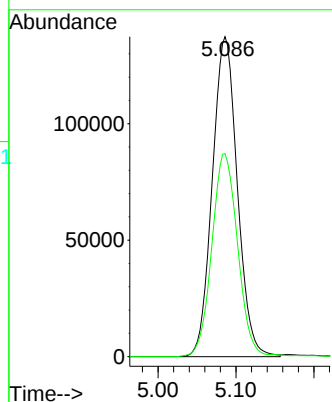
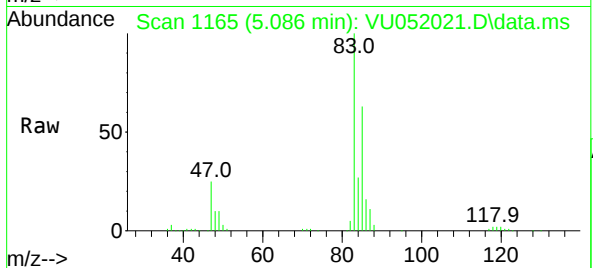
A4345MS

Tgt Ion: 83 Resp: 306470

Ion Ratio Lower Upper

83 100

85 63.5 46.3 85.9



#27

1,2-Dichloroethane

Concen: 52.788 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU052021.D

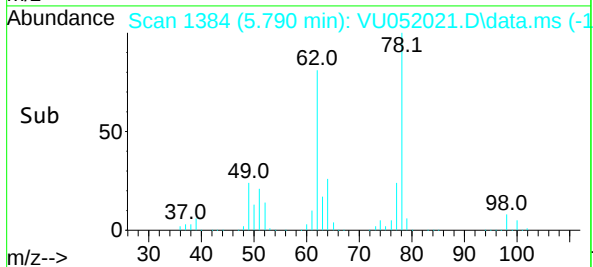
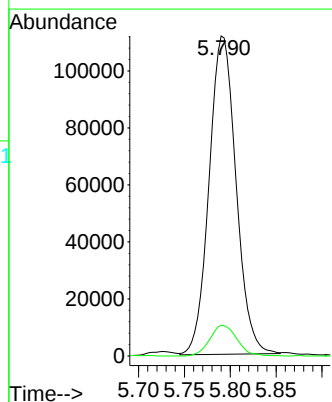
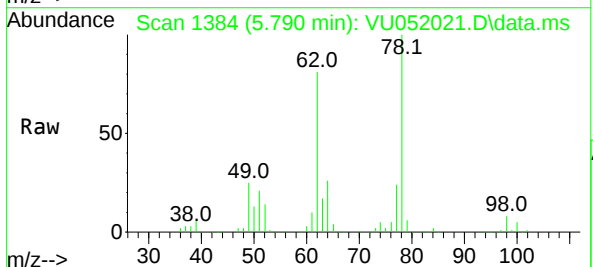
Acq: 22 Nov 2022 02:17

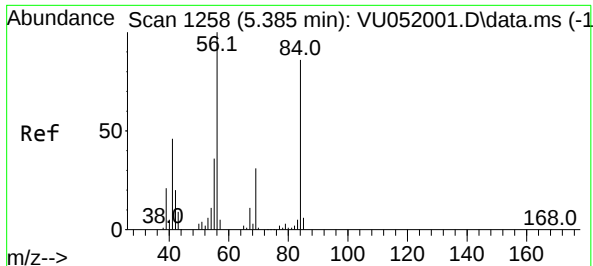
Tgt Ion: 62 Resp: 228342

Ion Ratio Lower Upper

62 100

98 9.6 7.9 11.9





#29

Cyclohexane

Concen: 52.177 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.003 min

Lab File: VU052021.D

Acq: 22 Nov 2022 02:17

Instrument :

MSVOA_U

ClientSampleId :

A4345MS

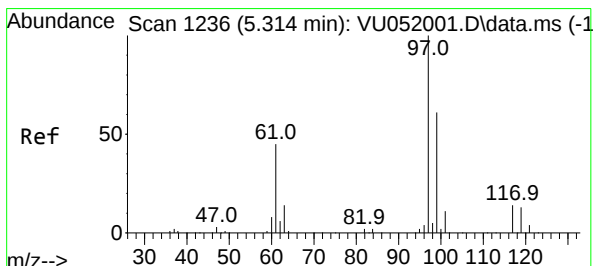
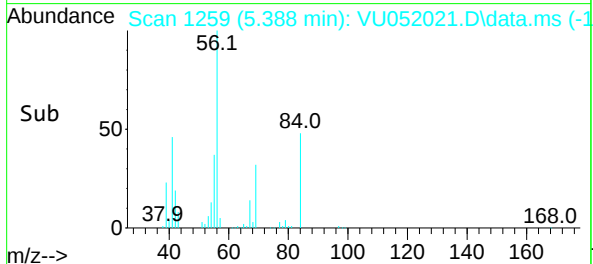
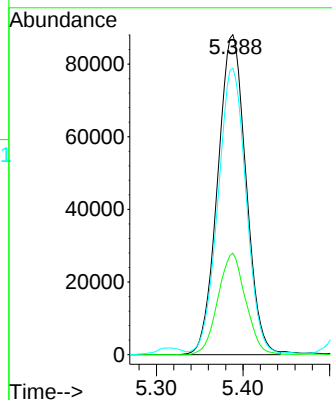
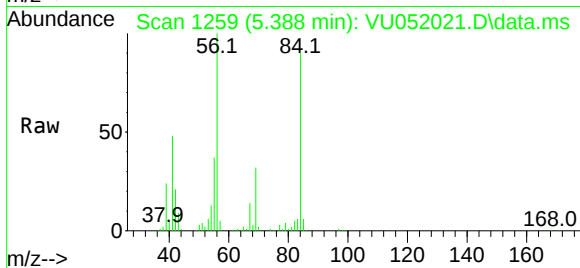
Tgt Ion: 56 Resp: 200325

Ion Ratio Lower Upper

56 100

69 30.9 25.7 38.5

84 89.2 70.2 105.2



#30

1,1,1-Trichloroethane

Concen: 51.068 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU052021.D

Acq: 22 Nov 2022 02:17

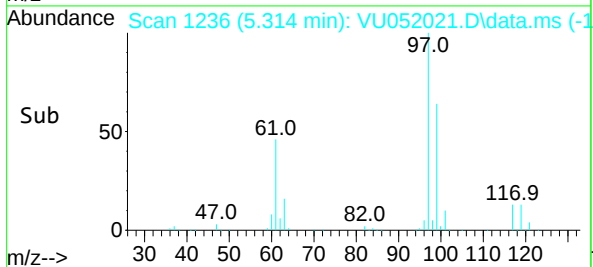
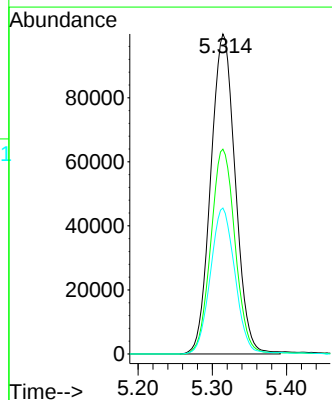
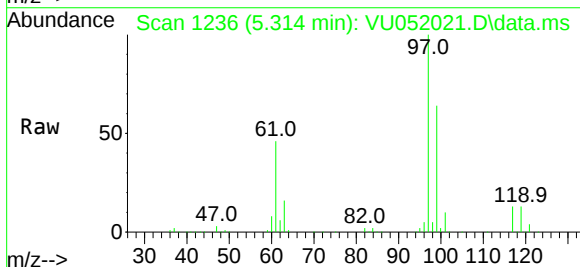
Tgt Ion: 97 Resp: 229284

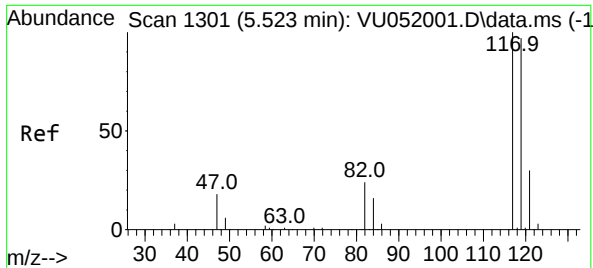
Ion Ratio Lower Upper

97 100

99 63.3 51.4 77.0

61 45.6 37.2 55.8

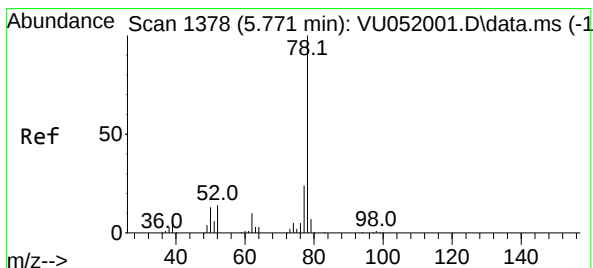
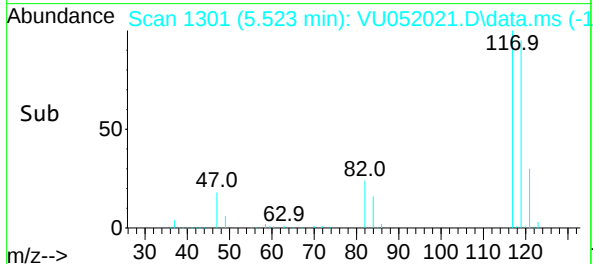
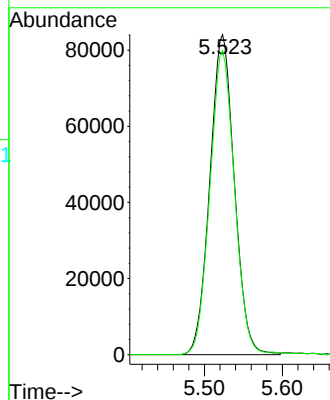
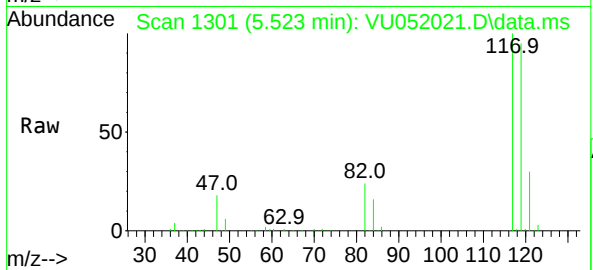




#31
Carbon tetrachloride
Concen: 50.548 ug/L
RT: 5.523 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

