

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091423\
 Data File : VU055318.D
 Acq On : 14 Sep 2023 20:07
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 15 03:04:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 15 02:53:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	174954	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	182492	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	100814	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	53311	6.502	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	130.000%
7) Chloroethane-d5	1.907	69	54783	5.772	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.400%
11) 1,1-Dichloroethene-d2	2.560	65	20967	4.488	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.800%
20) 2-Butanone-d5	4.634	46	114079	47.942	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.880%
24) Chloroform-d	5.058	84	102092	4.692	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
26) 1,2-Dichloroethane-d4	5.698	65	51508	4.732	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
32) Benzene-d6	5.724	84	199479	4.428	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	6.689	67	60869	4.248	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.000%
41) Toluene-d8	7.898	98	181640	4.377	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
43) trans-1,3-Dichloroprop...	8.177	79	20776	5.266	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.400%
46) 2-Hexanone-d5	8.634	63	70643	44.101	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.200%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	46469	4.612	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	62989	4.281	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	44095	4.337	ug/L	98
3) Chloromethane	1.515	50	43092	4.164	ug/L	96
5) Vinyl chloride	1.599	62	47513	4.351	ug/L	99
6) Bromomethane	1.856	94	37623	5.713	ug/L	99
8) Chloroethane	1.930	64	42750	6.013	ug/L	98
9) Trichlorofluoromethane	2.133	101	87154	5.489	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	45089	4.881	ug/L	96
12) 1,1-Dichloroethene	2.573	96	38621	4.775	ug/L	94
13) Acetone	2.637	43	81268	50.958	ug/L	98
14) Carbon disulfide	2.788	76	72982	3.685	ug/L #	94
15) Methyl Acetate	2.956	43	17907	5.486	ug/L	93
16) Methylene chloride	3.039	84	59583	4.821	ug/L	93
17) Methyl tert-butyl Ether	3.361	73	119107	5.615	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	40739	4.964	ug/L	86
19) 1,1-Dichloroethane	3.866	63	97045	5.472	ug/L	97
21) 2-Butanone	4.711	43	137103	58.512	ug/L	95
22) cis-1,2-Dichloroethene	4.663	96	56888	5.663	ug/L	93
23) Bromochloromethane	4.972	128	25570	6.189	ug/L	91
25) Chloroform	5.084	83	108745	5.887	ug/L	97

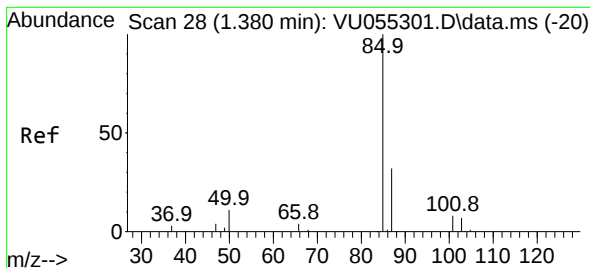
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091423\
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Instrument :
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Quant Time: Sep 15 03:04:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 15 02:53:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	65517	5.812	ug/L	96
29) 1,1,1-Trichloroethane	5.312	97	86093	5.454	ug/L	98
30) Cyclohexane	5.383	56	58902	4.196	ug/L	95
31) Carbon tetrachloride	5.521	117	67726	5.160	ug/L	99
33) Benzene	5.772	78	208035	5.356	ug/L	100
34) Trichloroethene	6.541	95	59520	5.514	ug/L	96
35) Methylcyclohexane	6.759	83	63307	4.180	ug/L	97
37) 1,2-Dichloropropane	6.788	63	59337	5.611	ug/L	98
38) Bromodichloromethane	7.103	83	74629	5.911	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	73074	5.081	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	333400	55.274	ug/L	95
42) Toluene	7.968	91	226916	5.480	ug/L	97
44) trans-1,3-Dichloropropene	8.209	75	64371	5.702	ug/L	98
45) 1,1,2-Trichloroethane	8.399	97	46924	6.588	ug/L	96
47) Tetrachloroethene	8.550	164	38326	5.137	ug/L	97
48) 2-Hexanone	8.682	43	255033	53.980	ug/L	95
49) Dibromochloromethane	8.807	129	46673	6.003	ug/L	95
50) 1,2-Dibromoethane	8.923	107	42982	6.627	ug/L #	85
51) Chlorobenzene	9.444	112	151179	5.513	ug/L	98
52) Ethylbenzene	9.570	91	238884	5.157	ug/L	97
53) m,p-Xylene	9.692	106	89623	5.229	ug/L	97
54) o-Xylene	10.097	106	90412	5.360	ug/L	100
55) Styrene	10.113	104	154904	5.561	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	53235	6.001	ug/L #	97
59) Bromoform	10.290	173	24481	6.078	ug/L	91
60) Isopropylbenzene	10.483	105	240411	5.114	ug/L	98
61) 1,2,3-Trichloropropane	10.820	75	41284	6.171	ug/L	96
62) 1,3,5-Trimethylbenzene	11.087	105	193553	4.949	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	184167	4.778	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	115919	5.136	ug/L	99
65) 1,4-Dichlorobenzene	11.836	146	117142	5.208	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	111667	5.278	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	6716	5.211	ug/L	91
69) 1,3,5-Trichlorobenzene	13.219	180	77568	4.548	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	57746	3.611	ug/L	97
71) Naphthalene	14.087	128	93546	3.218	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	52676	3.795	ug/L	97

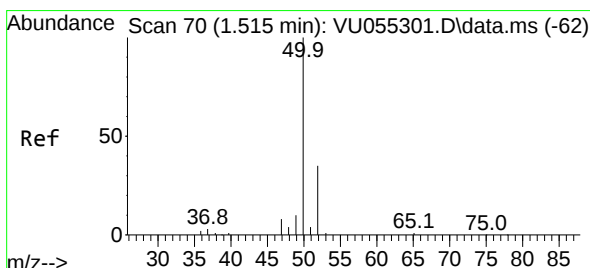
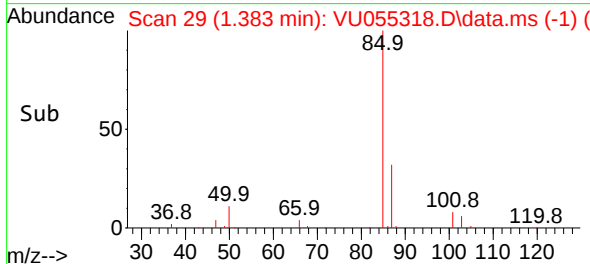
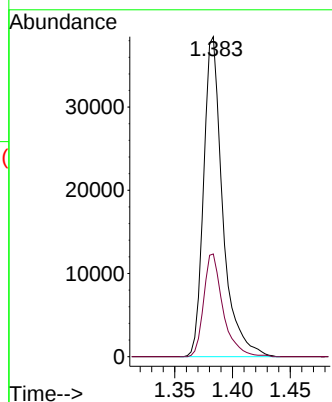
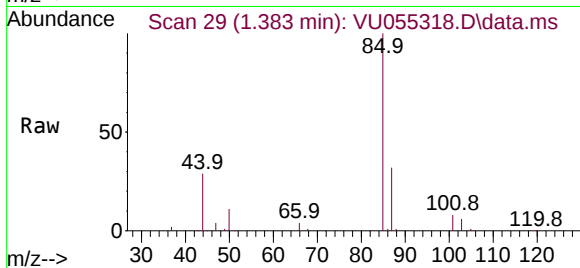
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.337 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.003 min
 Lab File: VU055318.D
 Acq: 14 Sep 2023 20:07

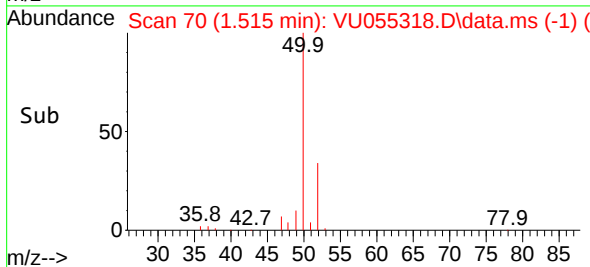
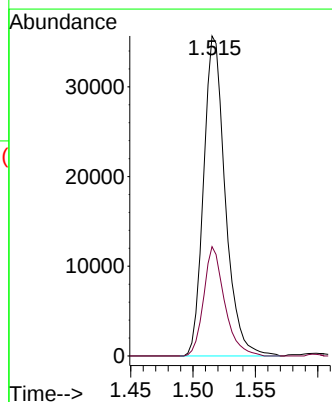
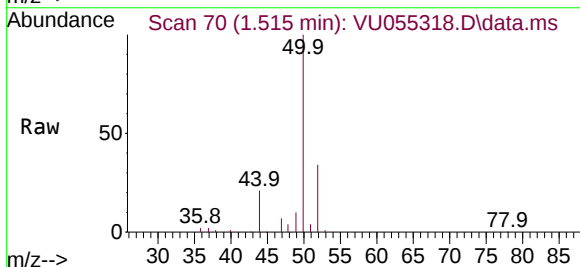
Instrument :
 MSVOA_U
 ClientSampleId :

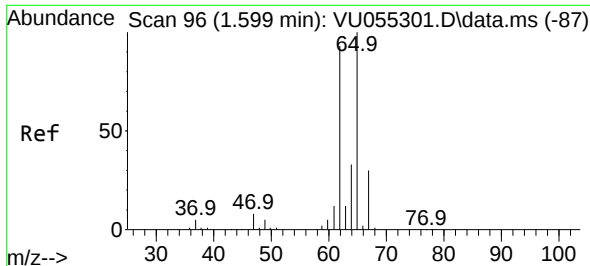
Tgt Ion: 85 Resp: 44095
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.1 37.7



#3
 Chloromethane
 Concen: 4.164 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU055318.D
 Acq: 14 Sep 2023 20:07

Tgt Ion: 50 Resp: 43092
 Ion Ratio Lower Upper
 50 100
 52 34.2 22.5 41.7

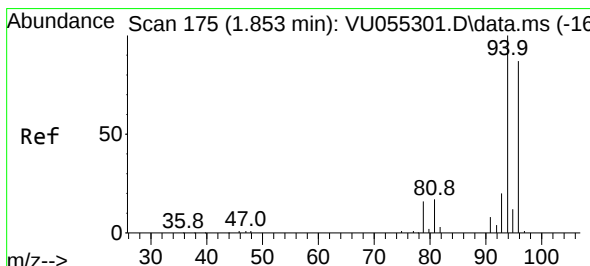
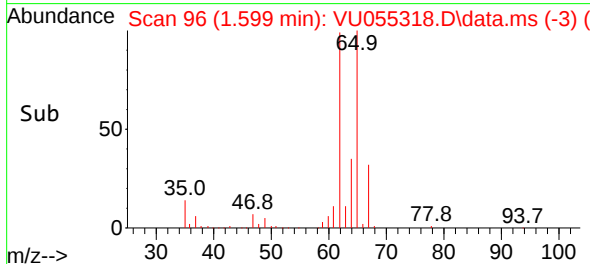
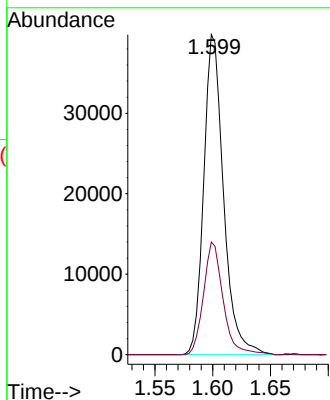
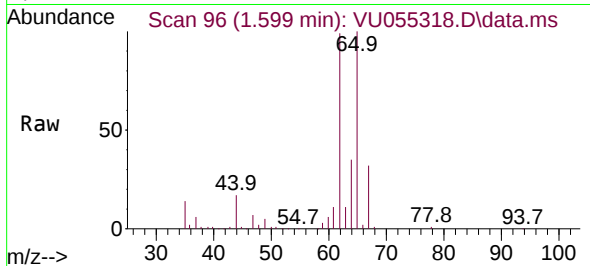




#5
 Vinyl chloride
 Concen: 4.351 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU055318.D
 Acq: 14 Sep 2023 20:07

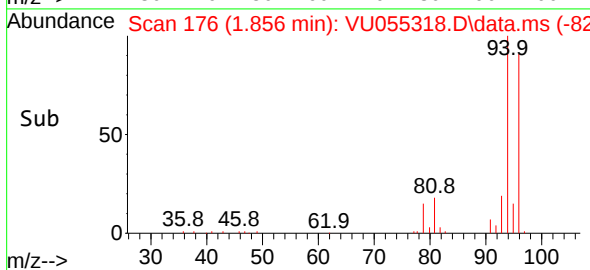
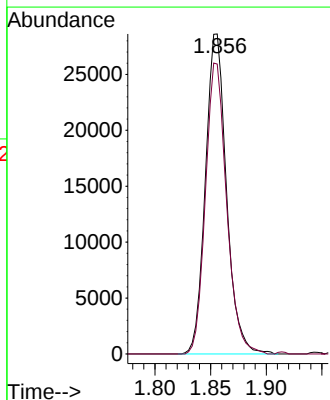
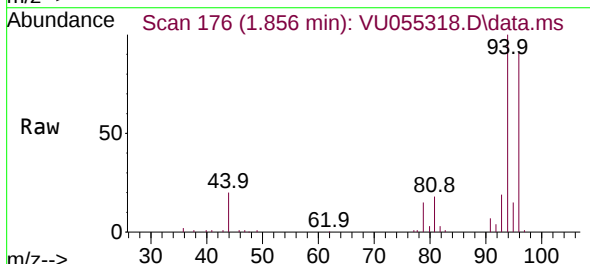
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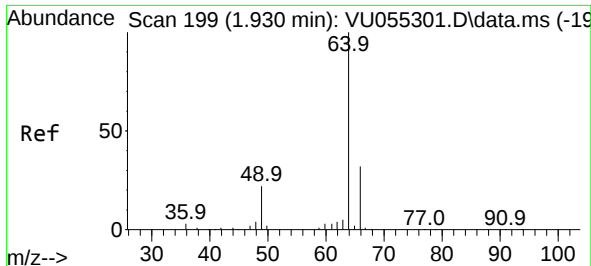
Tgt Ion: 62 Resp: 47513
 Ion Ratio Lower Upper
 62 100
 64 35.2 24.2 45.0



#6
 Bromomethane
 Concen: 5.713 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.003 min
 Lab File: VU055318.D
 Acq: 14 Sep 2023 20:07

Tgt Ion: 94 Resp: 37623
 Ion Ratio Lower Upper
 94 100
 96 90.6 63.8 118.4

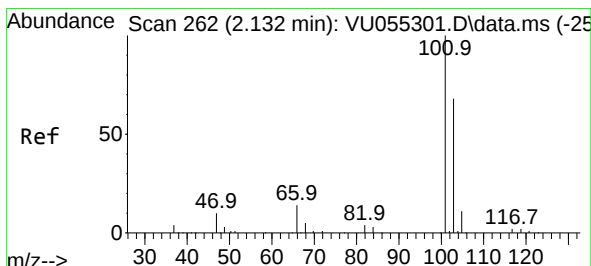
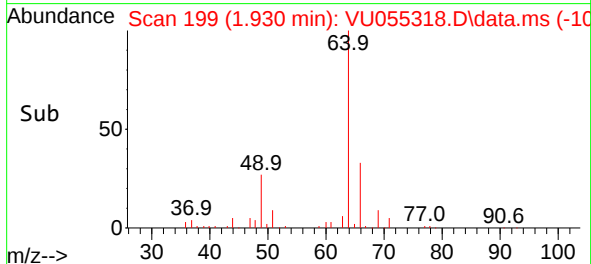
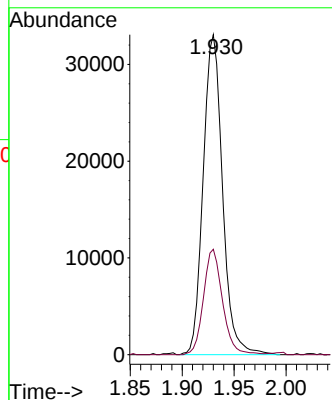
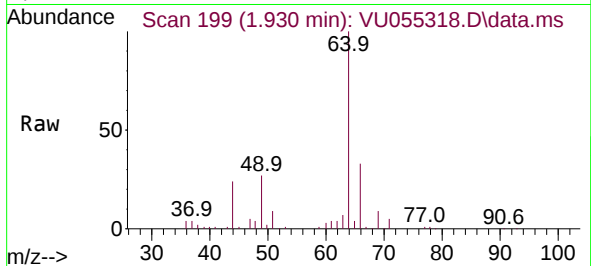




#8
Chloroethane
Concen: 6.013 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU055318.D
Acq: 14 Sep 2023 20:07

