

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062023\
 Data File : VU054629.D
 Acq On : 20 Jun 2023 22:50
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005192

Quant Time: Jun 21 04:07:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 21 04:02:18 2023
 Response via : Initial Calibration

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

Internal Standards							
1) 1,4-Difluorobenzene		6.245	114	330909	5.000	ug/L	0.00
28) Chlorobenzene-d5		9.412	117	310798	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4		11.807	152	164849	5.000	ug/L	0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3		1.599	65	146339	6.949	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130		Recovery	= 139.000%	#	
7) Chloroethane-d5		1.914	69	112524	5.707	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130		Recovery	= 114.200%		
11) 1,1-Dichloroethene-d2		2.567	65	56587	6.016	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125		Recovery	= 120.400%		
20) 2-Butanone-d5		4.628	46	307674	51.963	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130		Recovery	= 103.920%		
24) Chloroform-d		5.058	84	222654	5.058	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125		Recovery	= 101.200%		
26) 1,2-Dichloroethane-d4		5.698	65	110349	5.142	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130		Recovery	= 102.800%		
32) Benzene-d6		5.724	84	440702	5.101	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125		Recovery	= 102.000%		
36) 1,2-Dichloropropane-d6		6.685	67	142948	4.954	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140		Recovery	= 99.000%		
41) Toluene-d8		7.894	98	400480	5.223	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130		Recovery	= 104.400%		
43) trans-1,3-Dichloroprop...		8.174	79	53399	5.322	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130		Recovery	= 106.400%		
46) 2-Hexanone-d5		8.627	63	210993	50.124	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130		Recovery	= 100.240%		
56) 1,1,2,2-Tetrachloroeth...		10.750	84	105617	4.909	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120		Recovery	= 98.200%		
66) 1,2-Dichlorobenzene-d4		12.187	152	132675	4.772	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120		Recovery	= 95.400%		
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane		1.383	85	128003	4.140	ug/L	99
3) Chloromethane		1.522	50	151313	4.260	ug/L	99
5) Vinyl chloride		1.605	62	163122	4.474	ug/L	100
6) Bromomethane		1.859	94	84222	4.202	ug/L	98
8) Chloroethane		1.933	64	103662	4.744	ug/L	98
9) Trichlorofluoromethane		2.139	101	204240	4.557	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...		2.579	101	120229	4.585	ug/L	98
12) 1,1-Dichloroethene		2.579	96	107981	4.499	ug/L #	79
13) Acetone		2.641	43	211286	37.846	ug/L	98
14) Carbon disulfide		2.792	76	302485	4.250	ug/L	100
15) Methyl Acetate		2.952	43	55573	5.372	ug/L	93
16) Methylene chloride		3.042	84	148008	4.385	ug/L	94
17) Methyl tert-butyl Ether		3.361	73	279941	4.725	ug/L	98
18) trans-1,2-Dichloroethene		3.351	96	109899	4.435	ug/L	92
19) 1,1-Dichloroethane		3.866	63	260623	5.082	ug/L	99
21) 2-Butanone		4.708	43	358059	49.419	ug/L	97
22) cis-1,2-Dichloroethene		4.663	96	133528	4.732	ug/L	95
23) Bromochloromethane		4.972	128	56295	4.794	ug/L	94
25) Chloroform		5.084	83	246132	4.868	ug/L	96

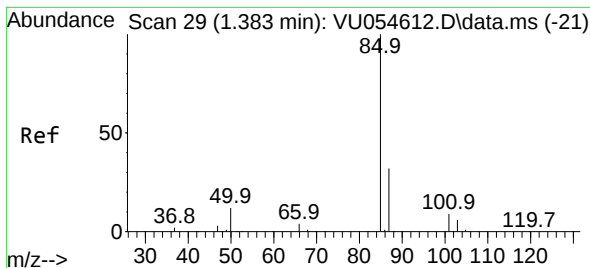
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062023\
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	152284	5.139	ug/L #	95
29) 1,1,1-Trichloroethane	5.312	97	201686	4.786	ug/L	96
30) Cyclohexane	5.383	56	203489	4.433	ug/L	98
31) Carbon tetrachloride	5.521	117	168078	4.628	ug/L	99
33) Benzene	5.769	78	526776	4.716	ug/L	100
34) Trichloroethene	6.537	95	134895	4.567	ug/L	92
35) Methylcyclohexane	6.759	83	188581	4.224	ug/L	97
37) 1,2-Dichloropropane	6.785	63	151193	5.006	ug/L	99
38) Bromodichloromethane	7.100	83	176503	5.163	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	195664	4.745	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	884326	54.869	ug/L	96
42) Toluene	7.965	91	552346	4.802	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	162542	4.857	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	94152	4.900	ug/L	98
47) Tetrachloroethene	8.550	164	94950	4.200	ug/L	98
48) 2-Hexanone	8.679	43	629164	52.391	ug/L	98
49) Dibromochloromethane	8.804	129	102668	5.089	ug/L	98
50) 1,2-Dibromoethane	8.920	107	87375	4.953	ug/L	97
51) Chlorobenzene	9.441	112	335037	4.673	ug/L	99
52) Ethylbenzene	9.566	91	596882	4.751	ug/L	99
53) m,p-Xylene	9.688	106	220855	4.786	ug/L	96
54) o-Xylene	10.097	106	211987	4.750	ug/L	98
55) Styrene	10.110	104	370704	4.949	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	123270	5.051	ug/L	98
59) Bromoform	10.287	173	62129	5.250	ug/L	99
60) Isopropylbenzene	10.479	105	584535	4.847	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	83363	5.004	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	463715	4.713	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	465652	4.660	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	274413	4.868	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	269236	4.759	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	251076	4.843	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	18997	5.189	ug/L	92
69) 1,3,5-Trichlorobenzene	13.212	180	199678	4.695	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	163174	4.640	ug/L	99
71) Naphthalene	14.081	128	253195	4.428	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	140910	4.664	ug/L	99

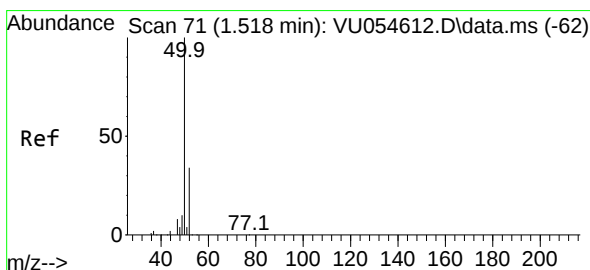
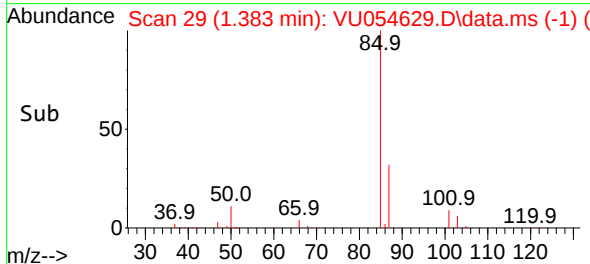
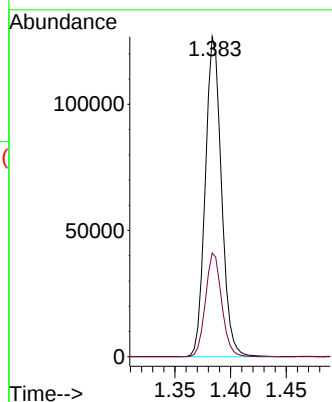
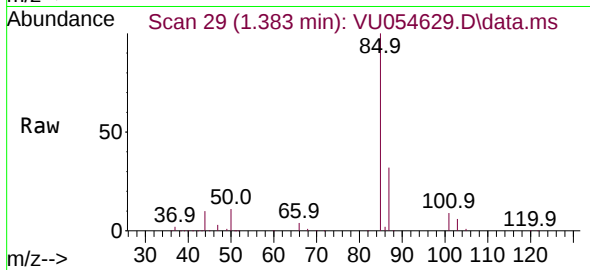
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#2
Dichlorodifluoromethane
Concen: 4.140 ug/L
RT: 1.383 min Scan# 29
Delta R.T. -0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

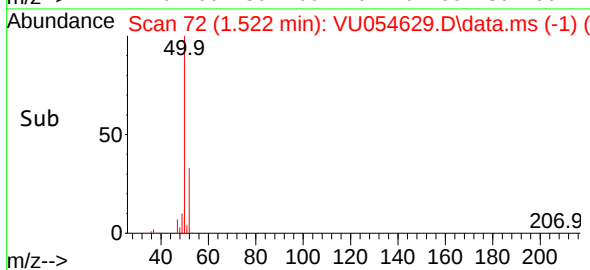
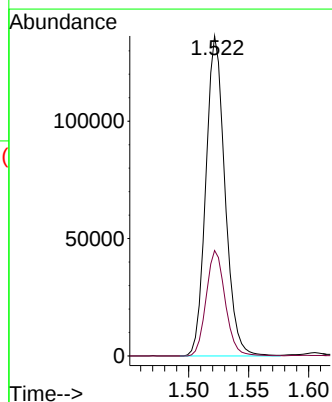
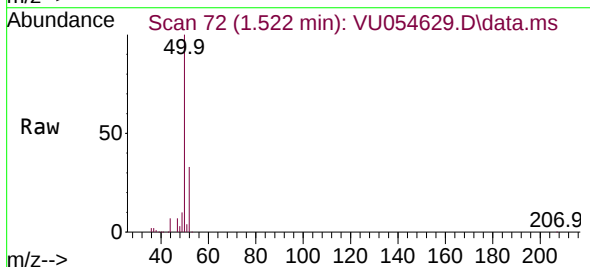
Instrument :
MSVOA_U
ClientSampleId :
VSTD005192

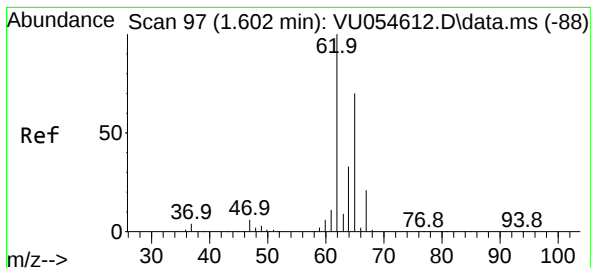
Tgt Ion: 85 Resp: 128003
Ion Ratio Lower Upper
85 100
87 32.4 25.4 38.2



#3
Chloromethane
Concen: 4.260 ug/L
RT: 1.522 min Scan# 72
Delta R.T. 0.003 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

Tgt Ion: 50 Resp: 151313
Ion Ratio Lower Upper
50 100
52 33.0 23.4 43.4





#5

Vinyl chloride

Concen: 4.474 ug/L

RT: 1.605 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU054629.D

Acq: 20 Jun 2023 22:50

Instrument :

MSVOA_U

ClientSampleId :

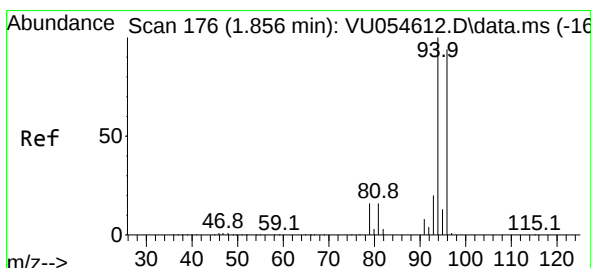
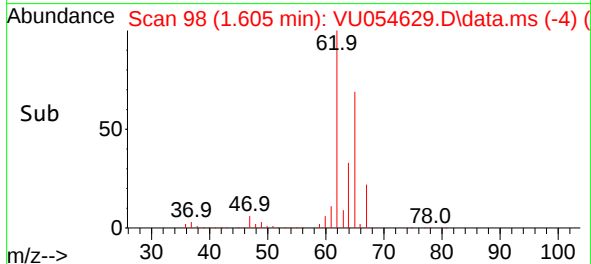
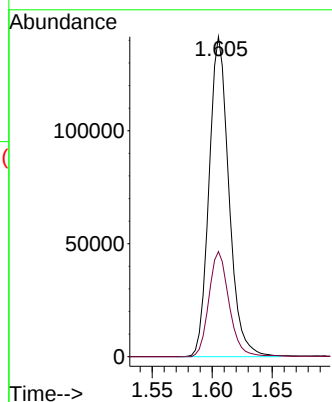
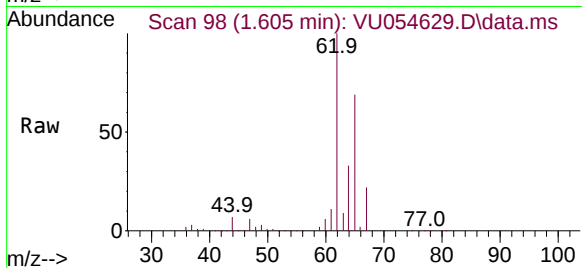
VSTD005192

Tgt Ion: 62 Resp: 163122

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.6



#6

Bromomethane

Concen: 4.202 ug/L

RT: 1.859 min Scan# 177

Delta R.T. 0.003 min

Lab File: VU054629.D

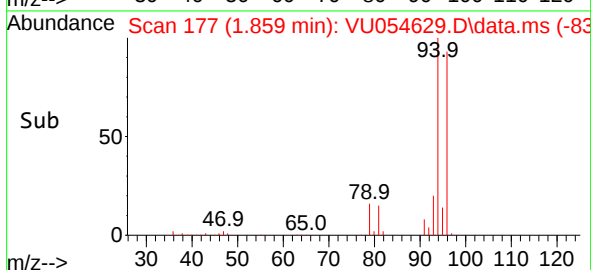
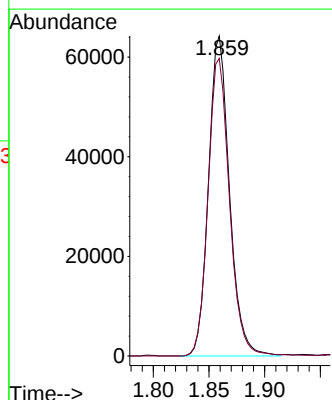
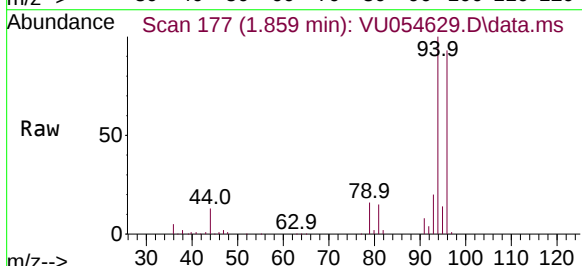
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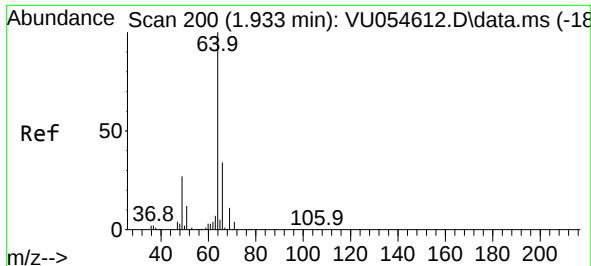
Tgt Ion: 94 Resp: 84222

Ion Ratio Lower Upper

94 100

96 93.0 63.6 118.2





#8

Chloroethane

Concen: 4.744 ug/L

RT: 1.933 min Scan# 200

Delta R.T. -0.000 min

Lab File: VU054629.D

Acq: 20 Jun 2023 22:50

Instrument :

MSVOA_U

ClientSampleId :

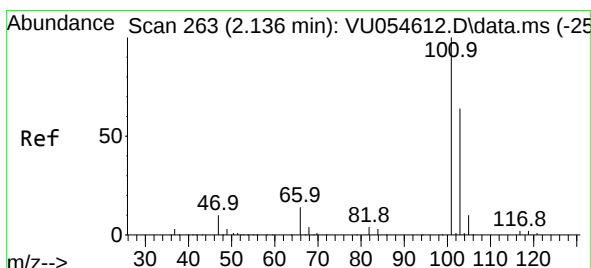
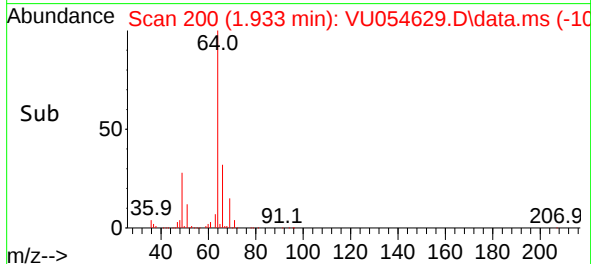
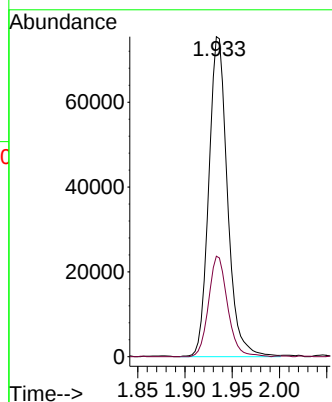
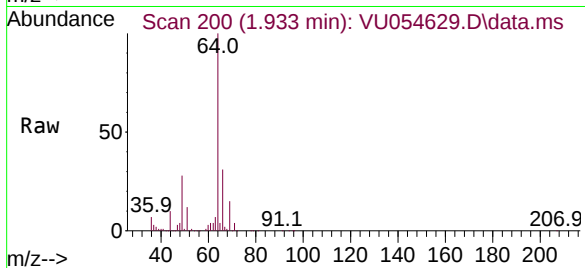
VSTD005192