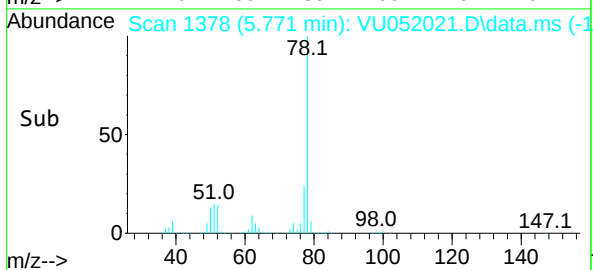
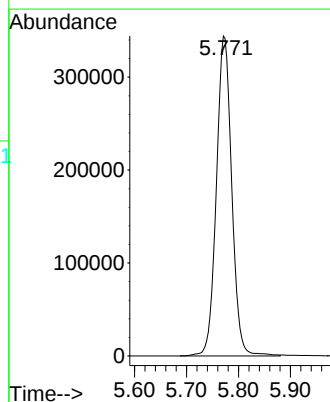
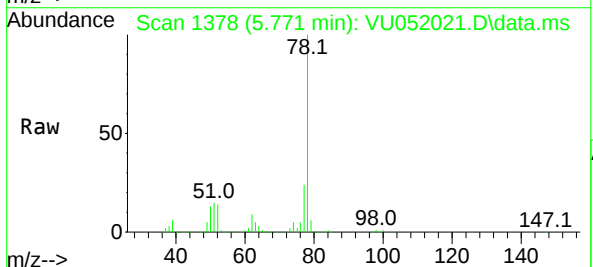
Instrument :
MSVOA_U
ClientSampleId :
A4345MS

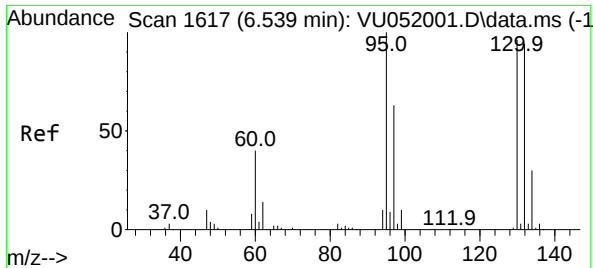
Tgt Ion:117 Resp: 183743
Ion Ratio Lower Upper
117 100
119 94.9 77.4 116.2



#33
Benzene
Concen: 54.545 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

Tgt Ion: 78 Resp: 707461

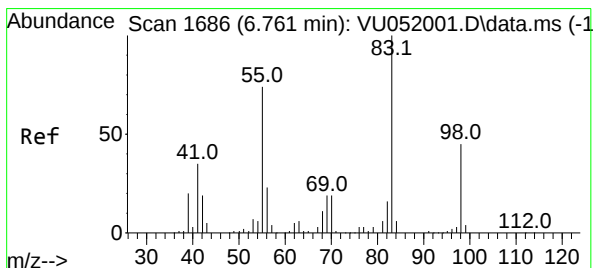
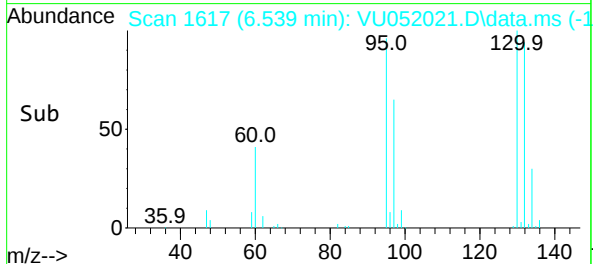
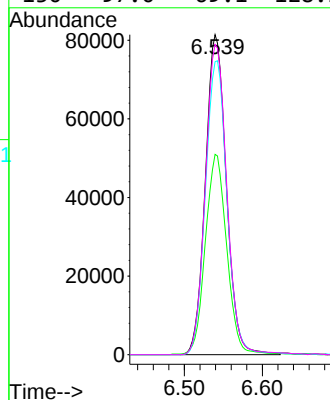
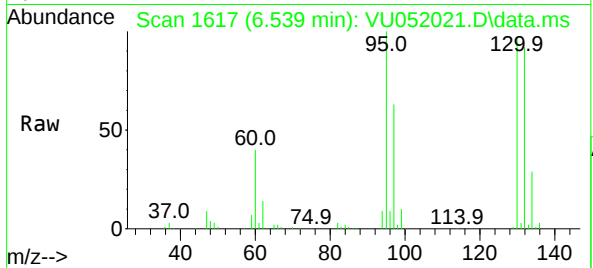




#34
Trichloroethene
Concen: 50.373 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

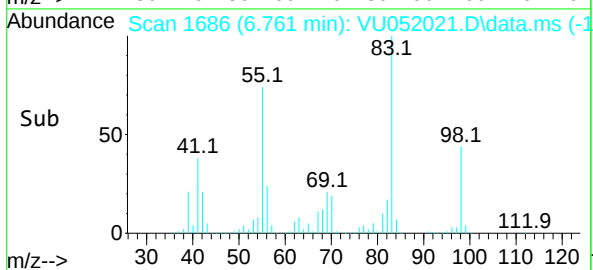
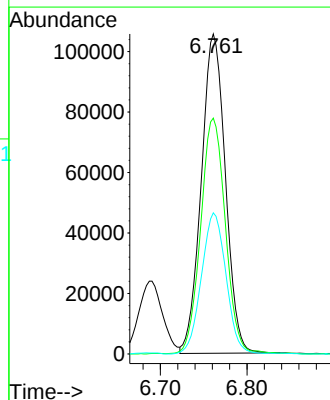
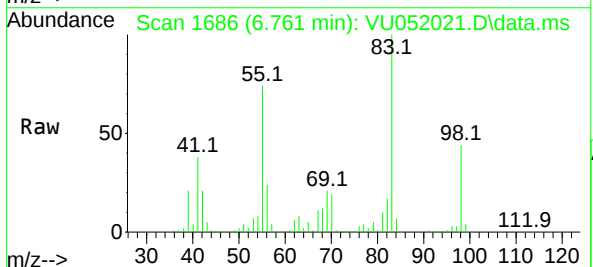
Instrument :
MSVOA_U
ClientSampleId :
A4345MS

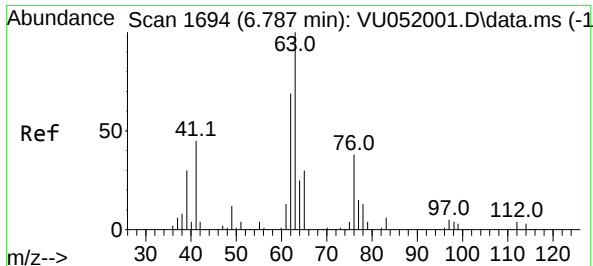
Tgt Ion: 95 Resp: 152445
Ion Ratio Lower Upper
95 100
97 62.6 45.3 84.1
132 91.6 66.8 124.2
130 97.0 69.1 128.3



#35
Methylcyclohexane
Concen: 49.329 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

Tgt Ion: 83 Resp: 204602
Ion Ratio Lower Upper
83 100
55 74.9 59.0 88.6
98 45.1 36.0 54.0





#37

1,2-Dichloropropane

Concen: 52.235 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052021.D

Acq: 22 Nov 2022 02:17

Instrument :

MSVOA_U

ClientSampleId :

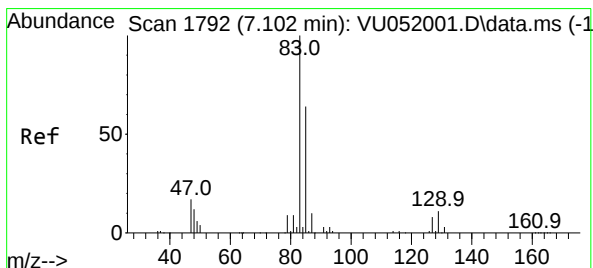
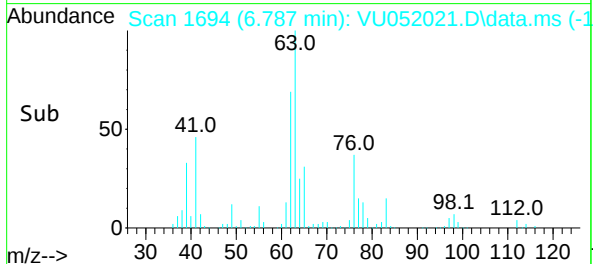
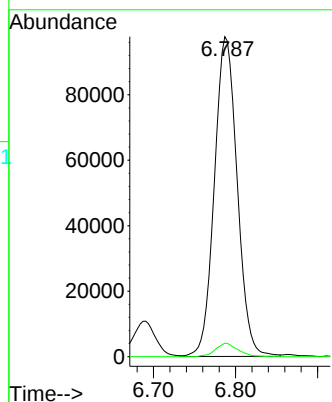
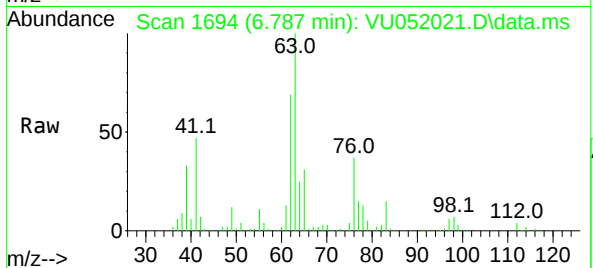
A4345MS

Tgt Ion: 63 Resp: 189270

Ion Ratio Lower Upper

63 100

112 4.1 3.0 4.6



#38

Bromodichloromethane

Concen: 51.910 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU052021.D

Acq: 22 Nov 2022 02:17

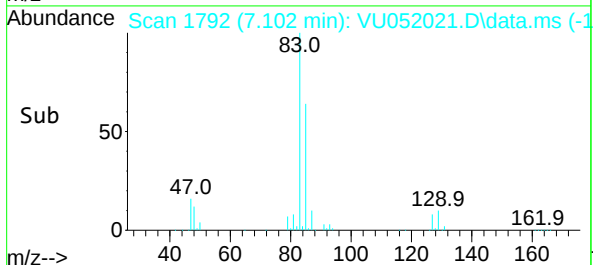
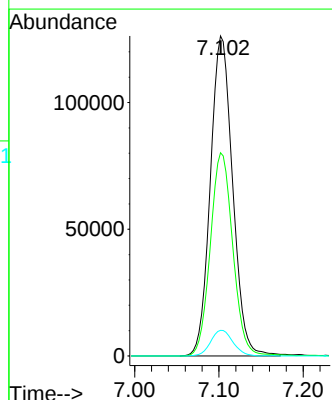
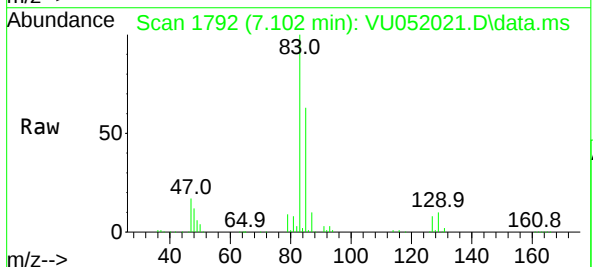
Tgt Ion: 83 Resp: 232232

