

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101122\
 Data File : VU051385.D
 Acq On : 11 Oct 2022 20:10
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB155

Quant Time: Oct 11 23:40:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 11 23:36:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	216099	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	237432	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	120617	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	46932	2.692	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	53.800%
7) Chloroethane-d5	1.909	69	47974	3.203	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	64.000%#
11) 1,1-Dichloroethene-d2	2.562	65	22665	3.289	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.800%
20) 2-Butanone-d5	4.620	46	190791	49.713	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.420%
24) Chloroform-d	5.060	84	149868	4.612	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
26) 1,2-Dichloroethane-d4	5.700	65	76057	4.538	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
32) Benzene-d6	5.726	84	261089	3.997	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.000%
36) 1,2-Dichloropropane-d6	6.687	67	95757	4.317	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.400%
41) Toluene-d8	7.896	98	245290	4.197	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.000%
43) trans-1,3-Dichloroprop...	8.179	79	30926	4.243	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.800%
46) 2-Hexanone-d5	8.629	63	119184	48.523	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.040%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	83401	4.707	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	88734	4.233	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	89227	5.062	ug/L	99
3) Chloromethane	1.520	50	114487	4.625	ug/L	98
5) Vinyl chloride	1.601	62	111961	4.612	ug/L	94
6) Bromomethane	1.855	94	60835	4.601	ug/L	99
8) Chloroethane	1.932	64	68814	4.444	ug/L	100
9) Trichlorofluoromethane	2.137	101	130688	4.670	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	83791	4.989	ug/L	100
12) 1,1-Dichloroethene	2.578	96	74886	4.752	ug/L	85
13) Acetone	2.623	43	127909	44.436	ug/L	98
14) Carbon disulfide	2.790	76	224044	4.642	ug/L	99
15) Methyl Acetate	2.948	43	32841	4.693	ug/L	99
16) Methylene chloride	3.044	84	107477	4.619	ug/L	98
17) Methyl tert-butyl Ether	3.363	73	158239	4.383	ug/L	98
18) trans-1,2-Dichloroethene	3.350	96	77355	4.666	ug/L	99
19) 1,1-Dichloroethane	3.867	63	169491	4.954	ug/L	99
21) 2-Butanone	4.700	43	201686	44.459	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	85347	4.647	ug/L	97
23) Bromochloromethane	4.970	128	43015	4.909	ug/L	98
25) Chloroform	5.086	83	176864	4.949	ug/L	99

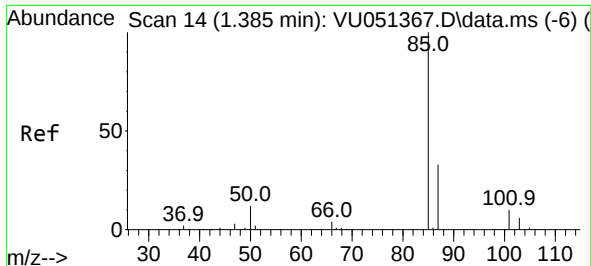
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101122\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	104460	4.880	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	132622	4.662	ug/L	98
30) Cyclohexane	5.388	56	98622	4.087	ug/L	99
31) Carbon tetrachloride	5.523	117	116172	4.826	ug/L	98
33) Benzene	5.771	78	367439	4.636	ug/L	100
34) Trichloroethene	6.539	95	88646	4.483	ug/L	97
35) Methylcyclohexane	6.761	83	107184	4.296	ug/L	99
37) 1,2-Dichloropropane	6.790	63	102455	4.716	ug/L	99
38) Bromodichloromethane	7.105	83	123812	4.777	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	112173	4.296	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	502570	44.092	ug/L	98
42) Toluene	7.967	91	384875	4.574	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	101453	4.493	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	70273	4.607	ug/L	98
47) Tetrachloroethene	8.552	164	64265	4.420	ug/L	98
48) 2-Hexanone	8.681	43	393779	46.398	ug/L	99
49) Dibromochloromethane	8.809	129	80133	4.678	ug/L	99
50) 1,2-Dibromoethane	8.922	107	63501	4.677	ug/L	98
51) Chlorobenzene	9.446	112	234516	4.665	ug/L	100
52) Ethylbenzene	9.568	91	337465	4.463	ug/L	98
53) m,p-Xylene	9.693	106	132382	4.515	ug/L	96
54) o-Xylene	10.099	106	127342	4.590	ug/L	99
55) Styrene	10.111	104	224851	4.708	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	90567	4.797	ug/L	99
59) Bromoform	10.291	173	41500	4.136	ug/L	99
60) Isopropylbenzene	10.481	105	333038	4.359	ug/L	100
61) 1,2,3-Trichloropropane	10.819	75	63768	4.187	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	78660	3.881	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	222346	3.879	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	172144	4.555	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	171027	4.592	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	163244	4.444	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.996	75	12817	4.399	ug/L	94
69) 1,3,5-Trichlorobenzene	13.217	180	117326	4.504	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	85835	4.636	ug/L	95
71) Naphthalene	14.086	128	121330	3.526	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	81689	4.266	ug/L	100

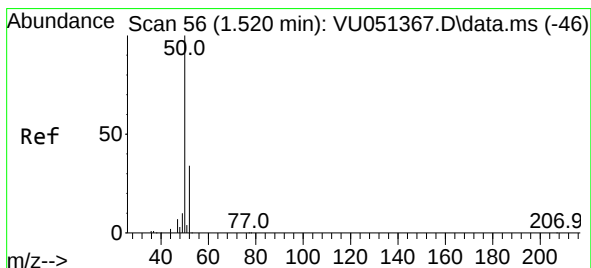
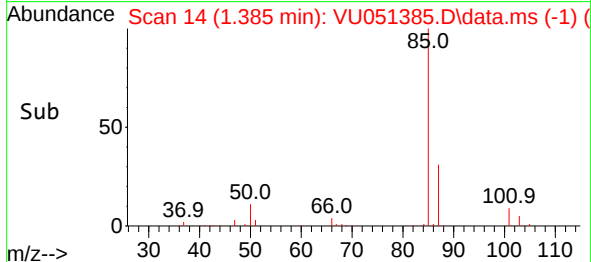
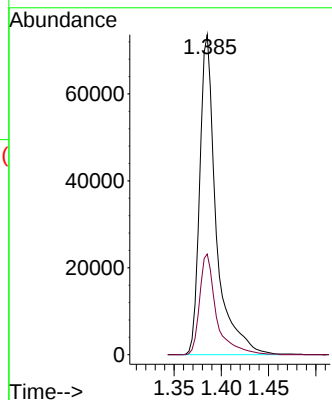
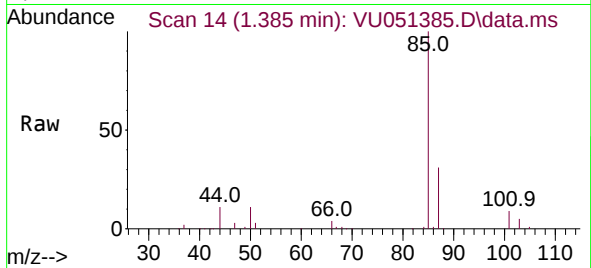
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#2
 Dichlorodifluoromethane
 Concen: 5.062 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU051385.D
 Acq: 11 Oct 2022 20:10

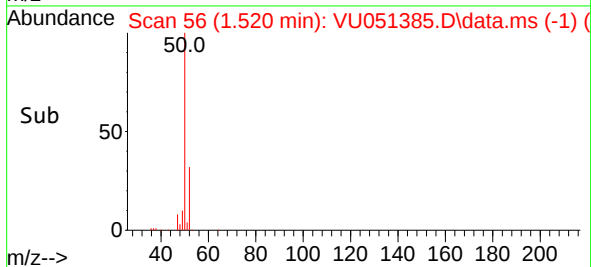
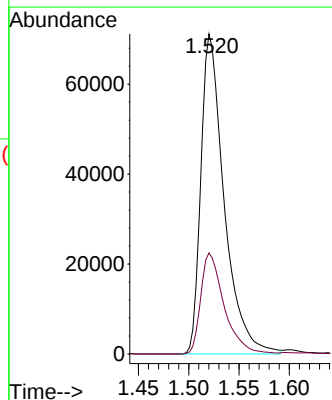
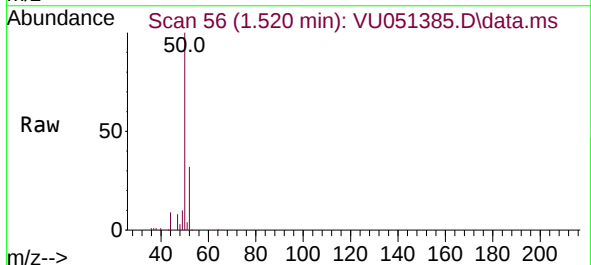
Instrument :
 MSVOA_U
 ClientSampleId :
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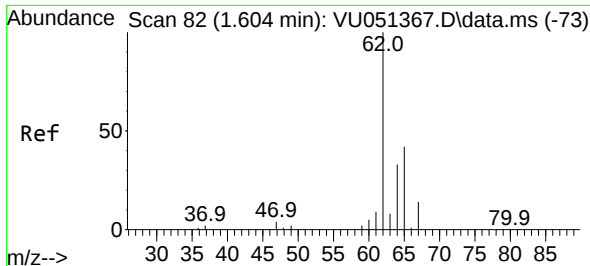
Tgt Ion: 85 Resp: 89227
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.2 39.4



#3
 Chloromethane
 Concen: 4.625 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU051385.D
 Acq: 11 Oct 2022 20:10

Tgt Ion: 50 Resp: 114487
 Ion Ratio Lower Upper
 50 100
 52 31.6 22.9 42.5

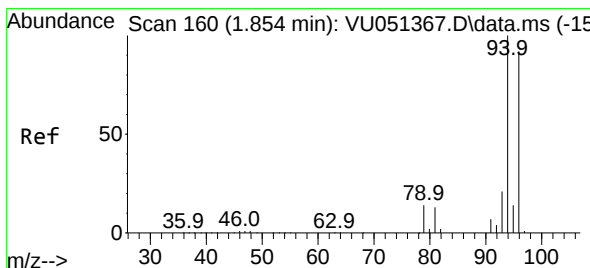
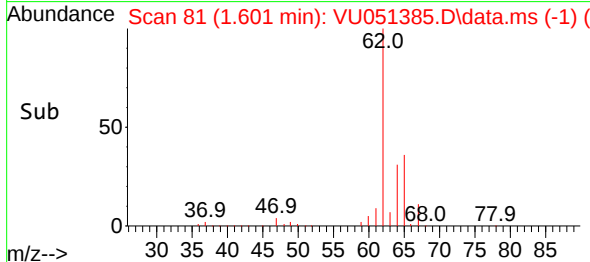
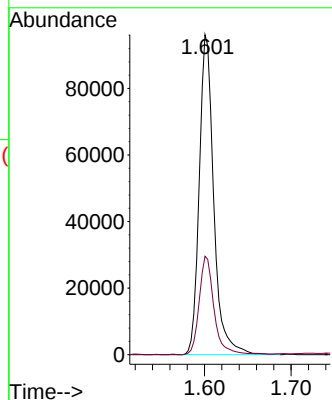
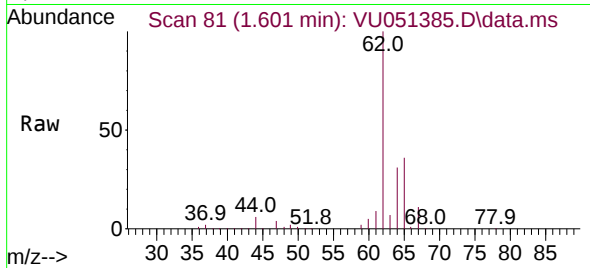




#5
 Vinyl chloride
 Concen: 4.612 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU051385.D
 Acq: 11 Oct 2022 20:10

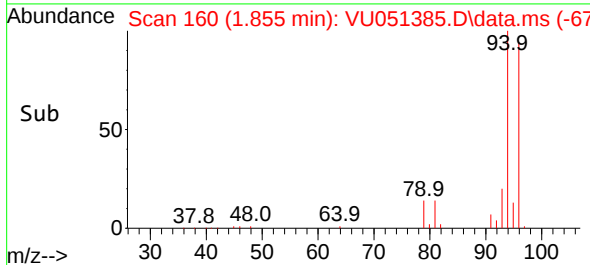
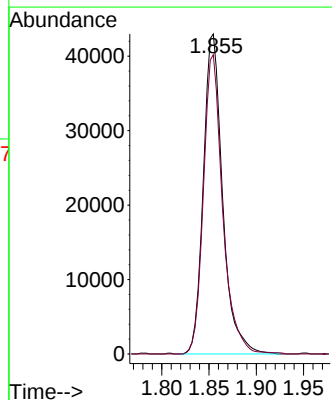
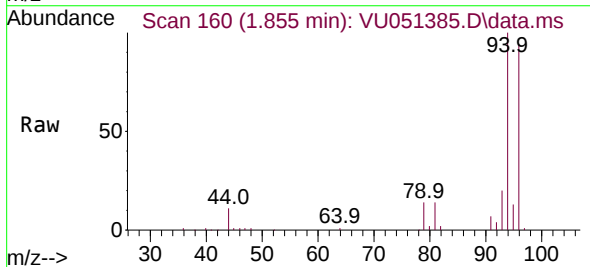
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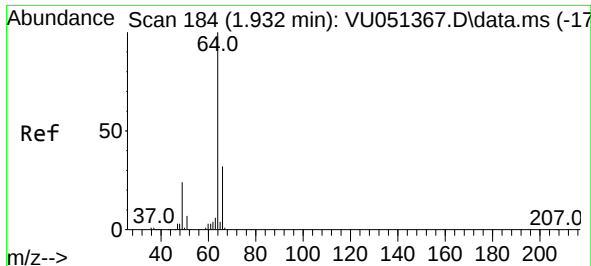
Tgt Ion: 62 Resp: 111961
 Ion Ratio Lower Upper
 62 100
 64 30.8 24.0 44.6



#6
 Bromomethane
 Concen: 4.601 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. 0.000 min
 Lab File: VU051385.D
 Acq: 11 Oct 2022 20:10

Tgt Ion: 94 Resp: 60835
 Ion Ratio Lower Upper
 94 100
 96 93.5 64.9 120.5

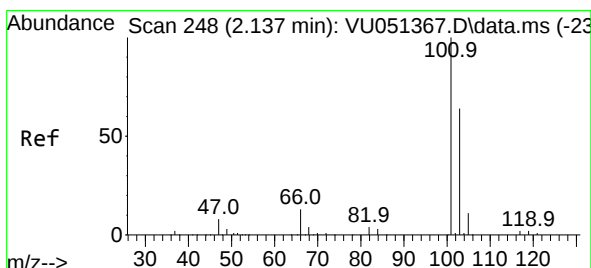
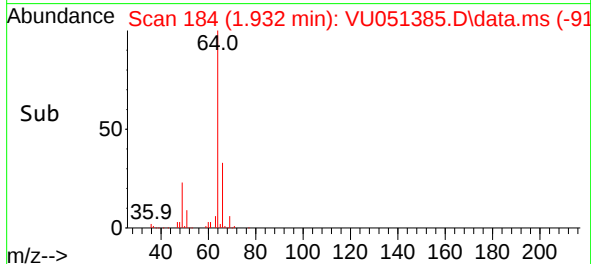
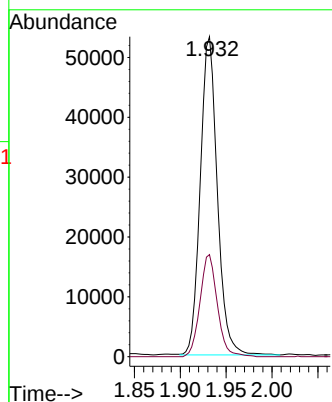
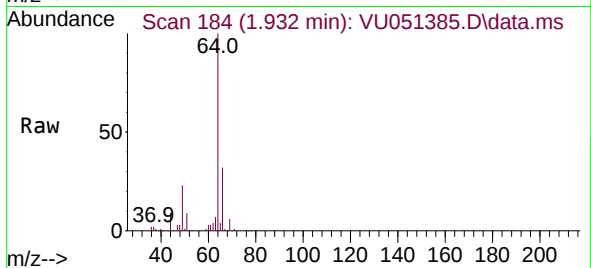




#8
Chloroethane
Concen: 4.444 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

