

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102822\
 Data File : VU051564.D
 Acq On : 28 Oct 2022 12:03
 Operator : JC/MD
 Sample : VSTD0.562
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 28 22:30:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 28 22:30:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	201137	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	207380	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	90840	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	7524	0.497	ug/L	0.00
7) Chloroethane-d5	1.912	69	7722	0.489	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	65	2662	0.484	ug/L	0.00
20) 2-Butanone-d5	4.652	46	24519	4.469	ug/L	0.02
24) Chloroform-d	5.067	84	17270	0.487	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	10266	0.536	ug/L	0.00
32) Benzene-d6	5.729	84	29824	0.456	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	11344	0.496	ug/L	0.00
41) Toluene-d8	7.899	98	22908	0.445	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.185	79	3204	0.458	ug/L	0.00
46) 2-Hexanone-d5	8.636	63	14936	3.546	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	10045	0.479	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	8638	0.518	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	9976	0.454	ug/L	99
3) Chloromethane	1.523	50	14071	0.507	ug/L	98
5) Vinyl chloride	1.604	62	12365	0.466	ug/L	93
6) Bromomethane	1.858	94	6456	0.513	ug/L	88
8) Chloroethane	1.932	64	7696	0.477	ug/L	84
9) Trichlorofluoromethane	2.137	101	13629	0.467	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	7816	0.456	ug/L	98
12) 1,1-Dichloroethene	2.581	96	8170	0.467	ug/L	92
13) Acetone	2.652	43	14417	5.179	ug/L	95
14) Carbon disulfide	2.793	76	26413	0.469	ug/L	99
15) Methyl Acetate	2.970	43	3682	0.505	ug/L #	89
16) Methylene chloride	3.044	84	23674	0.827	ug/L	97
17) Methyl tert-butyl Ether	3.366	73	18920	0.472	ug/L	97
18) trans-1,2-Dichloroethene	3.353	96	8559	0.456	ug/L	88
19) 1,1-Dichloroethane	3.867	63	16659	0.481	ug/L	94
21) 2-Butanone	4.735	43	18567	4.259	ug/L	93
22) cis-1,2-Dichloroethene	4.668	96	9818	0.473	ug/L	93
23) Bromochloromethane	4.973	128	4815	0.496	ug/L	90
25) Chloroform	5.089	83	17043	0.475	ug/L	90
27) 1,2-Dichloroethane	5.803	62	10933	0.495	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	12531	0.445	ug/L	98
30) Cyclohexane	5.385	56	9586	0.370	ug/L	97
31) Carbon tetrachloride	5.526	117	10873	0.452	ug/L	95
33) Benzene	5.777	78	37289	0.456	ug/L	100
34) Trichloroethene	6.546	95	8933	0.452	ug/L	98
35) Methylcyclohexane	6.764	83	9677	0.354	ug/L	94
37) 1,2-Dichloropropane	6.790	63	9679	0.460	ug/L #	95
38) Bromodichloromethane	7.105	83	12339	0.480	ug/L	95
39) cis-1,3-Dichloropropene	7.610	75	11514	0.426	ug/L	96
40) 4-Methyl-2-pentanone	7.793	43	43589	4.129	ug/L	96
42) Toluene	7.970	91	35821	0.426	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	9418	0.417	ug/L	94

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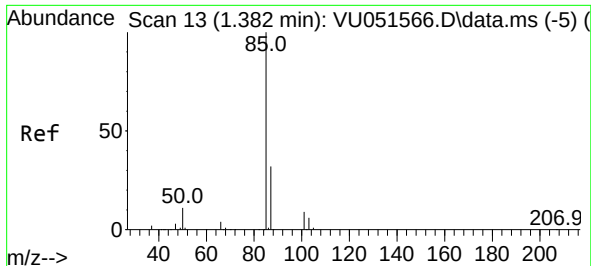
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 28 22:30:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	8.404	97	7416	0.481	ug/L	92
47) Tetrachloroethene	8.552	164	6868	0.454	ug/L	89
48) 2-Hexanone	8.690	43	32541	4.164	ug/L	95
49) Dibromochloromethane	8.809	129	8455	0.480	ug/L	93
50) 1,2-Dibromoethane	8.925	107	6138	0.441	ug/L	94
51) Chlorobenzene	9.446	112	24418	0.462	ug/L	99
52) Ethylbenzene	9.571	91	31754	0.392	ug/L	96
53) m,p-Xylene	9.693	106	12076	0.383	ug/L	95
54) o-Xylene	10.099	106	11562	0.376	ug/L	94
55) Styrene	10.115	104	17816	0.346	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.783	83	9076	0.475	ug/L	99
59) Bromoform	10.288	173	4276	0.509	ug/L #	93
60) Isopropylbenzene	10.484	105	27309	0.412	ug/L	97
61) 1,2,3-Trichloropropane	10.825	75	6621	0.564	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	7380	0.413	ug/L	92
63) 1,2,4-Trimethylbenzene	11.468	105	19459	0.378	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	15681	0.475	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	17273	0.522	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	16823	0.523	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.995	75	1432	0.592	ug/L	91
69) 1,3,5-Trichlorobenzene	13.221	180	11926	0.507	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	9538	0.528	ug/L	98
71) Naphthalene	14.089	128	18941	0.562	ug/L	97
72) 1,2,3-Trichlorobenzene	14.330	180	9849	0.540	ug/L	95

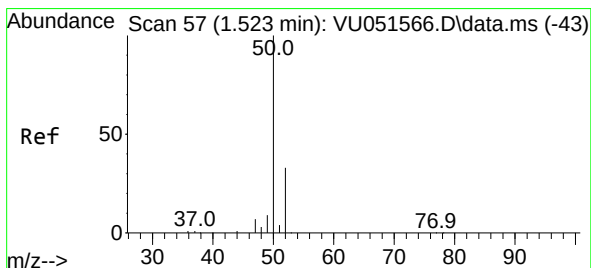
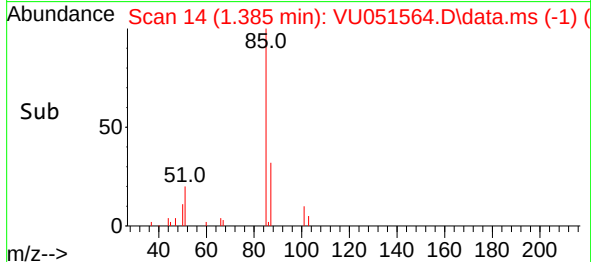
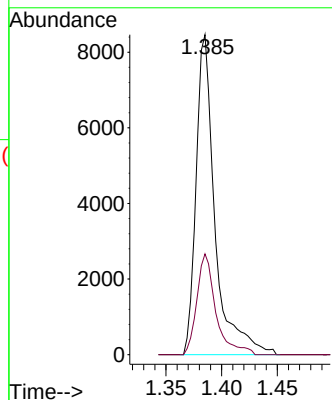
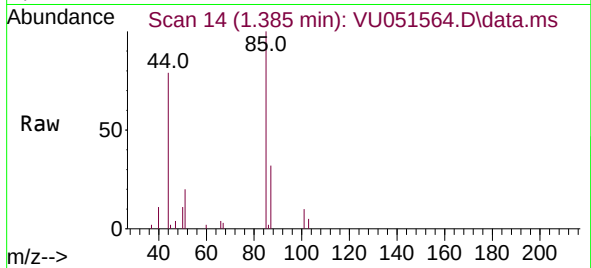
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 0.454 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

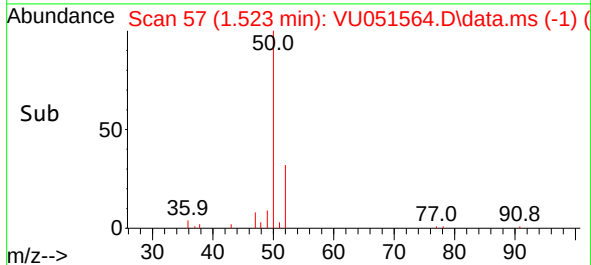
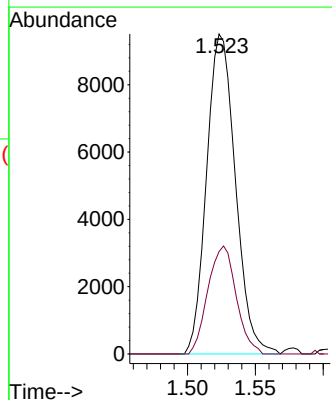
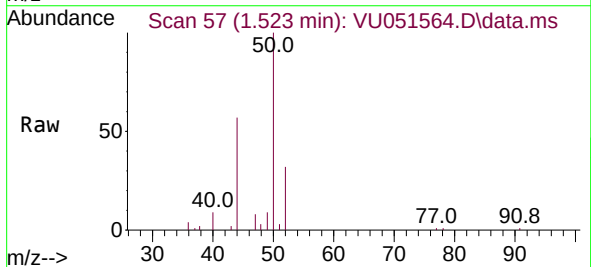
Instrument :
MSVOA_U
ClientSampleId :

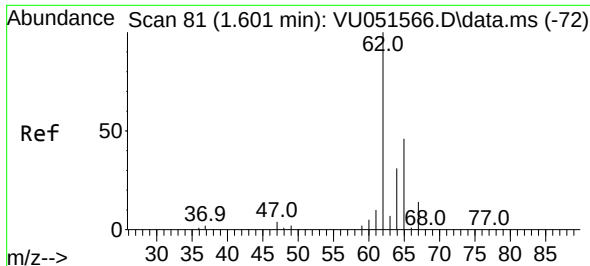
Tgt Ion: 85 Resp: 9976
Ion Ratio Lower Upper
85 100
87 31.8 25.7 38.5



#3
Chloromethane
Concen: 0.507 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

Tgt Ion: 50 Resp: 14071
Ion Ratio Lower Upper
50 100
52 32.0 23.2 43.2

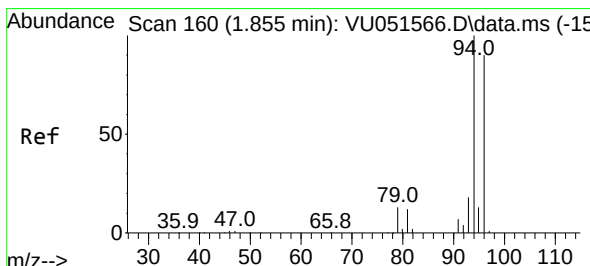
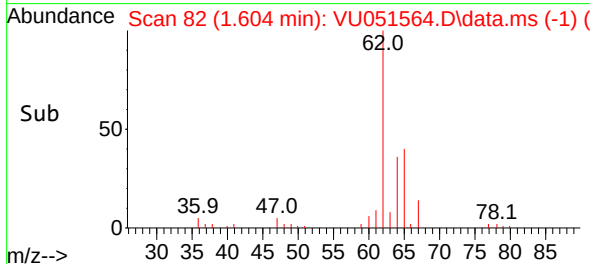
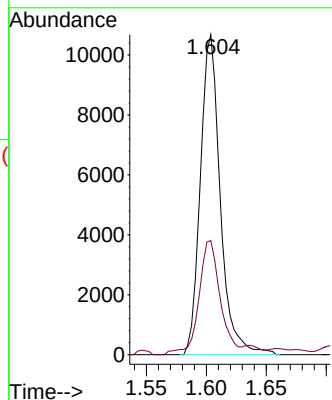
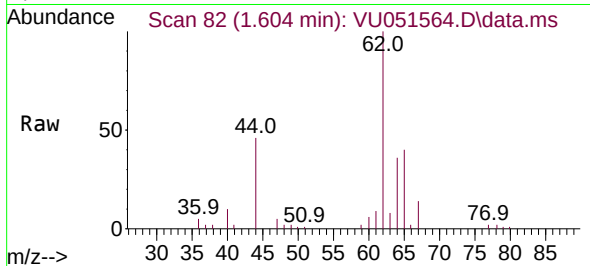




#5
 Vinyl chloride
 Concen: 0.466 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU051564.D
 Acq: 28 Oct 2022 12:03

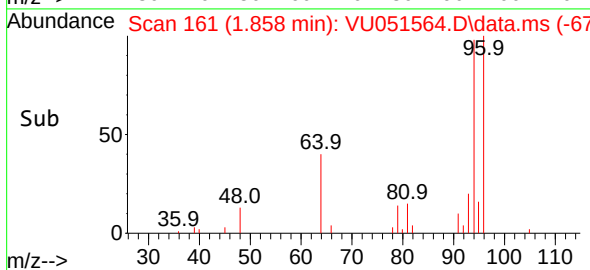
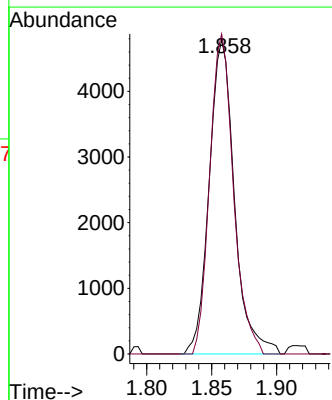
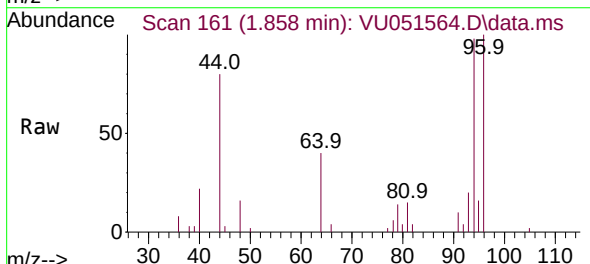
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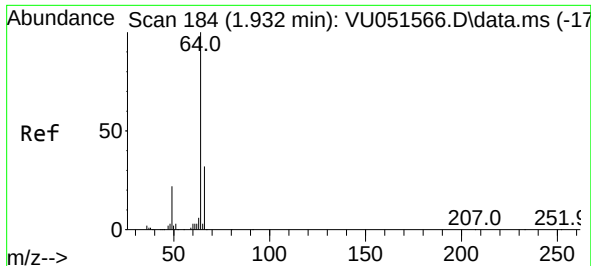
Tgt Ion: 62 Resp: 12365
 Ion Ratio Lower Upper
 62 100
 64 35.7 22.1 41.1



#6
 Bromomethane
 Concen: 0.513 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.003 min
 Lab File: VU051564.D
 Acq: 28 Oct 2022 12:03

Tgt Ion: 94 Resp: 6456
 Ion Ratio Lower Upper
 94 100
 96 101.8 63.2 117.4

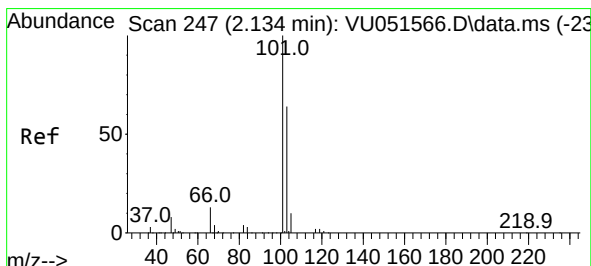
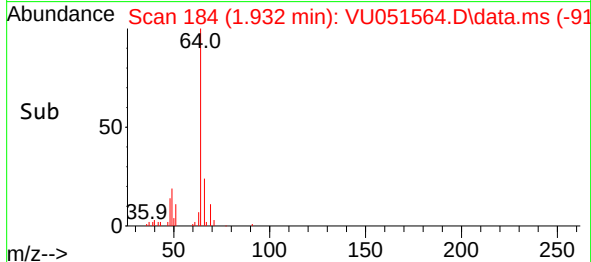
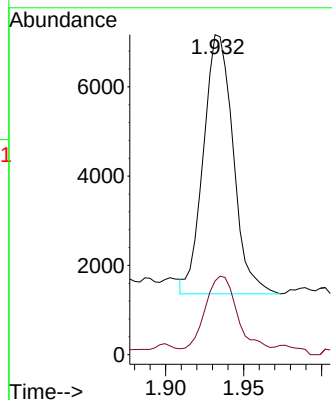
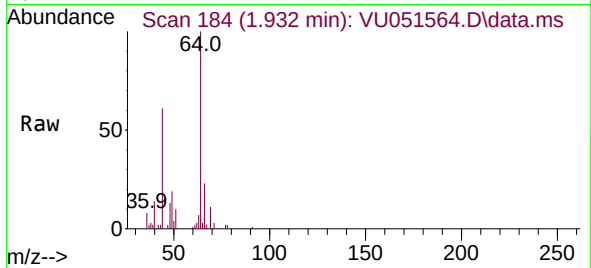




#8
Chloroethane
Concen: 0.477 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