Tgt Ion: 64 Resp: 103662

Ion Ratio Lower Upper

64 100

66 31.4 22.9 42.5



#9

Trichlorofluoromethane

Concen: 4.557 ug/L

RT: 2.139 min Scan# 264

Delta R.T. 0.003 min

Lab File: VU054629.D

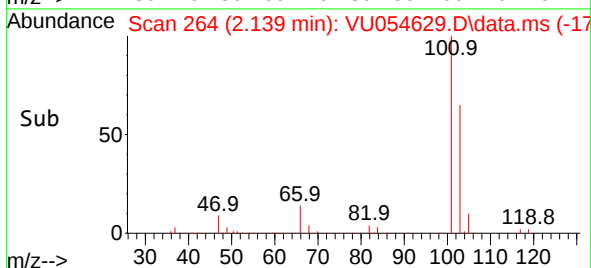
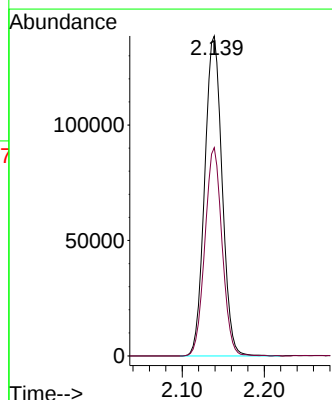
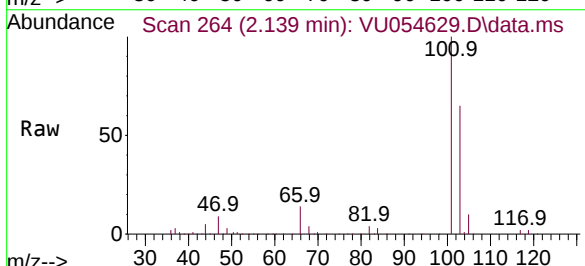
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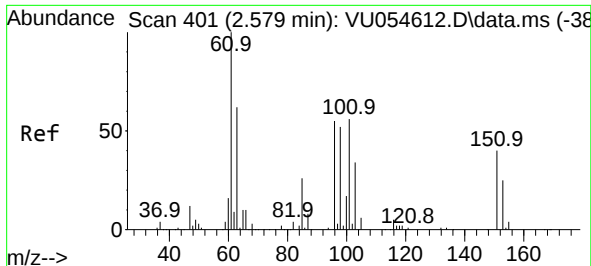
Tgt Ion:101 Resp: 204240

Ion Ratio Lower Upper

101 100

103 64.2 50.6 75.8

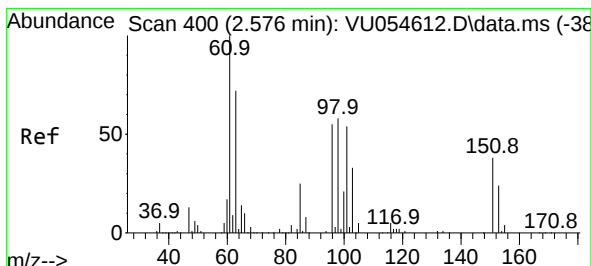
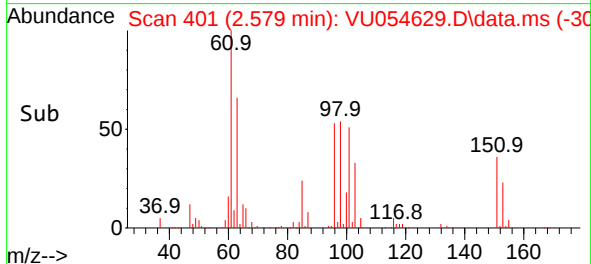
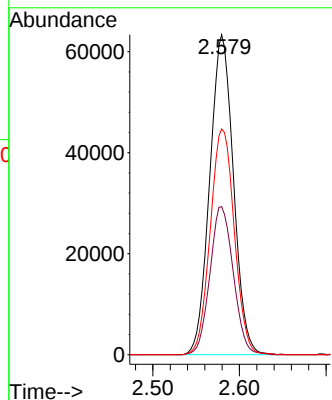
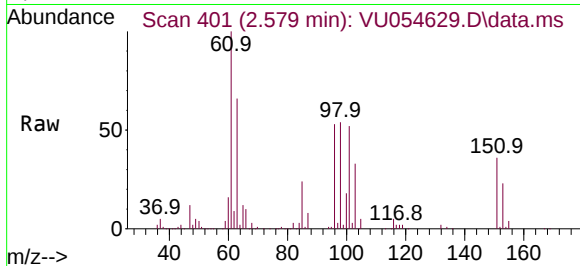




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.585 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU054629.D
 Acq: 20 Jun 2023 22:50

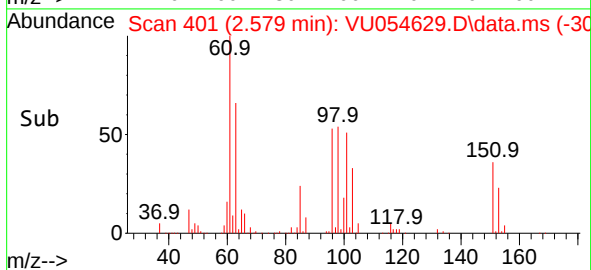
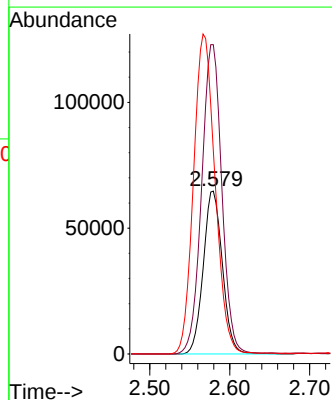
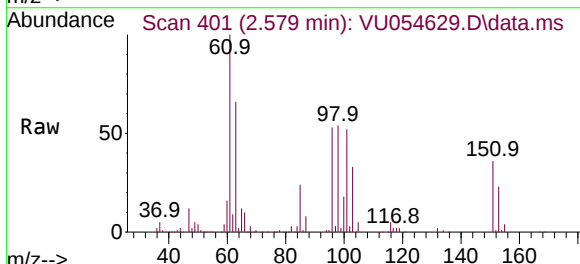
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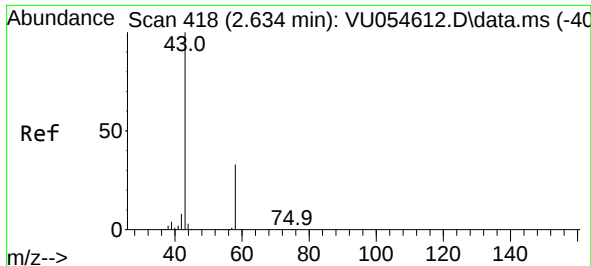
Tgt Ion: 101 Resp: 120229
 Ion Ratio Lower Upper
 101 100
 85 45.7 34.6 51.8
 151 71.7 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 4.499 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.003 min
 Lab File: VU054629.D
 Acq: 20 Jun 2023 22:50

Tgt Ion: 96 Resp: 107981
 Ion Ratio Lower Upper
 96 100
 61 189.8 119.9 222.7
 63 124.8 64.3 119.3#





#13

Acetone

Concen: 37.846 ug/L

RT: 2.641 min Scan# 418

Delta R.T. 0.006 min

Lab File: VU054629.D

Acq: 20 Jun 2023 22:50

Instrument :

MSVOA_U

ClientSampleId :

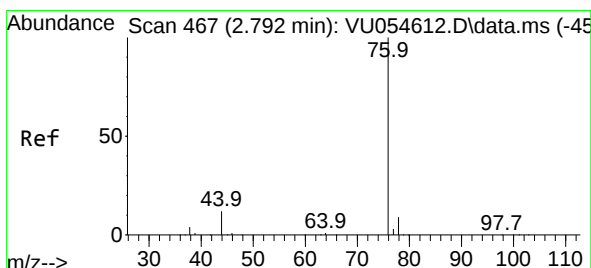
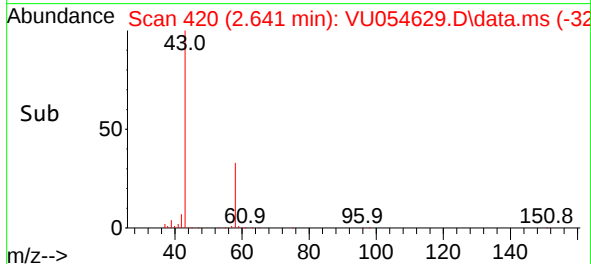
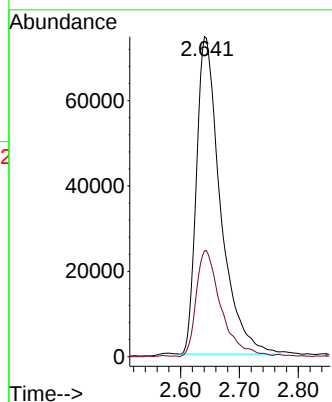
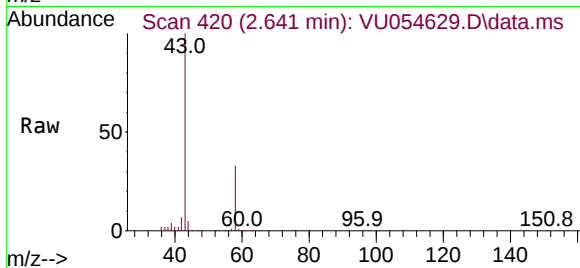
VSTD005192

Tgt Ion: 43 Resp: 211286

Ion Ratio Lower Upper

43 100

58 34.6 0.0 67.2



#14

Carbon disulfide

Concen: 4.250 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU054629.D

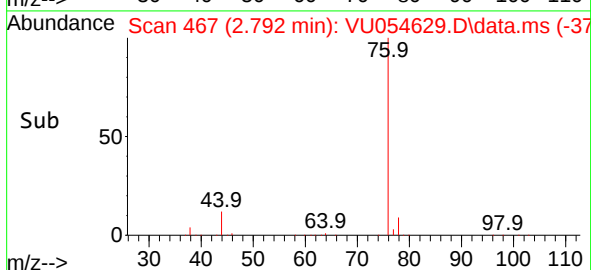
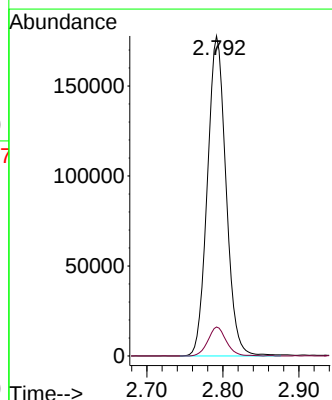
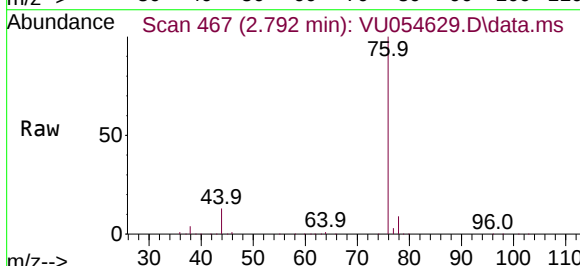
Acq: 20 Jun 2023 22:50

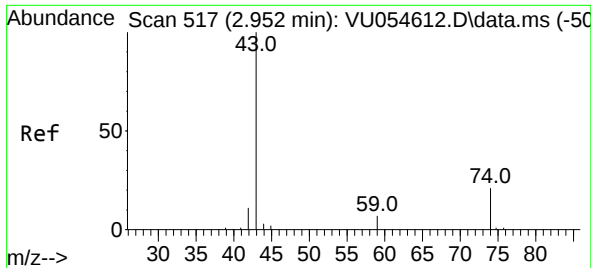
Tgt Ion: 76 Resp: 302485

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

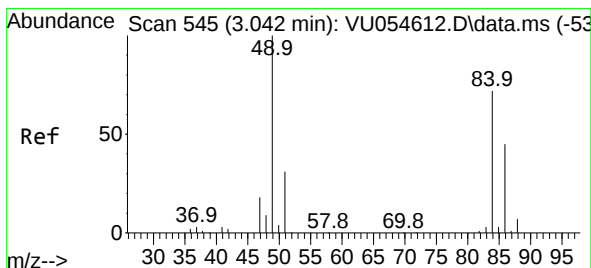
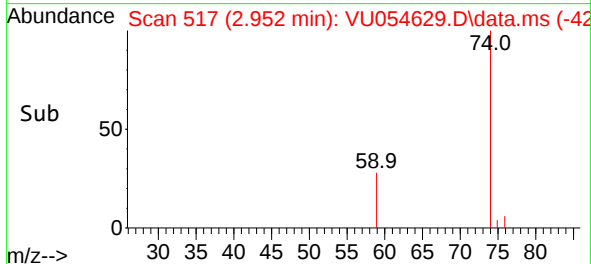
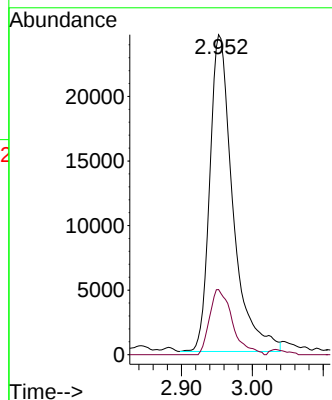
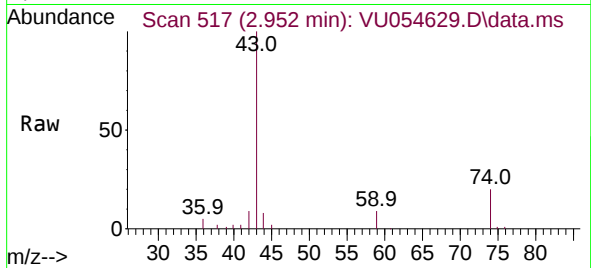




#15
Methyl Acetate
Concen: 5.372 ug/L
RT: 2.952 min Scan# 517
Delta R.T. -0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

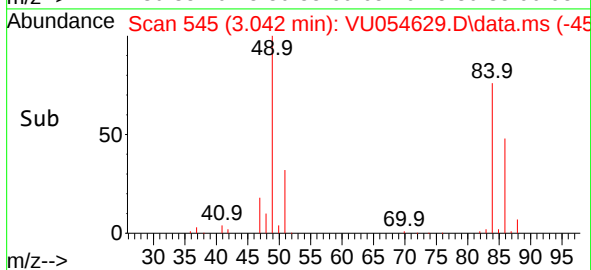
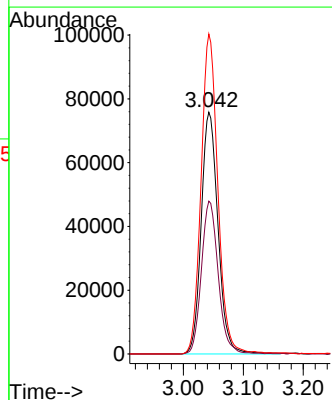
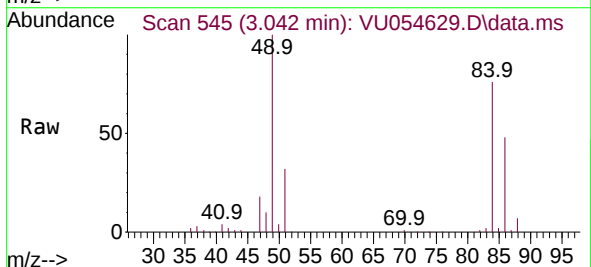
Instrument :
MSVOA_U
ClientSampleId :
VSTD005192

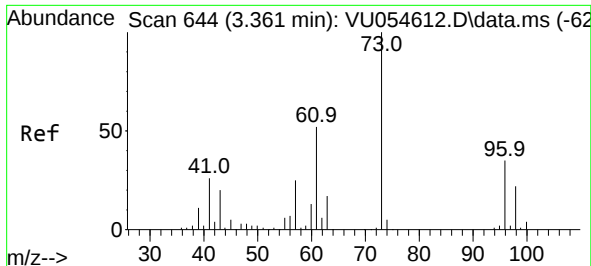
Tgt Ion: 43 Resp: 55573
Ion Ratio Lower Upper
43 100
74 20.2 19.0 28.6