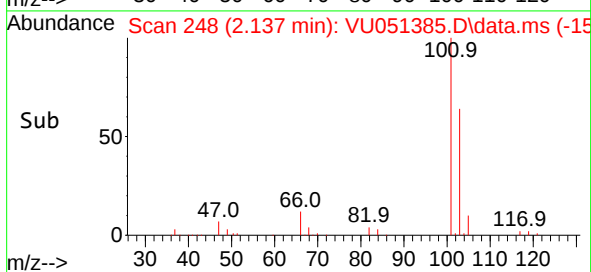
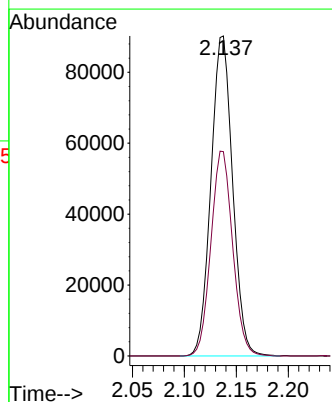
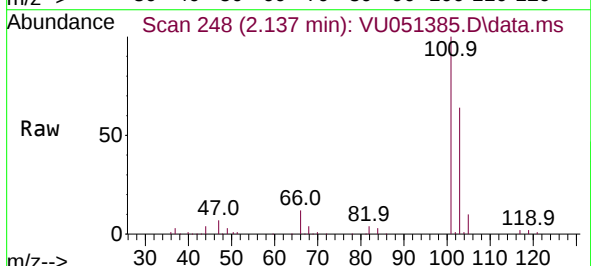
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ClientSampleId :
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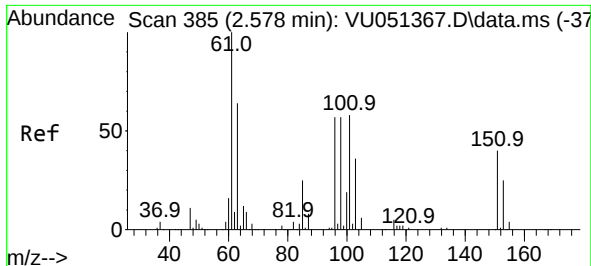
Tgt Ion: 64 Resp: 68814
Ion Ratio Lower Upper
64 100
66 31.9 22.3 41.3



#9
Trichlorofluoromethane
Concen: 4.670 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

Tgt Ion: 101 Resp: 130688
Ion Ratio Lower Upper
101 100
103 64.2 52.2 78.2

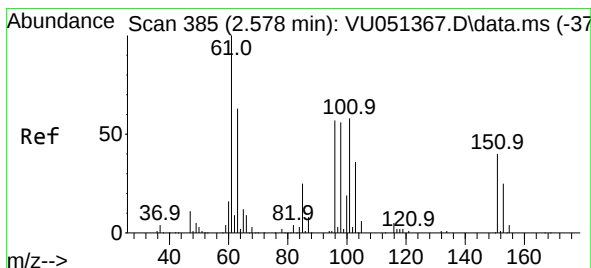
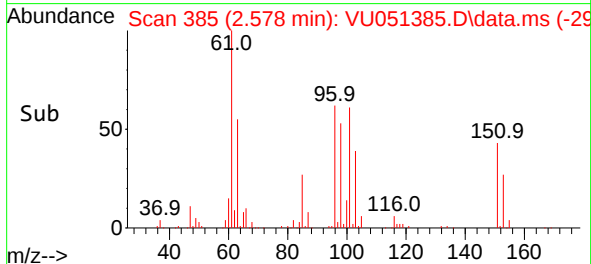
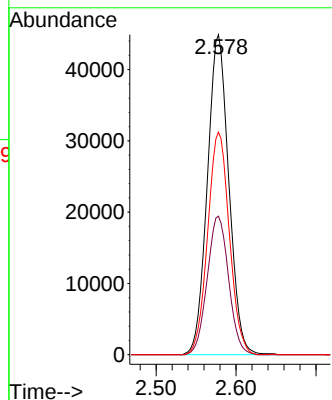
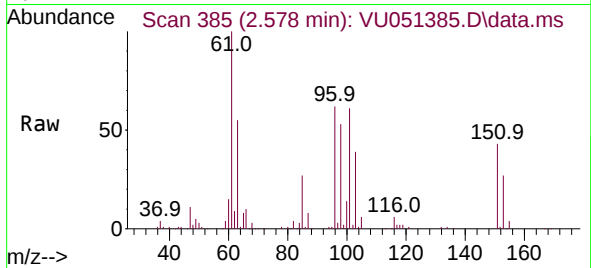




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.989 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051385.D
 Acq: 11 Oct 2022 20:10

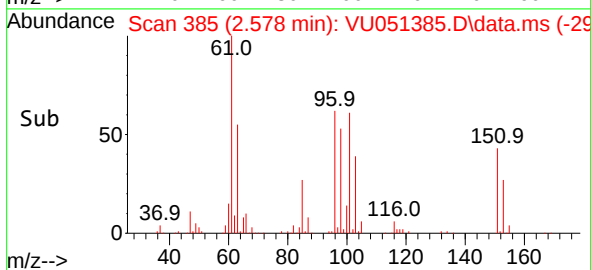
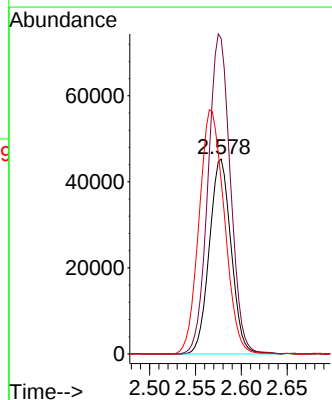
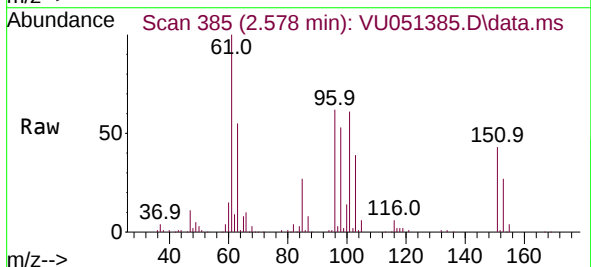
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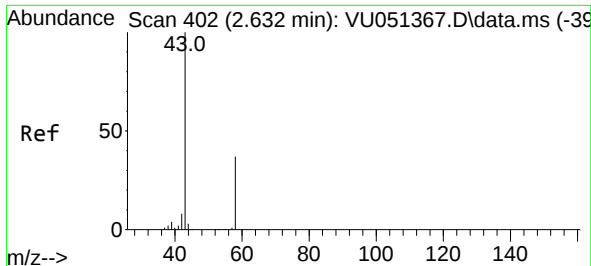
Tgt Ion: 101 Resp: 83791
 Ion Ratio Lower Upper
 101 100
 85 43.2 34.6 51.8
 151 70.2 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 4.752 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051385.D
 Acq: 11 Oct 2022 20:10

Tgt Ion: 96 Resp: 74886
 Ion Ratio Lower Upper
 96 100
 61 161.8 117.6 218.4
 63 88.9 85.2 158.2





#13

Acetone

Concen: 44.436 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.010 min

Lab File: VU051385.D

Acq: 11 Oct 2022 20:10

Instrument :

MSVOA_U

ClientSampleId :

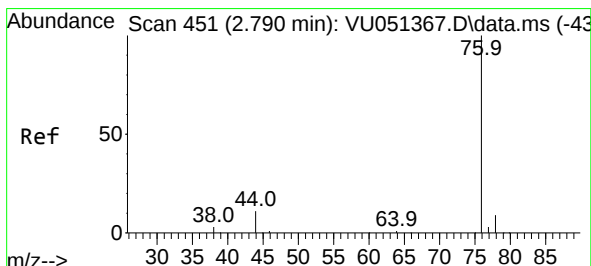
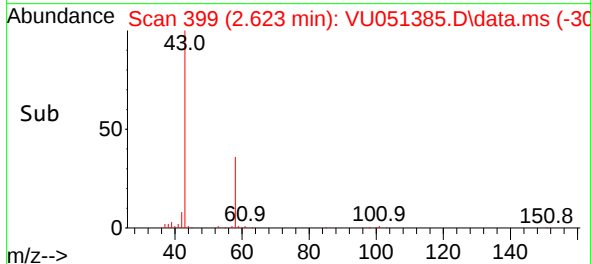
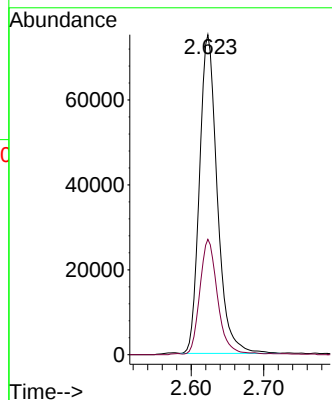
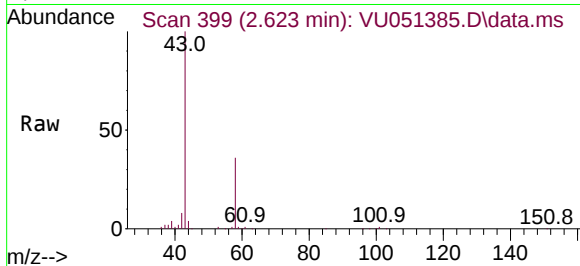
BFB155

Tgt Ion: 43 Resp: 127909

Ion Ratio Lower Upper

43 100

58 35.4 0.0 68.8



#14

Carbon disulfide

Concen: 4.642 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051385.D

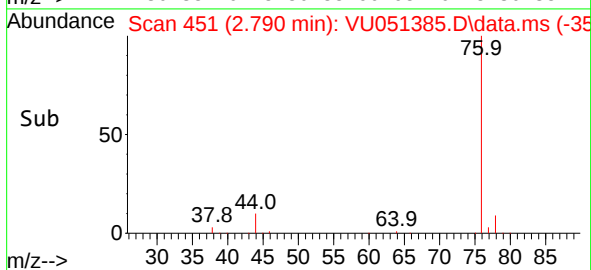
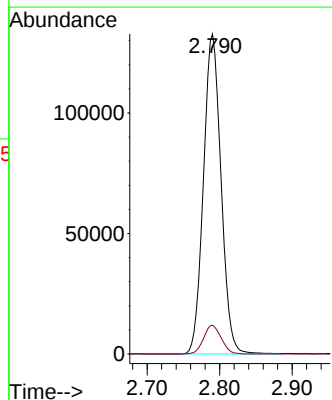
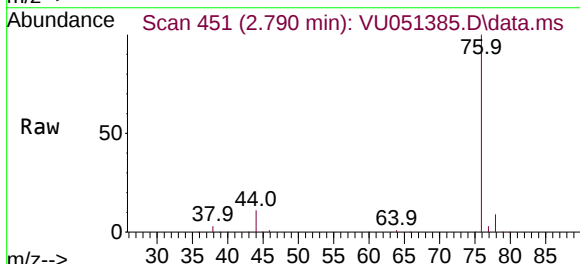
Acq: 11 Oct 2022 20:10

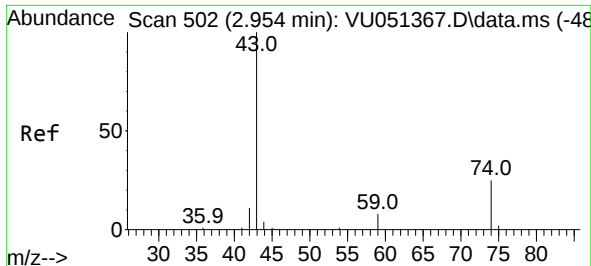
Tgt Ion: 76 Resp: 224044

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

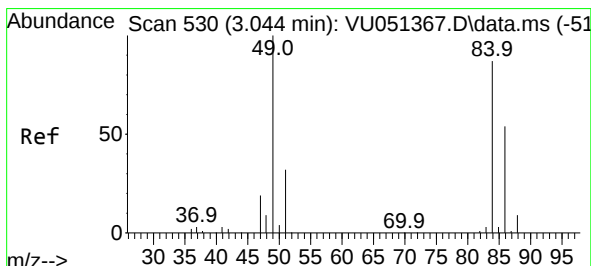
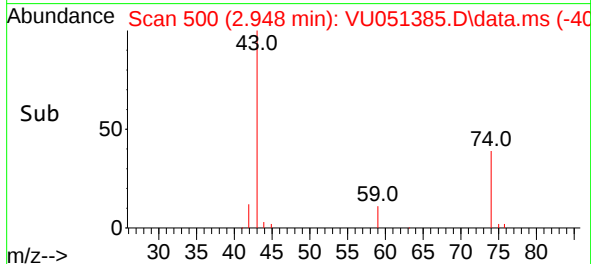
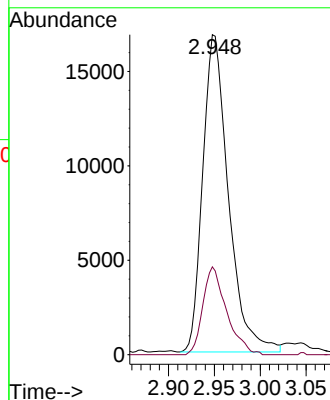
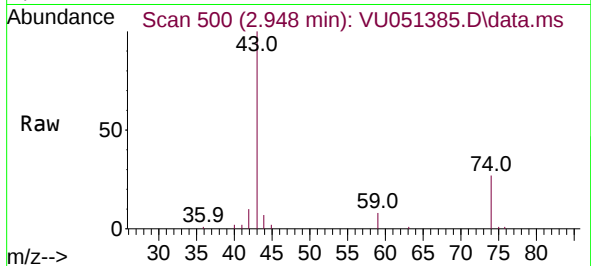




#15
Methyl Acetate
Concen: 4.693 ug/L
RT: 2.948 min Scan# 502
Delta R.T. -0.006 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

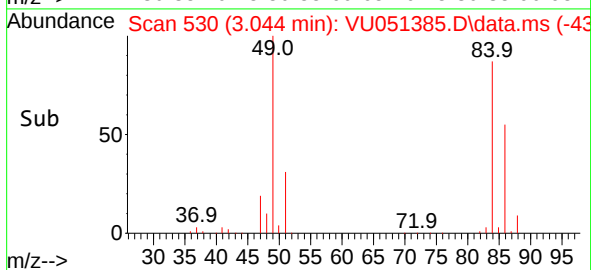
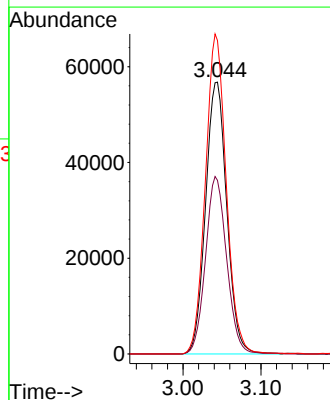
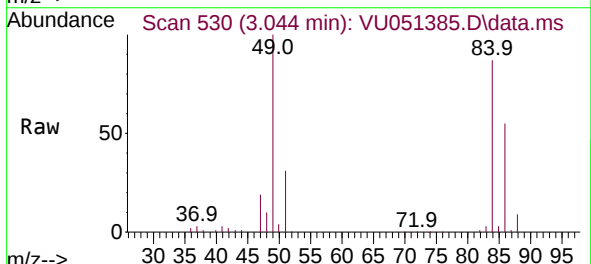
Instrument :
MSVOA_U
ClientSampleId :
BFB155

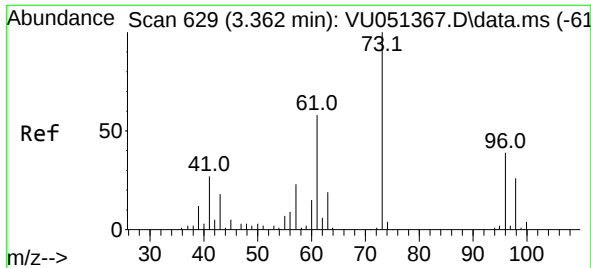
Tgt Ion: 43 Resp: 32841
Ion Ratio Lower Upper
43 100
74 25.5 20.0 30.0



#16
Methylene chloride
Concen: 4.619 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

Tgt Ion: 84 Resp: 107477
Ion Ratio Lower Upper
84 100
86 63.9 46.5 86.3
49 115.3 81.3 151.1

