

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062123\
 Data File : VU054631.D
 Acq On : 21 Jun 2023 09:30
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005193

Quant Time: Jun 22 02:39:51 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	326724	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	313037	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	160925	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	118720	5.710	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.200%
7) Chloroethane-d5	1.914	69	91471	4.699	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.000%
11) 1,1-Dichloroethene-d2	2.567	65	45188	4.866	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.400%
20) 2-Butanone-d5	4.631	46	250711	42.885	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.760%
24) Chloroform-d	5.062	84	189836	4.368	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
26) 1,2-Dichloroethane-d4	5.698	65	90066	4.251	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
32) Benzene-d6	5.724	84	362643	4.167	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.400%
36) 1,2-Dichloropropane-d6	6.686	67	120691	4.153	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.000%
41) Toluene-d8	7.894	98	329553	4.267	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
43) trans-1,3-Dichloroprop...	8.177	79	45492	4.502	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.631	63	163402	38.541	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.080%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	86521	3.992	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	106214	3.913	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	78.200%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	135064	4.424	ug/L	100
3) Chloromethane	1.522	50	151088	4.308	ug/L	99
5) Vinyl chloride	1.605	62	162427	4.512	ug/L	99
6) Bromomethane	1.859	94	86923	4.392	ug/L	99
8) Chloroethane	1.936	64	101402	4.700	ug/L	99
9) Trichlorofluoromethane	2.139	101	204315	4.617	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.580	101	126813	4.898	ug/L	98
12) 1,1-Dichloroethene	2.580	96	108979	4.599	ug/L	84
13) Acetone	2.644	43	264143	47.920	ug/L	98
14) Carbon disulfide	2.792	76	300332	4.274	ug/L	99
15) Methyl Acetate	2.953	43	54017	5.288	ug/L	95
16) Methylene chloride	3.046	84	129058	3.873	ug/L	95
17) Methyl tert-butyl Ether	3.361	73	270284	4.621	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	110073	4.499	ug/L	98
19) 1,1-Dichloroethane	3.866	63	254511	5.026	ug/L	99
21) 2-Butanone	4.708	43	372988	52.139	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	133982	4.809	ug/L	98
23) Bromochloromethane	4.972	128	54712	4.719	ug/L	92
25) Chloroform	5.084	83	248019	4.968	ug/L	98

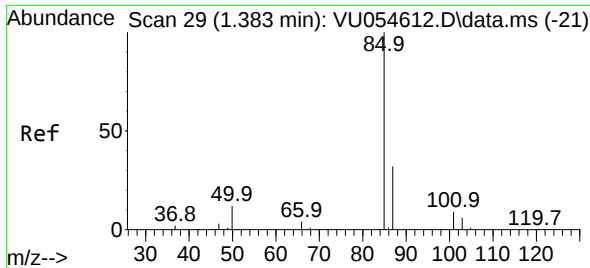
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062123\
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 ALS Vial : 2 Sample Multiplier: 1

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Quant Time: Jun 22 02:39:51 2023
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 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)
27) 1,2-Dichloroethane	5.792	62	145392	4.969	ug/L	97
29) 1,1,1-Trichloroethane	5.313	97	203552	4.795	ug/L	98
30) Cyclohexane	5.387	56	203230	4.396	ug/L	97
31) Carbon tetrachloride	5.522	117	173170	4.734	ug/L	99
33) Benzene	5.772	78	523439	4.653	ug/L	100
34) Trichloroethene	6.541	95	135110	4.542	ug/L	92
35) Methylcyclohexane	6.759	83	192250	4.275	ug/L	96
37) 1,2-Dichloropropane	6.785	63	151541	4.982	ug/L	100
38) Bromodichloromethane	7.100	83	174338	5.063	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	199426	4.802	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	836046	51.502	ug/L	96
42) Toluene	7.965	91	551611	4.761	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	166128	4.929	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	95440	4.932	ug/L	99
47) Tetrachloroethene	8.550	164	95789	4.206	ug/L	98
48) 2-Hexanone	8.679	43	612596	50.647	ug/L	96
49) Dibromochloromethane	8.804	129	100502	4.946	ug/L	94
50) 1,2-Dibromoethane	8.920	107	84205	4.740	ug/L	98
51) Chlorobenzene	9.444	112	331713	4.593	ug/L	97
52) Ethylbenzene	9.566	91	584615	4.620	ug/L	100
53) m,p-Xylene	9.689	106	216572	4.659	ug/L	95
54) o-Xylene	10.097	106	209008	4.650	ug/L	97
55) Styrene	10.110	104	364431	4.830	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.779	83	122214	4.972	ug/L	100
59) Bromoform	10.287	173	59965	5.190	ug/L	100
60) Isopropylbenzene	10.480	105	582789	4.950	ug/L	98
61) 1,2,3-Trichloropropane	10.817	75	80829	4.970	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	450274	4.688	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	459512	4.710	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	269011	4.889	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	265822	4.813	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	243353	4.808	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	19344	5.413	ug/L #	81
69) 1,3,5-Trichlorobenzene	13.213	180	202318	4.873	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	156992	4.573	ug/L	99
71) Naphthalene	14.081	128	230915	4.136	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	136947	4.643	ug/L	99