#16
Methylene chloride
Concen: 4.385 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

Tgt Ion: 84 Resp: 148008
Ion Ratio Lower Upper
84 100
86 63.2 43.9 81.5
49 132.4 86.1 159.9

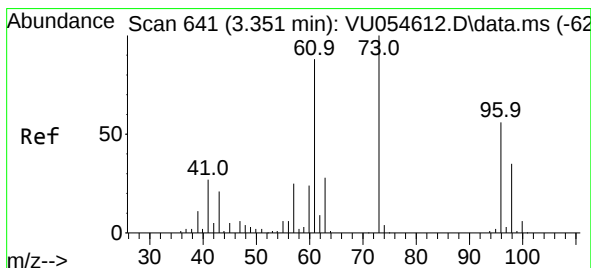
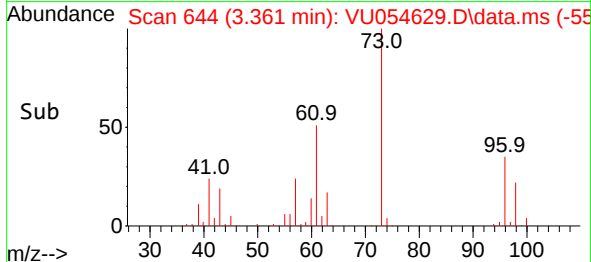
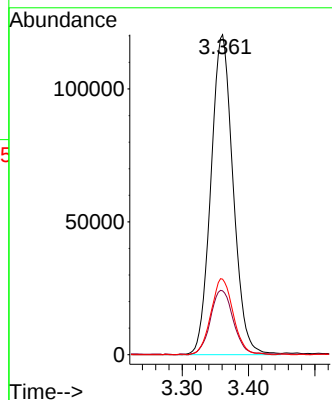
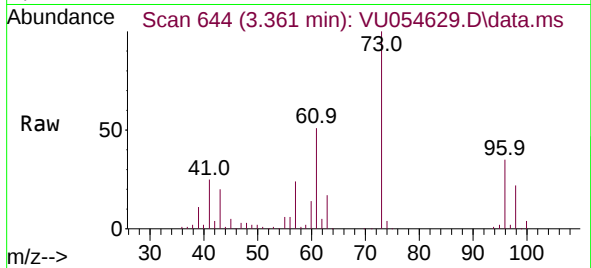




#17
Methyl tert-butyl Ether
Concen: 4.725 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

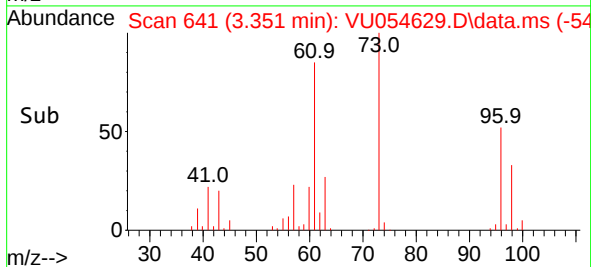
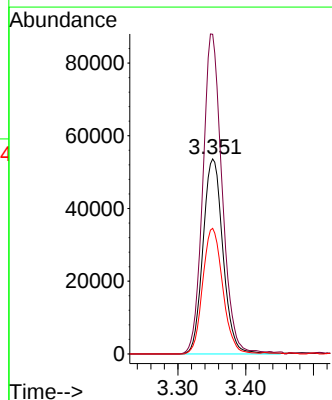
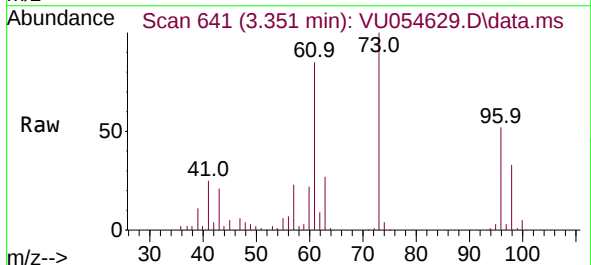
Instrument :
MSVOA_U
ClientSampleId :
VSTD005192

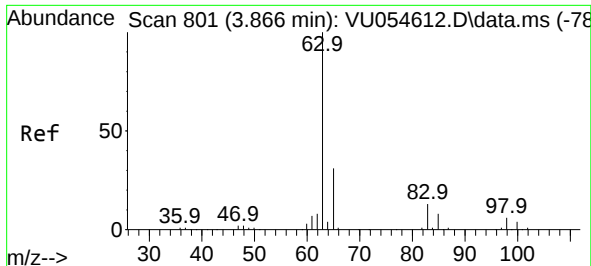
Tgt Ion: 73 Resp: 279941
Ion Ratio Lower Upper
73 100
43 21.0 15.7 23.5
57 23.9 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.435 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

Tgt Ion: 96 Resp: 109899
Ion Ratio Lower Upper
96 100
61 163.9 104.6 194.2
98 64.4 45.4 84.4





#19

1,1-Dichloroethane

Concen: 5.082 ug/L

RT: 3.866 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU054629.D

Acq: 20 Jun 2023 22:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005192

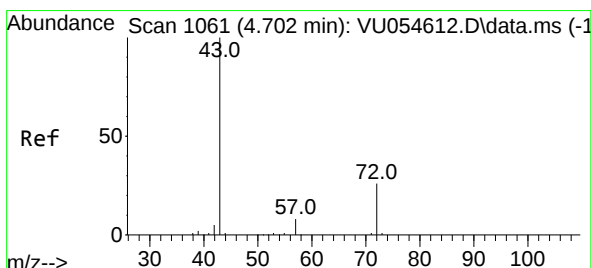
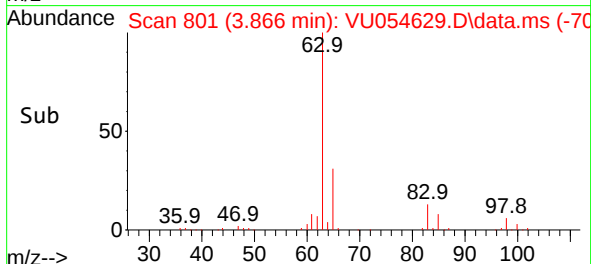
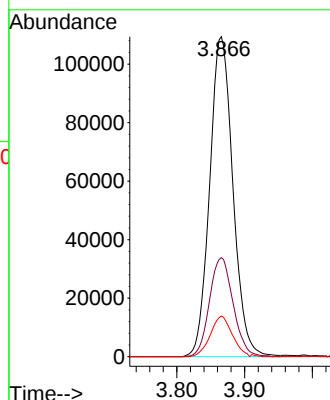
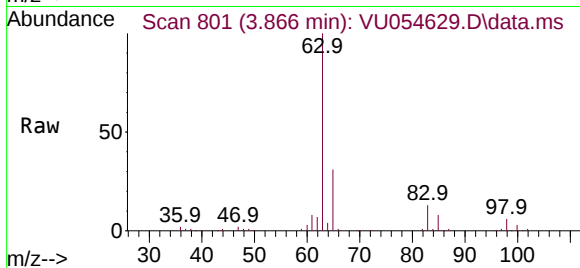
Tgt Ion: 63 Resp: 260623

Ion Ratio Lower Upper

63 100

65 30.9 22.2 41.2

83 12.7 9.0 16.6



#21

2-Butanone

Concen: 49.419 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VU054629.D

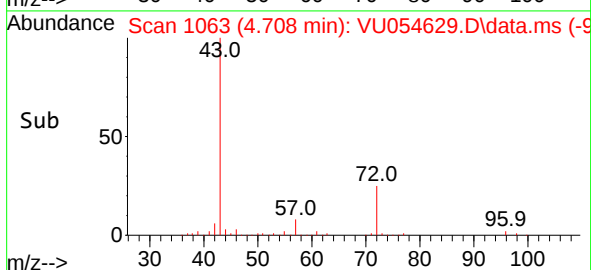
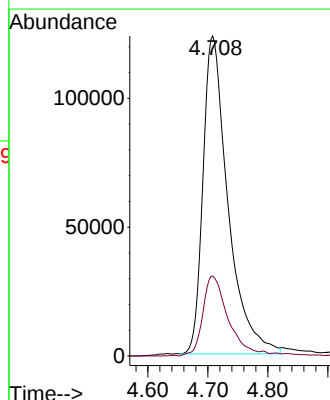
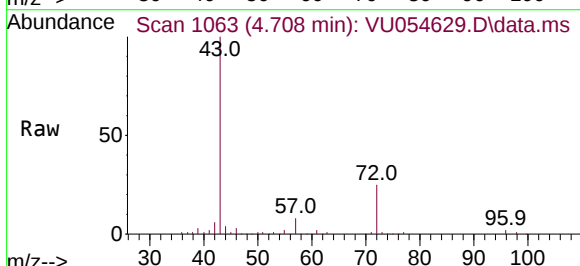
Acq: 20 Jun 2023 22:50

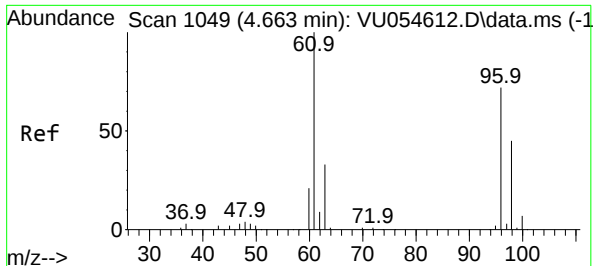
Tgt Ion: 43 Resp: 358059

Ion Ratio Lower Upper

43 100

72 25.0 13.4 40.1

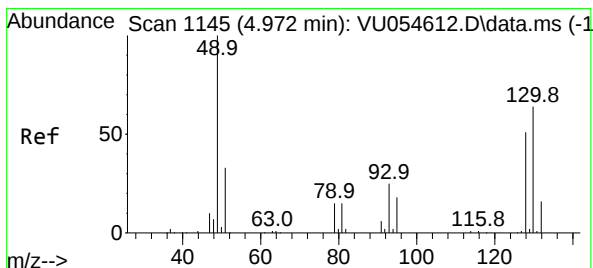
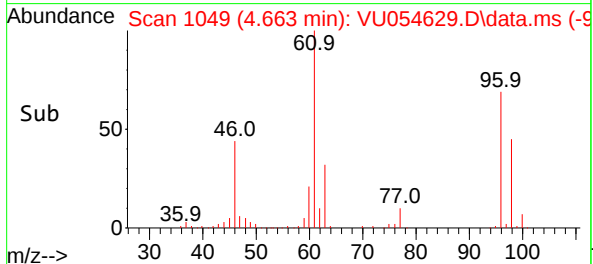
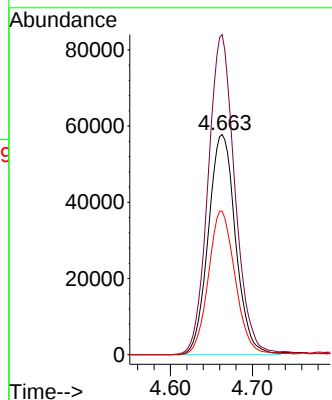
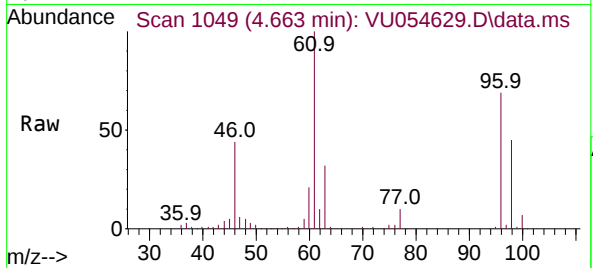




#22
 cis-1,2-Dichloroethene
 Concen: 4.732 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU054629.D
 Acq: 20 Jun 2023 22:50

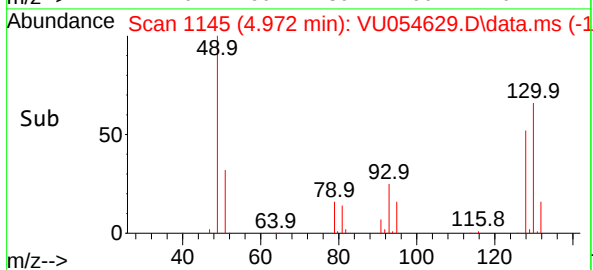
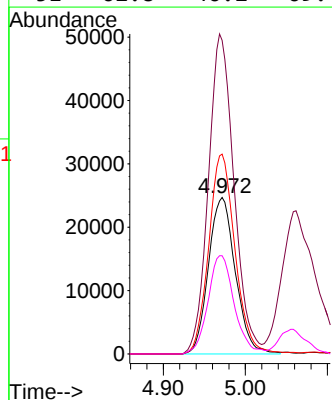
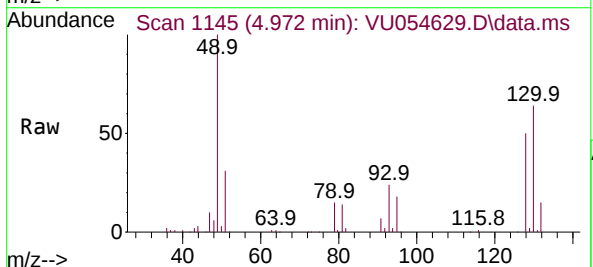
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005192

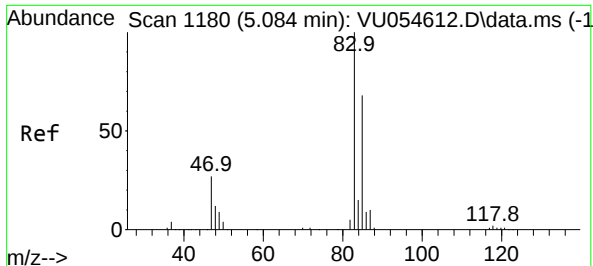
Tgt Ion: 96 Resp: 133528
 Ion Ratio Lower Upper
 96 100
 61 145.3 96.5 179.1
 98 65.2 44.9 83.3



#23
 Bromochloromethane
 Concen: 4.794 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. -0.000 min
 Lab File: VU054629.D
 Acq: 20 Jun 2023 22:50

Tgt Ion: 128 Resp: 56295
 Ion Ratio Lower Upper
 128 100
 49 200.4 132.1 245.3
 130 127.7 91.5 169.9
 51 62.8 46.2 69.4





#25

Chloroform

Concen: 4.868 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU054629.D

Acq: 20 Jun 2023 22:50

Instrument :

MSVOA_U

ClientSampleId :

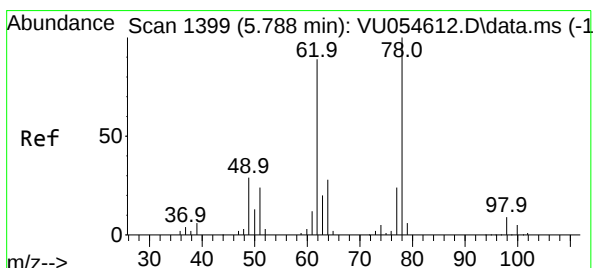
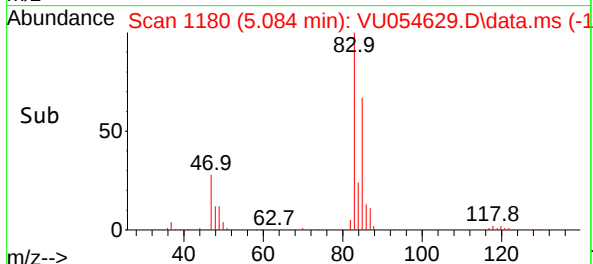
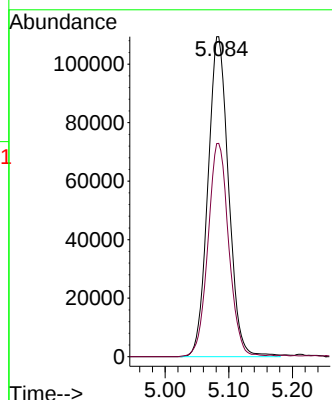
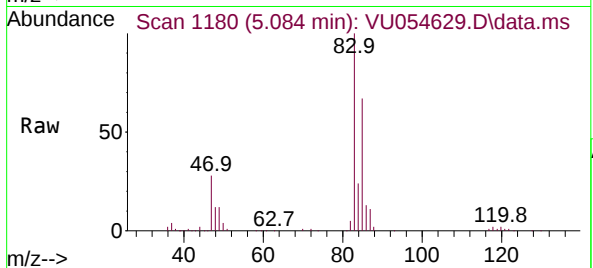
VSTD005192