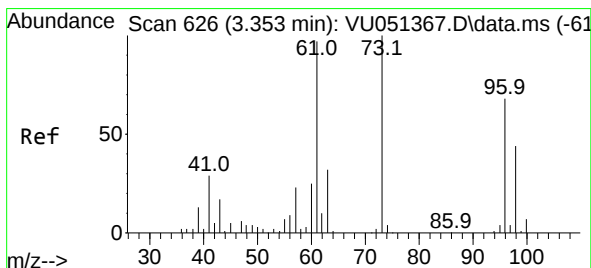
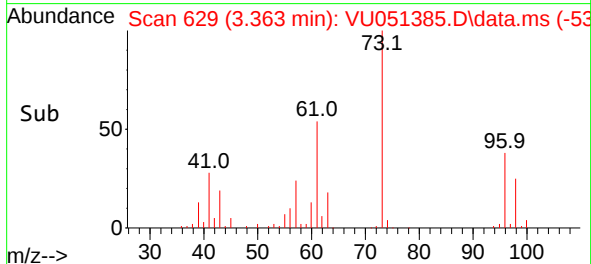
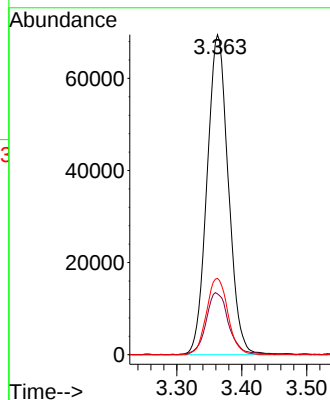
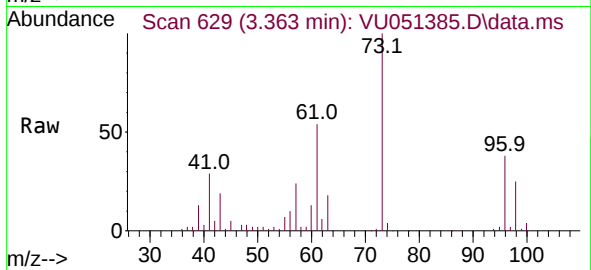




#17
Methyl tert-butyl Ether
Concen: 4.383 ug/L
RT: 3.363 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

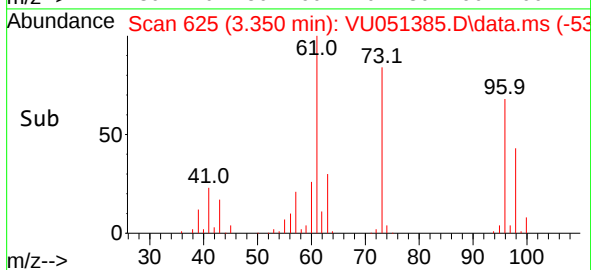
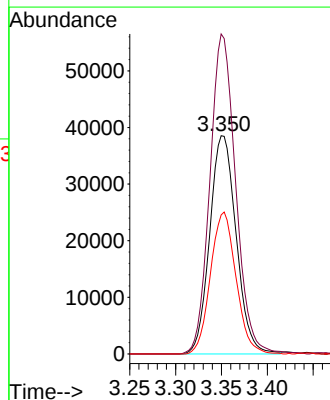
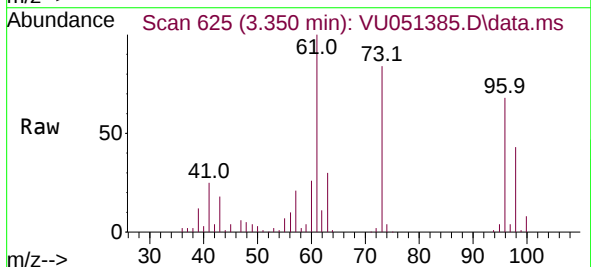
Instrument :
MSVOA_U
ClientSampleId :
BFB155

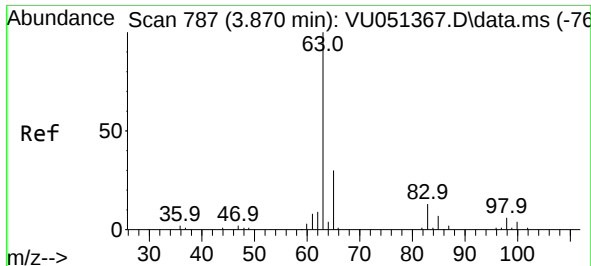
Tgt Ion: 73 Resp: 158239
Ion Ratio Lower Upper
73 100
43 20.7 15.4 23.0
57 24.0 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 4.666 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.003 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

Tgt Ion: 96 Resp: 77355
Ion Ratio Lower Upper
96 100
61 146.7 101.4 188.2
98 63.7 44.9 83.5





#19

1,1-Dichloroethane

Concen: 4.954 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.003 min

Lab File: VU051385.D

Acq: 11 Oct 2022 20:10

Instrument :

MSVOA_U

ClientSampleId :

BFB155

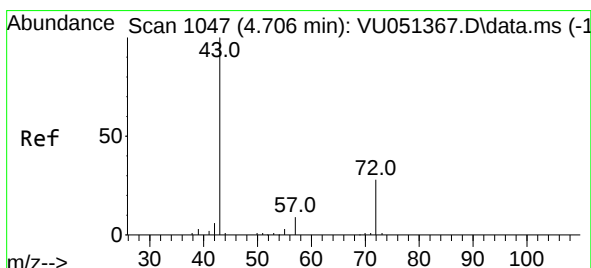
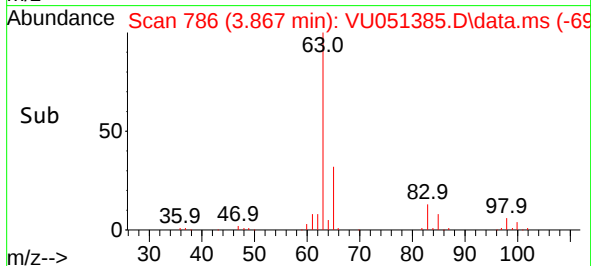
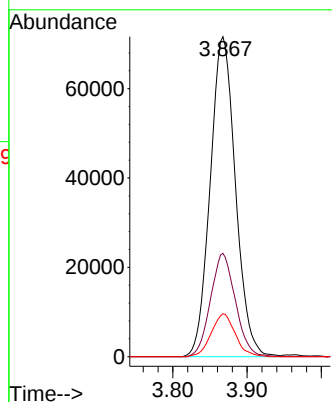
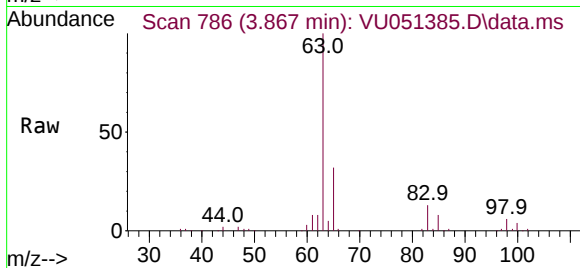
Tgt Ion: 63 Resp: 169491

Ion Ratio Lower Upper

63 100

65 32.3 22.0 41.0

83 13.4 9.0 16.6



#21

2-Butanone

Concen: 44.459 ug/L

RT: 4.700 min Scan# 1045

Delta R.T. -0.006 min

Lab File: VU051385.D

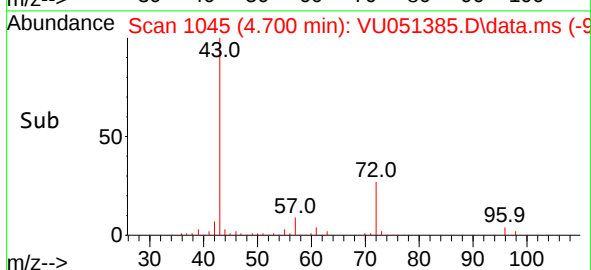
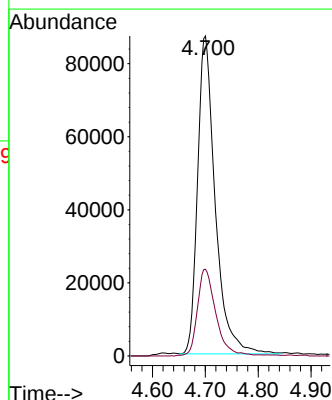
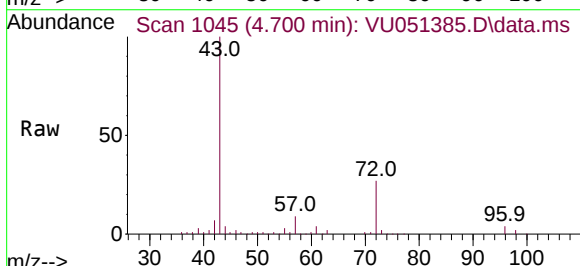
Acq: 11 Oct 2022 20:10

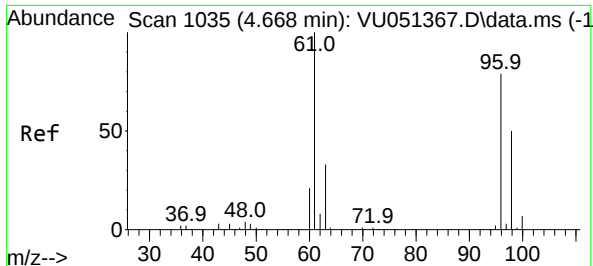
Tgt Ion: 43 Resp: 201686

Ion Ratio Lower Upper

43 100

72 28.5 13.8 41.4

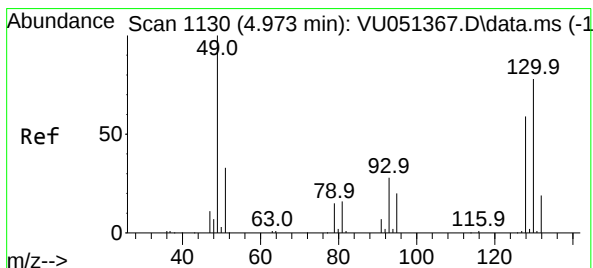
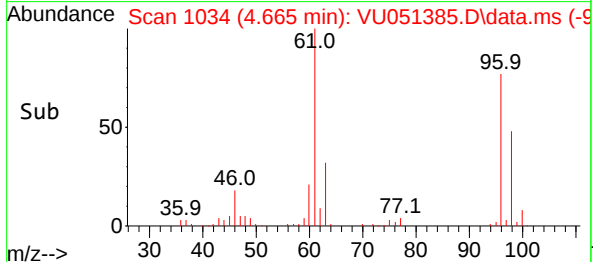
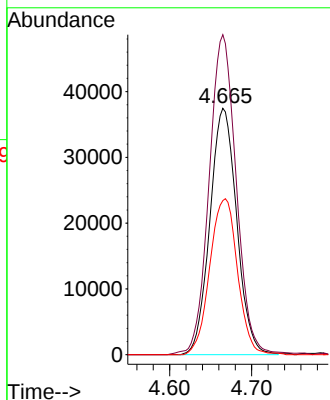
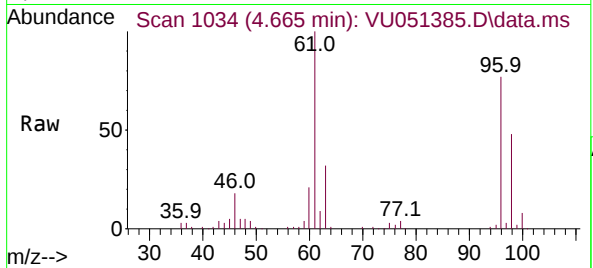




#22
 cis-1,2-Dichloroethene
 Concen: 4.647 ug/L
 RT: 4.665 min Scan# 1103
 Delta R.T. -0.003 min
 Lab File: VU051385.D
 Acq: 11 Oct 2022 20:10

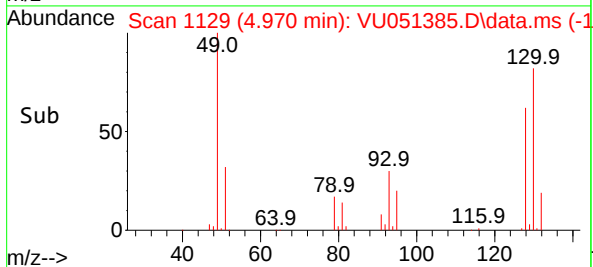
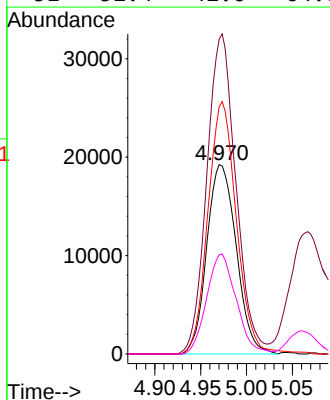
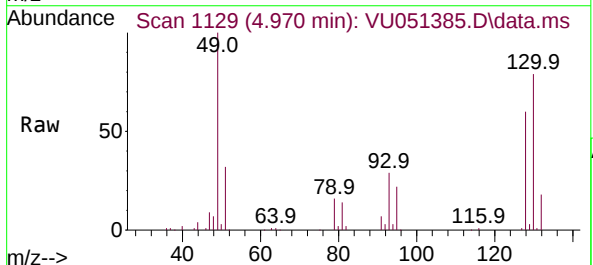
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB155

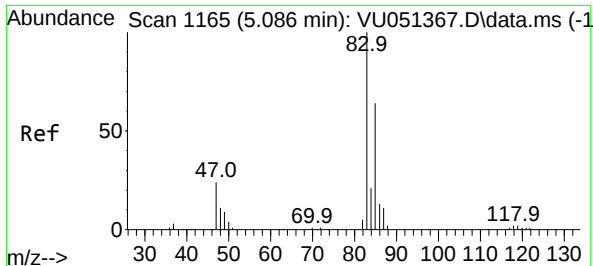
Tgt Ion: 96 Resp: 85347
 Ion Ratio Lower Upper
 96 100
 61 129.9 90.6 168.2
 98 62.6 47.5 88.3



#23
 Bromochloromethane
 Concen: 4.909 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. -0.003 min
 Lab File: VU051385.D
 Acq: 11 Oct 2022 20:10

Tgt Ion: 128 Resp: 43015
 Ion Ratio Lower Upper
 128 100
 49 166.2 118.0 219.2
 130 130.6 88.8 164.8
 51 52.4 42.6 64.0





#25

Chloroform

Concen: 4.949 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051385.D

Acq: 11 Oct 2022 20:10

Instrument :

MSVOA_U

ClientSampleId :

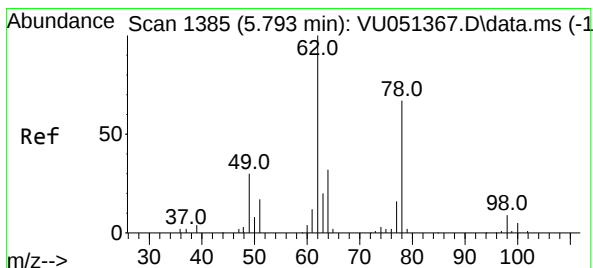
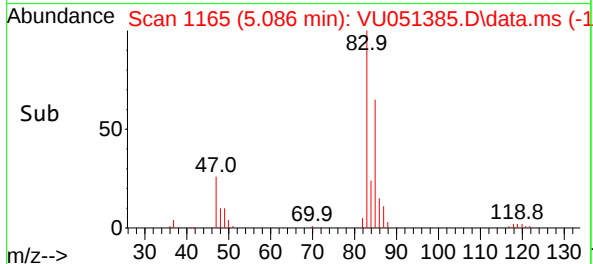
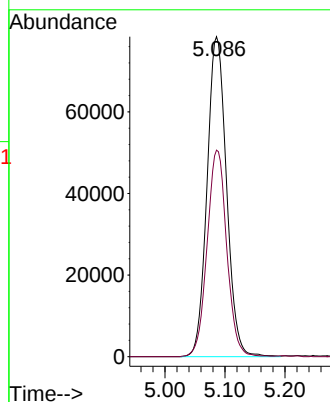
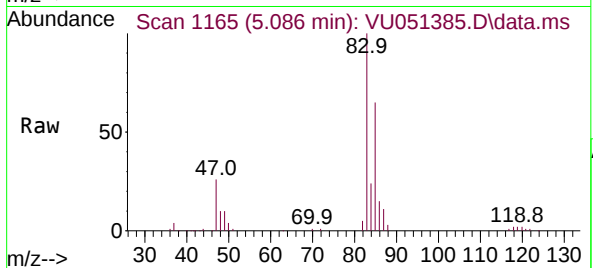
BFB155