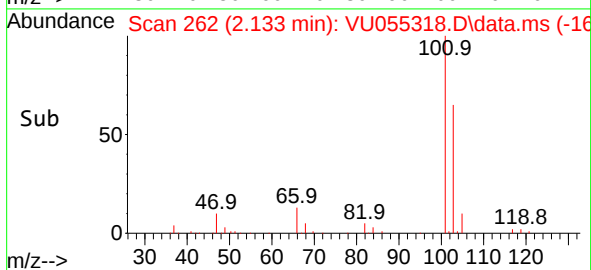
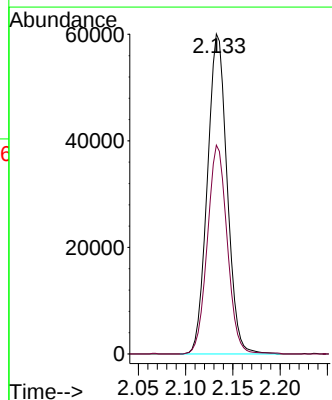
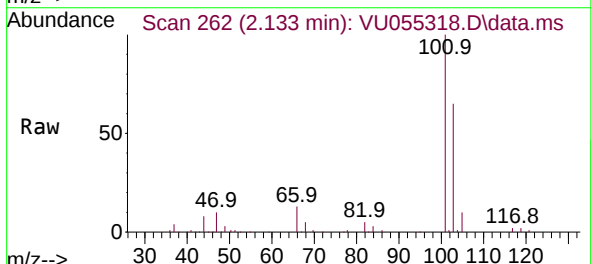
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ClientSampleId :

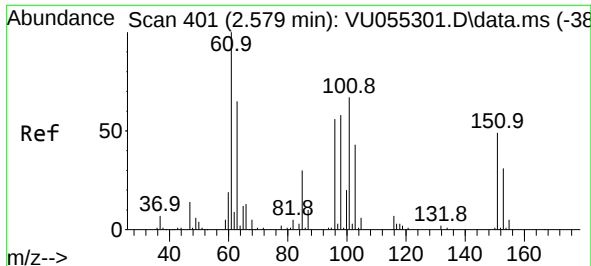
Tgt Ion: 64 Resp: 42750
Ion Ratio Lower Upper
64 100
66 32.9 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.489 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU055318.D
Acq: 14 Sep 2023 20:07

Tgt Ion:101 Resp: 87154
Ion Ratio Lower Upper
101 100
103 65.6 51.9 77.9

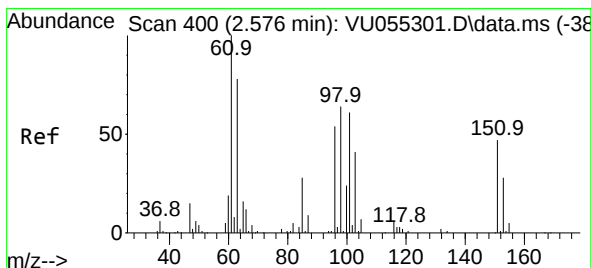
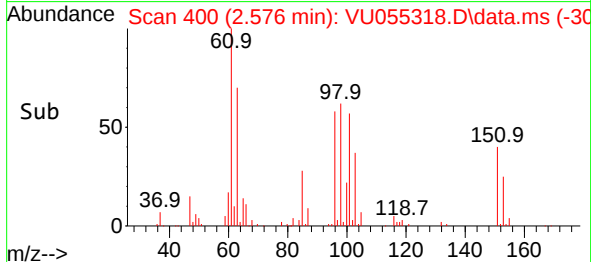
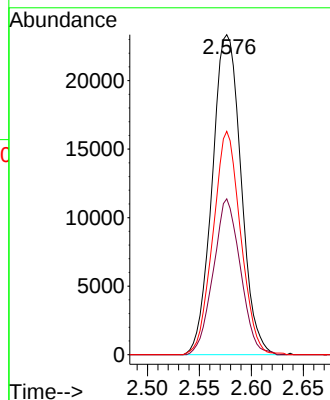
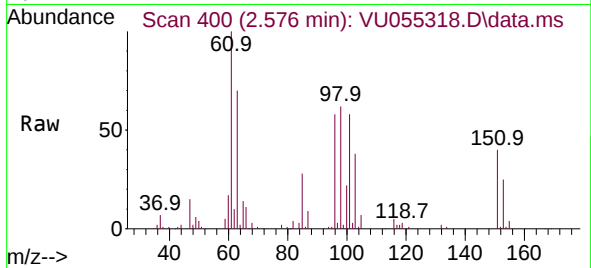




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.881 ug/L
 RT: 2.576 min Scan# 401
 Delta R.T. -0.003 min
 Lab File: VU055318.D
 Acq: 14 Sep 2023 20:07

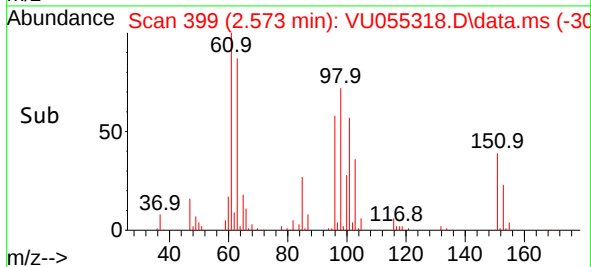
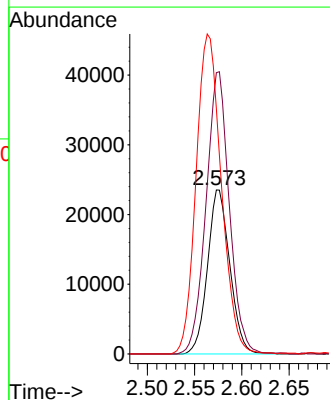
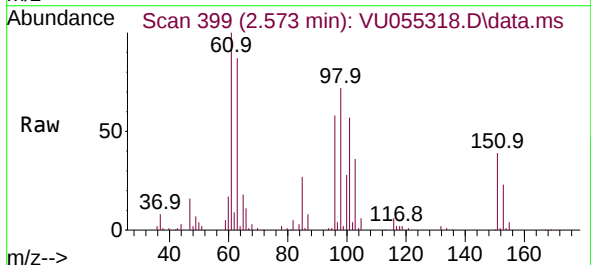
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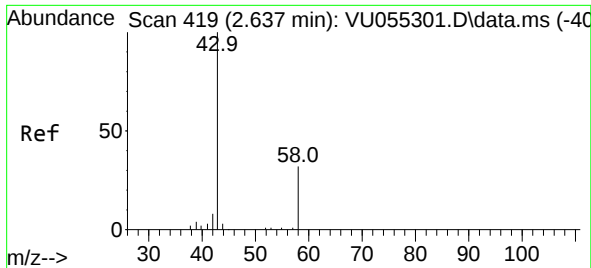
Tgt Ion:101 Resp: 45089
 Ion Ratio Lower Upper
 101 100
 85 45.9 37.3 55.9
 151 66.9 57.6 86.4



#12
 1,1-Dichloroethene
 Concen: 4.775 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU055318.D
 Acq: 14 Sep 2023 20:07

Tgt Ion: 96 Resp: 38621
 Ion Ratio Lower Upper
 96 100
 61 171.4 120.8 224.4
 63 149.5 94.5 175.5





#13

Acetone

Concen: 50.958 ug/L

RT: 2.637 min Scan# 419

Delta R.T. 0.000 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

Instrument :

MSVOA_U

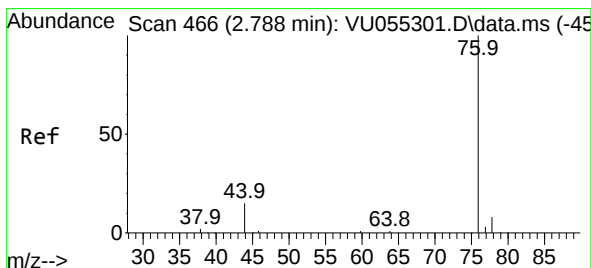
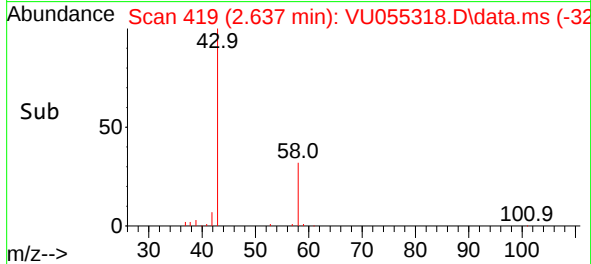
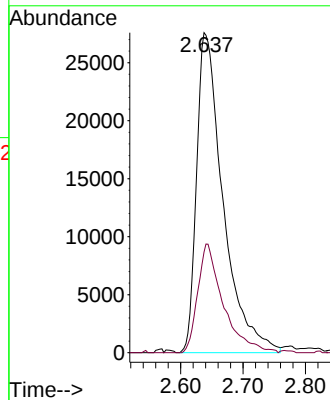
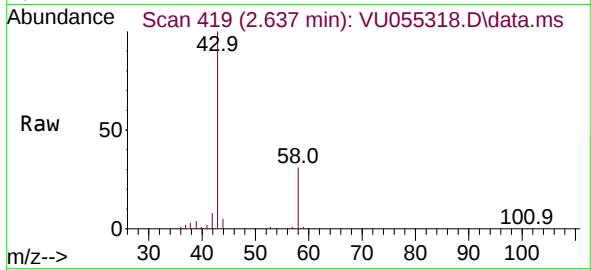
ClientSampleId :

Tgt Ion: 43 Resp: 81268

Ion Ratio Lower Upper

43 100

58 32.7 0.0 67.8



#14

Carbon disulfide

Concen: 3.685 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU055318.D

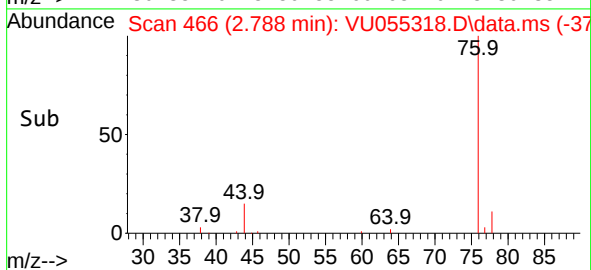
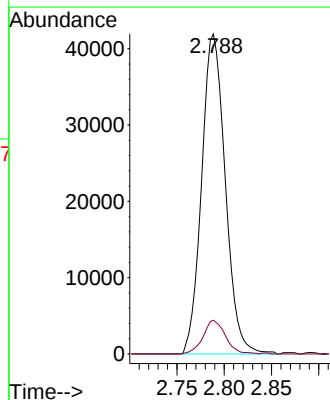
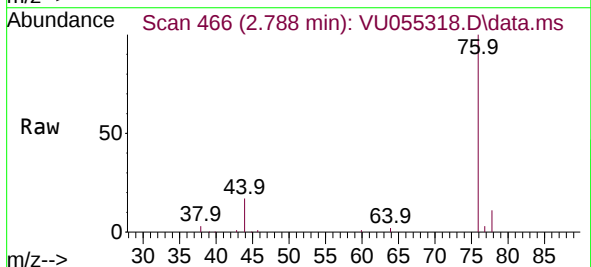
Acq: 14 Sep 2023 20:07

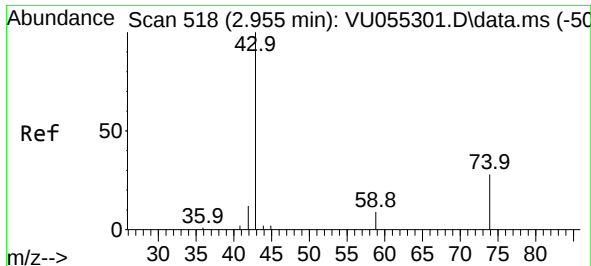
Tgt Ion: 76 Resp: 72982

Ion Ratio Lower Upper

76 100

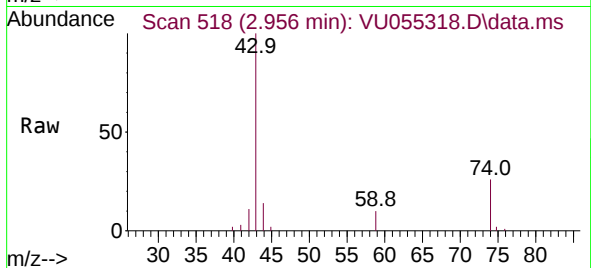
78 10.5 6.8 10.2#



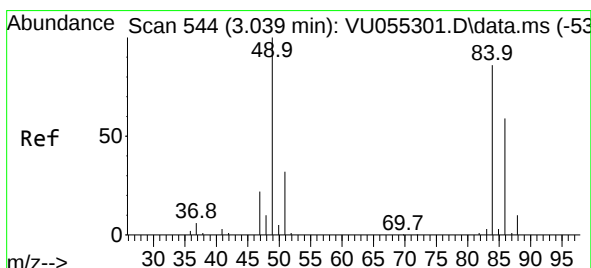
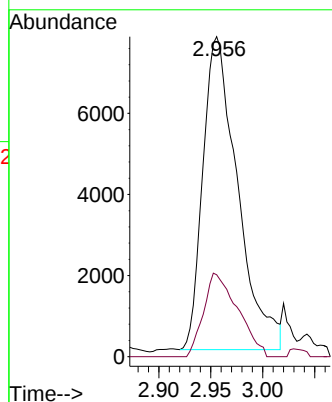
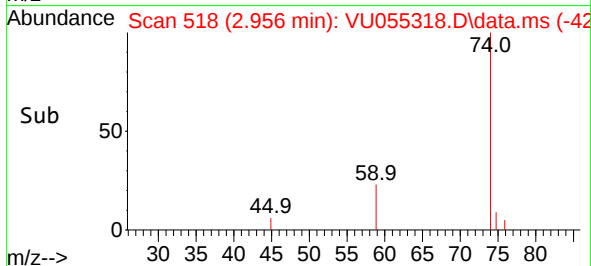


#15
Methyl Acetate
Concen: 5.486 ug/L
RT: 2.956 min Scan# 518
Delta R.T. 0.000 min
Lab File: VU055318.D
Acq: 14 Sep 2023 20:07

Instrument :
MSVOA_U
ClientSampleId :

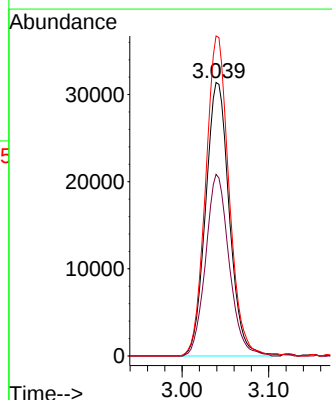
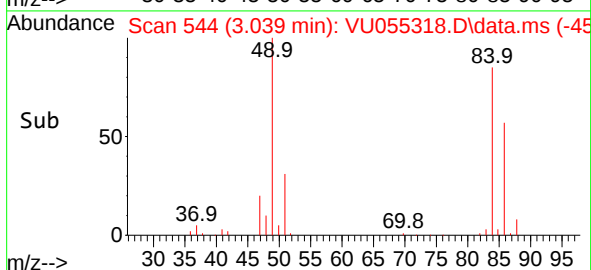
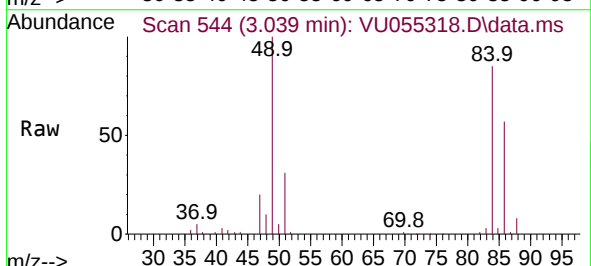


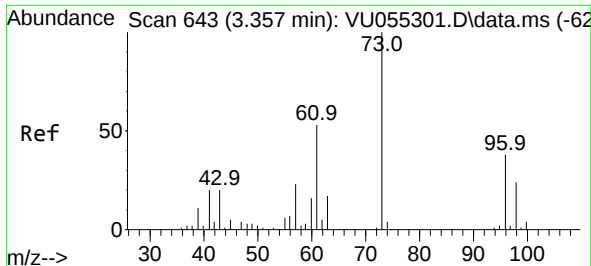
Tgt Ion: 43 Resp: 17907
Ion Ratio Lower Upper
43 100
74 26.2 18.4 27.6



#16
Methylene chloride
Concen: 4.821 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU055318.D
Acq: 14 Sep 2023 20:07