Tgt Ion: 83 Resp: 246132

Ion Ratio Lower Upper

83 100

85 66.6 44.7 82.9



#27

1,2-Dichloroethane

Concen: 5.139 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU054629.D

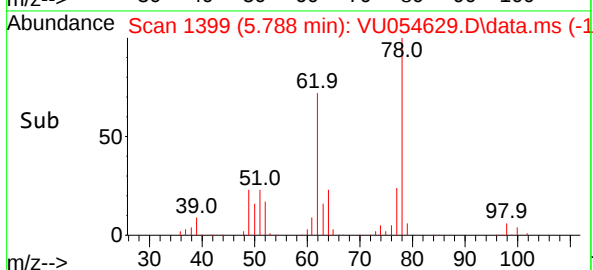
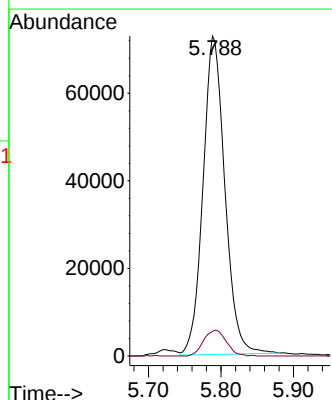
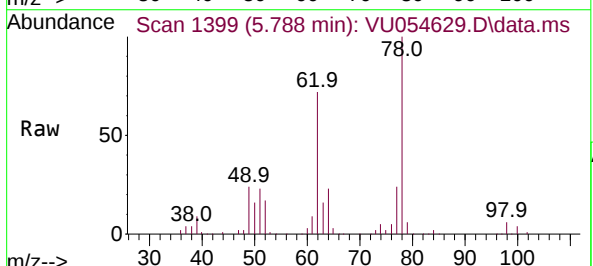
Acq: 20 Jun 2023 22:50

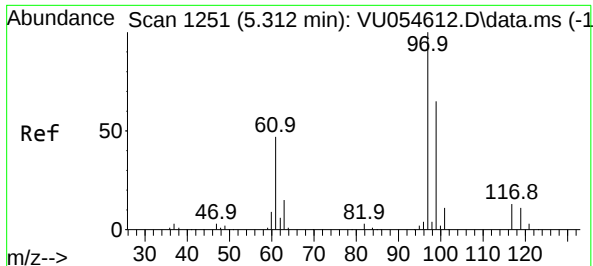
Tgt Ion: 62 Resp: 152284

Ion Ratio Lower Upper

62 100

98 7.7 7.8 11.6#





#29

1,1,1-Trichloroethane

Concen: 4.786 ug/L

RT: 5.312 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054629.D

Acq: 20 Jun 2023 22:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005192

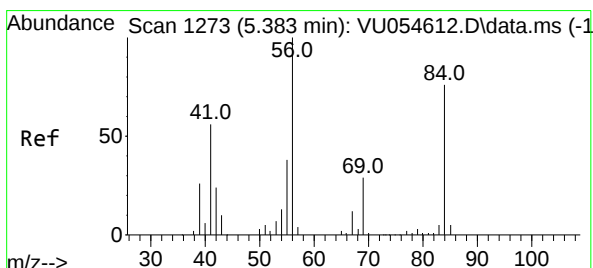
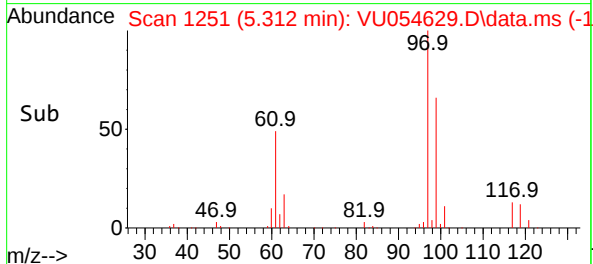
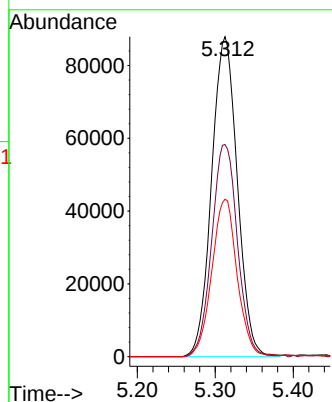
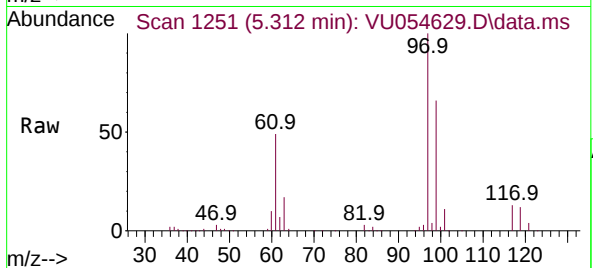
Tgt Ion: 97 Resp: 201686

Ion Ratio Lower Upper

97 100

99 66.4 50.8 76.2

61 48.5 36.1 54.1



#30

Cyclohexane

Concen: 4.433 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU054629.D

Acq: 20 Jun 2023 22:50

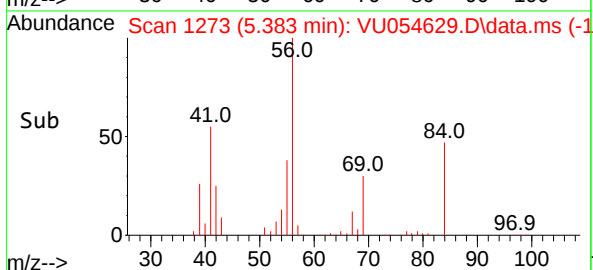
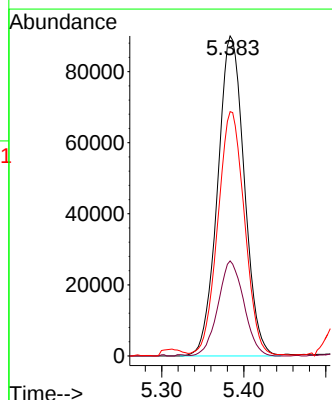
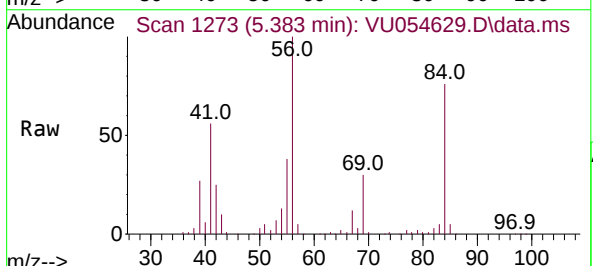
Tgt Ion: 56 Resp: 203489

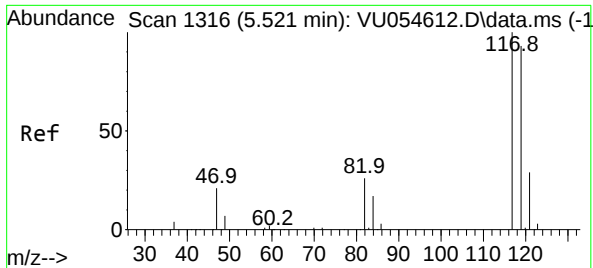
Ion Ratio Lower Upper

56 100

69 28.8 23.9 35.9

84 77.0 63.0 94.6

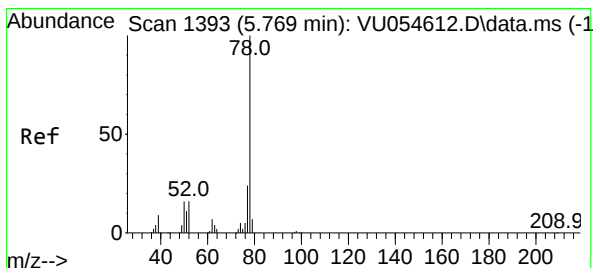
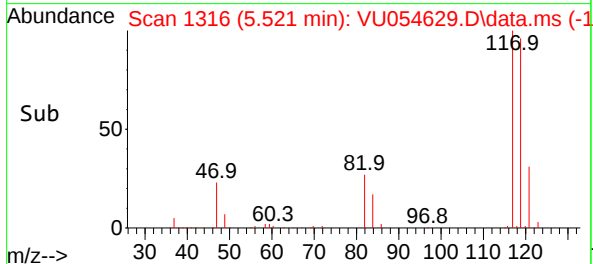
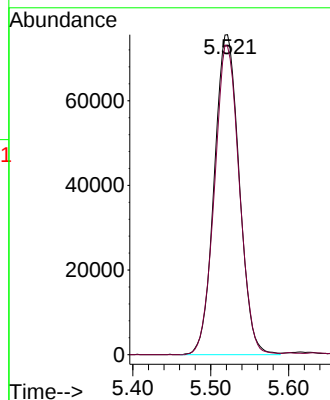
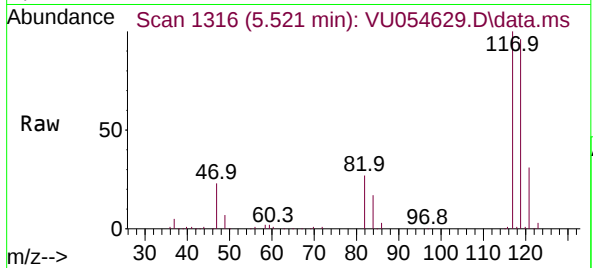




#31
Carbon tetrachloride
Concen: 4.628 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

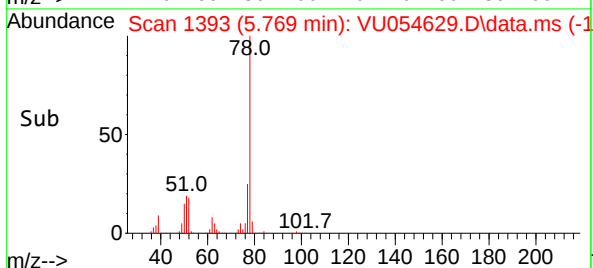
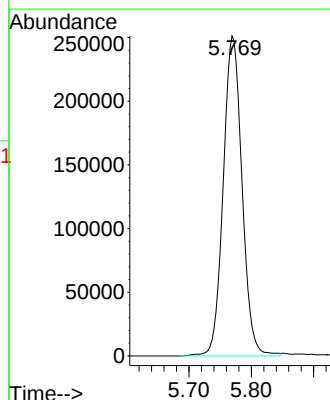
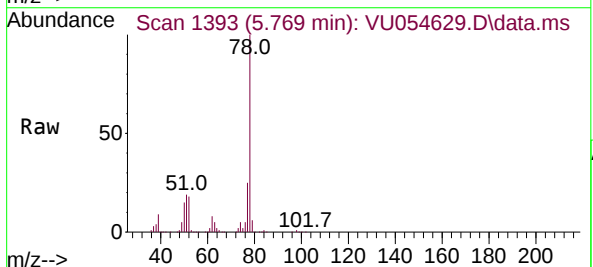
Instrument :
MSVOA_U
ClientSampleId :
VSTD005192

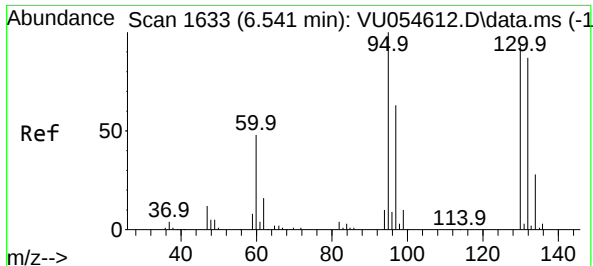
Tgt Ion:117 Resp: 168078
Ion Ratio Lower Upper
117 100
119 96.6 76.8 115.2



#33
Benzene
Concen: 4.716 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

Tgt Ion: 78 Resp: 526776





#34

Trichloroethene

Concen: 4.567 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054629.D

Acq: 20 Jun 2023 22:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005192

Tgt Ion: 95 Resp: 134895

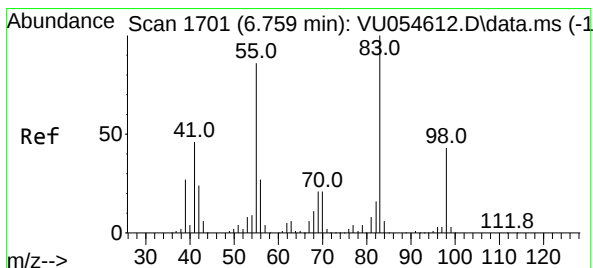
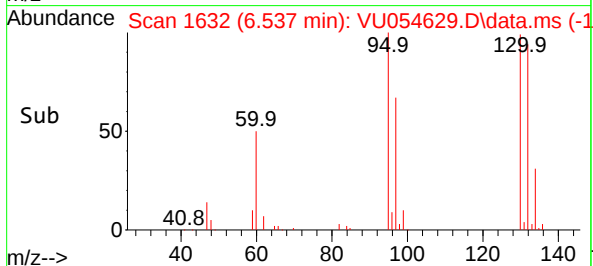
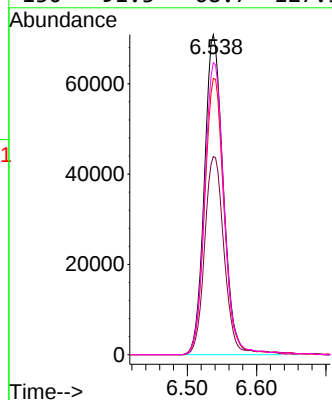
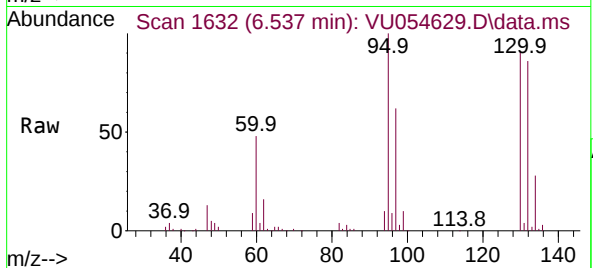
Ion Ratio Lower Upper

95 100

97 61.9 46.8 87.0

132 86.3 68.4 127.0

130 91.3 68.7 127.5



#35

Methylcyclohexane

Concen: 4.224 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU054629.D

Acq: 20 Jun 2023 22:50

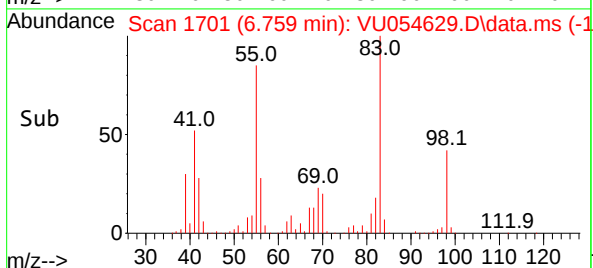
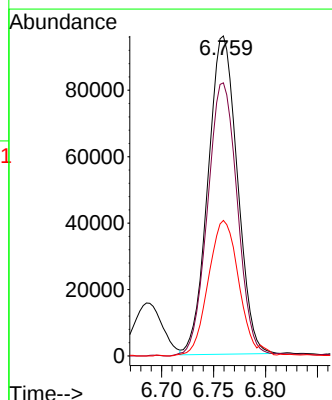
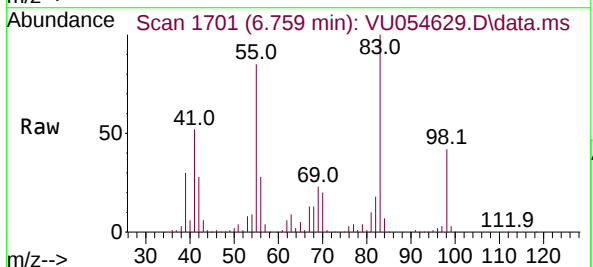
Tgt Ion: 83 Resp: 188581

