

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112122\
 Data File : VU052001.D
 Acq On : 21 Nov 2022 16:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 22 00:58:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 22 00:50:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	551864	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	531036	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	268506	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	225031	47.055	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.120%
7) Chloroethane-d5	1.906	69	179749	47.460	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.920%
11) 1,1-Dichloroethene-d2	2.565	63	336717	47.500	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.000%
21) 2-Butanone-d5	4.616	46	281182	97.843	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.840%
24) Chloroform-d	5.060	84	363526	46.395	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.780%
26) 1,2-Dichloroethane-d4	5.700	65	215410	45.710	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.420%
32) Benzene-d6	5.726	84	775250	48.978	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.960%
36) 1,2-Dichloropropane-d6	6.687	67	244339	48.050	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.100%
41) Toluene-d8	7.896	98	712326	50.369	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.740%
43) trans-1,3-Dichloroprop...	8.176	79	106376	49.141	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.280%
47) 2-Hexanone-d5	8.629	63	206922	104.314	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.310%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	377656	46.944	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.880%
66) 1,2-Dichlorobenzene-d4	12.192	152	262971	47.360	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	144489	48.773	ug/L	99
3) Chloromethane	1.526	50	191244	45.045	ug/L	98
5) Vinyl chloride	1.604	62	202718	46.504	ug/L	98
6) Bromomethane	1.845	94	100933	46.131	ug/L	97
8) Chloroethane	1.928	64	130592	45.687	ug/L	99
9) Trichlorofluoromethane	2.134	101	249998	47.974	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	162083	48.441	ug/L	99
12) 1,1-Dichloroethene	2.578	96	150680	47.154	ug/L	97
13) Acetone	2.623	43	190203	72.452	ug/L	99
14) Carbon disulfide	2.790	76	385539	47.713	ug/L	99
15) Methyl Acetate	2.944	43	202463	48.307	ug/L	99
16) Methylene chloride	3.044	84	217409	44.671	ug/L	99
17) trans-1,2-Dichloroethene	3.353	96	160451	47.192	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	537918	48.709	ug/L	100
19) 1,1-Dichloroethane	3.867	63	325517	46.537	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	194437	47.633	ug/L	99
22) 2-Butanone	4.697	43	290219	88.665	ug/L	99
23) Bromochloromethane	4.970	128	102243	46.532	ug/L	98
25) Chloroform	5.086	83	338172	46.854	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112122\
 Data File : VU052001.D
 Acq On : 21 Nov 2022 16:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

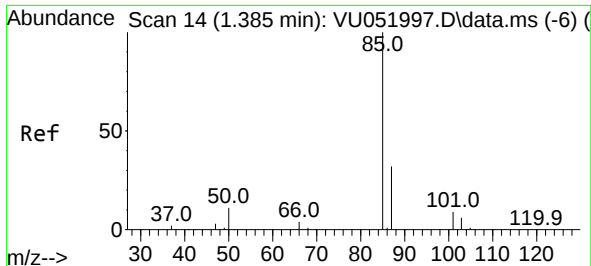
Quant Time: Nov 22 00:58:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 22 00:50:51 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	250769	46.313	ug/L	99
29) Cyclohexane	5.385	56	252256	54.169	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	263637	48.412	ug/L	98
31) Carbon tetrachloride	5.523	117	215514	48.881	ug/L	99
33) Benzene	5.771	78	765416	48.654	ug/L	100
34) Trichloroethene	6.539	95	177671	48.403	ug/L	98
35) Methylcyclohexane	6.761	83	274221	54.509	ug/L	99
37) 1,2-Dichloropropane	6.787	63	207178	47.140	ug/L	99
38) Bromodichloromethane	7.102	83	258289	47.600	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	288708	48.579	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	570389	102.040	ug/L	100
42) Toluene	7.967	91	816601	50.233	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	273004	49.112	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	210253	48.529	ug/L	98
46) Tetrachloroethene	8.552	164	135446	48.912	ug/L	99
48) 2-Hexanone	8.681	43	461794	99.831	ug/L	99
49) Dibromochloromethane	8.806	129	210711	47.856	ug/L	99
50) 1,2-Dibromoethane	8.918	107	212694	48.879	ug/L	98
51) Chlorobenzene	9.443	112	518922	48.516	ug/L	100
52) Ethylbenzene	9.568	91	846957	51.169	ug/L	98
53) m,p-Xylene	9.690	106	334350	52.281	ug/L	99
54) o-Xylene	10.098	106	337787	52.202	ug/L	97
55) Styrene	10.111	104	580507	52.954	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	378120	47.960	ug/L	99
59) Bromoform	10.288	173	159539	45.878	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	286450	45.944	ug/L	100
61) Isopropylbenzene	10.481	105	837227	51.101	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	703725	53.761	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	688313	53.959	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	394626	49.687	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	396016	48.935	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	412506	49.571	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	73638	47.939	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	269900	50.903	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	226354	53.144	ug/L	99
71) Naphthalene	14.082	128	843981	60.865	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	255475	55.365	ug/L	100

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

Quant Time: Nov 22 00:58:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 22 00:50:51 2022
Response via : Initial Calibration

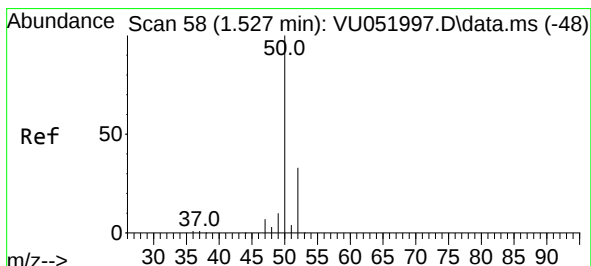
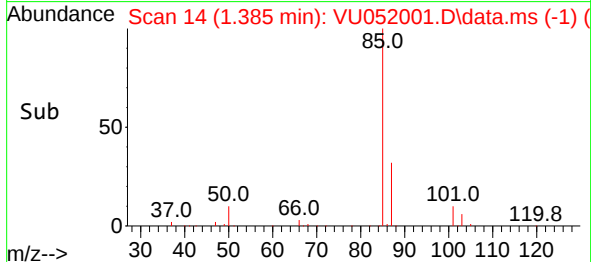
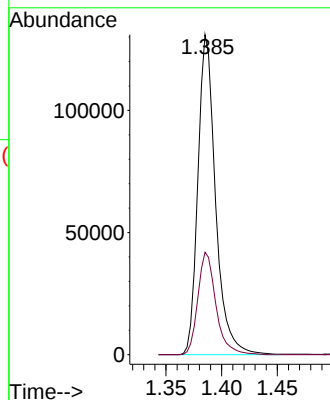
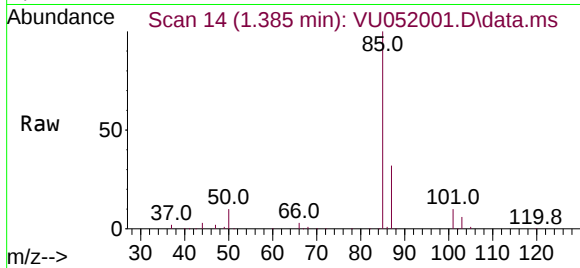




#2
Dichlorodifluoromethane
Concen: 48.773 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

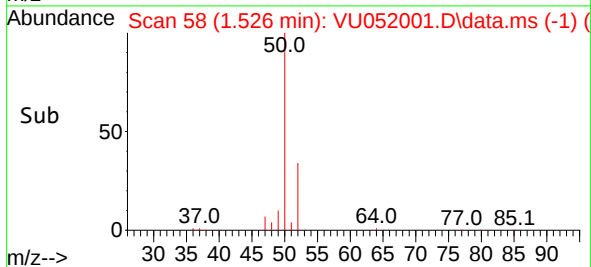
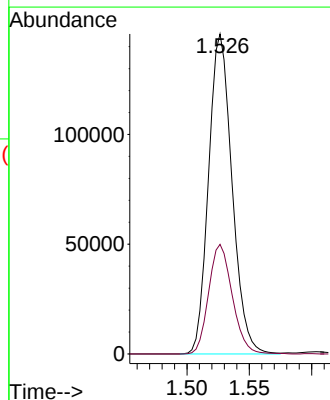
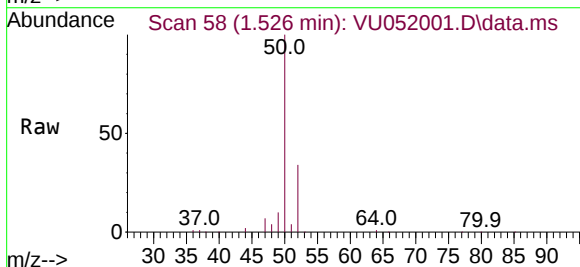
Instrument :
MSVOA_U
ClientSampleId :

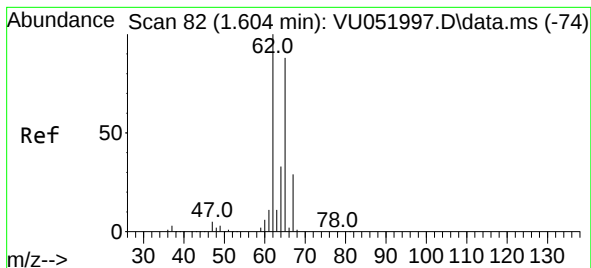
Tgt Ion: 85 Resp: 144489
Ion Ratio Lower Upper
85 100
87 32.8 25.9 38.9



#3
Chloromethane
Concen: 45.045 ug/L
RT: 1.526 min Scan# 58
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

Tgt Ion: 50 Resp: 191244
Ion Ratio Lower Upper
50 100
52 34.3 23.1 42.9





#5

Vinyl chloride

Concen: 46.504 ug/L

RT: 1.604 min Scan# 82

Delta R.T. -0.000 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

Instrument :

MSVOA_U

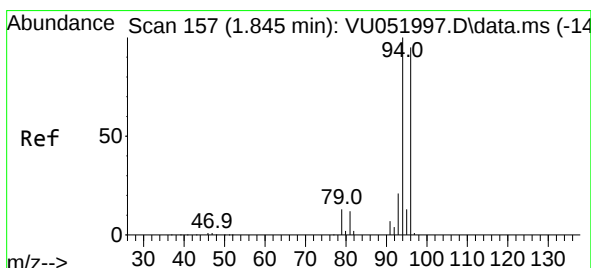
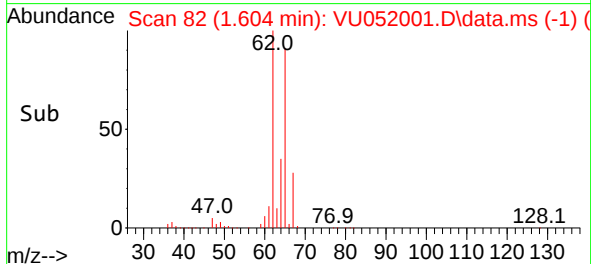
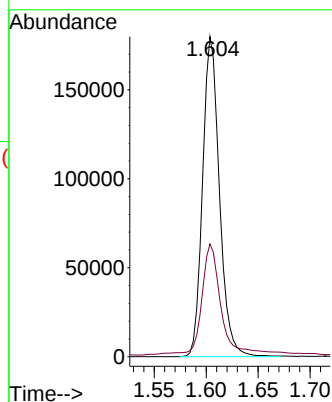
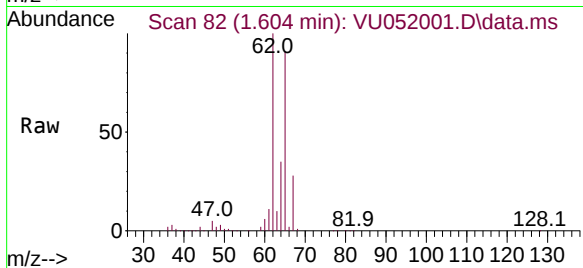
ClientSampleId :

Tgt Ion: 62 Resp: 202718

Ion Ratio Lower Upper

62 100

64 35.3 23.9 44.3



#6

Bromomethane

Concen: 46.131 ug/L

RT: 1.845 min Scan# 157

Delta R.T. -0.000 min

Lab File: VU052001.D

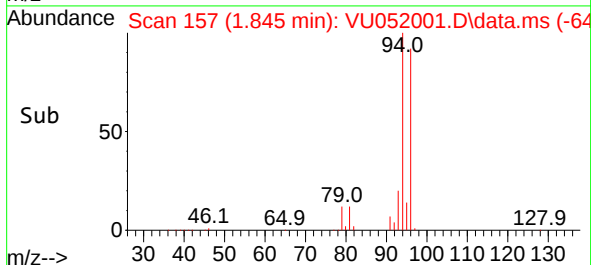
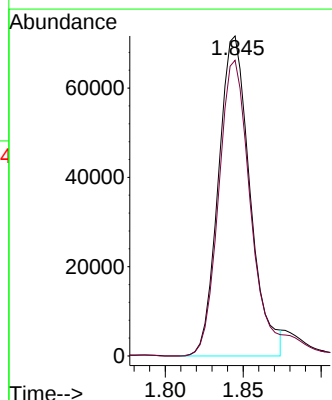
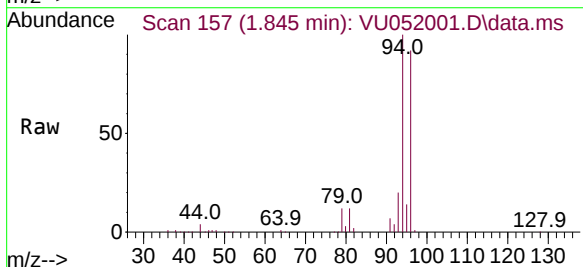
Acq: 21 Nov 2022 16:54

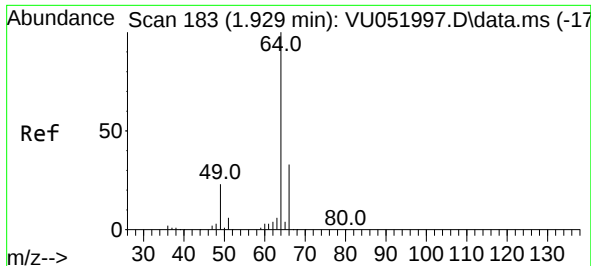
Tgt Ion: 94 Resp: 100933

Ion Ratio Lower Upper

94 100

96 92.4 66.8 124.0





#8

Chloroethane

Concen: 45.687 ug/L

RT: 1.928 min Scan# 183

Delta R.T. -0.000 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

Instrument :

MSVOA_U

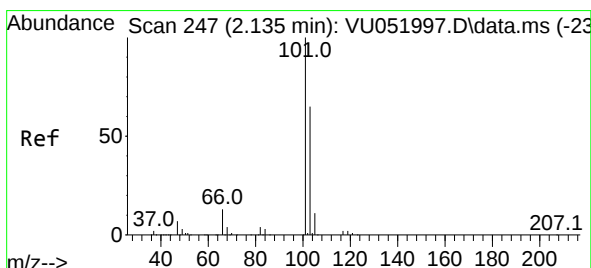
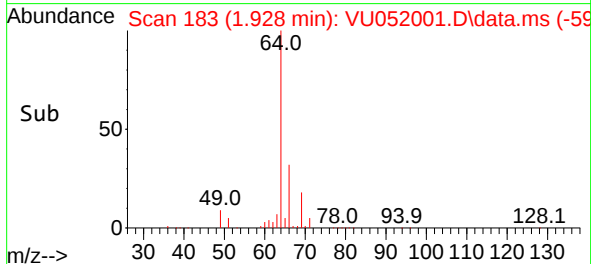
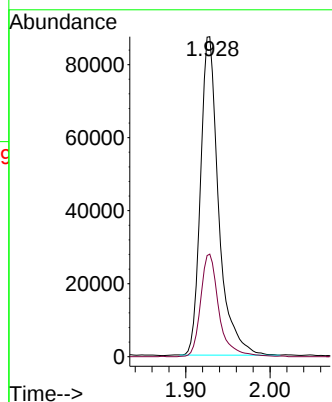
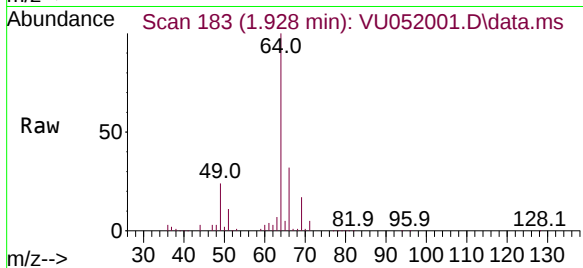
ClientSampleId :