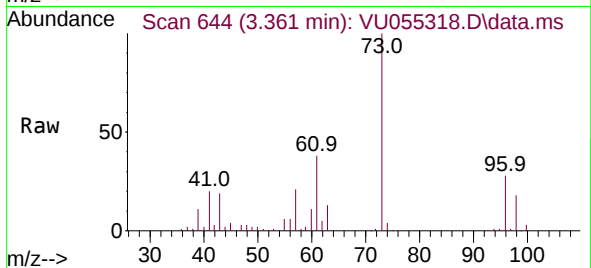
Tgt Ion: 84 Resp: 59583
Ion Ratio Lower Upper
84 100
86 66.4 43.4 80.6
49 117.0 87.7 162.9



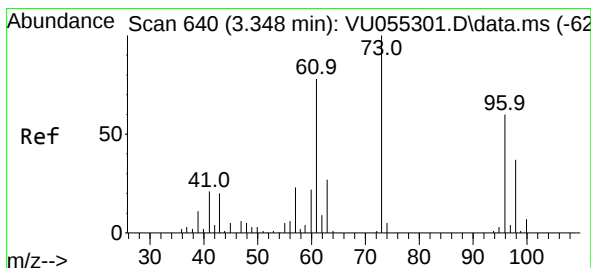
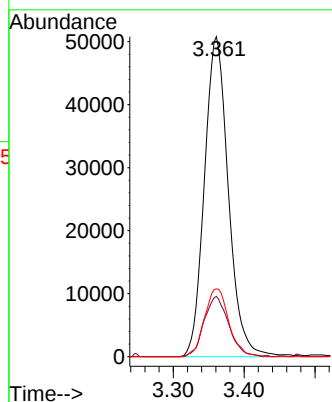
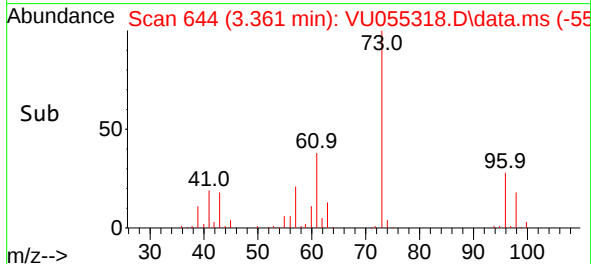


#17
Methyl tert-butyl Ether
Concen: 5.615 ug/L
RT: 3.361 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055318.D
Acq: 14 Sep 2023 20:07

Instrument :
MSVOA_U
ClientSampleId :

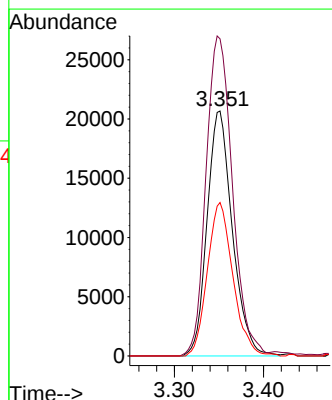
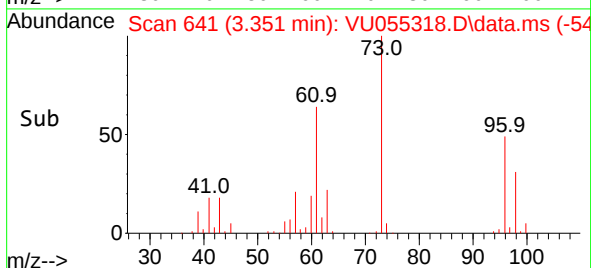
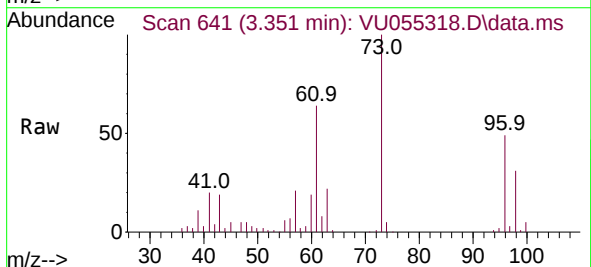


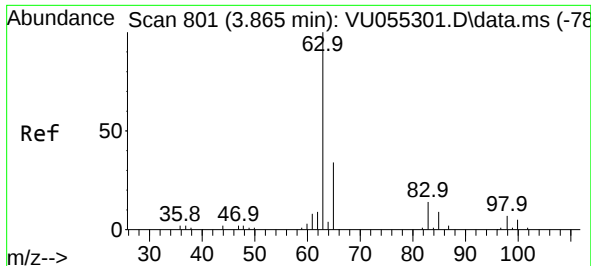
Tgt Ion: 73 Resp: 119107
Ion Ratio Lower Upper
73 100
43 19.5 16.2 24.2
57 21.5 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 4.964 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055318.D
Acq: 14 Sep 2023 20:07

Tgt Ion: 96 Resp: 40739
Ion Ratio Lower Upper
96 100
61 129.5 108.1 200.9
98 62.6 45.4 84.4





#19

1,1-Dichloroethane

Concen: 5.472 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU055318.D

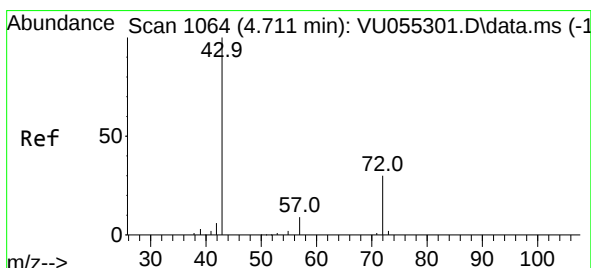
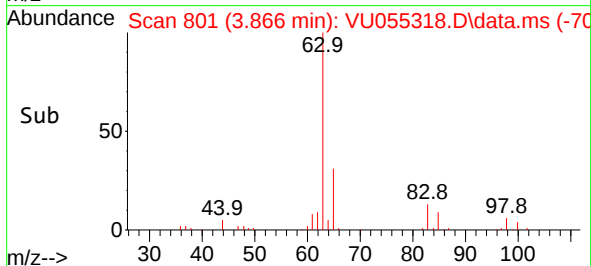
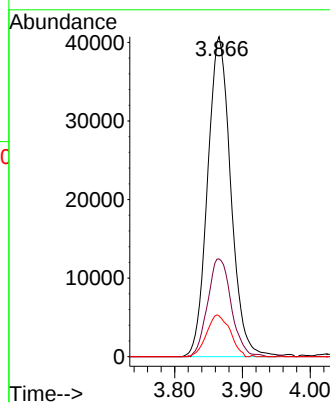
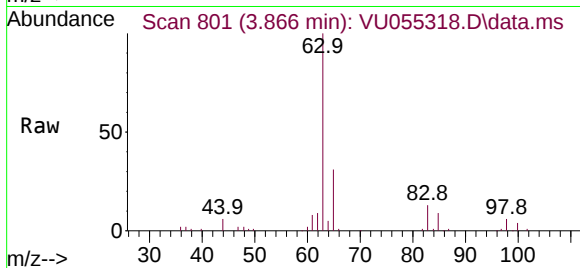
Acq: 14 Sep 2023 20:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	97045
Ion	Ratio	Lower	Upper
63	100		
65	30.5	22.2	41.2
83	12.7	10.6	19.8



#21

2-Butanone

Concen: 58.512 ug/L

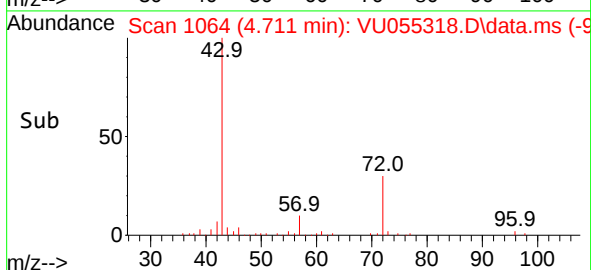
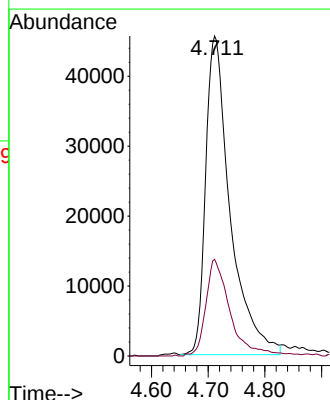
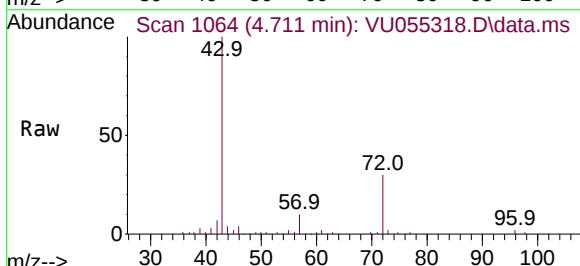
RT: 4.711 min Scan# 1064

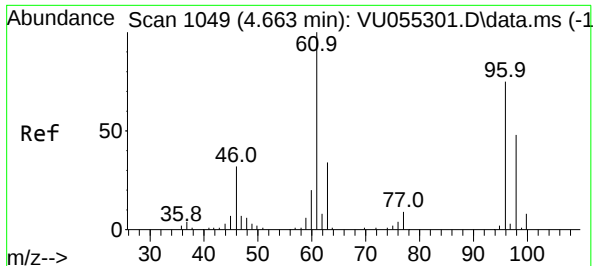
Delta R.T. 0.000 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

Tgt Ion:	43	Resp:	137103
Ion	Ratio	Lower	Upper
43	100		
72	29.8	13.5	40.5





#22

cis-1,2-Dichloroethene

Concen: 5.663 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.000 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

Instrument :

MSVOA_U

ClientSampleId :

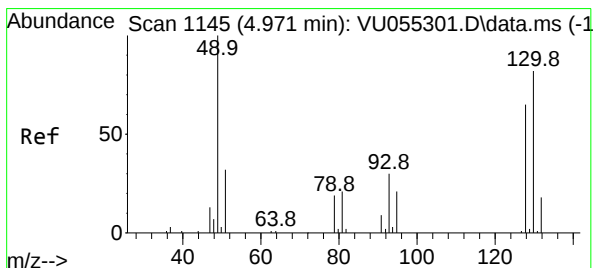
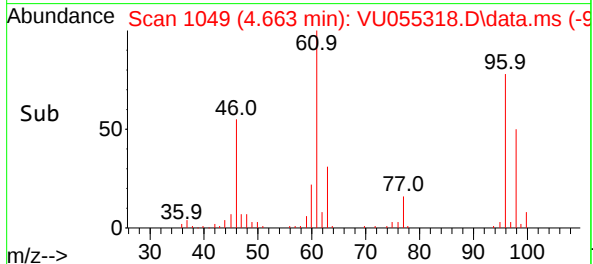
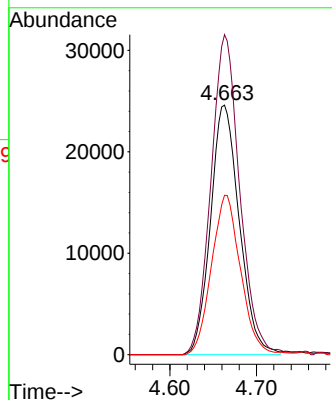
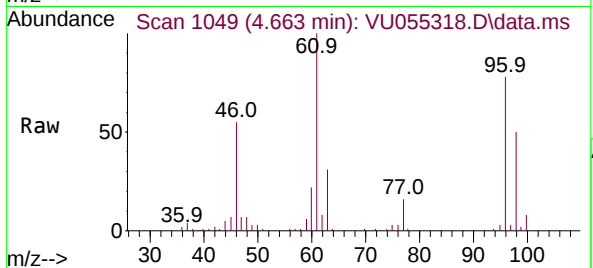
Tgt Ion: 96 Resp: 56888

Ion Ratio Lower Upper

96 100

61 128.2 97.2 180.4

98 63.8 46.1 85.7



#23

Bromochloromethane

Concen: 6.189 ug/L

RT: 4.972 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

Tgt Ion: 128 Resp: 25570

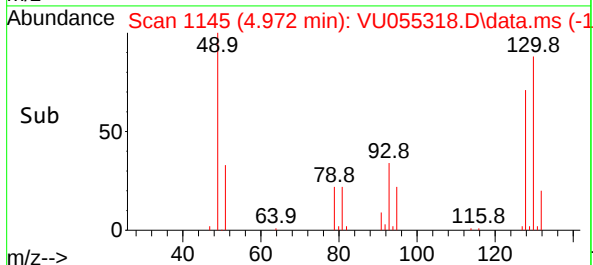
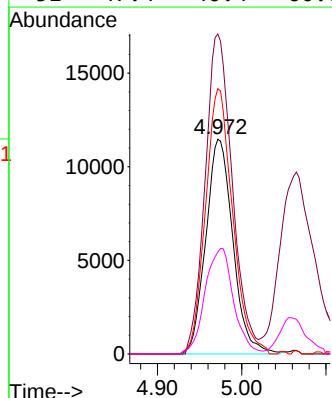
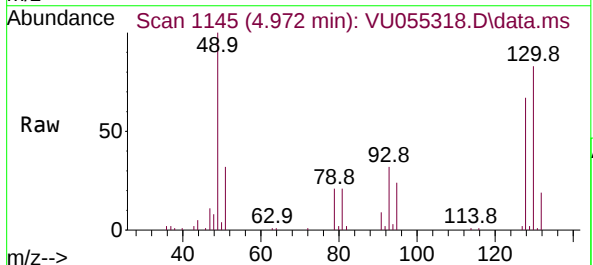
Ion Ratio Lower Upper

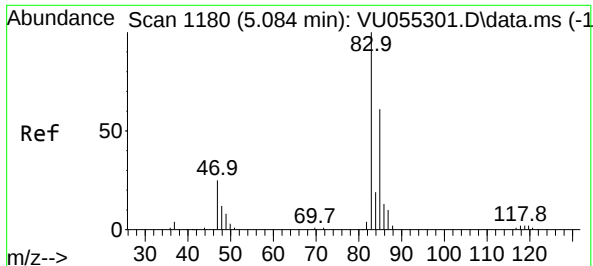
128 100

49 149.1 118.9 220.9

130 123.6 88.0 163.4

51 47.4 40.4 60.6





#25

Chloroform

Concen: 5.887 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

Instrument :

MSVOA_U

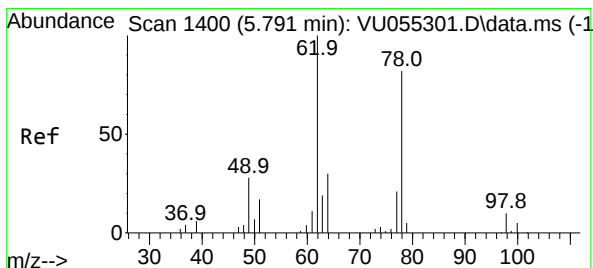
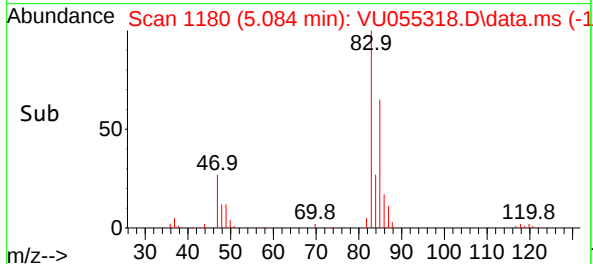
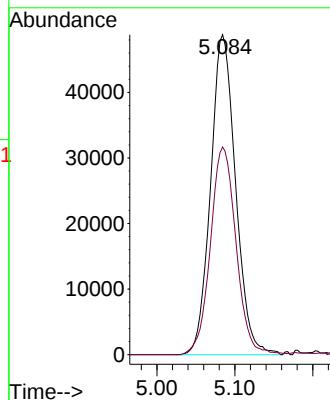
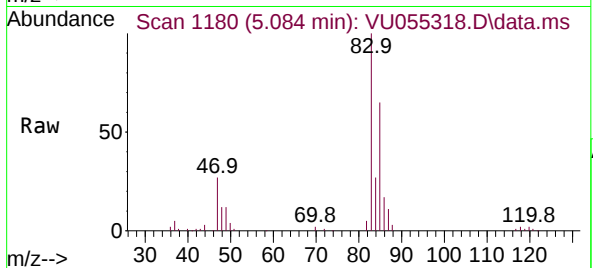
ClientSampleId :