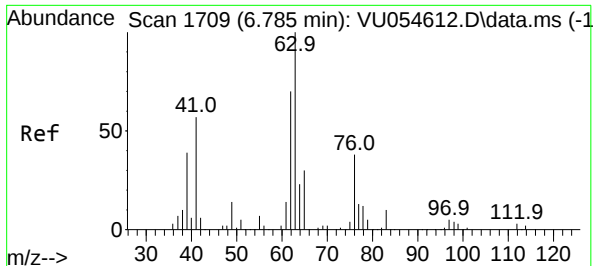
Ion Ratio Lower Upper

83 100

55 87.3 67.1 100.7

98 44.5 35.1 52.7

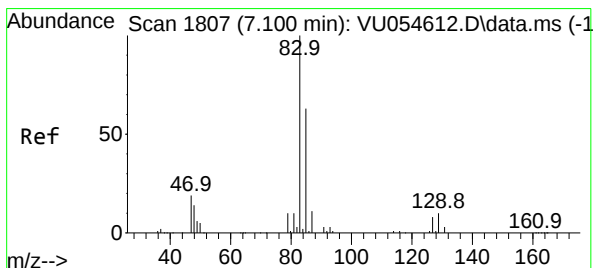
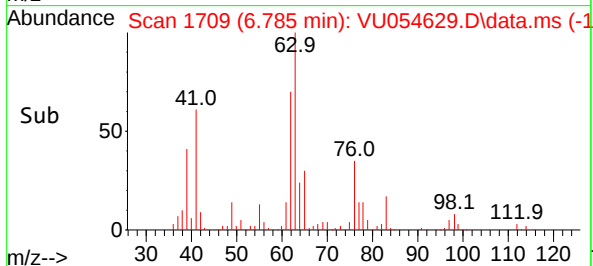
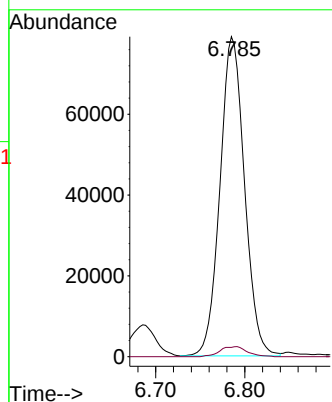
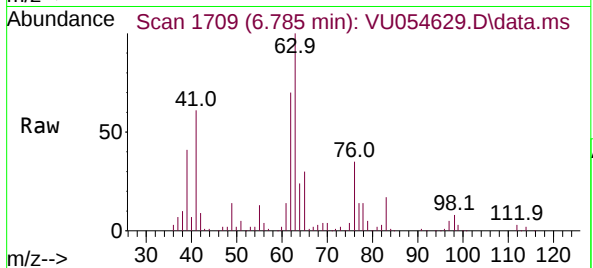




#37
1,2-Dichloropropane
Concen: 5.006 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. -0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

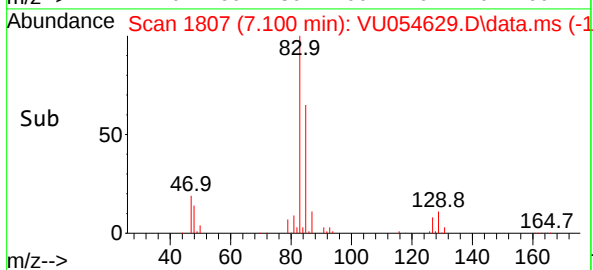
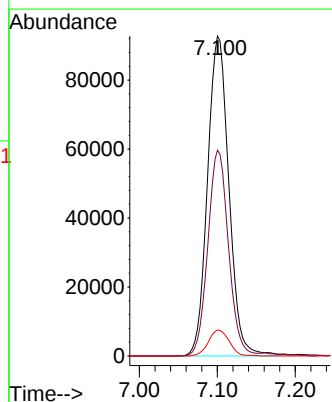
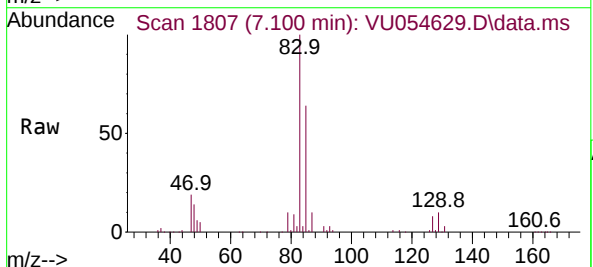
Instrument :
MSVOA_U
ClientSampleId :
VSTD005192

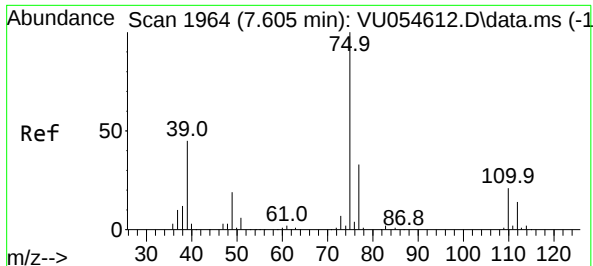
Tgt Ion: 63 Resp: 151193
Ion Ratio Lower Upper
63 100
112 3.5 3.0 4.6



#38
Bromodichloromethane
Concen: 5.163 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

Tgt Ion: 83 Resp: 176503
Ion Ratio Lower Upper
83 100
85 64.3 44.1 81.9
127 8.1 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.745 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.003 min

Lab File: VU054629.D

Acq: 20 Jun 2023 22:50

Instrument :

MSVOA_U

ClientSampleId :

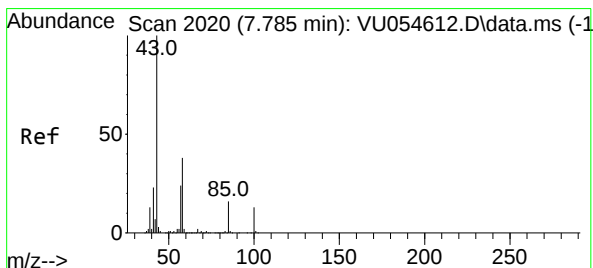
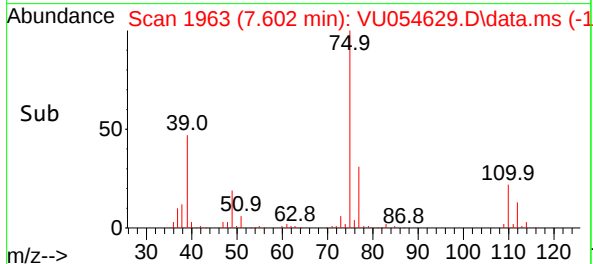
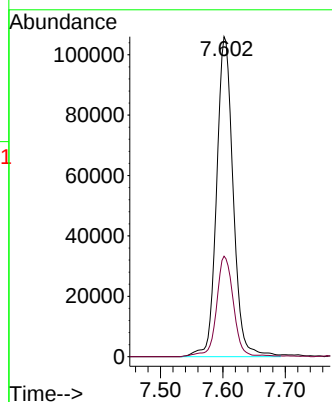
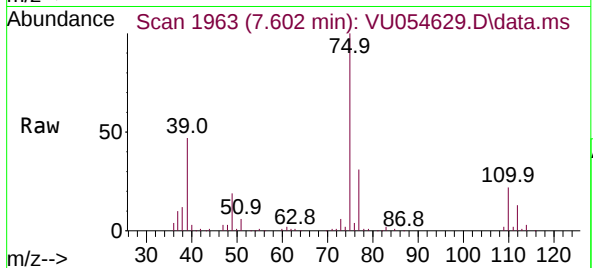
VSTD005192

Tgt Ion: 75 Resp: 195664

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 54.869 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU054629.D

Acq: 20 Jun 2023 22:50

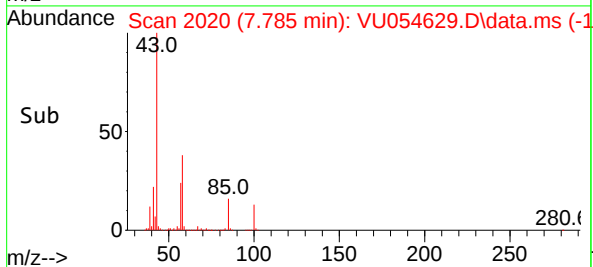
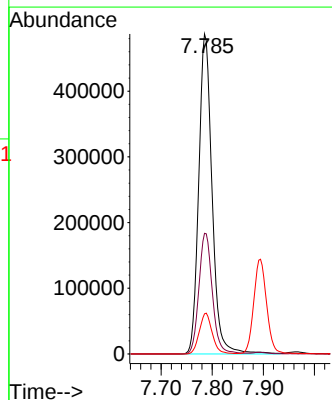
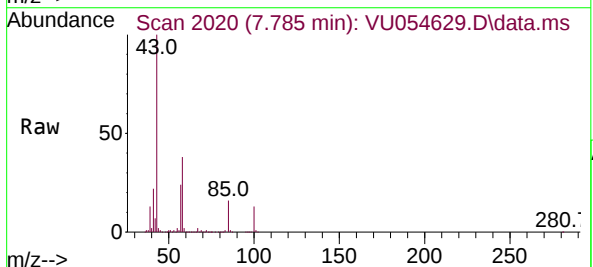
Tgt Ion: 43 Resp: 884326

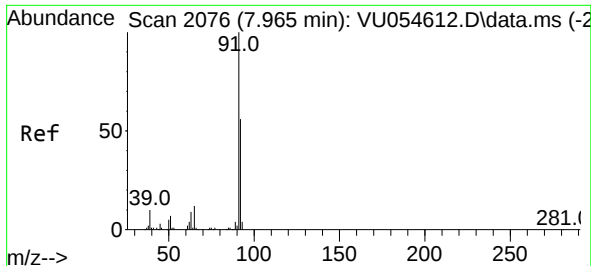
Ion Ratio Lower Upper

43 100

58 38.0 32.4 48.6

100 12.3 11.4 17.2

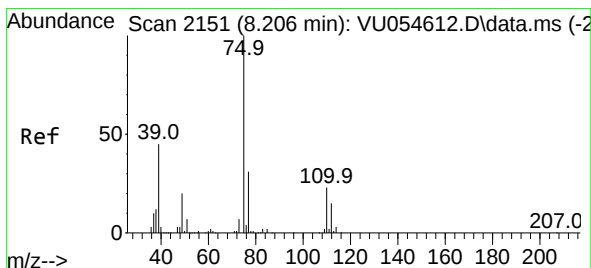
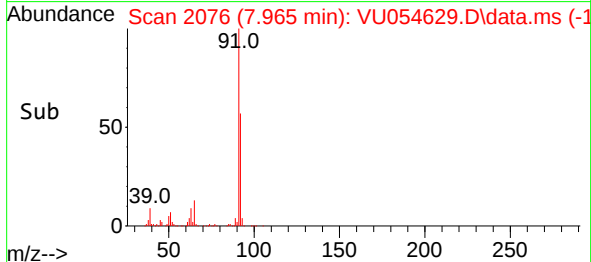
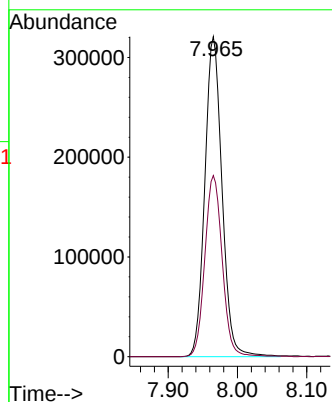
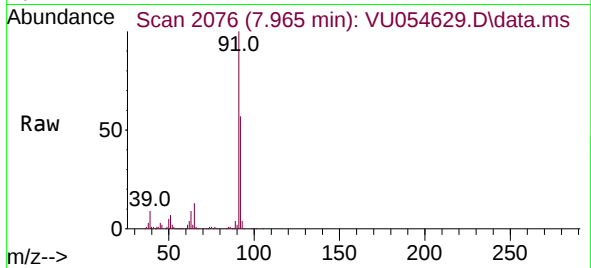




#42
Toluene
Concen: 4.802 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. -0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

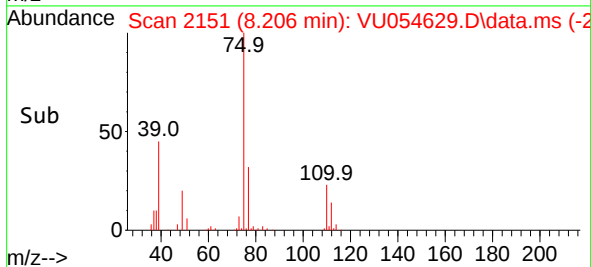
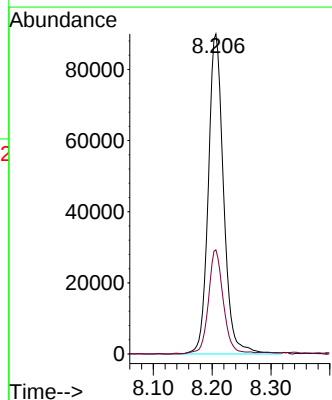
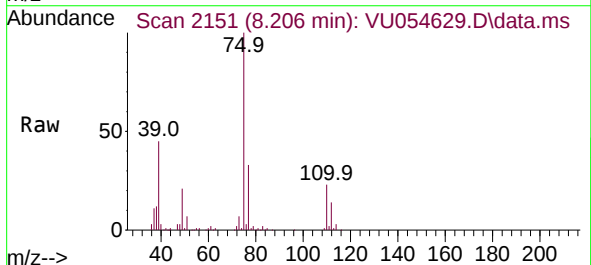
Instrument :
MSVOA_U
ClientSampleId :
VSTD005192

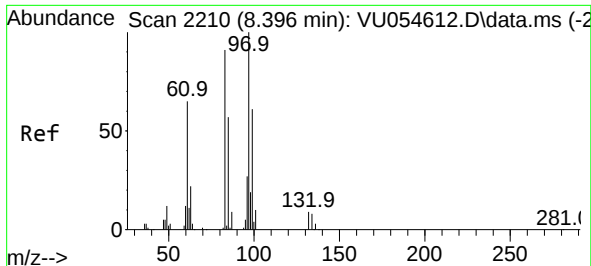
Tgt Ion: 91 Resp: 552346
Ion Ratio Lower Upper
91 100
92 56.6 39.5 73.4



#44
trans-1,3-Dichloropropene
Concen: 4.857 ug/L
RT: 8.206 min Scan# 2151
Delta R.T. 0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

Tgt Ion: 75 Resp: 162542
Ion Ratio Lower Upper
75 100
77 32.6 21.3 39.6

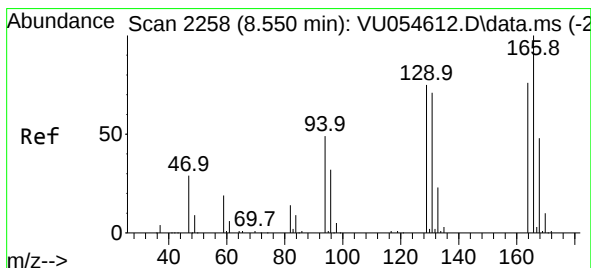
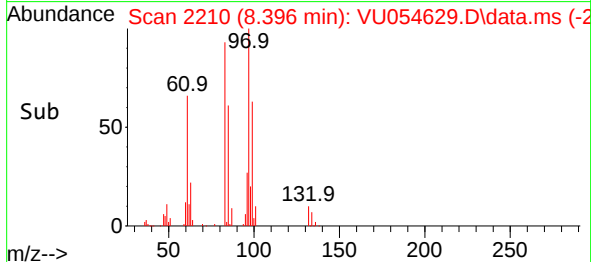
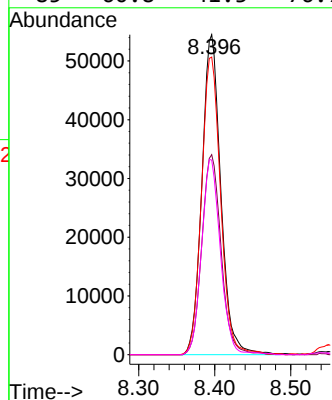
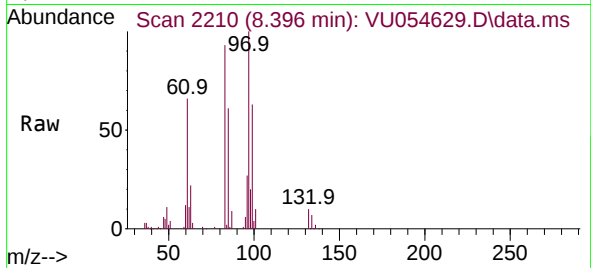




#45
1,1,2-Trichloroethane
Concen: 4.900 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

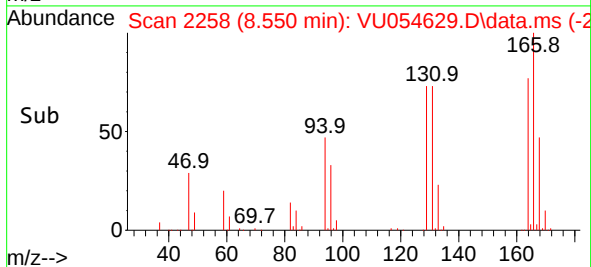
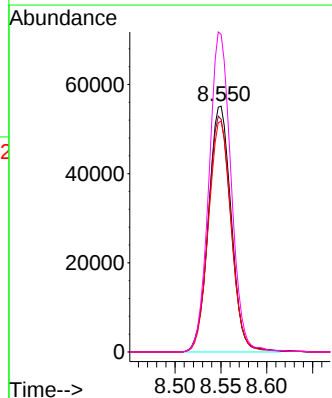
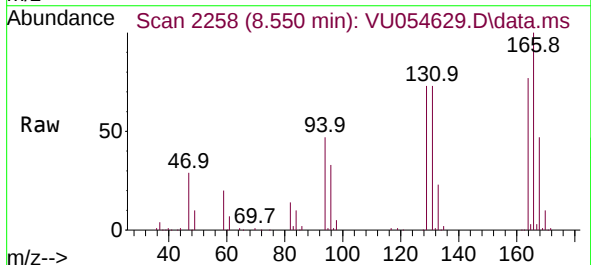
Instrument :
MSVOA_U
ClientSampleId :
VSTD005192