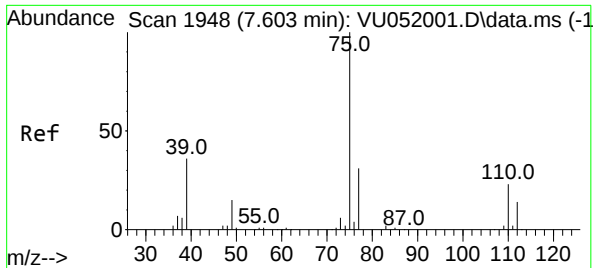
Ion Ratio Lower Upper

83 100

85 63.5 45.9 85.3

127 8.0 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 50.588 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU052021.D

Acq: 22 Nov 2022 02:17

Instrument :

MSVOA_U

ClientSampleId :

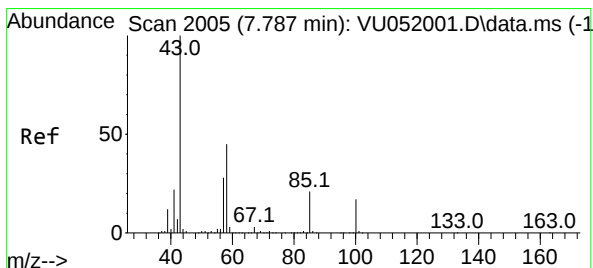
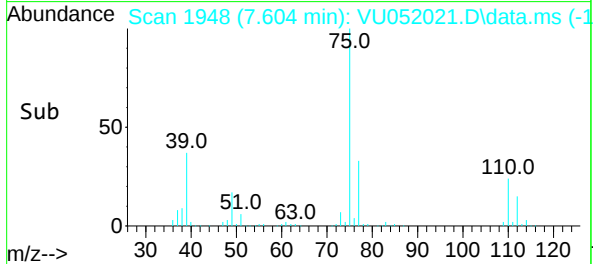
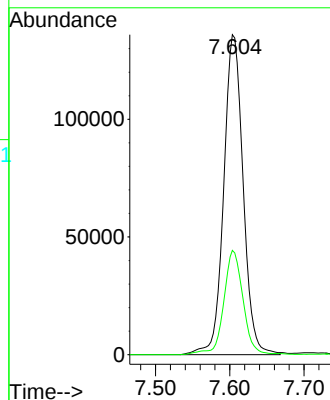
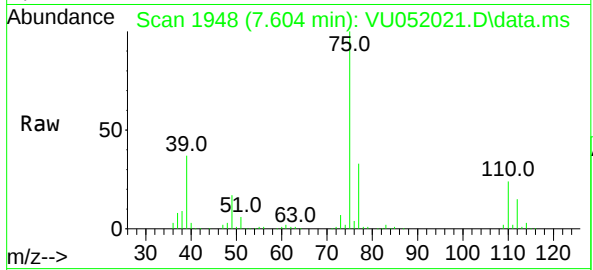
A4345MS

Tgt Ion: 75 Resp: 247870

Ion Ratio Lower Upper

75 100

77 32.6 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 110.660 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU052021.D

Acq: 22 Nov 2022 02:17

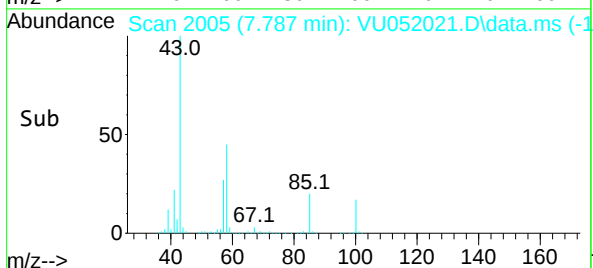
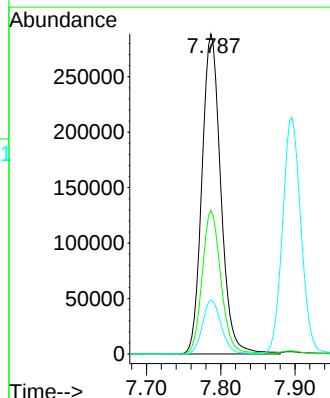
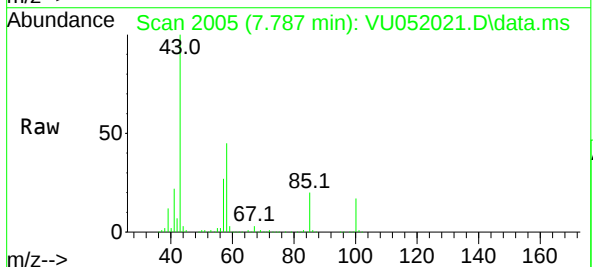
Tgt Ion: 43 Resp: 509990

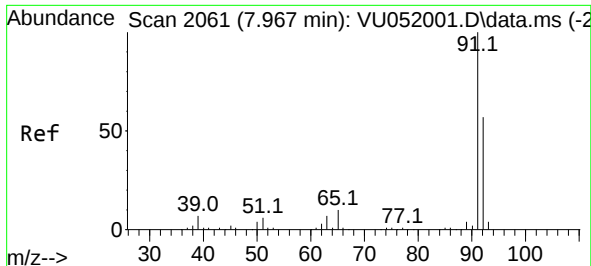
Ion Ratio Lower Upper

43 100

58 44.4 35.8 53.6

100 16.7 13.5 20.3





#42

Toluene

Concen: 53.141 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052021.D

Acq: 22 Nov 2022 02:17

Instrument :

MSVOA_U

ClientSampleId :

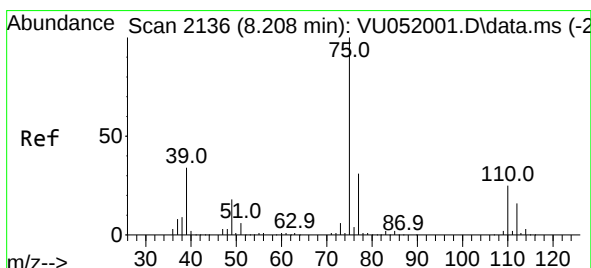
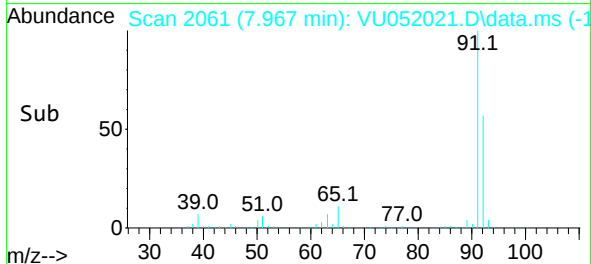
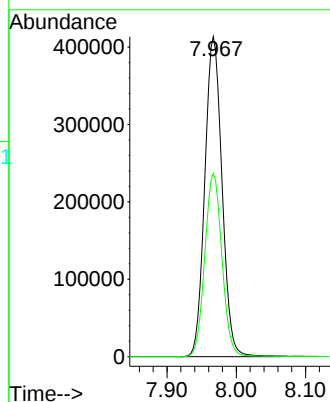
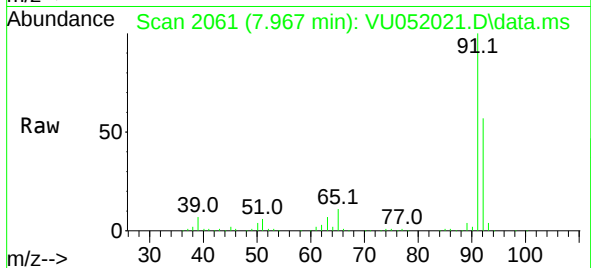
A4345MS

Tgt Ion: 91 Resp: 712237

Ion Ratio Lower Upper

91 100

92 57.3 39.2 72.8



#44

trans-1,3-Dichloropropene

Concen: 51.743 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU052021.D

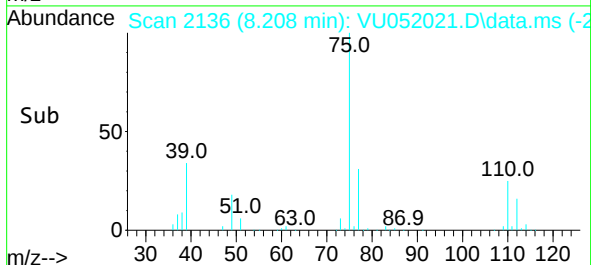
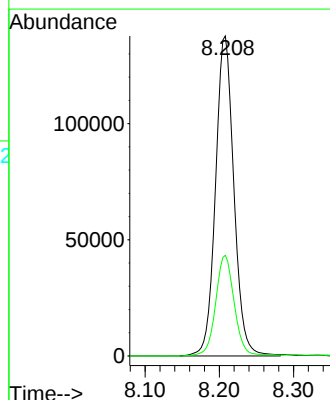
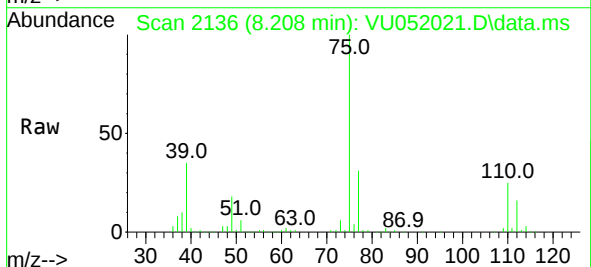
Acq: 22 Nov 2022 02:17