Tgt Ion: 83 Resp: 108745

Ion Ratio Lower Upper

83 100

85 64.9 47.2 87.6



#27

1,2-Dichloroethane

Concen: 5.812 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.003 min

Lab File: VU055318.D

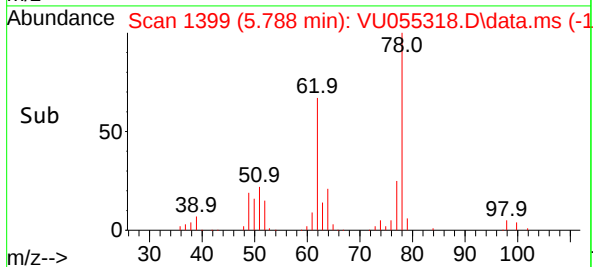
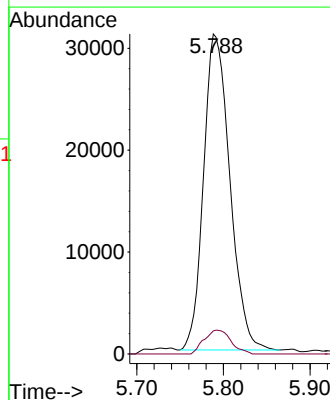
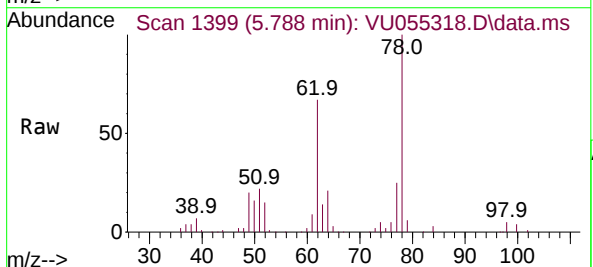
Acq: 14 Sep 2023 20:07

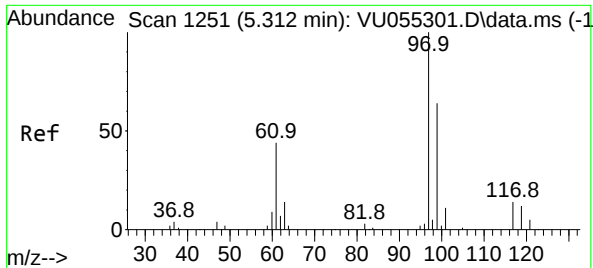
Tgt Ion: 62 Resp: 65517

Ion Ratio Lower Upper

62 100

98 7.2 6.9 10.3

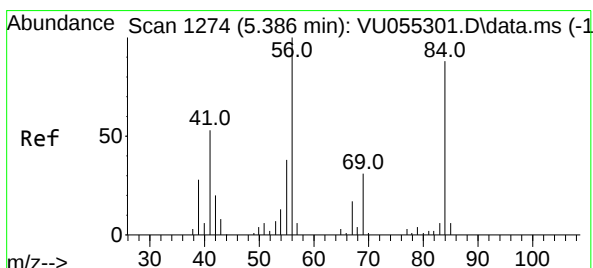
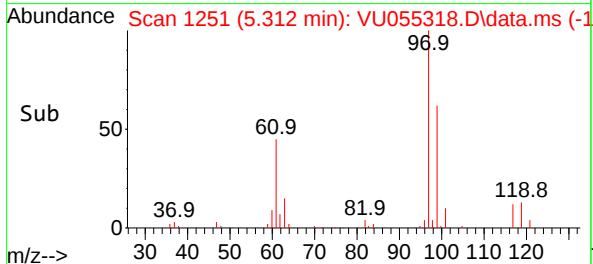
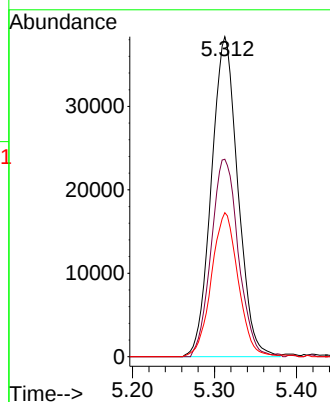
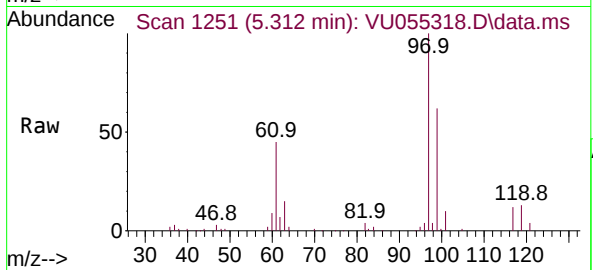




#29
1,1,1-Trichloroethane
Concen: 5.454 ug/L
RT: 5.312 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055318.D
Acq: 14 Sep 2023 20:07

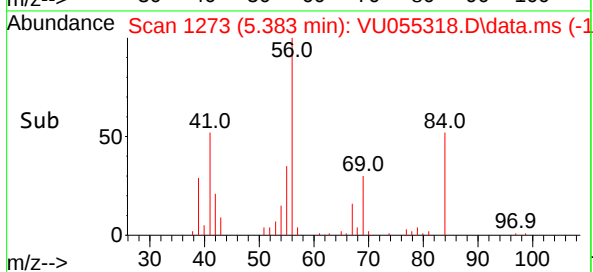
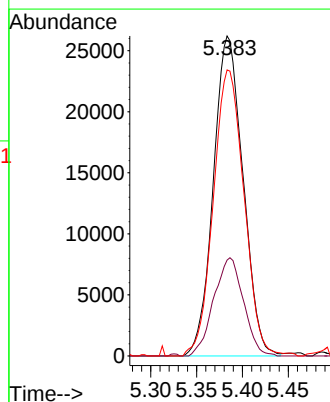
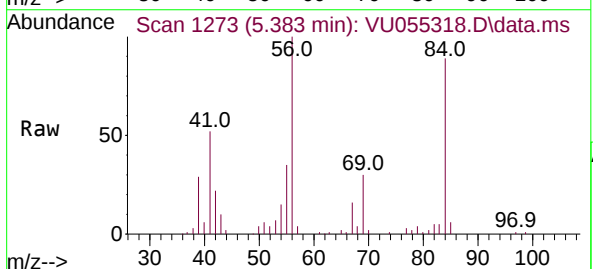
Instrument :
MSVOA_U
ClientSampleId :

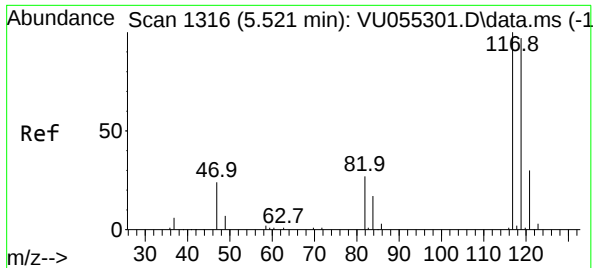
Tgt Ion: 97	Resp: 86093
Ion Ratio	Lower Upper
97 100	
99 63.3	51.8 77.8
61 45.3	36.8 55.2



#30
Cyclohexane
Concen: 4.196 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. -0.003 min
Lab File: VU055318.D
Acq: 14 Sep 2023 20:07

Tgt Ion: 56	Resp: 58902
Ion Ratio	Lower Upper
56 100	
69 30.8	24.6 37.0
84 92.4	68.8 103.2

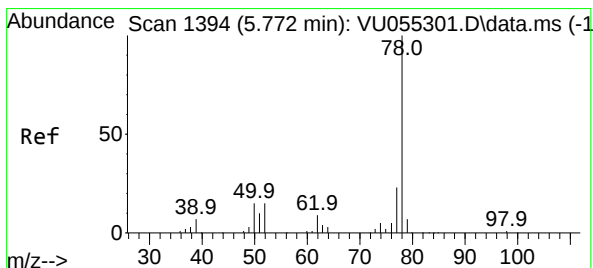
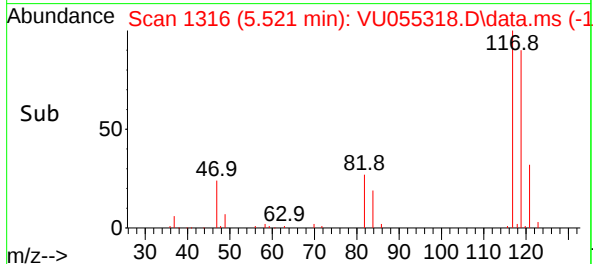
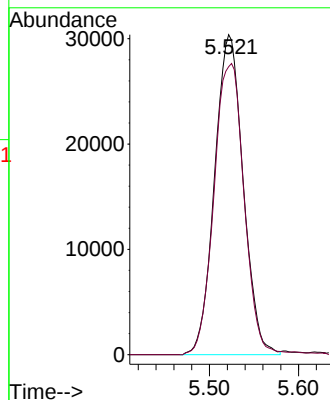
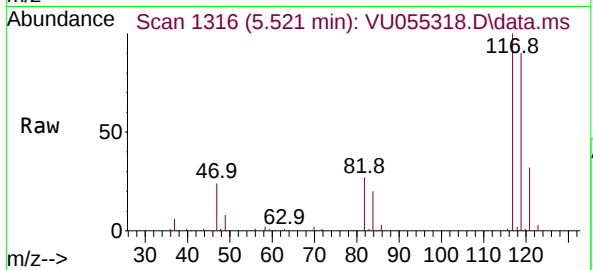




#31
Carbon tetrachloride
Concen: 5.160 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU055318.D
Acq: 14 Sep 2023 20:07

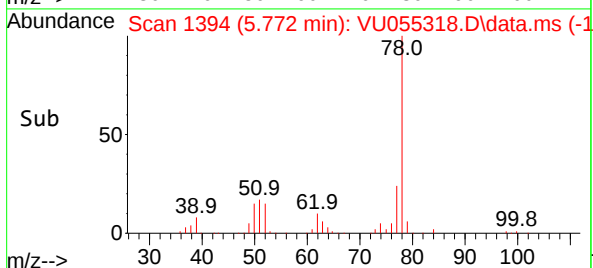
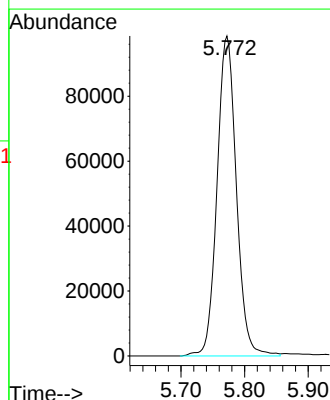
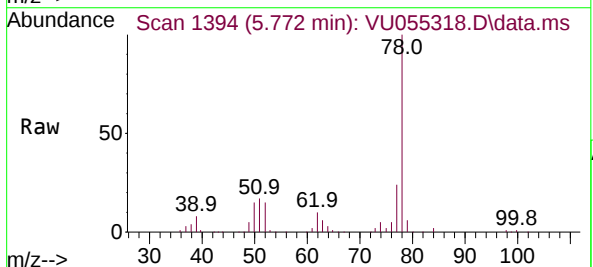
Instrument :
MSVOA_U
ClientSampleId :

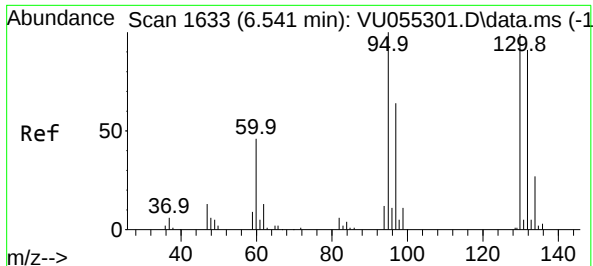
Tgt Ion:117 Resp: 67726
Ion Ratio Lower Upper
117 100
119 95.6 75.4 113.0



#33
Benzene
Concen: 5.356 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU055318.D
Acq: 14 Sep 2023 20:07

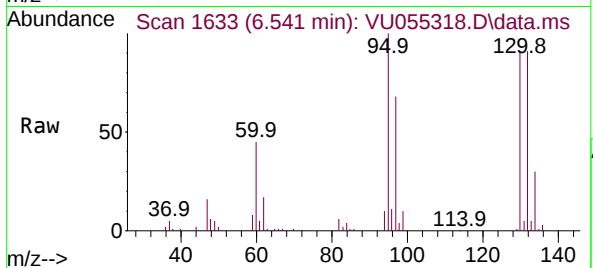
Tgt Ion: 78 Resp: 208035



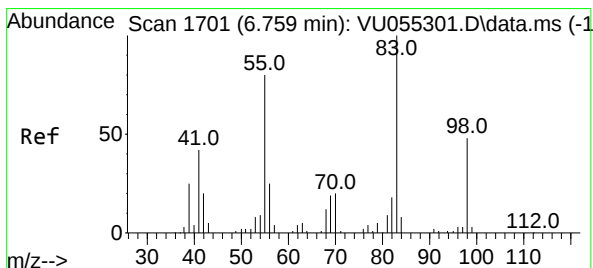
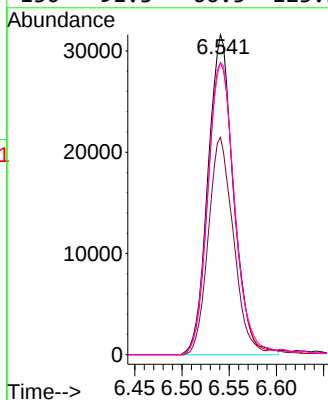
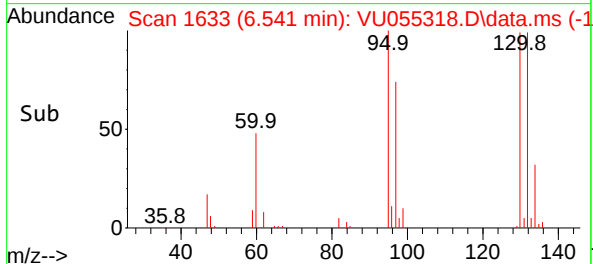


#34
Trichloroethene
Concen: 5.514 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055318.D
Acq: 14 Sep 2023 20:07

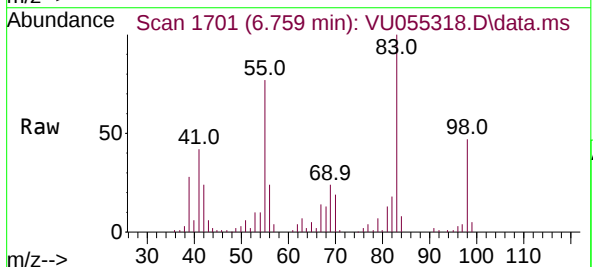
Instrument :
MSVOA_U
ClientSampleId :



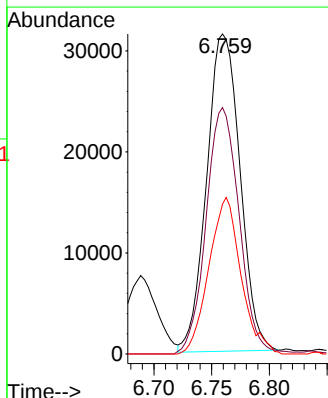
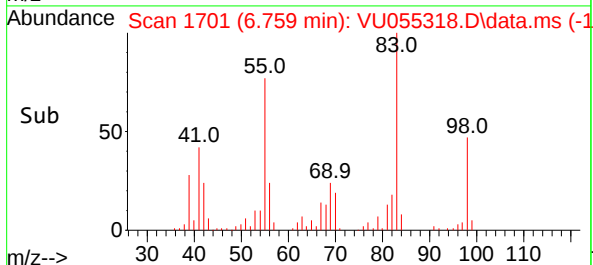
Tgt Ion: 95 Resp: 59520
Ion Ratio Lower Upper
95 100
97 67.9 44.7 83.1
132 91.2 66.6 123.6
130 91.3 66.5 123.5

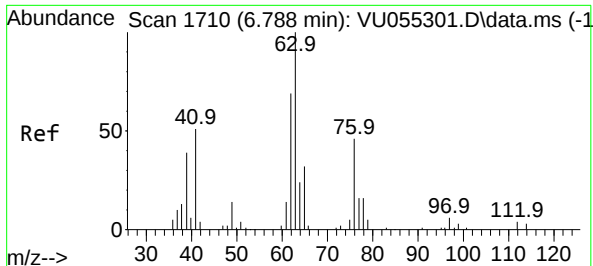


#35
Methylcyclohexane
Concen: 4.180 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU055318.D
Acq: 14 Sep 2023 20:07



Tgt Ion: 83 Resp: 63307
Ion Ratio Lower Upper
83 100
55 77.0 60.4 90.6
98 47.3 35.3 52.9





#37

1,2-Dichloropropane

Concen: 5.611 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

Instrument :