Tgt Ion: 64 Resp: 130592

Ion Ratio Lower Upper

64 100

66 32.0 22.8 42.4



#9

Trichlorofluoromethane

Concen: 47.974 ug/L

RT: 2.134 min Scan# 247

Delta R.T. -0.000 min

Lab File: VU052001.D

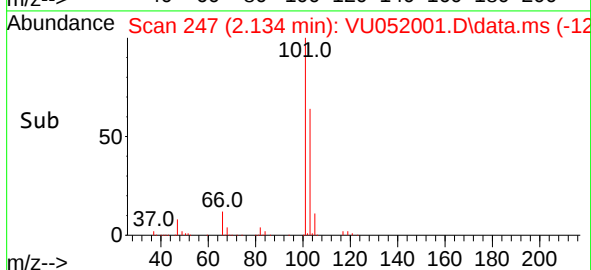
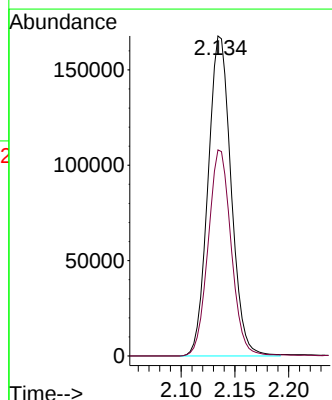
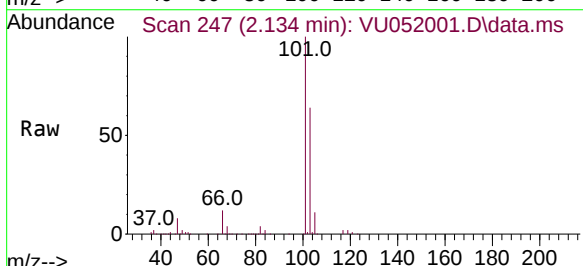
Acq: 21 Nov 2022 16:54

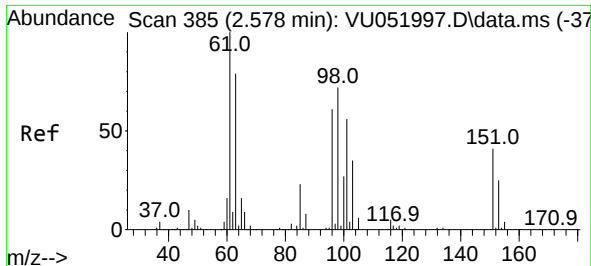
Tgt Ion:101 Resp: 249998

Ion Ratio Lower Upper

101 100

103 64.4 51.5 77.3





#10

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

Concen: 48.441 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

Instrument :

MSVOA_U

ClientSampleId :

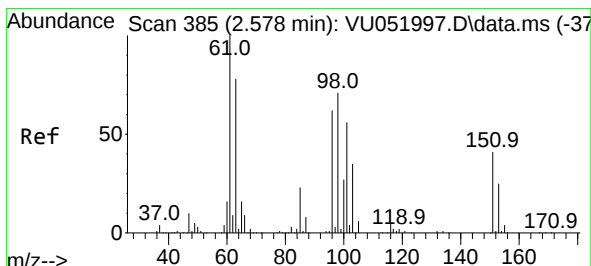
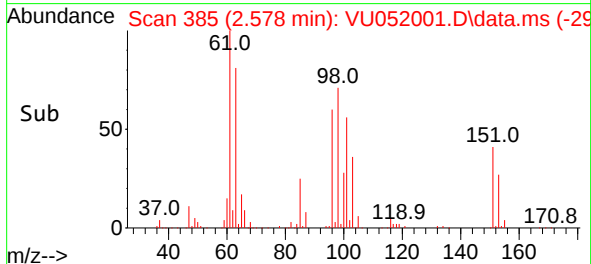
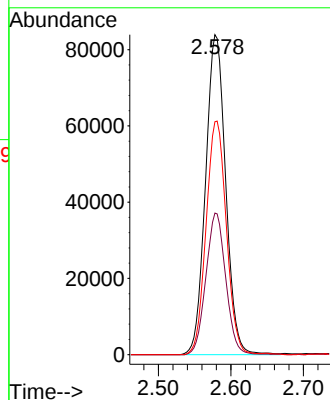
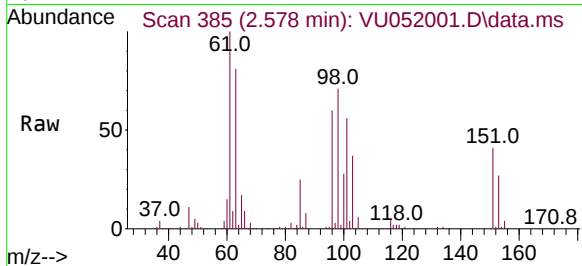
Tgt Ion:101 Resp: 162083

Ion Ratio Lower Upper

101 100

85 43.5 33.6 50.4

151 73.4 58.9 88.3



#12

1,1-Dichloroethene

Concen: 47.154 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

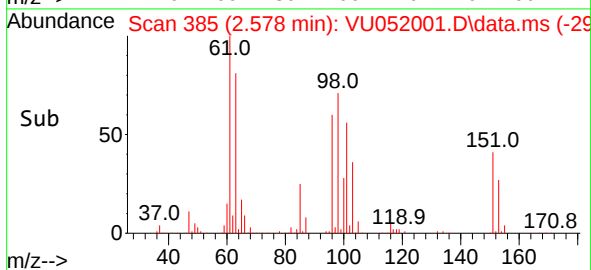
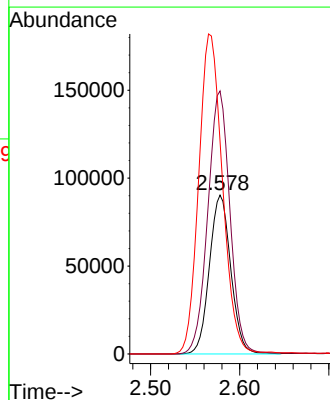
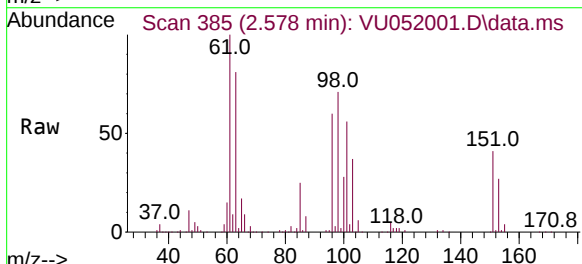
Tgt Ion: 96 Resp: 150680

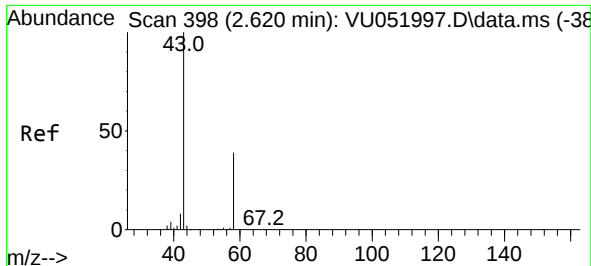
Ion Ratio Lower Upper

96 100

61 165.6 114.2 212.0

63 134.0 90.9 168.7





#13

Acetone

Concen: 72.452 ug/L

RT: 2.623 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

Instrument :

MSVOA_U

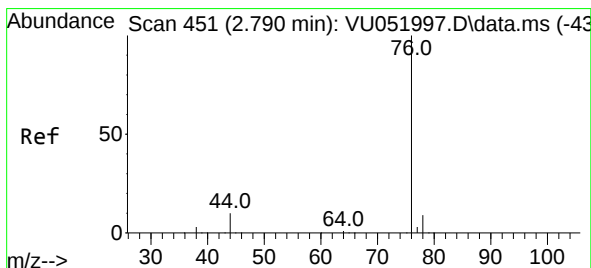
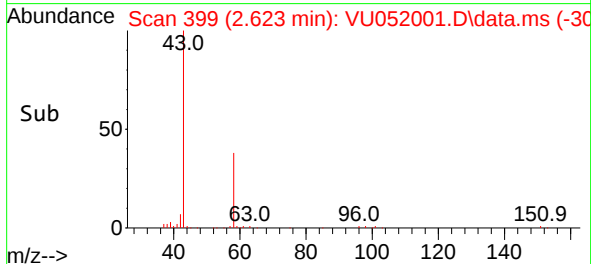
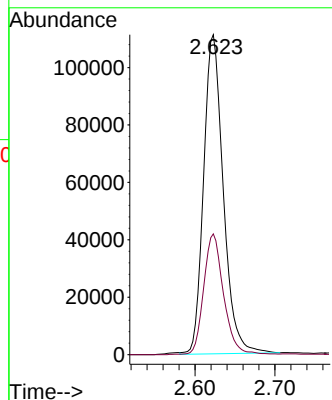
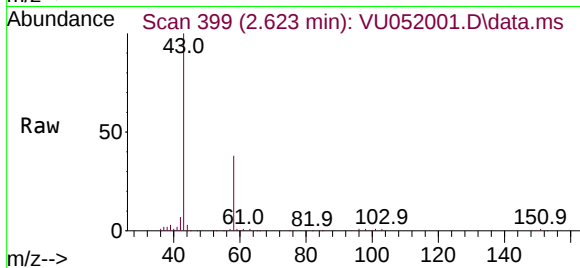
ClientSampleId :

Tgt Ion: 43 Resp: 190203

Ion Ratio Lower Upper

43 100

58 37.9 0.0 76.6



#14

Carbon disulfide

Concen: 47.713 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU052001.D

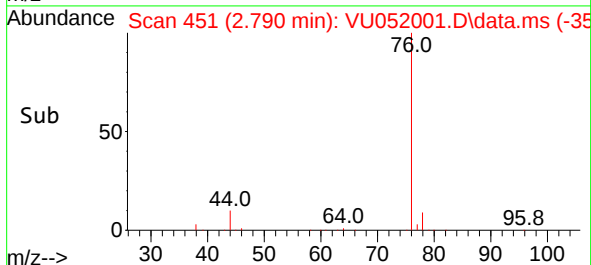
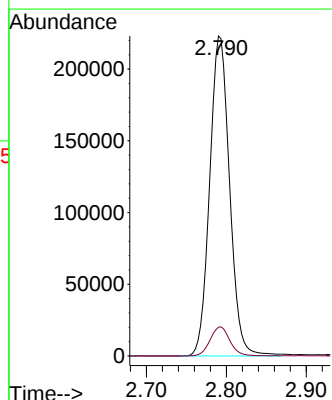
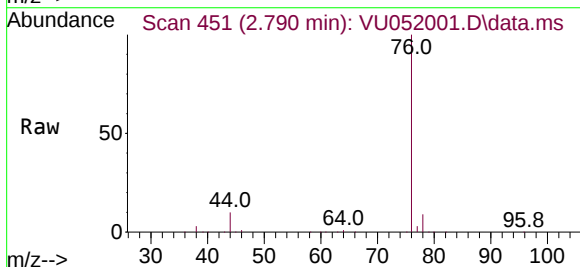
Acq: 21 Nov 2022 16:54

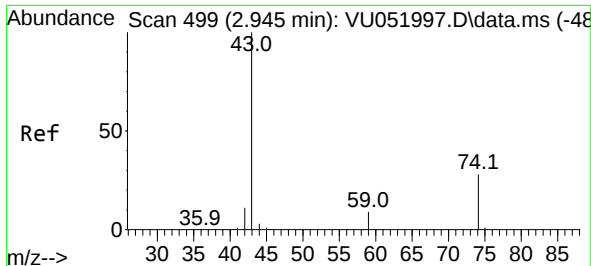
Tgt Ion: 76 Resp: 385539

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

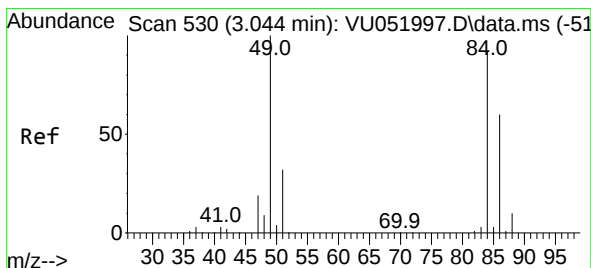
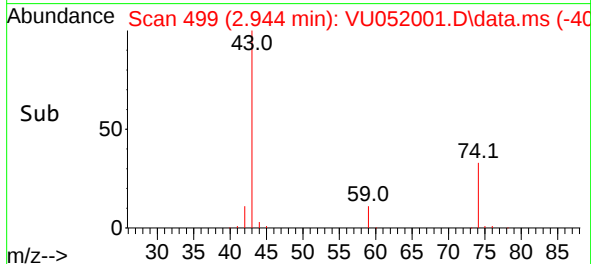
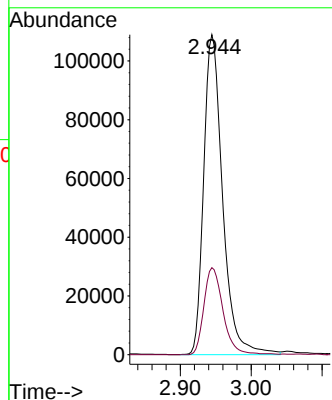
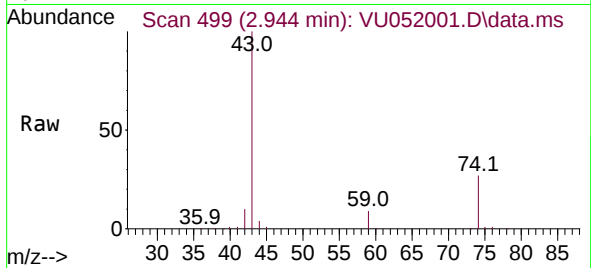




#15
Methyl Acetate
Concen: 48.307 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

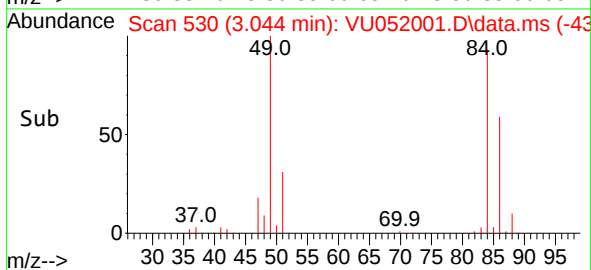
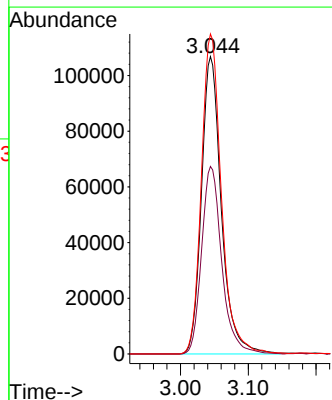
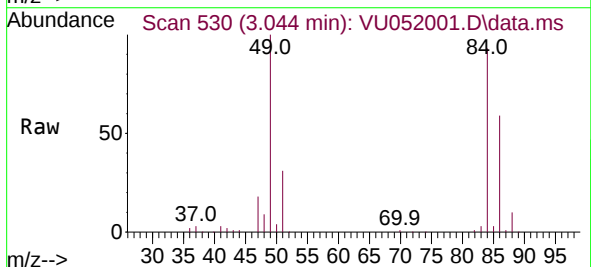
Instrument :
MSVOA_U
ClientSampleId :

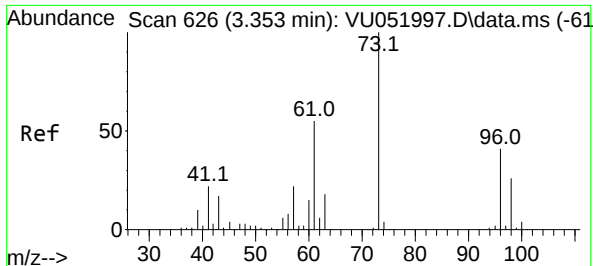
Tgt Ion: 43 Resp: 202463
Ion Ratio Lower Upper
43 100
74 27.3 22.2 33.4



#16
Methylene chloride
Concen: 44.671 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

Tgt Ion: 84 Resp: 217409
Ion Ratio Lower Upper
84 100
86 63.0 45.2 84.0
49 107.6 75.9 141.1





#17

trans-1,2-Dichloroethene

Concen: 47.192 ug/L

RT: 3.353 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

Instrument :

MSVOA_U

ClientSampleId :