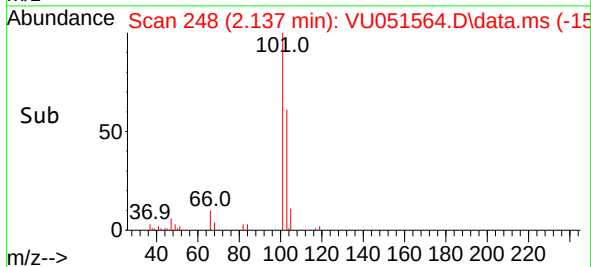
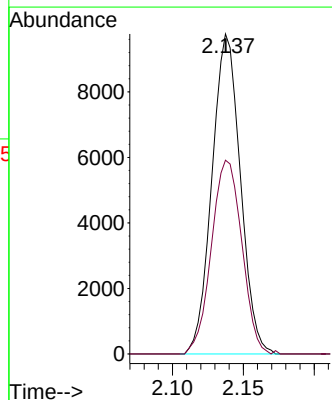
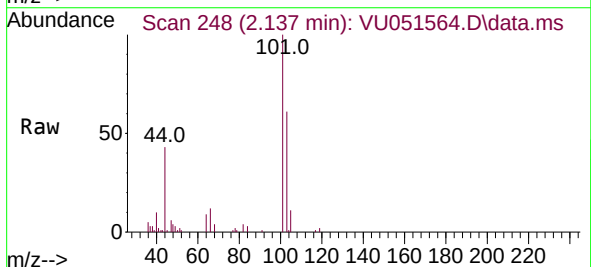
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MSVOA_U
ClientSampleId :

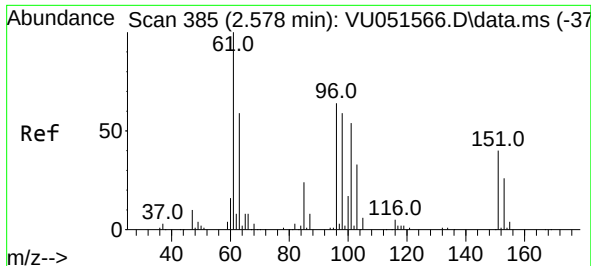
Tgt Ion: 64 Resp: 7696
Ion Ratio Lower Upper
64 100
66 23.0 22.3 41.5



#9
Trichlorofluoromethane
Concen: 0.467 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

Tgt Ion:101 Resp: 13629
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.6

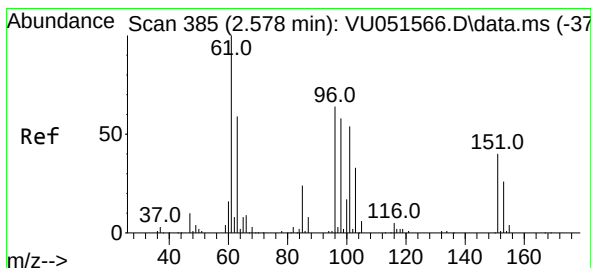
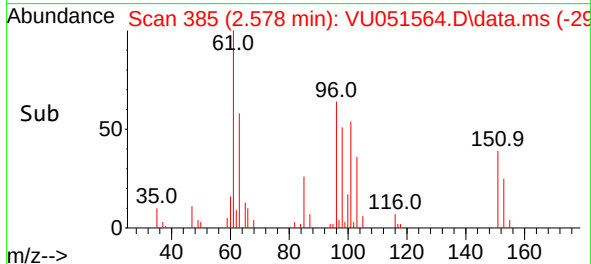
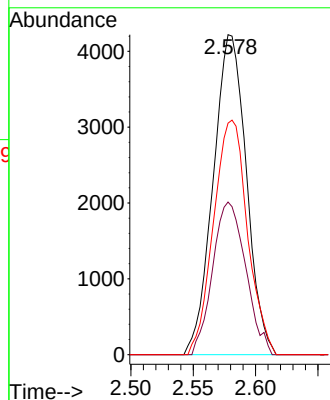
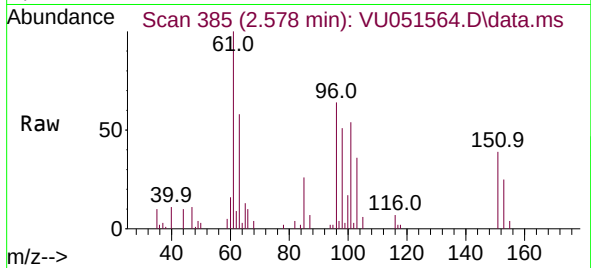




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.456 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU051564.D
 Acq: 28 Oct 2022 12:03

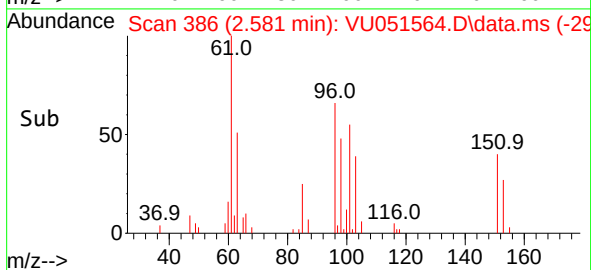
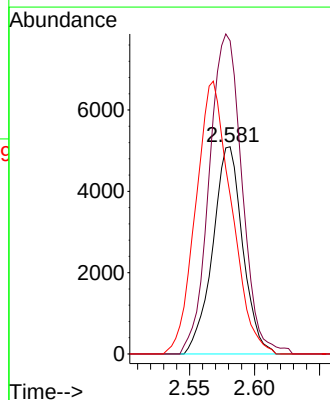
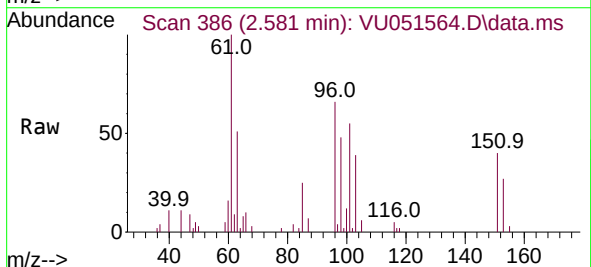
Instrument :
 MSVOA_U
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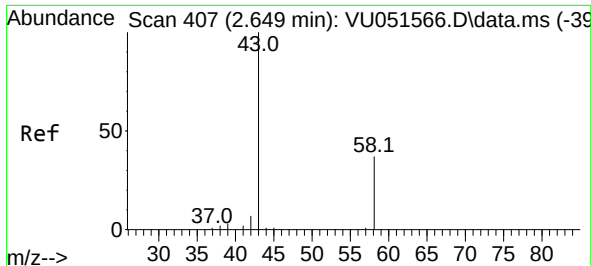
Tgt Ion:	101	Resp:	7816
Ion	Ratio	Lower	Upper
101	100		
85	47.5	35.6	53.4
151	75.0	59.6	89.4



#12
 1,1-Dichloroethene
 Concen: 0.467 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU051564.D
 Acq: 28 Oct 2022 12:03

Tgt Ion:	96	Resp:	8170
Ion	Ratio	Lower	Upper
96	100		
61	151.1	108.8	202.0
63	76.7	64.9	120.5





#13

Acetone

Concen: 5.179 ug/L

RT: 2.652 min Scan# 408

Delta R.T. 0.003 min

Lab File: VU051564.D

Acq: 28 Oct 2022 12:03

Instrument :

MSVOA_U

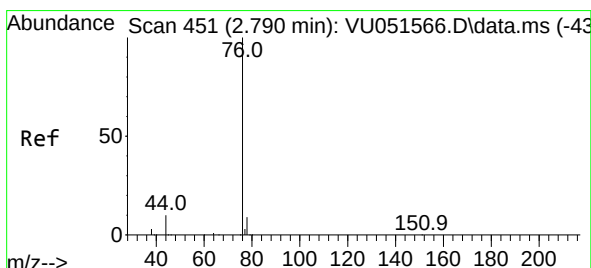
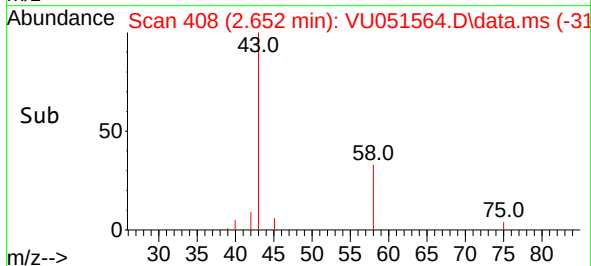
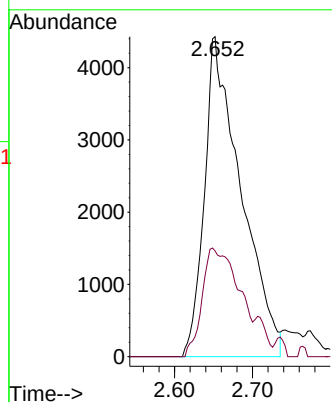
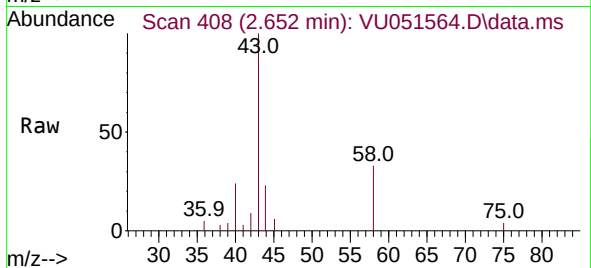
ClientSampleId :

Tgt Ion: 43 Resp: 14417

Ion Ratio Lower Upper

43 100

58 33.8 0.0 73.8



#14

Carbon disulfide

Concen: 0.469 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU051564.D

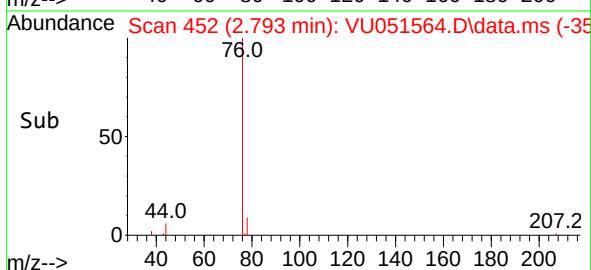
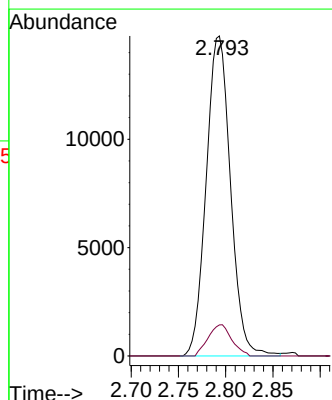
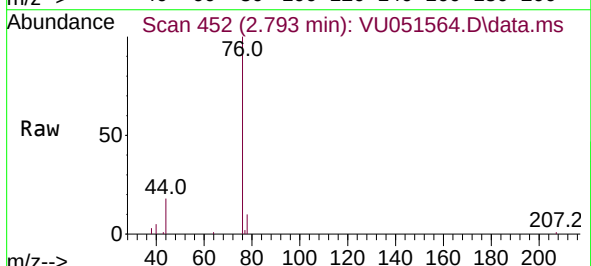
Acq: 28 Oct 2022 12:03

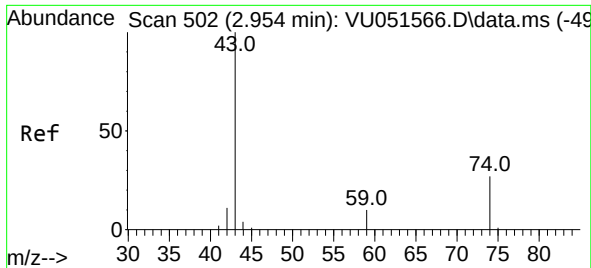
Tgt Ion: 76 Resp: 26413

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.2

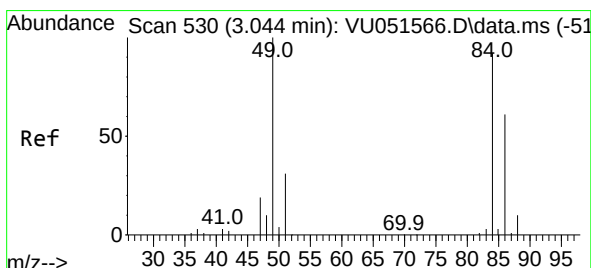
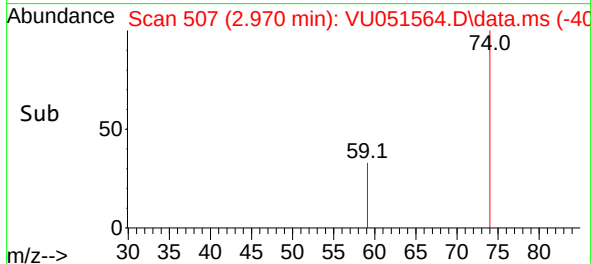
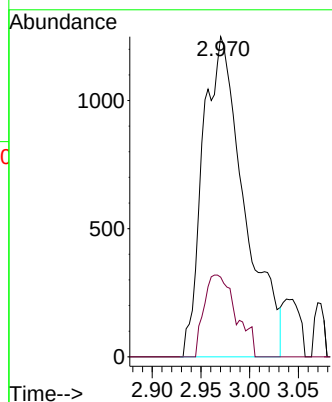
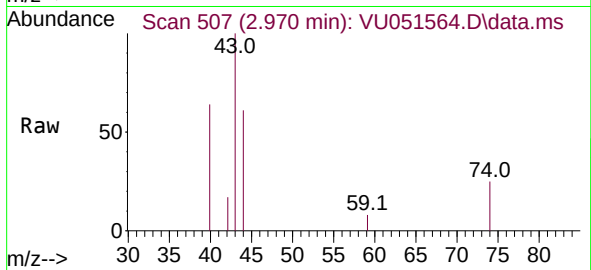




#15
Methyl Acetate
Concen: 0.505 ug/L
RT: 2.970 min Scan# 507
Delta R.T. 0.016 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

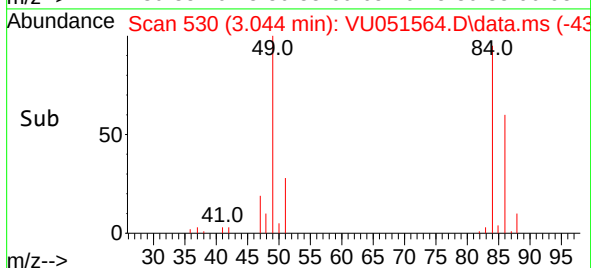
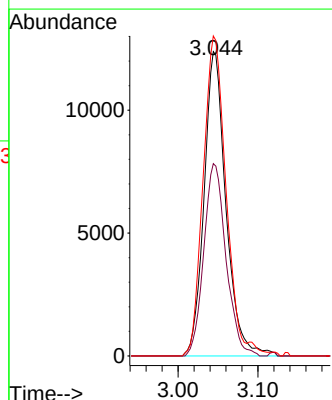
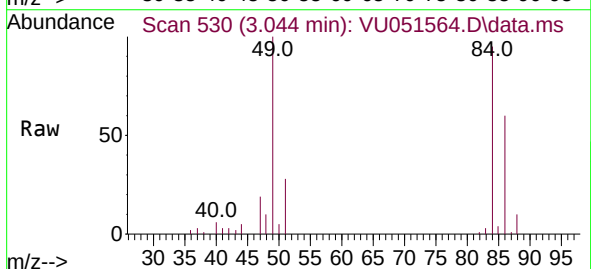
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ClientSampleId :

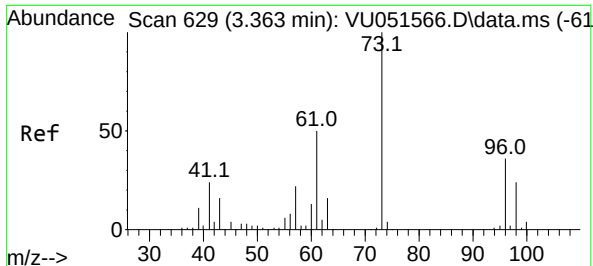
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Ion Ratio Lower Upper
43 100
74 19.7 20.2 30.4#



#16
Methylene chloride
Concen: 0.827 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

Tgt Ion: 84 Resp: 23674
Ion Ratio Lower Upper
84 100
86 63.2 46.3 85.9
49 105.1 76.0 141.2





#17

Methyl tert-butyl Ether

Concen: 0.472 ug/L

RT: 3.366 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU051564.D

Acq: 28 Oct 2022 12:03

Instrument :

MSVOA_U

ClientSampleId :