MSVOA_U

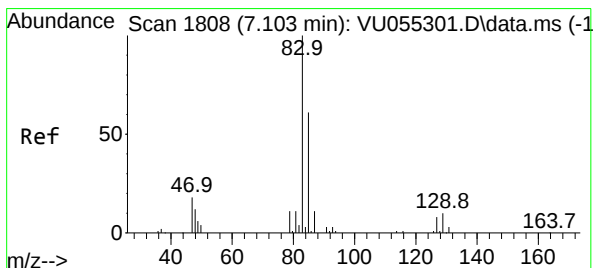
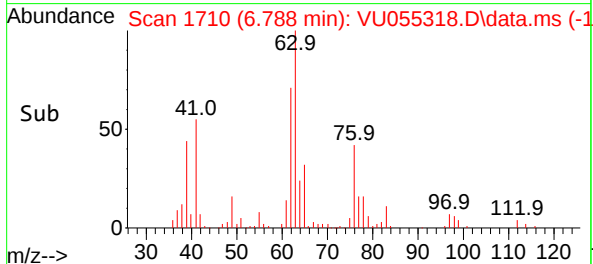
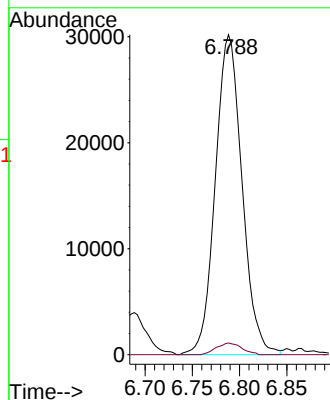
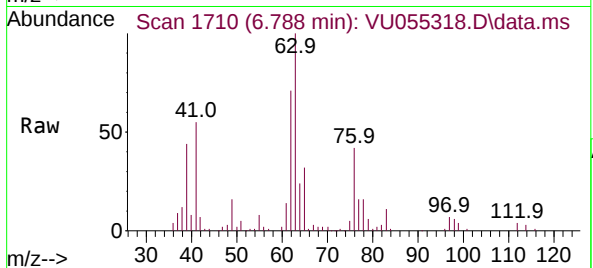
ClientSampleId :

Tgt Ion: 63 Resp: 59337

Ion Ratio Lower Upper

63 100

112 3.5 3.2 4.8



#38

Bromodichloromethane

Concen: 5.911 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

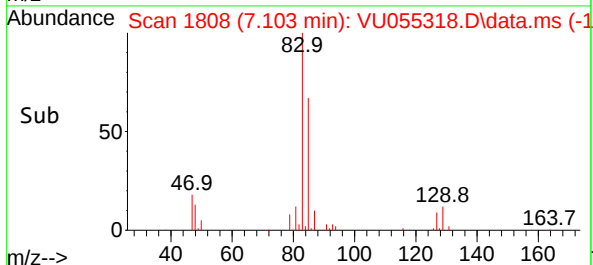
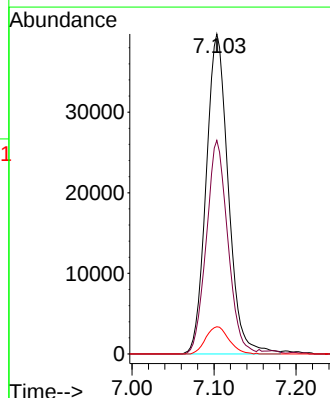
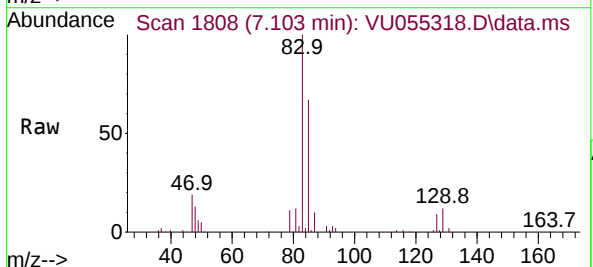
Tgt Ion: 83 Resp: 74629

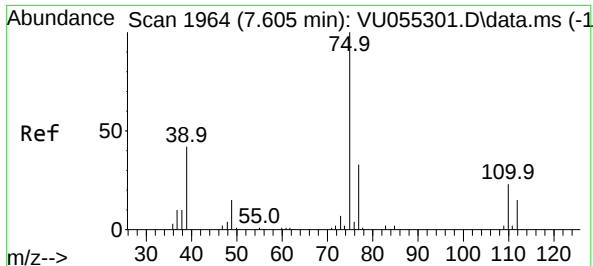
Ion Ratio Lower Upper

83 100

85 66.7 44.9 83.5

127 8.5 7.8 11.8





#39

cis-1,3-Dichloropropene

Concen: 5.081 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

Instrument :

MSVOA_U

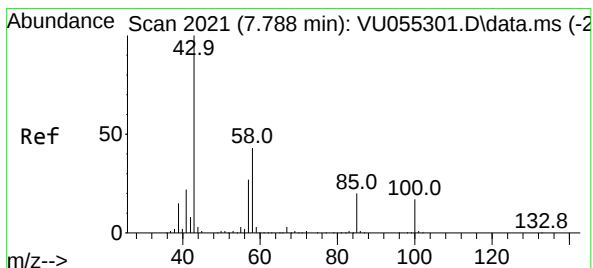
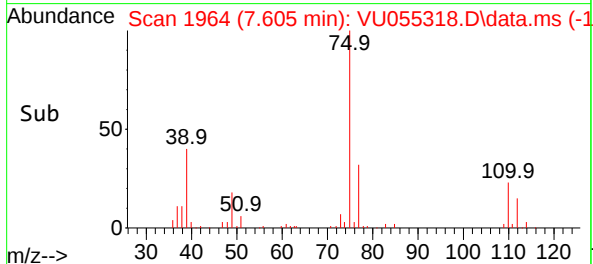
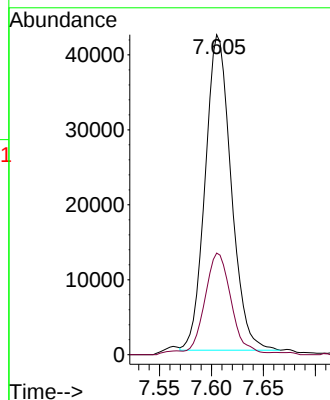
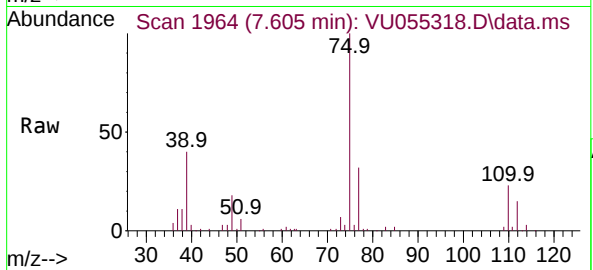
ClientSampleId :

Tgt Ion: 75 Resp: 73074

Ion Ratio Lower Upper

75 100

77 31.8 20.9 38.9



#40

4-Methyl-2-pentanone

Concen: 55.274 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

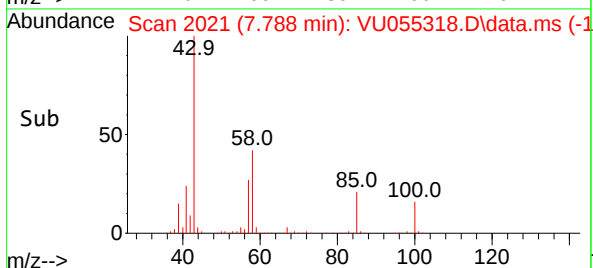
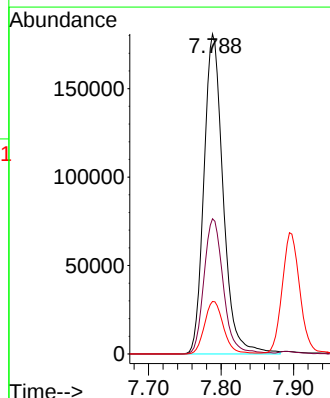
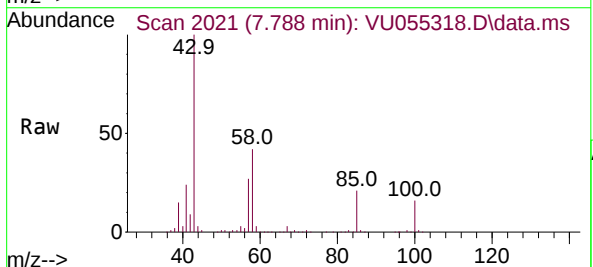
Tgt Ion: 43 Resp: 333400

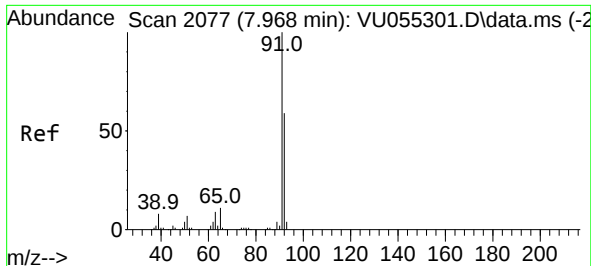
Ion Ratio Lower Upper

43 100

58 42.6 31.5 47.3

100 16.2 11.8 17.8





#42

Toluene

Concen: 5.480 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.000 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

Instrument :

MSVOA_U

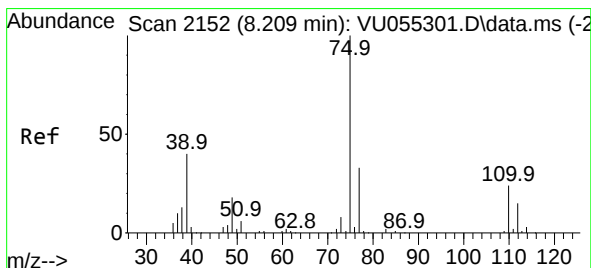
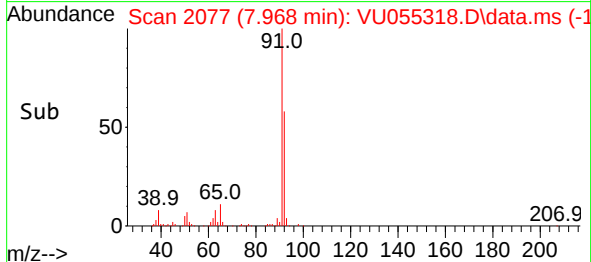
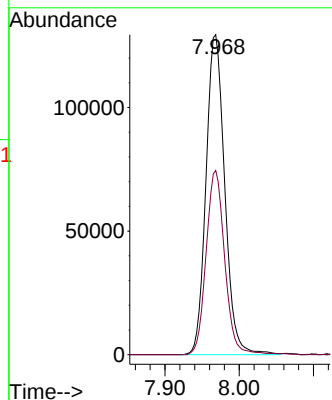
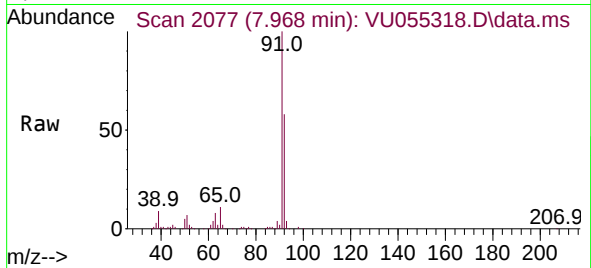
ClientSampleId :

Tgt Ion: 91 Resp: 226916

Ion Ratio Lower Upper

91 100

92 57.6 41.9 77.9



#44

trans-1,3-Dichloropropene

Concen: 5.702 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VU055318.D

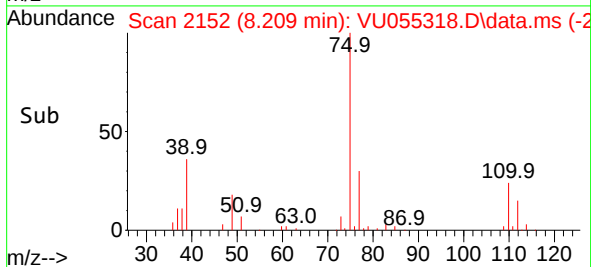
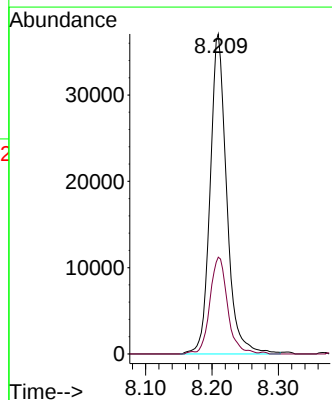
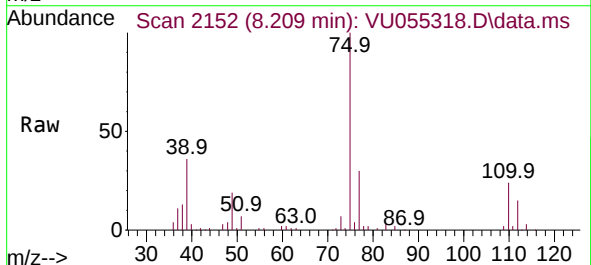
Acq: 14 Sep 2023 20:07

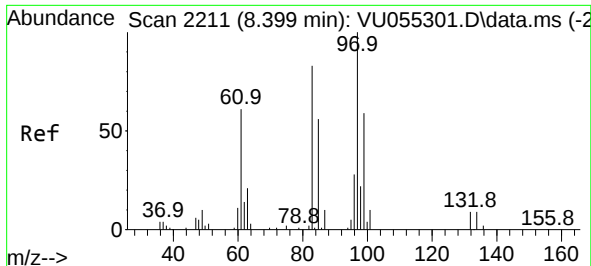
Tgt Ion: 75 Resp: 64371

Ion Ratio Lower Upper

75 100

77 30.2 20.5 38.1

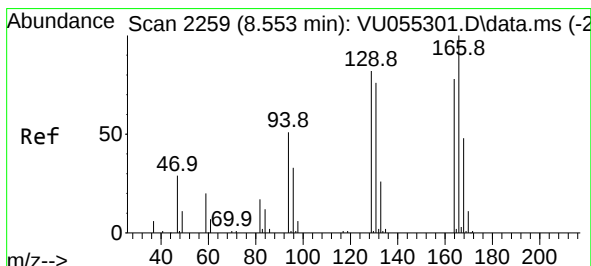
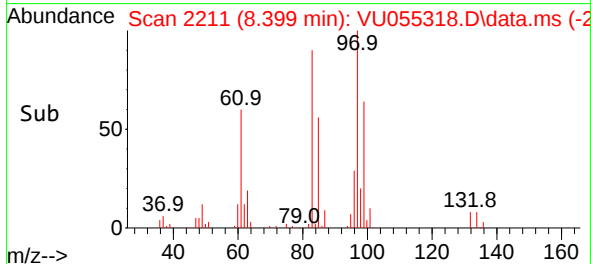
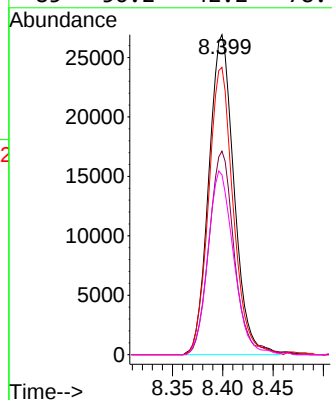
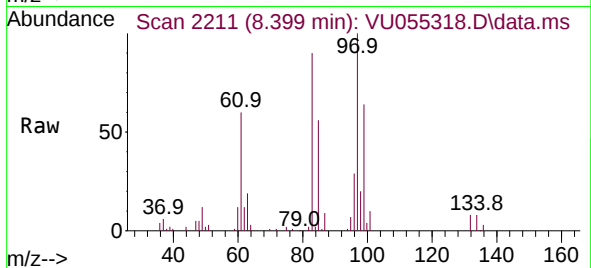




#45
1,1,2-Trichloroethane
Concen: 6.588 ug/L
RT: 8.399 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU055318.D
Acq: 14 Sep 2023 20:07

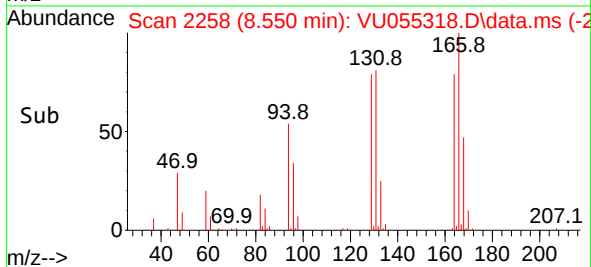
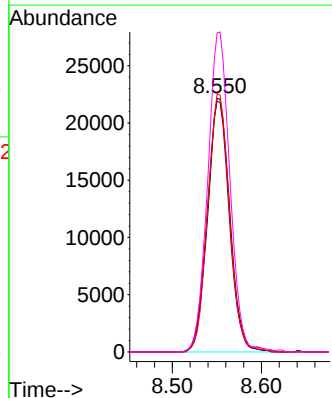
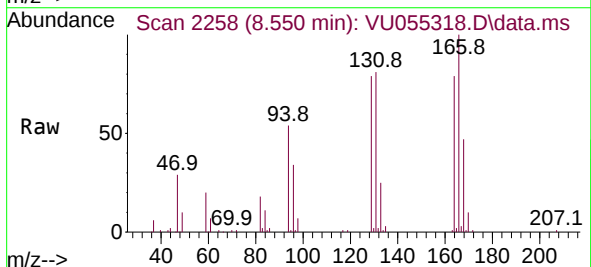
Instrument :
MSVOA_U
ClientSampleId :