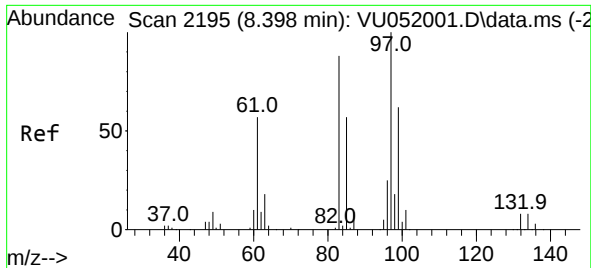
Tgt Ion: 75 Resp: 237141

Ion Ratio Lower Upper

75 100

77 31.5 22.7 42.1



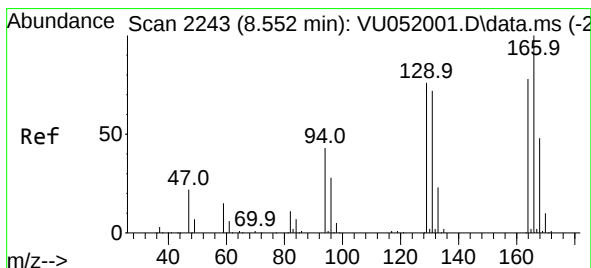
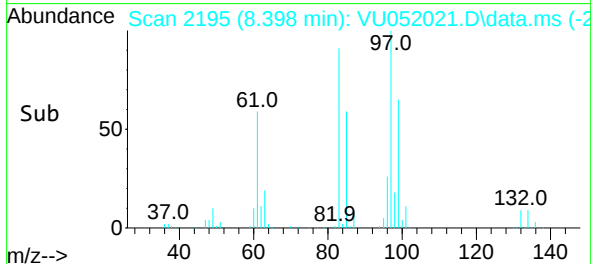
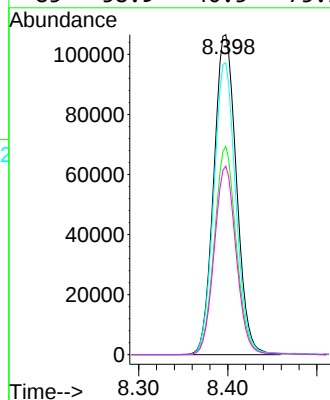
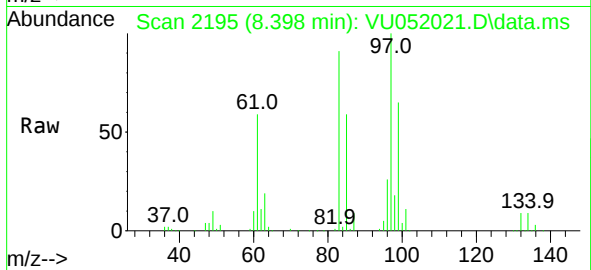


#45
1,1,2-Trichloroethane
Concen: 52.741 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

Instrument :
MSVOA_U
ClientSampleId :
A4345MS

Tgt Ion: 97 Resp: 188389

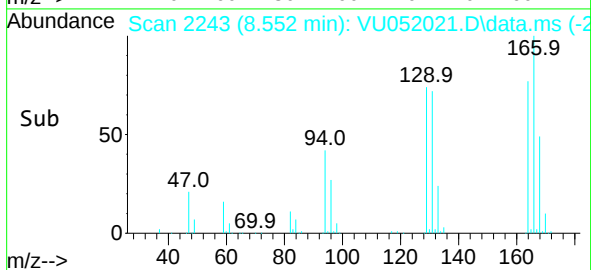
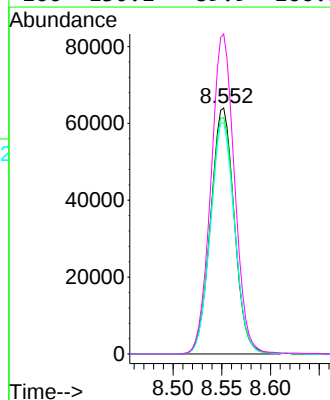
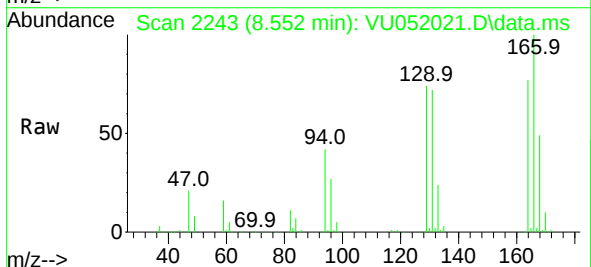
Ion	Ratio	Lower	Upper
97	100		
99	65.1	44.4	82.4
83	91.1	63.2	117.4
85	58.9	40.5	75.3

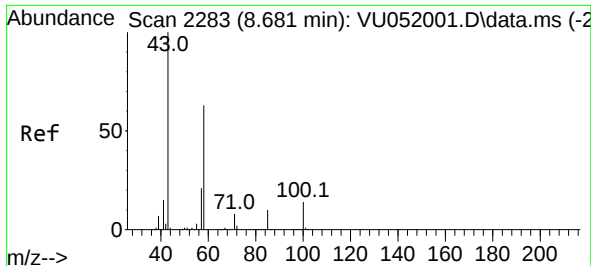


#46
Tetrachloroethene
Concen: 47.373 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

Tgt Ion: 164 Resp: 108158

Ion	Ratio	Lower	Upper
164	100		
129	96.1	67.3	124.9
131	94.1	65.2	121.2
166	130.1	89.9	166.9

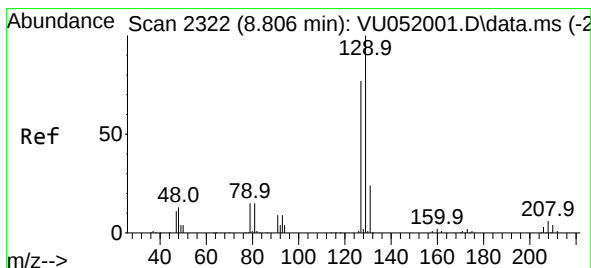
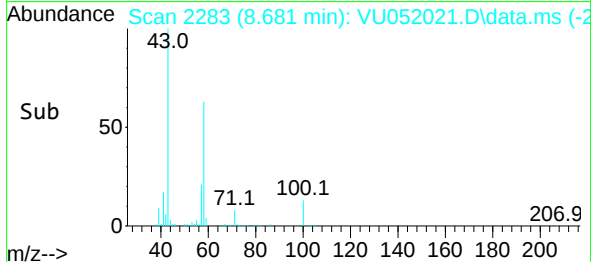
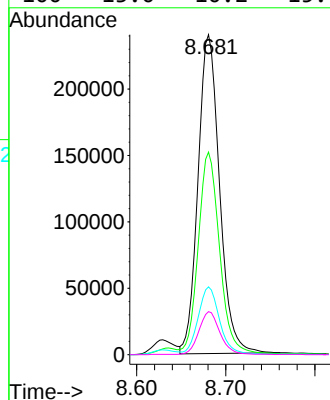
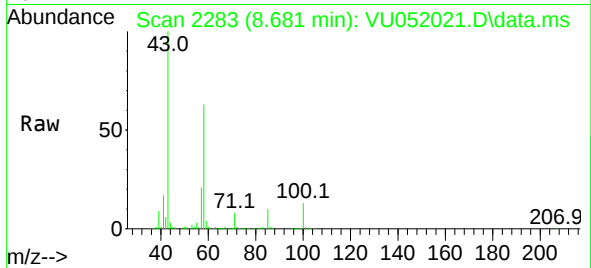




#48
2-Hexanone
Concen: 106.180 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

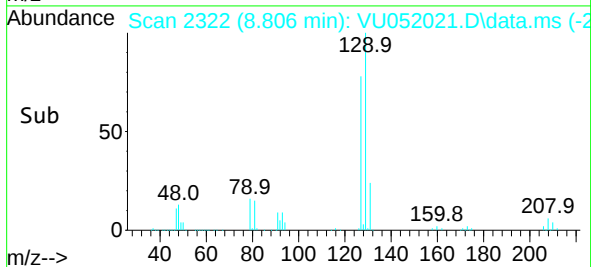
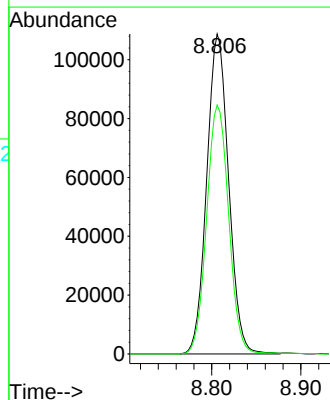
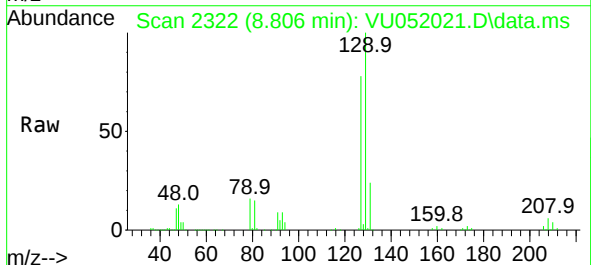
Instrument :
MSVOA_U
ClientSampleId :
A4345MS

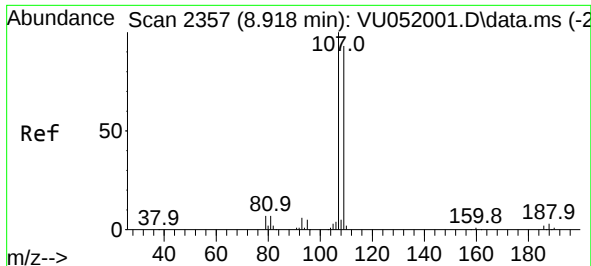
Tgt Ion: 43 Resp: 404946
Ion Ratio Lower Upper
43 100
58 62.6 49.6 74.4
57 20.9 16.8 25.2
100 13.0 10.2 15.4



#49
Dibromochloromethane
Concen: 51.158 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

Tgt Ion: 129 Resp: 185711
Ion Ratio Lower Upper
129 100
127 77.8 54.5 101.1

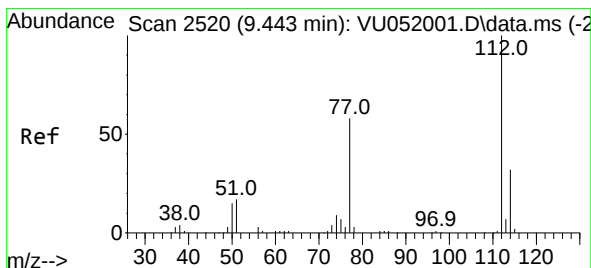
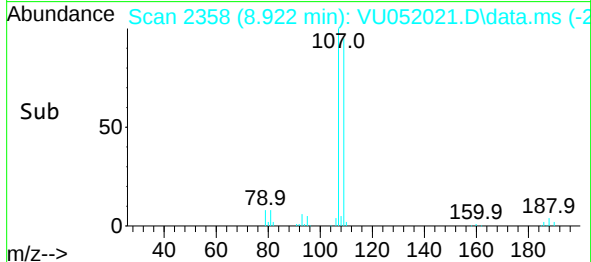
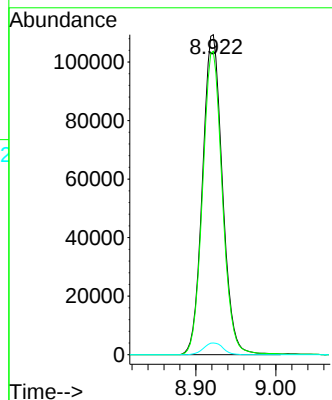
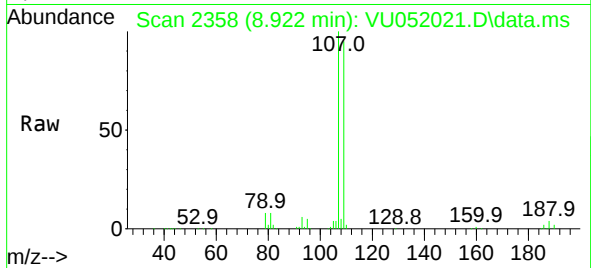