Tgt Ion: 83 Resp: 176864

Ion Ratio Lower Upper

83 100

85 64.6 45.6 84.6



#27

1,2-Dichloroethane

Concen: 4.880 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU051385.D

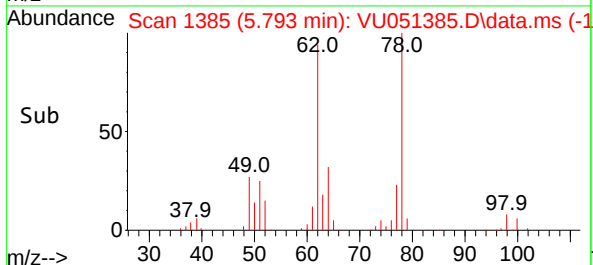
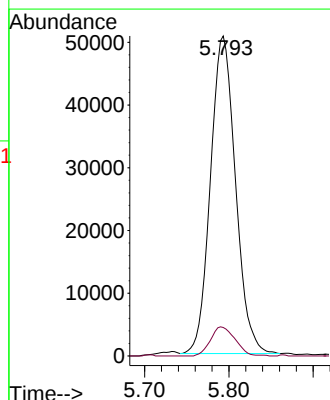
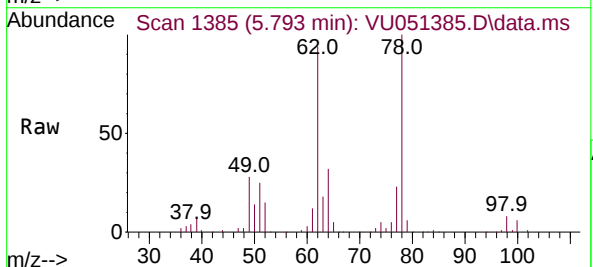
Acq: 11 Oct 2022 20:10

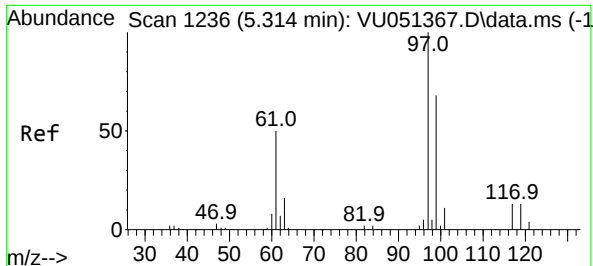
Tgt Ion: 62 Resp: 104460

Ion Ratio Lower Upper

62 100

98 8.9 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 4.662 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051385.D

Acq: 11 Oct 2022 20:10

Instrument :

MSVOA_U

ClientSampleId :

BFB155

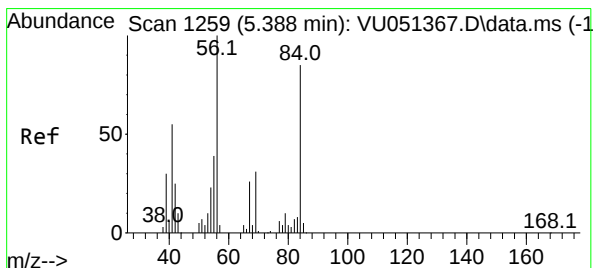
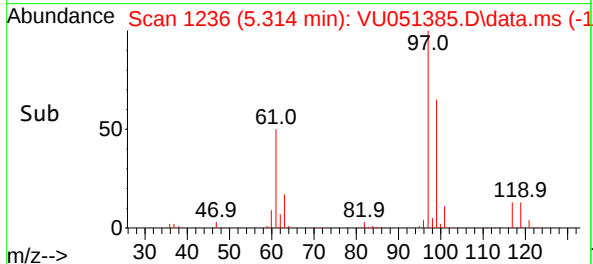
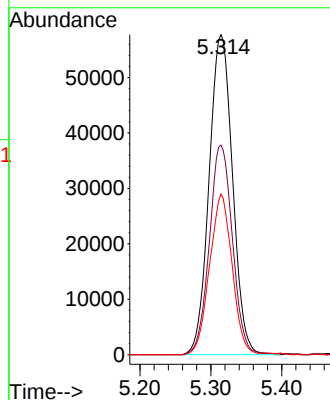
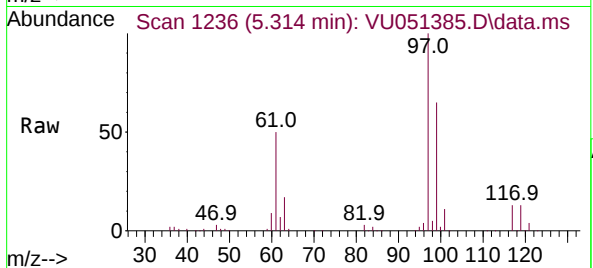
Tgt Ion: 97 Resp: 132622

Ion Ratio Lower Upper

97 100

99 64.7 50.2 75.4

61 48.2 38.7 58.1



#30

Cyclohexane

Concen: 4.087 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU051385.D

Acq: 11 Oct 2022 20:10

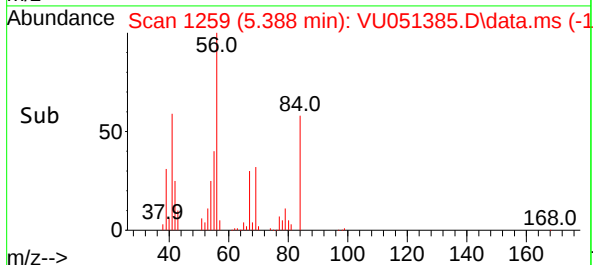
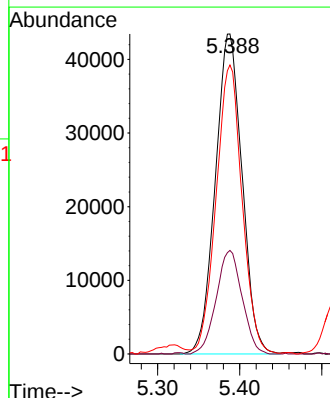
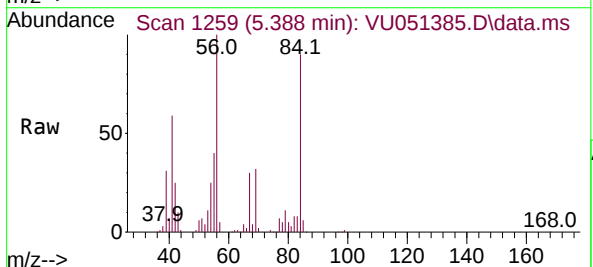
Tgt Ion: 56 Resp: 98622

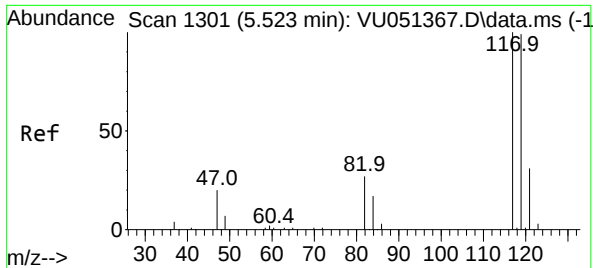
Ion Ratio Lower Upper

56 100

69 31.2 25.1 37.7

84 87.3 70.9 106.3

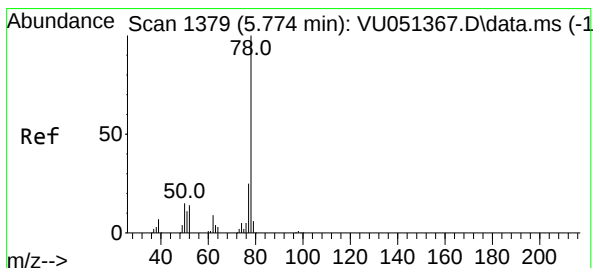
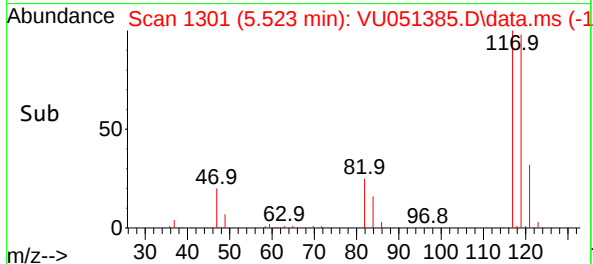
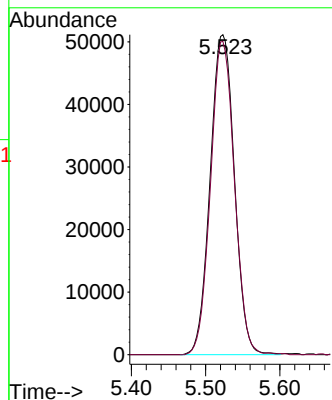
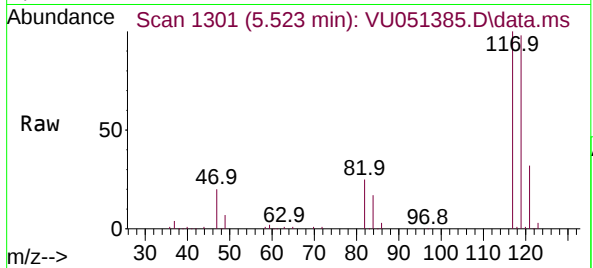




#31
Carbon tetrachloride
Concen: 4.826 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

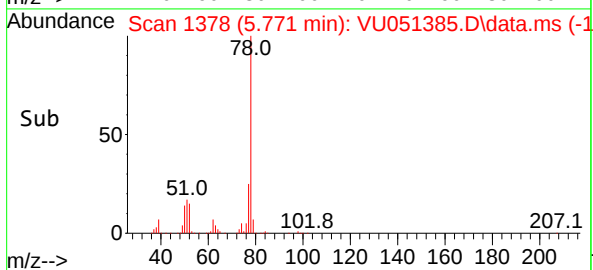
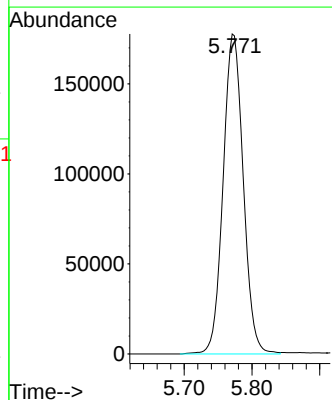
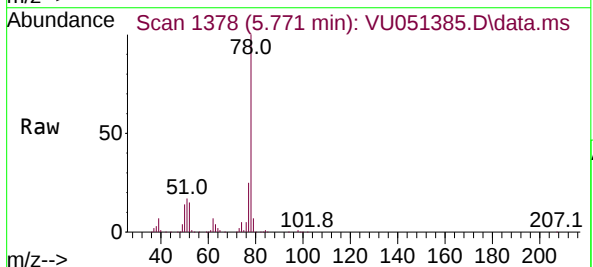
Instrument :
MSVOA_U
ClientSampleId :
BFB155

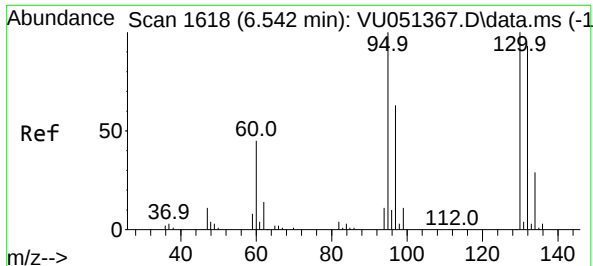
Tgt Ion:117 Resp: 116172
Ion Ratio Lower Upper
117 100
119 96.1 78.4 117.6



#33
Benzene
Concen: 4.636 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

Tgt Ion: 78 Resp: 367439



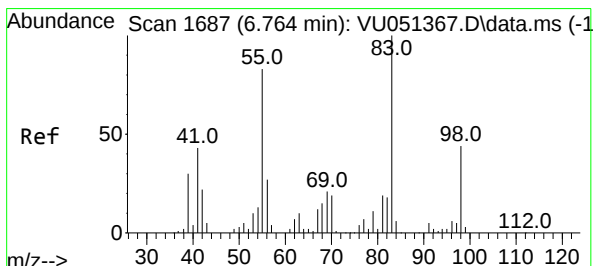
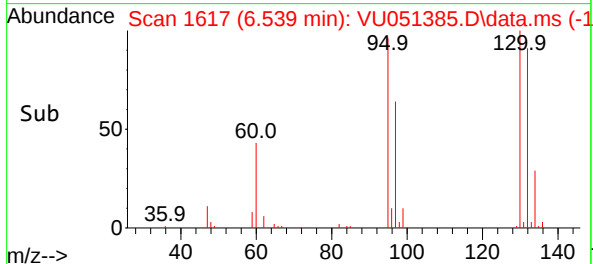
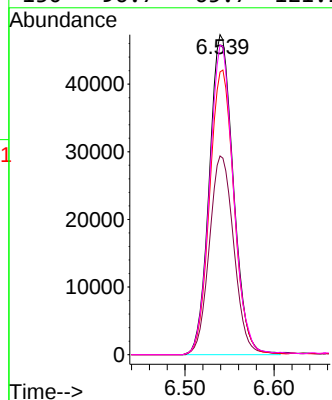
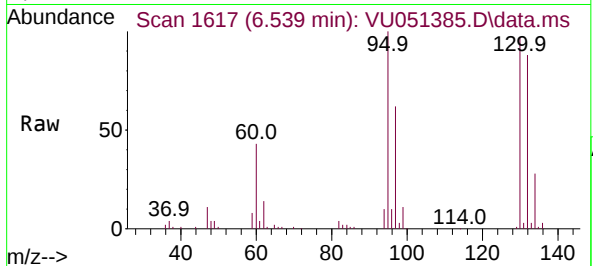


#34
Trichloroethene
Concen: 4.483 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

Instrument :
MSVOA_U
ClientSampleId :
BFB155

Tgt Ion: 95 Resp: 88646

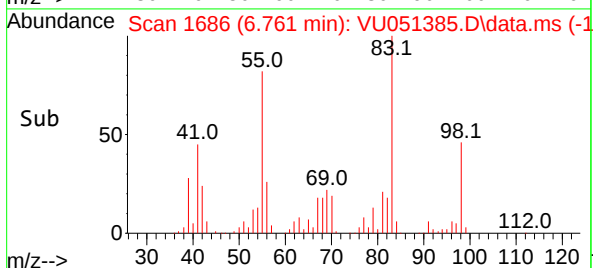
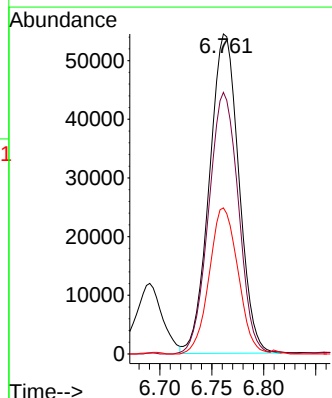
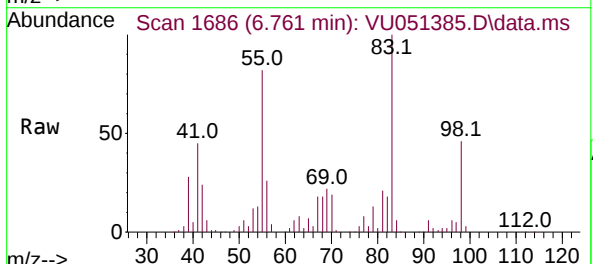
Ion	Ratio	Lower	Upper
95	100		
97	62.1	45.4	84.2
132	88.4	63.1	117.3
130	96.7	65.7	121.9

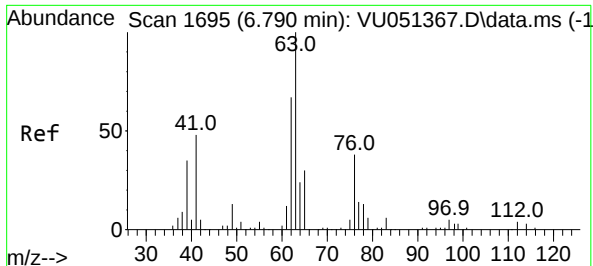


#35
Methylcyclohexane
Concen: 4.296 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