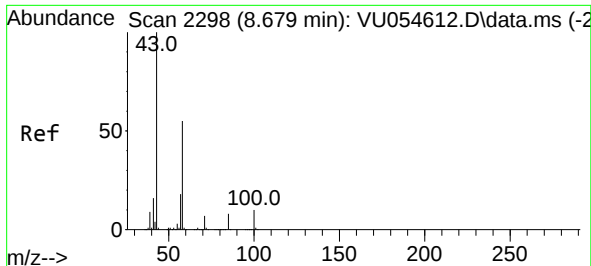
Tgt Ion: 97	Resp: 94152
Ion Ratio	Lower Upper
97 100	
99 62.5	43.0 80.0
83 93.0	63.8 118.6
85 60.8	41.3 76.7



#47
Tetrachloroethene
Concen: 4.200 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

Tgt	Ion:164	Resp:	94950
Ion	Ratio	Lower	Upper
164	100		
129	94.6	67.7	125.7
131	93.8	64.6	120.0
166	129.2	88.1	163.7

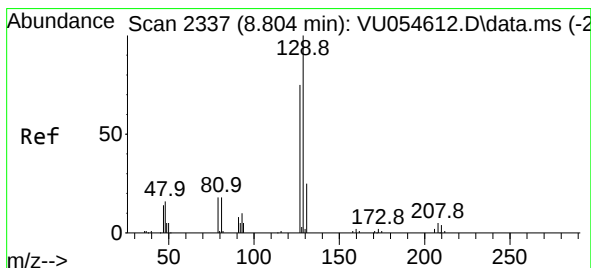
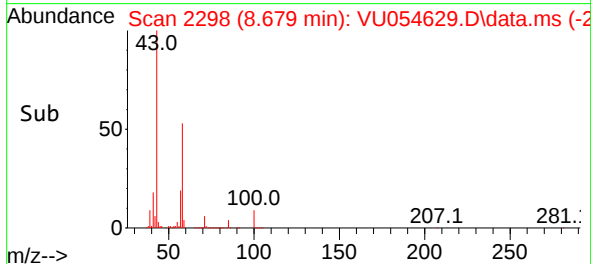
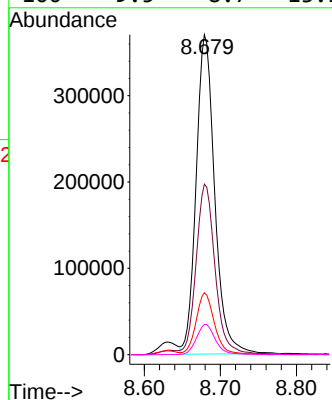
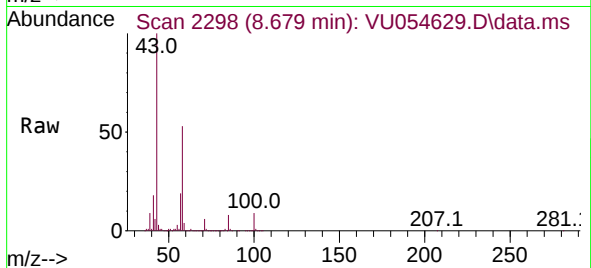




#48
2-Hexanone
Concen: 52.391 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

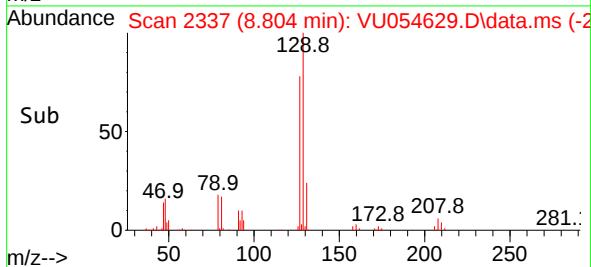
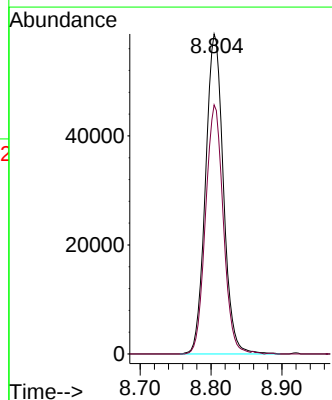
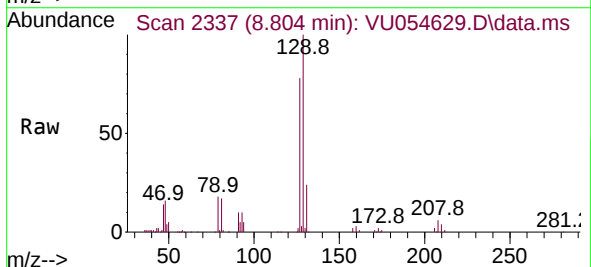
Instrument :
MSVOA_U
ClientSampleId :
VSTD005192

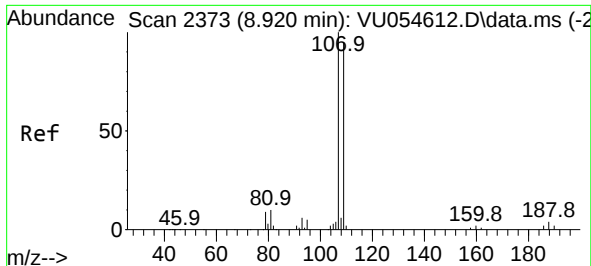
Tgt Ion: 43 Resp: 629164
Ion Ratio Lower Upper
43 100
58 54.8 45.2 67.8
57 19.4 15.8 23.6
100 9.5 8.7 13.1



#49
Dibromochloromethane
Concen: 5.089 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

Tgt Ion: 129 Resp: 102668
Ion Ratio Lower Upper
129 100
127 77.8 53.2 98.8





#50

1,2-Dibromoethane

Concen: 4.953 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054629.D

Acq: 20 Jun 2023 22:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005192

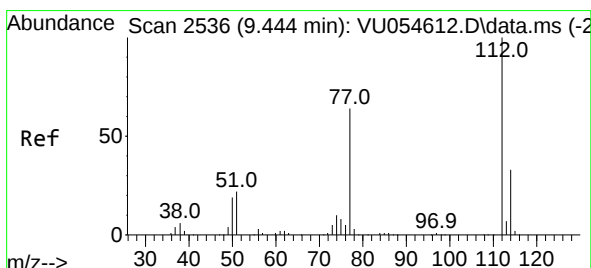
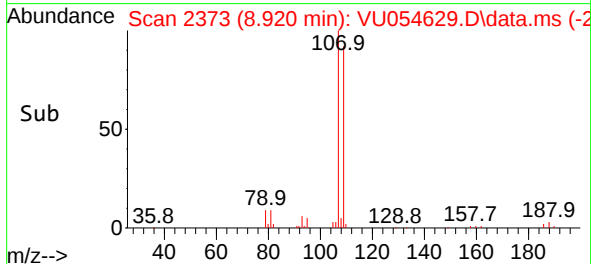
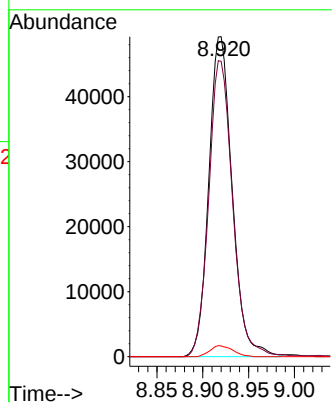
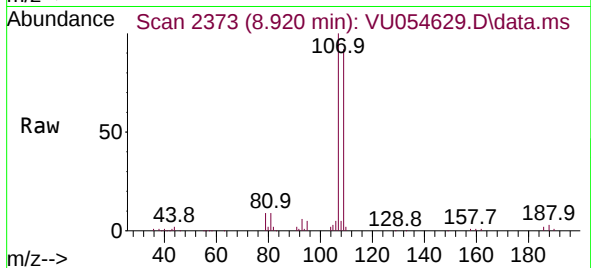
Tgt Ion:107 Resp: 87375

Ion Ratio Lower Upper

107 100

109 92.3 66.6 123.6

188 3.3 3.1 4.7



#51

Chlorobenzene

Concen: 4.673 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU054629.D

Acq: 20 Jun 2023 22:50

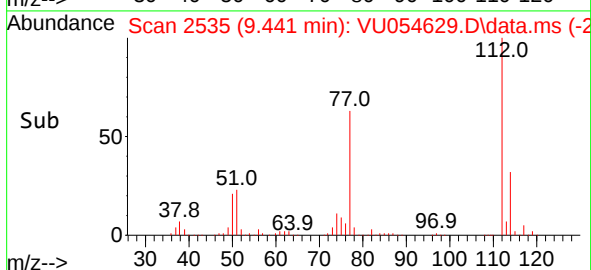
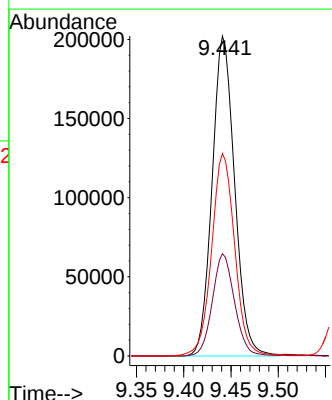
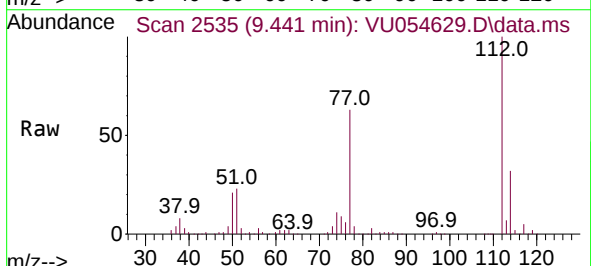
Tgt Ion:112 Resp: 335037

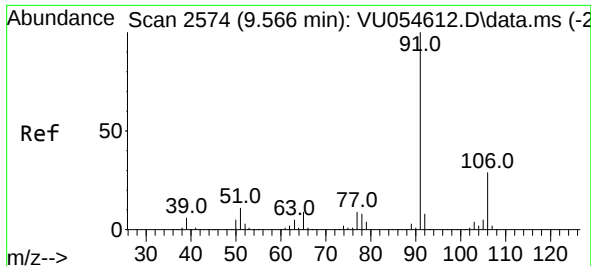
Ion Ratio Lower Upper

112 100

114 32.0 22.7 42.1

77 63.2 49.8 74.8

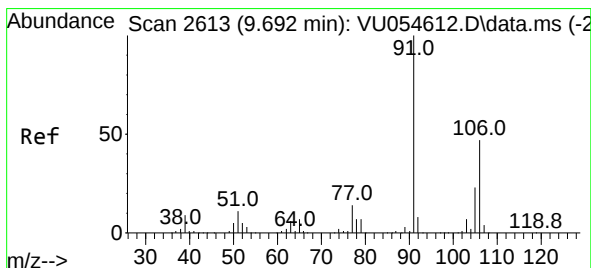
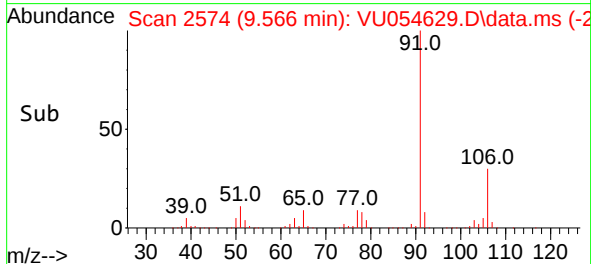
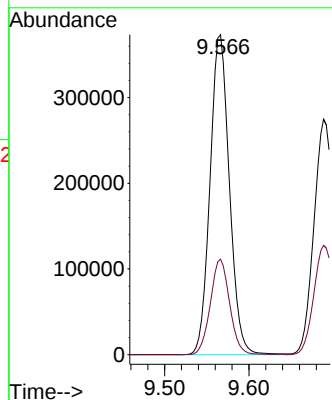
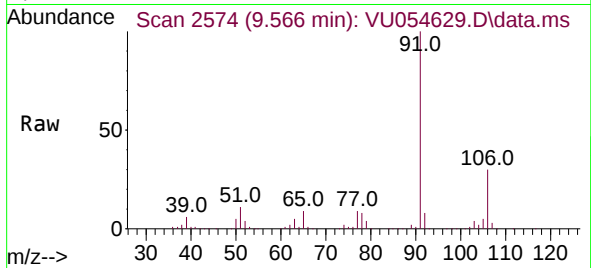




#52
Ethylbenzene
Concen: 4.751 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

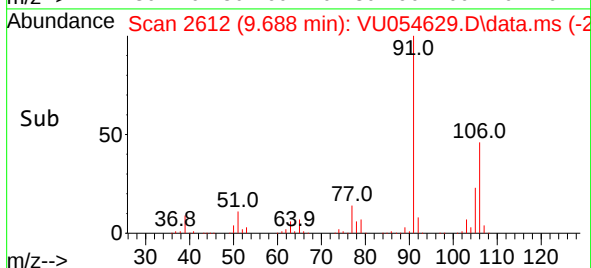
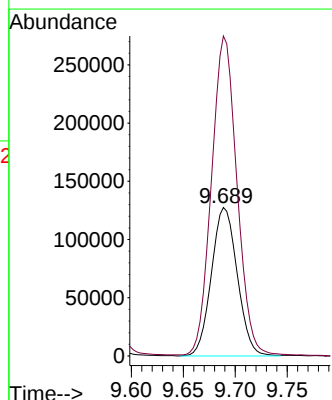
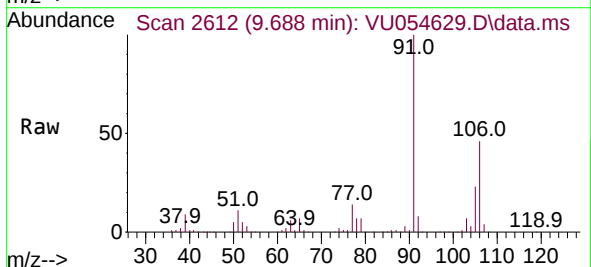
Instrument :
MSVOA_U
ClientSampleId :
VSTD005192

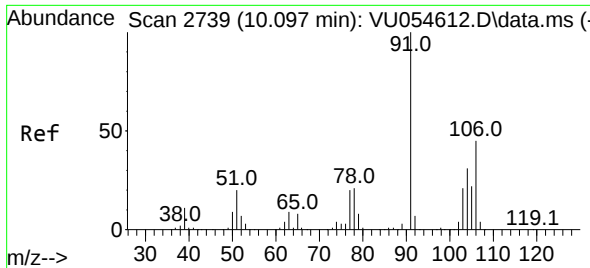
Tgt Ion: 91 Resp: 596882
Ion Ratio Lower Upper
91 100
106 29.9 21.1 39.3



#53
m,p-Xylene
Concen: 4.786 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

Tgt Ion: 106 Resp: 220855
Ion Ratio Lower Upper
106 100
91 215.5 147.0 273.0

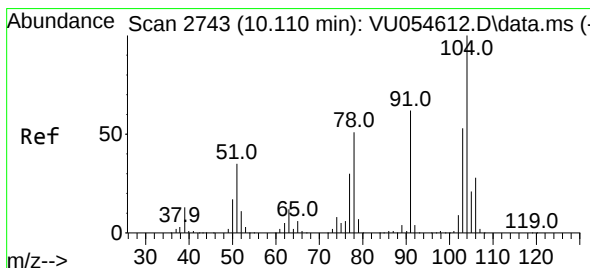
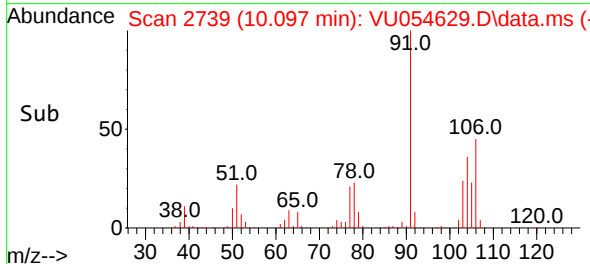
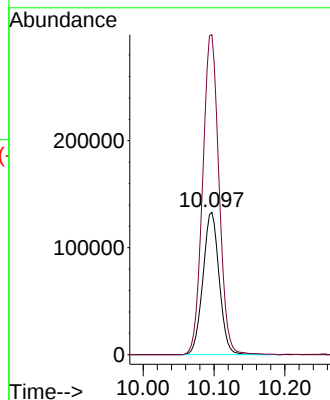
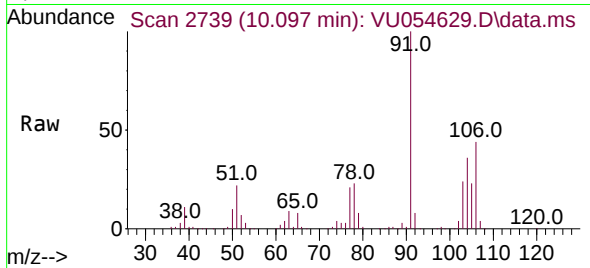