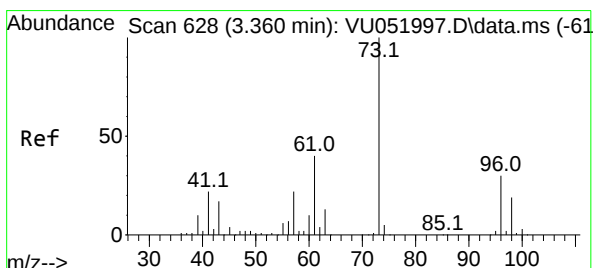
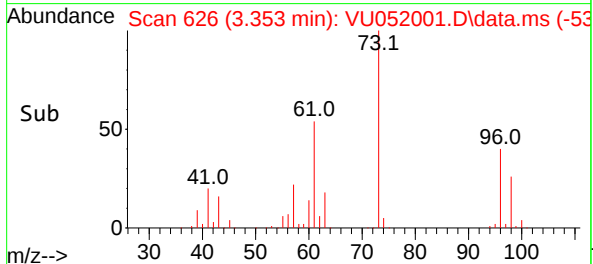
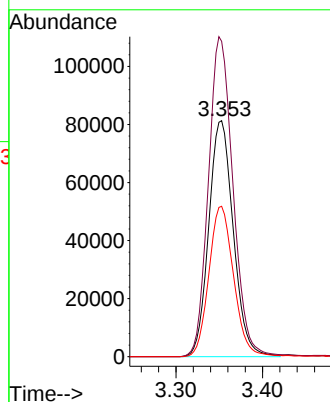
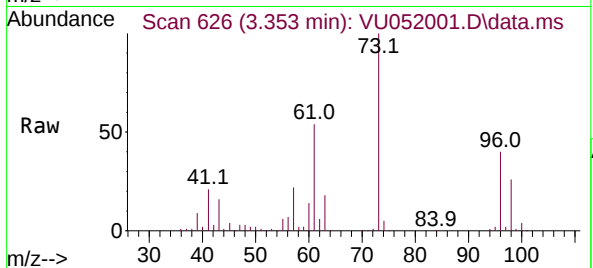
Tgt Ion: 96 Resp: 160451

Ion Ratio Lower Upper

96 100

61 133.6 93.9 174.3

98 63.7 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 48.709 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

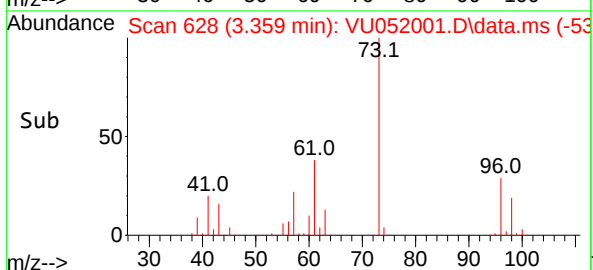
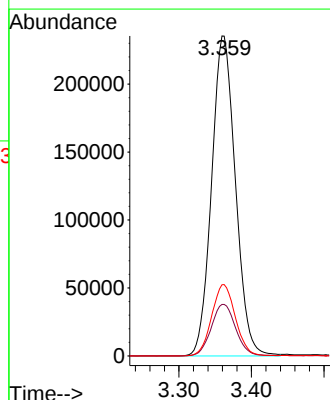
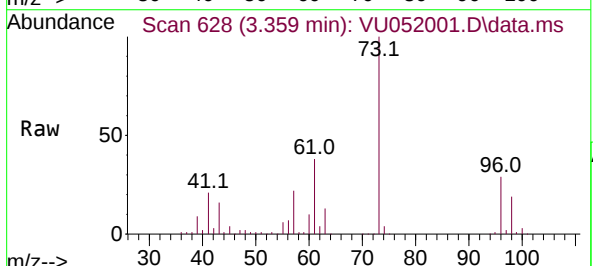
Tgt Ion: 73 Resp: 537918

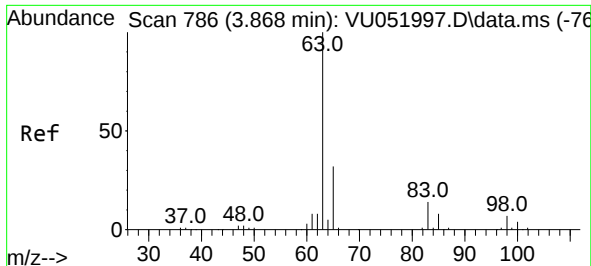
Ion Ratio Lower Upper

73 100

43 16.4 13.1 19.7

57 22.2 17.8 26.6





#19

1,1-Dichloroethane

Concen: 46.537 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

Instrument :

MSVOA_U

ClientSampleId :

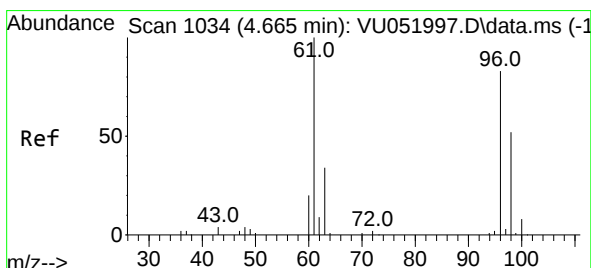
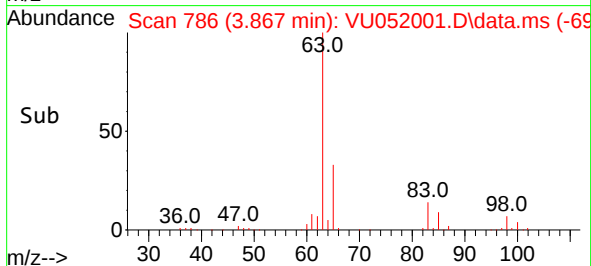
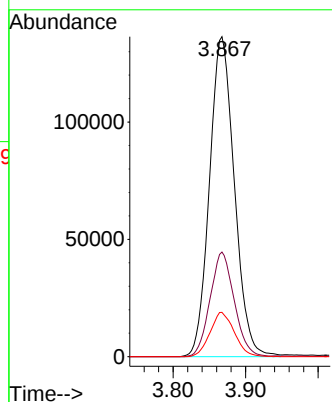
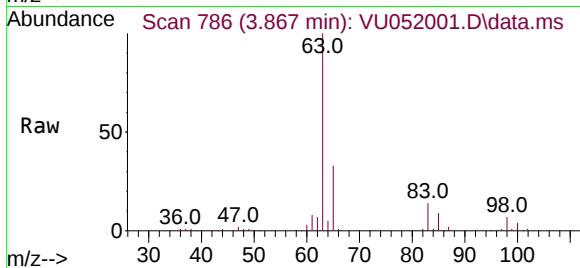
Tgt Ion: 63 Resp: 325517

Ion Ratio Lower Upper

63 100

65 32.7 22.3 41.3

83 13.9 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 47.633 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

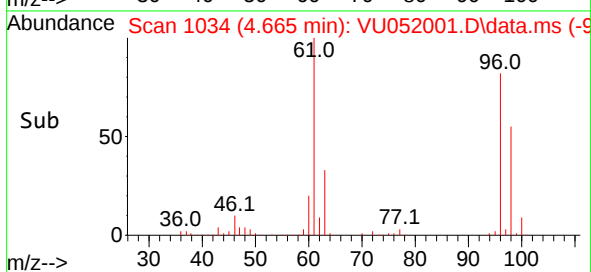
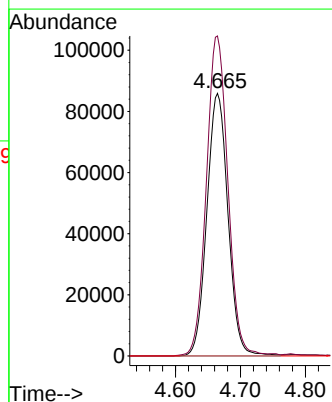
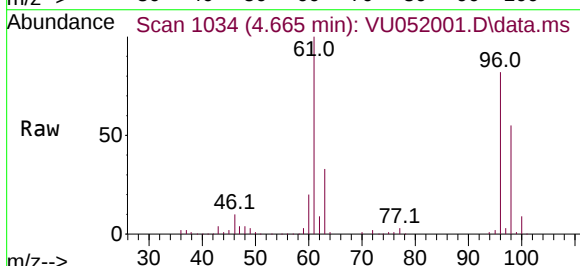
Tgt Ion: 96 Resp: 194437

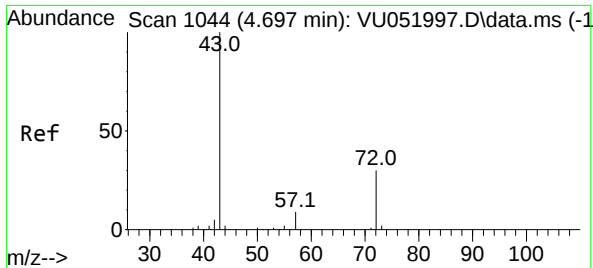
Ion Ratio Lower Upper

96 100

61 121.9 84.5 156.9

68 0.0 0.0 0.0

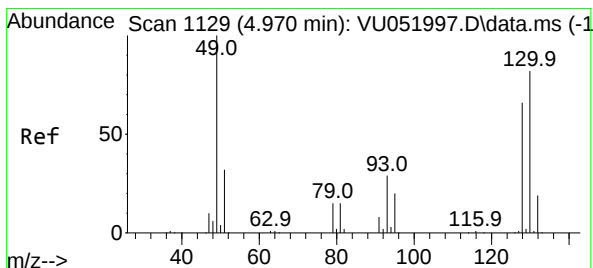
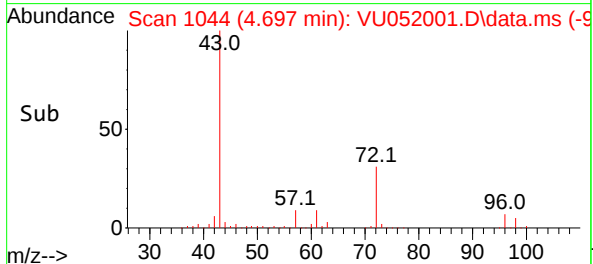
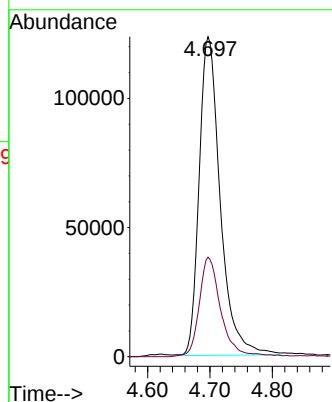
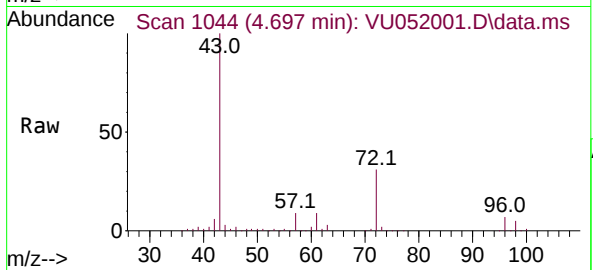




#22
2-Butanone
Concen: 88.665 ug/L
RT: 4.697 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

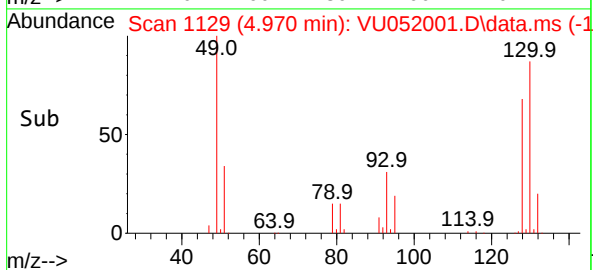
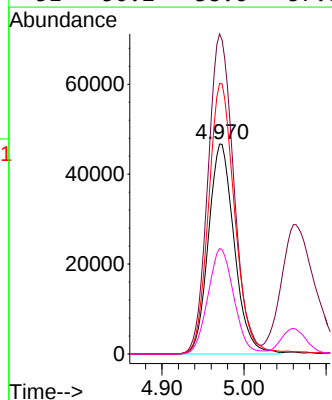
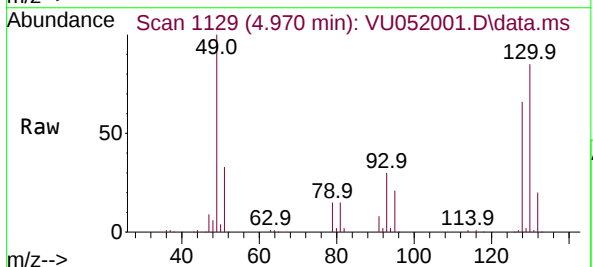
Instrument :
MSVOA_U
ClientSampleId :

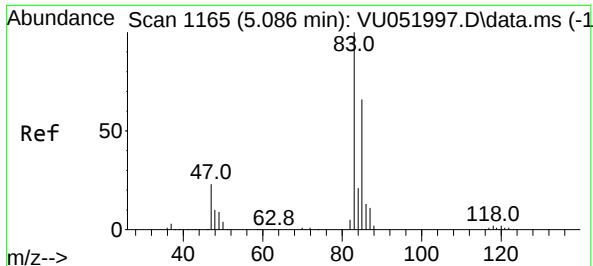
Tgt Ion: 43 Resp: 290219
Ion Ratio Lower Upper
43 100
72 31.3 15.9 47.7



#23
Bromochloromethane
Concen: 46.532 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

Tgt Ion:128 Resp: 102243
Ion Ratio Lower Upper
128 100
49 152.5 106.3 197.3
130 128.9 87.4 162.2
51 50.2 38.6 57.8





#25

Chloroform

Concen: 46.854 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

Instrument :

MSVOA_U

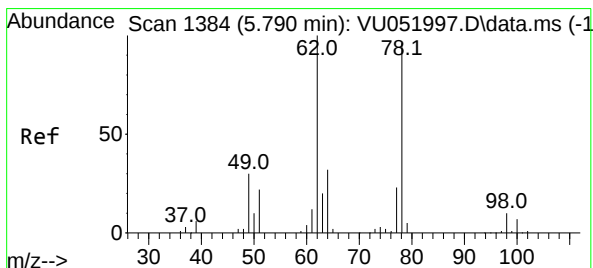
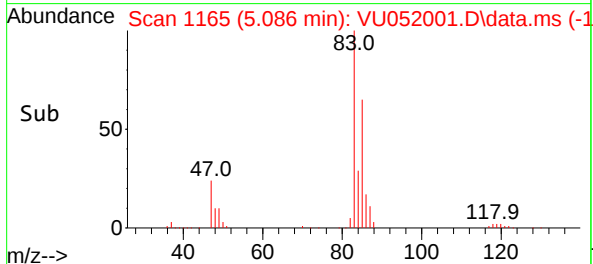
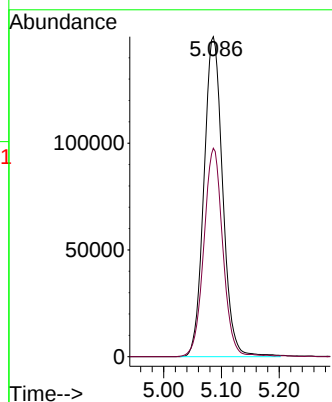
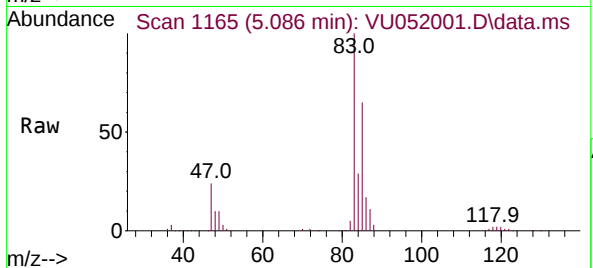
ClientSampleId :