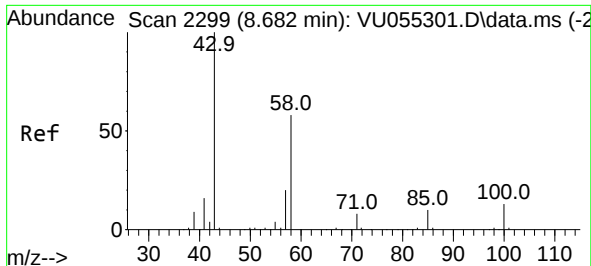
Tgt Ion:	97	Resp:	46924
Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.9	83.5
83	89.8	66.9	124.3
85	56.2	42.2	78.4



#47
Tetrachloroethene
Concen: 5.137 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.003 min
Lab File: VU055318.D
Acq: 14 Sep 2023 20:07

Tgt Ion:	164	Resp:	38326
Ion	Ratio	Lower	Upper
164	100		
129	98.9	69.2	128.6
131	101.8	68.8	127.8
166	125.8	92.3	171.5



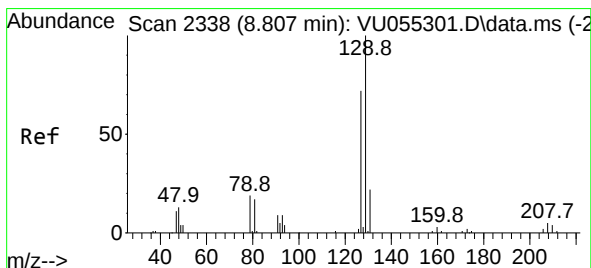
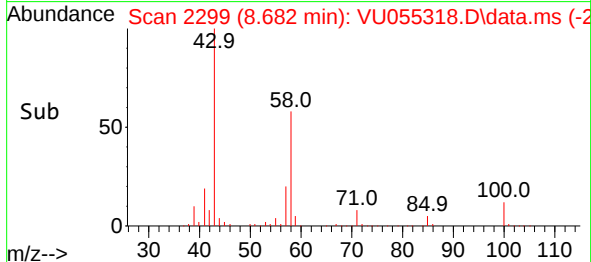
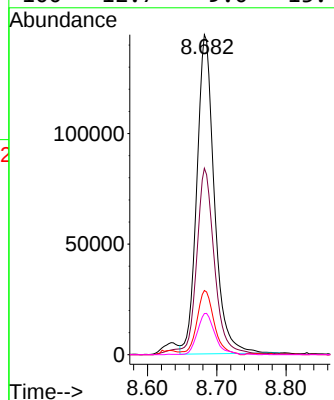
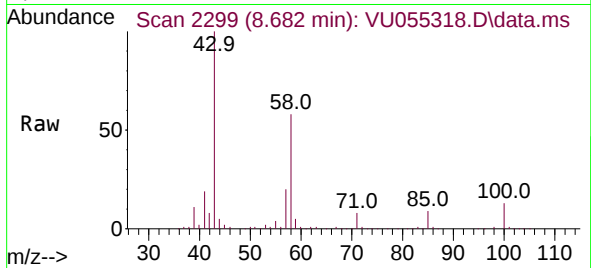


#48
2-Hexanone
Concen: 53.980 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VU055318.D
Acq: 14 Sep 2023 20:07

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 255033

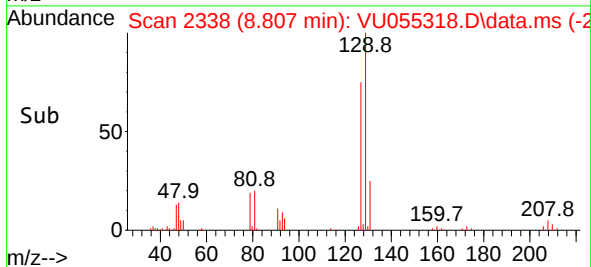
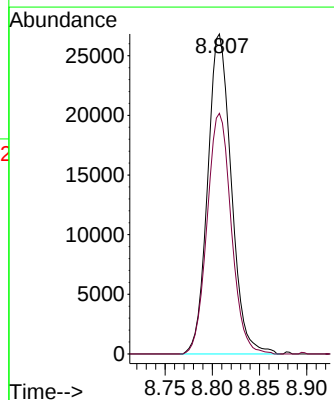
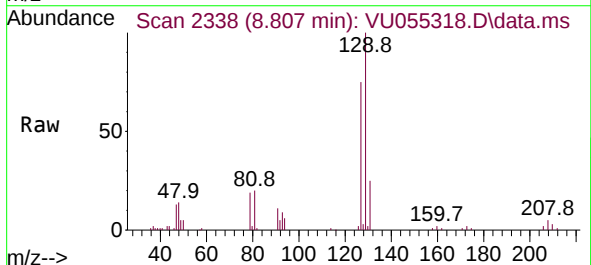
Ion	Ratio	Lower	Upper
43	100		
58	60.2	44.0	66.0
57	19.7	16.2	24.2
100	12.7	9.0	13.4

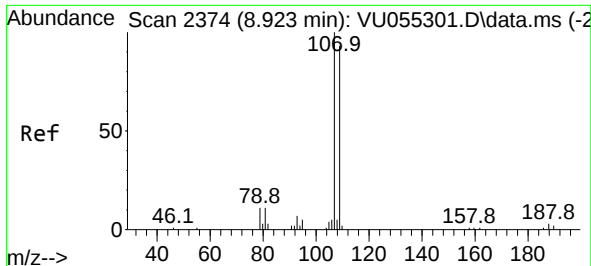


#49
Dibromochloromethane
Concen: 6.003 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU055318.D
Acq: 14 Sep 2023 20:07

Tgt Ion: 129 Resp: 46673

Ion	Ratio	Lower	Upper
129	100		
127	75.2	55.9	103.7





#50

1,2-Dibromoethane

Concen: 6.627 ug/L

RT: 8.923 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055318.D

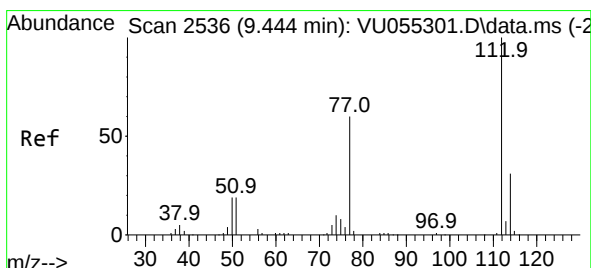
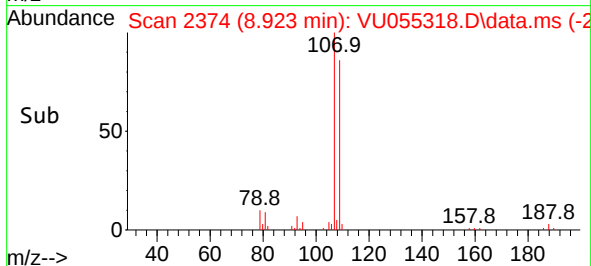
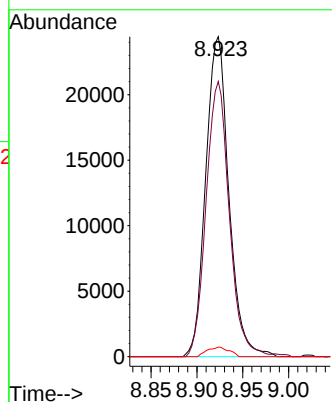
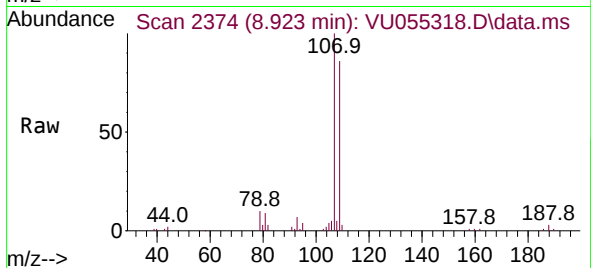
Acq: 14 Sep 2023 20:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	42982
Ion	Ratio	Lower	Upper
107	100		
109	86.0	71.4	132.6
188	3.0	3.1	4.7#



#51

Chlorobenzene

Concen: 5.513 ug/L

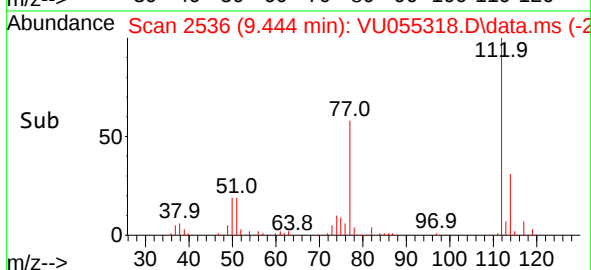
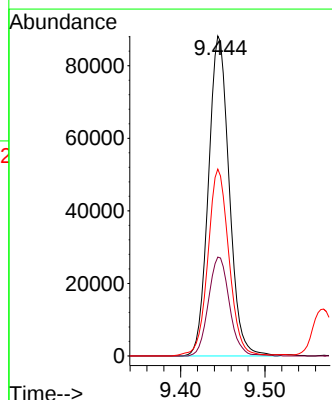
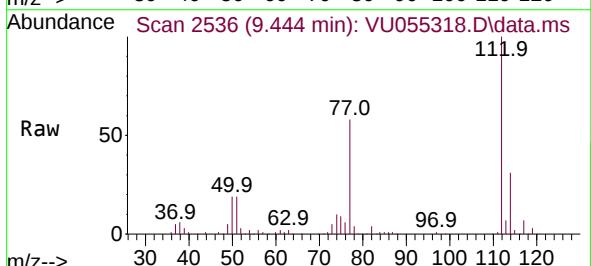
RT: 9.444 min Scan# 2536

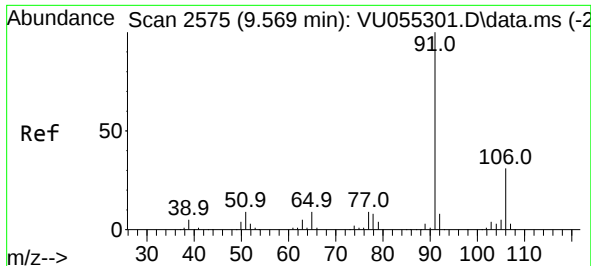
Delta R.T. 0.000 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

Tgt Ion:	112	Resp:	151179
Ion	Ratio	Lower	Upper
112	100		
114	30.9	21.7	40.3
77	58.4	48.6	72.8

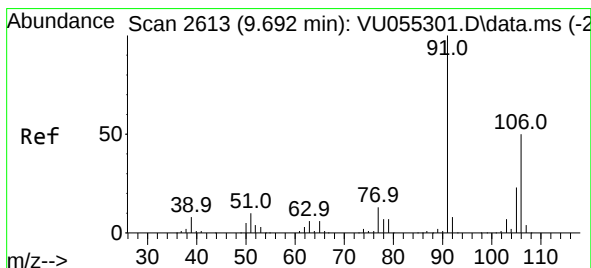
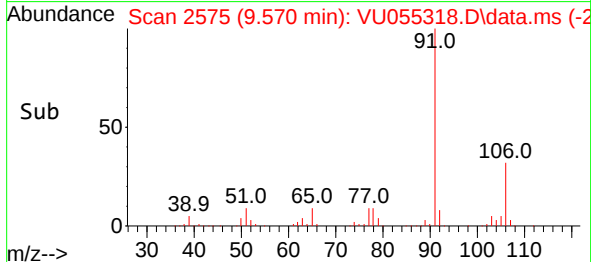
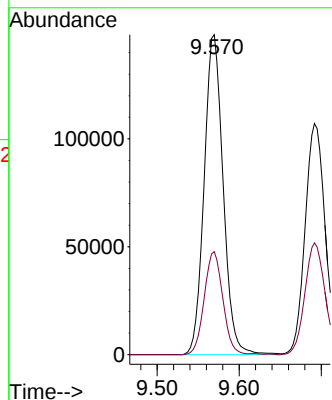
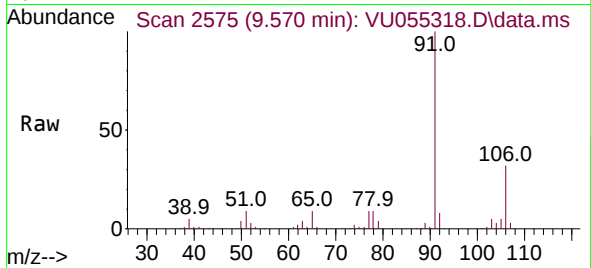




#52
Ethylbenzene
Concen: 5.157 ug/L
RT: 9.570 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055318.D
Acq: 14 Sep 2023 20:07

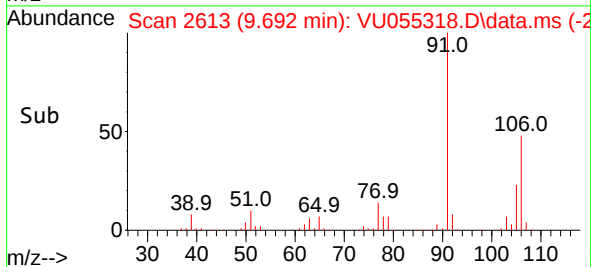
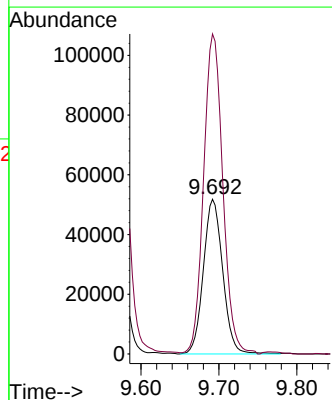
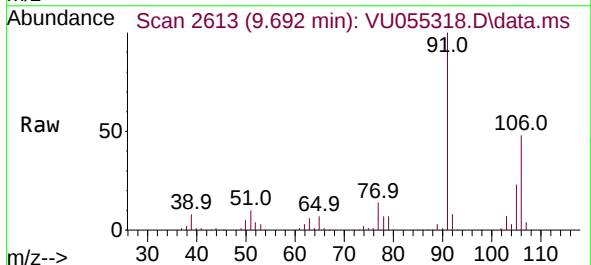
Instrument :
MSVOA_U
ClientSampleId :

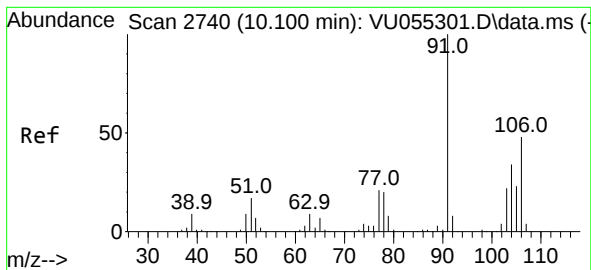
Tgt Ion: 91 Resp: 238884
Ion Ratio Lower Upper
91 100
106 32.2 21.5 39.9



#53
m,p-Xylene
Concen: 5.229 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055318.D
Acq: 14 Sep 2023 20:07

Tgt Ion:106 Resp: 89623
Ion Ratio Lower Upper
106 100
91 206.8 148.3 275.5





#54

o-Xylene

Concen: 5.360 ug/L

RT: 10.097 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

Instrument :

MSVOA_U

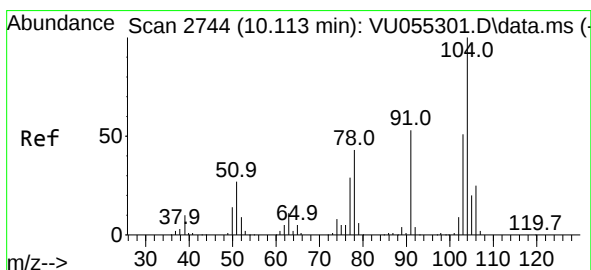
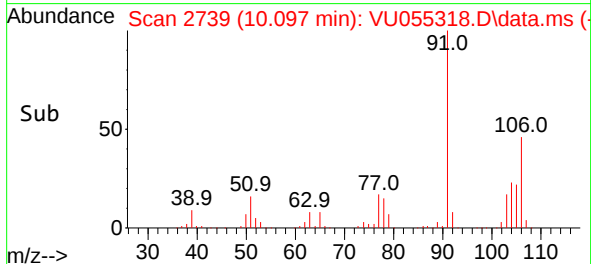
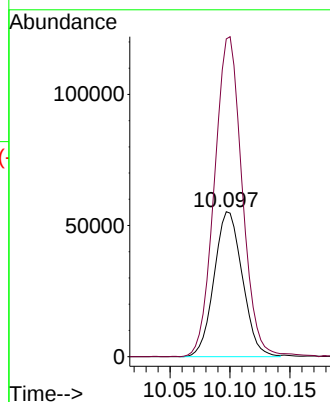
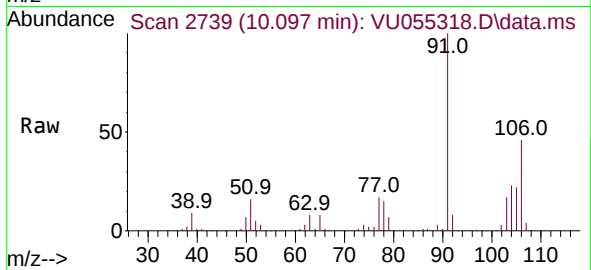
ClientSampleId :