#54
o-Xylene
Concen: 4.750 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

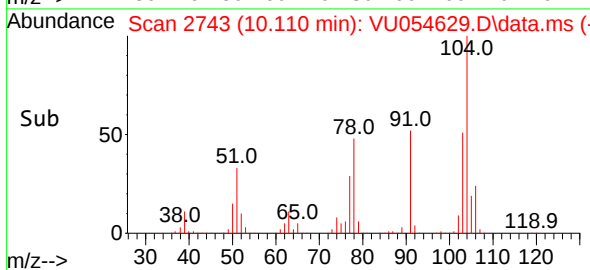
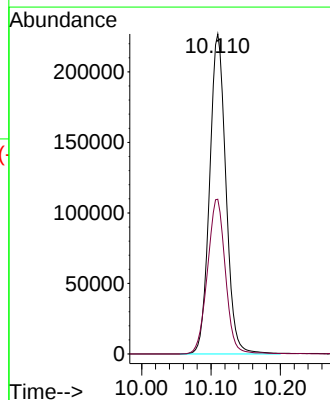
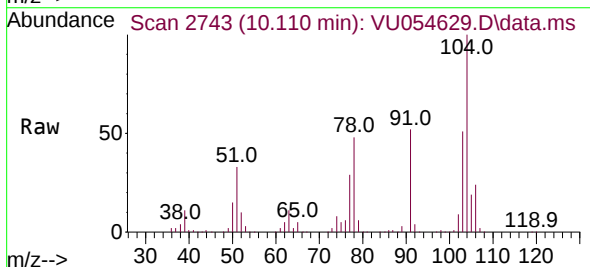
Instrument :
MSVOA_U
ClientSampleId :
VSTD005192

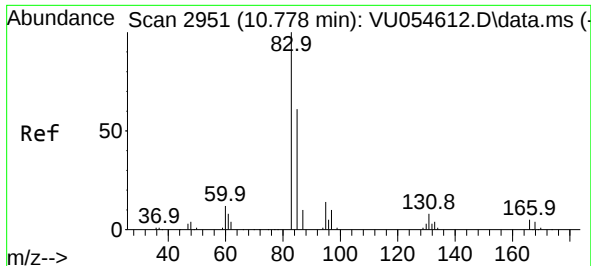
Tgt Ion:106 Resp: 211987
Ion Ratio Lower Upper
106 100
91 224.7 154.5 286.9



#55
Styrene
Concen: 4.949 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

Tgt Ion:104 Resp: 370704
Ion Ratio Lower Upper
104 100
78 48.3 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.051 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU054629.D

Acq: 20 Jun 2023 22:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005192

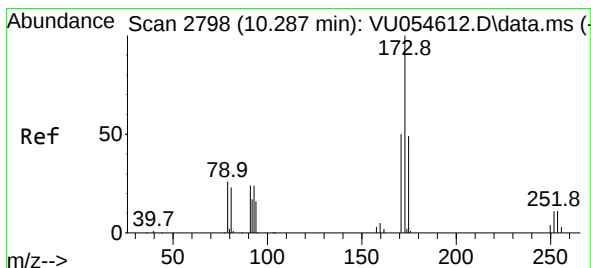
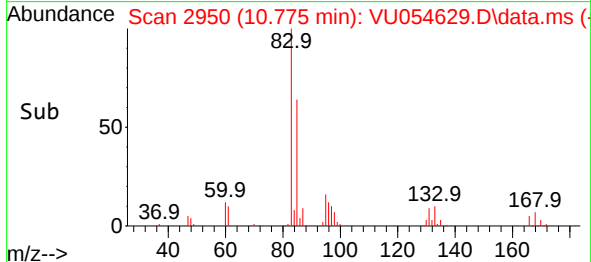
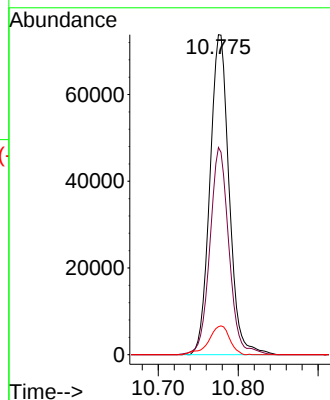
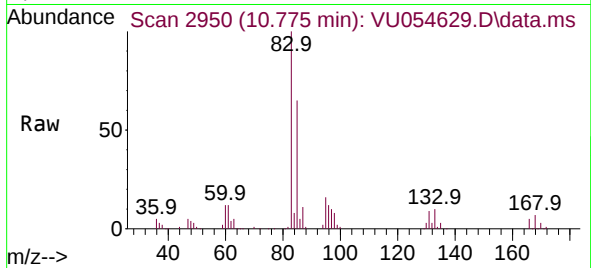
Tgt Ion: 83 Resp: 123270

Ion Ratio Lower Upper

83 100

85 64.7 44.2 82.2

131 8.8 7.0 10.6



#59

Bromoform

Concen: 5.250 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU054629.D

Acq: 20 Jun 2023 22:50

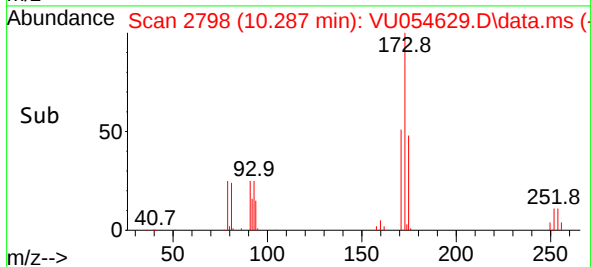
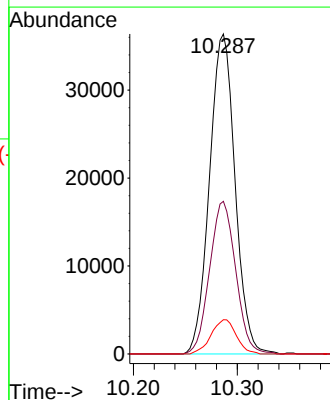
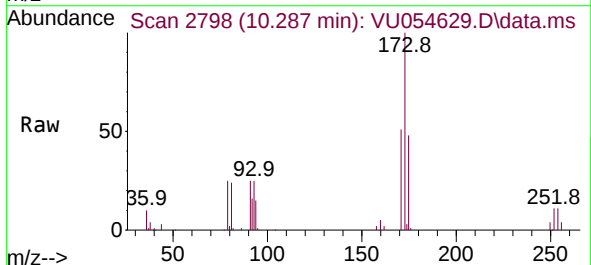
Tgt Ion:173 Resp: 62129

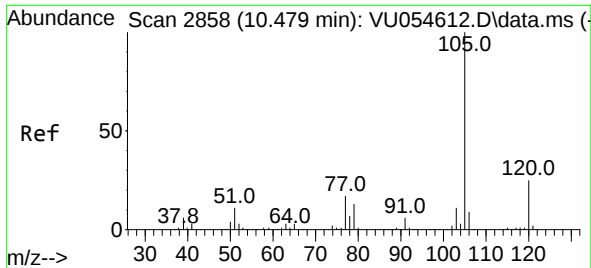
Ion Ratio Lower Upper

173 100

175 48.6 39.4 59.0

254 10.6 8.6 12.8

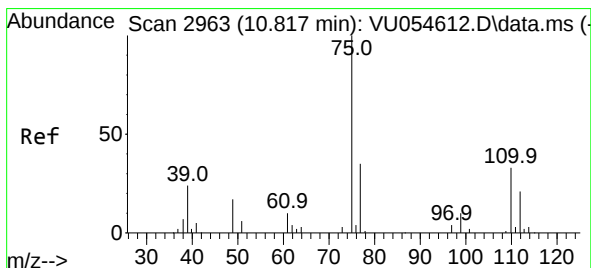
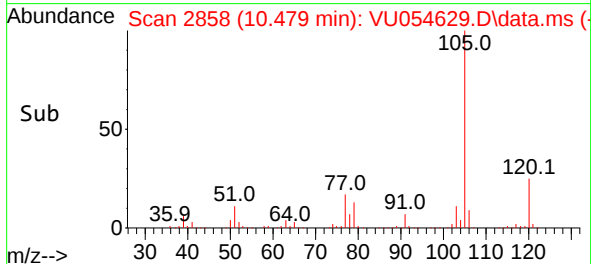
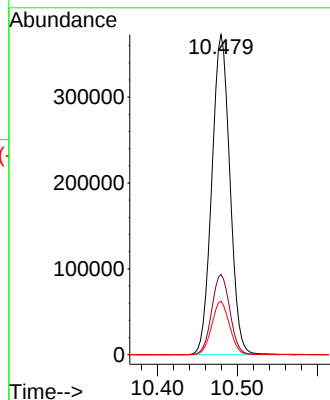
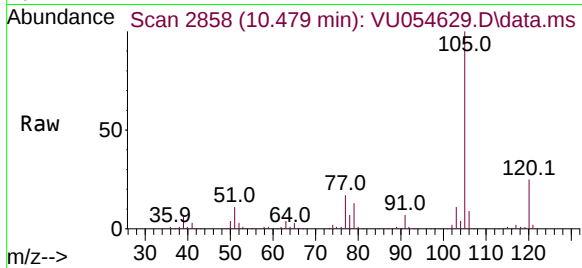




#60
Isopropylbenzene
Concen: 4.847 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

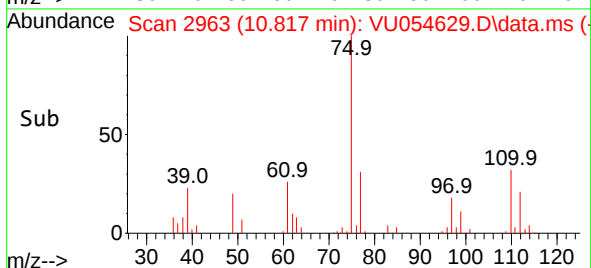
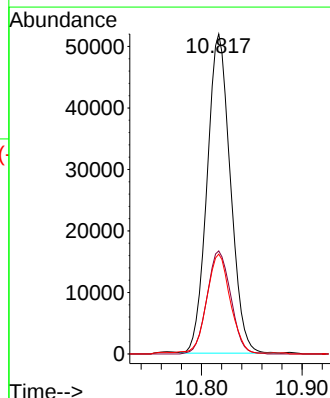
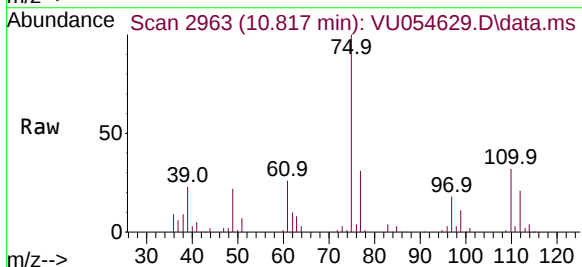
Instrument :
MSVOA_U
ClientSampleId :
VSTD005192

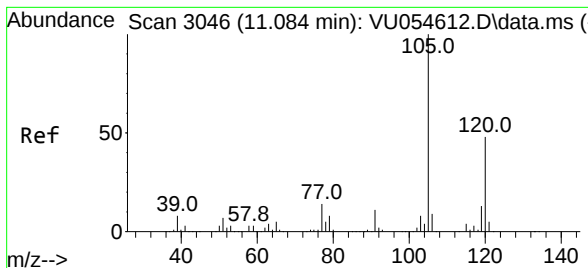
Tgt Ion:	105	Resp:	584535
Ion Ratio	Lower	Upper	
105	100		
120	25.1	20.9	31.3
77	16.5	13.2	19.8



#61
1,2,3-Trichloropropane
Concen: 5.004 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

Tgt Ion:	75	Resp:	83363
Ion Ratio	Lower	Upper	
75	100		
110	33.0	28.0	42.0
77	31.3	25.4	38.2





#62

1,3,5-Trimethylbenzene

Concen: 4.713 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU054629.D

Acq: 20 Jun 2023 22:50

Instrument :

MSVOA_U

ClientSampleId :

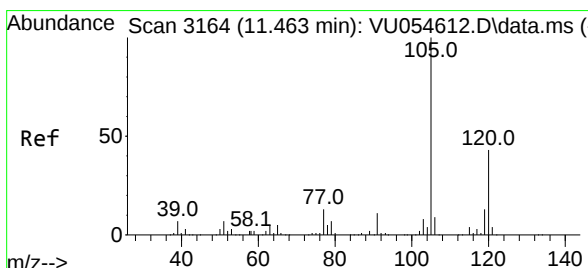
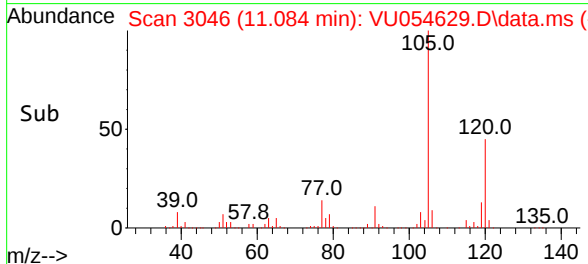
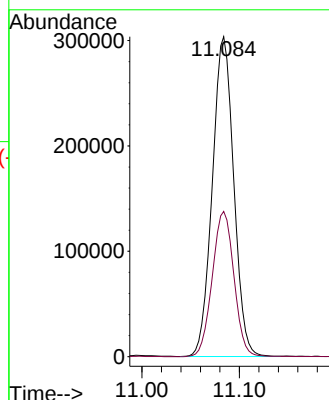
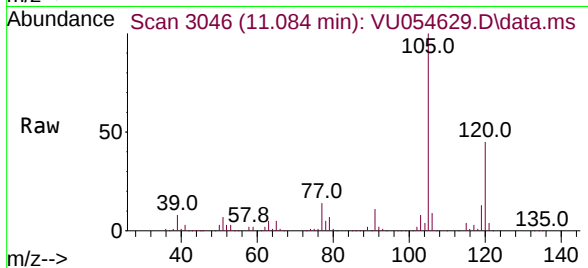
VSTD005192

Tgt Ion:105 Resp: 463715

Ion Ratio Lower Upper

105 100

120 45.9 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 4.660 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU054629.D

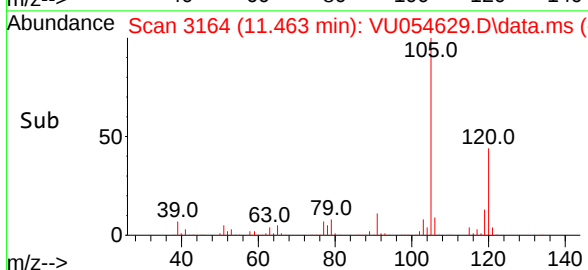
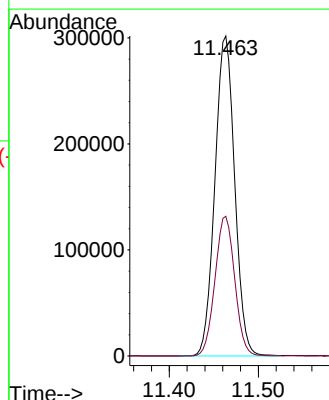
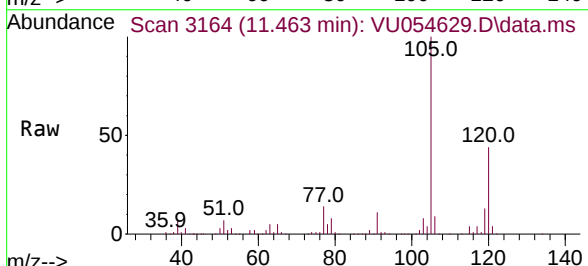
Acq: 20 Jun 2023 22:50