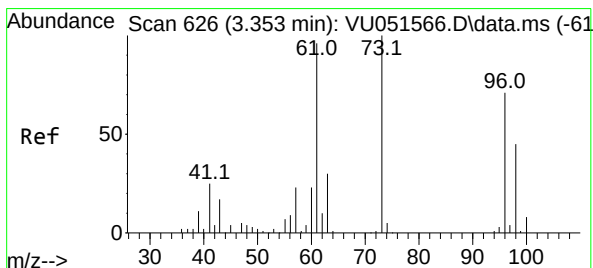
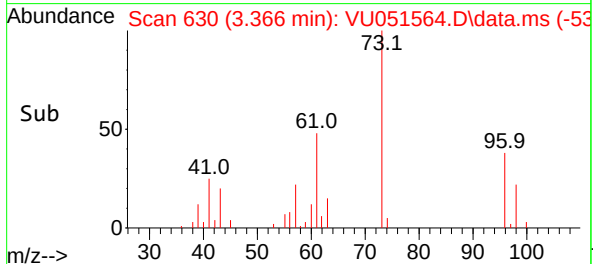
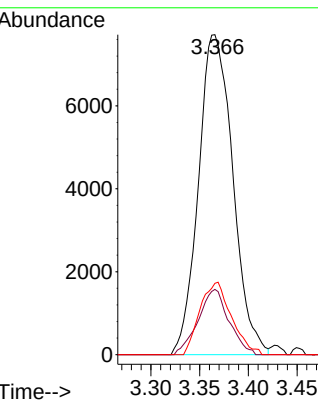
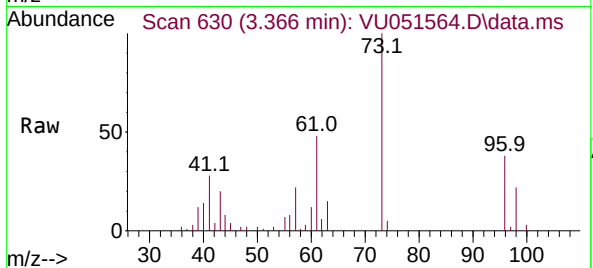
Tgt Ion: 73 Resp: 18920

Ion Ratio Lower Upper

73 100

43 18.3 13.6 20.4

57 20.8 17.5 26.3



#18

trans-1,2-Dichloroethene

Concen: 0.456 ug/L

RT: 3.353 min Scan# 626

Delta R.T. -0.000 min

Lab File: VU051564.D

Acq: 28 Oct 2022 12:03

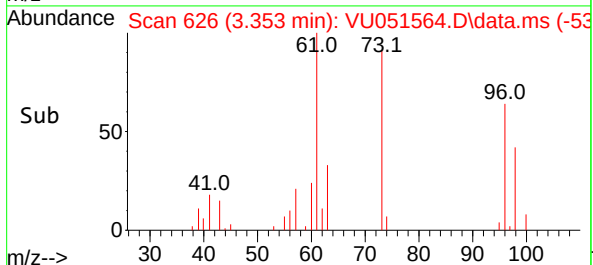
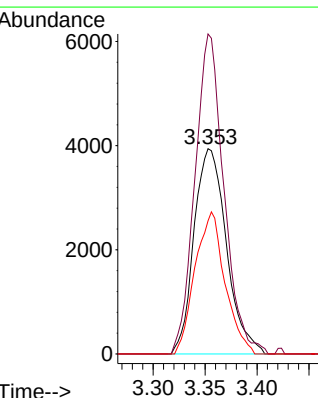
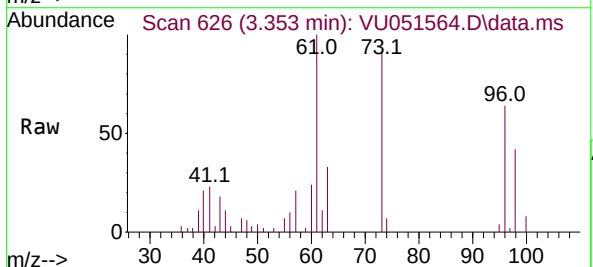
Tgt Ion: 96 Resp: 8559

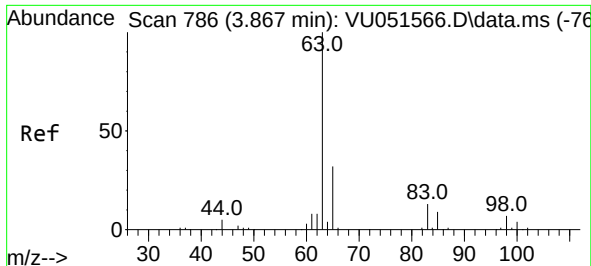
Ion Ratio Lower Upper

96 100

61 155.8 94.7 175.9

98 64.9 44.2 82.0





#19

1,1-Dichloroethane

Concen: 0.481 ug/L

RT: 3.867 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU051564.D

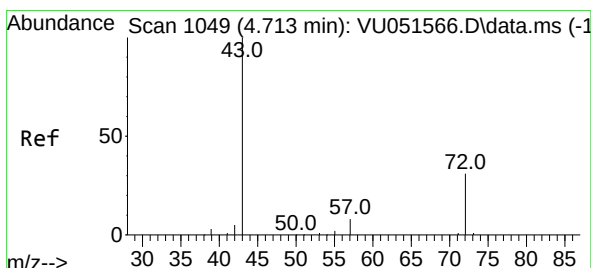
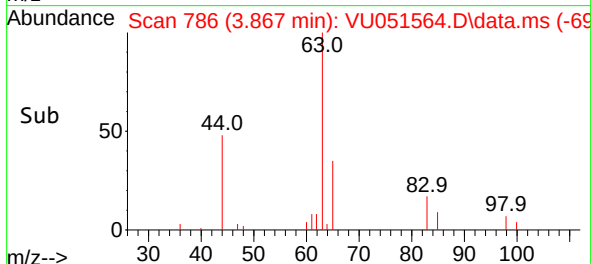
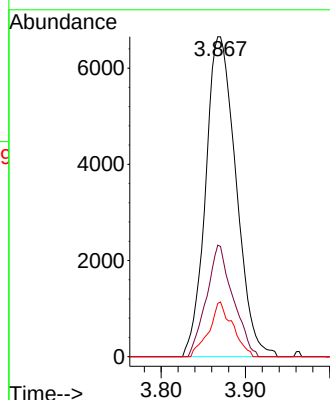
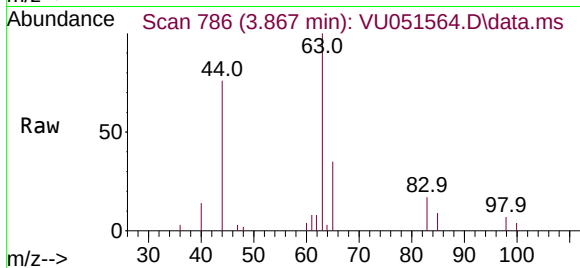
Acq: 28 Oct 2022 12:03

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	16659
Ion	Ratio	Lower	Upper
63	100		
65	34.9	22.7	42.1
83	16.7	9.2	17.0



#21

2-Butanone

Concen: 4.259 ug/L

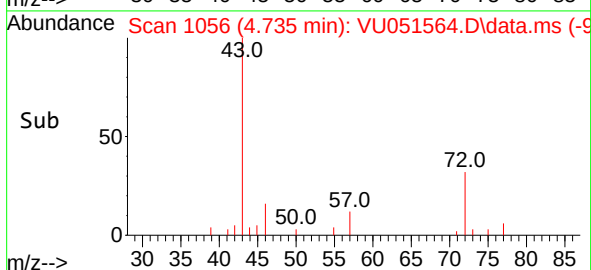
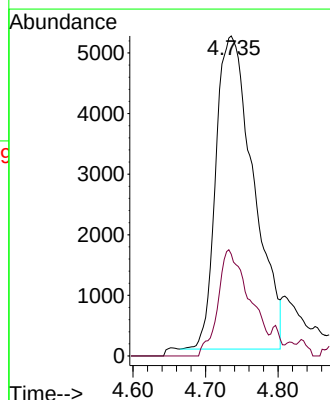
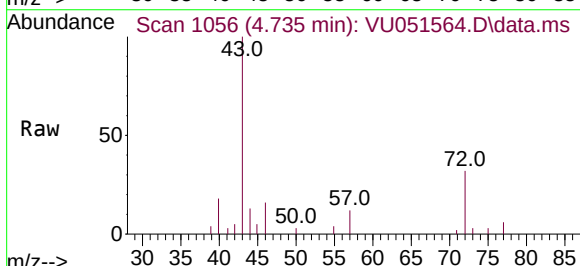
RT: 4.735 min Scan# 1056

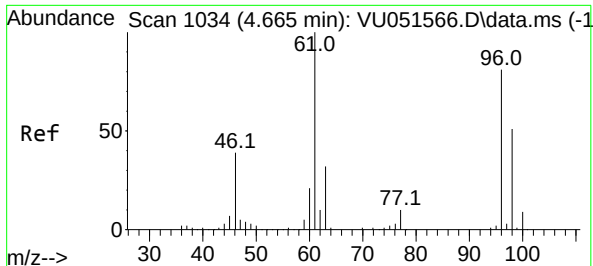
Delta R.T. 0.022 min

Lab File: VU051564.D

Acq: 28 Oct 2022 12:03

Tgt Ion:	43	Resp:	18567
Ion	Ratio	Lower	Upper
43	100		
72	28.5	16.2	48.5





#22

cis-1,2-Dichloroethene

Concen: 0.473 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU051564.D

Acq: 28 Oct 2022 12:03

Instrument :

MSVOA_U

ClientSampleId :

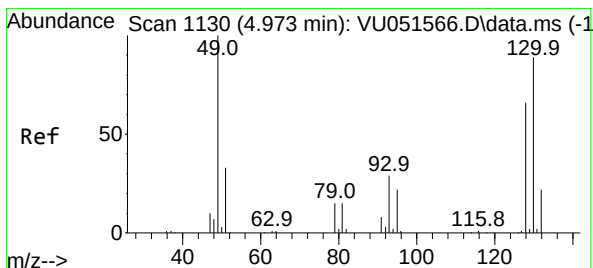
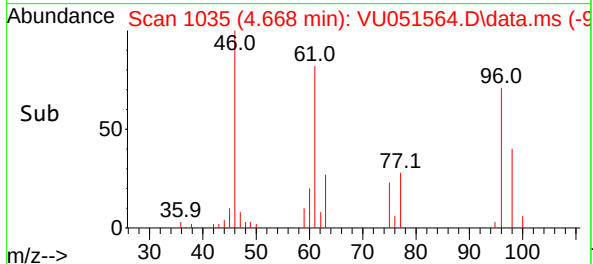
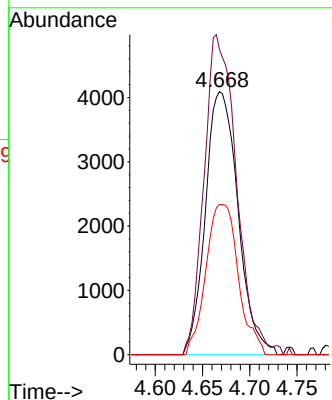
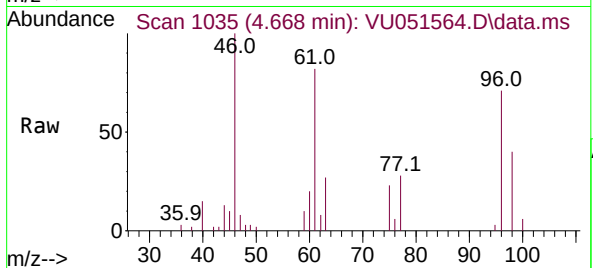
Tgt Ion: 96 Resp: 9818

Ion Ratio Lower Upper

96 100

61 116.2 86.4 160.4

98 57.2 44.2 82.2



#23

Bromochloromethane

Concen: 0.496 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VU051564.D

Acq: 28 Oct 2022 12:03

Tgt Ion: 128 Resp: 4815

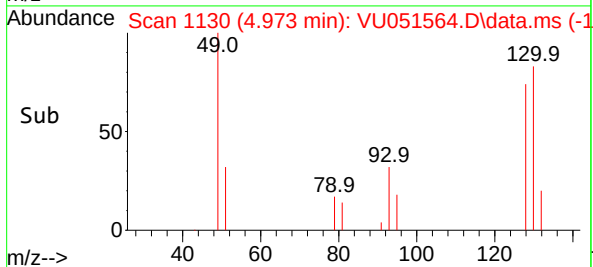
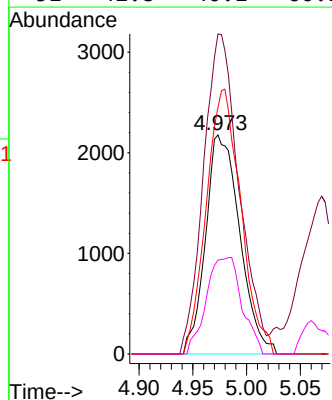
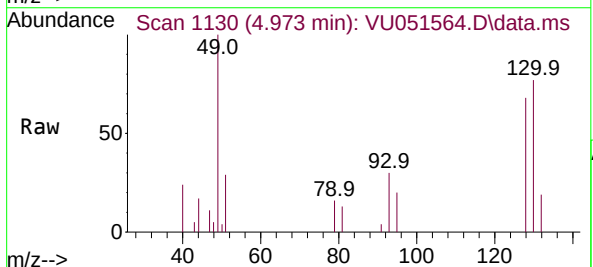
Ion Ratio Lower Upper

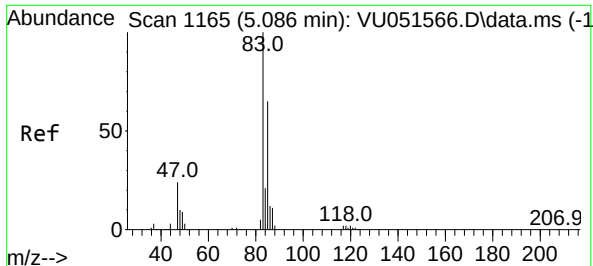
128 100

49 146.1 105.5 195.9

130 112.4 93.5 173.7

51 42.8 40.1 60.1





#25

Chloroform

Concen: 0.475 ug/L

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU051564.D

Acq: 28 Oct 2022 12:03

Instrument :

MSVOA_U

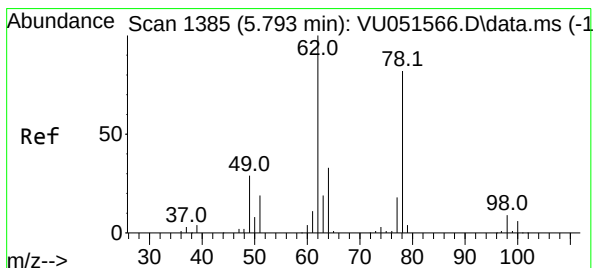
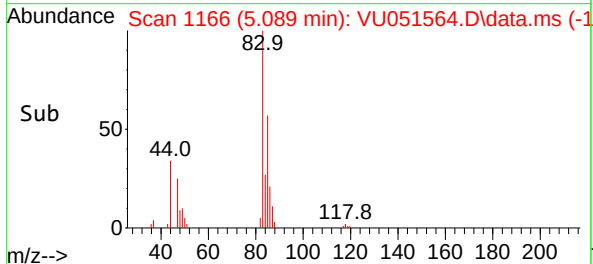
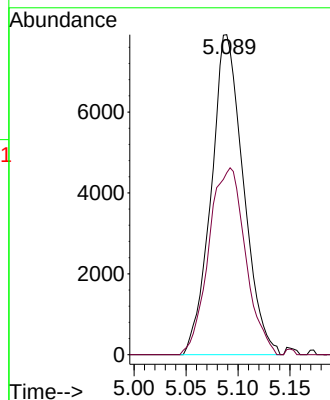
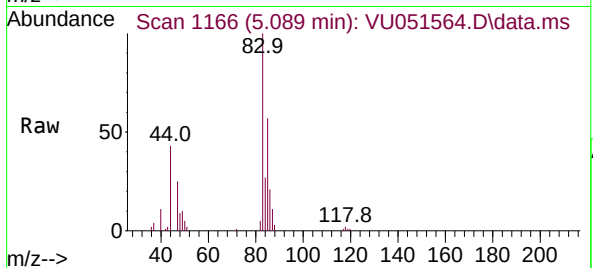
ClientSampleId :

