

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091523\
 Data File : VU055335.D
 Acq On : 15 Sep 2023 12:51
 Operator : MD/SY
 Sample : VSTD0.555
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 16 00:15:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 16 00:14:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	193395	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	204269	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	96372	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	5126	0.469	ug/L	0.00
7) Chloroethane-d5	1.911	69	5571	0.617	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.566	65	1702	0.365	ug/L	0.00
20) 2-Butanone-d5	4.650	46	11793	5.478	ug/L	0.02
24) Chloroform-d	5.062	84	10601	0.497	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.708	65	5186	0.518	ug/L	0.00
32) Benzene-d6	5.730	84	16778	0.390	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.695	67	5897	0.458	ug/L	0.00
41) Toluene-d8	7.897	98	14690	0.368	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.187	79	1877	0.377	ug/L	0.00
46) 2-Hexanone-d5	8.637	63	6315	4.031	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.756	84	5057	0.521	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.196	152	5323	0.436	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	9566	0.621	ug/L	97
3) Chloromethane	1.518	50	8593	0.591	ug/L #	83
5) Vinyl chloride	1.602	62	9867	0.644	ug/L	99
6) Bromomethane	1.853	94	7415	0.743	ug/L	100
8) Chloroethane	1.930	64	8393	0.806	ug/L	100
9) Trichlorofluoromethane	2.136	101	15285	0.625	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	8507	0.629	ug/L	95
12) 1,1-Dichloroethene	2.583	96	7162	0.592	ug/L #	76
13) Acetone	2.644	43	11236	4.639	ug/L	87
14) Carbon disulfide	2.792	76	22013	0.680	ug/L	98
15) Methyl Acetate	2.965	43	1872	0.418	ug/L #	68
16) Methylene chloride	3.046	84	14257	0.878	ug/L	98
17) Methyl tert-butyl Ether	3.357	73	15908	0.528	ug/L	98
18) trans-1,2-Dichloroethene	3.354	96	7581	0.604	ug/L	93
19) 1,1-Dichloroethane	3.865	63	15239	0.608	ug/L	98
21) 2-Butanone	4.724	43	15903	4.795	ug/L #	65
22) cis-1,2-Dichloroethene	4.663	96	9579	0.655	ug/L	92
23) Bromochloromethane	4.978	128	3434	0.546	ug/L #	84
25) Chloroform	5.084	83	16674	0.614	ug/L	93
27) 1,2-Dichloroethane	5.795	62	10202	0.646	ug/L #	90
29) 1,1,1-Trichloroethane	5.316	97	12743	0.498	ug/L	98
30) Cyclohexane	5.389	56	12152	0.563	ug/L	94
31) Carbon tetrachloride	5.521	117	10769	0.491	ug/L	98
33) Benzene	5.775	78	32819	0.552	ug/L	100
34) Trichloroethene	6.544	95	10457	0.648	ug/L	89
35) Methylcyclohexane	6.762	83	13392	0.562	ug/L	97
37) 1,2-Dichloropropane	6.788	63	8612	0.551	ug/L #	91
38) Bromodichloromethane	7.106	83	10732	0.551	ug/L	95
39) cis-1,3-Dichloropropene	7.608	75	11135	0.490	ug/L	97
40) 4-Methyl-2-pentanone	7.791	43	40236	5.177	ug/L	99
42) Toluene	7.968	91	34350	0.540	ug/L	95
44) trans-1,3-Dichloropropene	8.216	75	8730	0.474	ug/L	95

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 QLast Update : Sat Sep 16 00:14:42 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

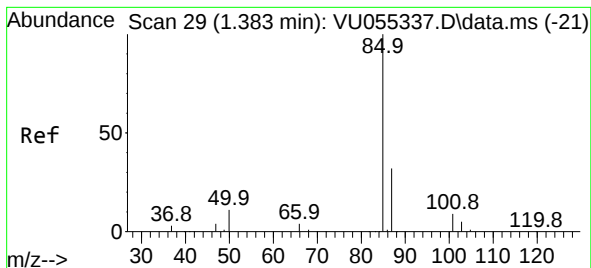
45) 1,1,2-Trichloroethane	8.399	97	6119	0.554	ug/L	97
47) Tetrachloroethene	8.553	164	6525	0.515	ug/L	98
48) 2-Hexanone	8.688	43	30131	5.079	ug/L #	94
49) Dibromochloromethane	8.807	129	5872	0.481	ug/L	99
50) 1,2-Dibromoethane	8.926	107	5321	0.517	ug/L #	87
51) Chlorobenzene	9.447	112	24193	0.570	ug/L	98
52) Ethylbenzene	9.569	91	36619	0.518	ug/L	95
53) m,p-Xylene	9.695	106	13417	0.500	ug/L	90
54) o-Xylene	10.100	106	12404	0.471	ug/L	91
55) Styrene	10.116	104	20597	0.478	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.785	83	6637	0.509	ug/L	99
59) Bromoform	10.293	173	2705	0.449	ug/L #	98
60) Isopropylbenzene	10.486	105	35447	0.583	ug/L	98
61) 1,2,3-Trichloropropane	10.823	75	5369	0.672	ug/L	93
62) 1,3,5-Trimethylbenzene	11.087	105	26395	0.541	ug/L	93
63) 1,2,4-Trimethylbenzene	11.470	105	26138	0.535	ug/L	97
64) 1,3-Dichlorobenzene	11.746	146	17829	0.600	ug/L	100
65) 1,4-Dichlorobenzene	11.836	146	16809	0.568	ug/L	95
67) 1,2-Dichlorobenzene	12.216	146	15252	0.561	ug/L	94
68) 1,2-Dibromo-3-chloropr...	13.000	75	842	0.519	ug/L #	66
69) 1,3,5-Trichlorobenzene	13.222	180	11751	0.545	ug/L	97
70) 1,2,4-trichlorobenzene	13.842	180	9045	0.517	ug/L	97
71) Naphthalene	14.093	128	13961	0.555	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	8121	0.552	ug/L	96

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

Instrument :
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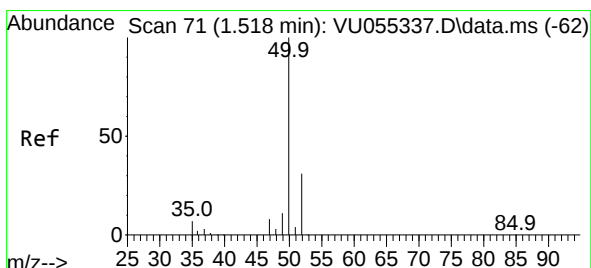
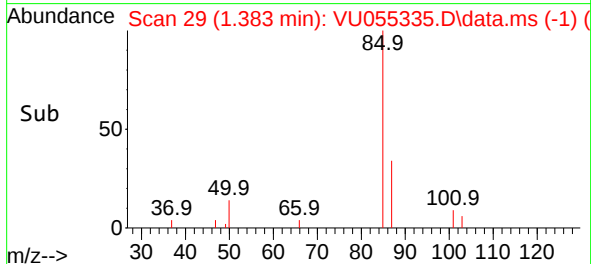
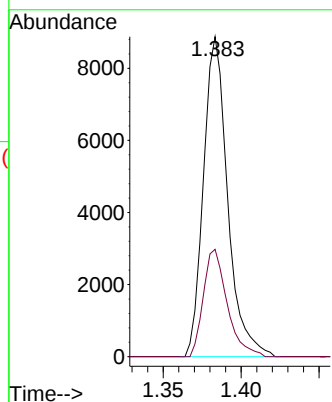
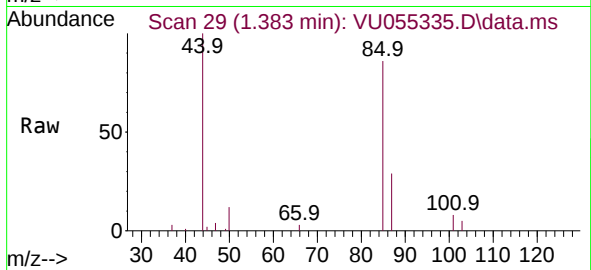




#2
 Dichlorodifluoromethane
 Concen: 0.621 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055335.D
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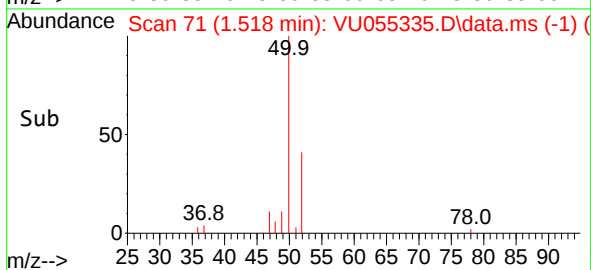
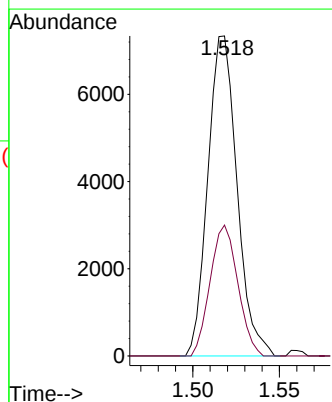
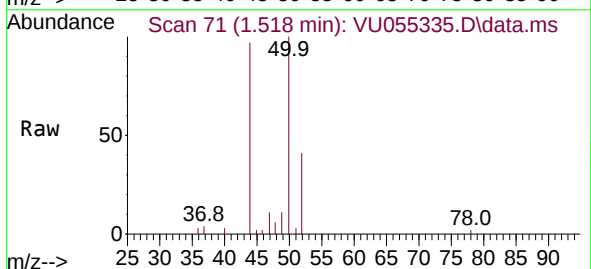
Instrument :
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 ClientSampleId :

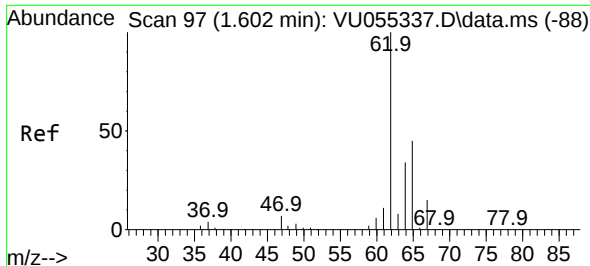
Tgt Ion: 85 Resp: 9566
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.3 37.9



#3
 Chloromethane
 Concen: 0.591 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU055335.D
 Acq: 15 Sep 2023 12:51

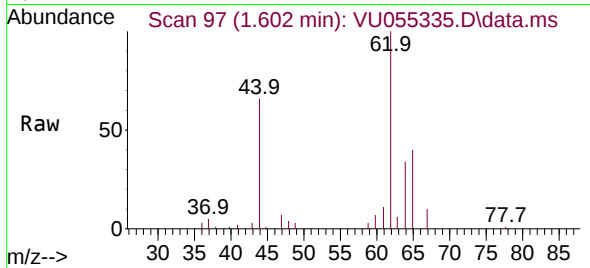
Tgt Ion: 50 Resp: 8593
 Ion Ratio Lower Upper
 50 100
 52 40.9 22.0 40.8#



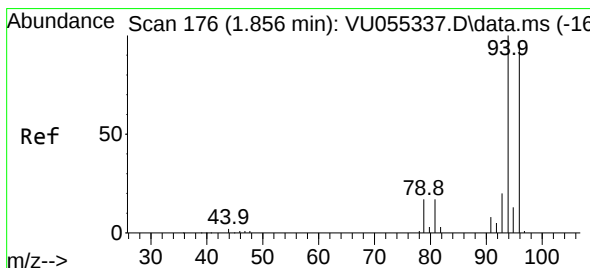
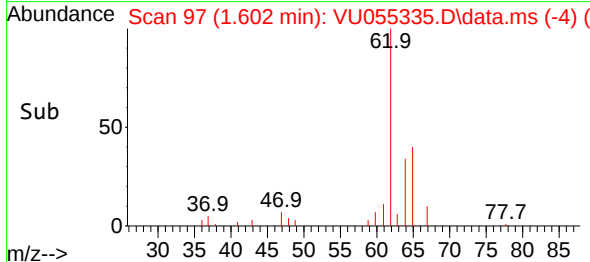
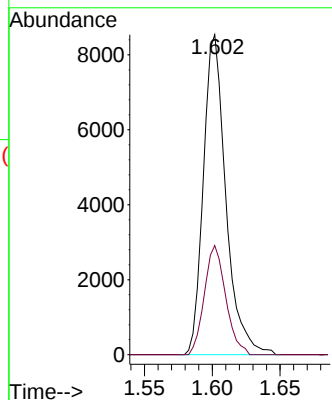


#5
 Vinyl chloride
 Concen: 0.644 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055335.D
 Acq: 15 Sep 2023 12:51

Instrument :
 MSVOA_U
 ClientSampleId :

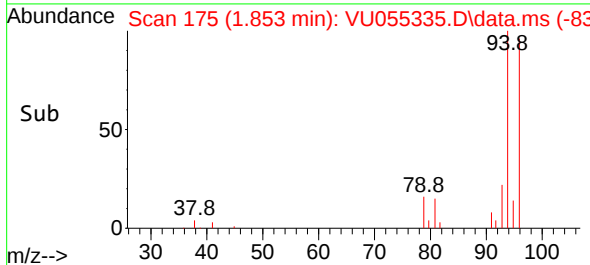
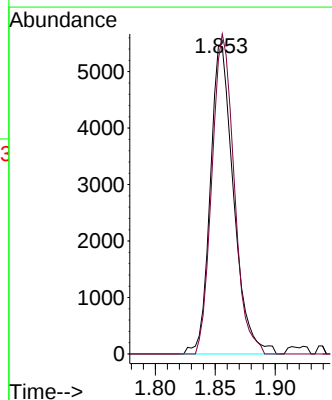
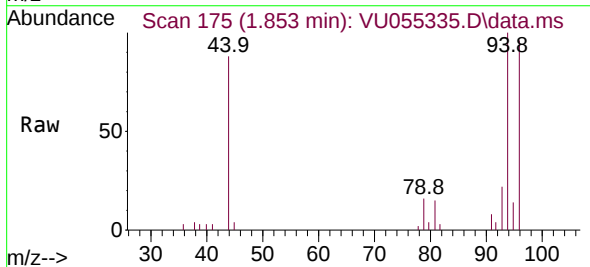


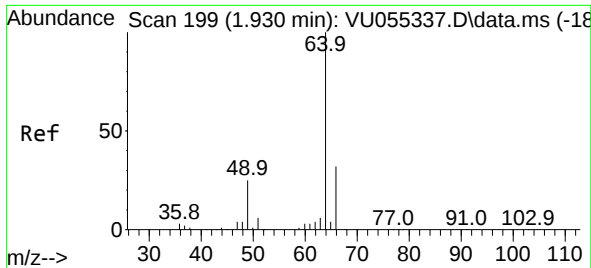
Tgt Ion: 62 Resp: 9867
 Ion Ratio Lower Upper
 62 100
 64 34.1 23.4 43.6



#6
 Bromomethane
 Concen: 0.743 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.003 min
 Lab File: VU055335.D
 Acq: 15 Sep 2023 12:51

Tgt Ion: 94 Resp: 7415
 Ion Ratio Lower Upper
 94 100
 96 95.6 66.9 124.3





#8

Chloroethane

Concen: 0.806 ug/L

RT: 1.930 min Scan# 199

Delta R.T. -0.000 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

Instrument :

MSVOA_U

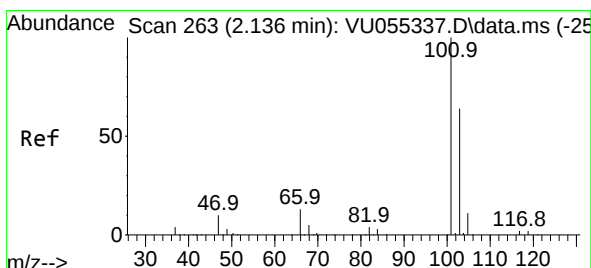
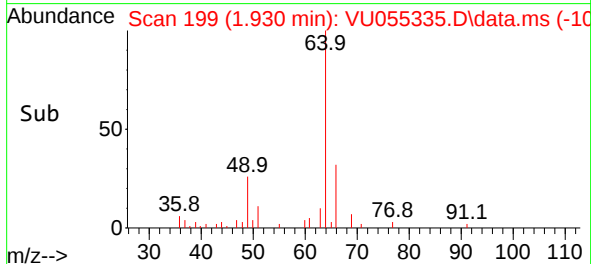
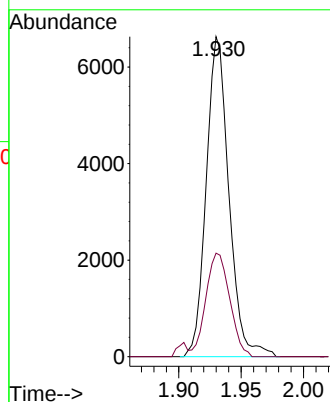
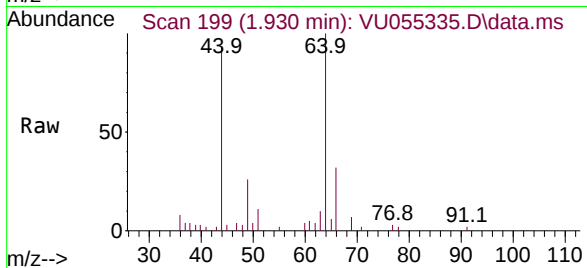
ClientSampleId :