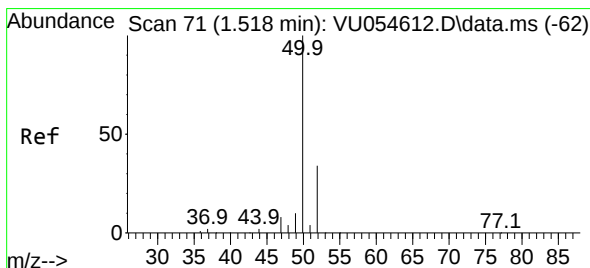
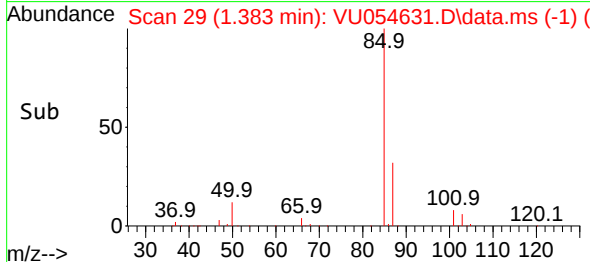
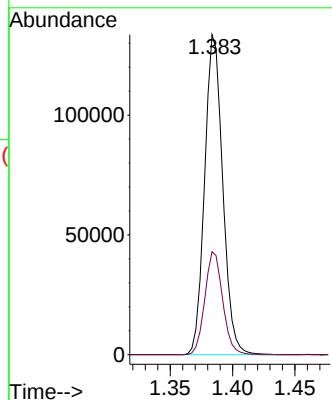
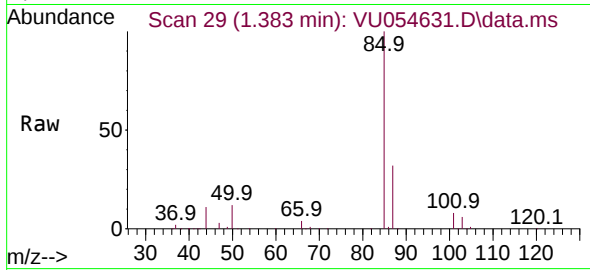
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#2
 Dichlorodifluoromethane
 Concen: 4.424 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU054631.D
 Acq: 21 Jun 2023 09:30