Tgt Ion: 83 Resp: 17043

Ion Ratio Lower Upper

83 100

85 56.9 45.2 84.0



#27

1,2-Dichloroethane

Concen: 0.495 ug/L

RT: 5.803 min Scan# 1388

Delta R.T. 0.010 min

Lab File: VU051564.D

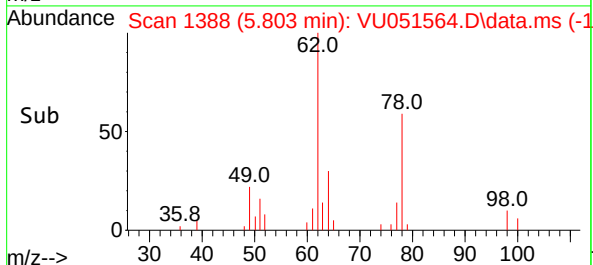
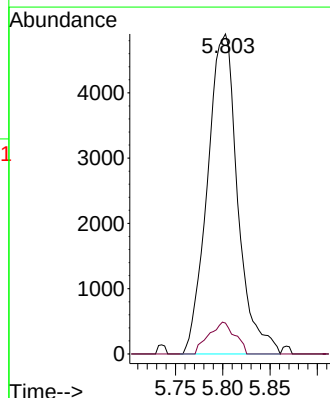
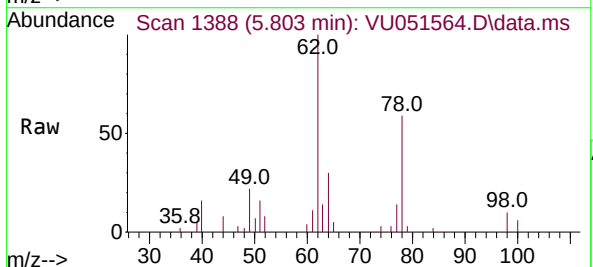
Acq: 28 Oct 2022 12:03

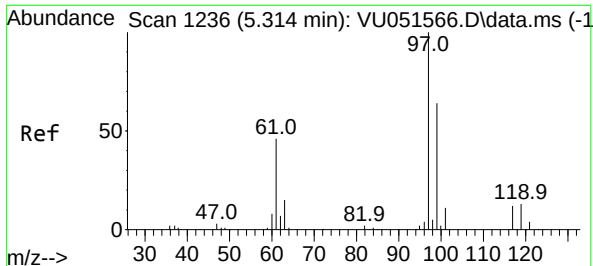
Tgt Ion: 62 Resp: 10933

Ion Ratio Lower Upper

62 100

98 9.6 7.4 11.0

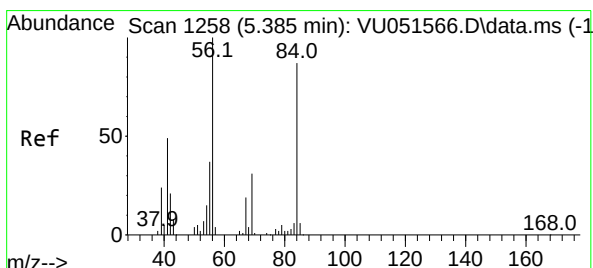
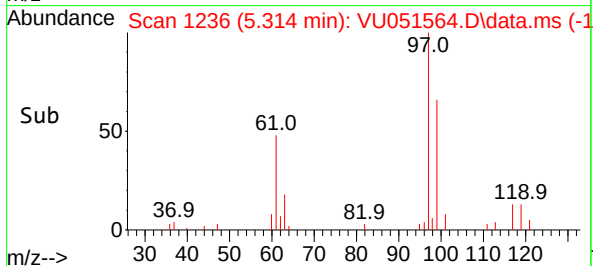
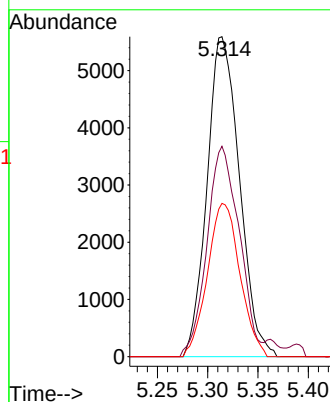
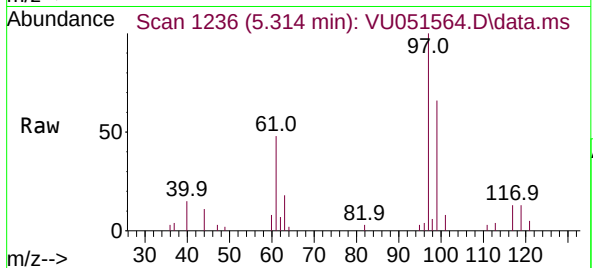




#29
1,1,1-Trichloroethane
Concen: 0.445 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. -0.000 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

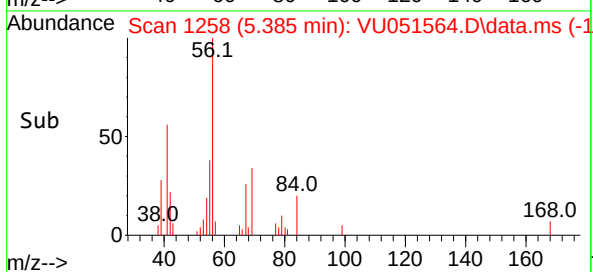
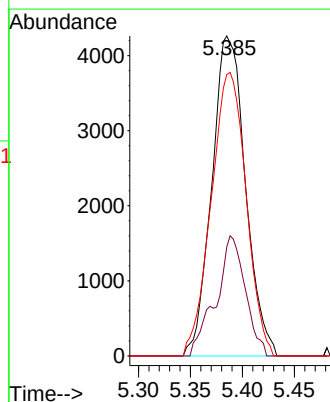
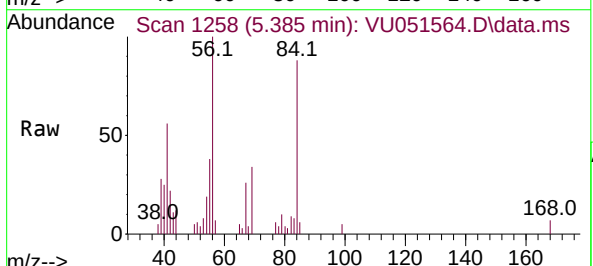
Instrument :
MSVOA_U
ClientSampleId :

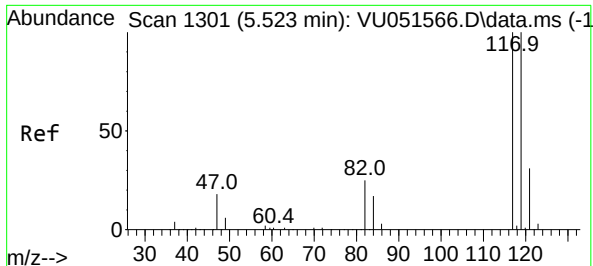
Tgt Ion: 97 Resp: 12531
Ion Ratio Lower Upper
97 100
99 65.9 51.1 76.7
61 48.0 37.4 56.0



#30
Cyclohexane
Concen: 0.370 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

Tgt Ion: 56 Resp: 9586
Ion Ratio Lower Upper
56 100
69 32.9 25.4 38.0
84 91.9 71.4 107.0

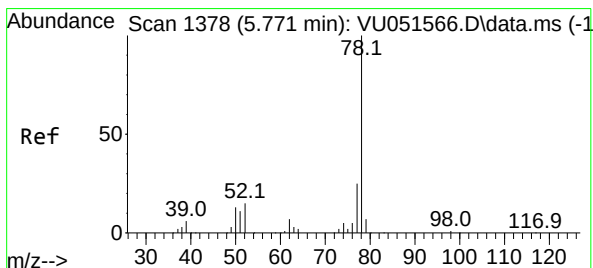
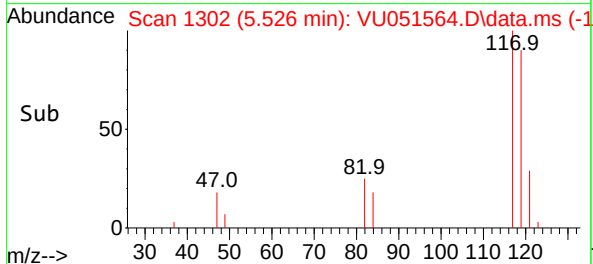
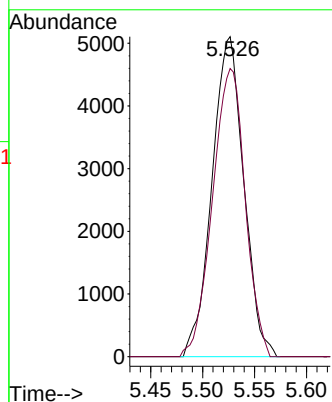
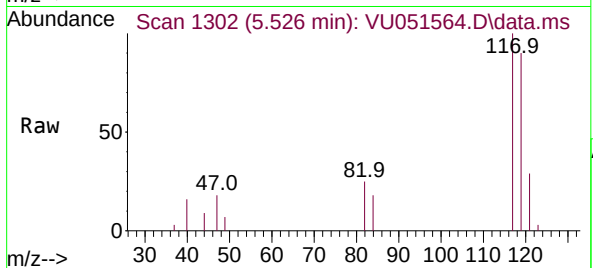




#31
Carbon tetrachloride
Concen: 0.452 ug/L
RT: 5.526 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

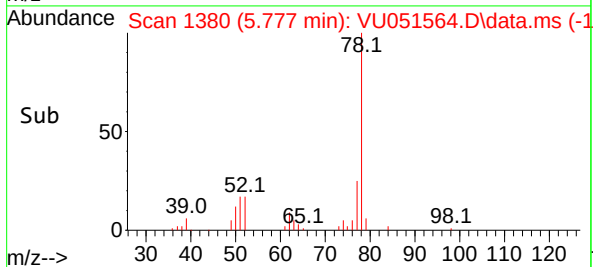
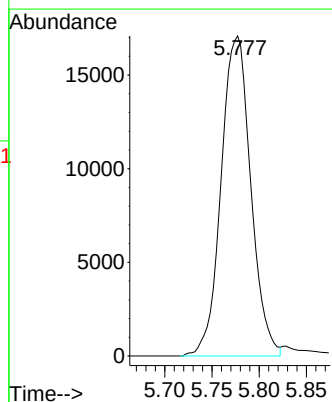
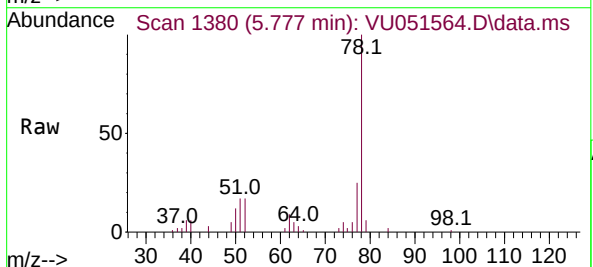
Instrument :
MSVOA_U
ClientSampleId :

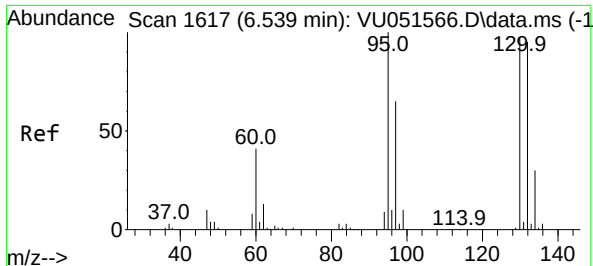
Tgt Ion:117 Resp: 10873
Ion Ratio Lower Upper
117 100
119 92.3 77.5 116.3



#33
Benzene
Concen: 0.456 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.006 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

Tgt Ion: 78 Resp: 37289

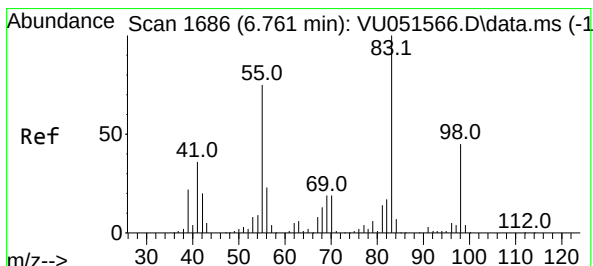
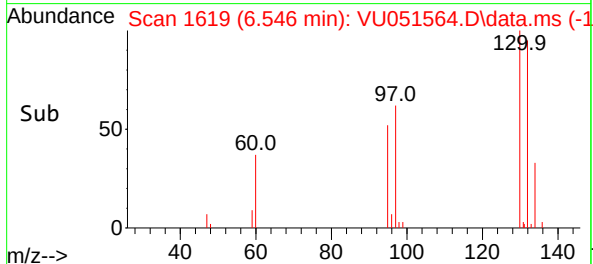
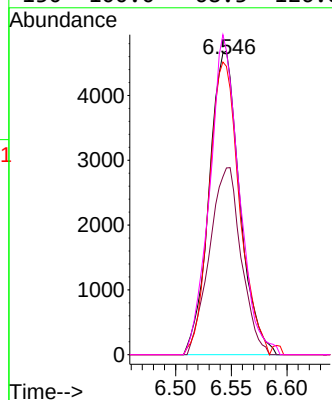
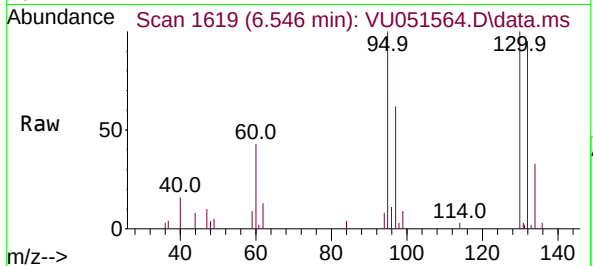




#34
Trichloroethene
Concen: 0.452 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

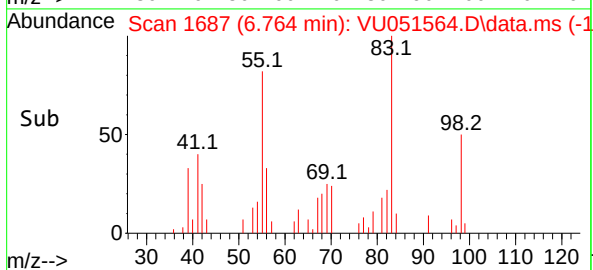
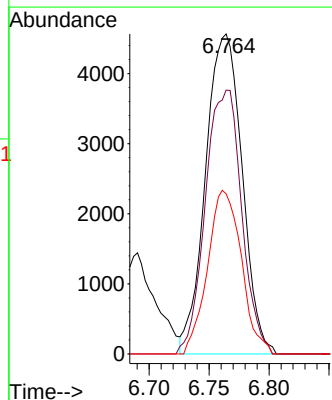
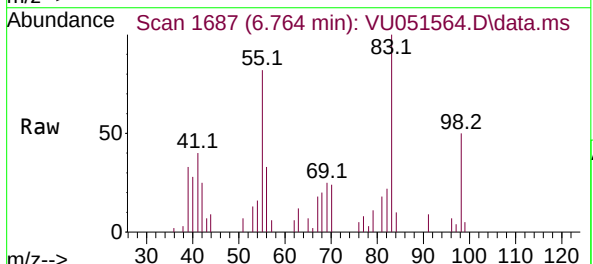
Instrument :
MSVOA_U
ClientSampleId :

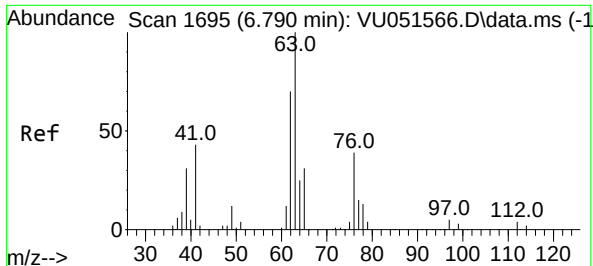
Tgt Ion: 95 Resp: 8933
Ion Ratio Lower Upper
95 100
97 61.5 45.2 84.0
132 94.9 66.5 123.5
130 100.0 68.3 126.8



#35
Methylcyclohexane
Concen: 0.354 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

Tgt Ion: 83 Resp: 9677
Ion Ratio Lower Upper
83 100
55 81.8 60.6 90.8
98 47.3 35.8 53.6