Tgt Ion: 83 Resp: 338172

Ion Ratio Lower Upper

83 100

85 65.2 46.3 85.9



#27

1,2-Dichloroethane

Concen: 46.313 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU052001.D

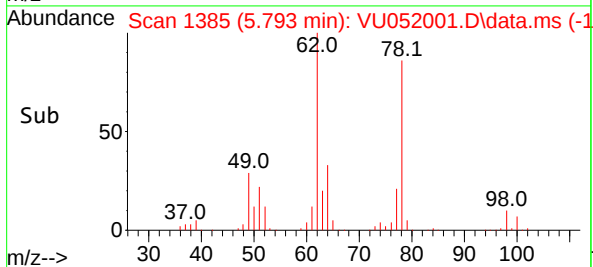
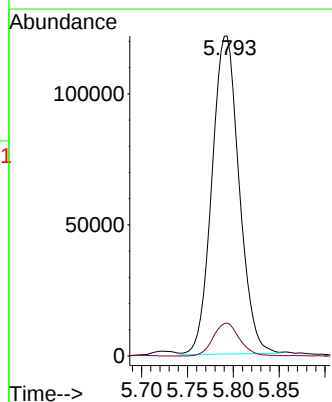
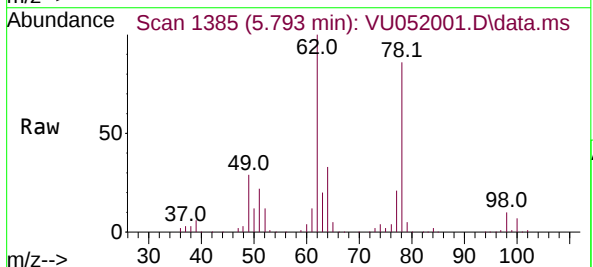
Acq: 21 Nov 2022 16:54

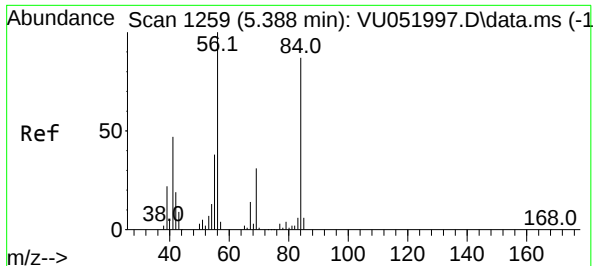
Tgt Ion: 62 Resp: 250769

Ion Ratio Lower Upper

62 100

98 10.3 7.9 11.9





#29

Cyclohexane

Concen: 54.169 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.004 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

Instrument :

MSVOA_U

ClientSampleId :

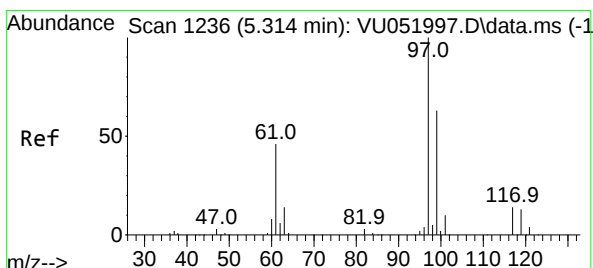
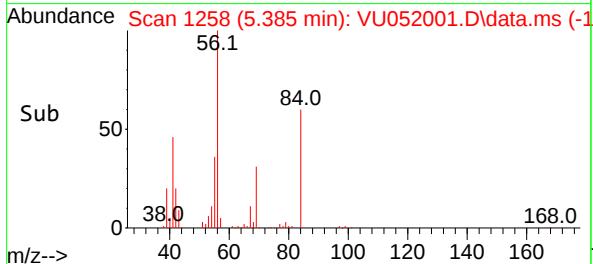
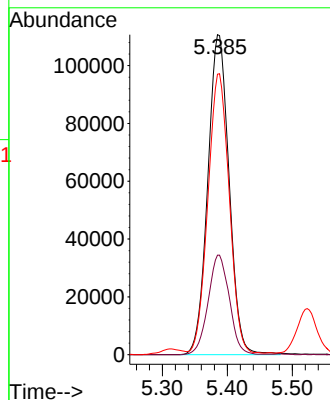
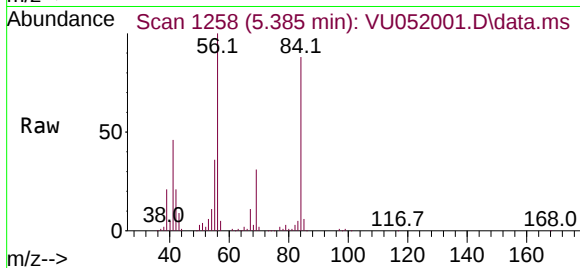
Tgt Ion: 56 Resp: 252256

Ion Ratio Lower Upper

56 100

69 30.9 25.7 38.5

84 88.3 70.2 105.2



#30

1,1,1-Trichloroethane

Concen: 48.412 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

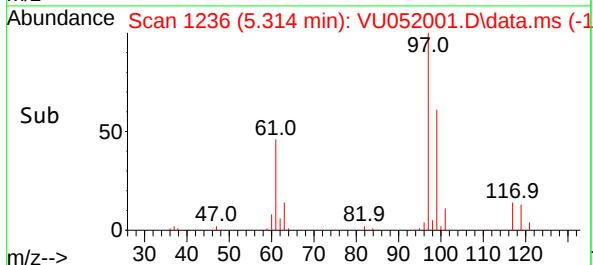
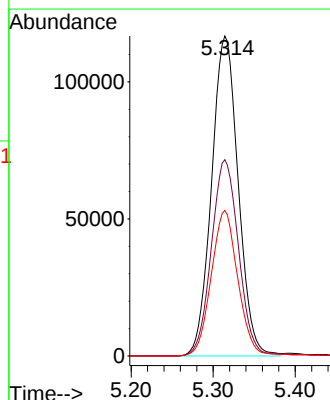
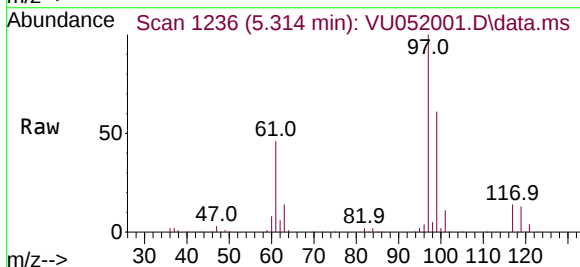
Tgt Ion: 97 Resp: 263637

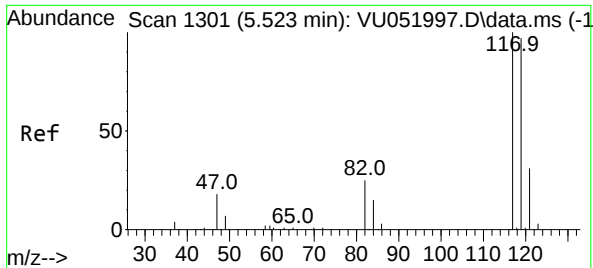
Ion Ratio Lower Upper

97 100

99 62.3 51.4 77.0

61 45.4 37.2 55.8

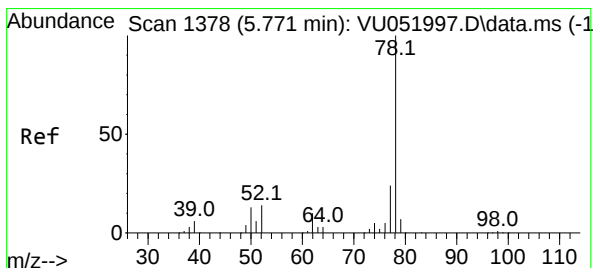
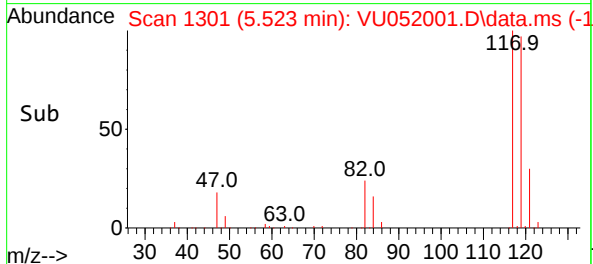
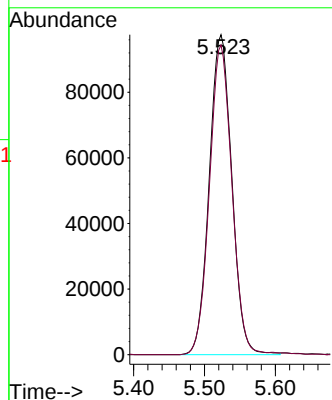
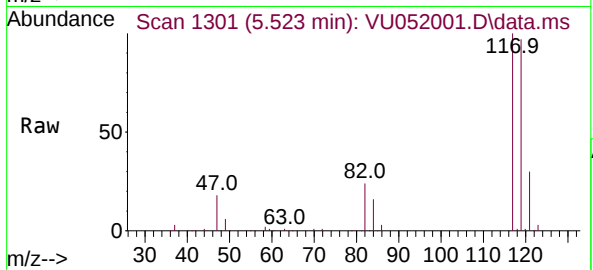




#31
Carbon tetrachloride
Concen: 48.881 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

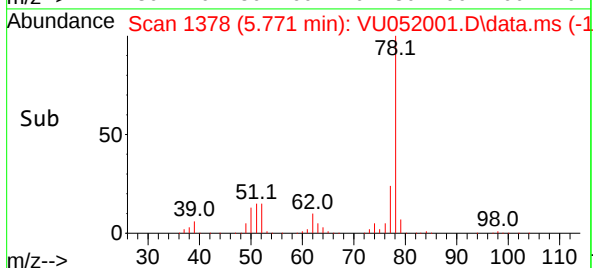
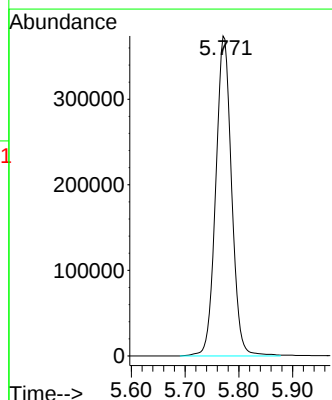
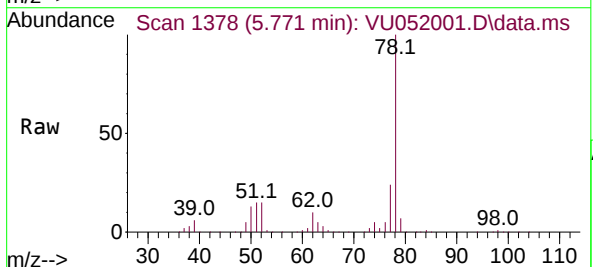
Instrument :
MSVOA_U
ClientSampleId :

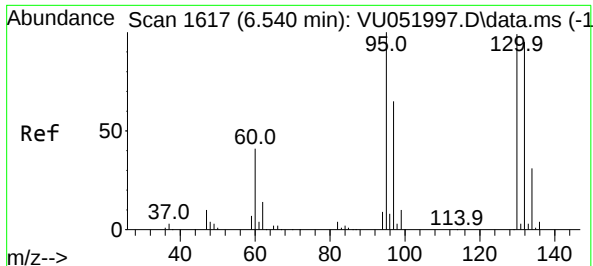
Tgt Ion:117 Resp: 215514
Ion Ratio Lower Upper
117 100
119 96.1 77.4 116.2



#33
Benzene
Concen: 48.654 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

Tgt Ion: 78 Resp: 765416

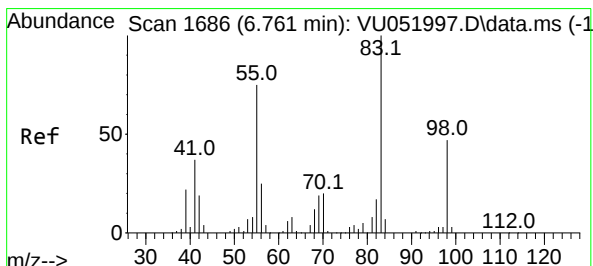
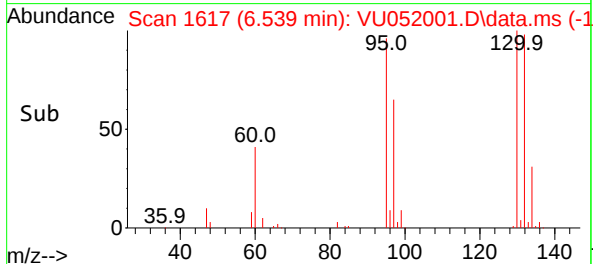
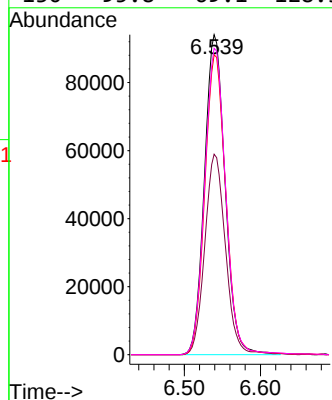
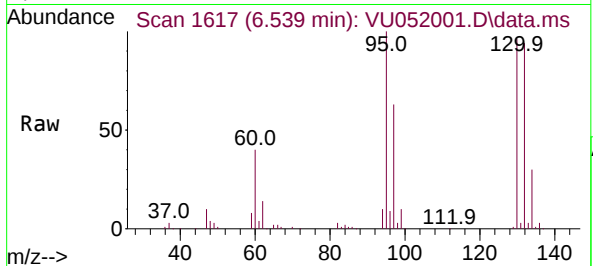




#34
Trichloroethene
Concen: 48.403 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

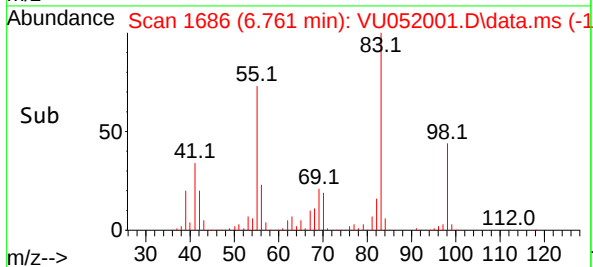
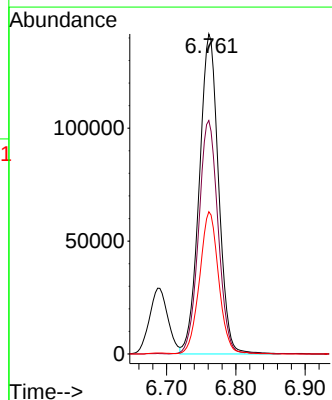
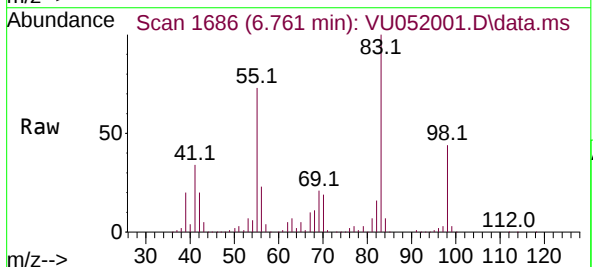
Instrument :
MSVOA_U
ClientSampleId :

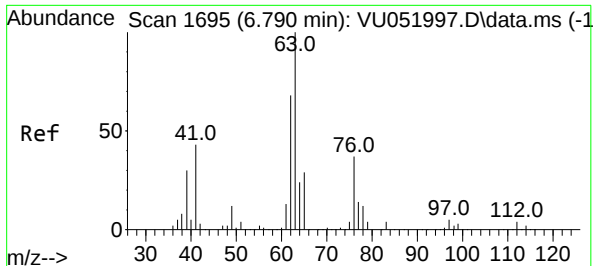
Tgt Ion: 95 Resp: 177671
Ion Ratio Lower Upper
95 100
97 62.7 45.3 84.1
132 93.7 66.8 124.2
130 95.8 69.1 128.3



#35
Methylcyclohexane
Concen: 54.509 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

Tgt Ion: 83 Resp: 274221
Ion Ratio Lower Upper
83 100
55 73.2 59.0 88.6
98 43.9 36.0 54.0





#37

1,2-Dichloropropane

Concen: 47.140 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.004 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

Instrument :