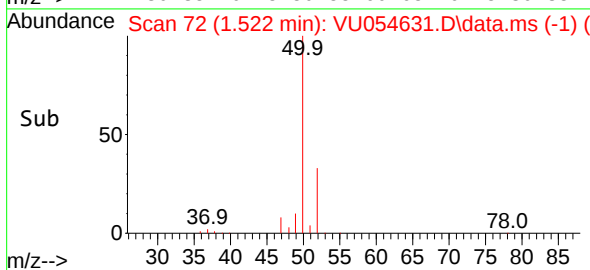
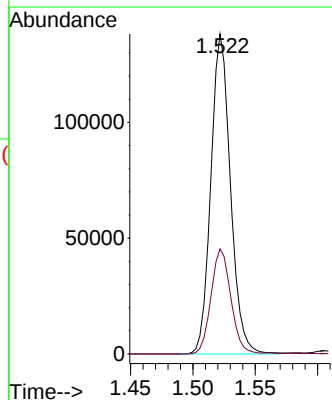
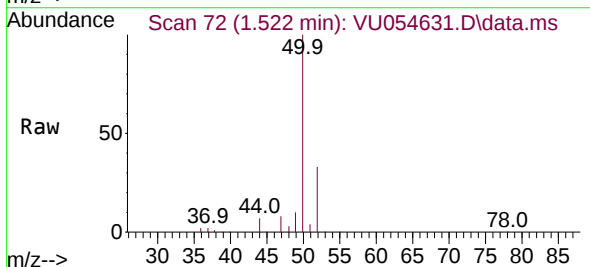
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 MSVOA_U
 ClientSampleId :
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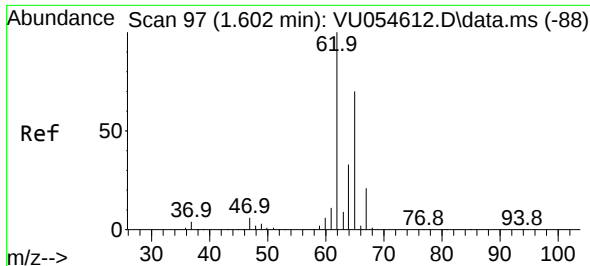
Tgt Ion: 85 Resp: 135064
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.4 38.2



#3
 Chloromethane
 Concen: 4.308 ug/L
 RT: 1.522 min Scan# 72
 Delta R.T. 0.003 min
 Lab File: VU054631.D
 Acq: 21 Jun 2023 09:30

Tgt Ion: 50 Resp: 151088
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.4 43.4

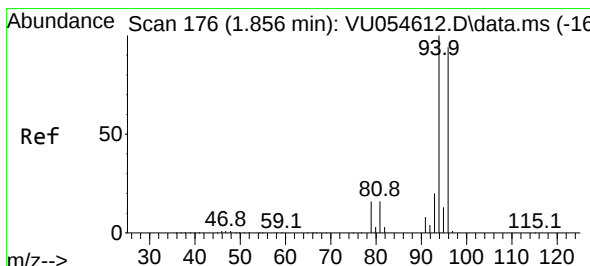
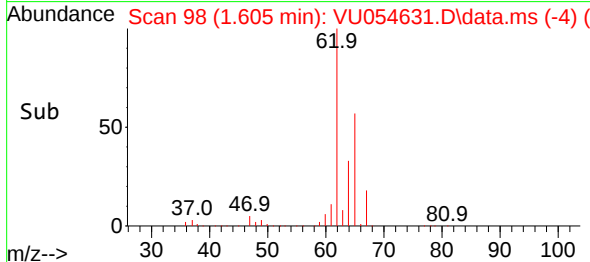
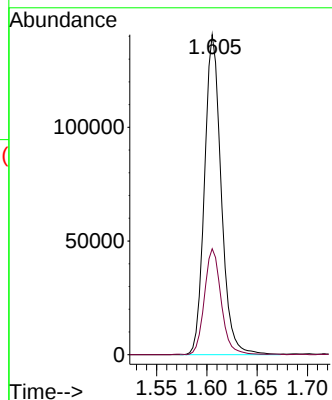
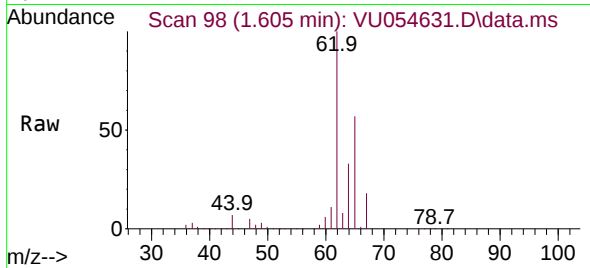




#5
 Vinyl chloride
 Concen: 4.512 ug/L
 RT: 1.605 min Scan# 97
 Delta R.T. 0.003 min
 Lab File: VU054631.D
 Acq: 21 Jun 2023 09:30