Tgt Ion: 64 Resp: 8393

Ion Ratio Lower Upper

64 100

66 32.4 22.7 42.1



#9

Trichlorofluoromethane

Concen: 0.625 ug/L

RT: 2.136 min Scan# 263

Delta R.T. -0.000 min

Lab File: VU055335.D

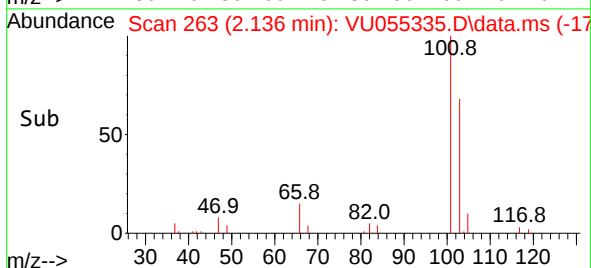
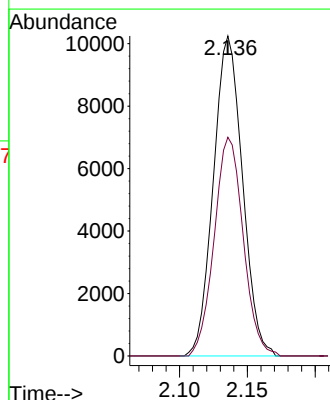
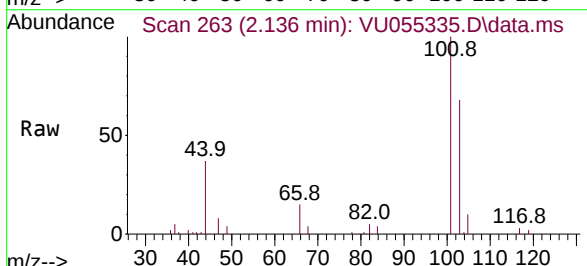
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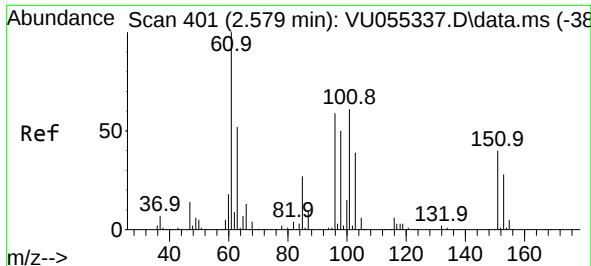
Tgt Ion:101 Resp: 15285

Ion Ratio Lower Upper

101 100

103 68.1 51.8 77.8

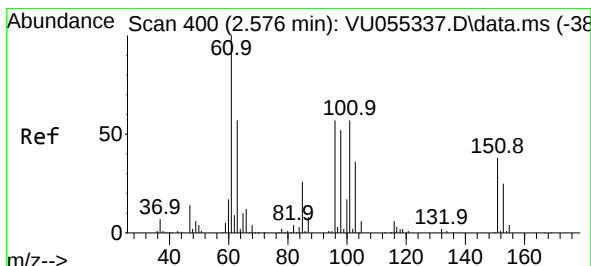
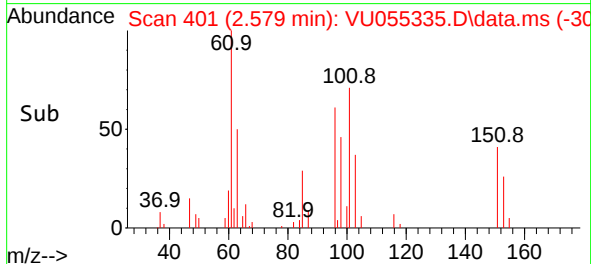
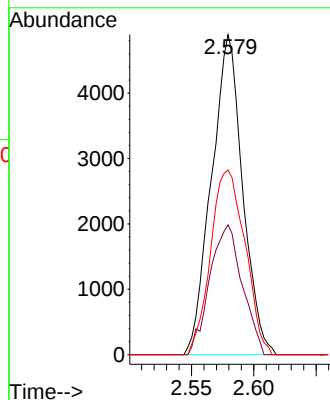
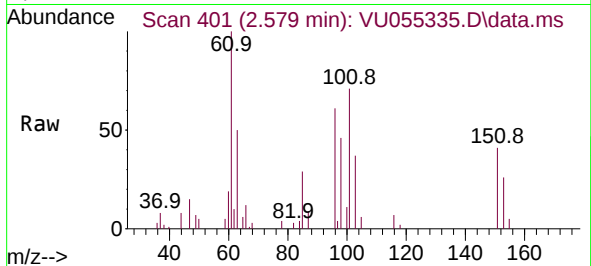




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.629 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU055335.D
 Acq: 15 Sep 2023 12:51

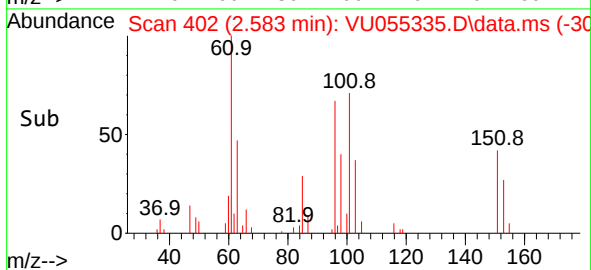
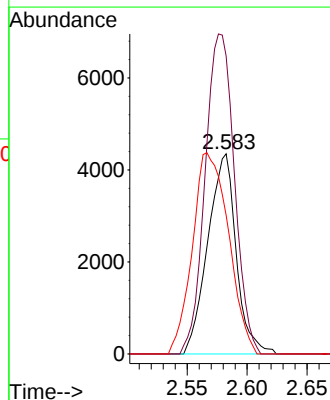
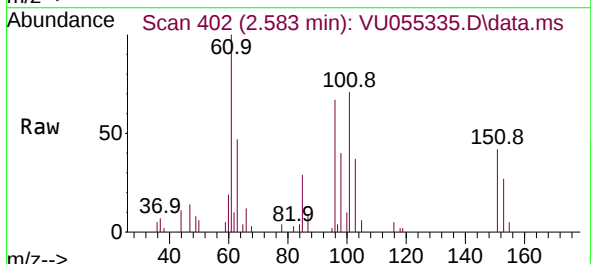
Instrument :
 MSVOA_U
 ClientSampleId :

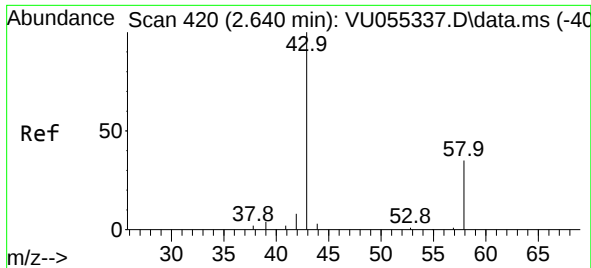
Tgt Ion:101 Resp: 8507
 Ion Ratio Lower Upper
 101 100
 85 42.2 36.5 54.7
 151 63.9 53.8 80.8



#12
 1,1-Dichloroethene
 Concen: 0.592 ug/L
 RT: 2.583 min Scan# 402
 Delta R.T. 0.006 min
 Lab File: VU055335.D
 Acq: 15 Sep 2023 12:51

Tgt Ion: 96 Resp: 7162
 Ion Ratio Lower Upper
 96 100
 61 149.0 122.8 228.0
 63 69.4 71.7 133.3#





#13

Acetone

Concen: 4.639 ug/L

RT: 2.644 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

Instrument :

MSVOA_U

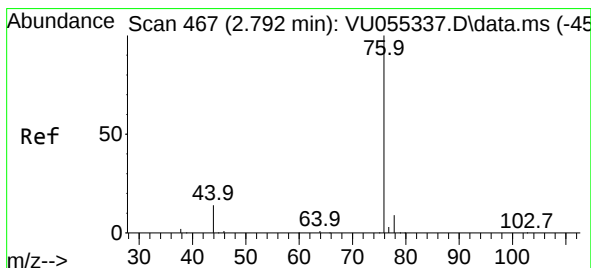
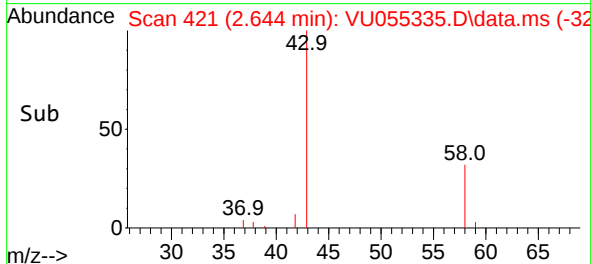
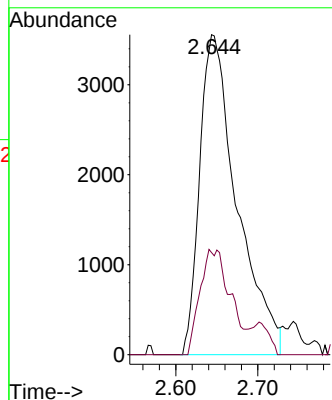
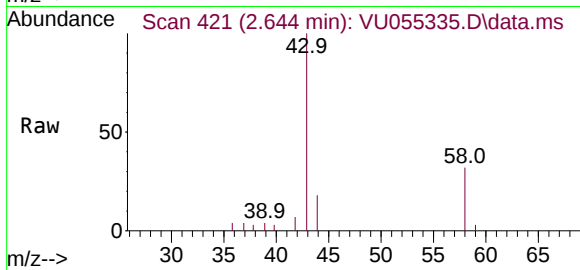
ClientSampleId :

Tgt Ion: 43 Resp: 11236

Ion Ratio Lower Upper

43 100

58 26.7 0.0 68.4



#14

Carbon disulfide

Concen: 0.680 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU055335.D

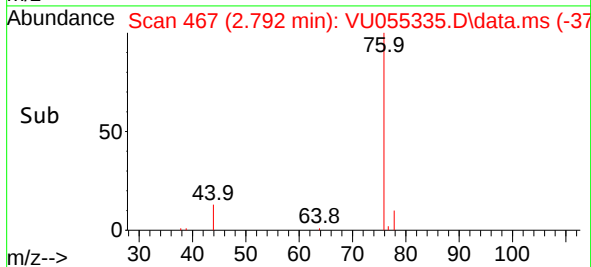
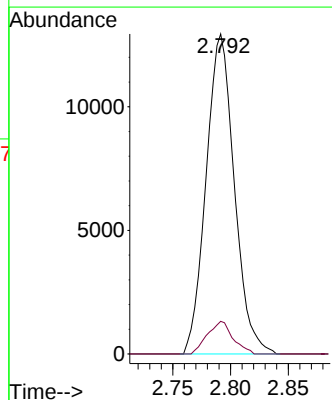
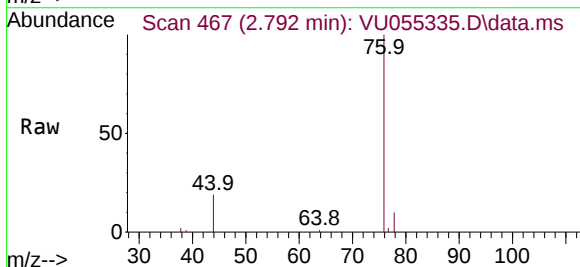
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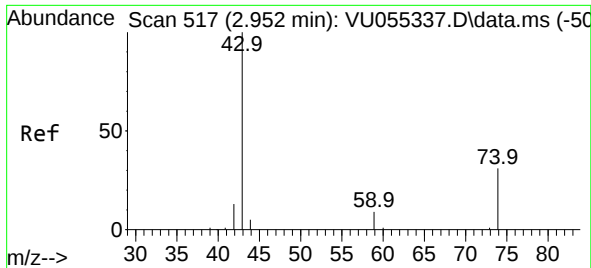
Tgt Ion: 76 Resp: 22013

Ion Ratio Lower Upper

76 100

78 10.2 7.4 11.2

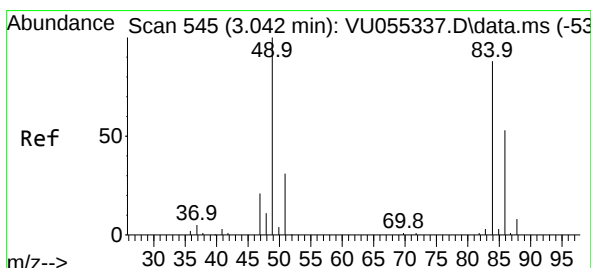
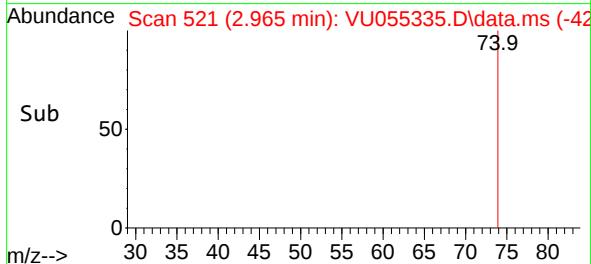
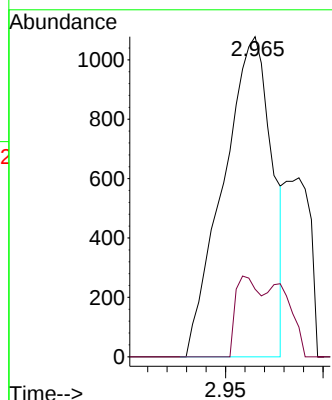
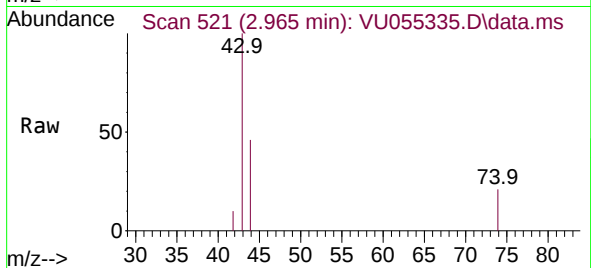




#15
Methyl Acetate
Concen: 0.418 ug/L
RT: 2.965 min Scan# 517
Delta R.T. 0.013 min
Lab File: VU055335.D
Acq: 15 Sep 2023 12:51

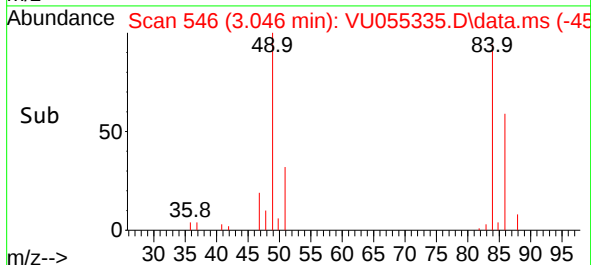
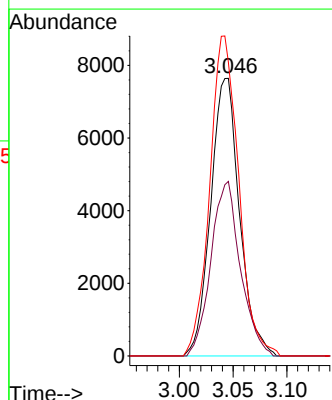
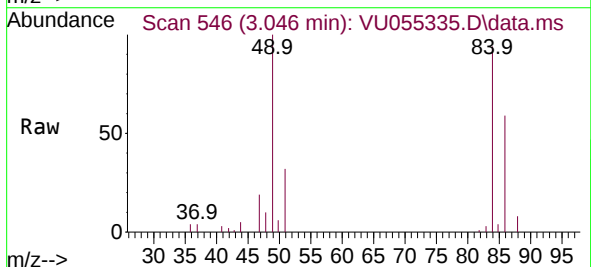
Instrument :
MSVOA_U
ClientSampleId :

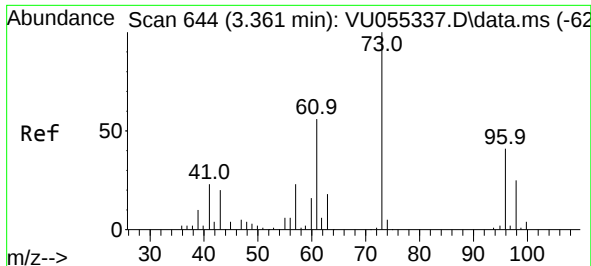
Tgt Ion: 43 Resp: 1872
Ion Ratio Lower Upper
43 100
74 12.3 23.9 35.9#



#16
Methylene chloride
Concen: 0.878 ug/L
RT: 3.046 min Scan# 546
Delta R.T. 0.003 min
Lab File: VU055335.D
Acq: 15 Sep 2023 12:51

Tgt Ion: 84 Resp: 14257
Ion Ratio Lower Upper
84 100
86 62.9 42.4 78.8
49 111.9 79.9 148.3