MSVOA_U

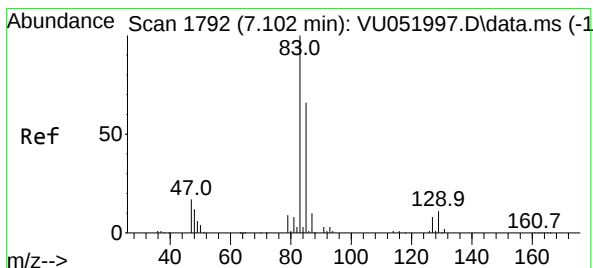
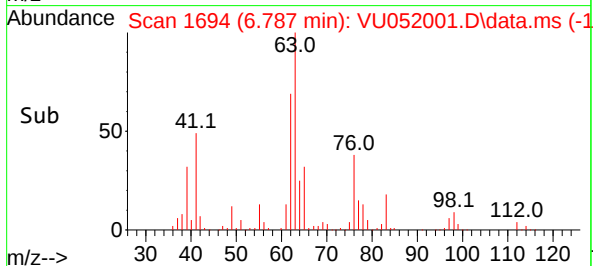
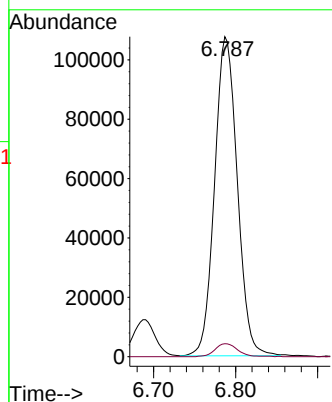
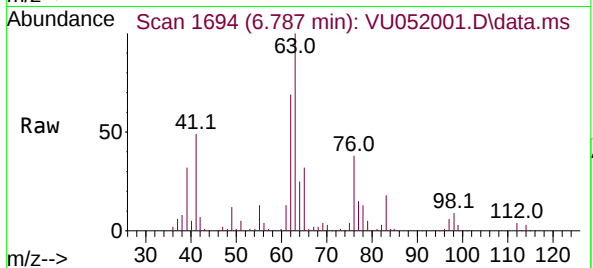
ClientSampleId :

Tgt Ion: 63 Resp: 207178

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.6



#38

Bromodichloromethane

Concen: 47.600 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

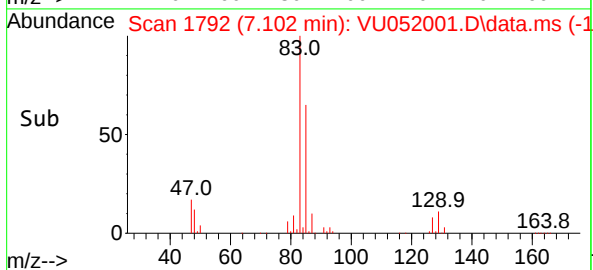
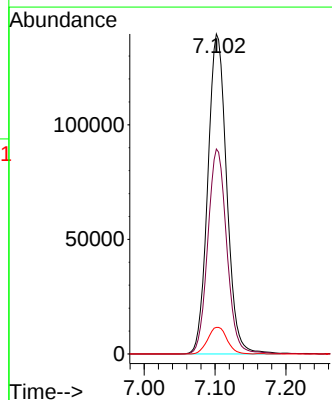
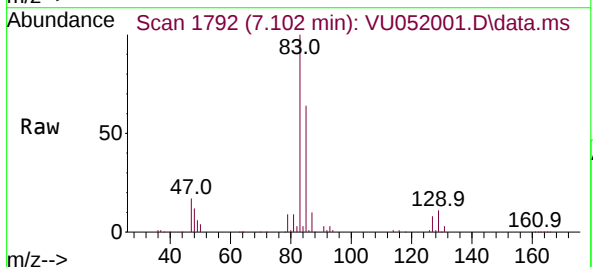
Tgt Ion: 83 Resp: 258289

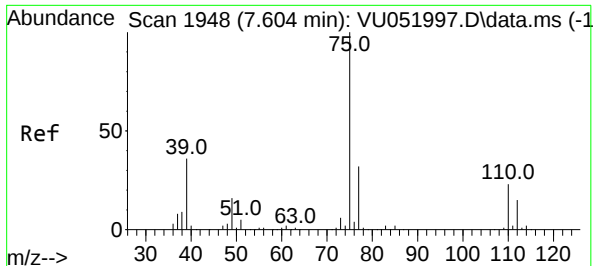
Ion Ratio Lower Upper

83 100

85 64.1 45.9 85.3

127 8.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 48.579 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

Instrument :

MSVOA_U

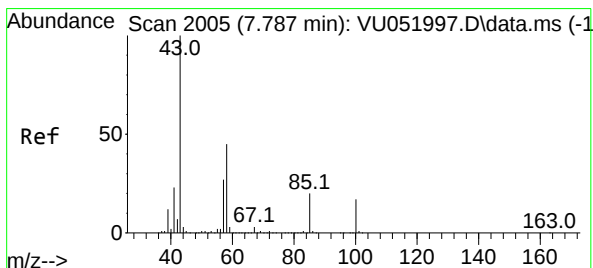
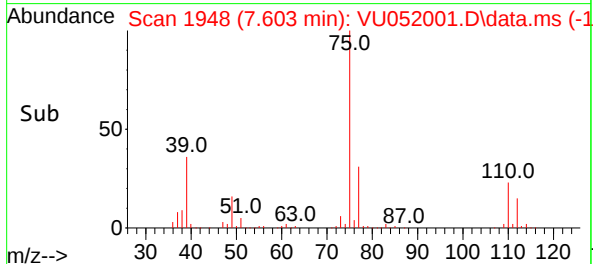
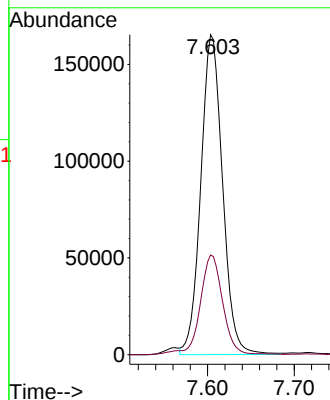
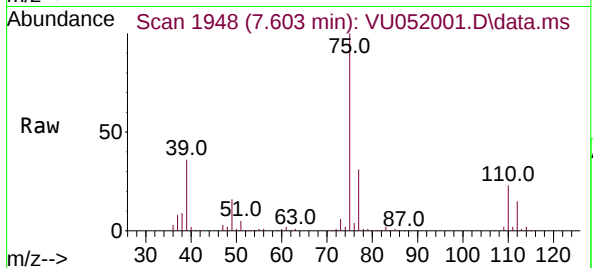
ClientSampleId :

Tgt Ion: 75 Resp: 288708

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 102.040 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

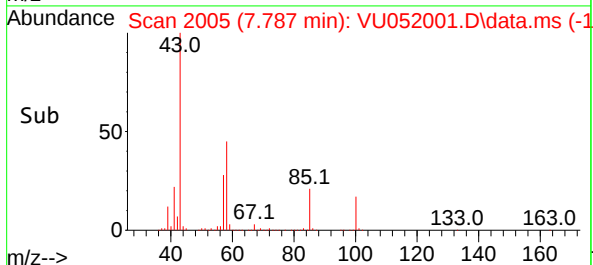
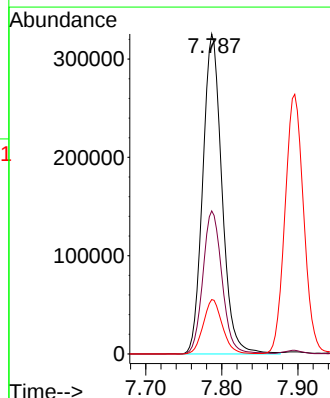
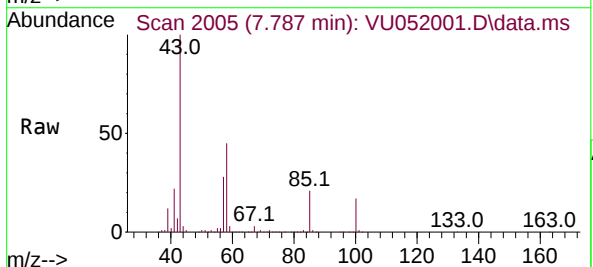
Tgt Ion: 43 Resp: 570389

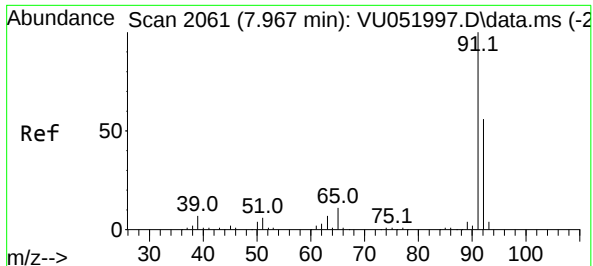
Ion Ratio Lower Upper

43 100

58 44.8 35.8 53.6

100 16.9 13.5 20.3

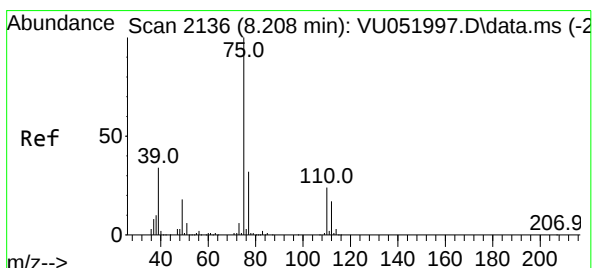
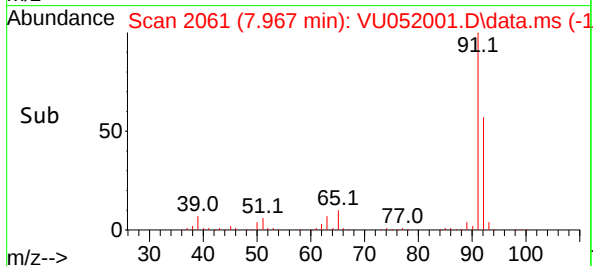
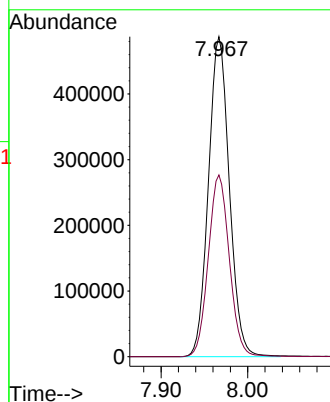
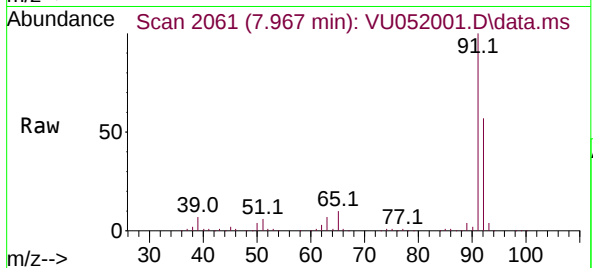




#42
Toluene
Concen: 50.233 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

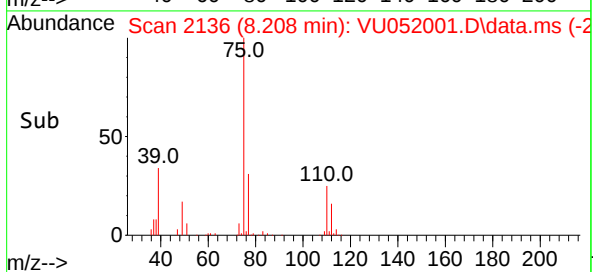
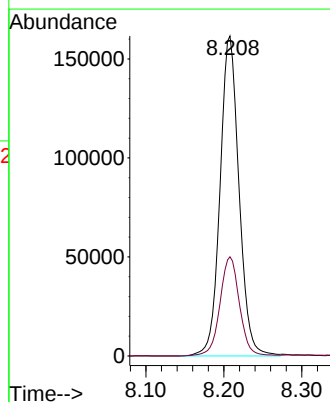
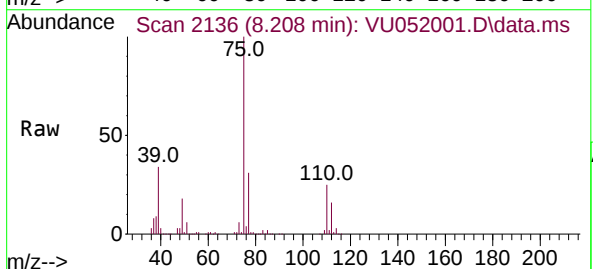
Instrument :
MSVOA_U
ClientSampleId :

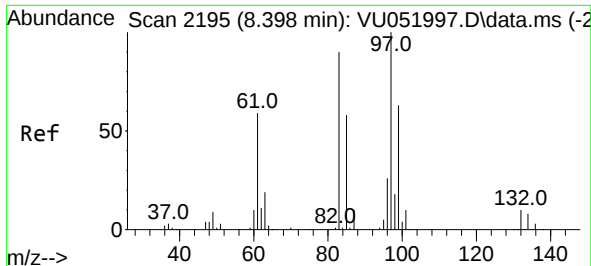
Tgt Ion: 91 Resp: 816601
Ion Ratio Lower Upper
91 100
92 56.8 39.2 72.8



#44
trans-1,3-Dichloropropene
Concen: 49.112 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

Tgt Ion: 75 Resp: 273004
Ion Ratio Lower Upper
75 100
77 31.0 22.7 42.1



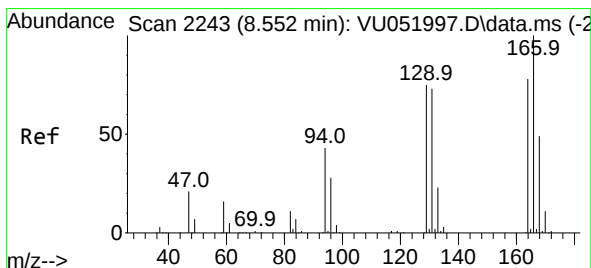
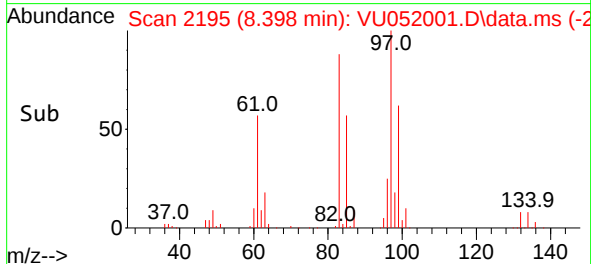
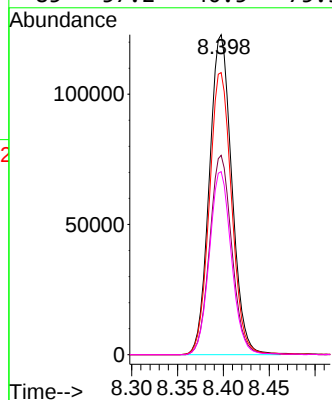
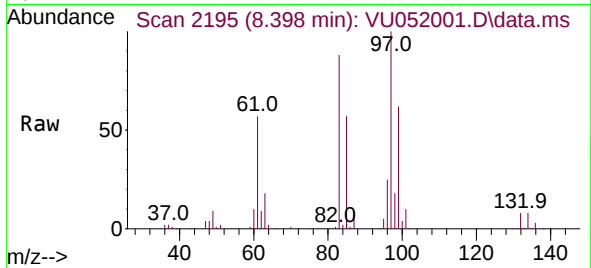


#45
1,1,2-Trichloroethane
Concen: 48.529 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 210253

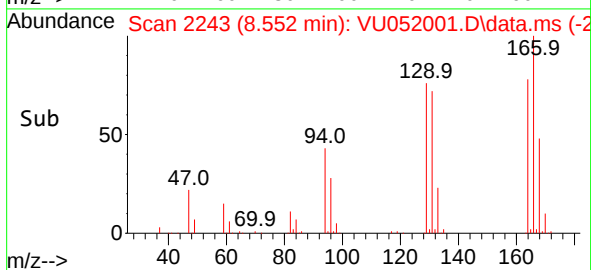
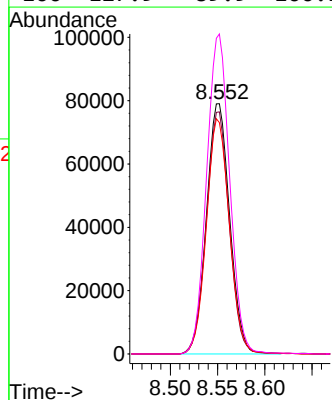
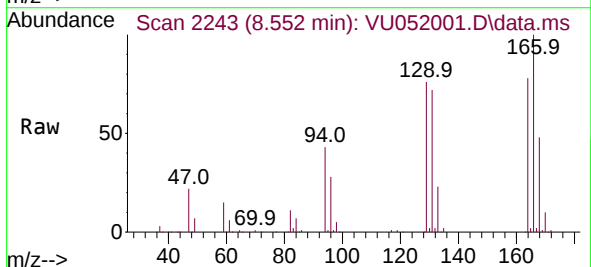
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.4	82.4
83	88.2	63.2	117.4
85	57.2	40.5	75.3