Tgt Ion:106 Resp: 90412

Ion Ratio Lower Upper

106 100

91 219.1 152.9 284.1



#55

Styrene

Concen: 5.561 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.000 min

Lab File: VU055318.D

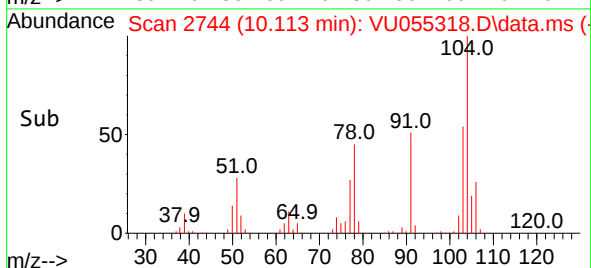
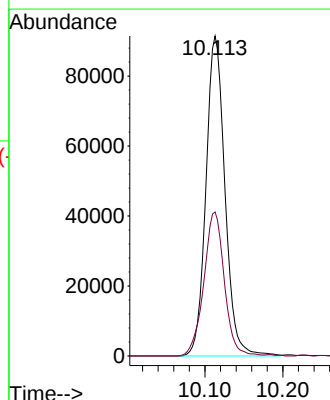
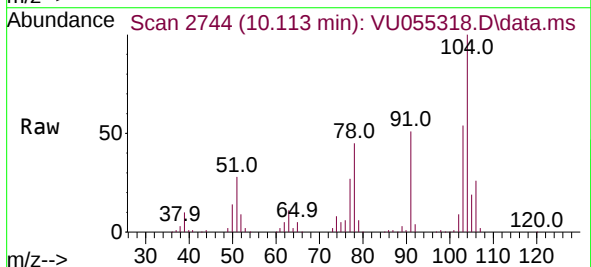
Acq: 14 Sep 2023 20:07

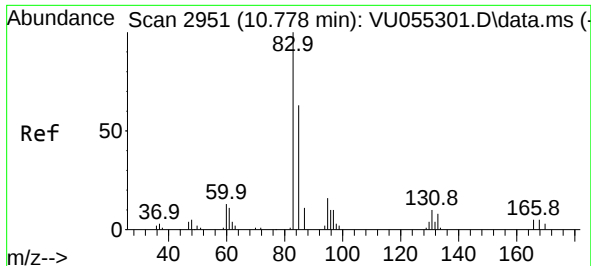
Tgt Ion:104 Resp: 154904

Ion Ratio Lower Upper

104 100

78 45.0 32.8 61.0





#57

1,1,2,2-Tetrachloroethane

Concen: 6.001 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VU055318.D

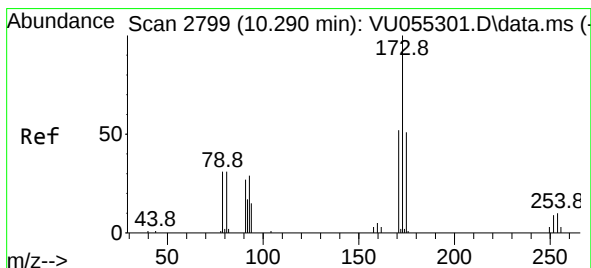
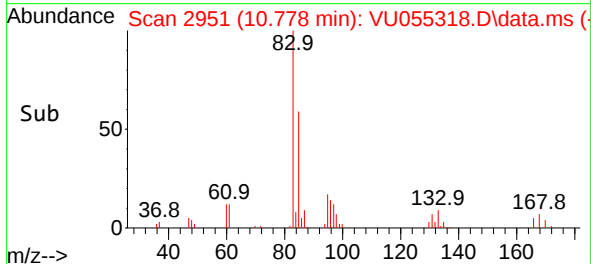
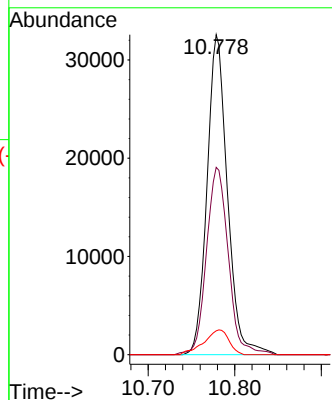
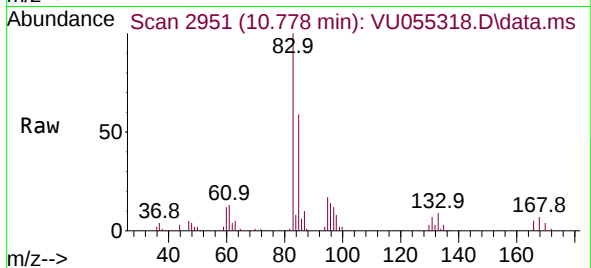
Acq: 14 Sep 2023 20:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	53235
Ion Ratio	Lower	Upper	
83	100		
85	58.6	42.4	78.6
131	7.4	7.6	11.4#



#59

Bromoform

Concen: 6.078 ug/L

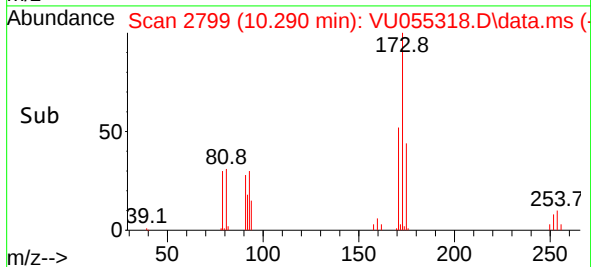
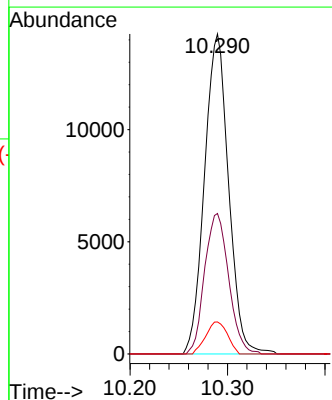
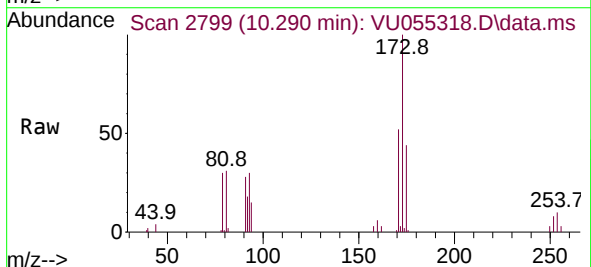
RT: 10.290 min Scan# 2799

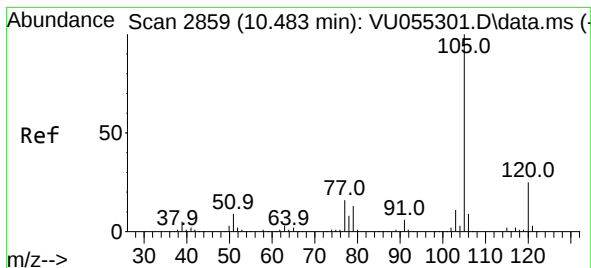
Delta R.T. 0.000 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

Tgt Ion:	173	Resp:	24481
Ion Ratio	Lower	Upper	
173	100		
175	43.8	40.9	61.3
254	9.0	7.0	10.4





#60

Isopropylbenzene

Concen: 5.114 ug/L

RT: 10.483 min Scan# 2859

Delta R.T. 0.000 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

Instrument :

MSVOA_U

ClientSampleId :

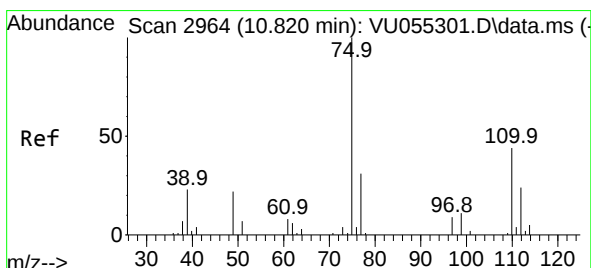
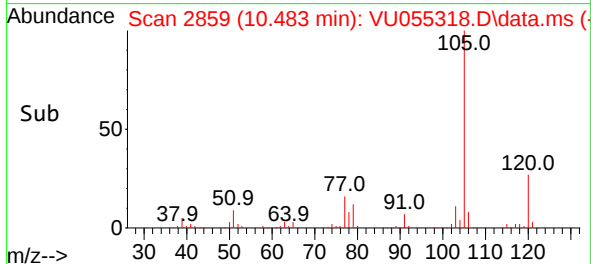
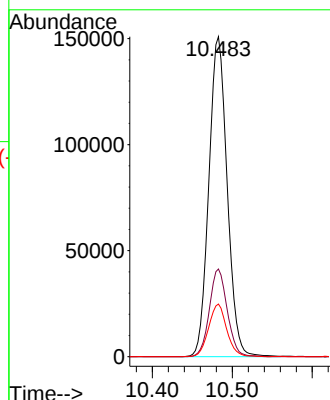
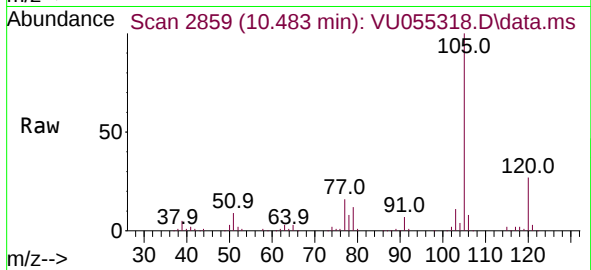
Tgt Ion:105 Resp: 240411

Ion Ratio Lower Upper

105 100

120 26.8 20.1 30.1

77 16.3 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 6.171 ug/L

RT: 10.820 min Scan# 2964

Delta R.T. 0.000 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

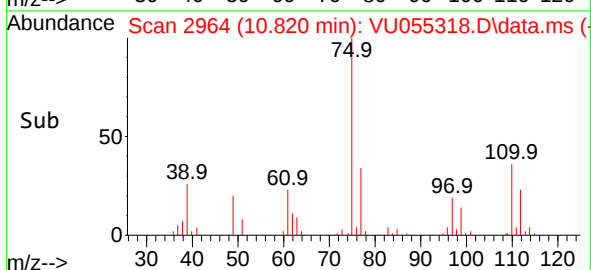
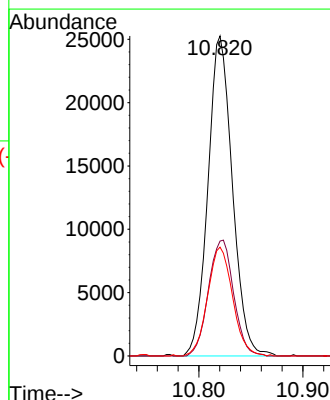
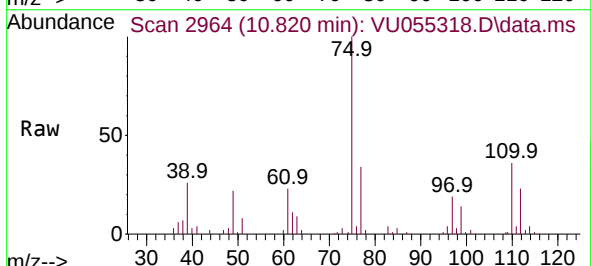
Tgt Ion: 75 Resp: 41284

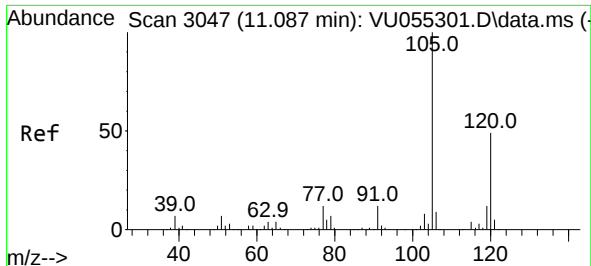
Ion Ratio Lower Upper

75 100

110 37.4 28.2 42.2

77 34.8 26.2 39.4





#62

1,3,5-Trimethylbenzene

Concen: 4.949 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

Instrument :

MSVOA_U

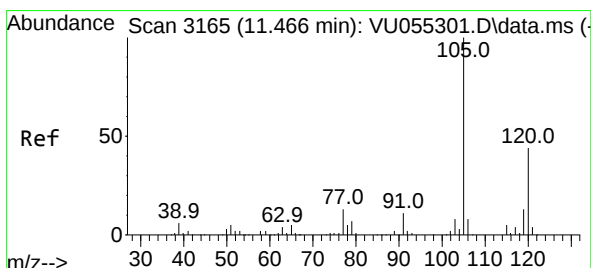
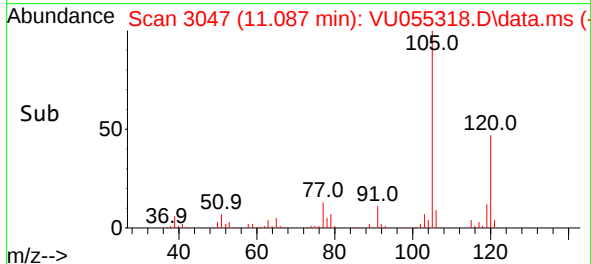
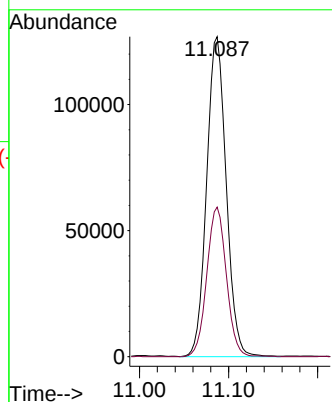
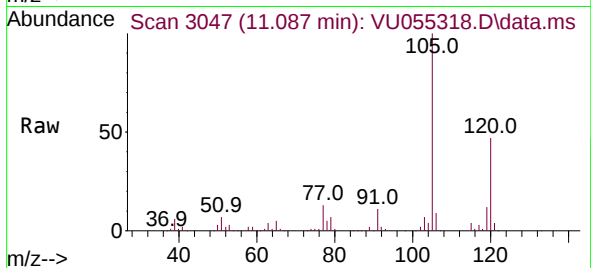
ClientSampleId :

Tgt Ion:105 Resp: 193553

Ion Ratio Lower Upper

105 100

120 46.8 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 4.778 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VU055318.D

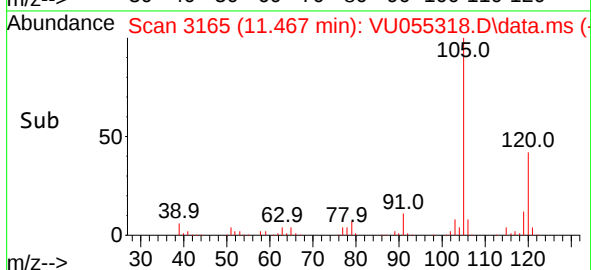
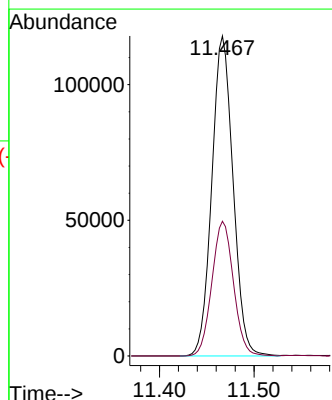
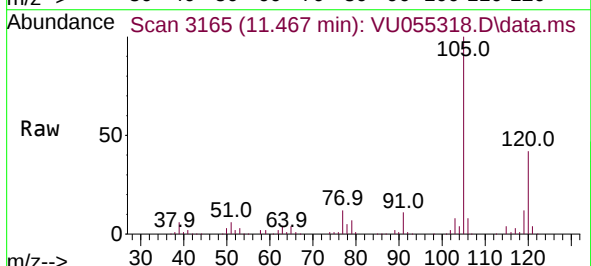
Acq: 14 Sep 2023 20:07