Tgt Ion: 83 Resp: 107184

Ion	Ratio	Lower	Upper
83	100		
55	83.2	65.8	98.6
98	44.7	35.9	53.9

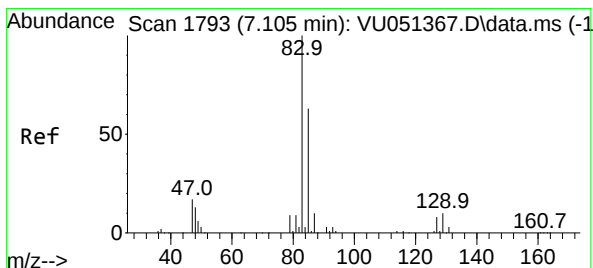
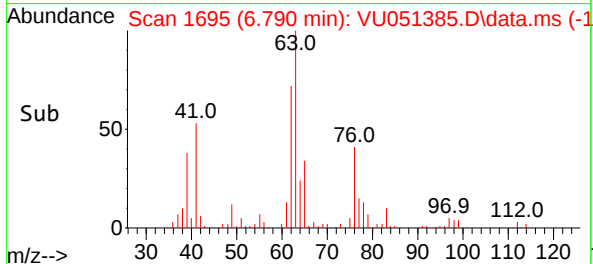
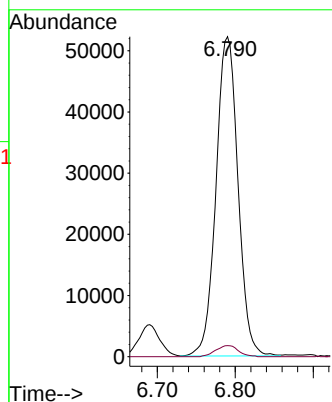
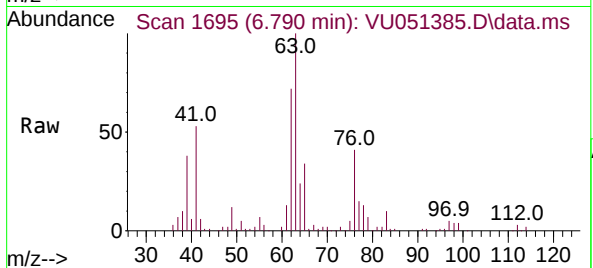




#37
1,2-Dichloropropane
Concen: 4.716 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. 0.000 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

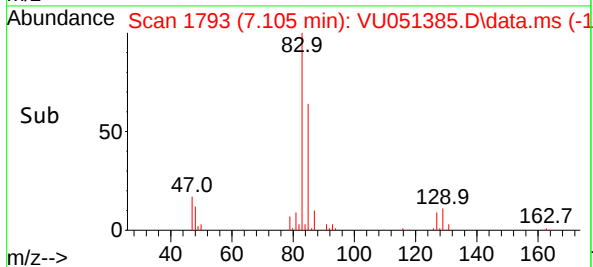
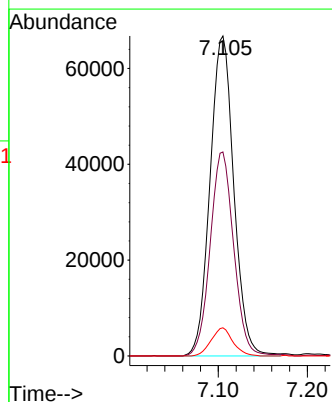
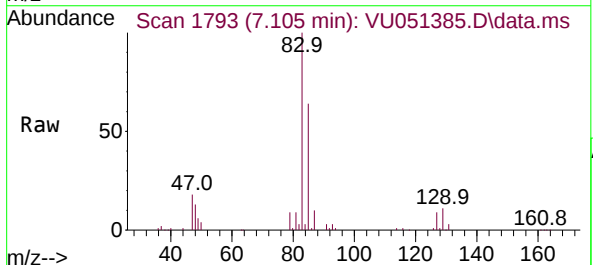
Instrument :
MSVOA_U
ClientSampleId :
BFB155

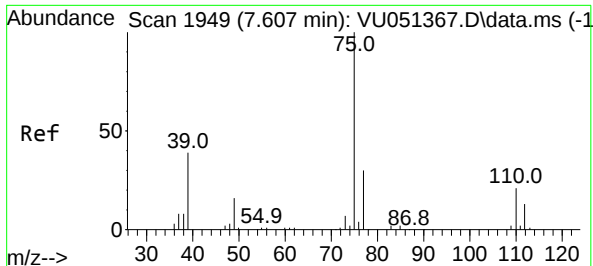
Tgt Ion: 63 Resp: 102455
Ion Ratio Lower Upper
63 100
112 3.6 3.2 4.8



#38
Bromodichloromethane
Concen: 4.777 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

Tgt Ion: 83 Resp: 123812
Ion Ratio Lower Upper
83 100
85 63.7 44.8 83.2
127 8.8 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.296 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU051385.D

Acq: 11 Oct 2022 20:10

Instrument :

MSVOA_U

ClientSampleId :

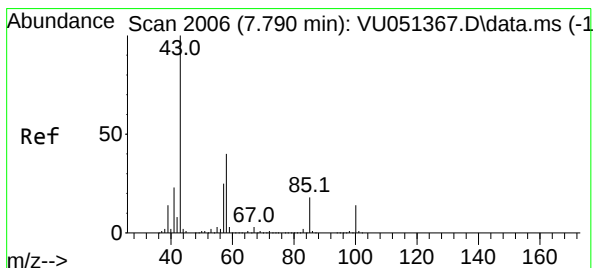
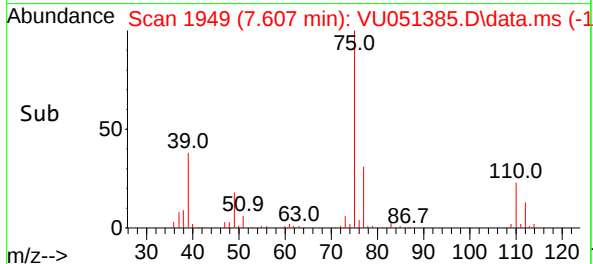
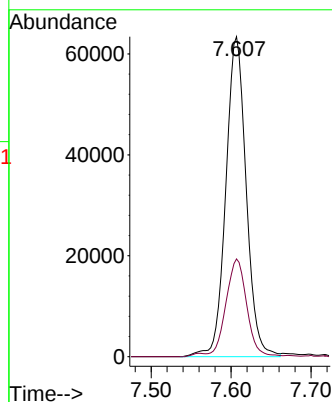
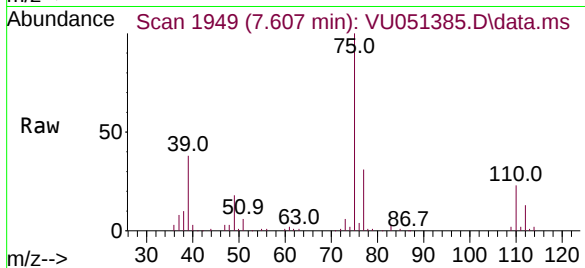
BFB155

Tgt Ion: 75 Resp: 112173

Ion Ratio Lower Upper

75 100

77 30.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 44.092 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU051385.D

Acq: 11 Oct 2022 20:10

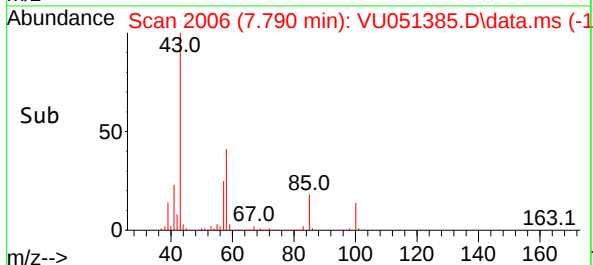
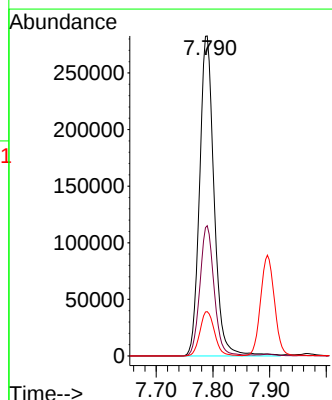
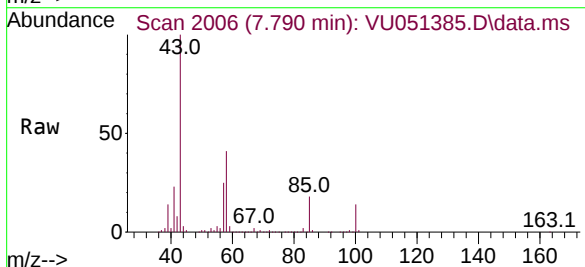
Tgt Ion: 43 Resp: 502570

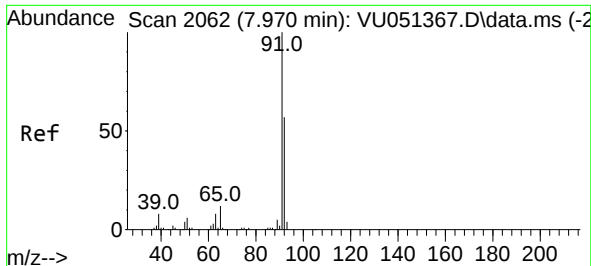
Ion Ratio Lower Upper

43 100

58 39.9 33.0 49.6

100 14.0 11.8 17.6





#42

Toluene

Concen: 4.574 ug/L

RT: 7.967 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU051385.D

Acq: 11 Oct 2022 20:10

Instrument :

MSVOA_U

ClientSampleId :

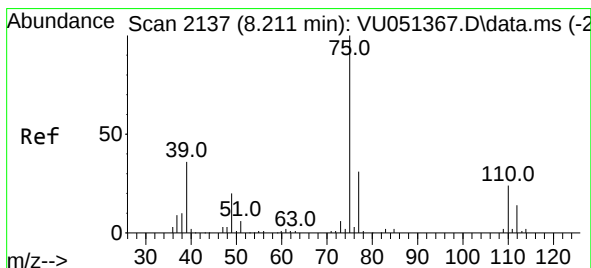
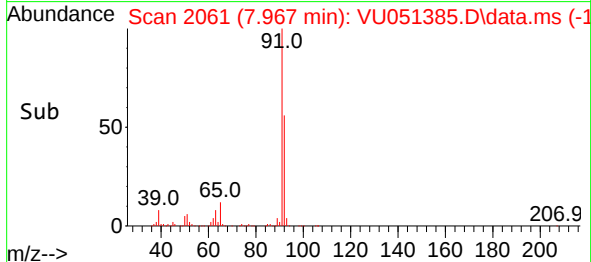
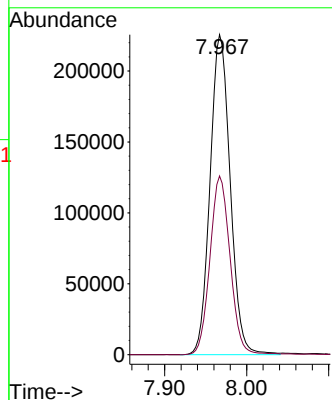
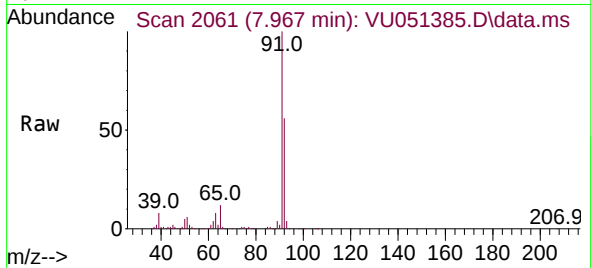
BFB155

Tgt Ion: 91 Resp: 384875

Ion Ratio Lower Upper

91 100

92 55.8 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 4.493 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU051385.D

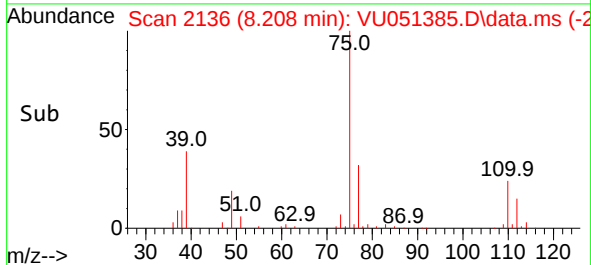
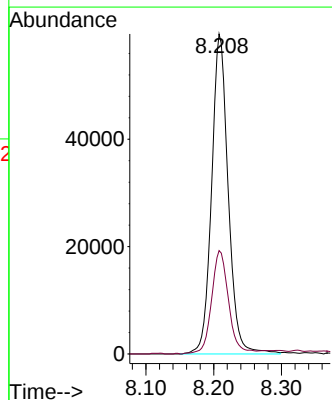
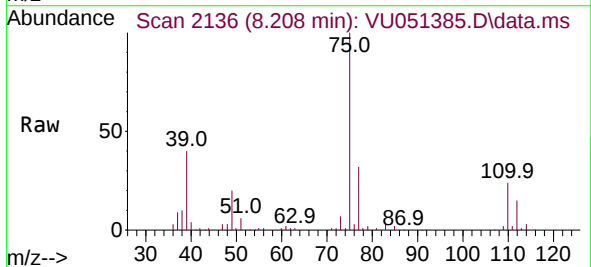
Acq: 11 Oct 2022 20:10

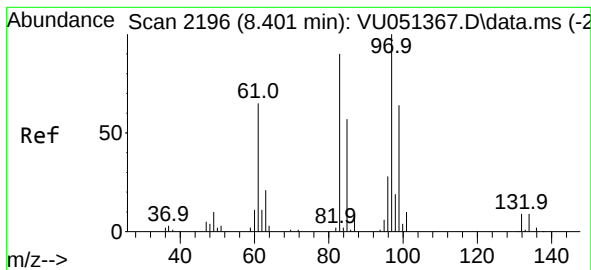
Tgt Ion: 75 Resp: 101453

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 4.607 ug/L

RT: 8.398 min Scan# 2196

Delta R.T. -0.003 min

Lab File: VU051385.D

Acq: 11 Oct 2022 20:10

Instrument :

MSVOA_U

ClientSampleId :

BFB155

Tgt Ion: 97 Resp: 70273

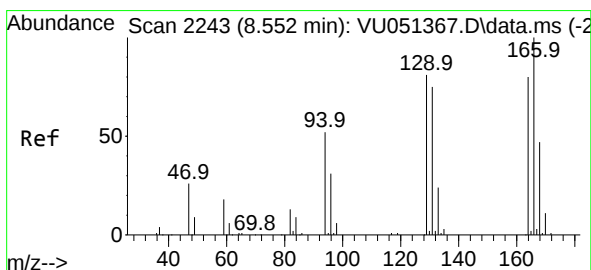
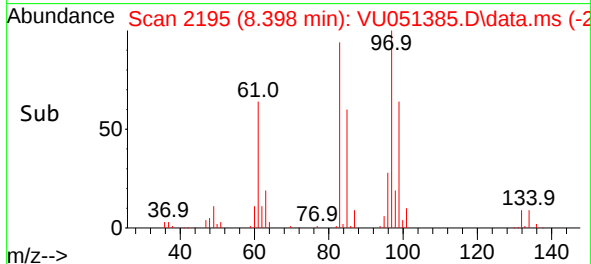
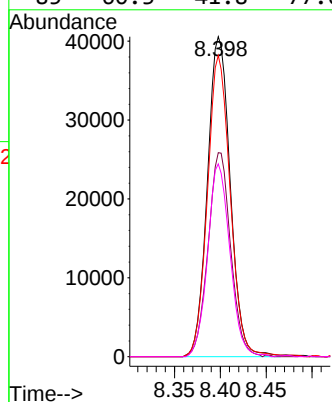
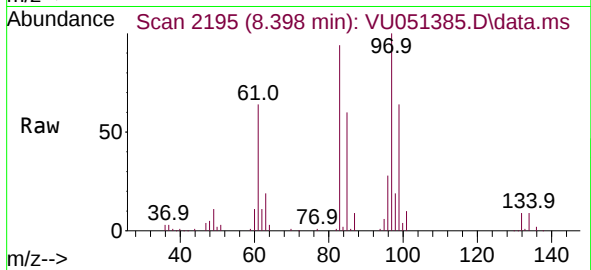
Ion Ratio Lower Upper

97 100

99 63.8 45.3 84.1

83 94.1 63.1 117.1

85 60.3 41.8 77.6



#47

Tetrachloroethene

Concen: 4.420 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU051385.D

Acq: 11 Oct 2022 20:10

Tgt Ion:164 Resp: 64265

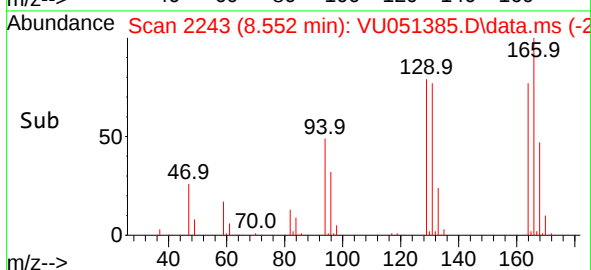
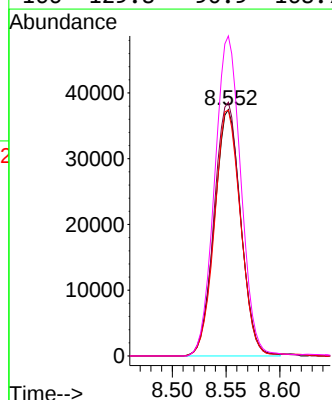
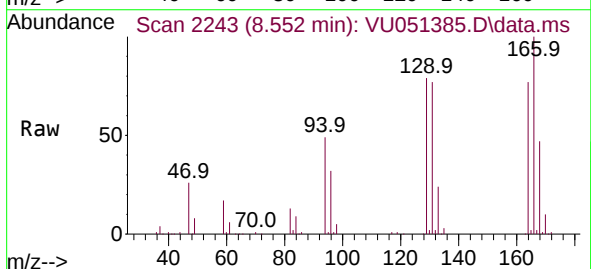
Ion Ratio Lower Upper