#50
1,2-Dibromoethane
Concen: 52.779 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

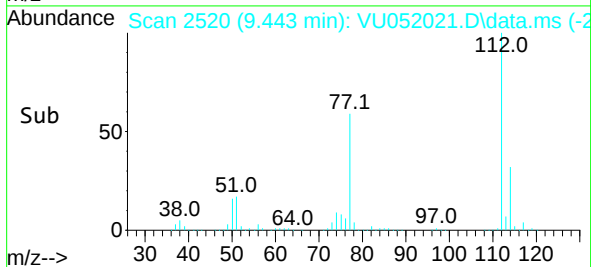
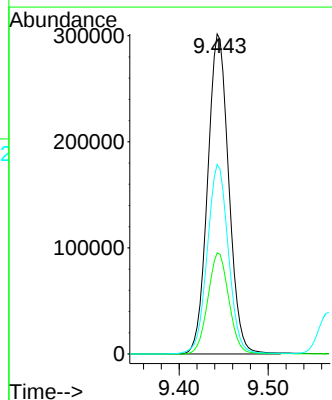
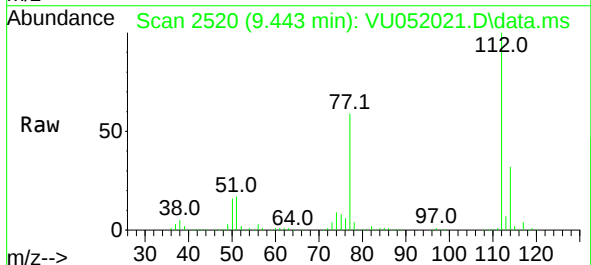
Instrument :
MSVOA_U
ClientSampleId :
A4345MS

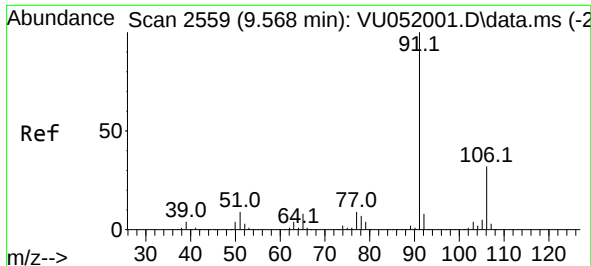
Tgt Ion:107 Resp: 189350
Ion Ratio Lower Upper
107 100
109 94.8 66.6 123.8
188 3.7 2.9 4.3



#51
Chlorobenzene
Concen: 56.180 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

Tgt Ion:112 Resp: 495415
Ion Ratio Lower Upper
112 100
114 31.6 22.2 41.2
77 59.2 46.5 69.7

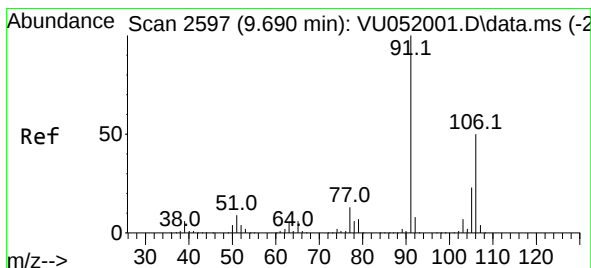
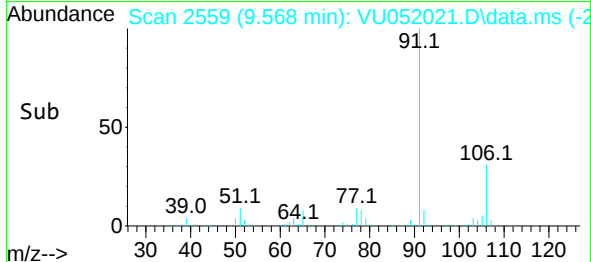
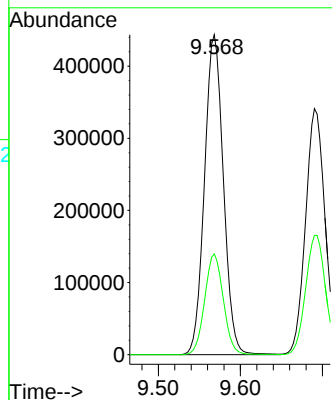
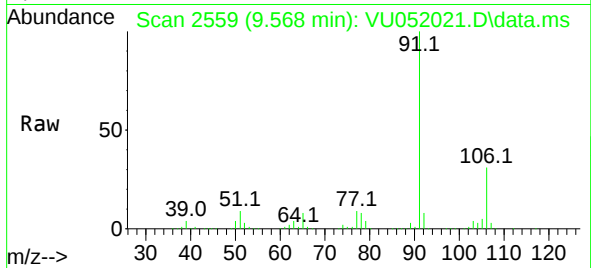




#52
Ethylbenzene
Concen: 52.057 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

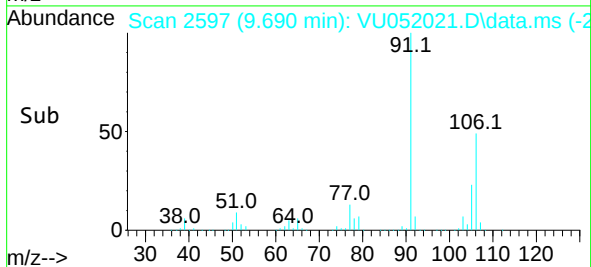
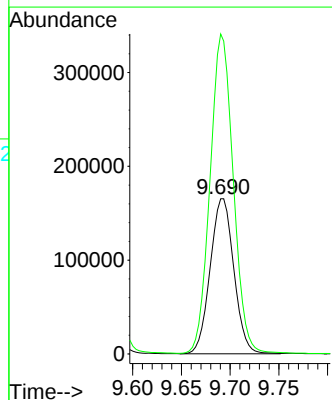
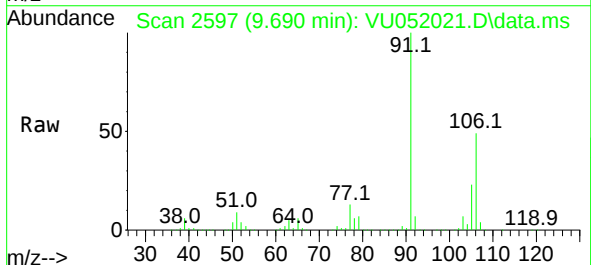
Instrument :
MSVOA_U
ClientSampleId :
A4345MS

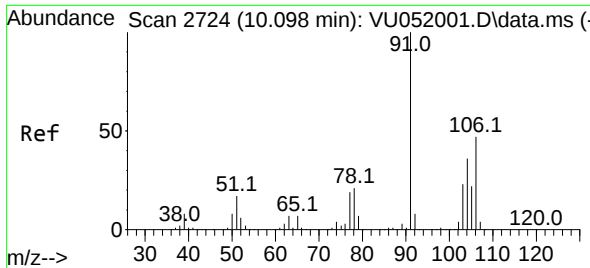
Tgt Ion: 91 Resp: 710399
Ion Ratio Lower Upper
91 100
106 31.5 21.2 39.4



#53
m,p-Xylene
Concen: 52.918 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

Tgt Ion: 106 Resp: 279020
Ion Ratio Lower Upper
106 100
91 206.1 140.3 260.6

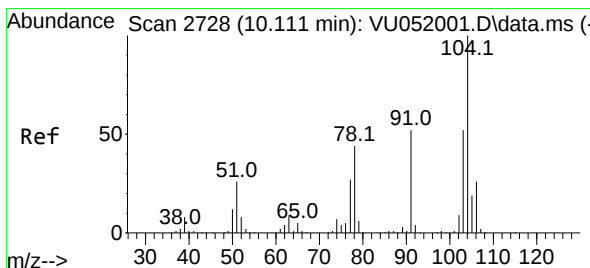
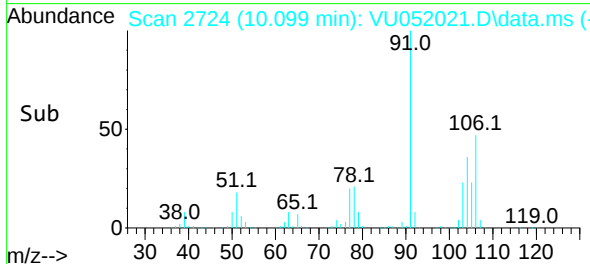
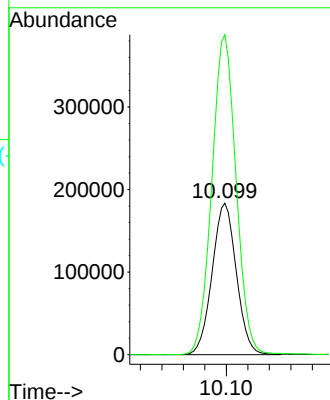
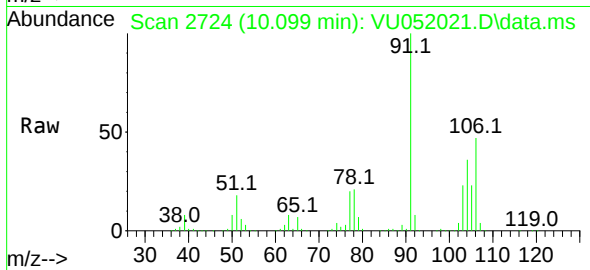




#54
o-Xylene
Concen: 53.727 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