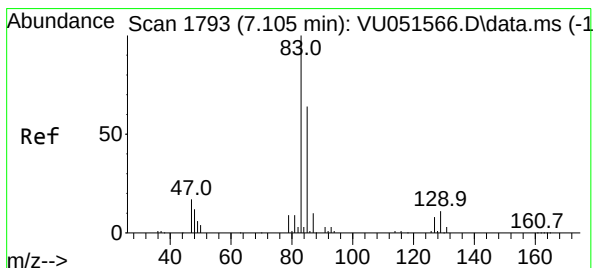
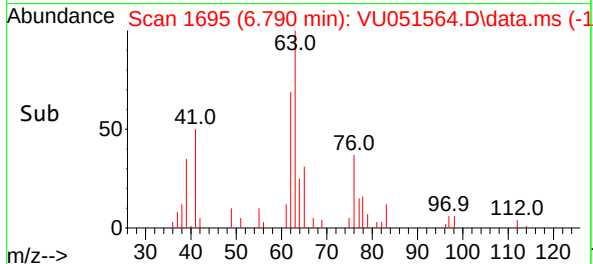
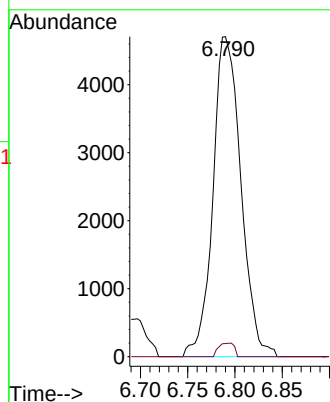
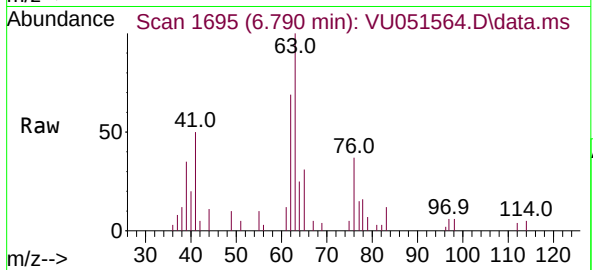




#37
1,2-Dichloropropane
Concen: 0.460 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. -0.000 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

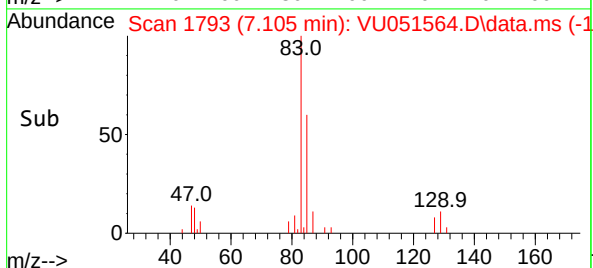
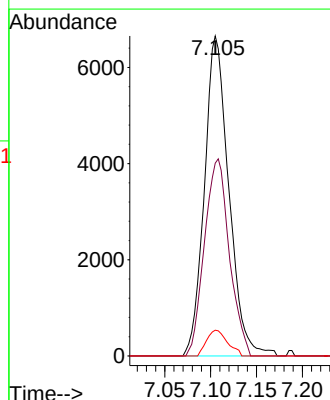
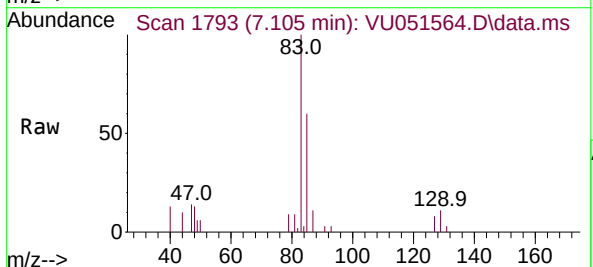
Instrument :
MSVOA_U
ClientSampleId :

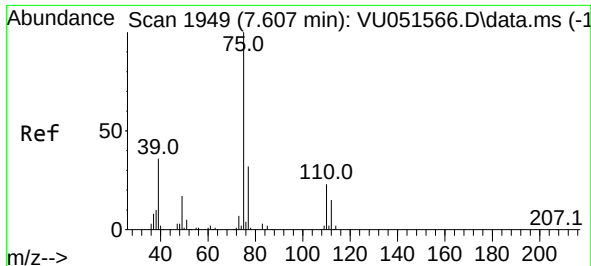
Tgt Ion: 63 Resp: 9679
Ion Ratio Lower Upper
63 100
112 2.4 3.3 4.9#



#38
Bromodichloromethane
Concen: 0.480 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

Tgt Ion: 83 Resp: 12339
Ion Ratio Lower Upper
83 100
85 60.2 45.1 83.7
127 8.0 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 0.426 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU051564.D

Acq: 28 Oct 2022 12:03

Instrument :

MSVOA_U

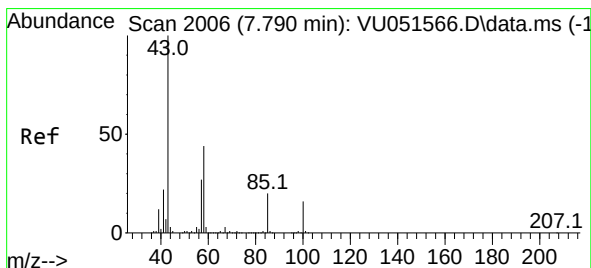
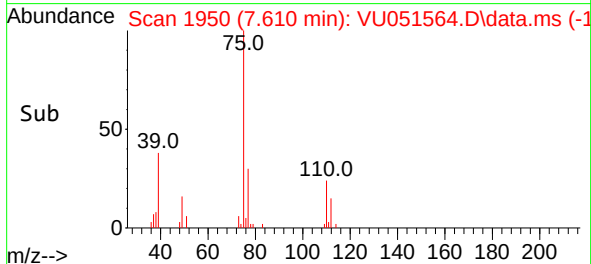
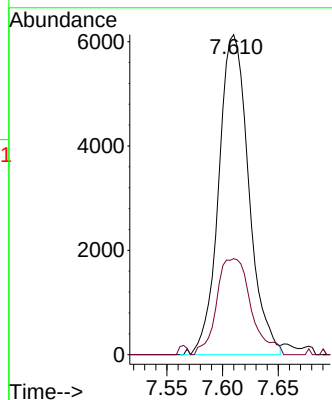
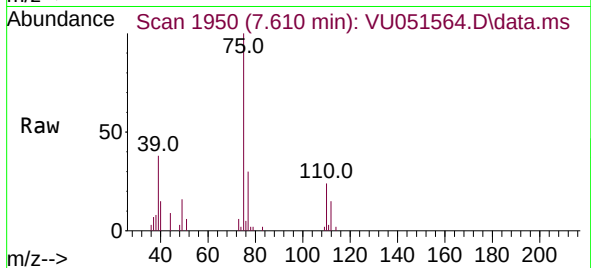
ClientSampleId :

Tgt Ion: 75 Resp: 11514

Ion Ratio Lower Upper

75 100

77 30.0 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 4.129 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU051564.D

Acq: 28 Oct 2022 12:03

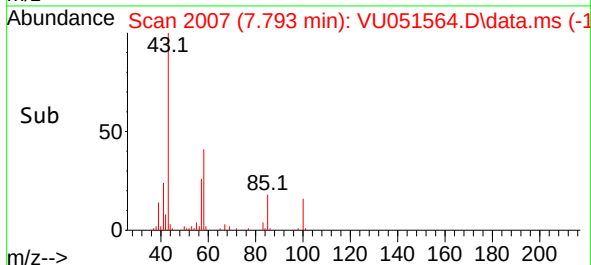
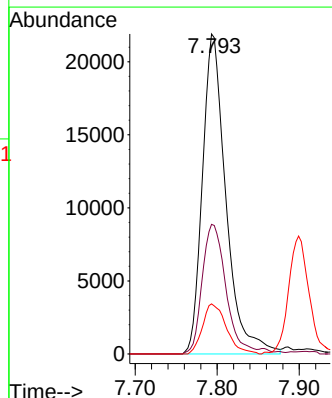
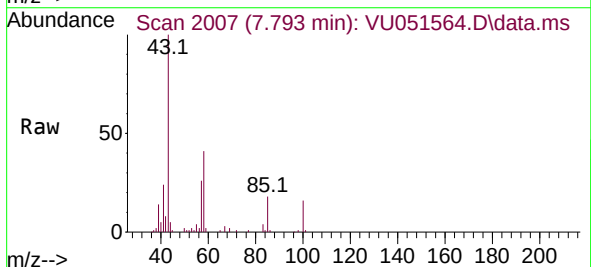
Tgt Ion: 43 Resp: 43589

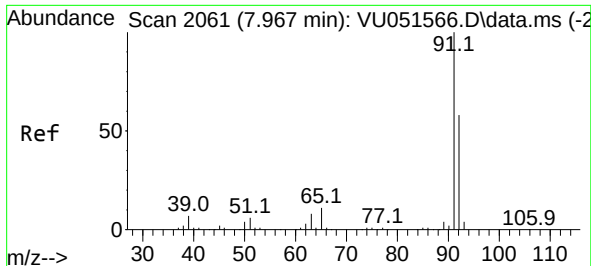
Ion Ratio Lower Upper

43 100

58 40.6 35.0 52.6

100 15.9 13.4 20.0





#42

Toluene

Concen: 0.426 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU051564.D

Acq: 28 Oct 2022 12:03

Instrument :

MSVOA_U

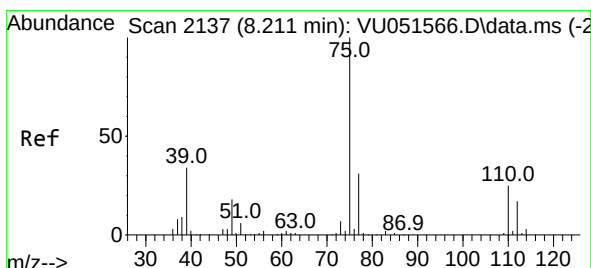
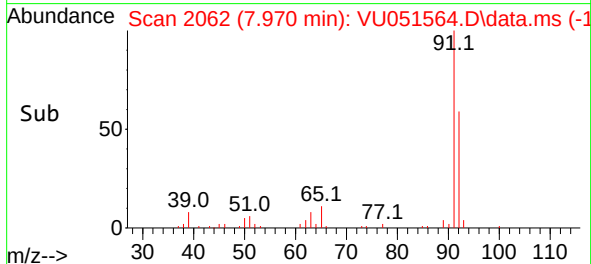
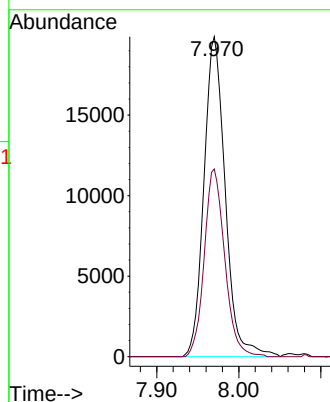
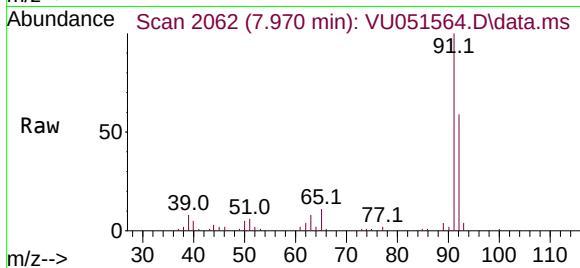
ClientSampleId :

Tgt Ion: 91 Resp: 35821

Ion Ratio Lower Upper

91 100

92 58.7 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 0.417 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU051564.D

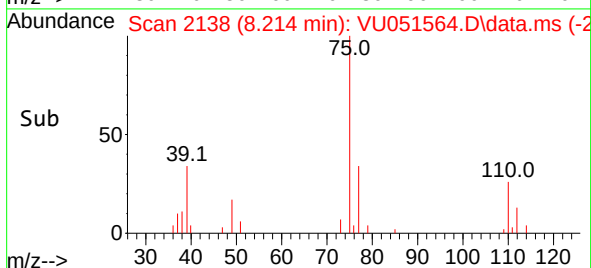
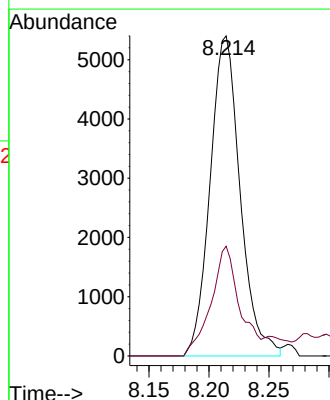
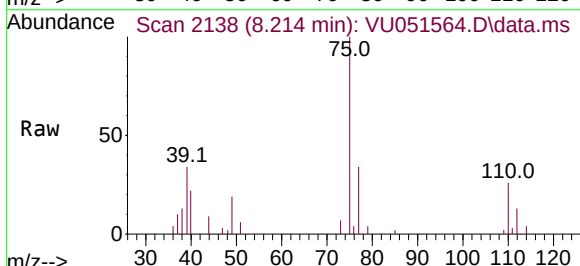
Acq: 28 Oct 2022 12:03

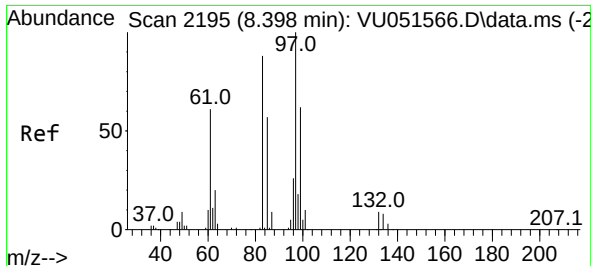
Tgt Ion: 75 Resp: 9418

Ion Ratio Lower Upper

75 100

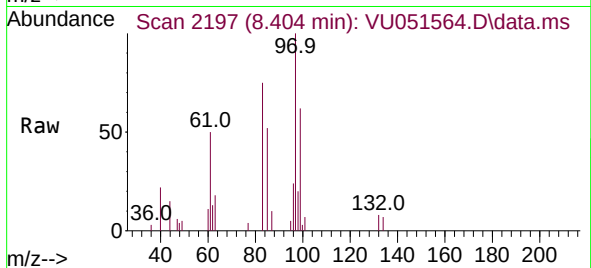
77 34.3 21.8 40.6



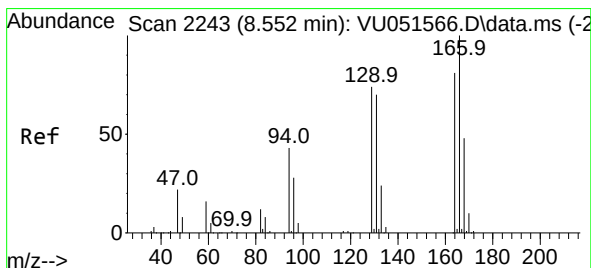
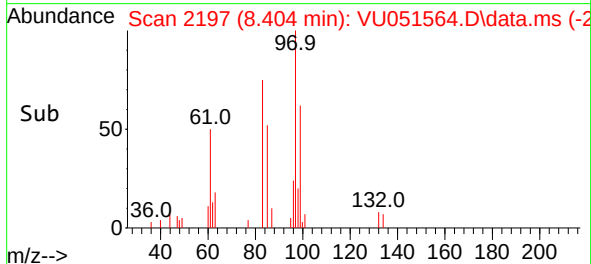
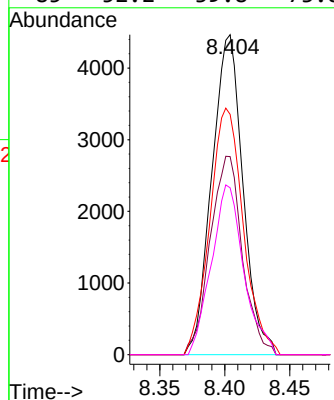


#45
1,1,2-Trichloroethane
Concen: 0.481 ug/L
RT: 8.404 min Scan# 2195
Delta R.T. 0.006 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

Instrument :
MSVOA_U
ClientSampleId :

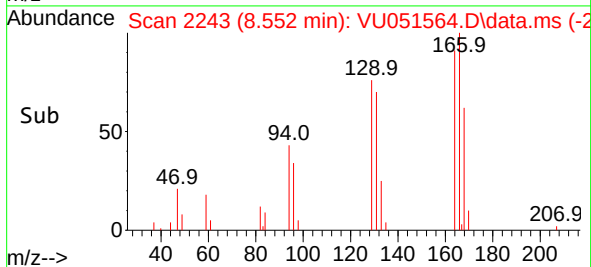
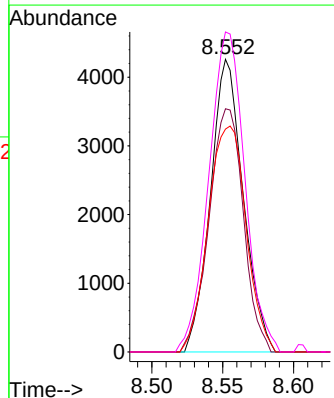
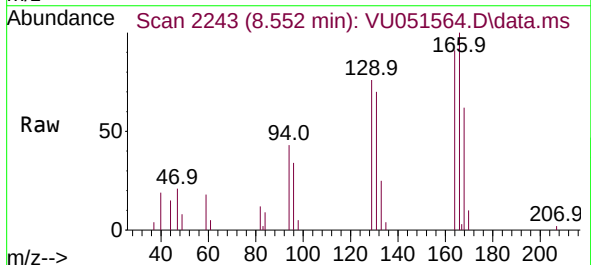