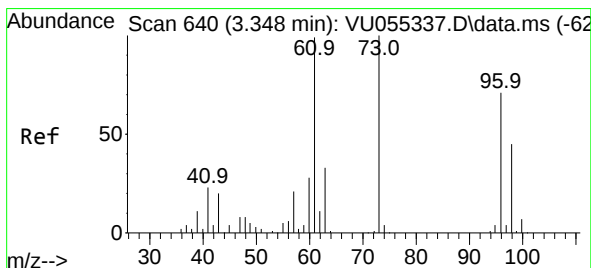
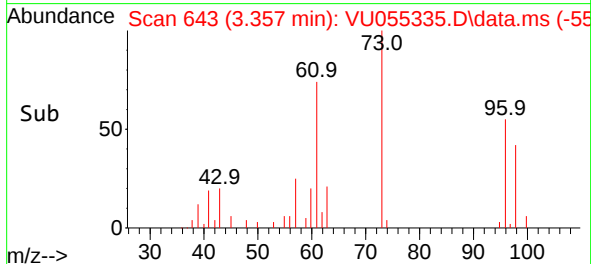
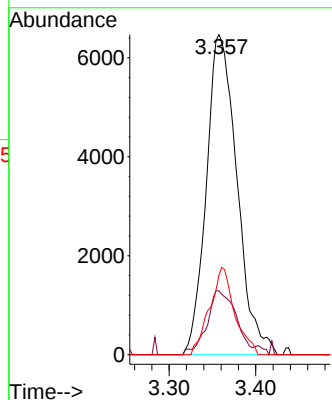
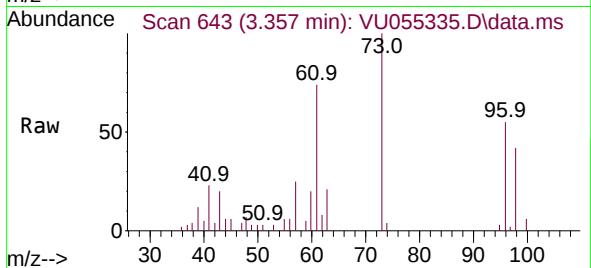




#17
Methyl tert-butyl Ether
Concen: 0.528 ug/L
RT: 3.357 min Scan# 64
Delta R.T. -0.003 min
Lab File: VU055335.D
Acq: 15 Sep 2023 12:51

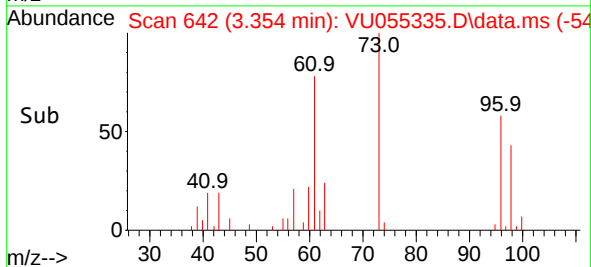
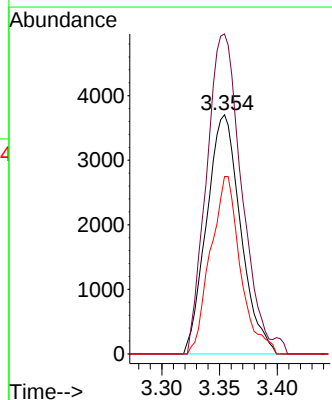
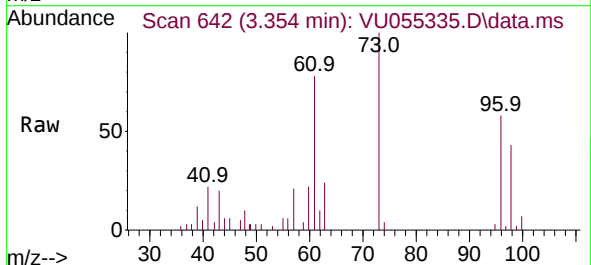
Instrument :
MSVOA_U
ClientSampleId :

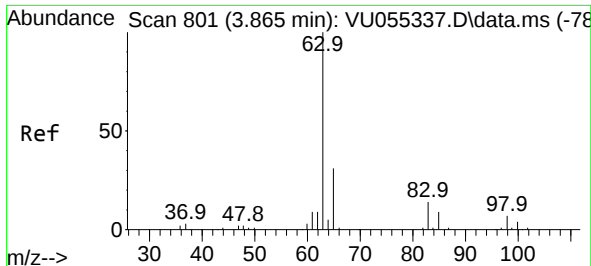
Tgt Ion: 73 Resp: 15908
Ion Ratio Lower Upper
73 100
43 18.9 16.0 24.0
57 22.2 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 0.604 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.006 min
Lab File: VU055335.D
Acq: 15 Sep 2023 12:51

Tgt Ion: 96 Resp: 7581
Ion Ratio Lower Upper
96 100
61 133.8 97.4 181.0
98 74.2 44.6 82.8





#19

1,1-Dichloroethane

Concen: 0.608 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU055335.D

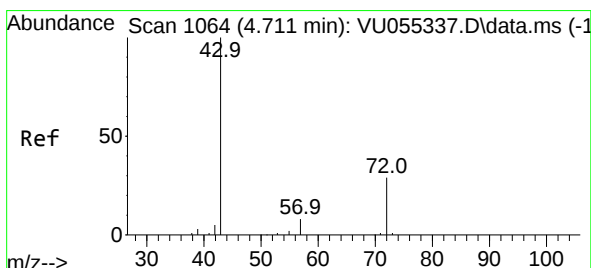
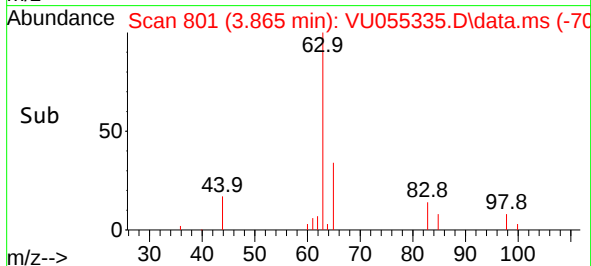
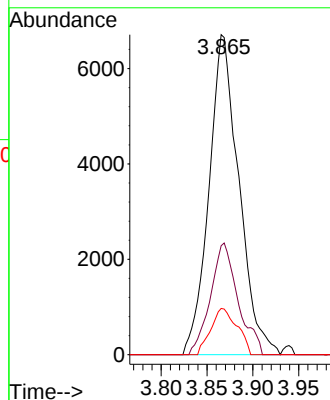
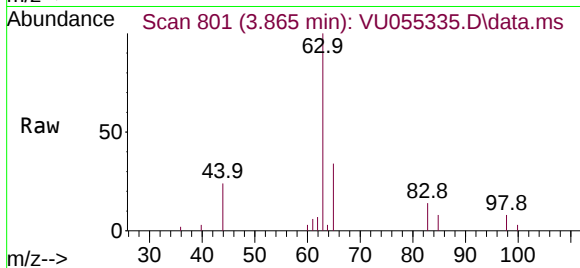
Acq: 15 Sep 2023 12:51

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	15239
Ion Ratio	Lower	Upper	
63	100		
65	33.0	21.8	40.6
83	14.0	9.7	17.9



#21

2-Butanone

Concen: 4.795 ug/L

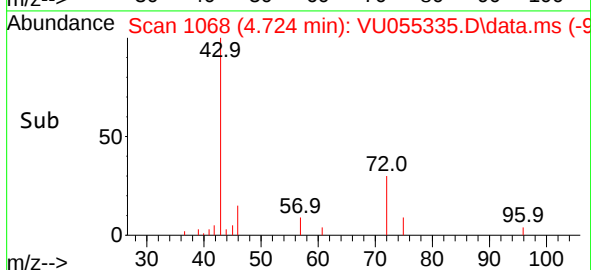
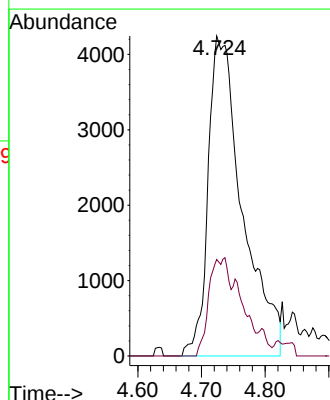
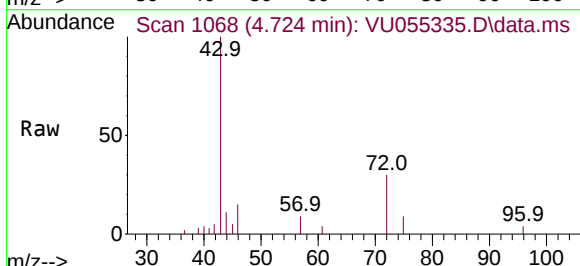
RT: 4.724 min Scan# 1068

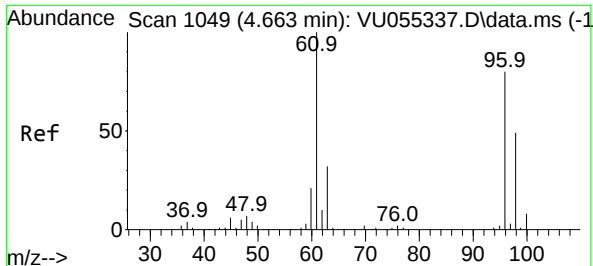
Delta R.T. 0.013 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

Tgt Ion:	43	Resp:	15903
Ion Ratio	Lower	Upper	
43	100		
72	11.2	15.2	45.5#

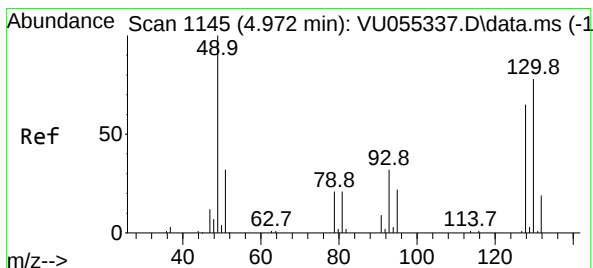
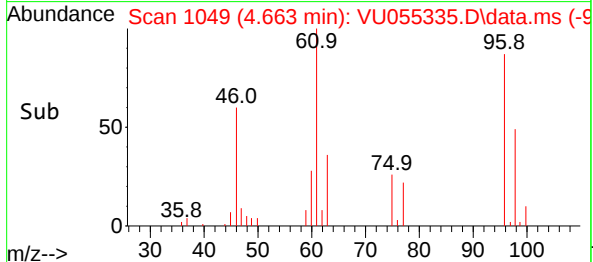
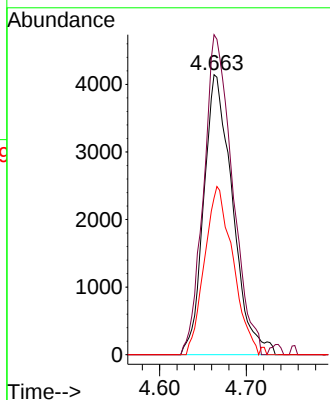
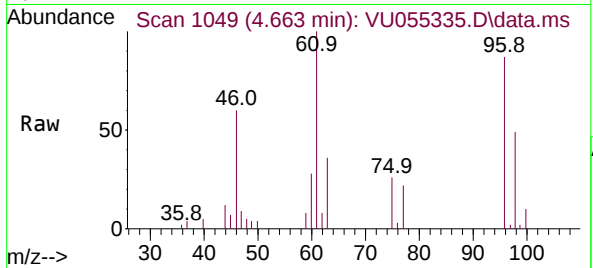




#22
 cis-1,2-Dichloroethene
 Concen: 0.655 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU055335.D
 Acq: 15 Sep 2023 12:51

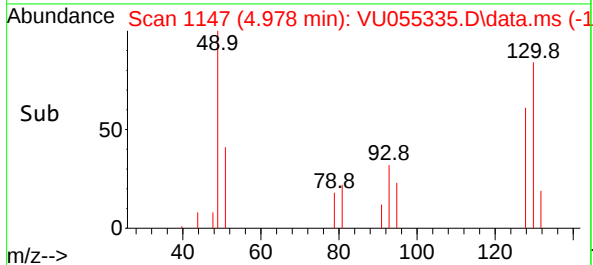
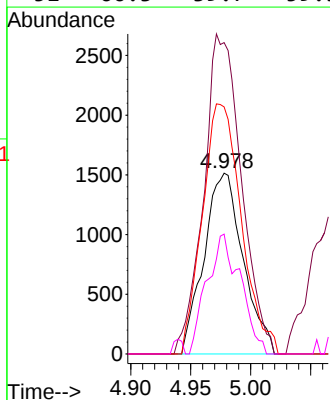
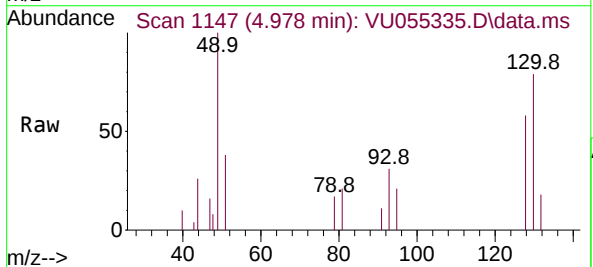
Instrument :
 MSVOA_U
 ClientSampleId :

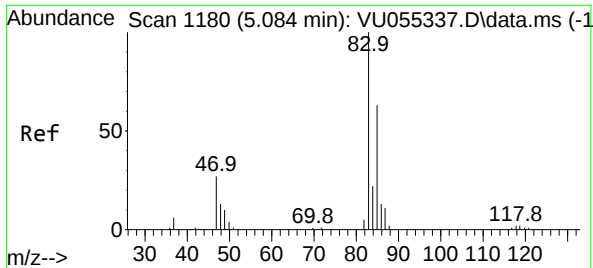
Tgt Ion: 96 Resp: 9579
 Ion Ratio Lower Upper
 96 100
 61 114.3 88.1 163.7
 98 58.6 43.5 80.7



#23
 Bromochloromethane
 Concen: 0.546 ug/L
 RT: 4.978 min Scan# 1147
 Delta R.T. 0.006 min
 Lab File: VU055335.D
 Acq: 15 Sep 2023 12:51

Tgt Ion: 128 Resp: 3434
 Ion Ratio Lower Upper
 128 100
 49 172.1 108.1 200.9
 130 136.6 84.3 156.5
 51 66.3 39.7 59.5#





#25

Chloroform

Concen: 0.614 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

Instrument :

MSVOA_U

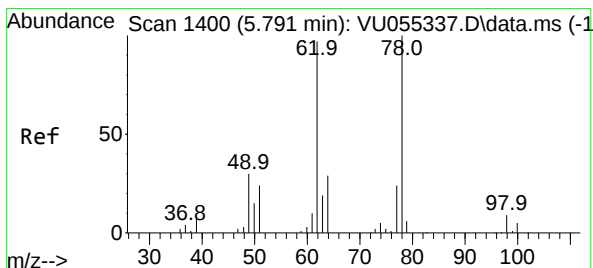
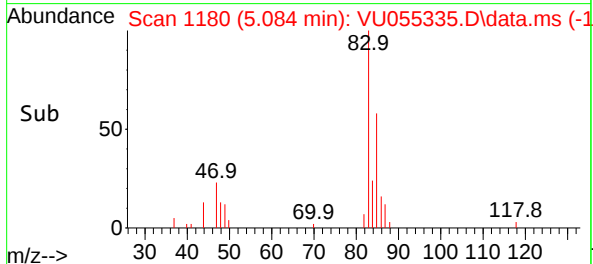
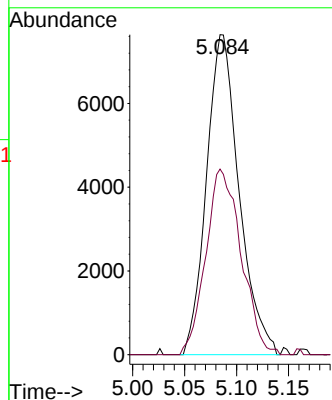
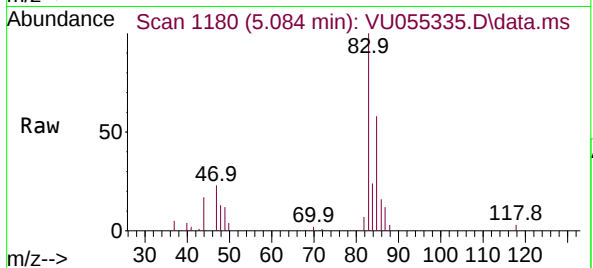
ClientSampleId :