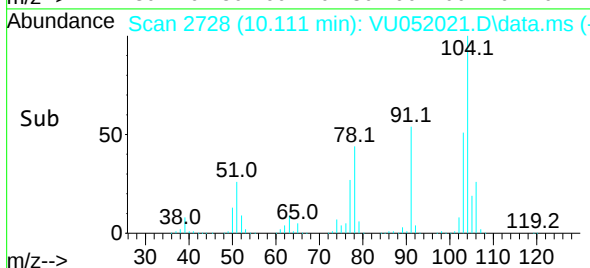
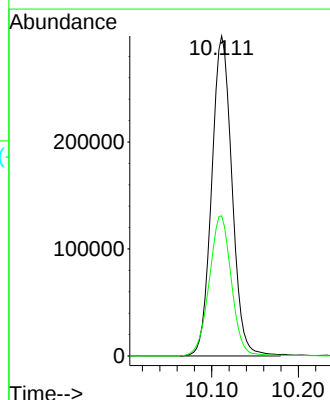
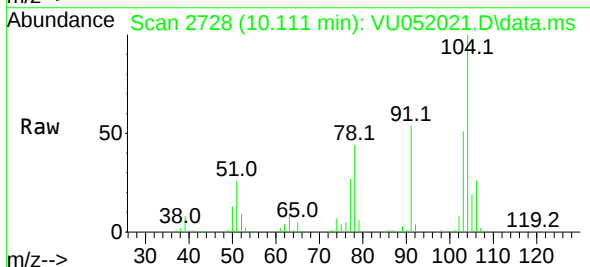
Instrument :
MSVOA_U
ClientSampleId :
A4345MS

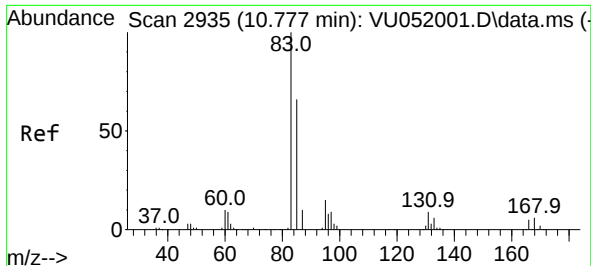
Tgt Ion:106 Resp: 286629
Ion Ratio Lower Upper
106 100
91 211.2 146.7 272.4



#55
Styrene
Concen: 53.902 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

Tgt Ion:104 Resp: 487169
Ion Ratio Lower Upper
104 100
78 43.8 31.2 58.0

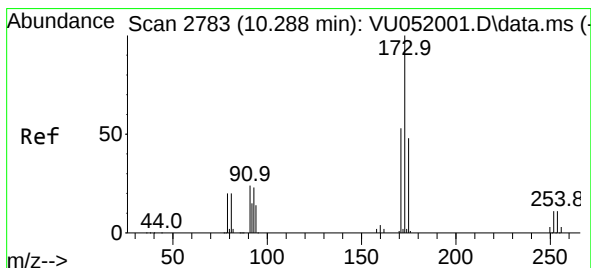
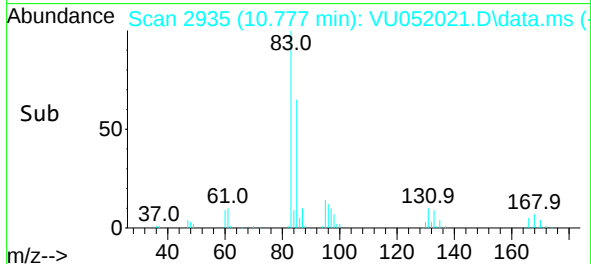
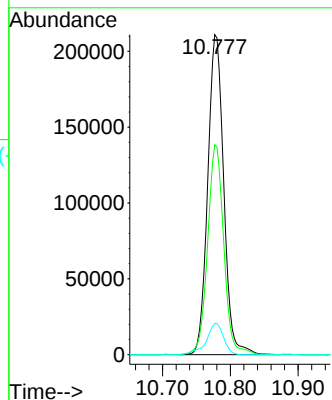
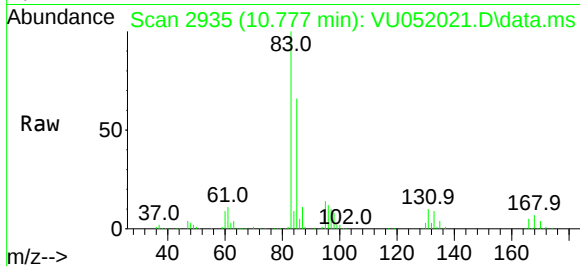




#57
1,1,2,2-Tetrachloroethane
Concen: 53.180 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

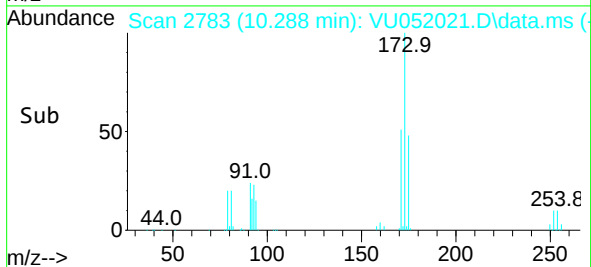
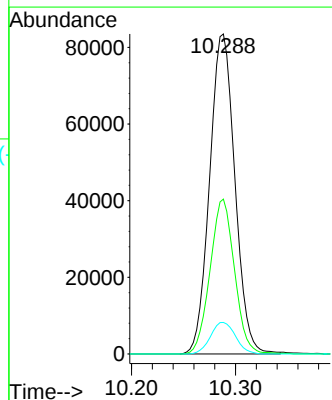
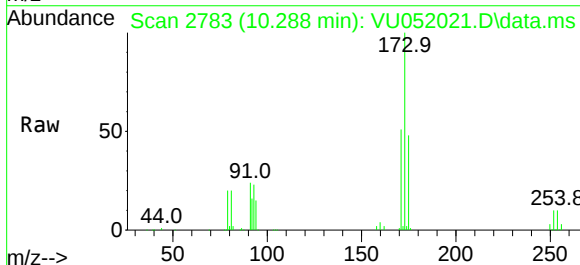
Instrument :
MSVOA_U
ClientSampleId :
A4345MS

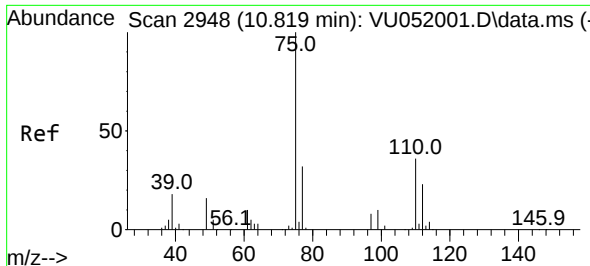
Tgt Ion: 83 Resp: 345675
Ion Ratio Lower Upper
83 100
85 65.6 45.4 84.2
131 9.7 7.3 10.9



#59
Bromoform
Concen: 50.234 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

Tgt Ion: 173 Resp: 141198
Ion Ratio Lower Upper
173 100
175 46.7 39.8 59.6
254 9.8 7.5 11.3

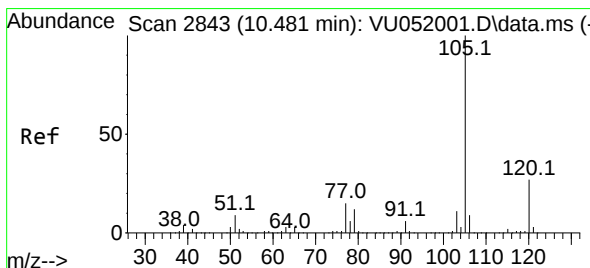
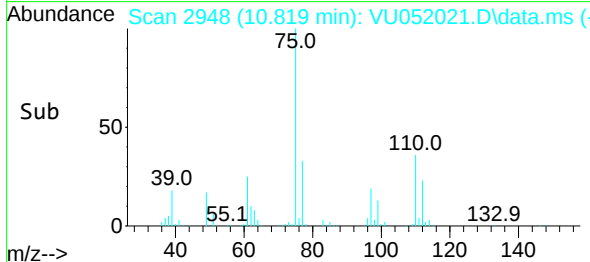
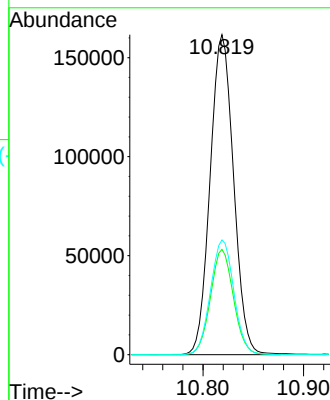
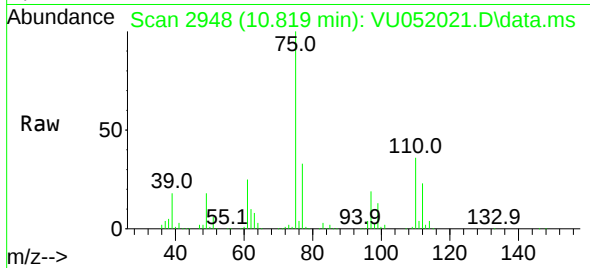




#60
1,2,3-Trichloropropane
Concen: 51.974 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

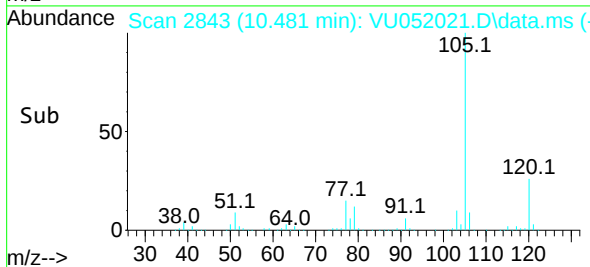
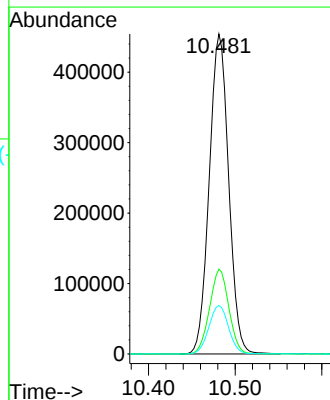
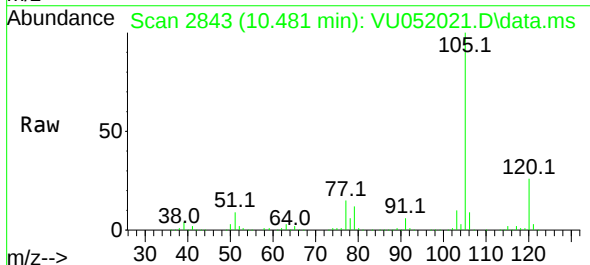
Instrument :
MSVOA_U
ClientSampleId :
A4345MS

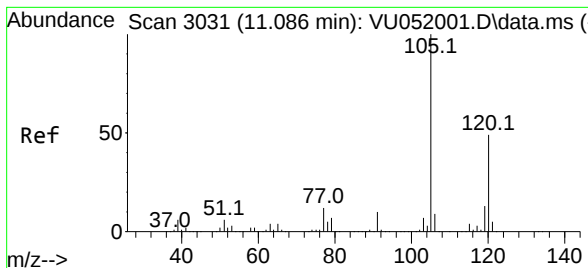
Tgt Ion: 75 Resp: 261924
Ion Ratio Lower Upper
75 100
77 32.4 26.0 39.0
110 35.7 29.0 43.4