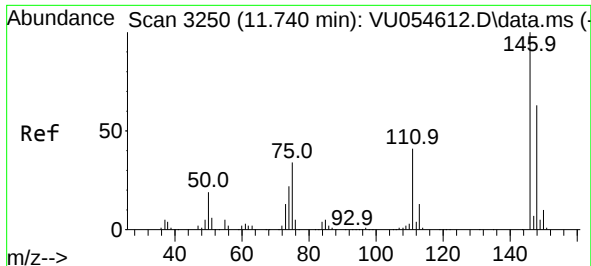
Tgt Ion:105 Resp: 465652

Ion Ratio Lower Upper

105 100

120 43.5 35.4 53.0

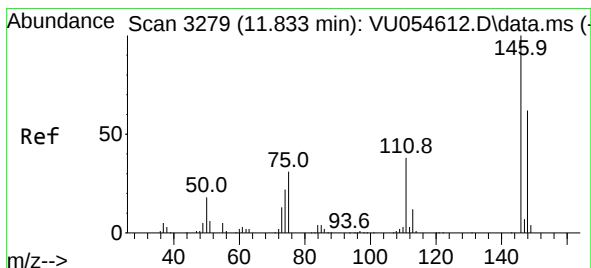
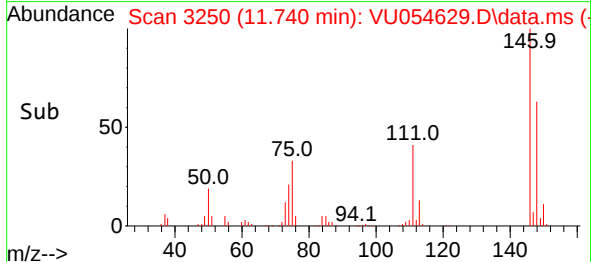
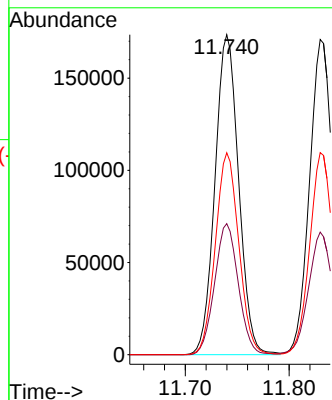
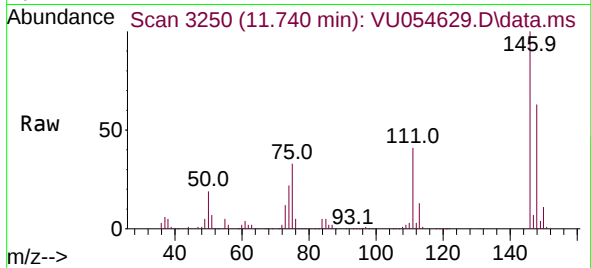




#64
1,3-Dichlorobenzene
Concen: 4.868 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

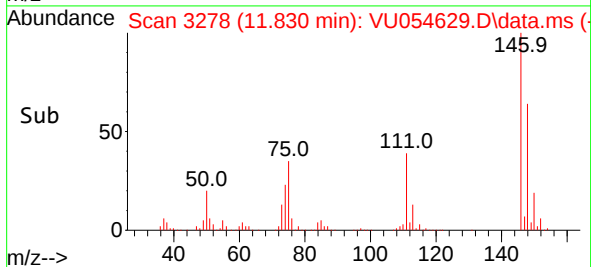
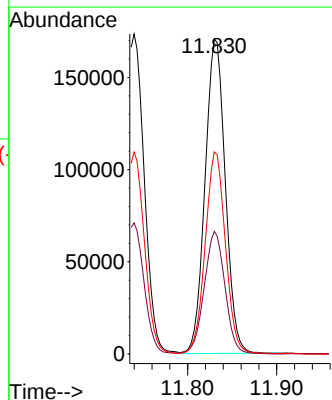
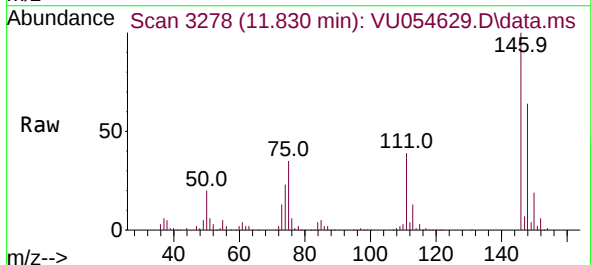
Instrument :
MSVOA_U
ClientSampleId :
VSTD005192

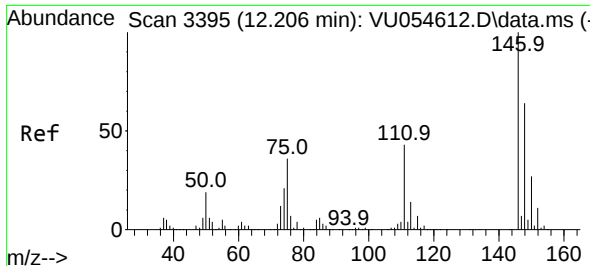
Tgt Ion:146 Resp: 274413
Ion Ratio Lower Upper
146 100
111 41.0 28.9 53.7
148 63.1 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 4.759 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

Tgt Ion:146 Resp: 269236
Ion Ratio Lower Upper
146 100
111 38.9 28.0 52.0
148 64.1 44.7 83.1

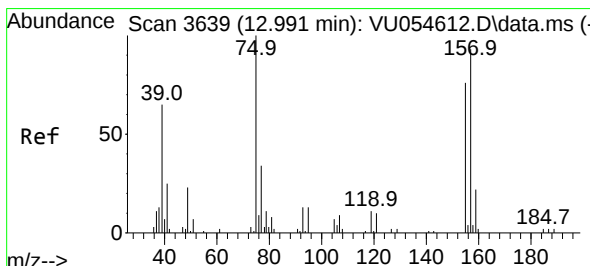
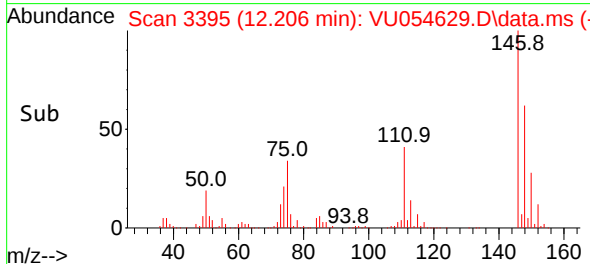
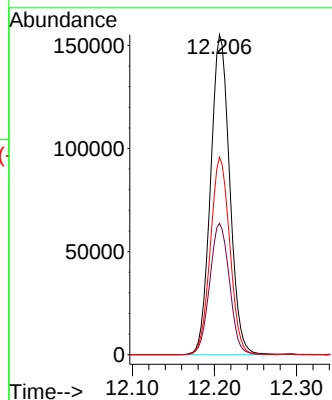
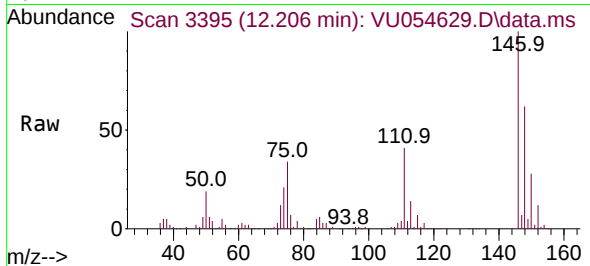




#67
1,2-Dichlorobenzene
Concen: 4.843 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. -0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

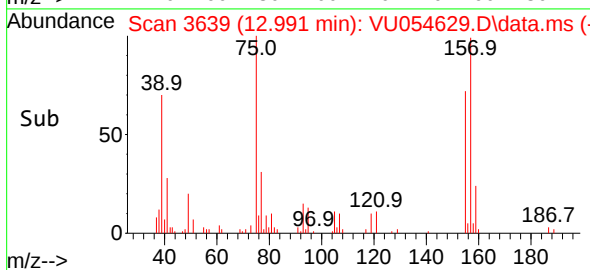
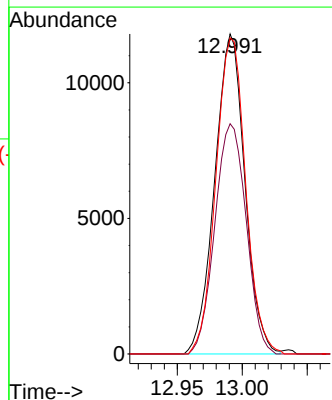
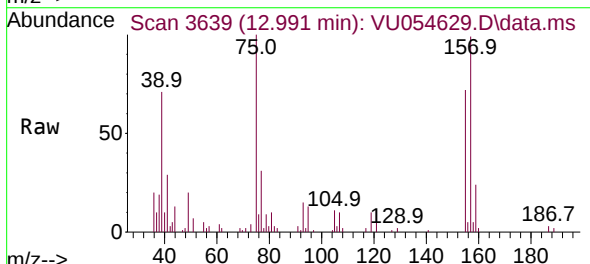
Instrument :
MSVOA_U
ClientSampleId :
VSTD005192

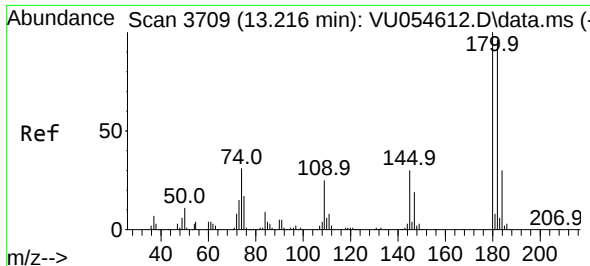
Tgt Ion:146 Resp: 251076
Ion Ratio Lower Upper
146 100
111 41.1 34.5 51.7
148 61.7 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 5.189 ug/L
RT: 12.991 min Scan# 3639
Delta R.T. -0.000 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

Tgt Ion: 75 Resp: 18997
Ion Ratio Lower Upper
75 100
155 72.0 65.7 98.5
157 98.8 84.2 126.2



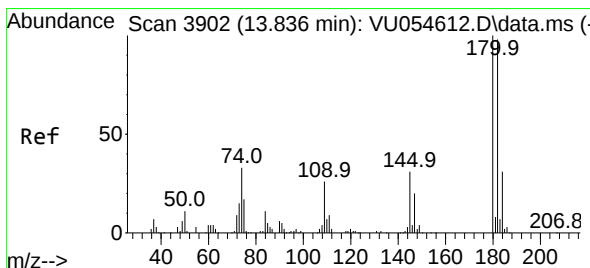
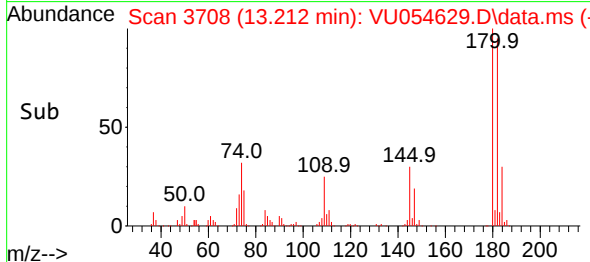
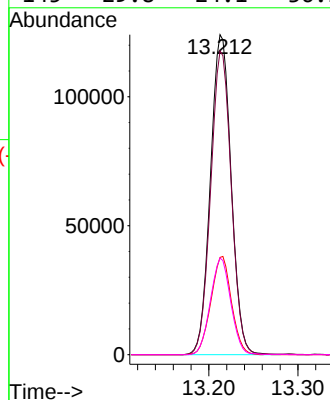
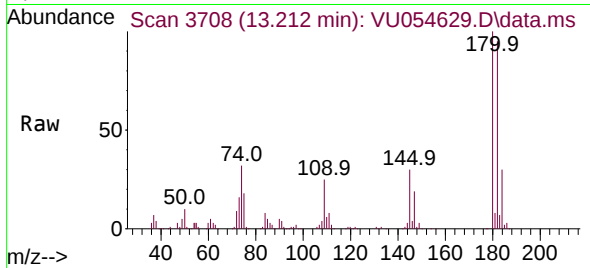


#69
 1,3,5-Trichlorobenzene
 Concen: 4.695 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU054629.D
 Acq: 20 Jun 2023 22:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005192

Tgt Ion:180 Resp: 199678

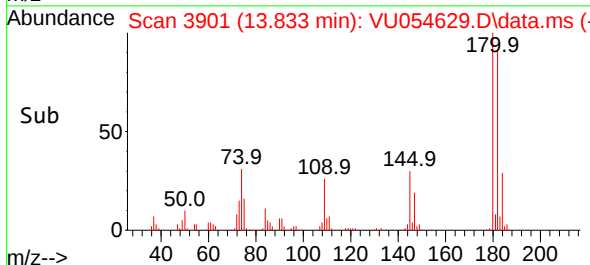
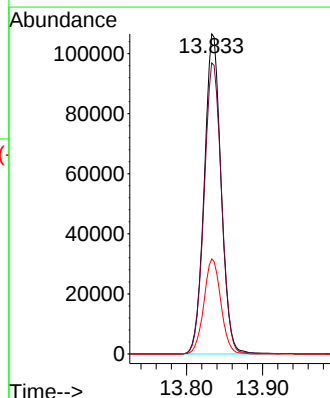
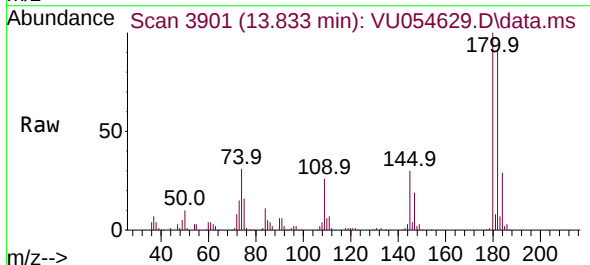
Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.0	112.6
184	30.5	24.1	36.1
145	29.8	24.1	36.1

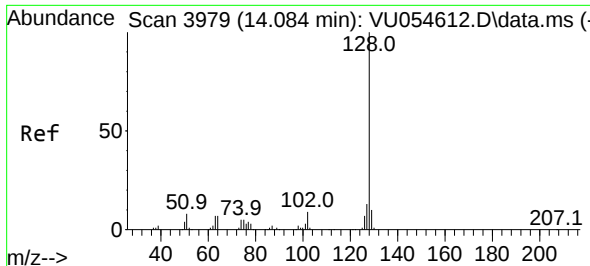


#70
 1,2,4-trichlorobenzene
 Concen: 4.640 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.003 min
 Lab File: VU054629.D
 Acq: 20 Jun 2023 22:50

Tgt Ion:180 Resp: 163174

Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.6	114.8
145	30.1	24.0	36.0

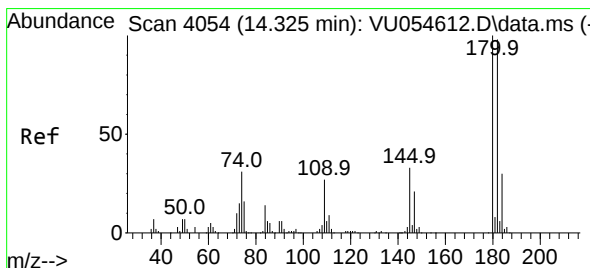
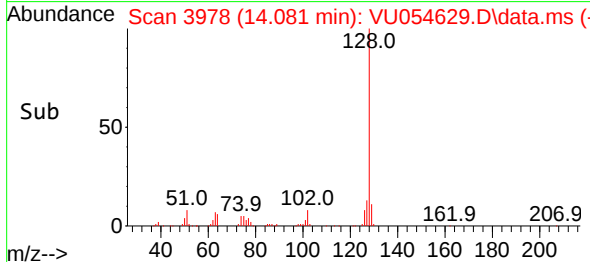
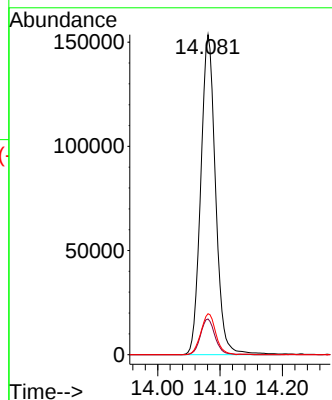
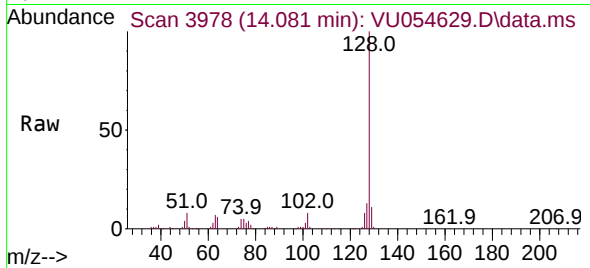




#71
Naphthalene
Concen: 4.428 ug/L
RT: 14.081 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD005192

Tgt Ion:128 Resp: 253195
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 12.9 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 4.664 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.003 min
Lab File: VU054629.D
Acq: 20 Jun 2023 22:50

Tgt Ion:180 Resp: 140910
Ion Ratio Lower Upper
180 100
182 95.5 75.4 113.2
145 32.1 26.0 39.0