Tgt Ion: 83 Resp: 16674

Ion Ratio Lower Upper

83 100

85 58.0 44.4 82.4



#27

1,2-Dichloroethane

Concen: 0.646 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.003 min

Lab File: VU055335.D

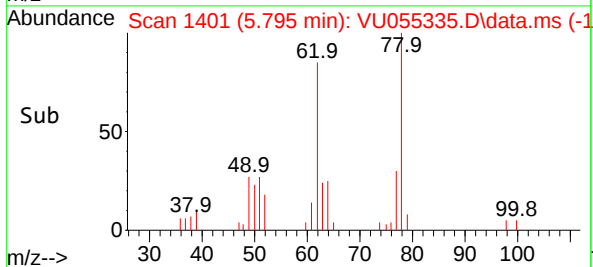
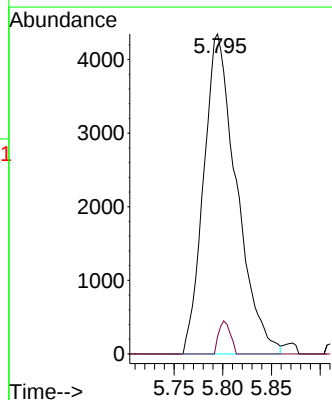
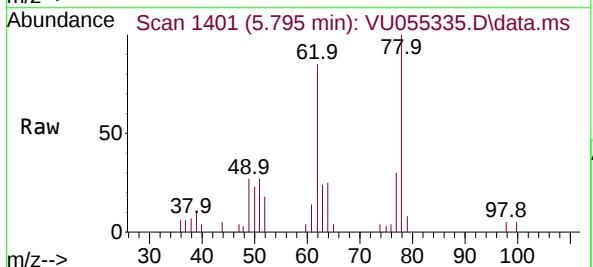
Acq: 15 Sep 2023 12:51

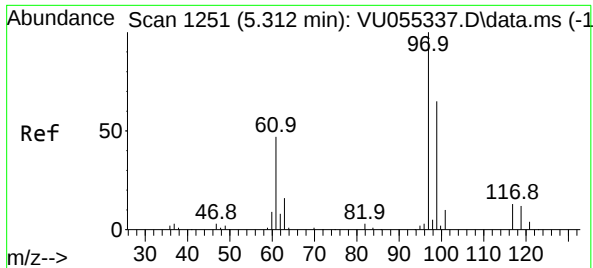
Tgt Ion: 62 Resp: 10202

Ion Ratio Lower Upper

62 100

98 5.4 7.1 10.7#





#29

1,1,1-Trichloroethane

Concen: 0.498 ug/L

RT: 5.316 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

Instrument :

MSVOA_U

ClientSampleId :

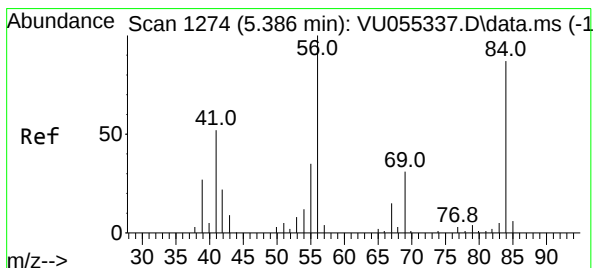
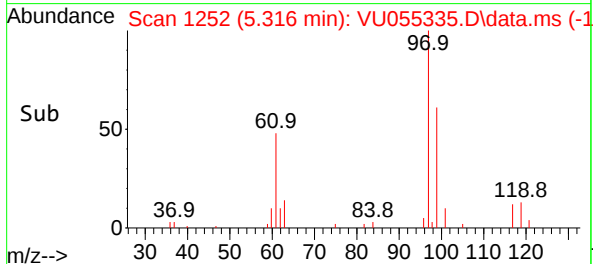
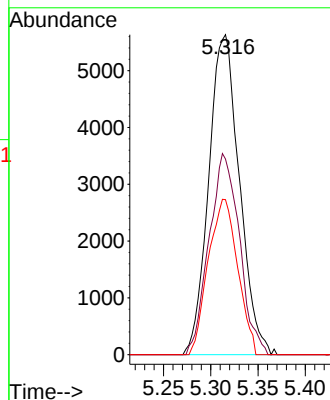
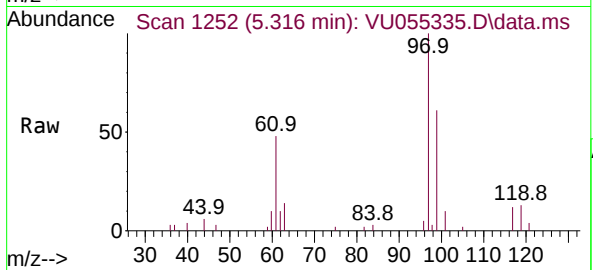
Tgt Ion: 97 Resp: 12743

Ion Ratio Lower Upper

97 100

99 62.1 51.2 76.8

61 46.4 37.6 56.4



#30

Cyclohexane

Concen: 0.563 ug/L

RT: 5.389 min Scan# 1275

Delta R.T. 0.003 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

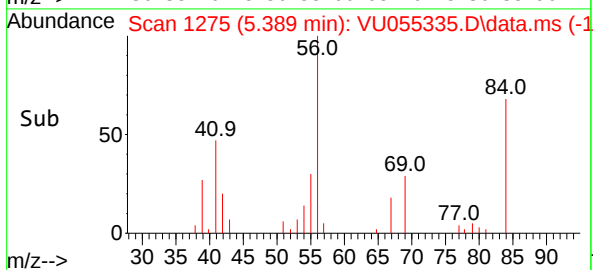
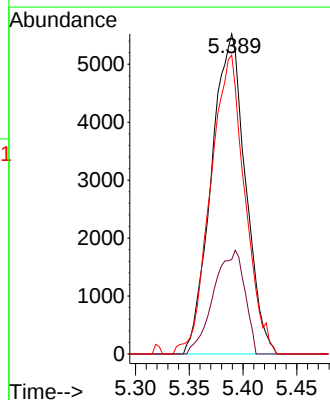
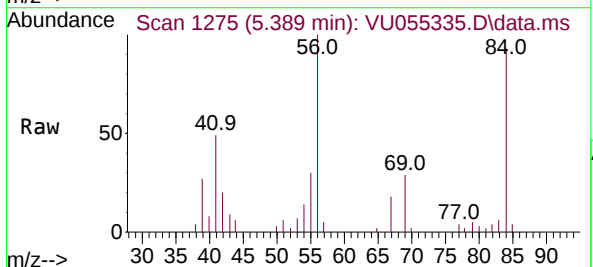
Tgt Ion: 56 Resp: 12152

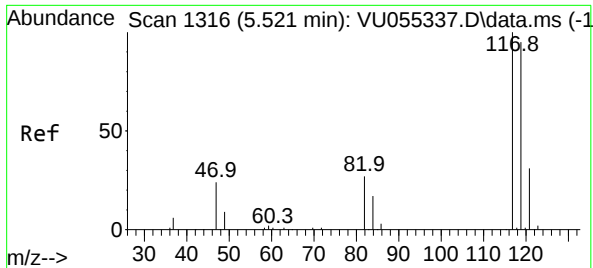
Ion Ratio Lower Upper

56 100

69 29.5 25.0 37.6

84 94.0 70.2 105.4

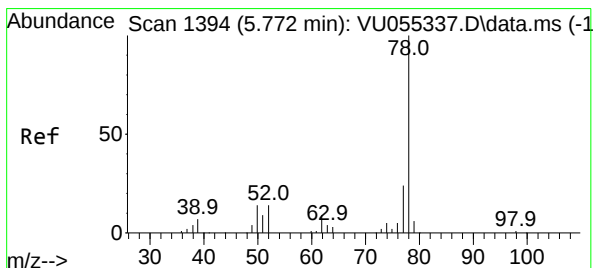
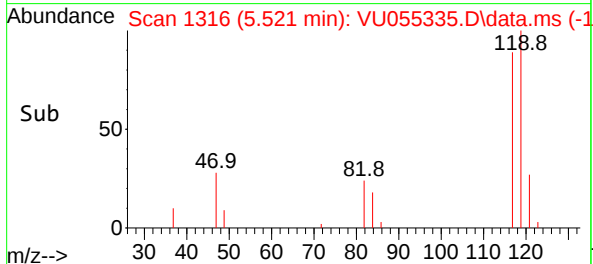
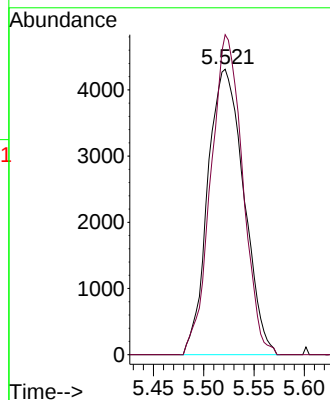
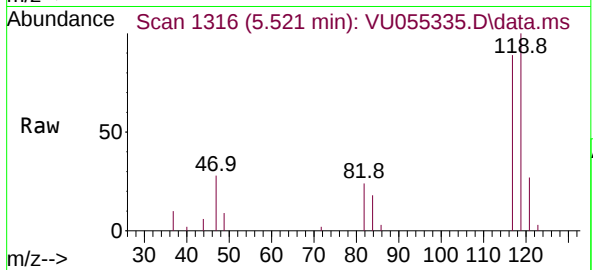




#31
Carbon tetrachloride
Concen: 0.491 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU055335.D
Acq: 15 Sep 2023 12:51

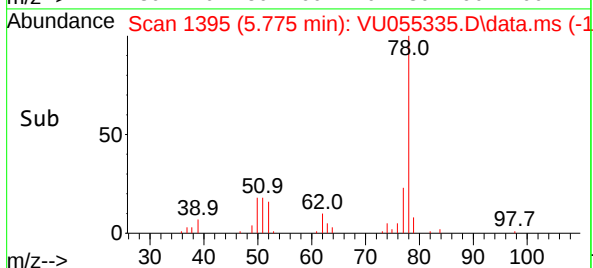
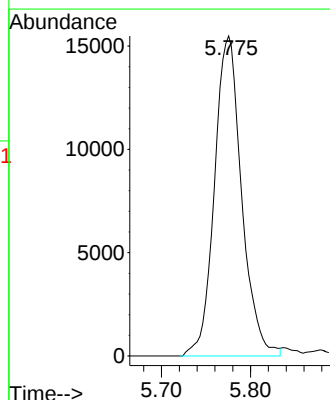
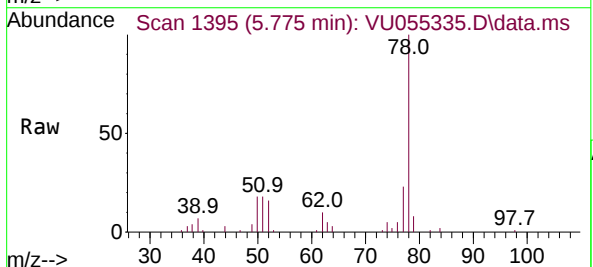
Instrument :
MSVOA_U
ClientSampleId :

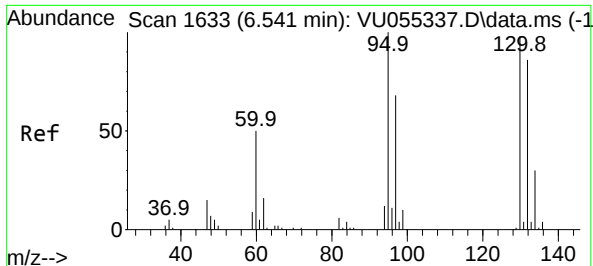
Tgt Ion:117 Resp: 10769
Ion Ratio Lower Upper
117 100
119 98.6 77.5 116.3



#33
Benzene
Concen: 0.552 ug/L
RT: 5.775 min Scan# 1395
Delta R.T. 0.003 min
Lab File: VU055335.D
Acq: 15 Sep 2023 12:51

Tgt Ion: 78 Resp: 32819





#34

Trichloroethene

Concen: 0.648 ug/L

RT: 6.544 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 10457

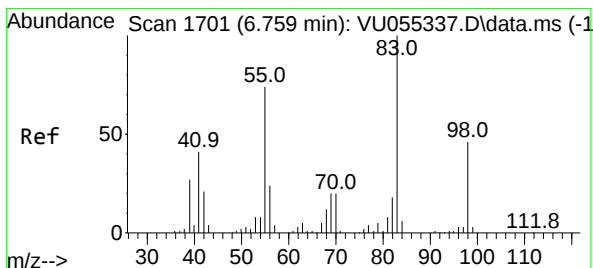
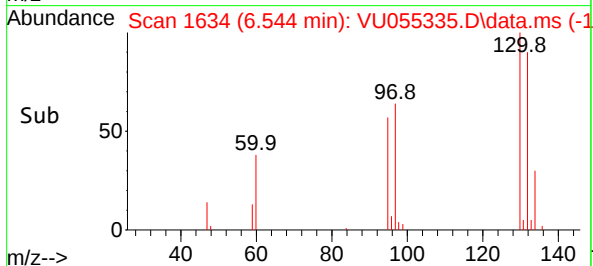
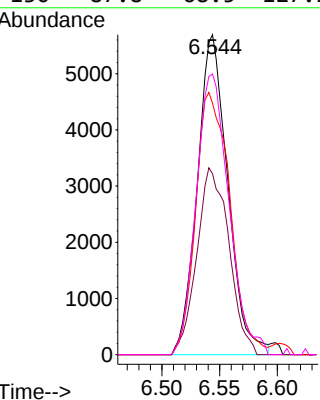
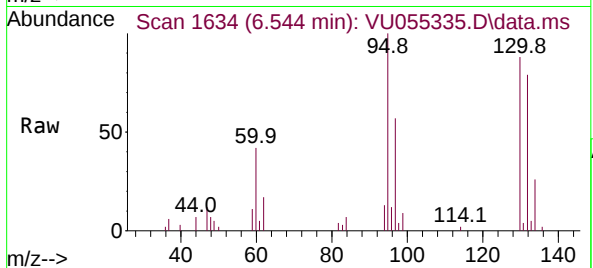
Ion Ratio Lower Upper

95 100

97 56.6 47.4 88.0

132 78.6 60.5 112.3

130 87.8 68.5 127.1



#35

Methylcyclohexane

Concen: 0.562 ug/L

RT: 6.762 min Scan# 1702

Delta R.T. 0.003 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

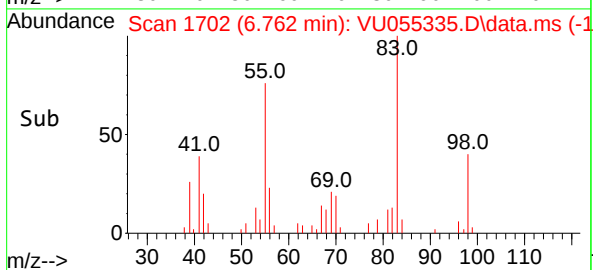
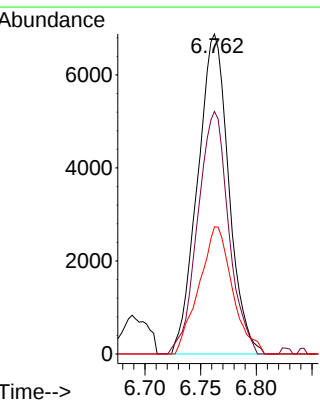
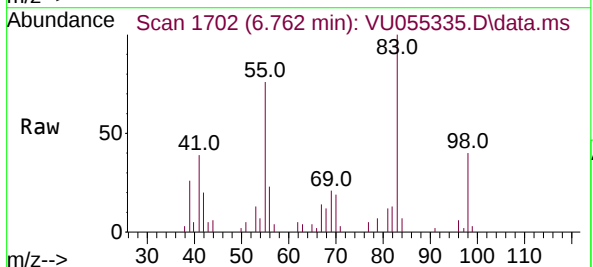
Tgt Ion: 83 Resp: 13392

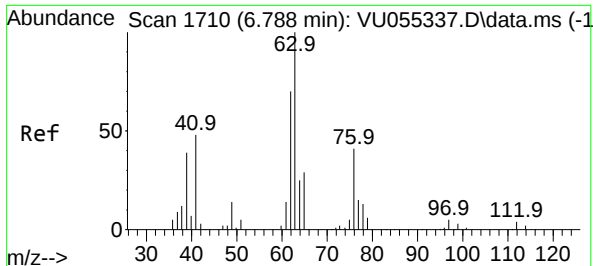
Ion Ratio Lower Upper

83 100

55 75.2 58.7 88.1

98 42.5 36.3 54.5





#37

1,2-Dichloropropane

Concen: 0.551 ug/L

RT: 6.788 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

Instrument :