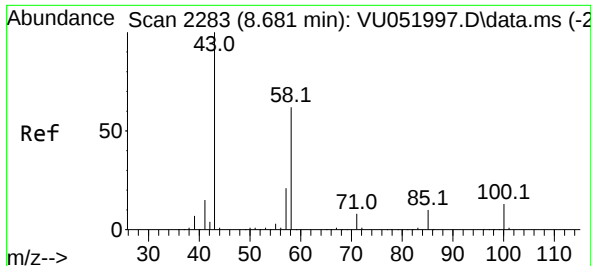


#46
Tetrachloroethene
Concen: 48.912 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

Tgt Ion: 164 Resp: 135446

Ion	Ratio	Lower	Upper
164	100		
129	96.7	67.3	124.9
131	92.4	65.2	121.2
166	127.9	89.9	166.9

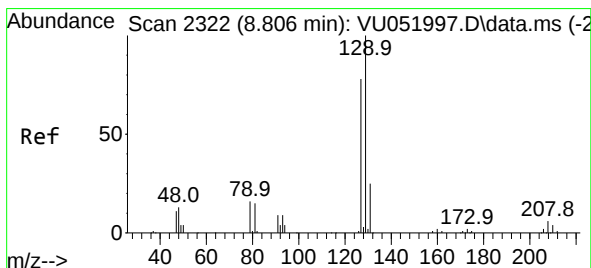
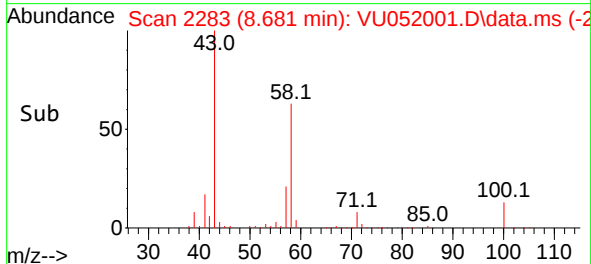
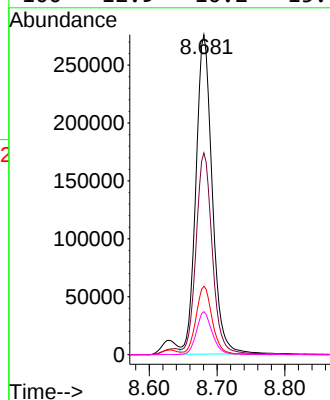
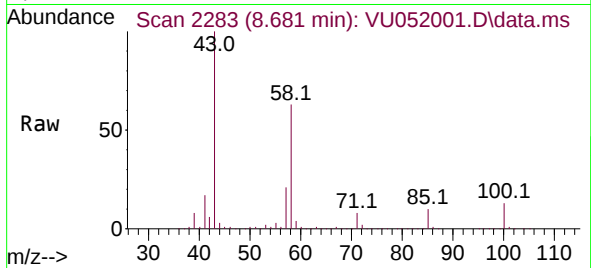




#48
2-Hexanone
Concen: 99.831 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

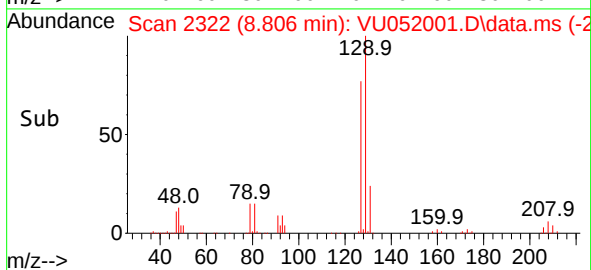
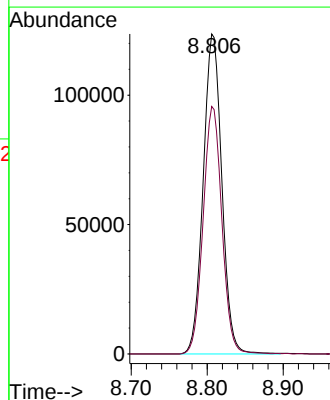
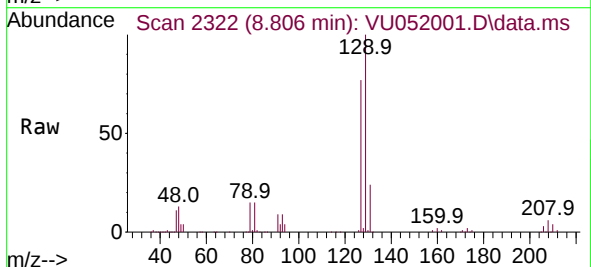
Instrument :
MSVOA_U
ClientSampleId :

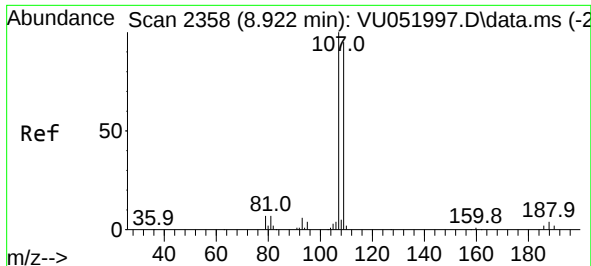
Tgt Ion:	43	Resp:	461794
Ion	Ratio	Lower	Upper
43	100		
58	62.8	49.6	74.4
57	20.7	16.8	25.2
100	12.9	10.2	15.4



#49
Dibromochloromethane
Concen: 47.856 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

Tgt Ion:	129	Resp:	210711
Ion	Ratio	Lower	Upper
129	100		
127	77.4	54.5	101.1





#50

1,2-Dibromoethane

Concen: 48.879 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.004 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

Instrument :

MSVOA_U

ClientSampleId :

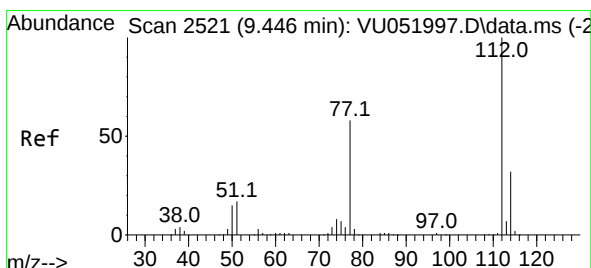
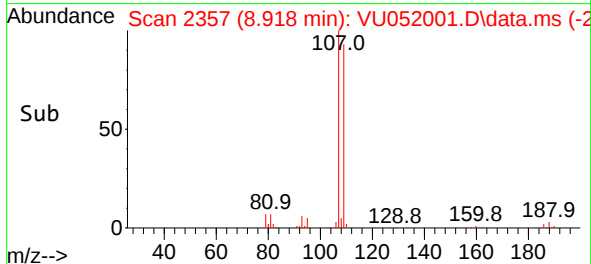
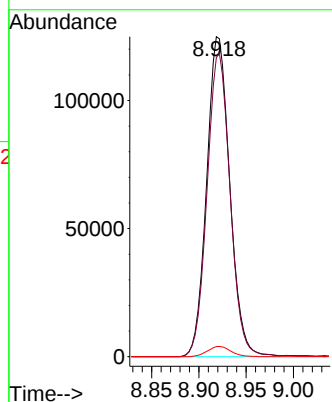
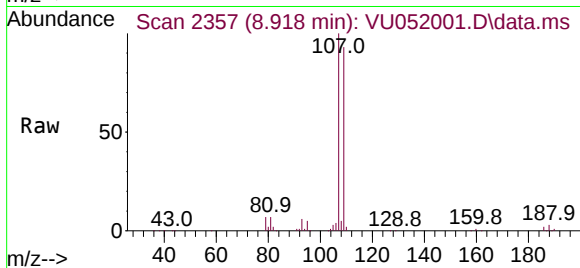
Tgt Ion:107 Resp: 212694

Ion Ratio Lower Upper

107 100

109 93.5 66.6 123.8

188 3.2 2.9 4.3



#51

Chlorobenzene

Concen: 48.516 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.004 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

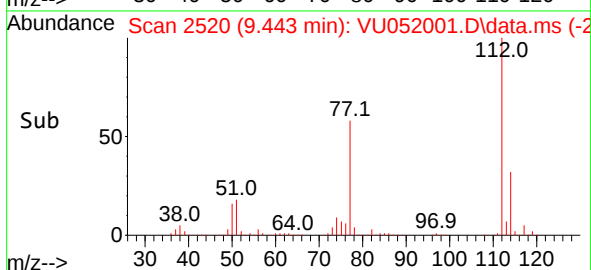
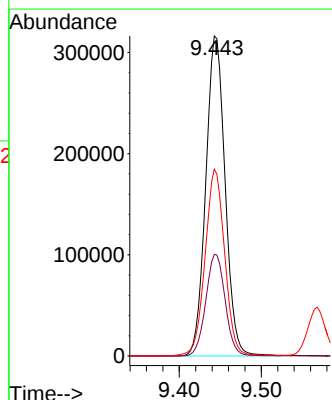
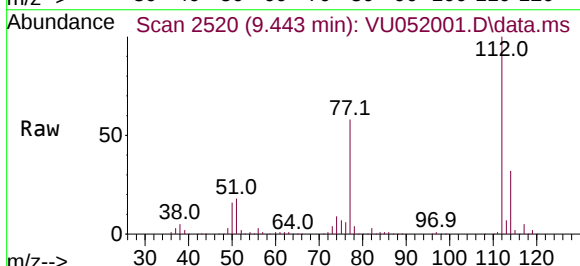
Tgt Ion:112 Resp: 518922

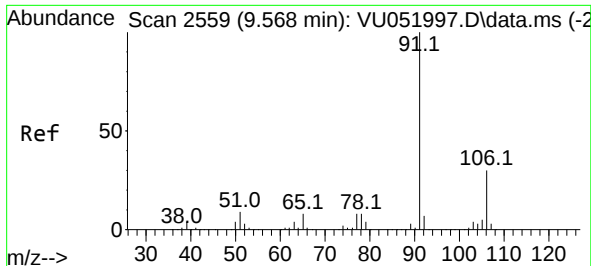
Ion Ratio Lower Upper

112 100

114 31.7 22.2 41.2

77 58.4 46.5 69.7

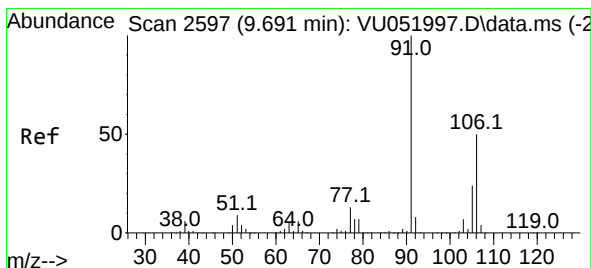
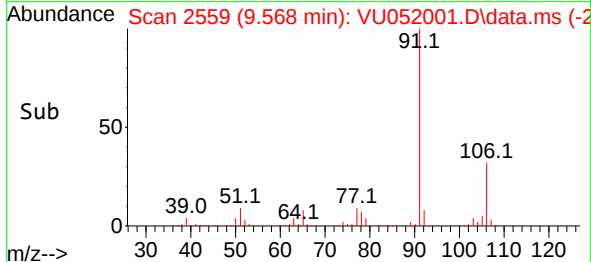
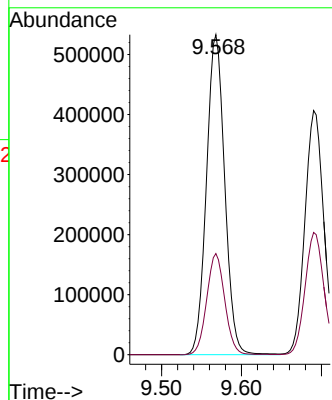
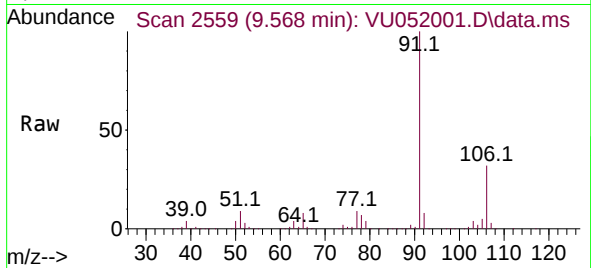




#52
Ethylbenzene
Concen: 51.169 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

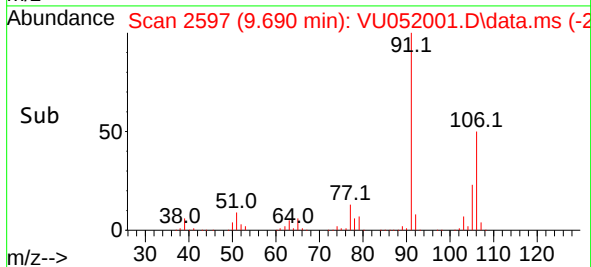
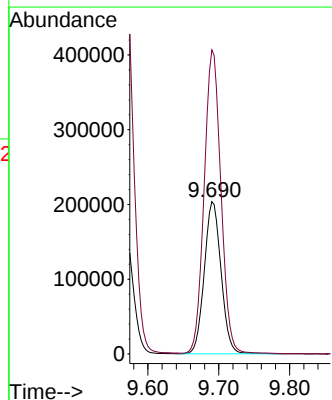
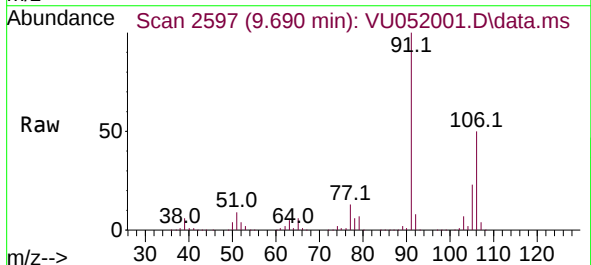
Instrument :
MSVOA_U
ClientSampleId :

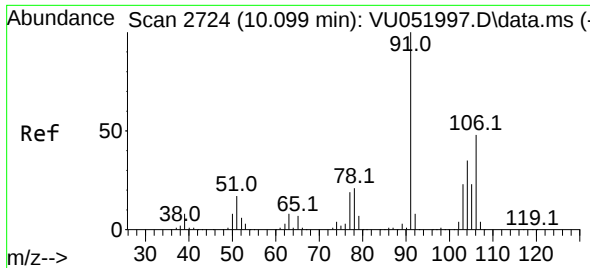
Tgt Ion: 91 Resp: 846957
Ion Ratio Lower Upper
91 100
106 31.6 21.2 39.4



#53
m,p-Xylene
Concen: 52.281 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

Tgt Ion: 106 Resp: 334350
Ion Ratio Lower Upper
106 100
91 199.7 140.3 260.6

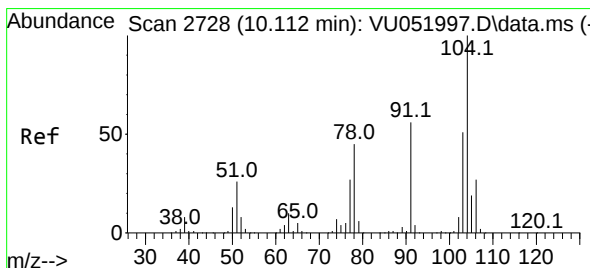
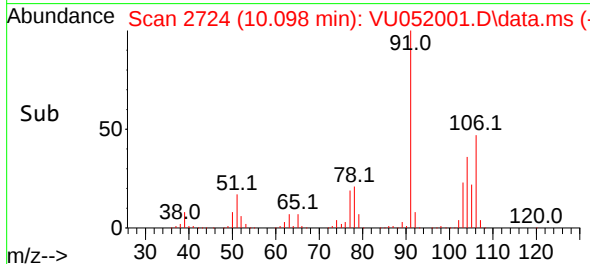
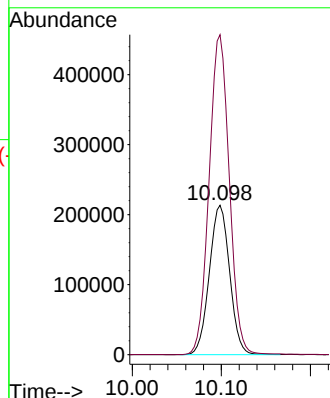
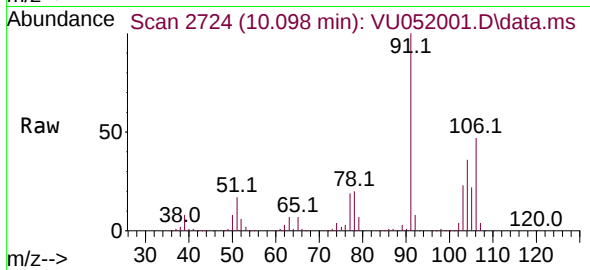