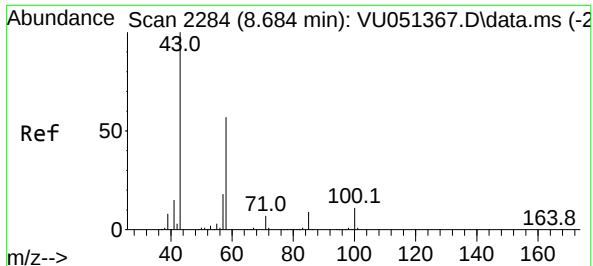
164 100

129 102.9 71.3 132.3

131 99.8 66.9 124.3

166 129.8 90.9 168.7

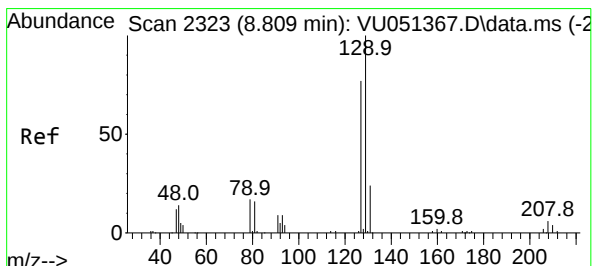
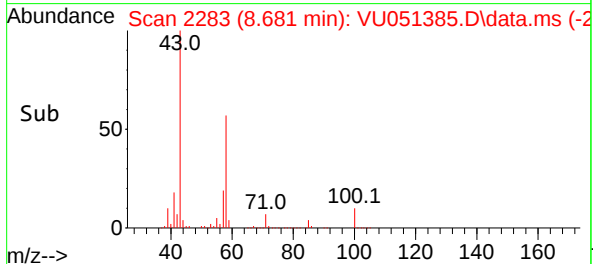
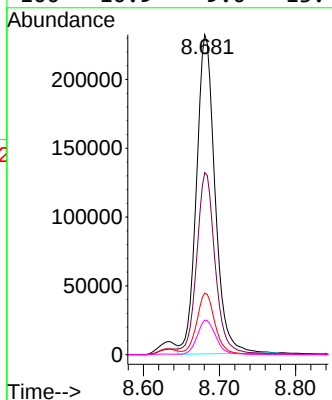
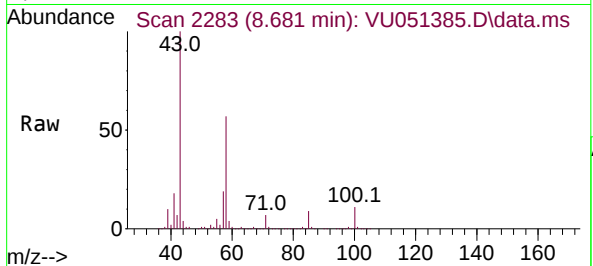




#48
2-Hexanone
Concen: 46.398 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

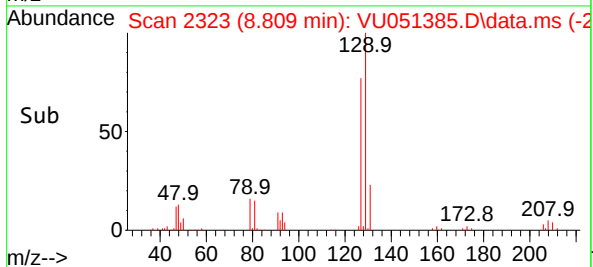
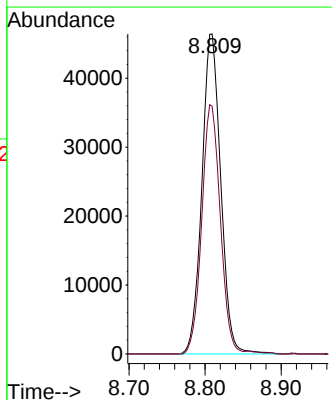
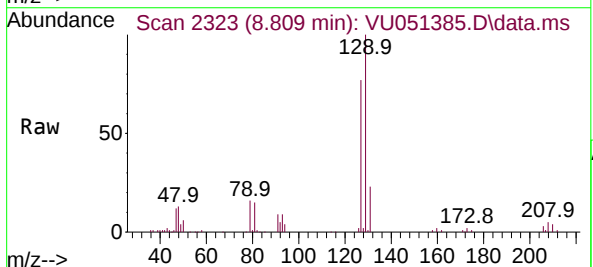
Instrument :
MSVOA_U
ClientSampleId :
BFB155

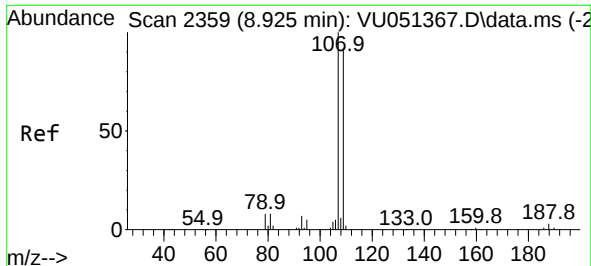
Tgt Ion: 43 Resp: 393779
Ion Ratio Lower Upper
43 100
58 59.5 48.2 72.2
57 19.2 15.5 23.3
100 10.9 9.0 13.4



#49
Dibromochloromethane
Concen: 4.678 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

Tgt Ion: 129 Resp: 80133
Ion Ratio Lower Upper
129 100
127 77.4 53.5 99.3





#50

1,2-Dibromoethane

Concen: 4.677 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU051385.D

Acq: 11 Oct 2022 20:10

Instrument :

MSVOA_U

ClientSampleId :

BFB155

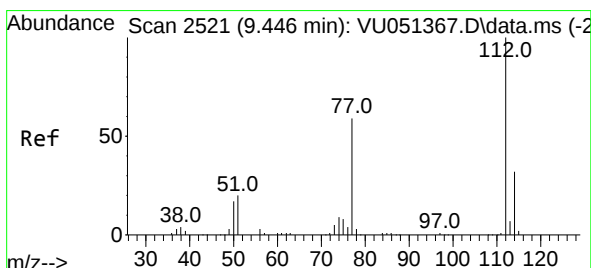
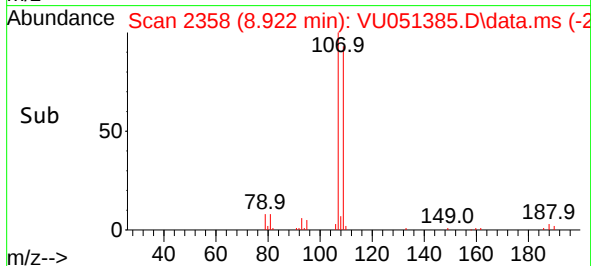
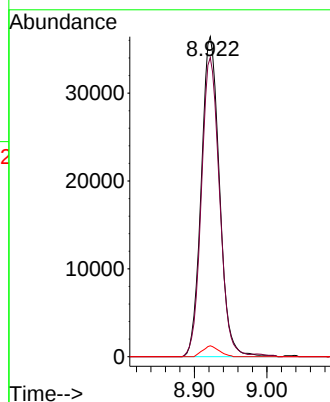
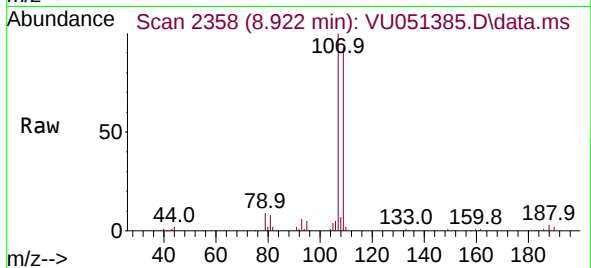
Tgt Ion:107 Resp: 63501

Ion Ratio Lower Upper

107 100

109 93.4 67.1 124.7

188 3.4 2.5 3.7



#51

Chlorobenzene

Concen: 4.665 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU051385.D

Acq: 11 Oct 2022 20:10

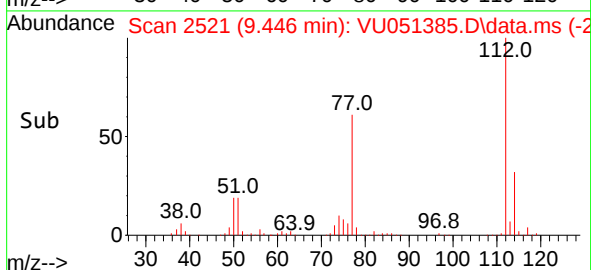
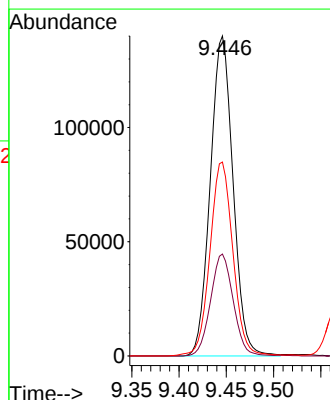
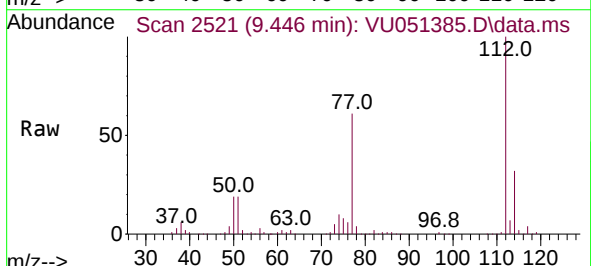
Tgt Ion:112 Resp: 234516

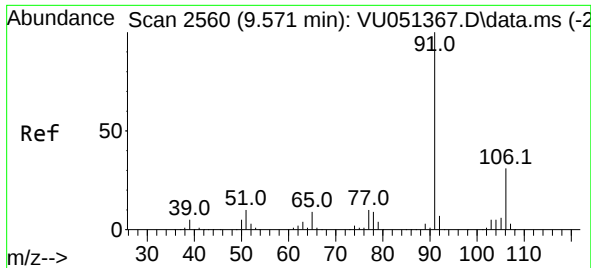
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.5

77 60.6 48.1 72.1

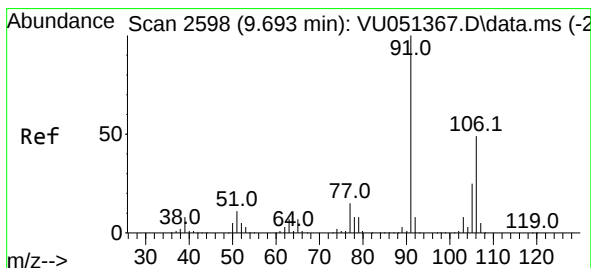
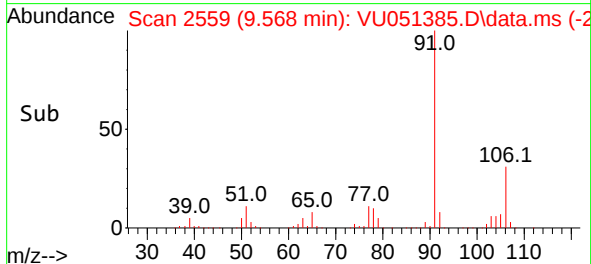
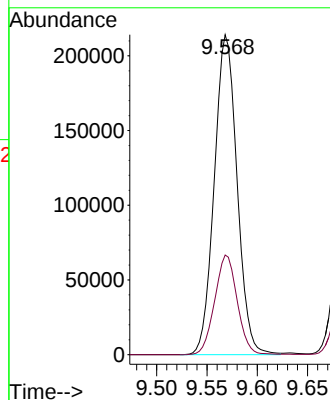
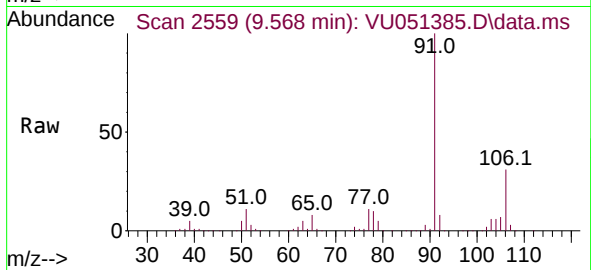




#52
Ethylbenzene
Concen: 4.463 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

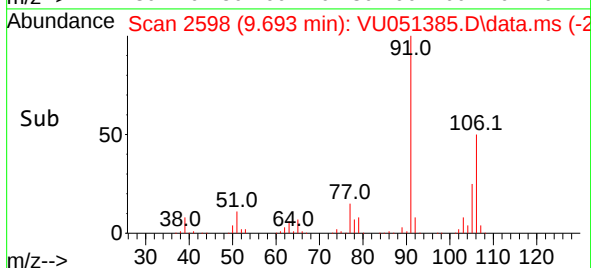
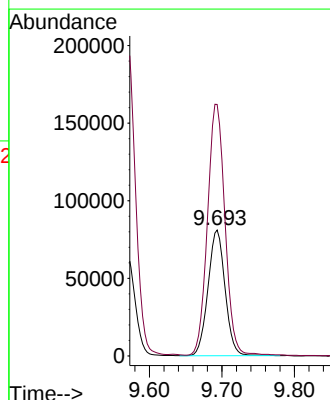
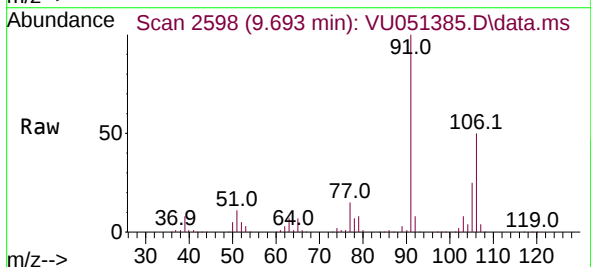
Instrument :
MSVOA_U
ClientSampleId :
BFB155

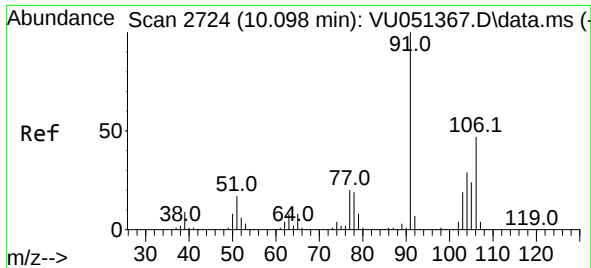
Tgt Ion: 91 Resp: 337465
Ion Ratio Lower Upper
91 100
106 31.1 20.9 38.7



#53
m,p-Xylene
Concen: 4.515 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

Tgt Ion: 106 Resp: 132382
Ion Ratio Lower Upper
106 100
91 199.8 143.9 267.3

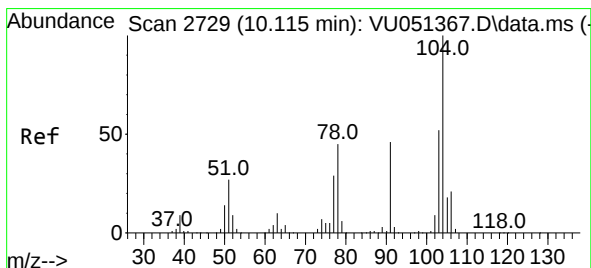
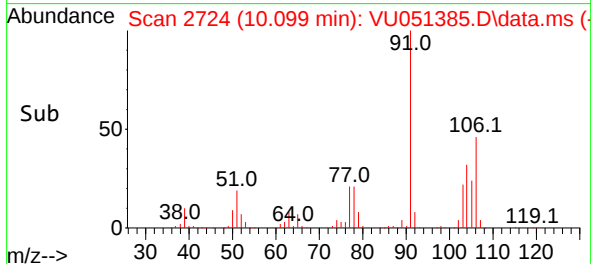
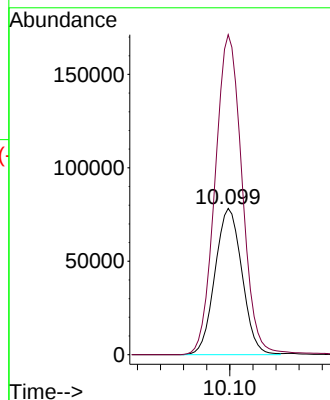
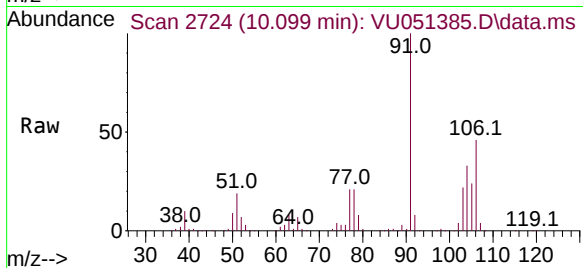