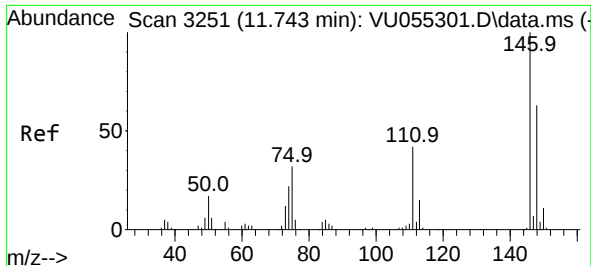
Tgt Ion:105 Resp: 184167

Ion Ratio Lower Upper

105 100

120 42.7 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 5.136 ug/L

RT: 11.743 min Scan# 31

Delta R.T. 0.000 min

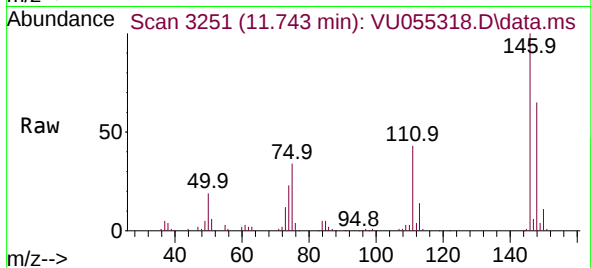
Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

Instrument :

MSVOA_U

ClientSampleId :



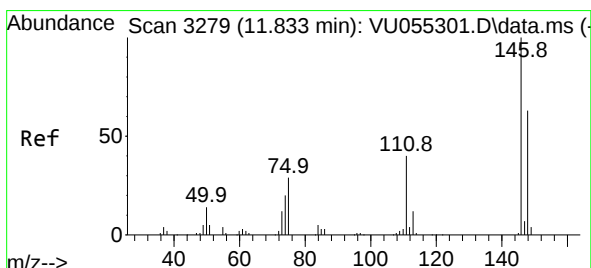
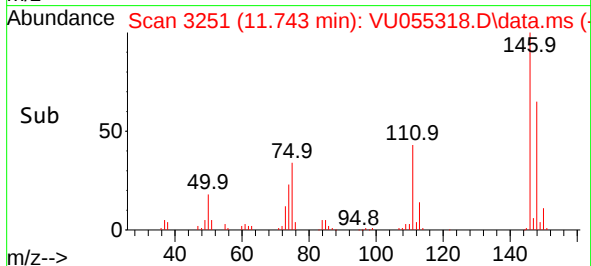
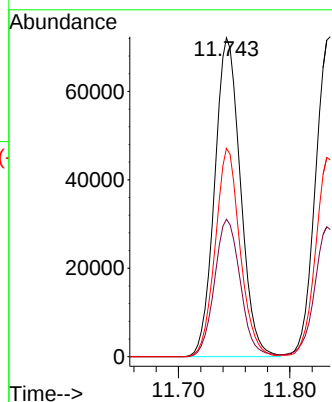
Tgt Ion:146 Resp: 115919

Ion Ratio Lower Upper

146 100

111 43.1 30.0 55.6

148 65.4 45.2 84.0



#65

1,4-Dichlorobenzene

Concen: 5.208 ug/L

RT: 11.836 min Scan# 3280

Delta R.T. 0.003 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

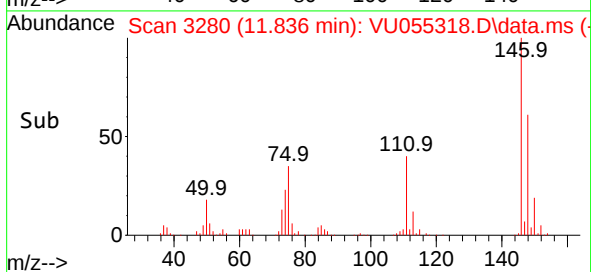
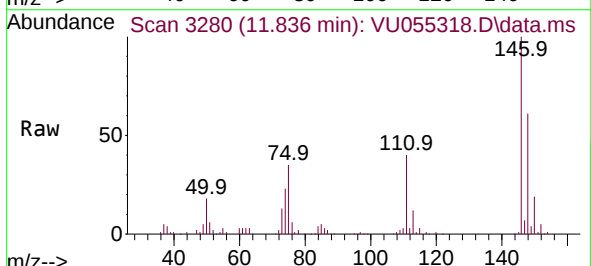
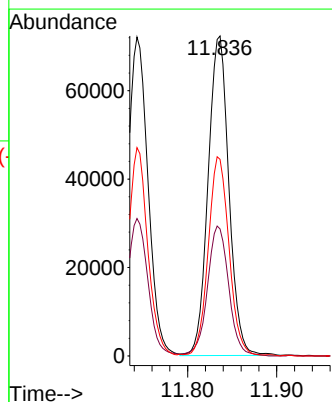
Tgt Ion:146 Resp: 117142

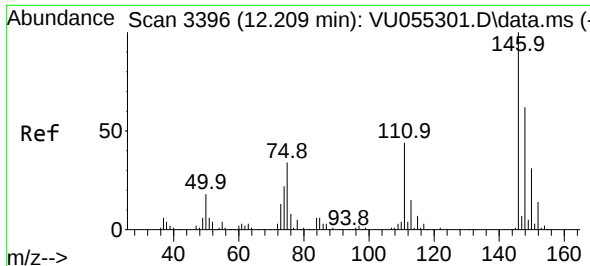
Ion Ratio Lower Upper

146 100

111 39.7 28.1 52.1

148 61.4 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 5.278 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

Instrument :

MSVOA_U

ClientSampleId :

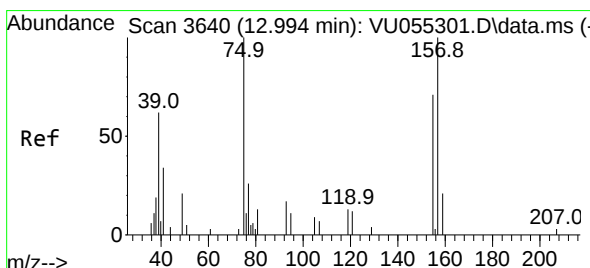
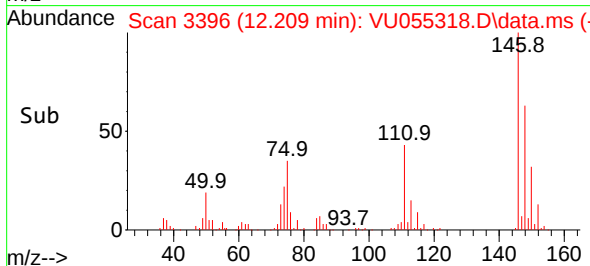
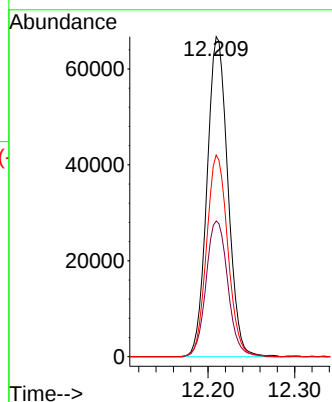
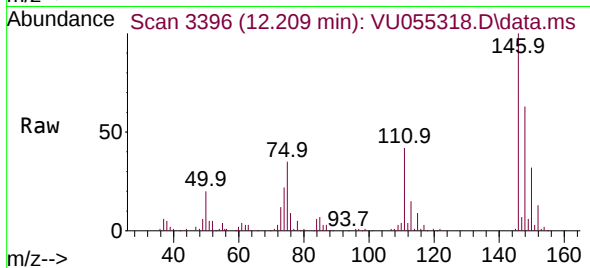
Tgt Ion:146 Resp: 111667

Ion Ratio Lower Upper

146 100

111 42.4 35.6 53.4

148 63.0 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.211 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

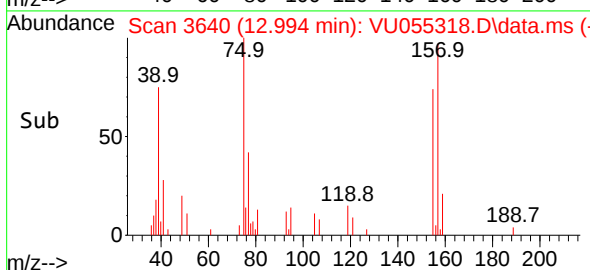
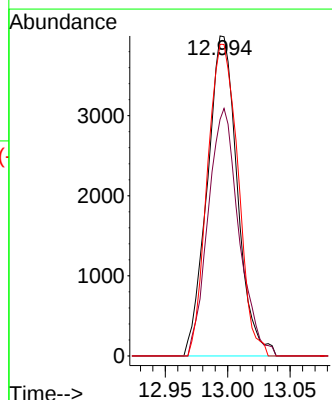
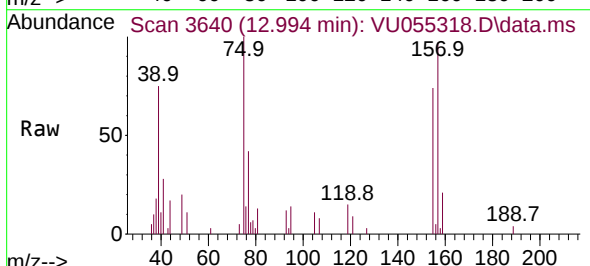
Tgt Ion: 75 Resp: 6716

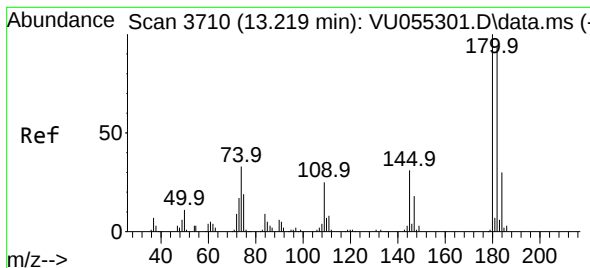
Ion Ratio Lower Upper

75 100

155 73.9 61.1 91.7

157 97.4 66.8 100.2





#69

1,3,5-Trichlorobenzene

Concen: 4.548 ug/L

RT: 13.219 min Scan# 3710

Delta R.T. 0.000 min

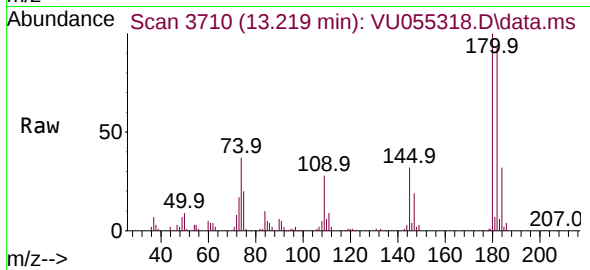
Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 77568

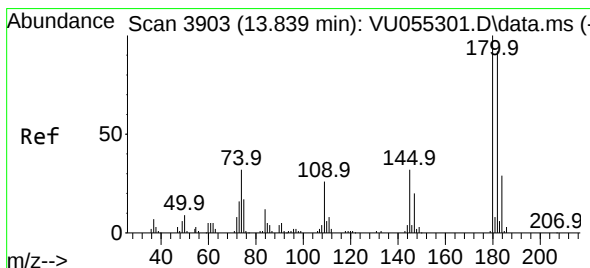
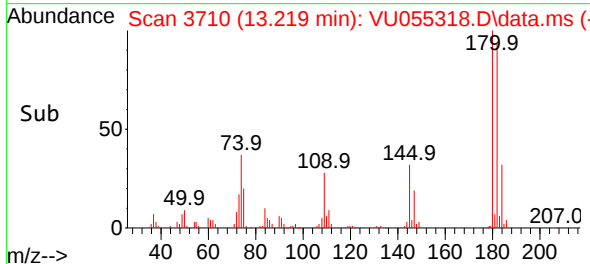
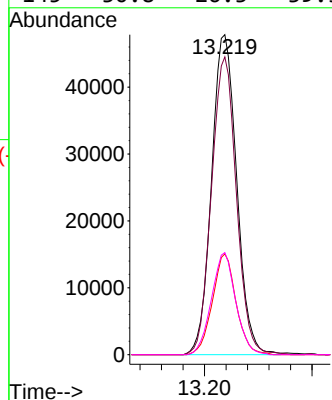
Ion Ratio Lower Upper

180 100

182 92.2 75.8 113.6

184 29.7 24.0 36.0

145 30.8 26.3 39.5



#70

1,2,4-trichlorobenzene

Concen: 3.611 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.000 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

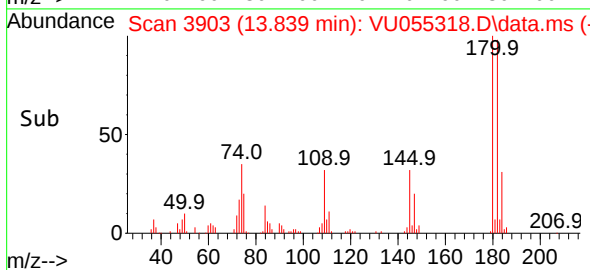
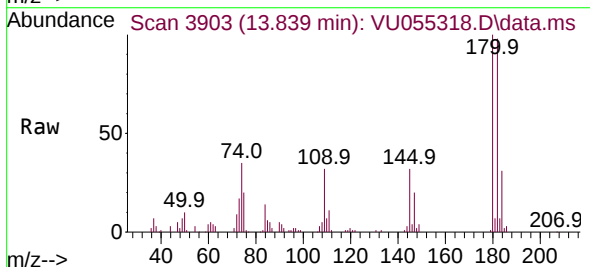
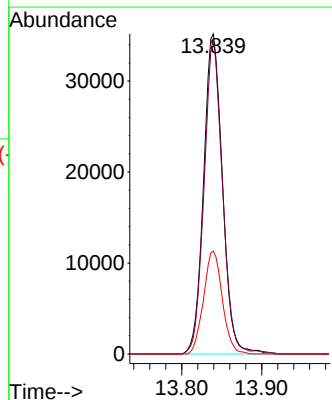
Tgt Ion:180 Resp: 57746

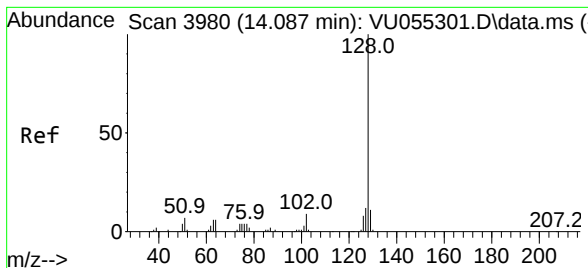
Ion Ratio Lower Upper

180 100

182 96.0 73.6 110.4

145 32.0 25.8 38.8





#71

Naphthalene

Concen: 3.218 ug/L

RT: 14.087 min Scan# 3980

Delta R.T. 0.000 min

Lab File: VU055318.D

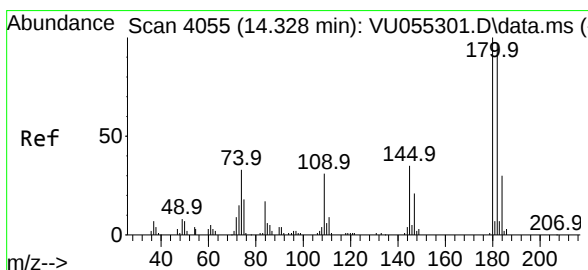
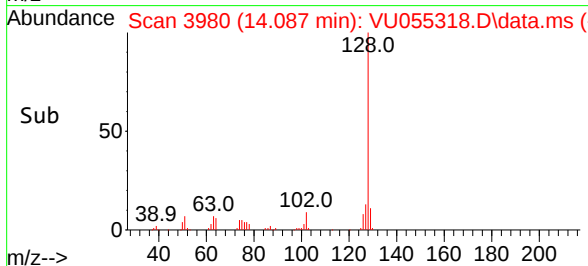
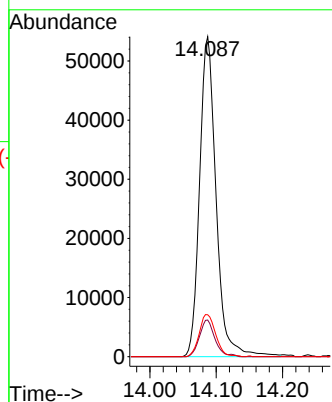
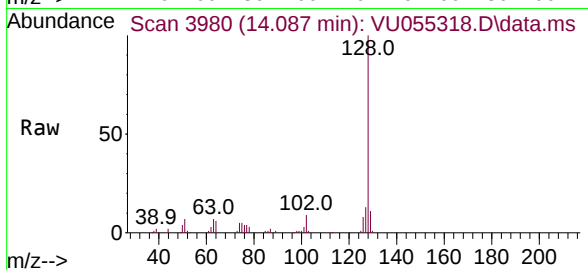
Acq: 14 Sep 2023 20:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:128	Resp:	93546
Ion Ratio	Lower	Upper
128	100	
129	10.7	8.2 12.2
127	13.2	10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 3.795 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.000 min

Lab File: VU055318.D

Acq: 14 Sep 2023 20:07

Tgt Ion:180	Resp:	52676
Ion Ratio	Lower	Upper
180	100	
182	97.1	75.6 113.4
145	35.7	27.0 40.6