#61
Isopropylbenzene
Concen: 53.415 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

Tgt Ion: 105 Resp: 707361
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: 52.738 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU052021.D

Acq: 22 Nov 2022 02:17

Instrument :

MSVOA_U

ClientSampleId :

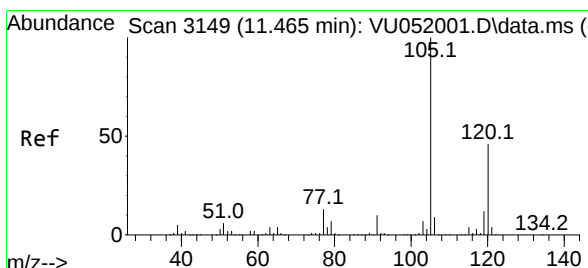
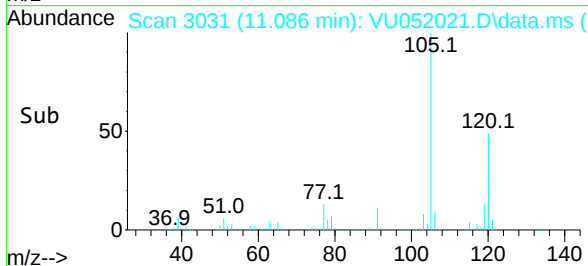
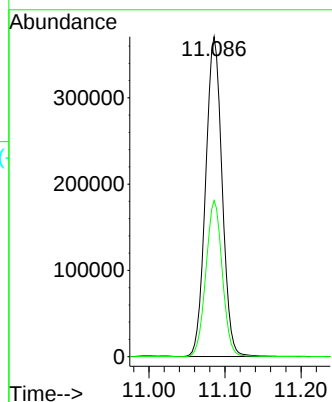
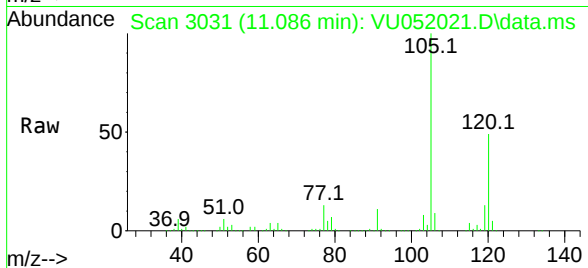
A4345MS

Tgt Ion:105 Resp: 557986

Ion Ratio Lower Upper

105 100

120 48.7 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 53.929 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU052021.D

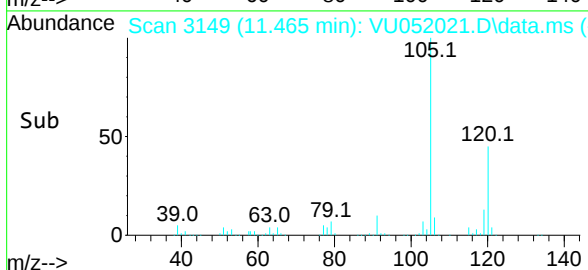
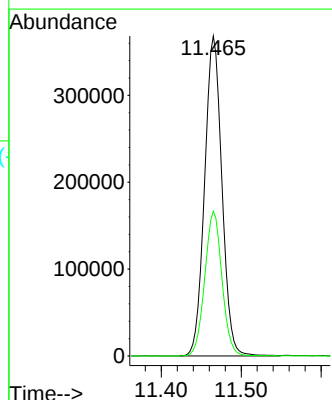
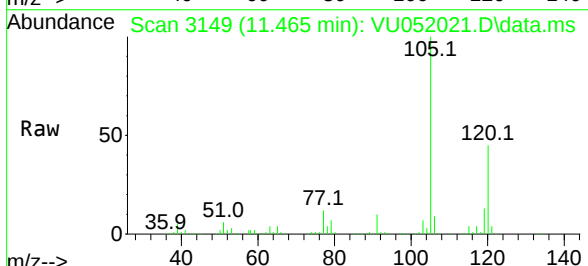
Acq: 22 Nov 2022 02:17

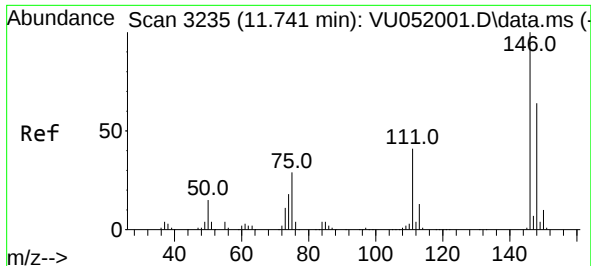
Tgt Ion:105 Resp: 556038

Ion Ratio Lower Upper

105 100

120 44.9 36.1 54.1

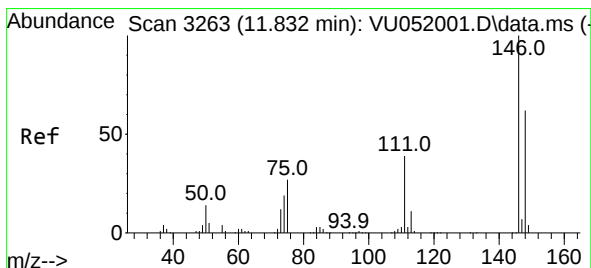
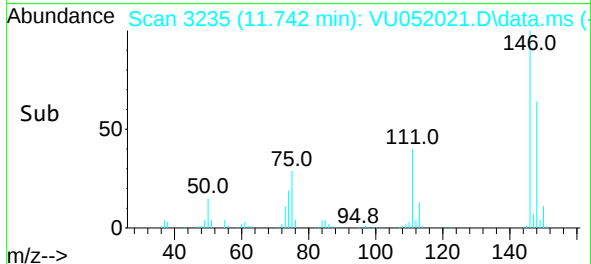
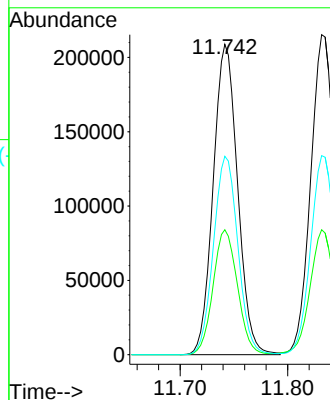
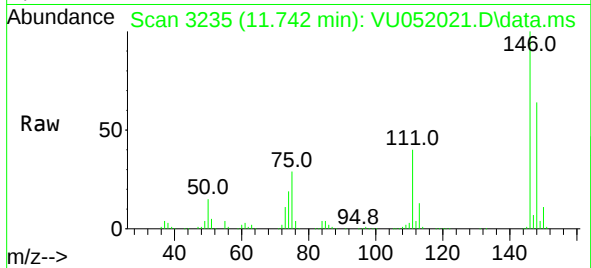




#64
1,3-Dichlorobenzene
Concen: 51.337 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

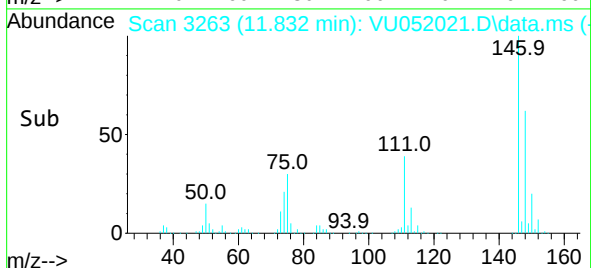
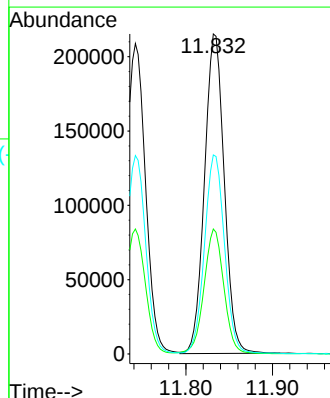
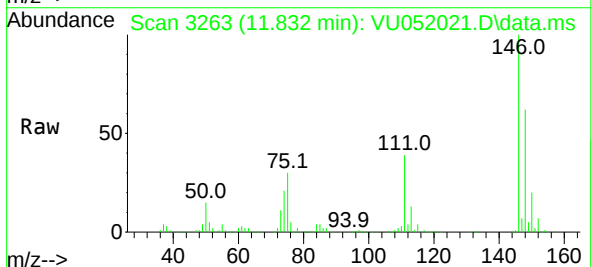
Instrument :
MSVOA_U
ClientSampleId :
A4345MS

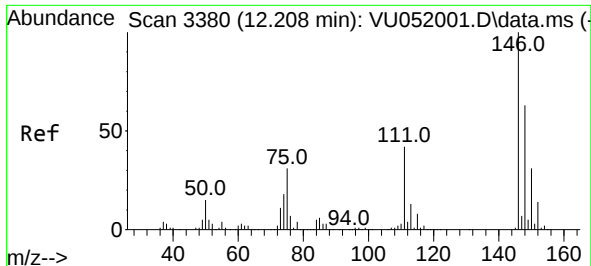
Tgt Ion:146 Resp: 329565
Ion Ratio Lower Upper
146 100
111 40.3 27.5 51.1
148 63.9 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 52.103 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

Tgt Ion:146 Resp: 340813
Ion Ratio Lower Upper
146 100
111 39.0 27.6 51.2
148 62.2 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 54.174 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052021.D

Acq: 22 Nov 2022 02:17

Instrument :

MSVOA_U

ClientSampleId :

A4345MS

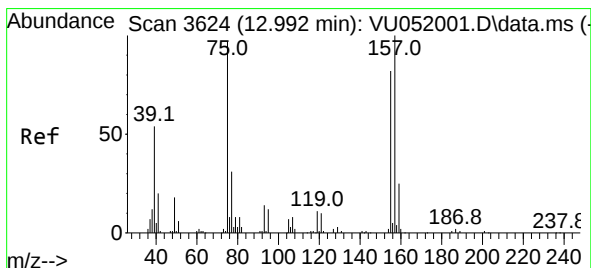
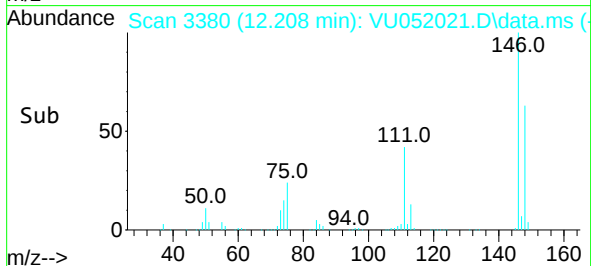
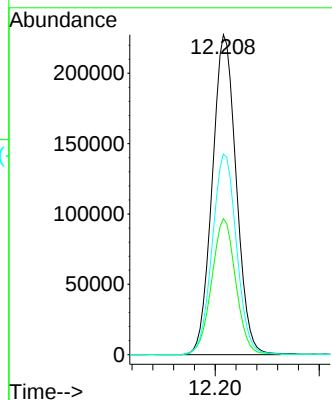
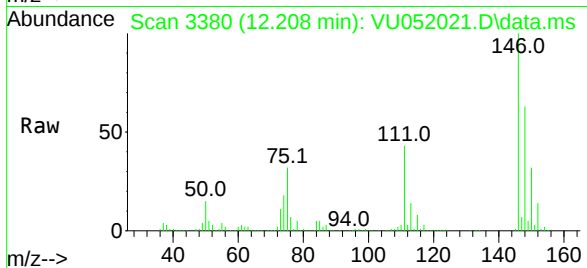
Tgt Ion:146 Resp: 364384