#54
o-Xylene
Concen: 4.590 ug/L
RT: 10.099 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

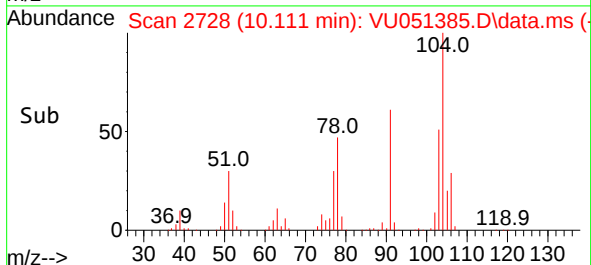
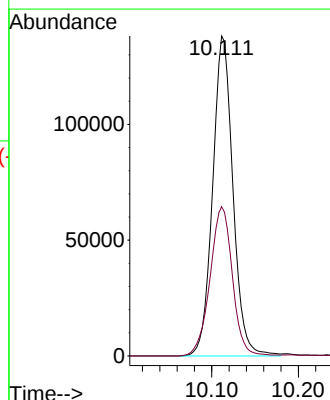
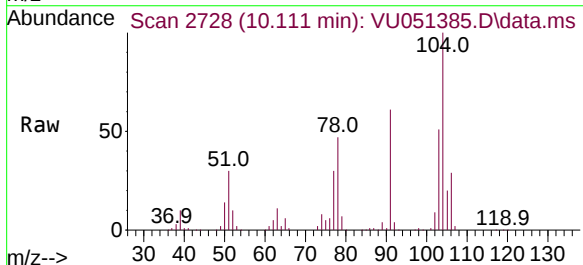
Instrument :
MSVOA_U
ClientSampleId :
BFB155

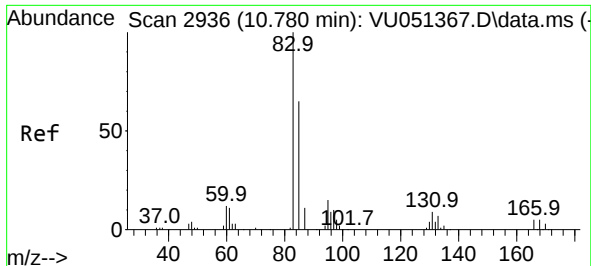
Tgt Ion:106 Resp: 127342
Ion Ratio Lower Upper
106 100
91 218.9 154.4 286.8



#55
Styrene
Concen: 4.708 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

Tgt Ion:104 Resp: 224851
Ion Ratio Lower Upper
104 100
78 46.6 32.1 59.7

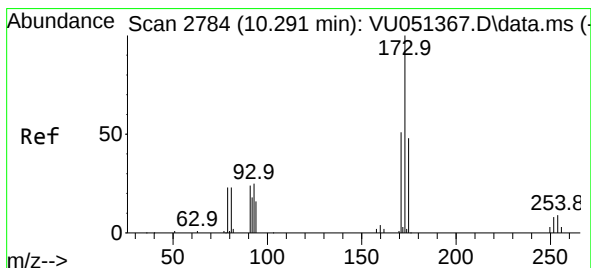
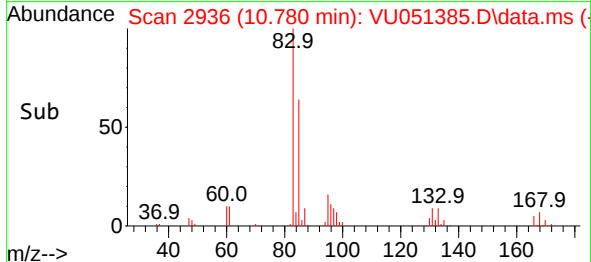
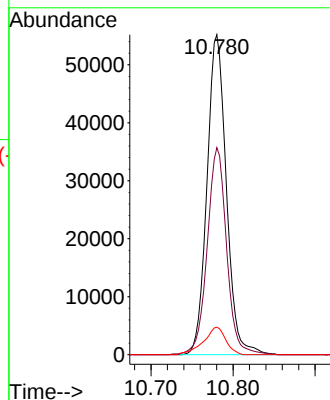
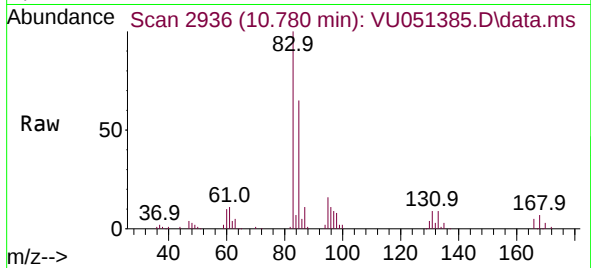




#57
1,1,2,2-Tetrachloroethane
Concen: 4.797 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

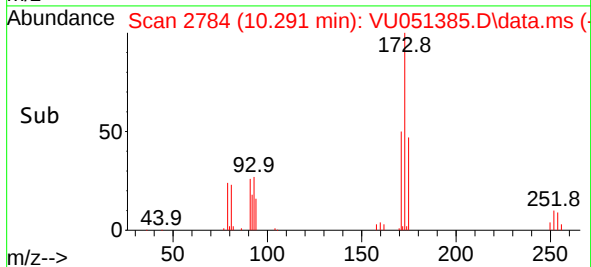
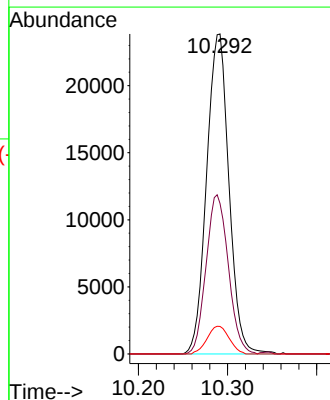
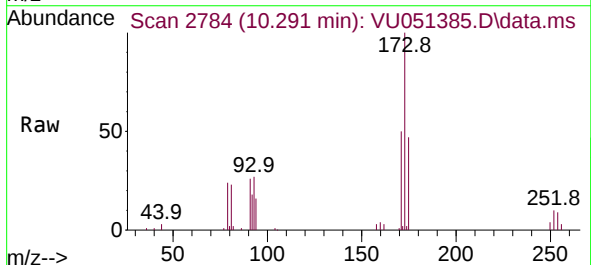
Instrument :
MSVOA_U
ClientSampleId :
BFB155

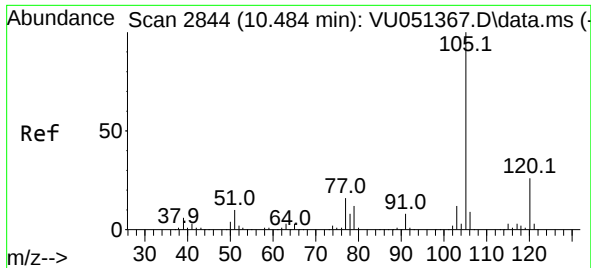
Tgt Ion: 83 Resp: 90567
Ion Ratio Lower Upper
83 100
85 64.7 45.9 85.3
131 8.6 7.4 11.2



#59
Bromoform
Concen: 4.136 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

Tgt Ion: 173 Resp: 41500
Ion Ratio Lower Upper
173 100
175 49.5 39.0 58.4
254 8.6 7.5 11.3

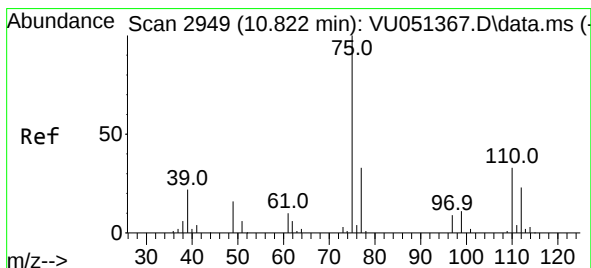
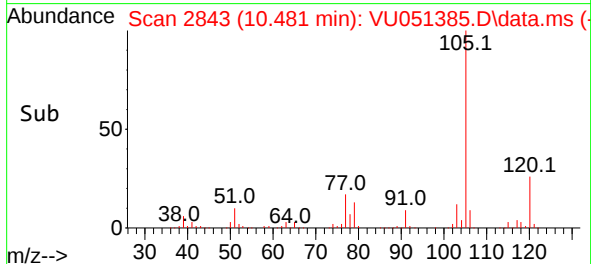
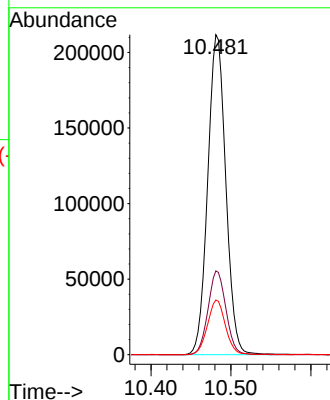
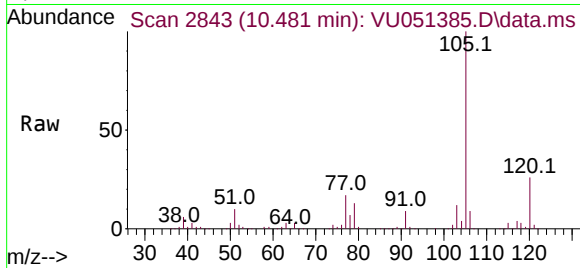




#60
Isopropylbenzene
Concen: 4.359 ug/L
RT: 10.481 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

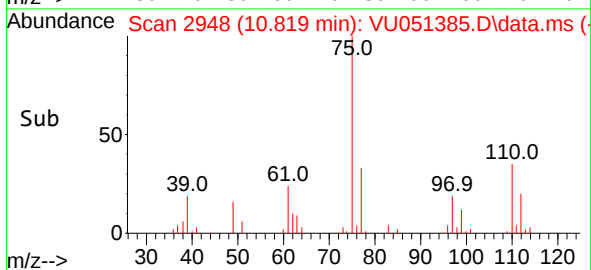
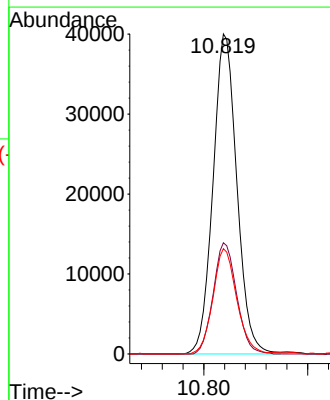
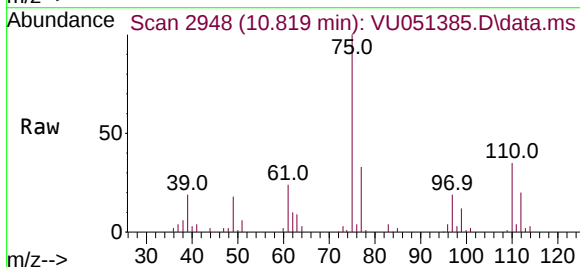
Instrument :
MSVOA_U
ClientSampleId :
BFB155

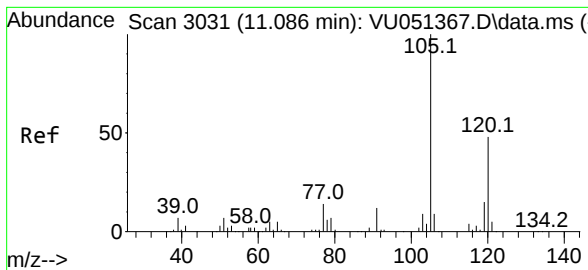
Tgt Ion:105 Resp: 333038
Ion Ratio Lower Upper
105 100
120 25.9 20.6 30.8
77 17.0 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 4.187 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

Tgt Ion: 75 Resp: 63768
Ion Ratio Lower Upper
75 100
110 34.0 27.0 40.6
77 32.8 26.4 39.6

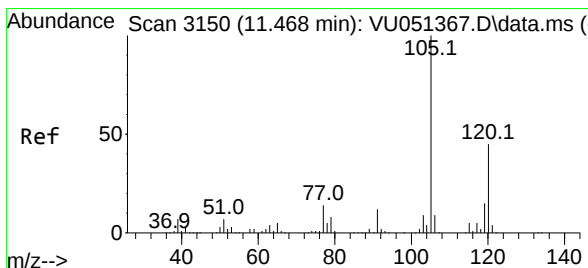
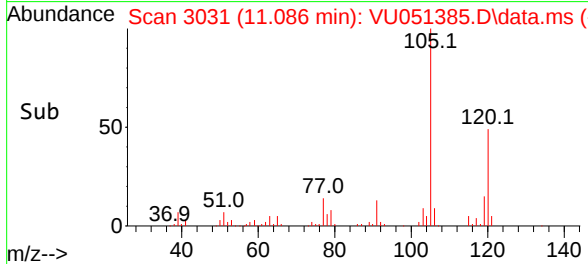
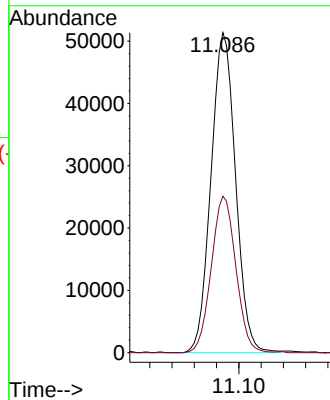
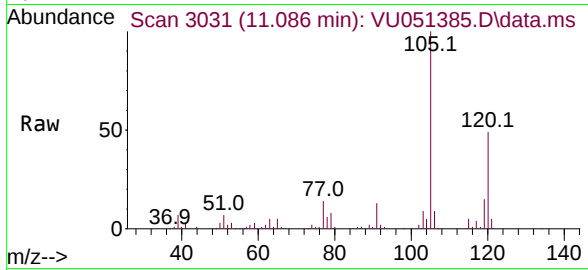




#62
 1,3,5-Trimethylbenzene
 Concen: 3.881 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. 0.000 min
 Lab File: VU051385.D
 Acq: 11 Oct 2022 20:10

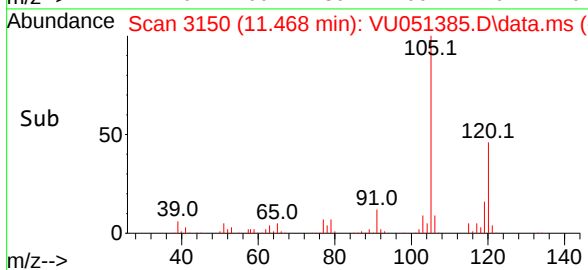
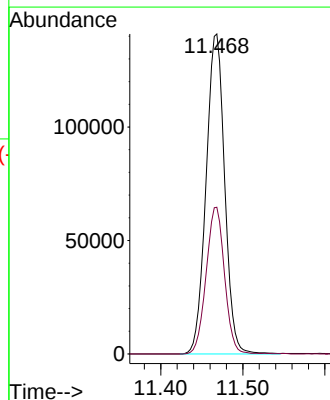
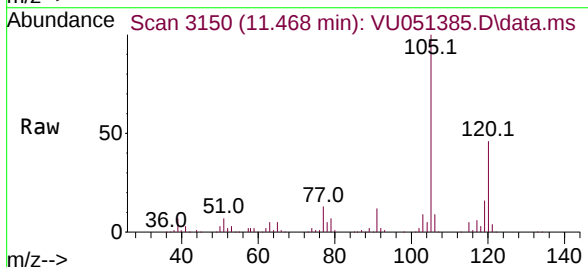
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB155

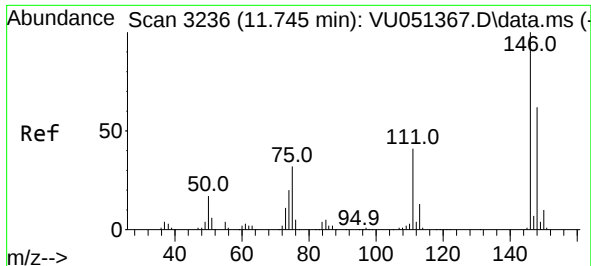
Tgt Ion:105 Resp: 78660
 Ion Ratio Lower Upper
 105 100
 120 48.9 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 3.879 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU051385.D
 Acq: 11 Oct 2022 20:10