MSVOA_U

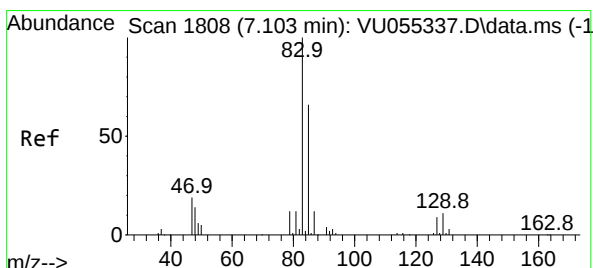
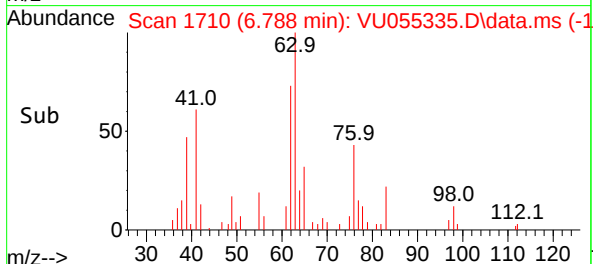
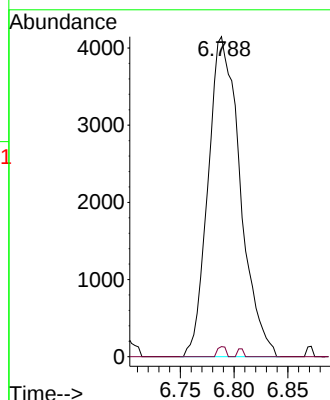
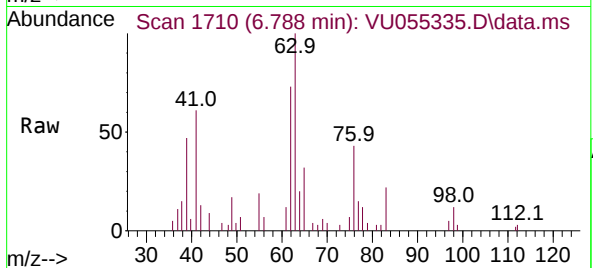
ClientSampleId :

Tgt Ion: 63 Resp: 8612

Ion Ratio Lower Upper

63 100

112 0.8 3.0 4.4#



#38

Bromodichloromethane

Concen: 0.551 ug/L

RT: 7.106 min Scan# 1809

Delta R.T. 0.003 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

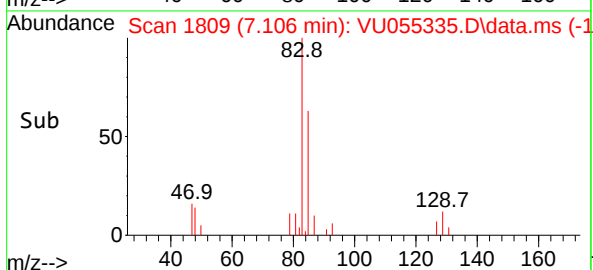
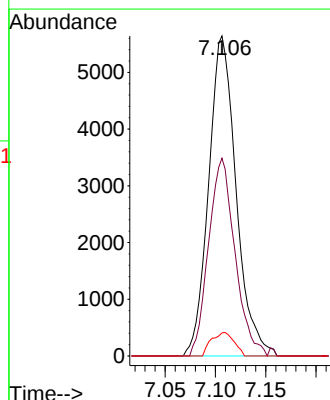
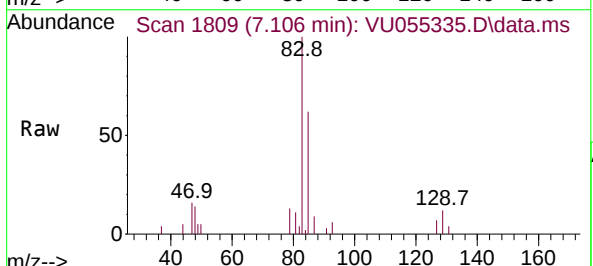
Tgt Ion: 83 Resp: 10732

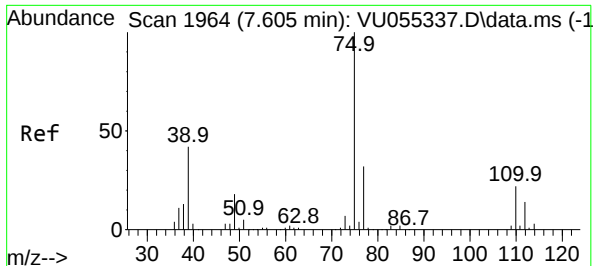
Ion Ratio Lower Upper

83 100

85 61.8 46.3 85.9

127 7.2 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 0.490 ug/L

RT: 7.608 min Scan# 1964

Delta R.T. 0.003 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

Instrument :

MSVOA_U

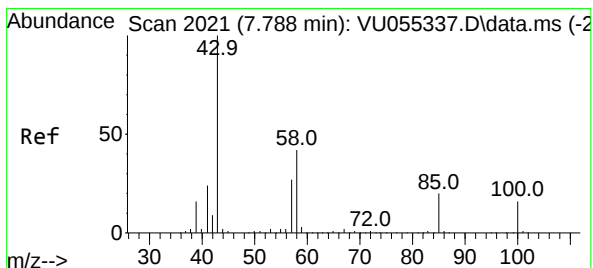
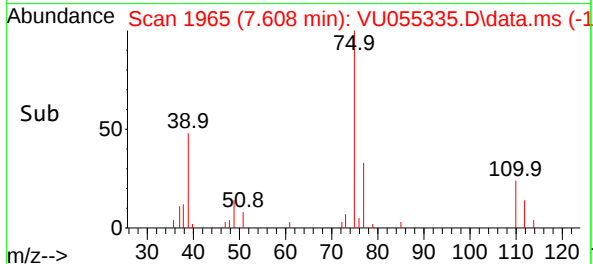
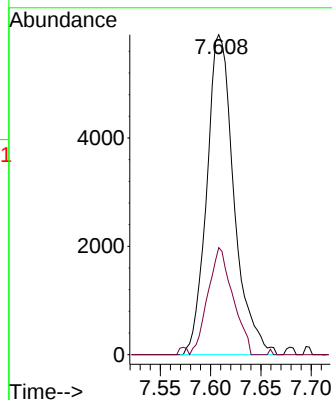
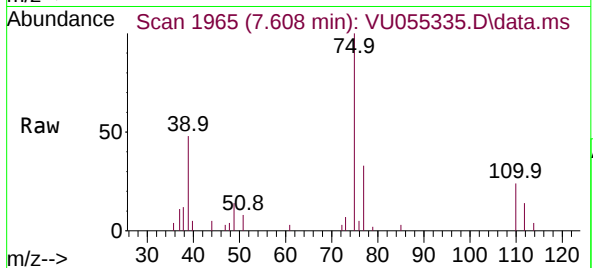
ClientSampleId :

Tgt Ion: 75 Resp: 11135

Ion Ratio Lower Upper

75 100

77 33.5 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 5.177 ug/L

RT: 7.791 min Scan# 2022

Delta R.T. 0.003 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

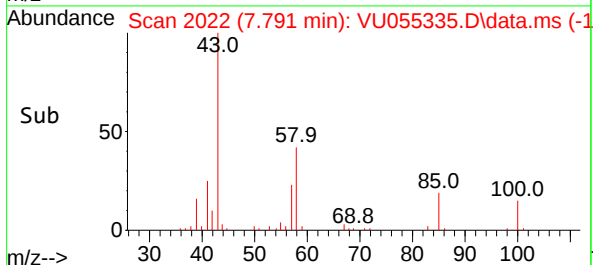
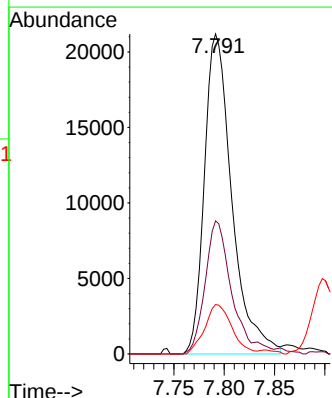
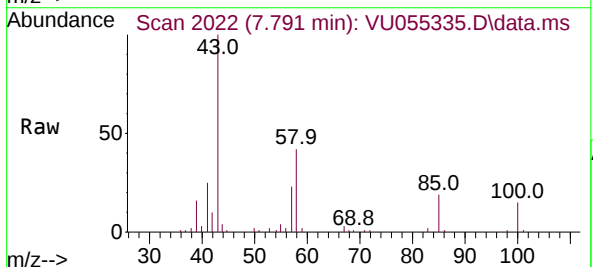
Tgt Ion: 43 Resp: 40236

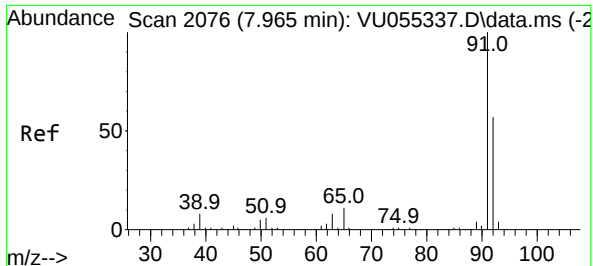
Ion Ratio Lower Upper

43 100

58 40.3 32.9 49.3

100 15.3 12.9 19.3

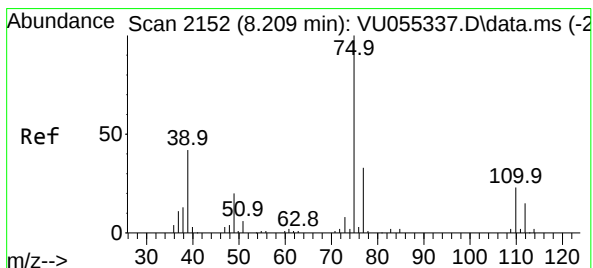
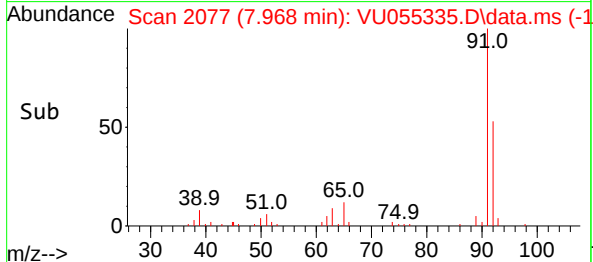
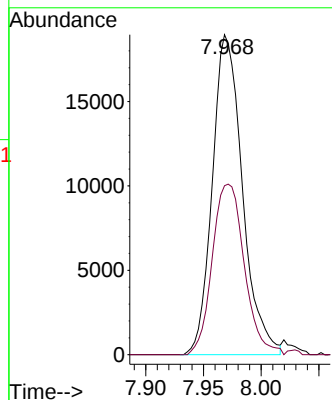
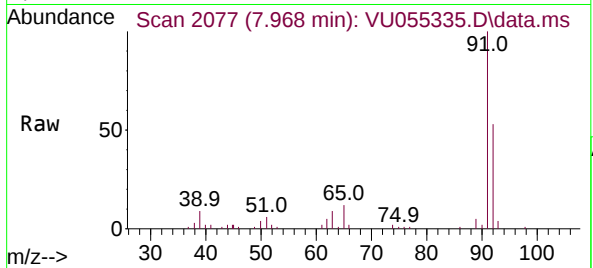




#42
Toluene
Concen: 0.540 ug/L
RT: 7.968 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU055335.D
Acq: 15 Sep 2023 12:51

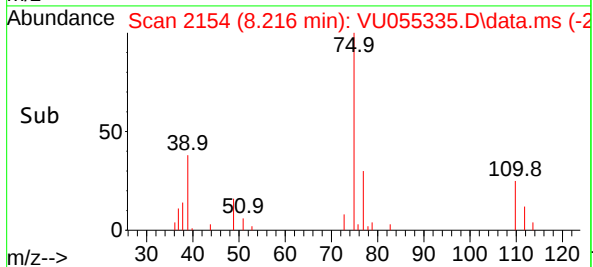
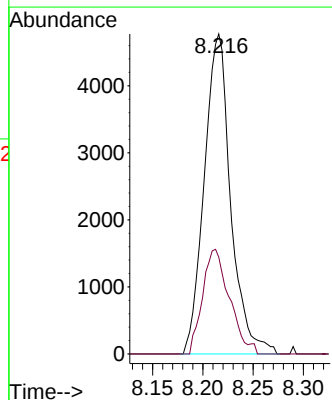
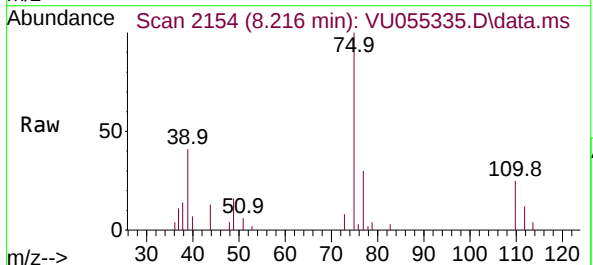
Instrument :
MSVOA_U
ClientSampleId :

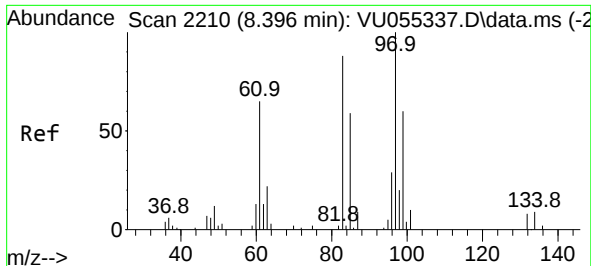
Tgt Ion: 91 Resp: 34350
Ion Ratio Lower Upper
91 100
92 52.8 39.5 73.4



#44
trans-1,3-Dichloropropene
Concen: 0.474 ug/L
RT: 8.216 min Scan# 2154
Delta R.T. 0.006 min
Lab File: VU055335.D
Acq: 15 Sep 2023 12:51

Tgt Ion: 75 Resp: 8730
Ion Ratio Lower Upper
75 100
77 30.3 23.2 43.0

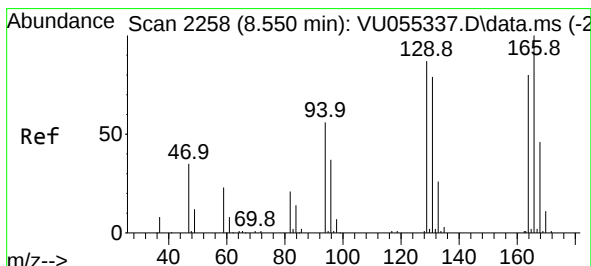
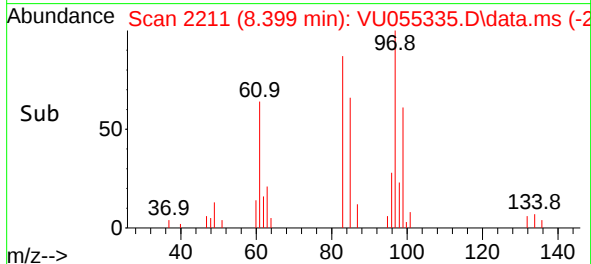
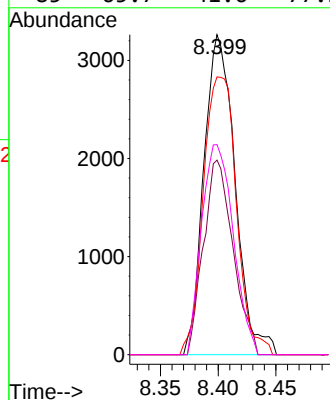
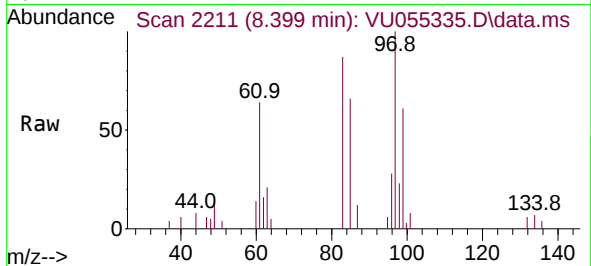




#45
1,1,2-Trichloroethane
Concen: 0.554 ug/L
RT: 8.399 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VU055335.D
Acq: 15 Sep 2023 12:51

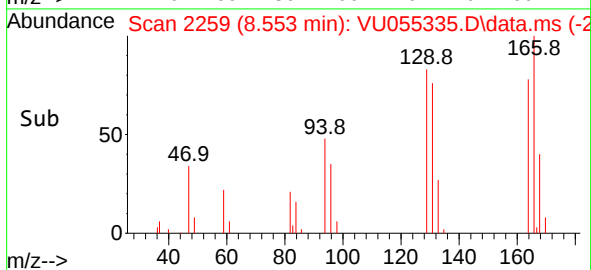
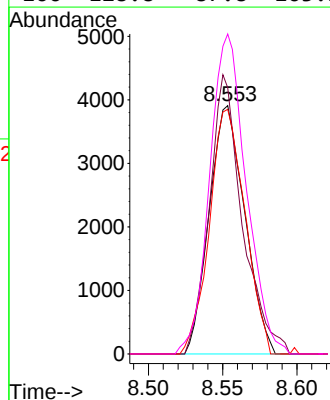
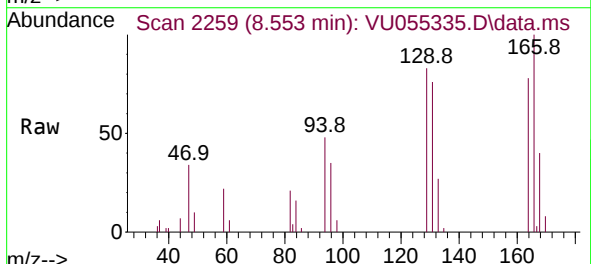
Instrument :
MSVOA_U
ClientSampleId :