Ion Ratio Lower Upper

146 100

111 42.5 34.2 51.4

148 62.8 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 51.021 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU052021.D

Acq: 22 Nov 2022 02:17

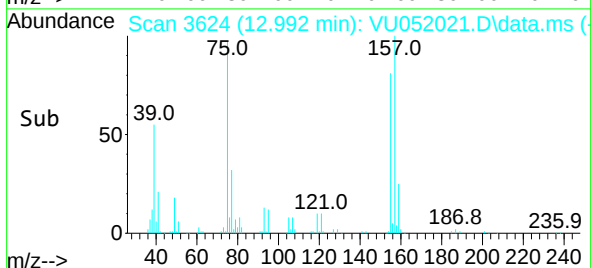
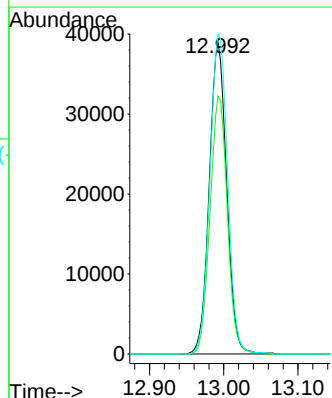
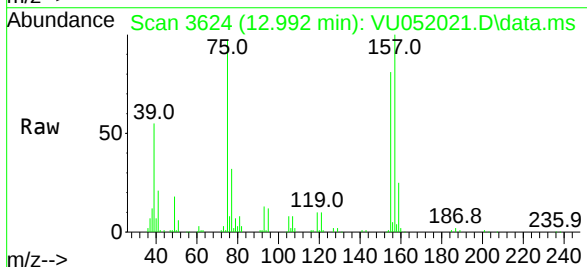
Tgt Ion: 75 Resp: 63347

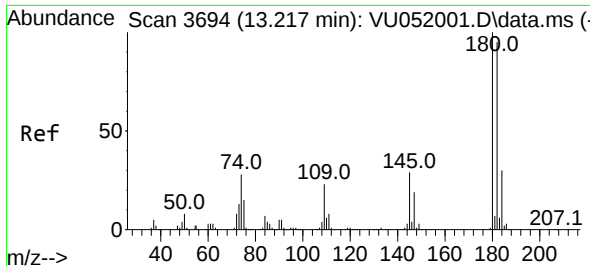
Ion Ratio Lower Upper

75 100

155 82.9 66.3 99.5

157 102.9 82.8 124.2





#69

1,3,5-Trichlorobenzene

Concen: 48.508 ug/L

RT: 13.214 min Scan# 3694

Delta R.T. -0.003 min

Lab File: VU052021.D

Acq: 22 Nov 2022 02:17

Instrument :

MSVOA_U

ClientSampleId :

A4345MS

Tgt Ion:180 Resp: 207891

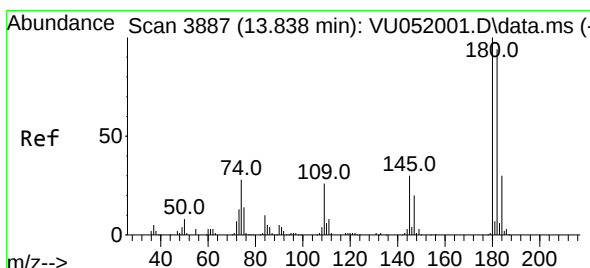
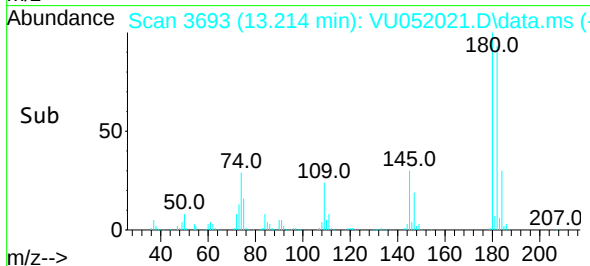
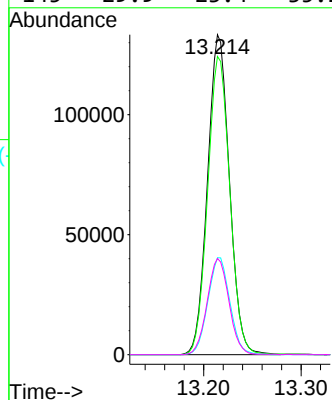
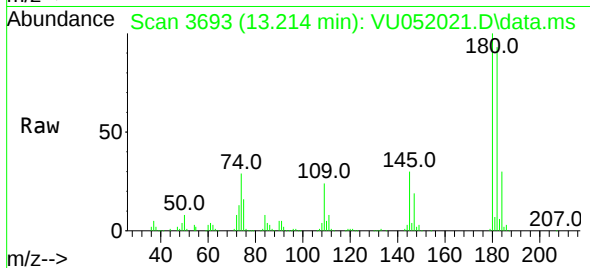
Ion Ratio Lower Upper

180 100

182 94.4 77.2 115.8

184 30.4 24.6 36.8

145 29.9 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 49.221 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.000 min

Lab File: VU052021.D

Acq: 22 Nov 2022 02:17

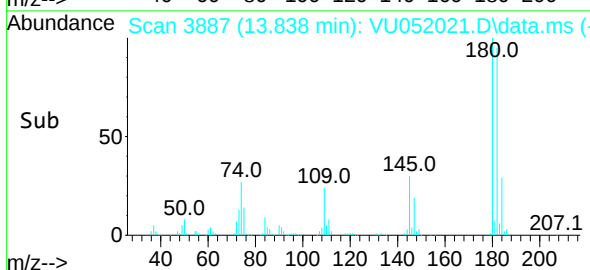
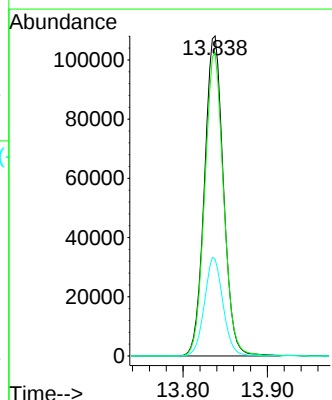
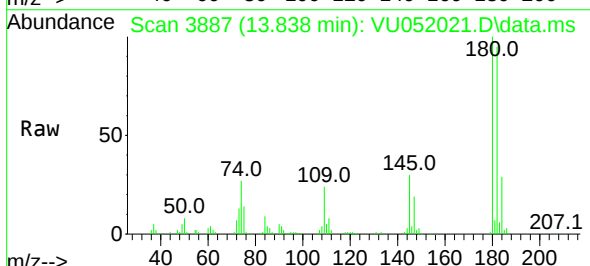
Tgt Ion:180 Resp: 169451

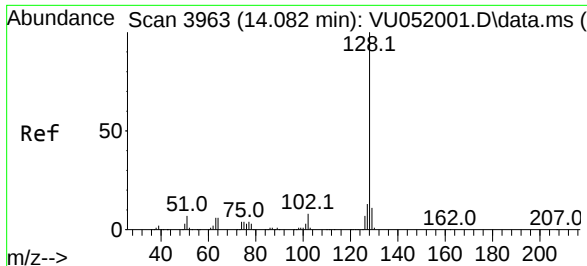
Ion Ratio Lower Upper

180 100

182 94.5 75.4 113.2

145 30.1 23.4 35.0

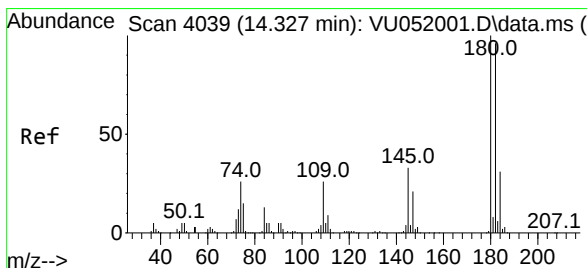
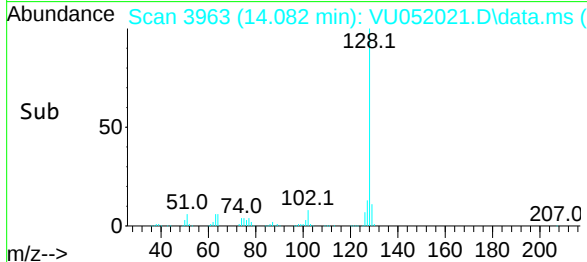
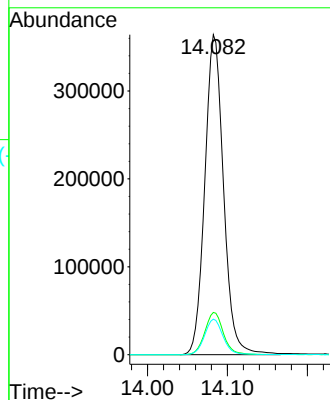
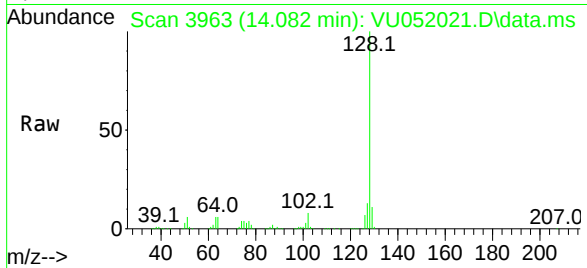




#71
Naphthalene
Concen: 53.033 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

Instrument :
MSVOA_U
ClientSampleId :
A4345MS

Tgt Ion:128 Resp: 594398
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 51.278 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.000 min
Lab File: VU052021.D
Acq: 22 Nov 2022 02:17

Tgt Ion:180 Resp: 191253
Ion Ratio Lower Upper
180 100
182 95.9 76.1 114.1
145 32.6 25.8 38.6