Tgt Ion:105 Resp: 222346
 Ion Ratio Lower Upper
 105 100
 120 45.4 35.6 53.4

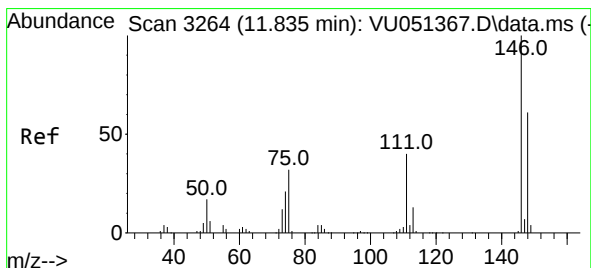
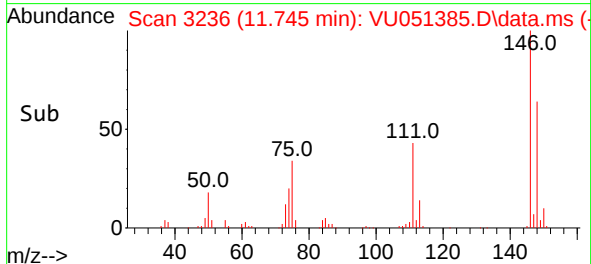
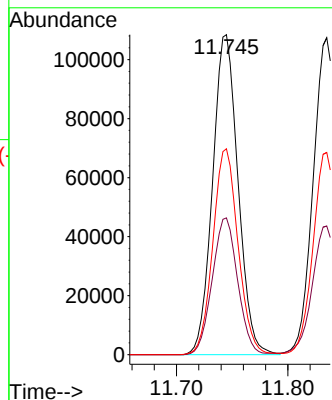
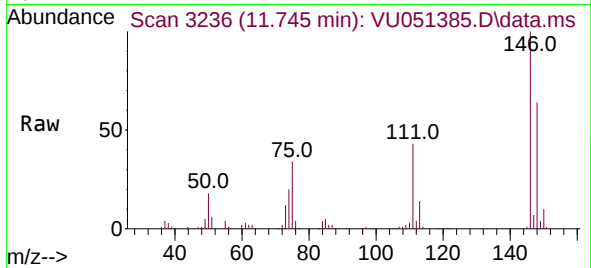




#64
1,3-Dichlorobenzene
Concen: 4.555 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

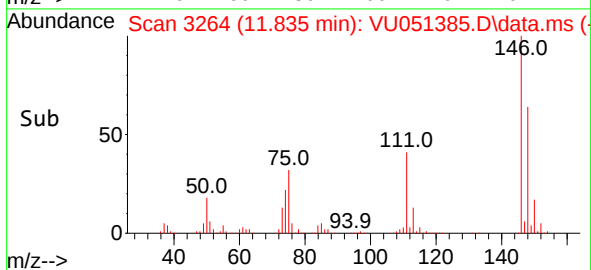
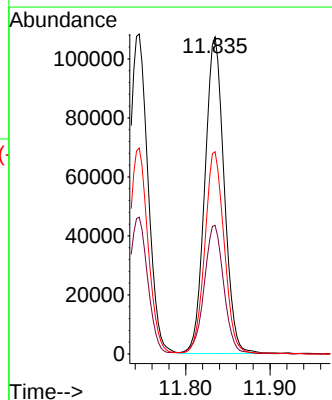
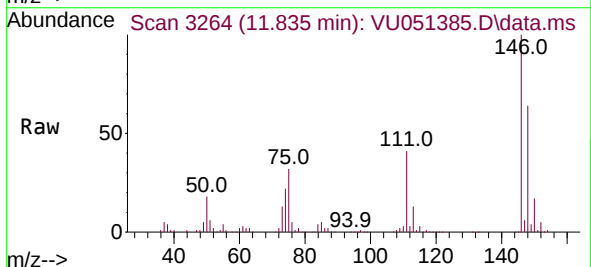
Instrument :
MSVOA_U
ClientSampleId :
BFB155

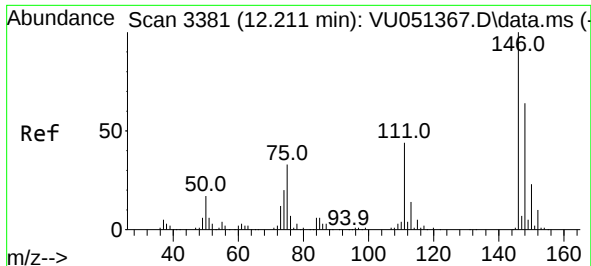
Tgt Ion:146 Resp: 172144
Ion Ratio Lower Upper
146 100
111 42.7 28.3 52.7
148 64.4 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 4.592 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

Tgt Ion:146 Resp: 171027
Ion Ratio Lower Upper
146 100
111 40.6 29.1 54.1
148 63.8 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 4.444 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU051385.D

Acq: 11 Oct 2022 20:10

Instrument :

MSVOA_U

ClientSampleId :

BFB155

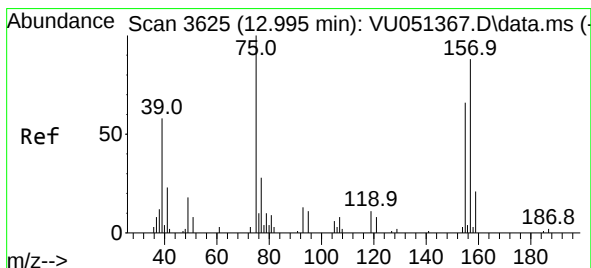
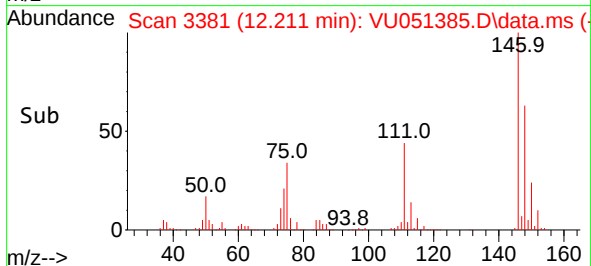
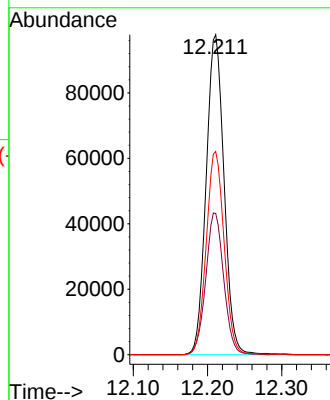
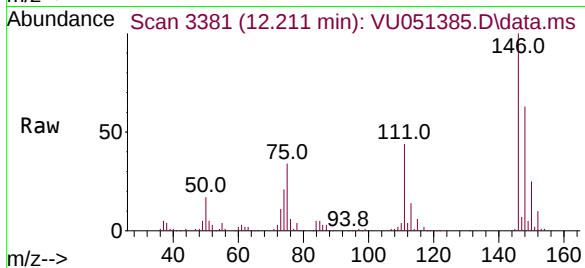
Tgt Ion:146 Resp: 163244

Ion Ratio Lower Upper

146 100

111 44.1 35.5 53.3

148 63.5 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 4.399 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU051385.D

Acq: 11 Oct 2022 20:10

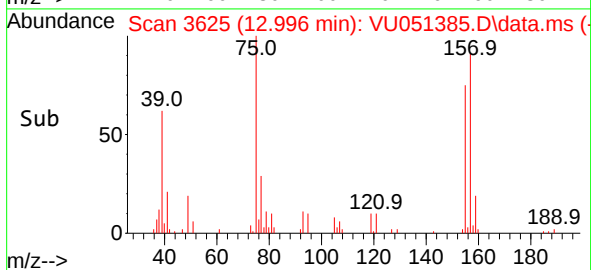
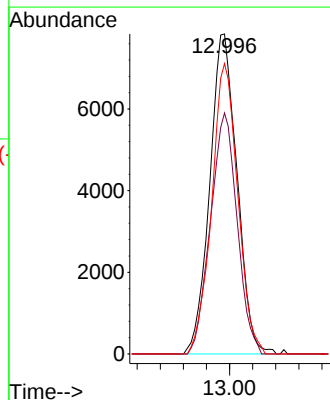
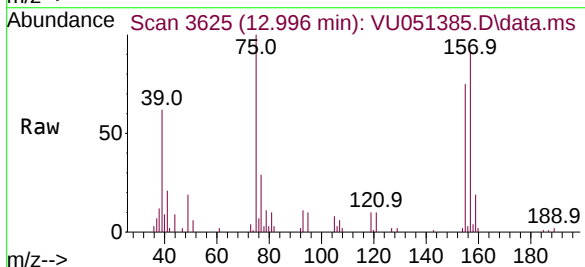
Tgt Ion: 75 Resp: 12817

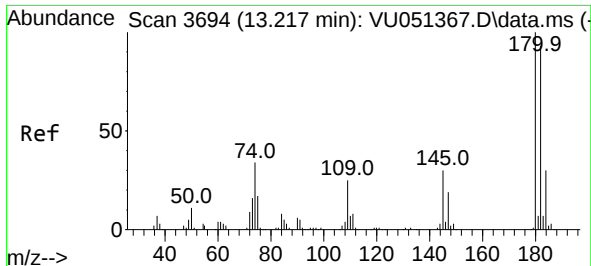
Ion Ratio Lower Upper

75 100

155 75.3 62.7 94.1

157 90.8 78.3 117.5





#69

1,3,5-Trichlorobenzene

Concen: 4.504 ug/L

RT: 13.217 min Scan# 3

Delta R.T. 0.000 min

Lab File: VU051385.D

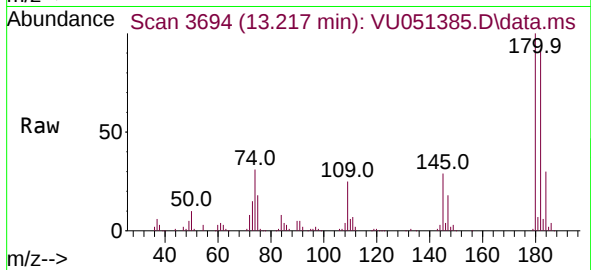
Acq: 11 Oct 2022 20:10

Instrument :

MSVOA_U

ClientSampleId :

BFB155



Tgt Ion:180 Resp: 117326

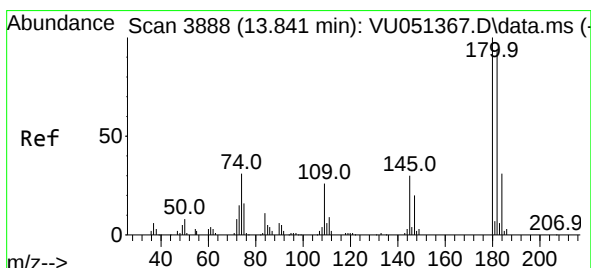
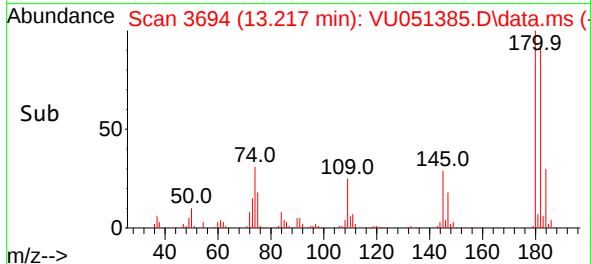
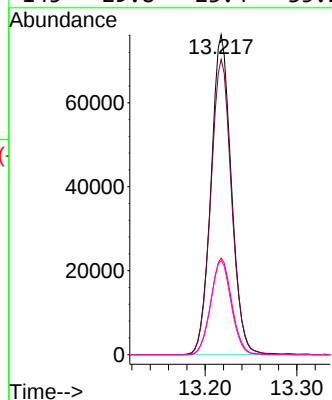
Ion Ratio Lower Upper

180 100

182 94.5 77.7 116.5

184 30.8 23.6 35.4

145 29.8 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 4.636 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.003 min

Lab File: VU051385.D

Acq: 11 Oct 2022 20:10

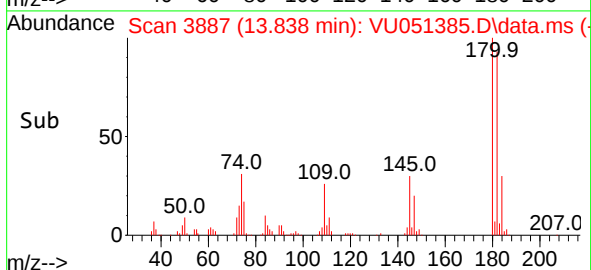
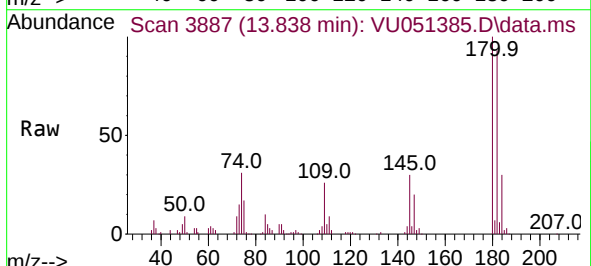
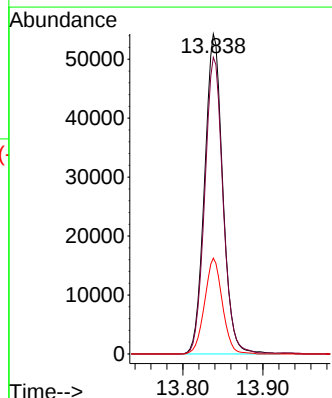
Tgt Ion:180 Resp: 85835

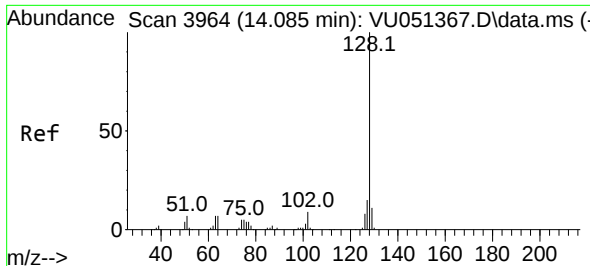
Ion Ratio Lower Upper

180 100

182 93.4 78.7 118.1

145 29.3 25.0 37.4

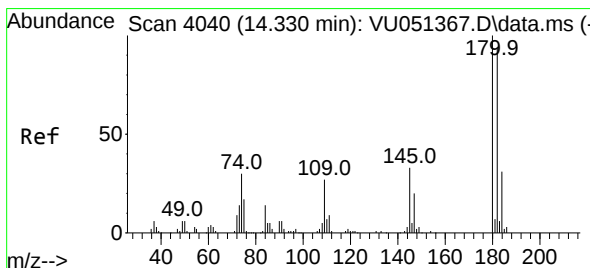
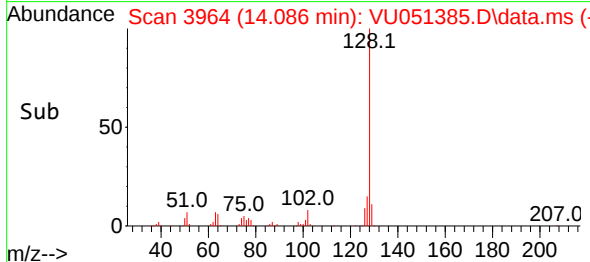
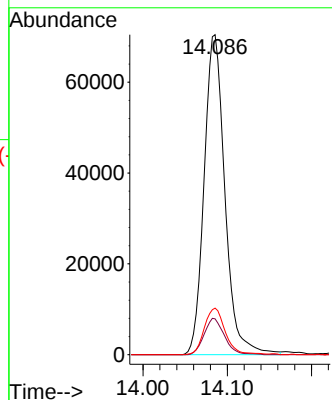
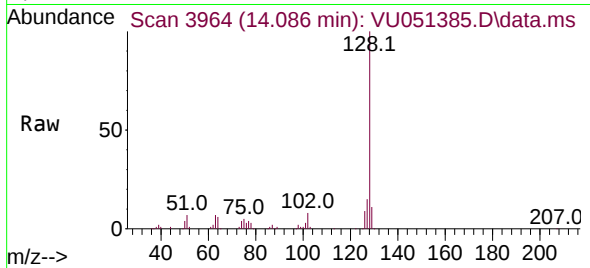




#71
Naphthalene
Concen: 3.526 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

Instrument :
MSVOA_U
ClientSampleId :
BFB155

Tgt Ion:128 Resp: 121330
Ion Ratio Lower Upper
128 100
129 11.1 8.5 12.7
127 14.6 11.1 16.7



#72
1,2,3-Trichlorobenzene
Concen: 4.266 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.003 min
Lab File: VU051385.D
Acq: 11 Oct 2022 20:10

Tgt Ion:180 Resp: 81689
Ion Ratio Lower Upper
180 100
182 95.9 76.6 114.8
145 32.9 25.8 38.8