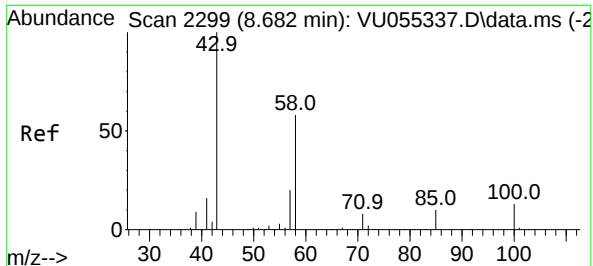
Tgt Ion:	97	Resp:	6119
Ion	Ratio	Lower	Upper
97	100		
99	60.8	42.4	78.6
83	86.8	61.3	113.9
85	65.7	41.6	77.2



#47
Tetrachloroethene
Concen: 0.515 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VU055335.D
Acq: 15 Sep 2023 12:51

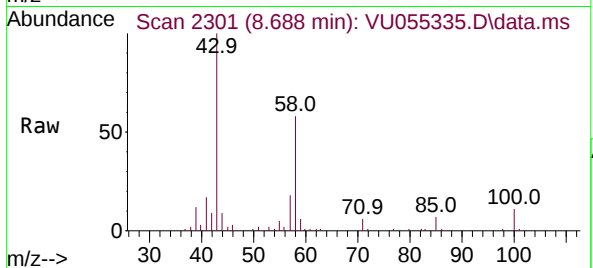
Tgt Ion:	164	Resp:	6525
Ion	Ratio	Lower	Upper
164	100		
129	107.2	76.3	141.7
131	98.5	69.1	128.3
166	128.8	87.8	163.2



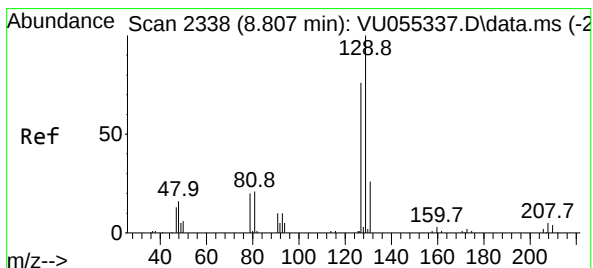
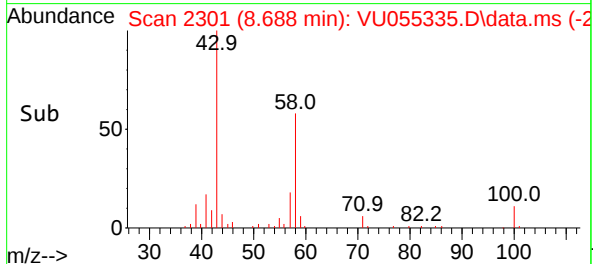
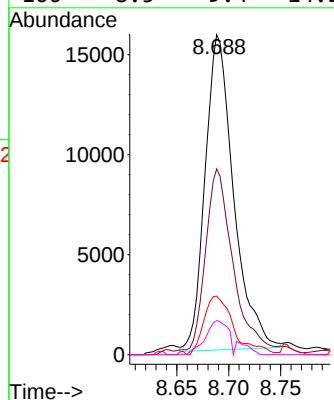


#48
2-Hexanone
Concen: 5.079 ug/L
RT: 8.688 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU055335.D
Acq: 15 Sep 2023 12:51

Instrument :
MSVOA_U
ClientSampleId :

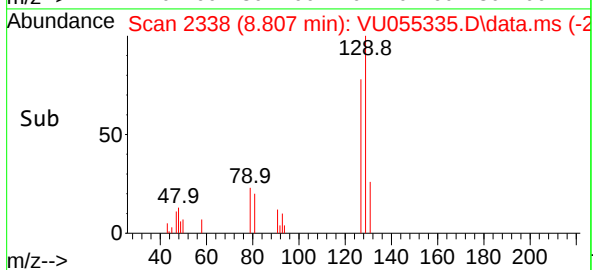
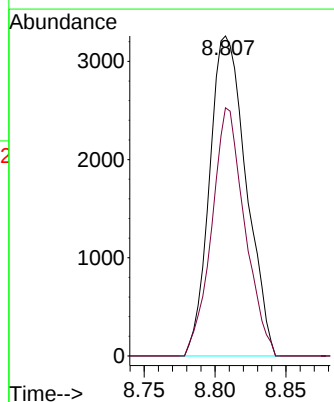
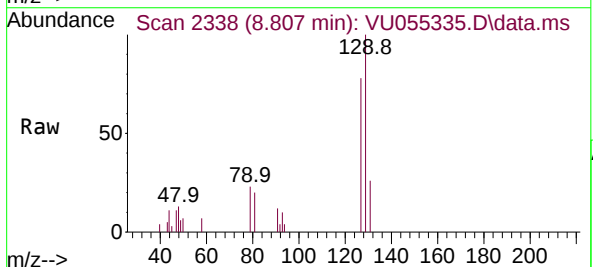


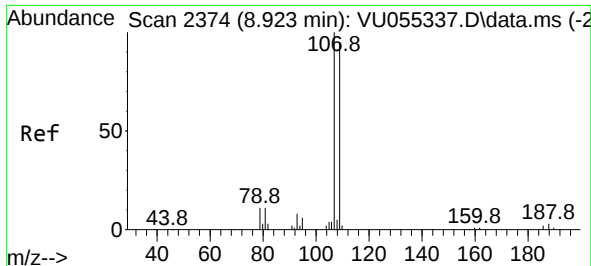
Tgt Ion:	43	Resp:	30131
Ion	Ratio	Lower	Upper
43	100		
58	54.7	47.8	71.6
57	19.6	15.4	23.2
100	8.5	9.4	14.2



#49
Dibromochloromethane
Concen: 0.481 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. -0.000 min
Lab File: VU055335.D
Acq: 15 Sep 2023 12:51

Tgt Ion:	129	Resp:	5872
Ion	Ratio	Lower	Upper
129	100		
127	77.6	53.4	99.2





#50

1,2-Dibromoethane

Concen: 0.517 ug/L

RT: 8.926 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU055335.D

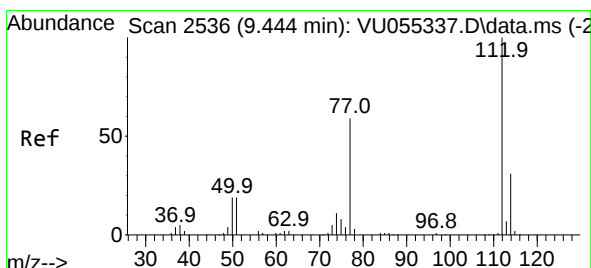
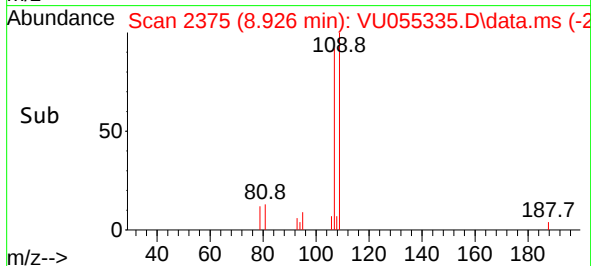
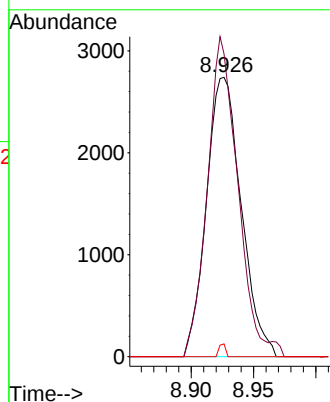
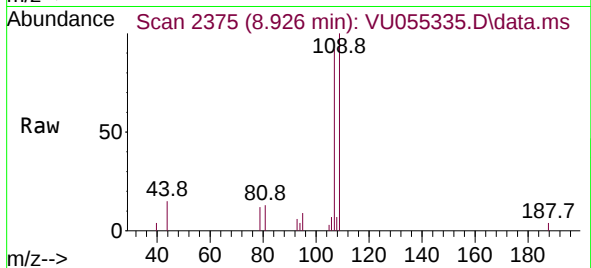
Acq: 15 Sep 2023 12:51

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:107	Resp:	5321
Ion	Ratio	Lower Upper
107	100	
109	108.4	66.6 123.8
188	4.6	2.1 3.1#



#51

Chlorobenzene

Concen: 0.570 ug/L

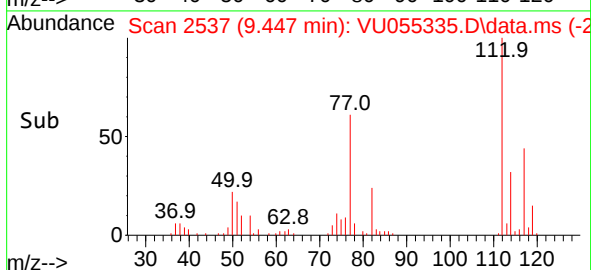
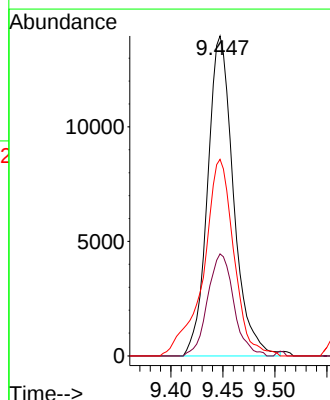
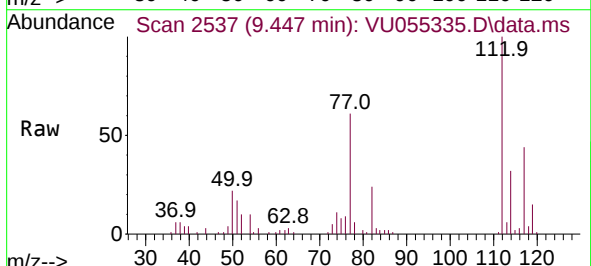
RT: 9.447 min Scan# 2537

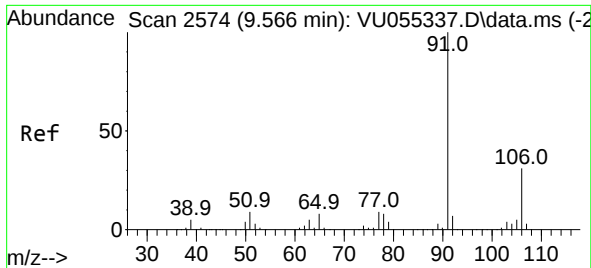
Delta R.T. 0.003 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

Tgt Ion:112	Resp:	24193
Ion	Ratio	Lower Upper
112	100	
114	31.9	21.8 40.6
77	61.5	47.4 71.0

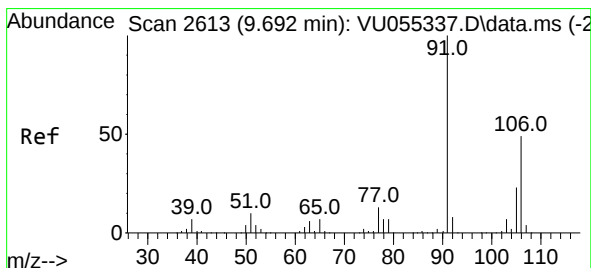
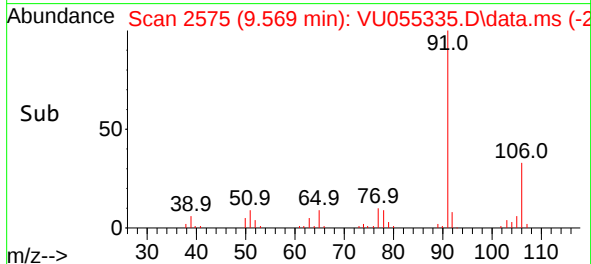
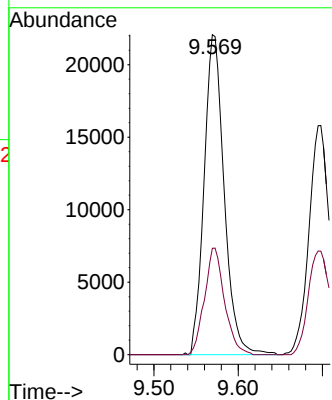
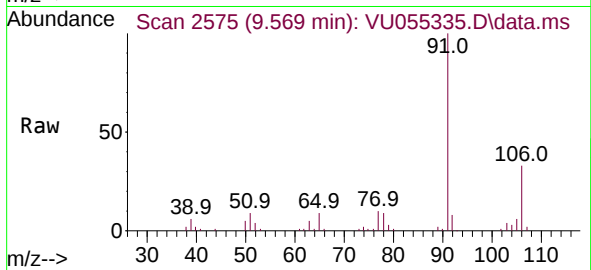




#52
Ethylbenzene
Concen: 0.518 ug/L
RT: 9.569 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055335.D
Acq: 15 Sep 2023 12:51

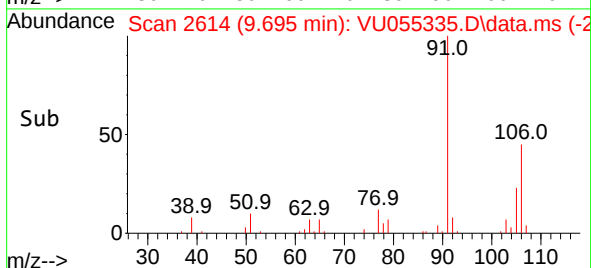
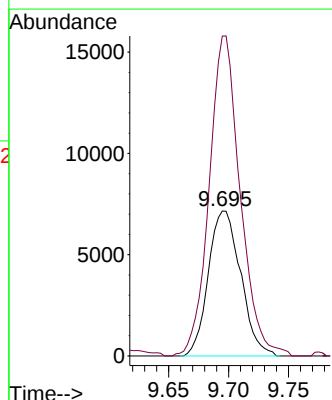
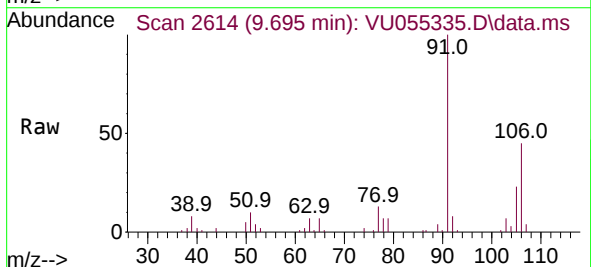
Instrument :
MSVOA_U
ClientSampleId :

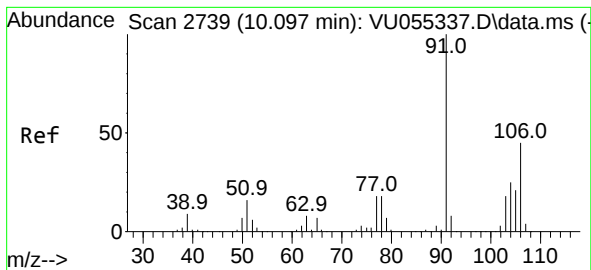
Tgt Ion: 91 Resp: 36619
Ion Ratio Lower Upper
91 100
106 33.2 21.5 39.9



#53
m,p-Xylene
Concen: 0.500 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.003 min
Lab File: VU055335.D
Acq: 15 Sep 2023 12:51

Tgt Ion:106 Resp: 13417
Ion Ratio Lower Upper
106 100
91 220.8 143.3 266.1





#54

o-Xylene

Concen: 0.471 ug/L

RT: 10.100 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

Instrument :

MSVOA_U

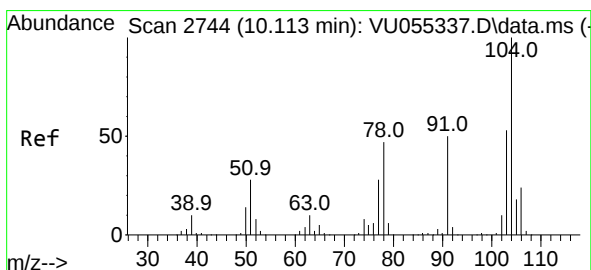
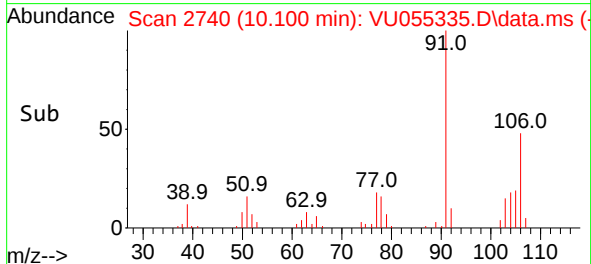
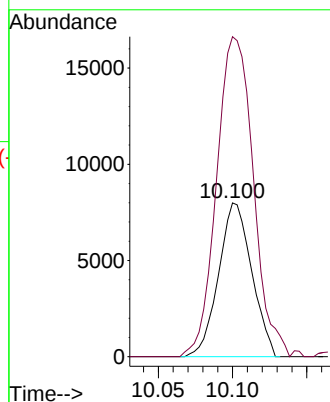
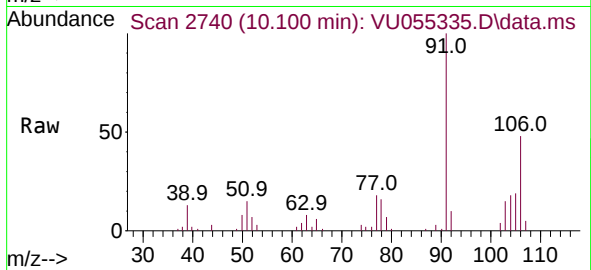
ClientSampleId :