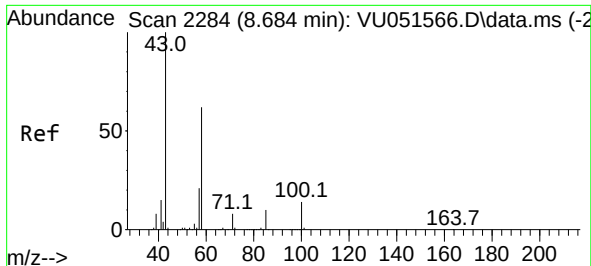
Tgt Ion: 97	Resp: 7416
Ion Ratio	Lower Upper
97 100	
99 61.9	43.4 80.6
83 75.1	61.3 113.9
85 52.2	39.8 73.8



#47
Tetrachloroethene
Concen: 0.454 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

Tgt Ion: 164	Resp: 6868
Ion Ratio	Lower Upper
164 100	
129 83.1	64.0 118.8
131 76.2	60.7 112.7
166 109.3	86.8 161.2

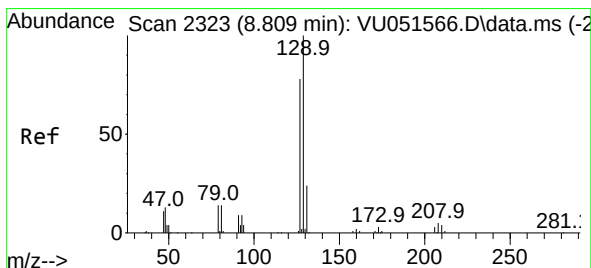
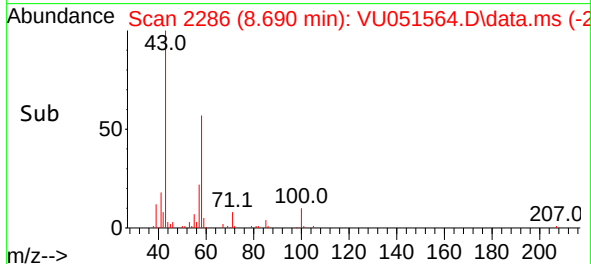
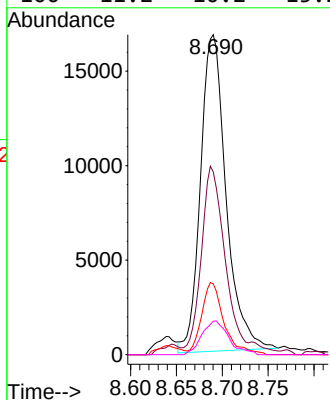
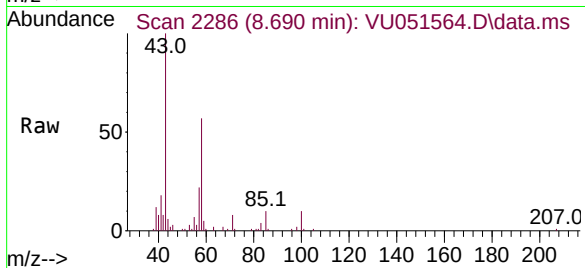




#48
2-Hexanone
Concen: 4.164 ug/L
RT: 8.690 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

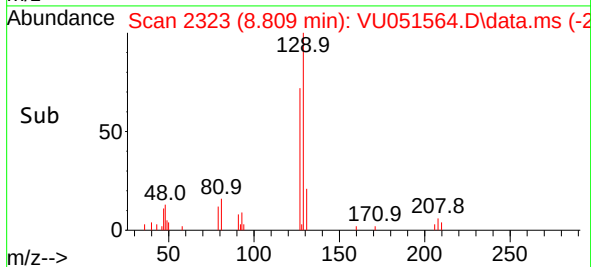
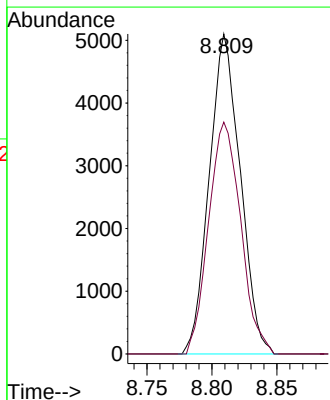
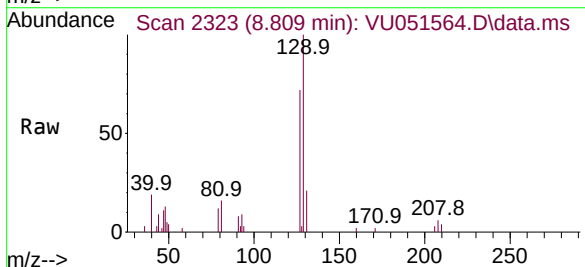
Instrument :
MSVOA_U
ClientSampleId :

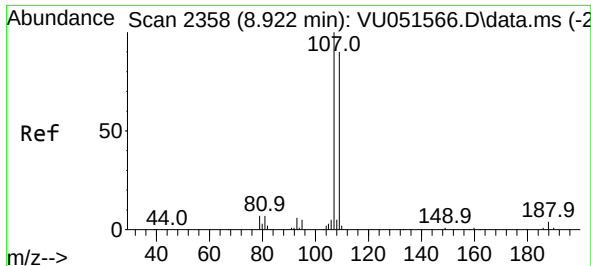
Tgt Ion: 43	Resp: 32541
Ion Ratio	Lower Upper
43 100	
58 54.9	48.2 72.2
57 20.0	16.6 25.0
100 11.2	10.2 15.2



#49
Dibromochloromethane
Concen: 0.480 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

Tgt Ion:129	Resp:	8455	
Ion	Ratio	Lower	Upper
129	100		
127	72.5	54.8	101.8

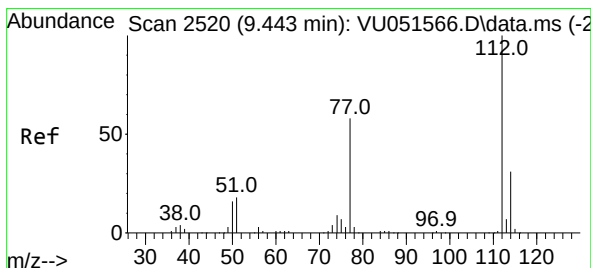
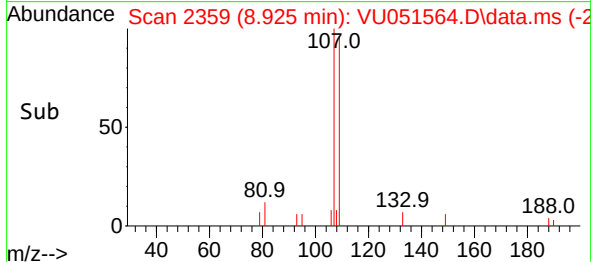
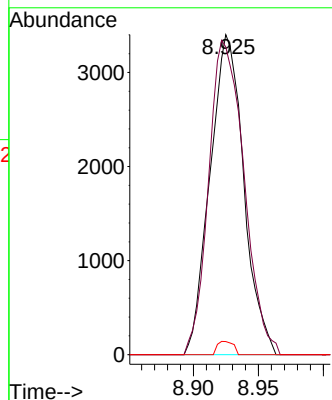
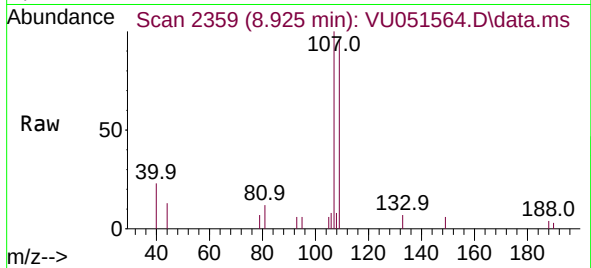




#50
1,2-Dibromoethane
Concen: 0.441 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

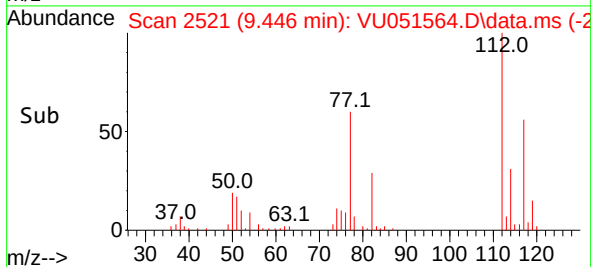
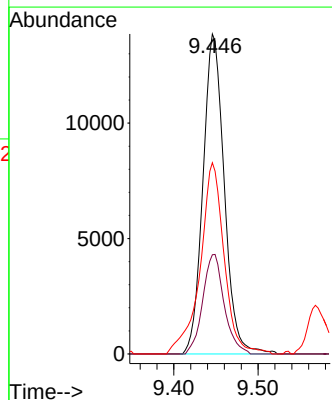
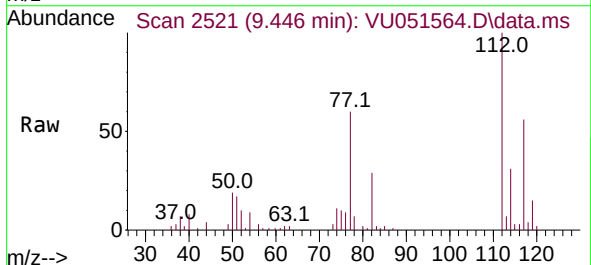
Instrument :
MSVOA_U
ClientSampleId :

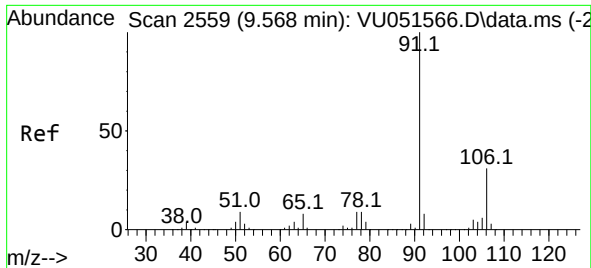
Tgt Ion:107 Resp: 6138
Ion Ratio Lower Upper
107 100
109 96.1 63.0 117.0
188 4.1 3.0 4.4



#51
Chlorobenzene
Concen: 0.462 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

Tgt Ion:112 Resp: 24418
Ion Ratio Lower Upper
112 100
114 31.0 22.0 40.8
77 59.7 46.7 70.1

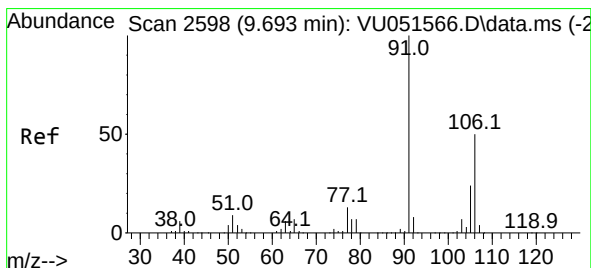
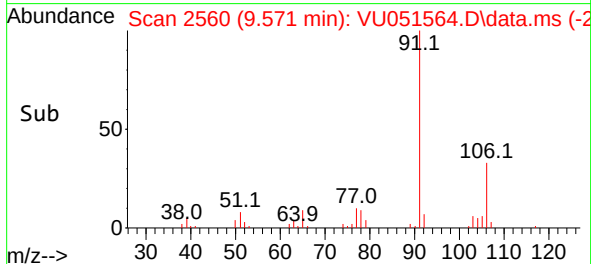
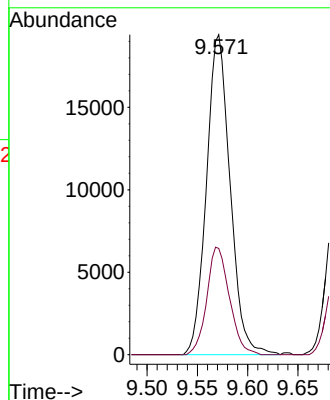
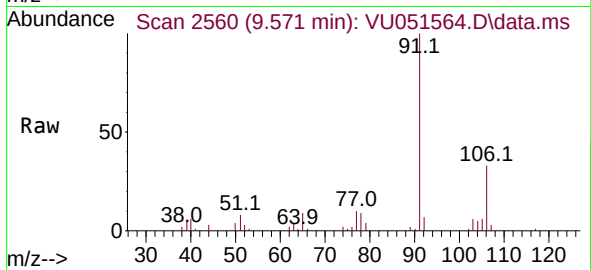




#52
Ethylbenzene
Concen: 0.392 ug/L
RT: 9.571 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

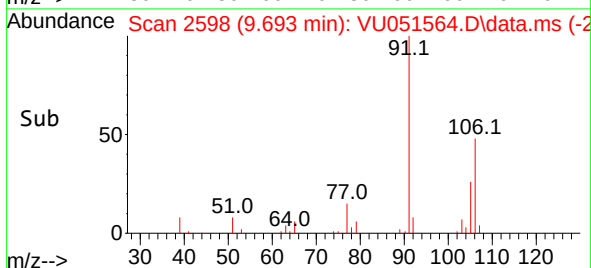
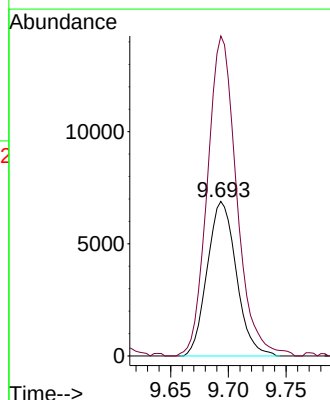
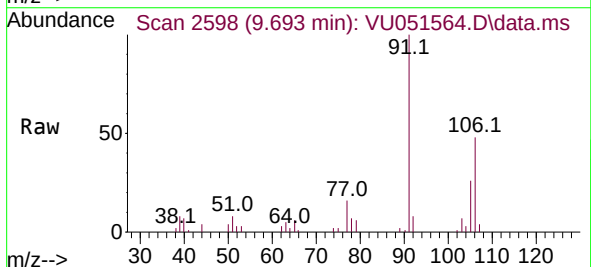
Instrument :
MSVOA_U
ClientSampleId :

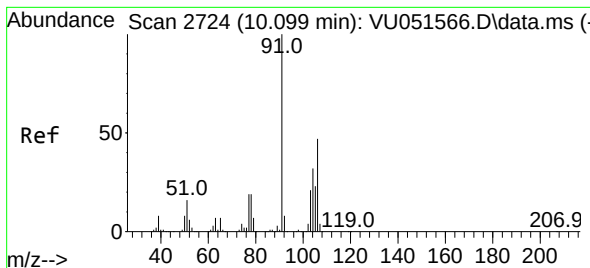
Tgt Ion: 91 Resp: 31754
Ion Ratio Lower Upper
91 100
106 33.2 21.8 40.6



#53
m,p-Xylene
Concen: 0.383 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

Tgt Ion: 106 Resp: 12076
Ion Ratio Lower Upper
106 100
91 207.1 139.4 259.0





#54

o-Xylene

Concen: 0.376 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. -0.000 min

Lab File: VU051564.D

Acq: 28 Oct 2022 12:03

Instrument :

MSVOA_U

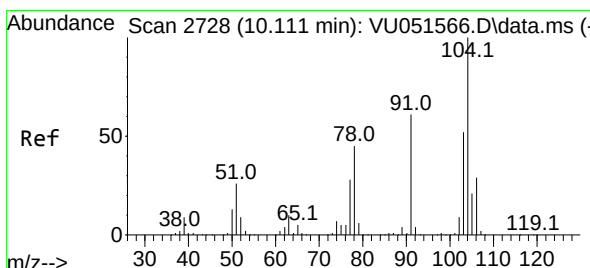
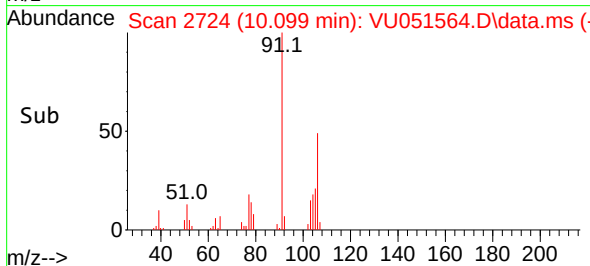
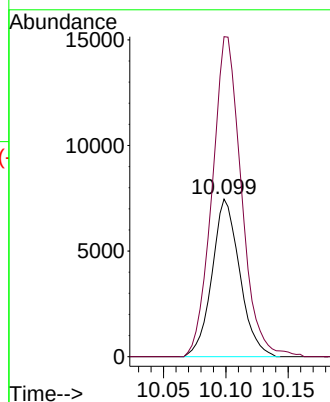
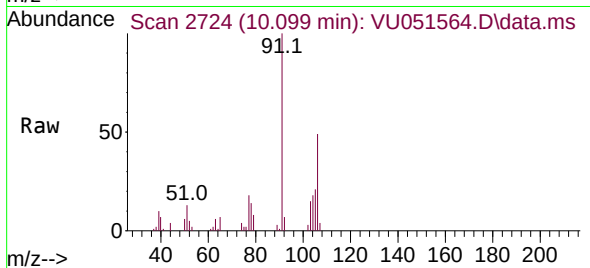
ClientSampleId :