#54
o-Xylene
Concen: 52.202 ug/L
RT: 10.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

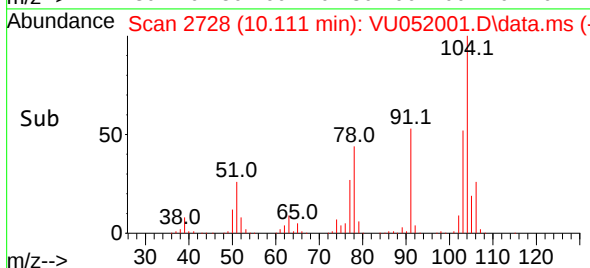
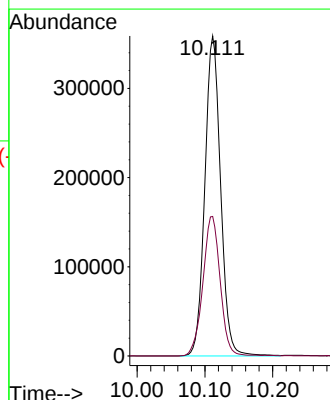
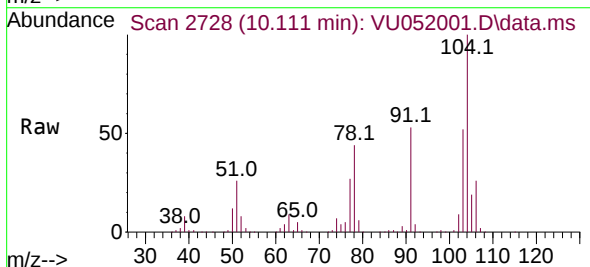
Instrument :
MSVOA_U
ClientSampleId :

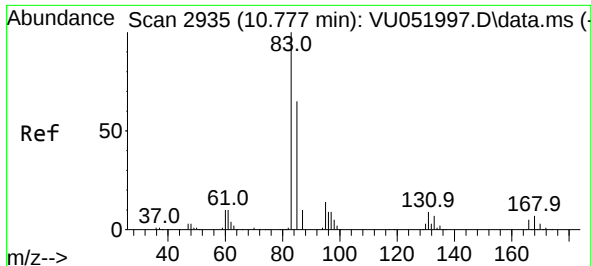
Tgt Ion:106 Resp: 337787
Ion Ratio Lower Upper
106 100
91 214.0 146.7 272.4



#55
Styrene
Concen: 52.954 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

Tgt Ion:104 Resp: 580507
Ion Ratio Lower Upper
104 100
78 43.6 31.2 58.0





#57

1,1,2,2-Tetrachloroethane

Concen: 47.960 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

Instrument :

MSVOA_U

ClientSampleId :

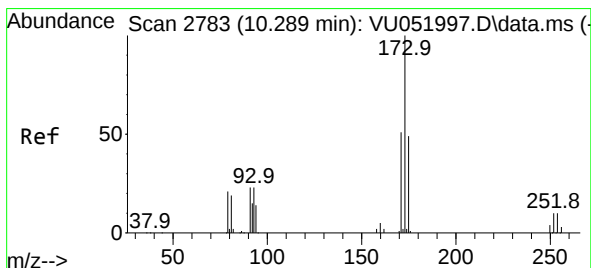
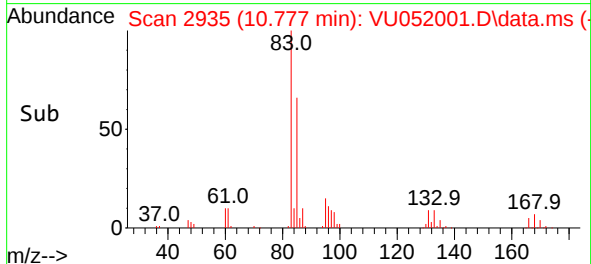
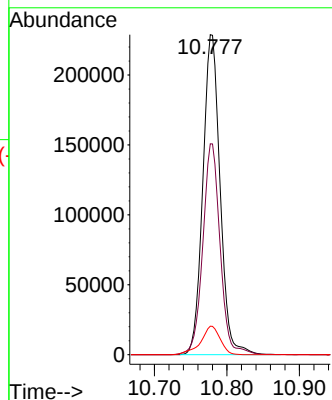
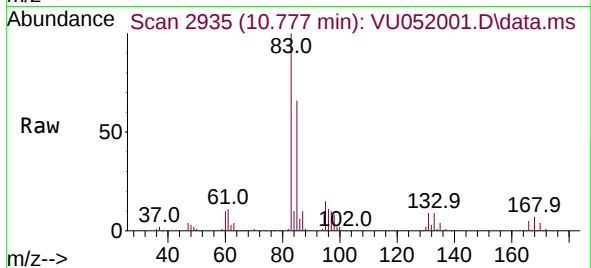
Tgt Ion: 83 Resp: 378120

Ion Ratio Lower Upper

83 100

85 65.9 45.4 84.2

131 8.9 7.3 10.9



#59

Bromoform

Concen: 45.878 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

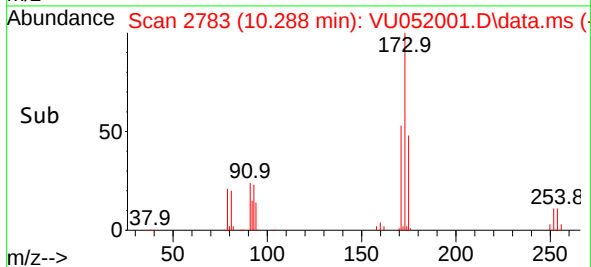
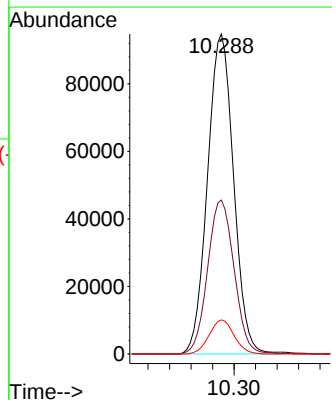
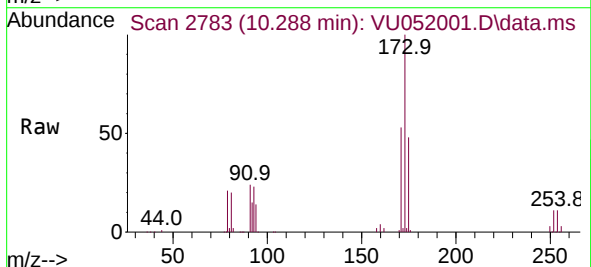
Tgt Ion:173 Resp: 159539

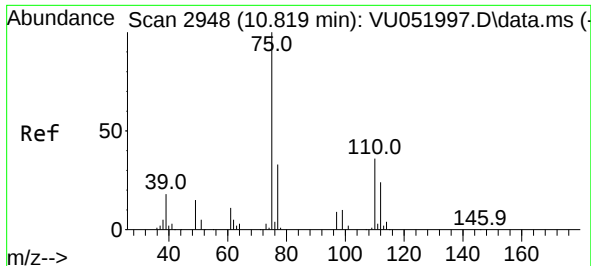
Ion Ratio Lower Upper

173 100

175 48.8 39.8 59.6

254 10.2 7.5 11.3

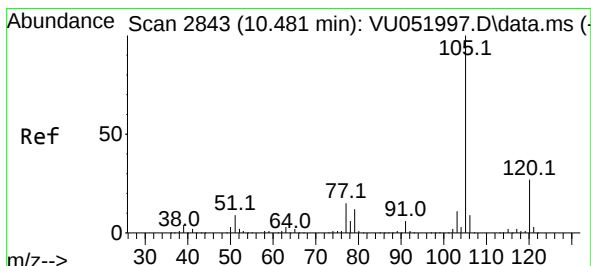
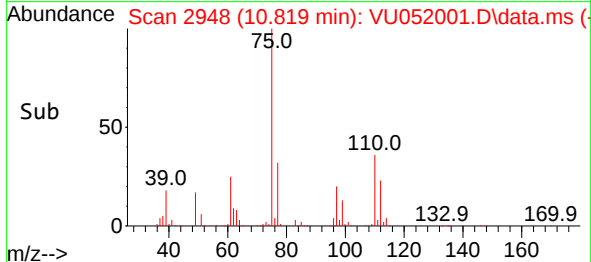
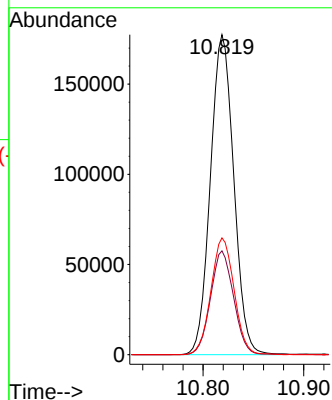
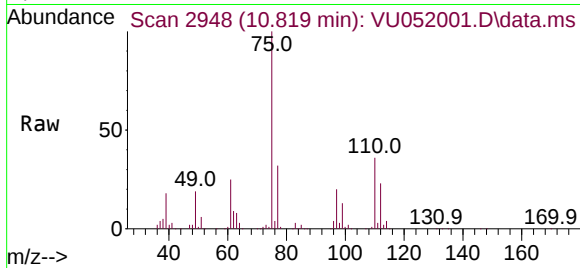




#60
1,2,3-Trichloropropane
Concen: 45.944 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

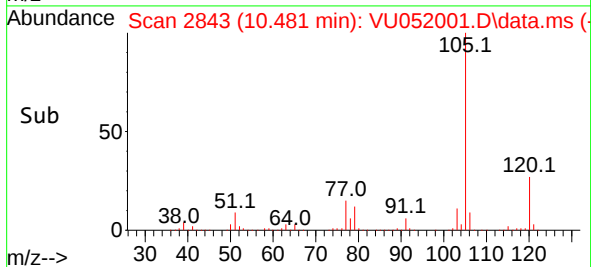
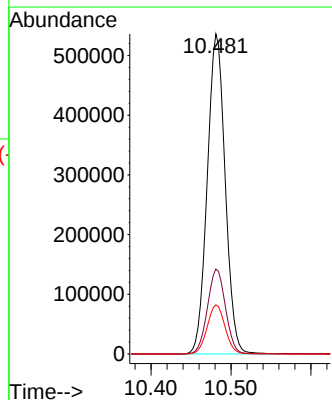
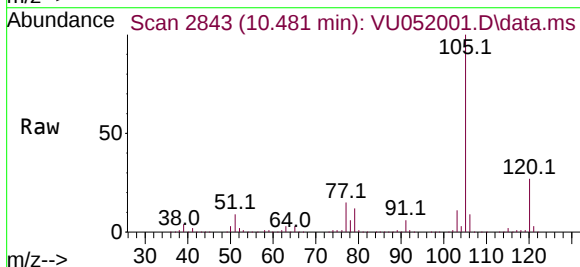
Instrument :
MSVOA_U
ClientSampleId :

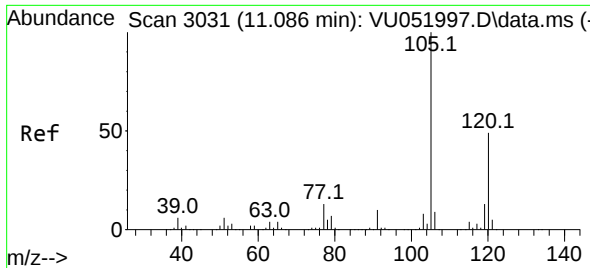
Tgt Ion: 75 Resp: 286450
Ion Ratio Lower Upper
75 100
77 32.2 26.0 39.0
110 36.2 29.0 43.4



#61
Isopropylbenzene
Concen: 51.101 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

Tgt Ion:105 Resp: 837227
Ion Ratio Lower Upper
105 100
120 26.7 21.1 31.7
77 15.2 12.4 18.6

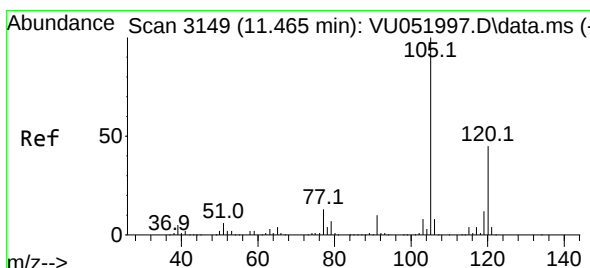
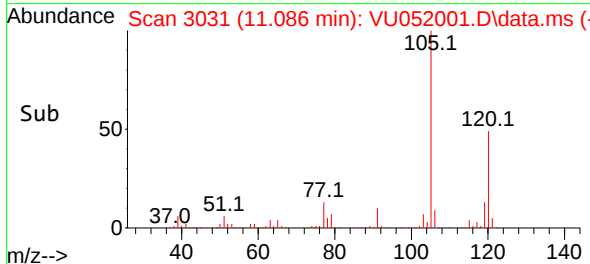
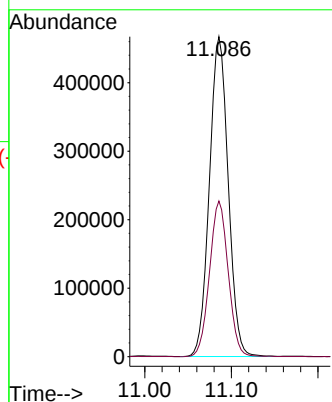
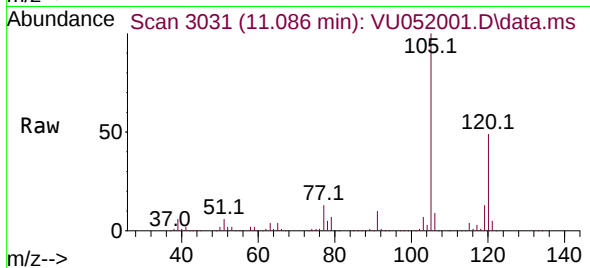




#62
 1,3,5-Trimethylbenzene
 Concen: 53.761 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.000 min
 Lab File: VU052001.D
 Acq: 21 Nov 2022 16:54

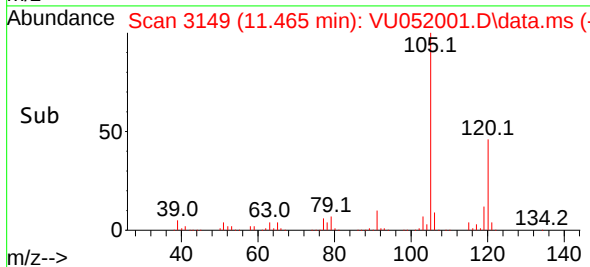
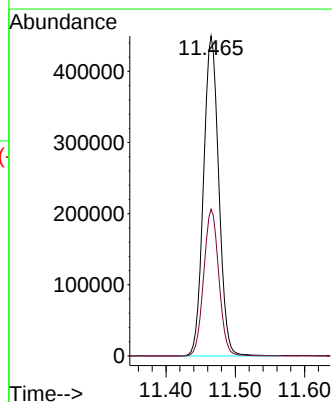
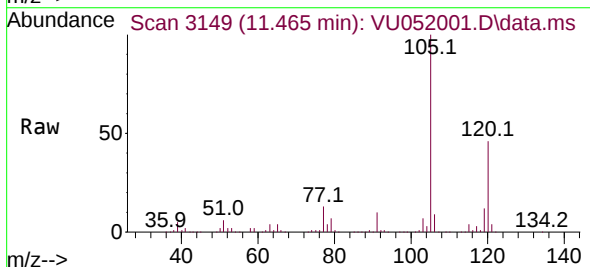
Instrument :
 MSVOA_U
 ClientSampleId :

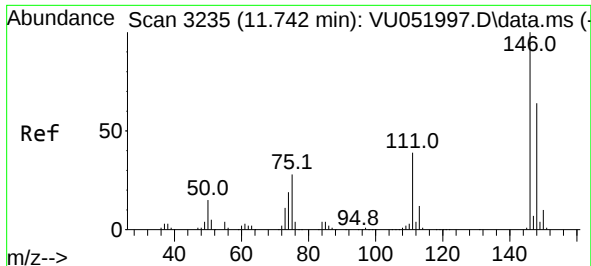
Tgt Ion:105 Resp: 703725
 Ion Ratio Lower Upper
 105 100
 120 48.3 39.3 58.9



#63
 1,2,4-Trimethylbenzene
 Concen: 53.959 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.000 min
 Lab File: VU052001.D
 Acq: 21 Nov 2022 16:54