Tgt Ion:106 Resp: 12404

Ion Ratio Lower Upper

106 100

91 208.1 155.6 289.0



#55

Styrene

Concen: 0.478 ug/L

RT: 10.116 min Scan# 2745

Delta R.T. 0.003 min

Lab File: VU055335.D

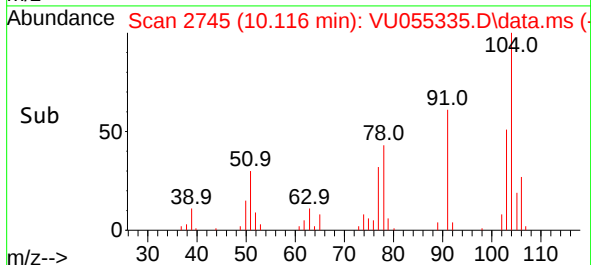
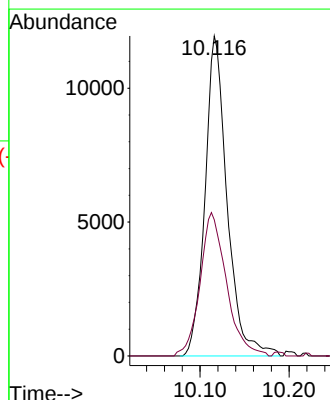
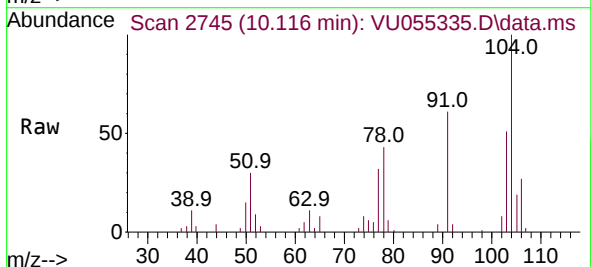
Acq: 15 Sep 2023 12:51

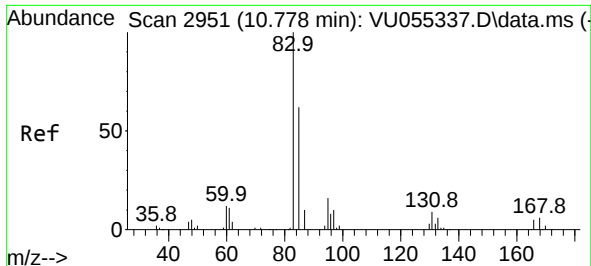
Tgt Ion:104 Resp: 20597

Ion Ratio Lower Upper

104 100

78 42.6 32.9 61.1





#57

1,1,2,2-Tetrachloroethane

Concen: 0.509 ug/L

RT: 10.785 min Scan# 2951

Delta R.T. 0.006 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

Instrument :

MSVOA_U

ClientSampleId :

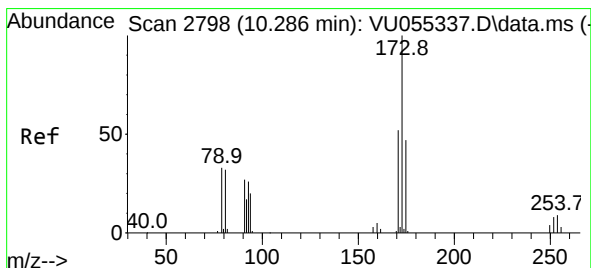
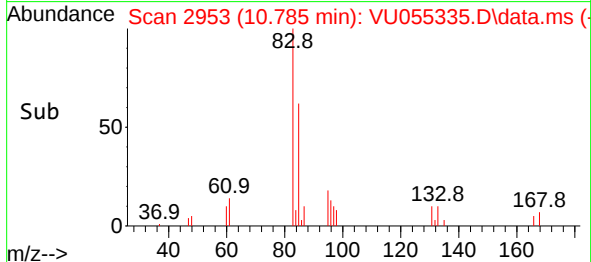
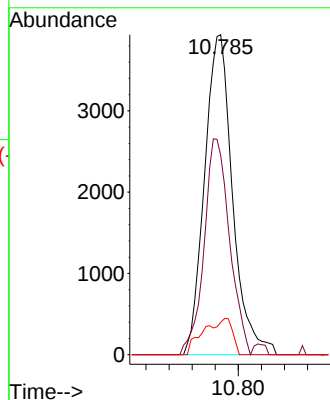
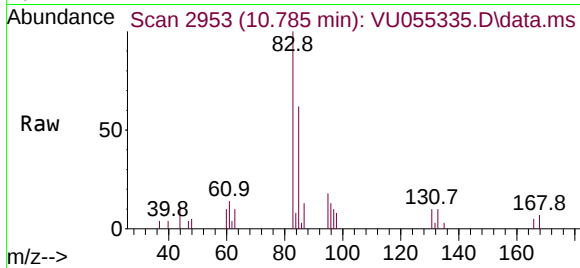
Tgt Ion: 83 Resp: 6637

Ion Ratio Lower Upper

83 100

85 62.3 43.3 80.5

131 10.1 7.2 10.8



#59

Bromoform

Concen: 0.449 ug/L

RT: 10.293 min Scan# 2800

Delta R.T. 0.006 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

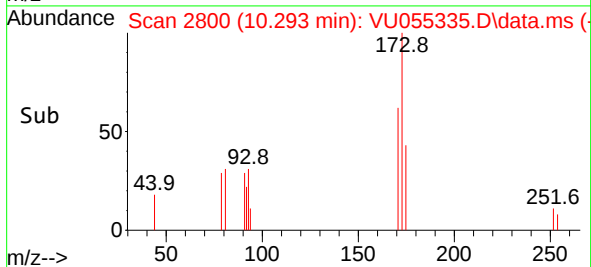
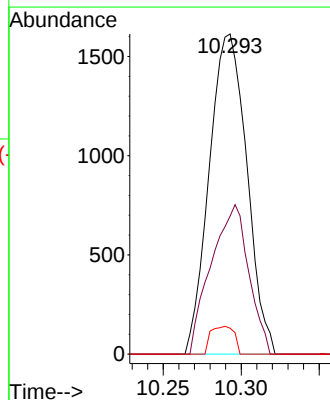
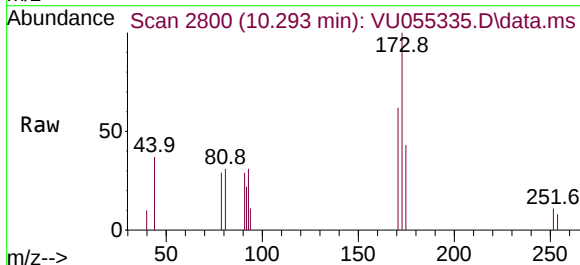
Tgt Ion: 173 Resp: 2705

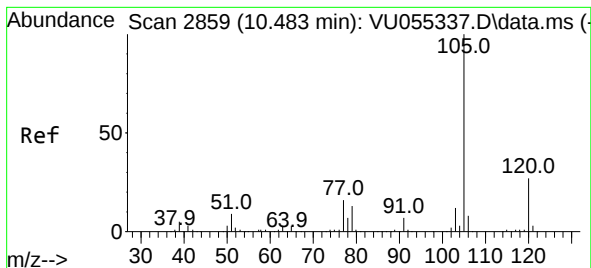
Ion Ratio Lower Upper

173 100

175 46.7 38.1 57.1

254 5.4 6.8 10.2#





#60

Isopropylbenzene

Concen: 0.583 ug/L

RT: 10.486 min Scan# 2859

Delta R.T. 0.003 min

Lab File: VU055335.D

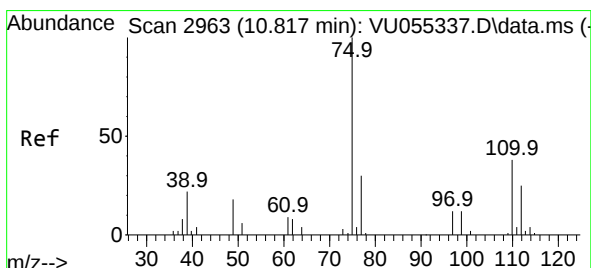
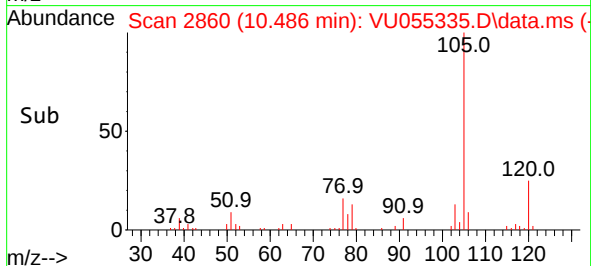
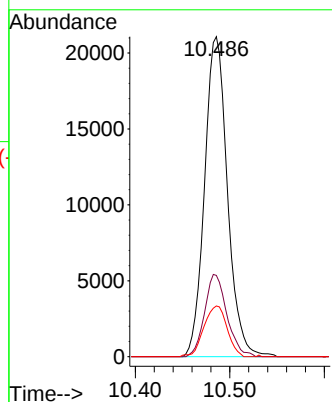
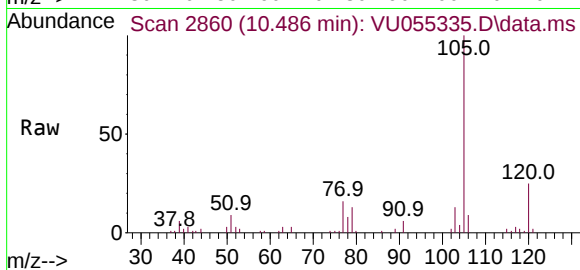
Acq: 15 Sep 2023 12:51

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	35447
Ion Ratio	Lower	Upper	
105	100		
120	25.0	21.0	31.4
77	16.1	13.1	19.7



#61

1,2,3-Trichloropropane

Concen: 0.672 ug/L

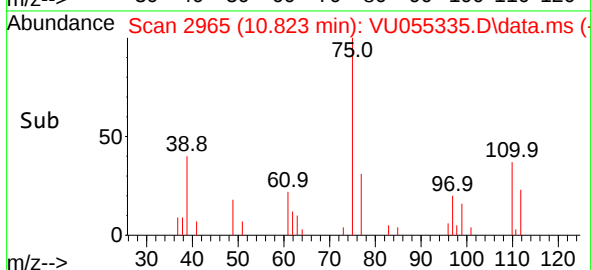
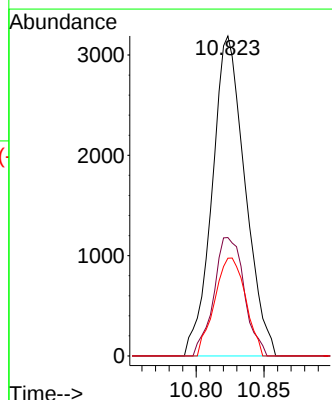
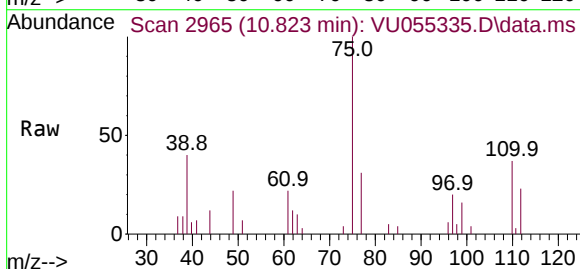
RT: 10.823 min Scan# 2965

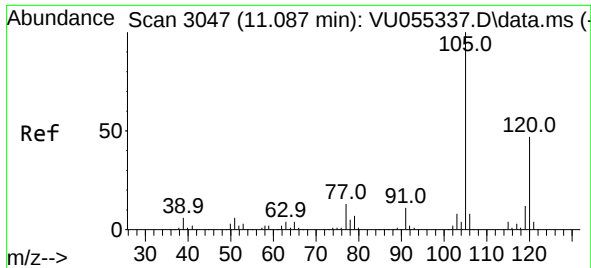
Delta R.T. 0.006 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

Tgt Ion:	75	Resp:	5369
Ion Ratio	Lower	Upper	
75	100		
110	34.3	31.4	47.2
77	28.8	26.0	39.0

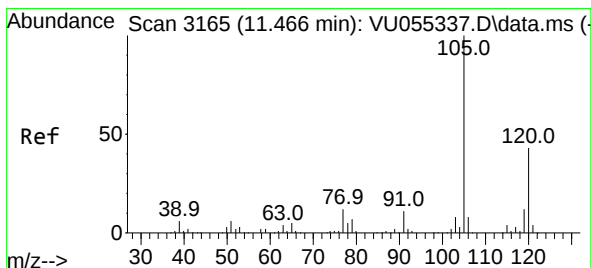
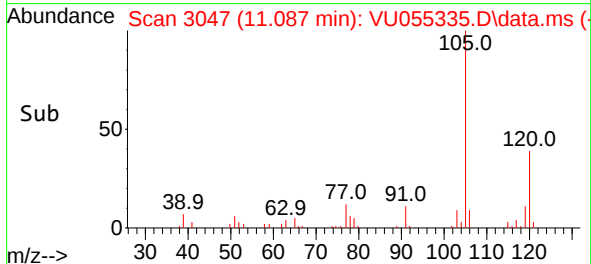
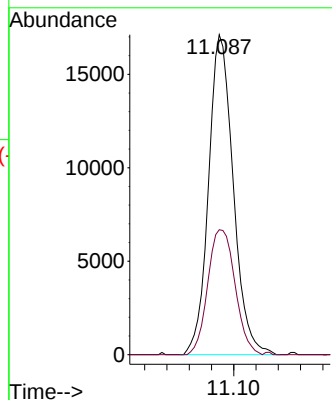
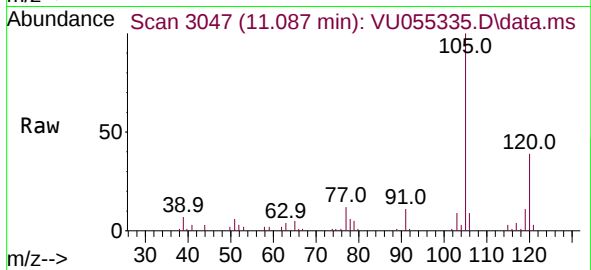




#62
 1,3,5-Trimethylbenzene
 Concen: 0.541 ug/L
 RT: 11.087 min Scan# 3047
 Delta R.T. -0.000 min
 Lab File: VU055335.D
 Acq: 15 Sep 2023 12:51

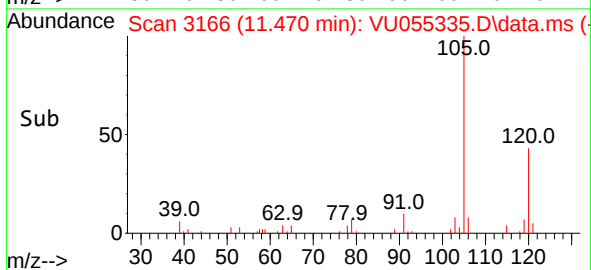
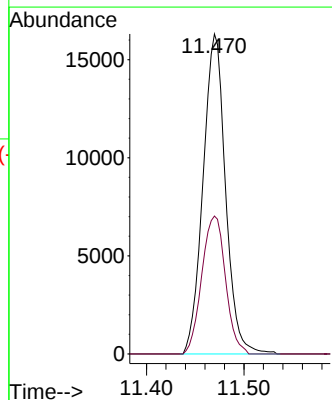
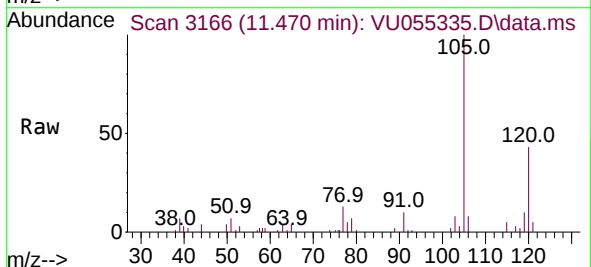
Instrument :
 MSVOA_U
 ClientSampleId :

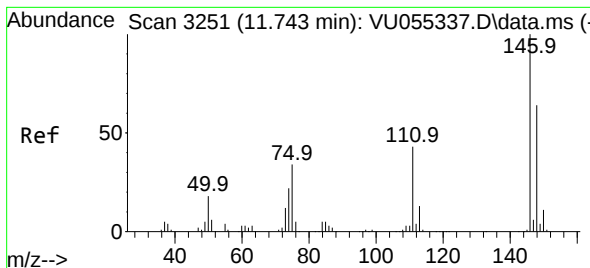
Tgt Ion:105 Resp: 26395
 Ion Ratio Lower Upper
 105 100
 120 43.0 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 0.535 ug/L
 RT: 11.470 min Scan# 3166
 Delta R.T. 0.003 min
 Lab File: VU055335.D
 Acq: 15 Sep 2023 12:51