Tgt Ion:106 Resp: 11562

Ion Ratio Lower Upper

106 100

91 203.1 149.2 277.2



#55

Styrene

Concen: 0.346 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.003 min

Lab File: VU051564.D

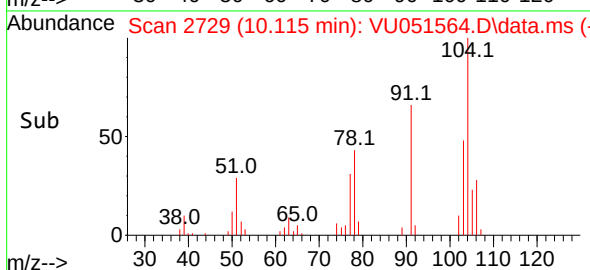
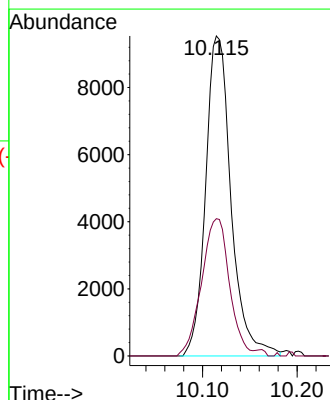
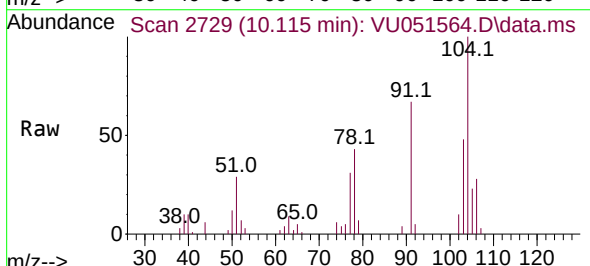
Acq: 28 Oct 2022 12:03

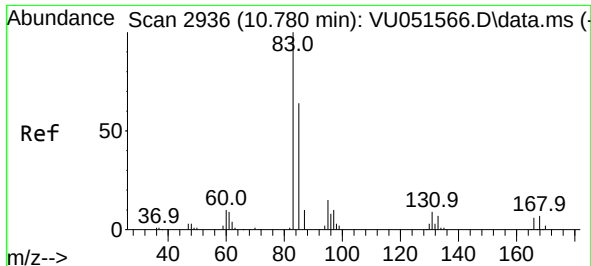
Tgt Ion:104 Resp: 17816

Ion Ratio Lower Upper

104 100

78 42.9 31.8 59.0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.475 ug/L

RT: 10.783 min Scan# 2936

Delta R.T. 0.003 min

Lab File: VU051564.D

Acq: 28 Oct 2022 12:03

Instrument :

MSVOA_U

ClientSampleId :

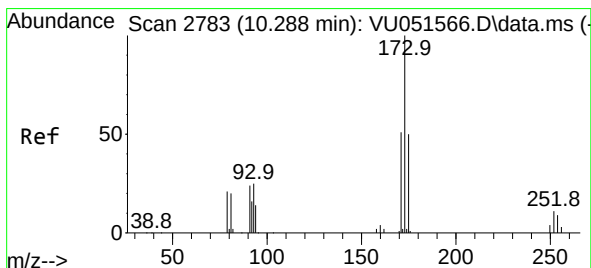
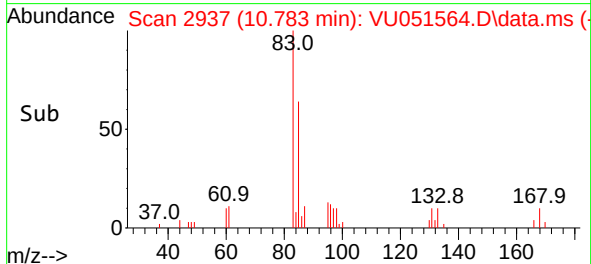
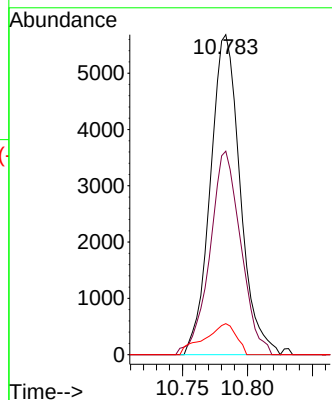
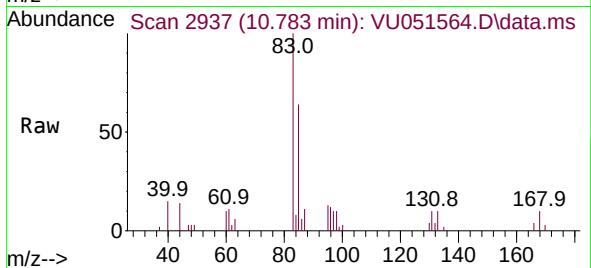
Tgt Ion: 83 Resp: 9076

Ion Ratio Lower Upper

83 100

85 63.6 44.9 83.5

131 9.7 7.8 11.8



#59

Bromoform

Concen: 0.509 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU051564.D

Acq: 28 Oct 2022 12:03

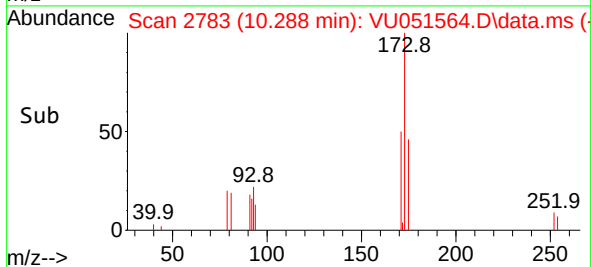
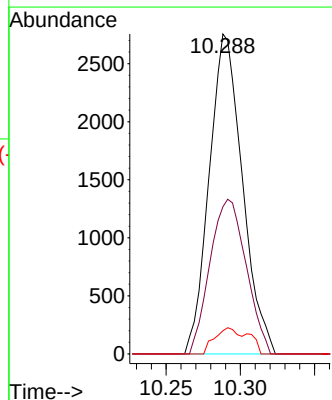
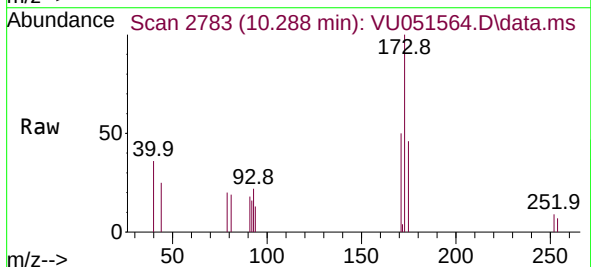
Tgt Ion:173 Resp: 4276

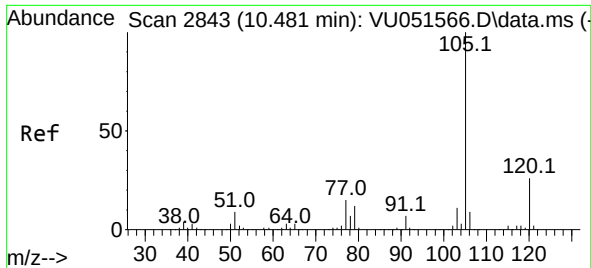
Ion Ratio Lower Upper

173 100

175 52.6 38.7 58.1

254 6.1 7.3 10.9#

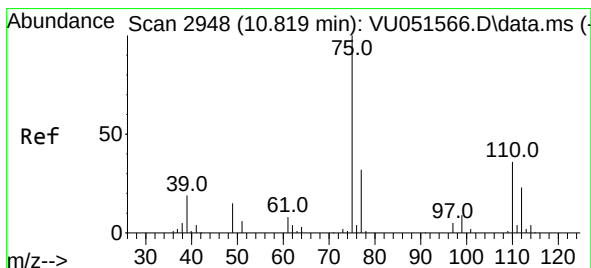
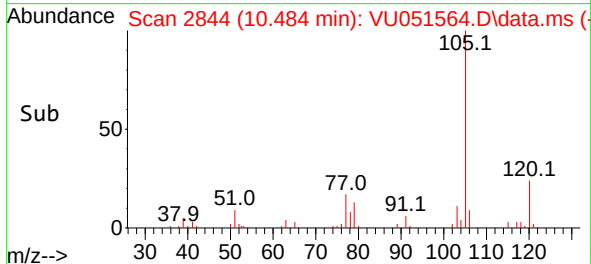
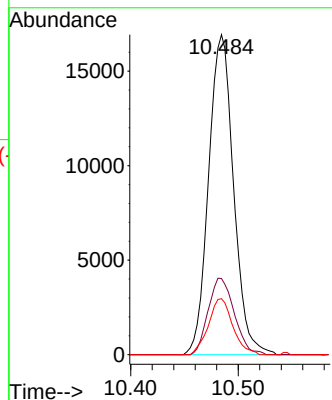
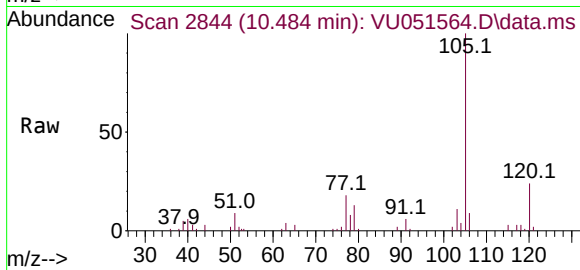




#60
Isopropylbenzene
Concen: 0.412 ug/L
RT: 10.484 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

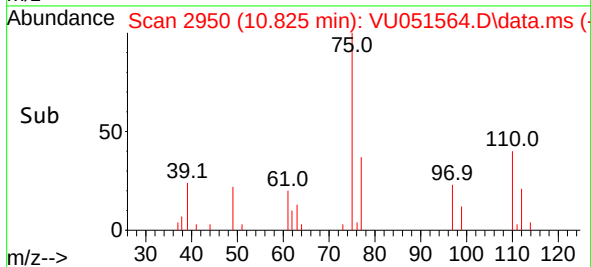
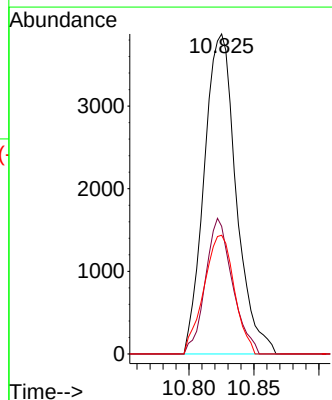
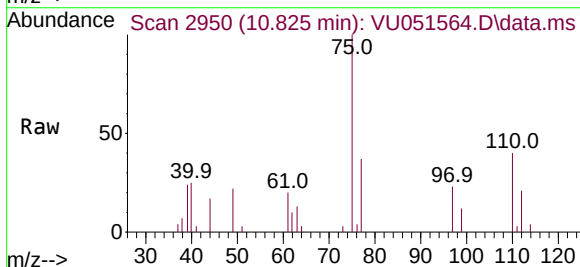
Instrument :
MSVOA_U
ClientSampleId :

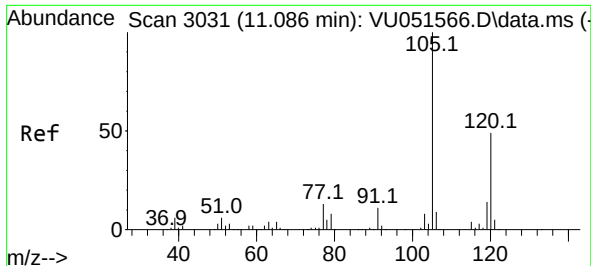
Tgt Ion:105 Resp: 27309
Ion Ratio Lower Upper
105 100
120 24.9 20.9 31.3
77 17.1 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 0.564 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.006 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

Tgt Ion: 75 Resp: 6621
Ion Ratio Lower Upper
75 100
110 35.9 28.7 43.1
77 35.2 26.1 39.1





#62

1,3,5-Trimethylbenzene

Concen: 0.413 ug/L

RT: 11.089 min Scan# 3031

Delta R.T. 0.003 min

Lab File: VU051564.D

Acq: 28 Oct 2022 12:03

Instrument :

MSVOA_U

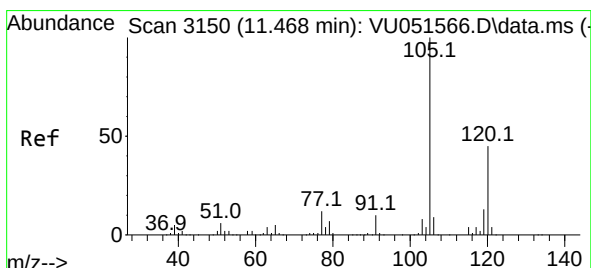
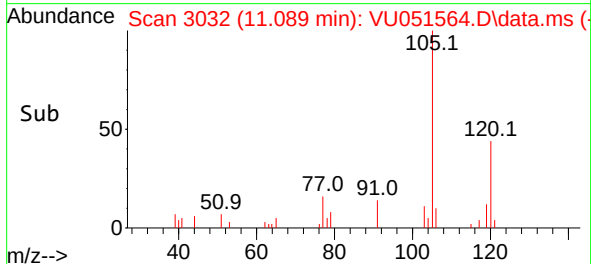
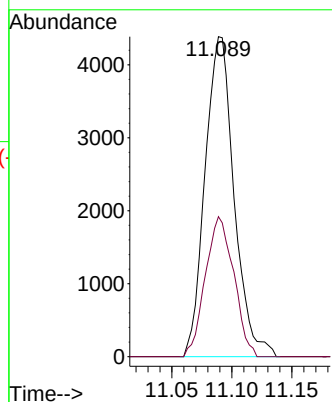
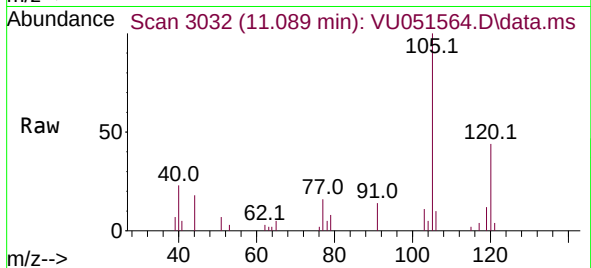
ClientSampleId :

Tgt Ion:105 Resp: 7380

Ion Ratio Lower Upper

105 100

120 42.8 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 0.378 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU051564.D

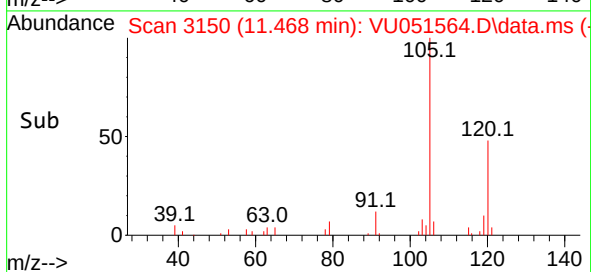
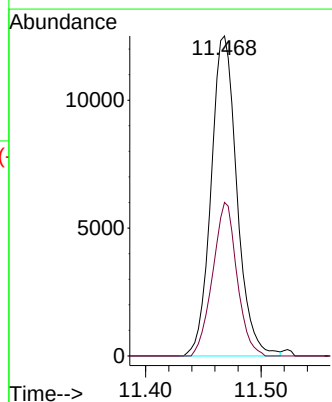
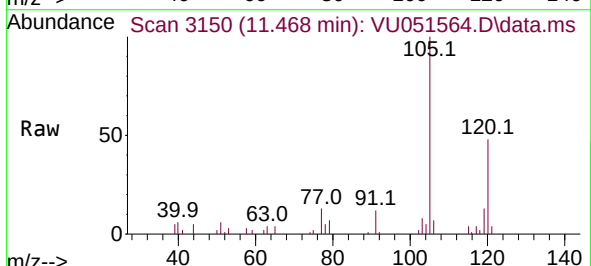
Acq: 28 Oct 2022 12:03