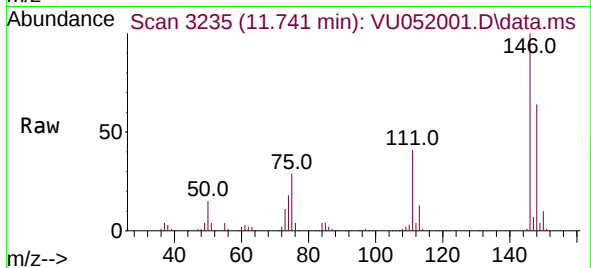
Tgt Ion:105 Resp: 688313
 Ion Ratio Lower Upper
 105 100
 120 45.4 36.1 54.1



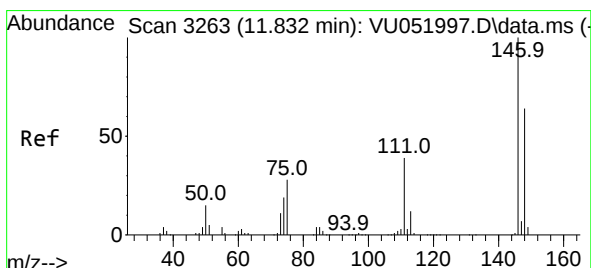
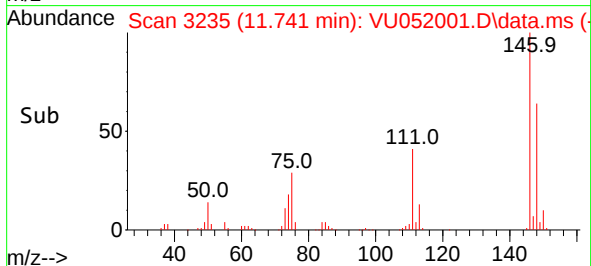
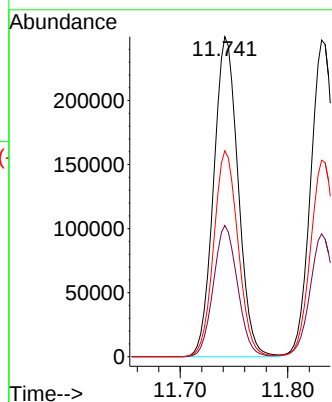


#64
1,3-Dichlorobenzene
Concen: 49.687 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

Instrument :
MSVOA_U
ClientSampleId :

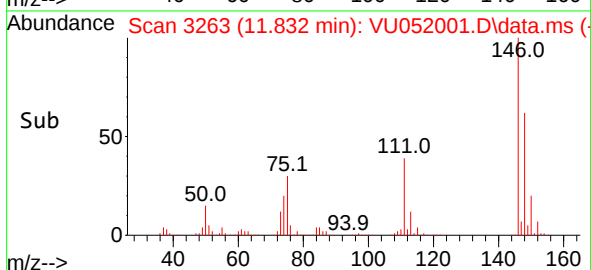
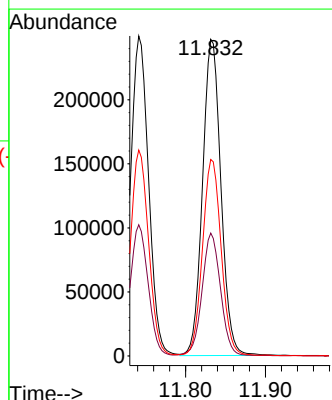
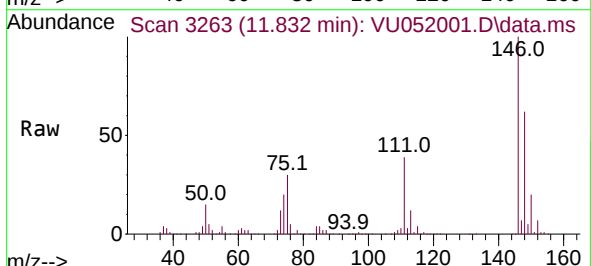


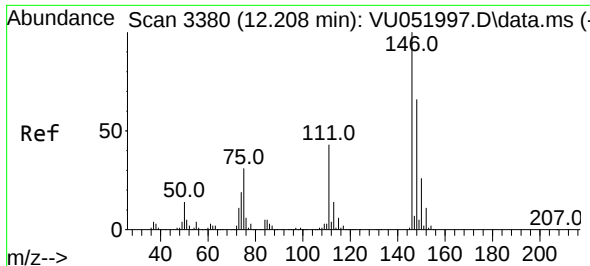
Tgt Ion:146 Resp: 394626
Ion Ratio Lower Upper
146 100
111 41.0 27.5 51.1
148 64.3 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 48.935 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

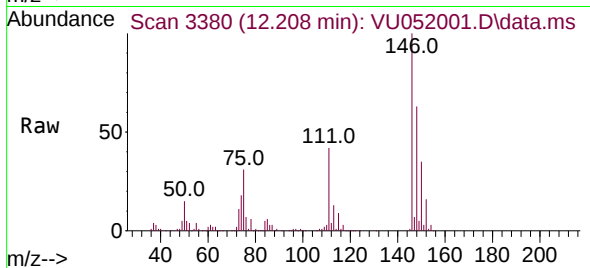
Tgt Ion:146 Resp: 396016
Ion Ratio Lower Upper
146 100
111 38.8 27.6 51.2
148 62.1 44.8 83.2



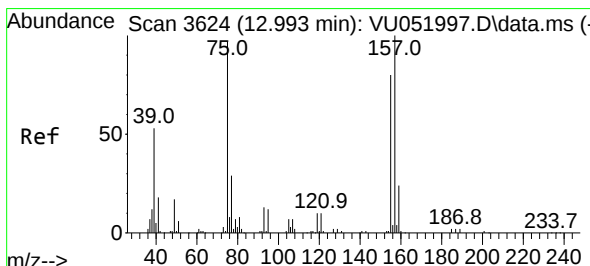
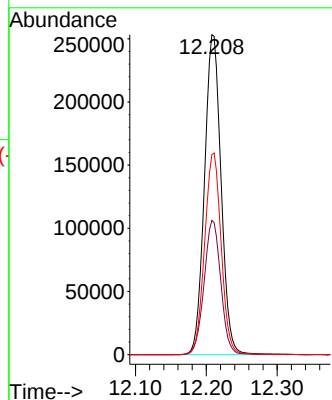
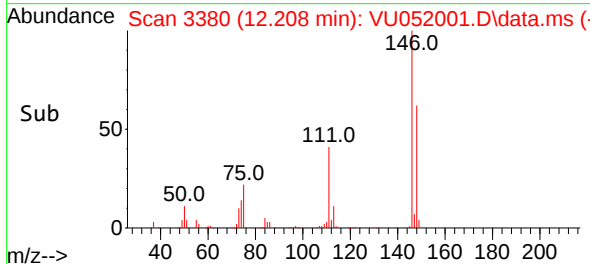


#67
1,2-Dichlorobenzene
Concen: 49.571 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54

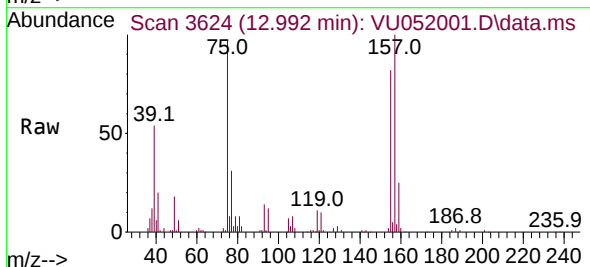
Instrument :
MSVOA_U
ClientSampleId :



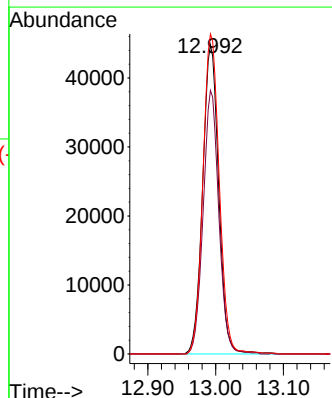
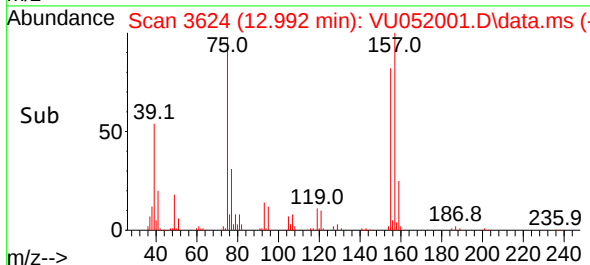
Tgt Ion:146 Resp: 412506
Ion Ratio Lower Upper
146 100
111 42.0 34.2 51.4
148 62.5 52.6 79.0

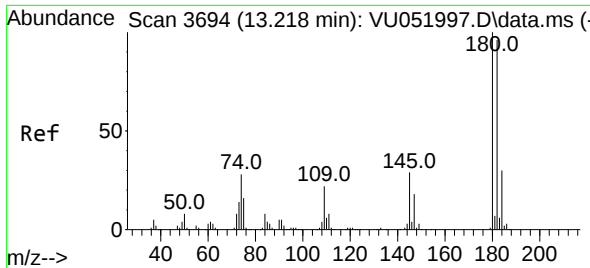


#68
1,2-Dibromo-3-chloropropane
Concen: 47.939 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU052001.D
Acq: 21 Nov 2022 16:54



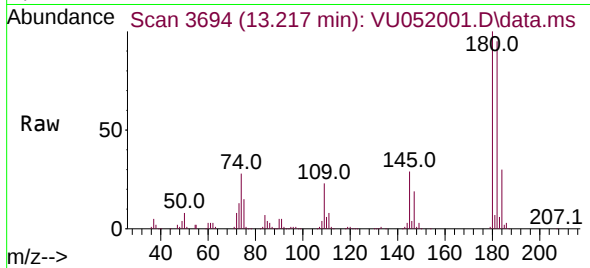
Tgt Ion: 75 Resp: 73638
Ion Ratio Lower Upper
75 100
155 85.2 66.3 99.5
157 103.5 82.8 124.2



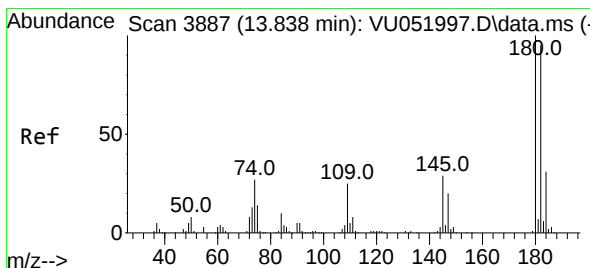
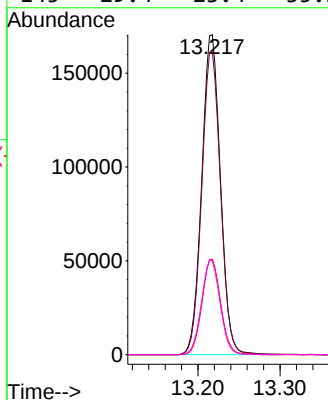
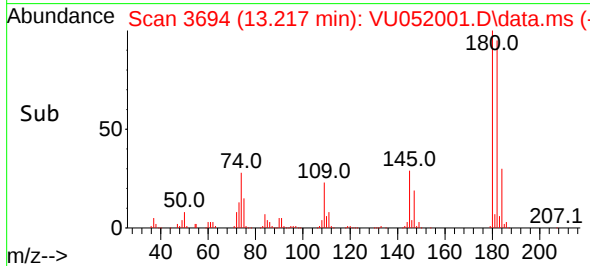


#69
 1,3,5-Trichlorobenzene
 Concen: 50.903 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.000 min
 Lab File: VU052001.D
 Acq: 21 Nov 2022 16:54

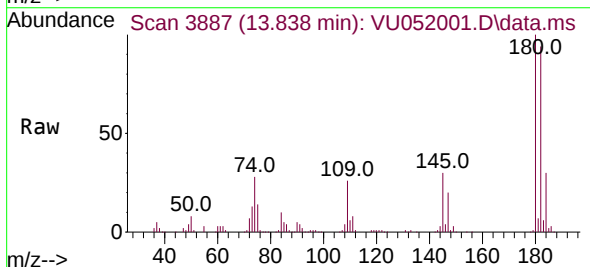
Instrument :
 MSVOA_U
 ClientSampleId :



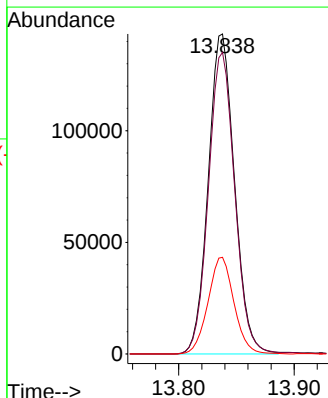
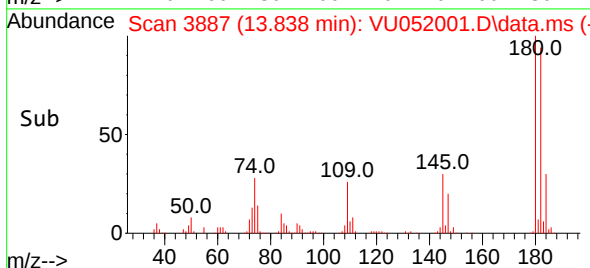
Tgt Ion:180 Resp: 269900
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.2 115.8
 184 29.7 24.6 36.8
 145 29.4 23.4 35.2

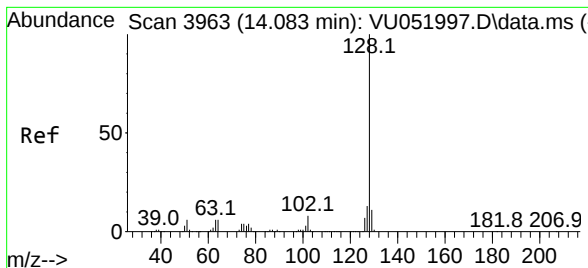


#70
 1,2,4-trichlorobenzene
 Concen: 53.144 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.000 min
 Lab File: VU052001.D
 Acq: 21 Nov 2022 16:54



Tgt Ion:180 Resp: 226354
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.4 113.2
 145 29.9 23.4 35.0





#71

Naphthalene

Concen: 60.865 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

Instrument :

MSVOA_U

ClientSampleId :

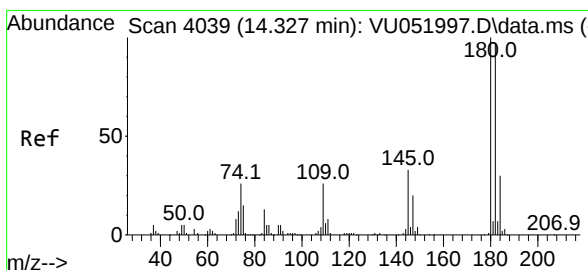
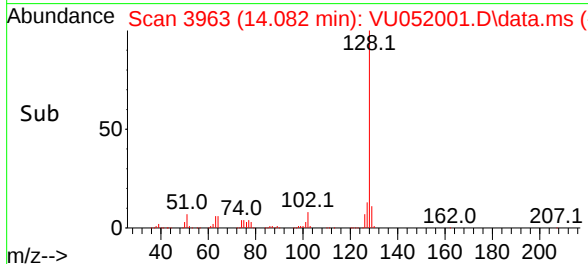
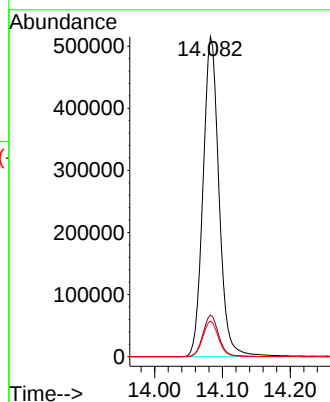
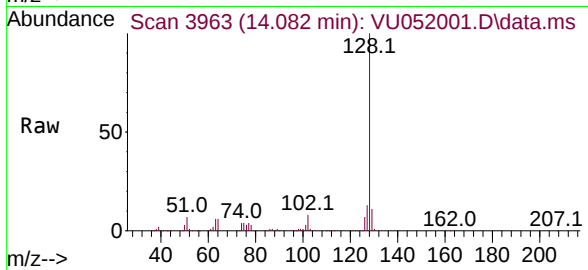
Tgt Ion:128 Resp: 843981

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 11.0 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 55.365 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. -0.000 min

Lab File: VU052001.D

Acq: 21 Nov 2022 16:54

Tgt Ion:180 Resp: 255475

Ion Ratio Lower Upper

180 100

182 95.3 76.1 114.1

145 32.5 25.8 38.6