Tgt Ion:105 Resp: 26138
 Ion Ratio Lower Upper
 105 100
 120 45.4 34.6 52.0





#64

1,3-Dichlorobenzene

Concen: 0.600 ug/L

RT: 11.746 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

Instrument :

MSVOA_U

ClientSampleId :

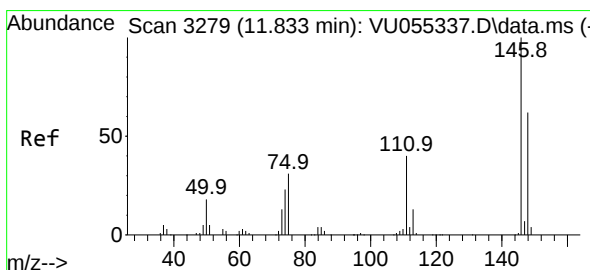
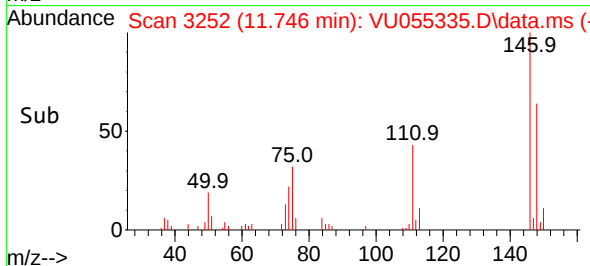
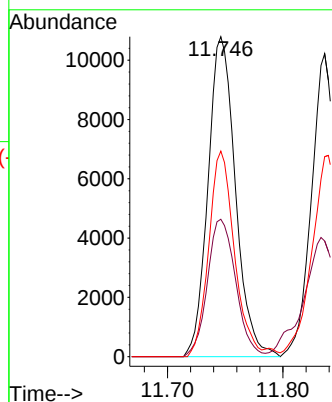
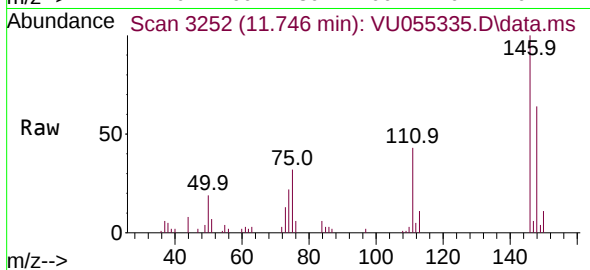
Tgt Ion:146 Resp: 17829

Ion Ratio Lower Upper

146 100

111 43.0 30.4 56.4

148 64.2 44.9 83.5



#65

1,4-Dichlorobenzene

Concen: 0.568 ug/L

RT: 11.836 min Scan# 3280

Delta R.T. 0.003 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

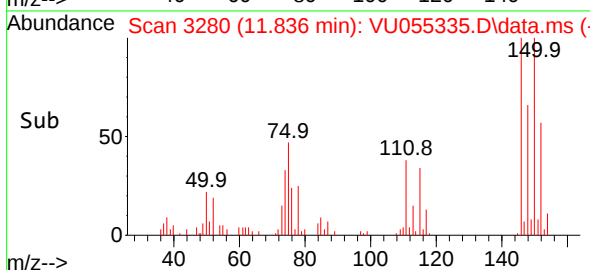
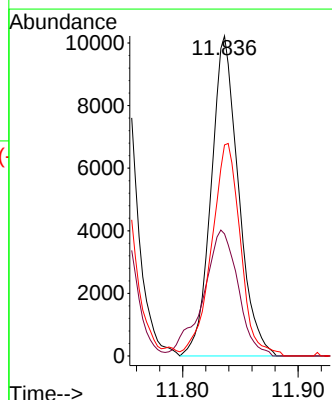
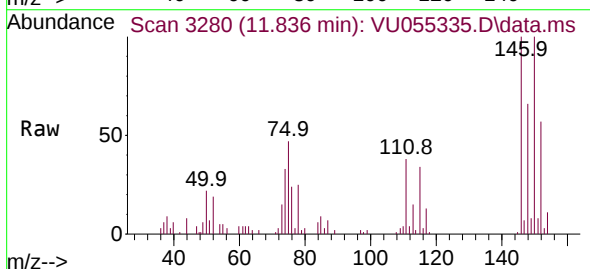
Tgt Ion:146 Resp: 16809

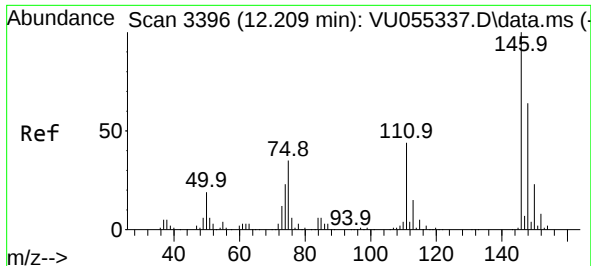
Ion Ratio Lower Upper

146 100

111 38.2 28.7 53.3

148 66.0 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 0.561 ug/L

RT: 12.216 min Scan# 3396

Delta R.T. 0.006 min

Lab File: VU055335.D

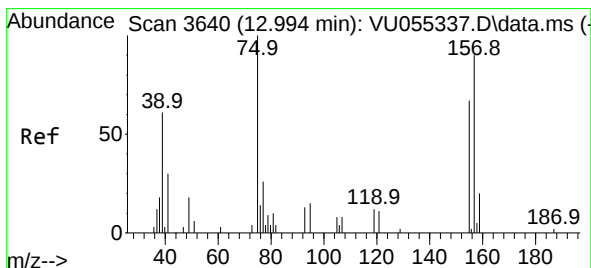
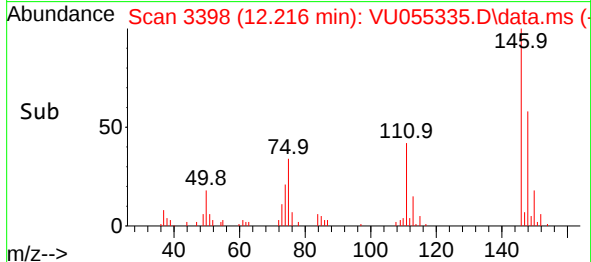
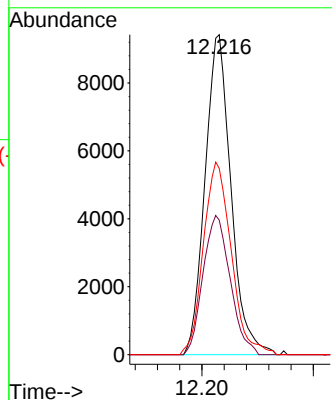
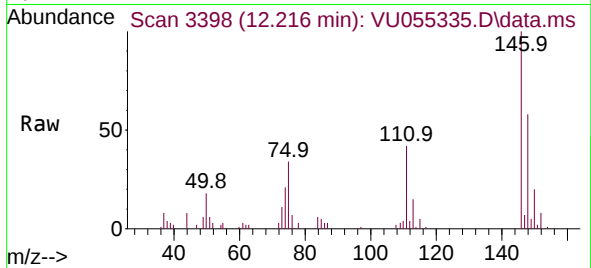
Acq: 15 Sep 2023 12:51

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	146	Resp:	15252
Ion Ratio	Lower	Upper	
146	100		
111	42.1	35.4	53.0
148	58.2	51.4	77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 0.519 ug/L

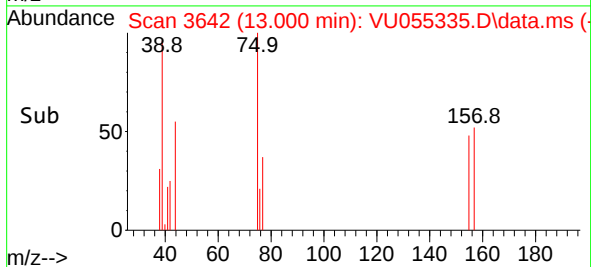
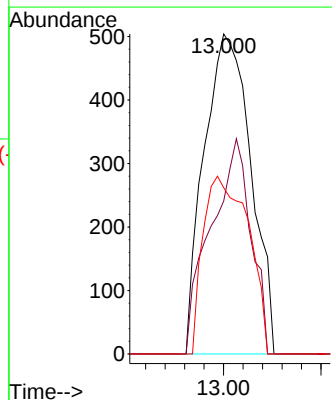
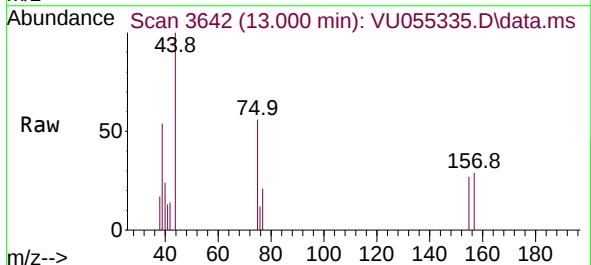
RT: 13.000 min Scan# 3642

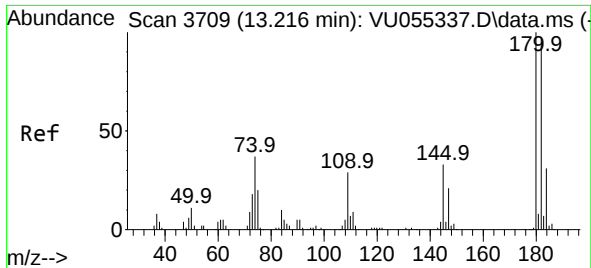
Delta R.T. 0.006 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

Tgt Ion:	75	Resp:	842
Ion Ratio	Lower	Upper	
75	100		
155	47.8	53.7	80.5#
157	52.0	72.4	108.6#





#69

1,3,5-Trichlorobenzene

Concen: 0.545 ug/L

RT: 13.222 min Scan# 31

Delta R.T. 0.006 min

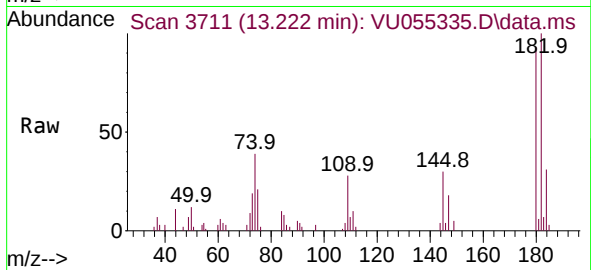
Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 11751

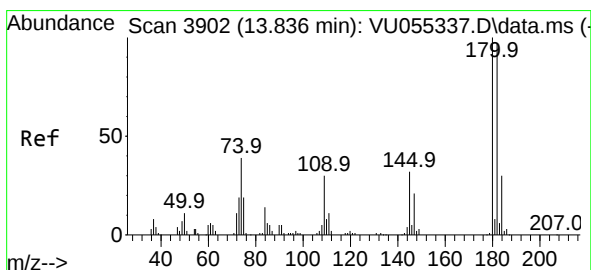
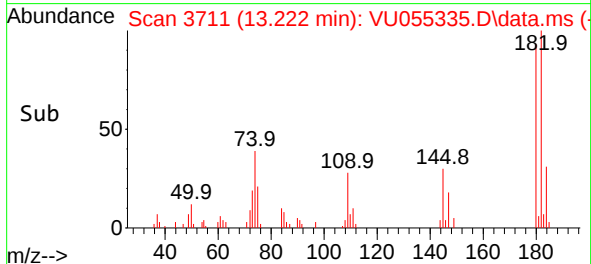
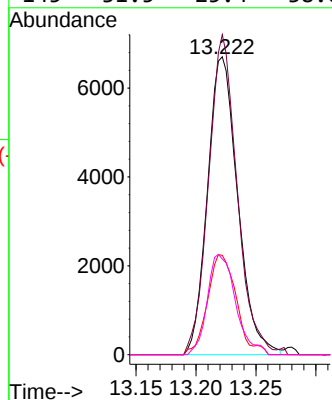
Ion Ratio Lower Upper

180 100

182 101.5 77.4 116.2

184 32.0 24.5 36.7

145 31.5 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 0.517 ug/L

RT: 13.842 min Scan# 3904

Delta R.T. 0.006 min

Lab File: VU055335.D

Acq: 15 Sep 2023 12:51

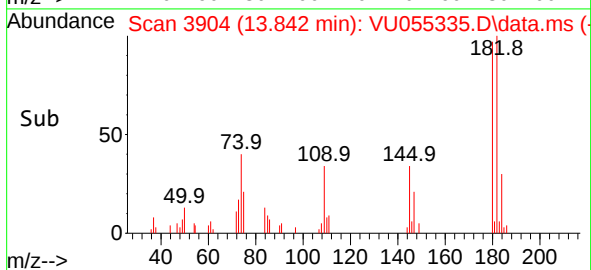
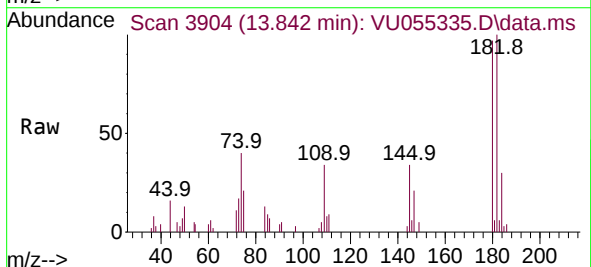
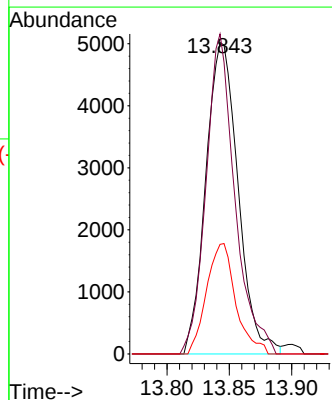
Tgt Ion:180 Resp: 9045

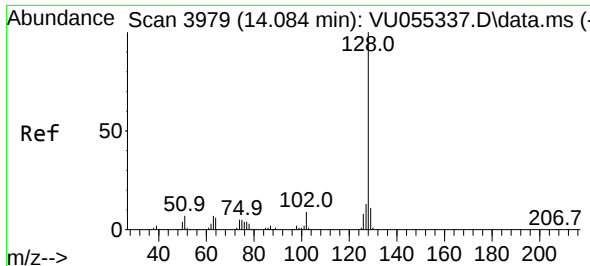
Ion Ratio Lower Upper

180 100

182 91.7 76.3 114.5

145 32.0 25.8 38.8

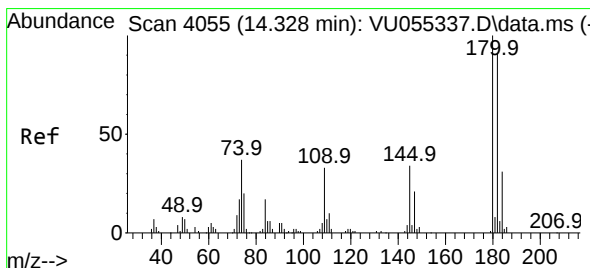
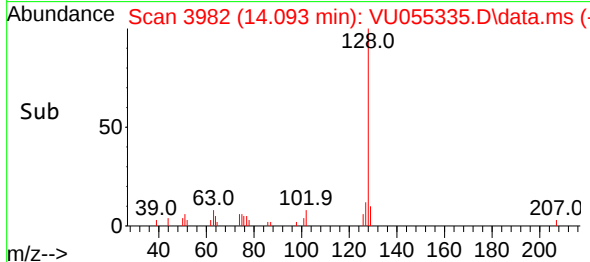
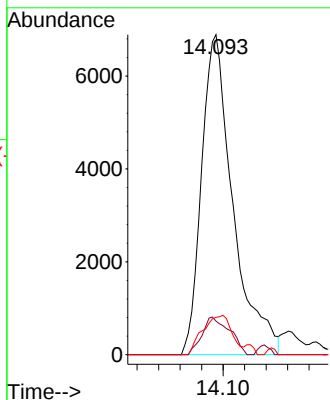
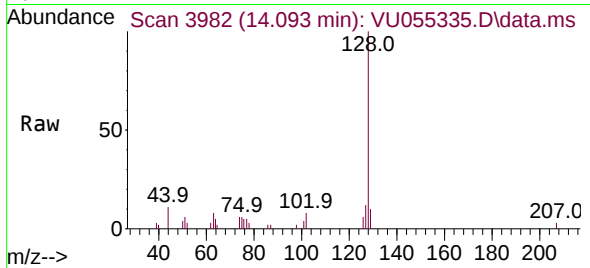




#71
Naphthalene
Concen: 0.555 ug/L
RT: 14.093 min Scan# 3979
Delta R.T. 0.010 min
Lab File: VU055335.D
Acq: 15 Sep 2023 12:51

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	128	Resp:	13961
Ion Ratio	Lower	Upper	
128	100		
129	10.3	8.2	12.4
127	11.5	10.3	15.5



#72
1,2,3-Trichlorobenzene
Concen: 0.552 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. -0.000 min
Lab File: VU055335.D
Acq: 15 Sep 2023 12:51

Tgt Ion:	180	Resp:	8121
Ion Ratio	Lower	Upper	
180	100		
182	89.7	74.6	112.0
145	31.7	27.3	40.9