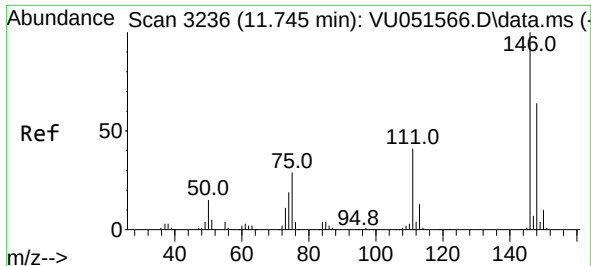
Tgt Ion:105 Resp: 19459

Ion Ratio Lower Upper

105 100

120 45.0 35.8 53.6

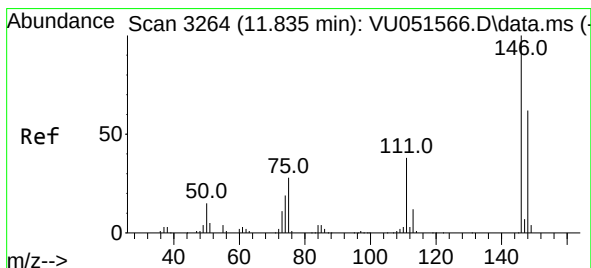
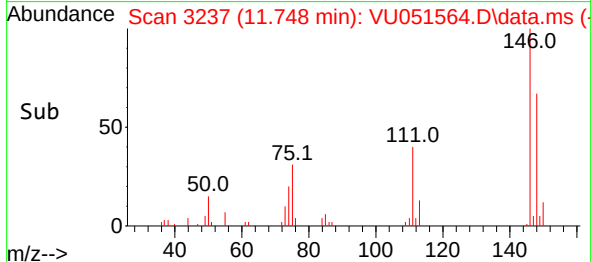
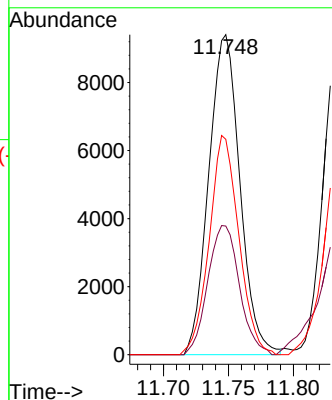
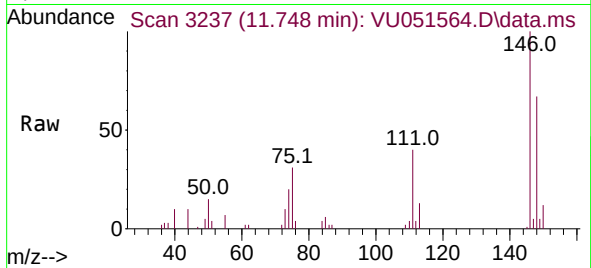




#64
1,3-Dichlorobenzene
Concen: 0.475 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

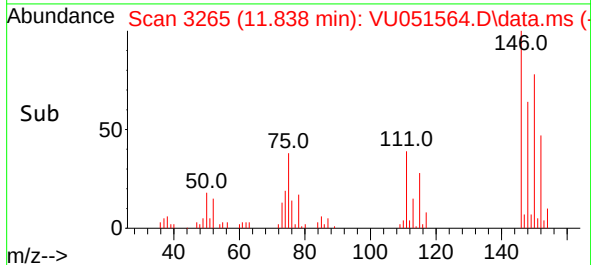
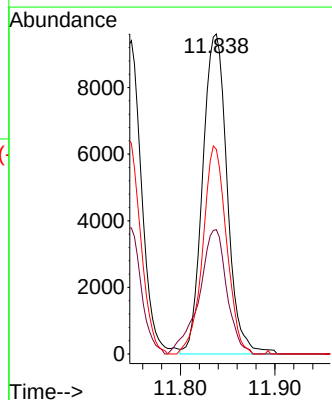
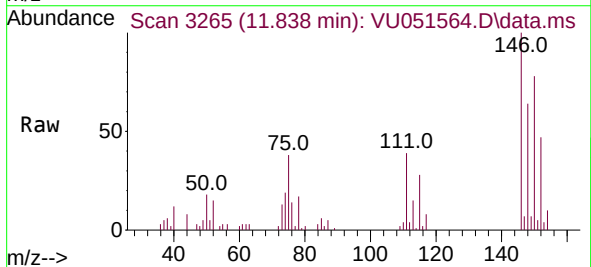
Instrument :
MSVOA_U
ClientSampleId :

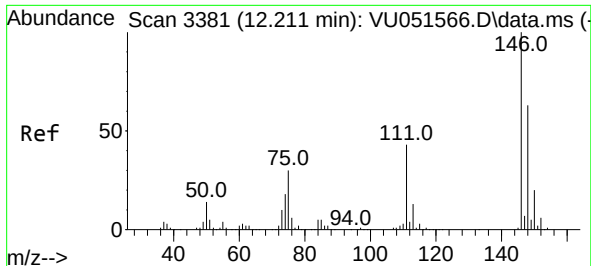
Tgt Ion:146 Resp: 15681
Ion Ratio Lower Upper
146 100
111 40.2 28.6 53.2
148 67.3 44.7 82.9



#65
1,4-Dichlorobenzene
Concen: 0.522 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

Tgt Ion:146 Resp: 17273
Ion Ratio Lower Upper
146 100
111 38.9 26.7 49.5
148 64.0 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 0.523 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU051564.D

Acq: 28 Oct 2022 12:03

Instrument :

MSVOA_U

ClientSampleId :

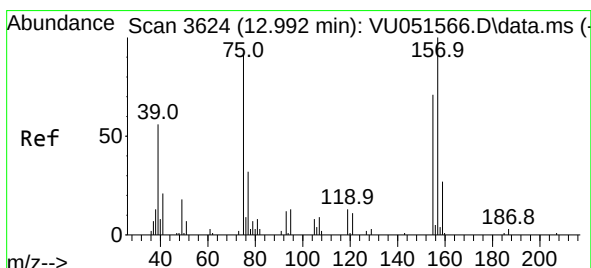
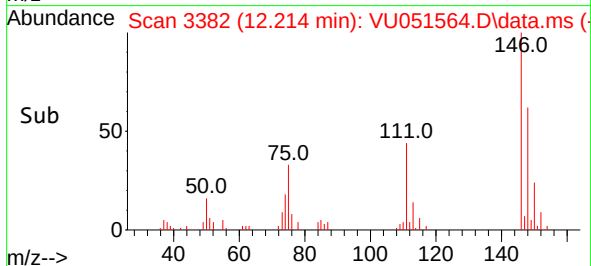
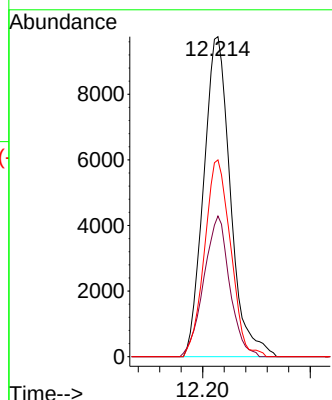
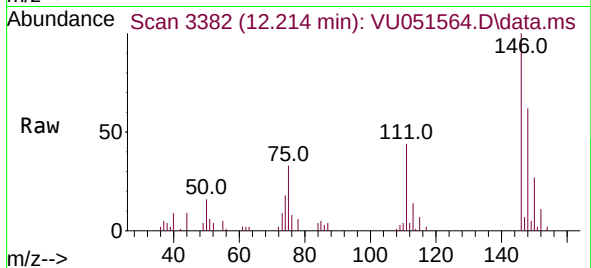
Tgt Ion:146 Resp: 16823

Ion Ratio Lower Upper

146 100

111 43.9 34.2 51.2

148 61.5 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 0.592 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. 0.003 min

Lab File: VU051564.D

Acq: 28 Oct 2022 12:03

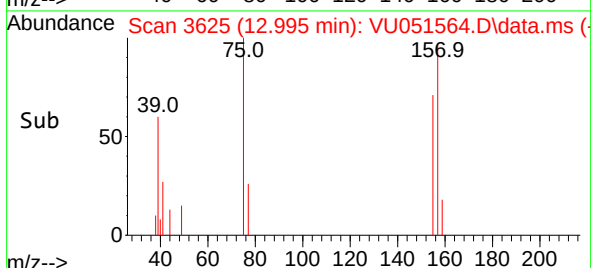
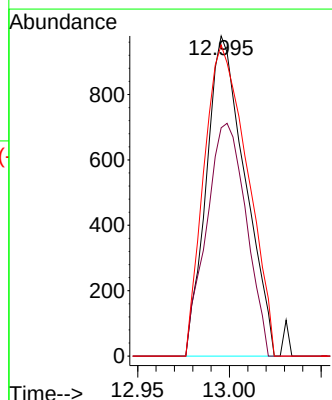
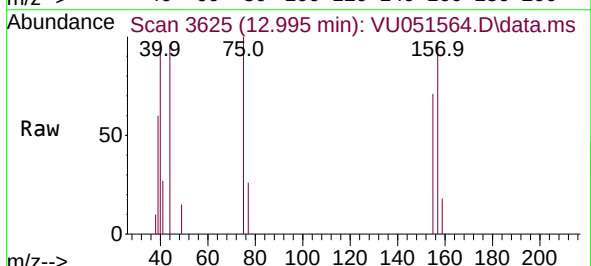
Tgt Ion: 75 Resp: 1432

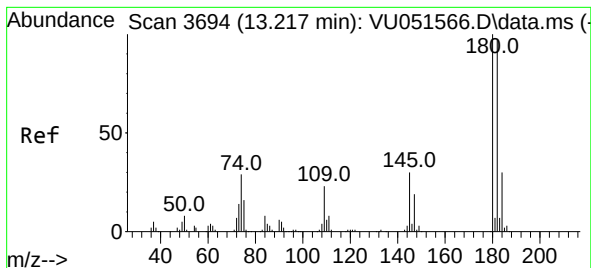
Ion Ratio Lower Upper

75 100

155 71.3 61.4 92.2

157 97.1 86.7 130.1





#69

1,3,5-Trichlorobenzene

Concen: 0.507 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. 0.003 min

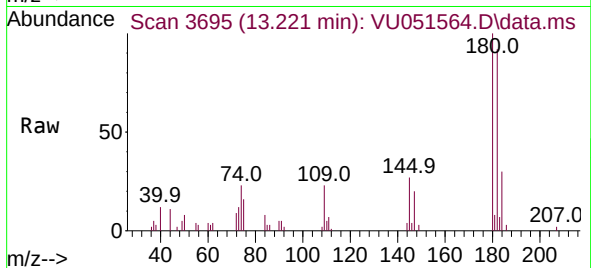
Lab File: VU051564.D

Acq: 28 Oct 2022 12:03

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 11926

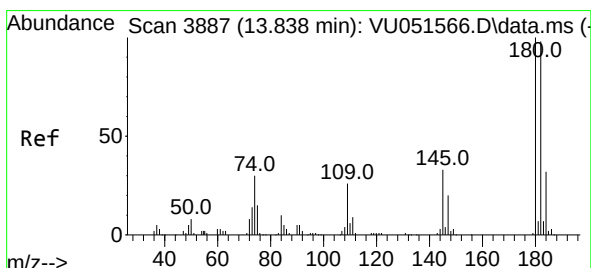
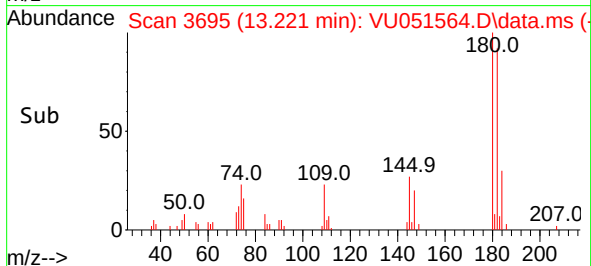
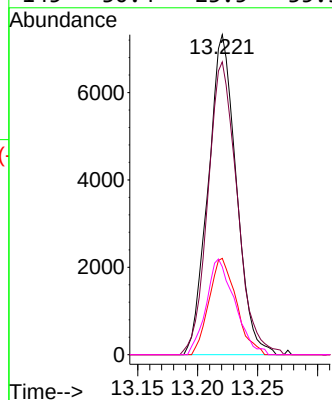
Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.6

184 29.3 23.7 35.5

145 30.4 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 0.528 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.003 min

Lab File: VU051564.D

Acq: 28 Oct 2022 12:03

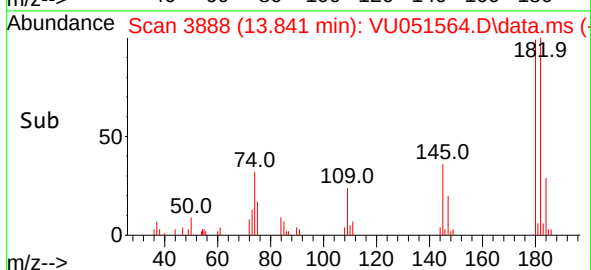
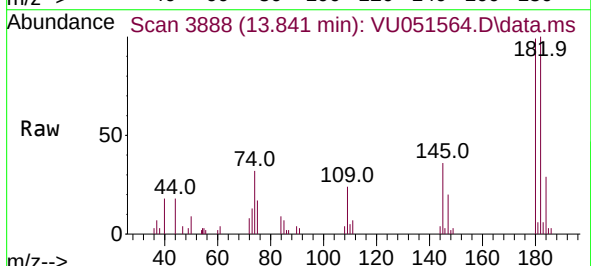
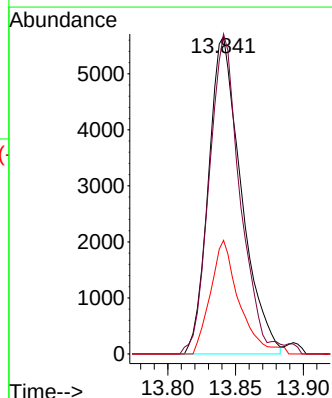
Tgt Ion:180 Resp: 9538

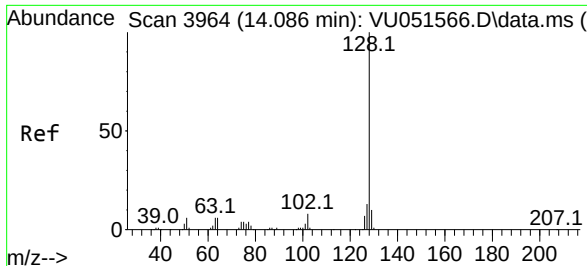
Ion Ratio Lower Upper

180 100

182 94.5 77.8 116.6

145 31.3 25.0 37.6

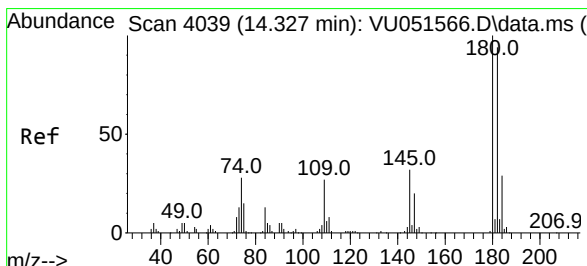
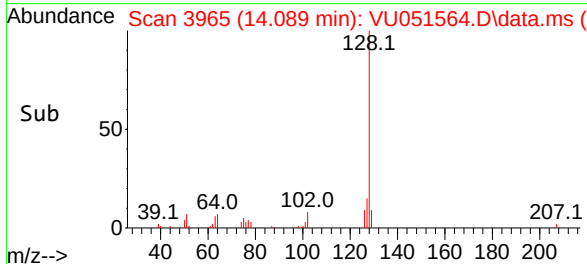
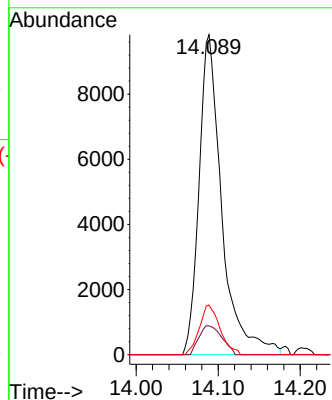
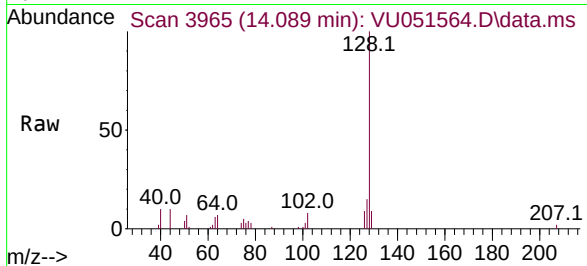




#71
Naphthalene
Concen: 0.562 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 18941
Ion Ratio Lower Upper
128 100
129 9.1 8.4 12.6
127 14.0 10.3 15.5



#72
1,2,3-Trichlorobenzene
Concen: 0.540 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU051564.D
Acq: 28 Oct 2022 12:03

Tgt Ion:180 Resp: 9849
Ion Ratio Lower Upper
180 100
182 99.9 76.1 114.1
145 29.6 25.6 38.4