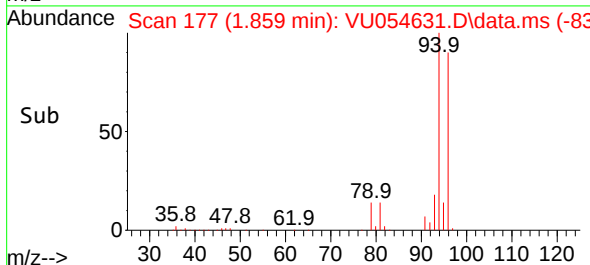
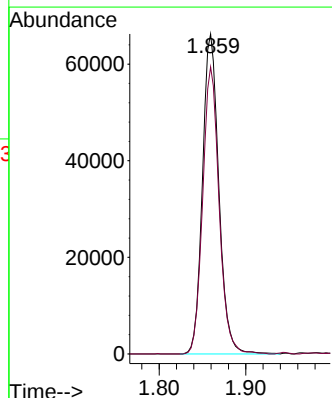
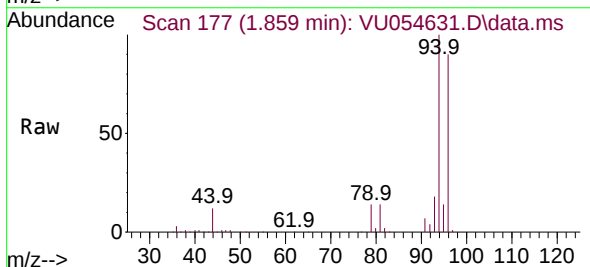
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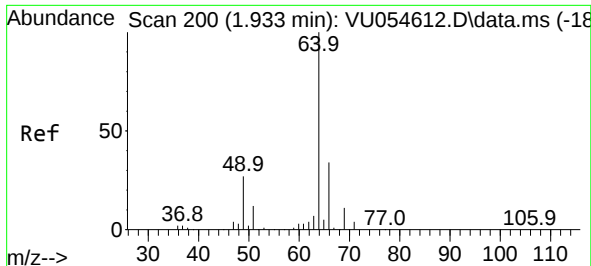
Tgt Ion: 62 Resp: 162427
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.0 42.6



#6
 Bromomethane
 Concen: 4.392 ug/L
 RT: 1.859 min Scan# 177
 Delta R.T. 0.003 min
 Lab File: VU054631.D
 Acq: 21 Jun 2023 09:30

Tgt Ion: 94 Resp: 86923
 Ion Ratio Lower Upper
 94 100
 96 89.7 63.6 118.2

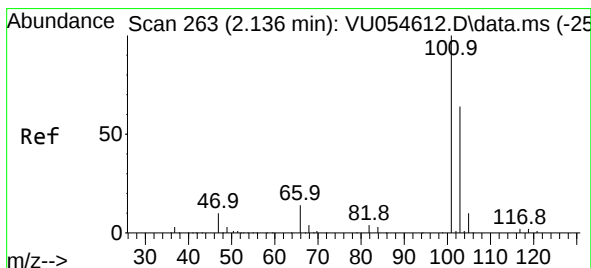
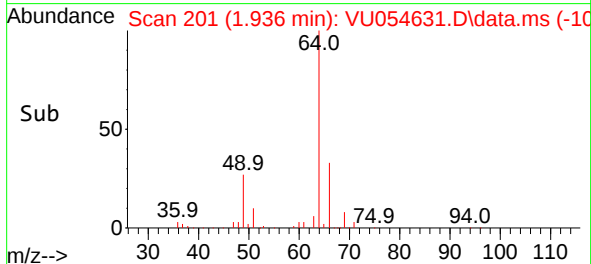
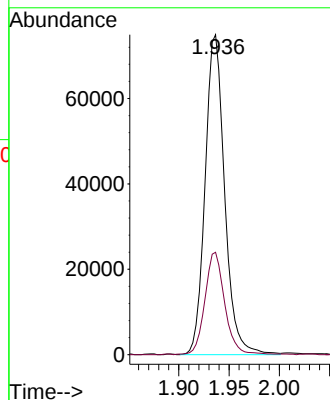
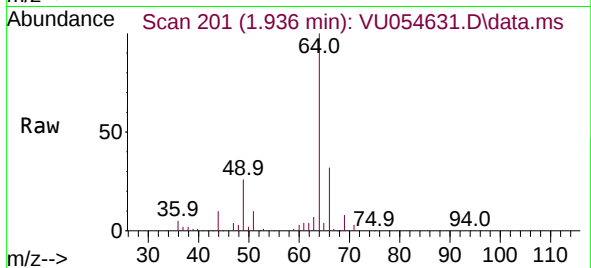




#8
Chloroethane
Concen: 4.700 ug/L
RT: 1.936 min Scan# 200
Delta R.T. 0.003 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

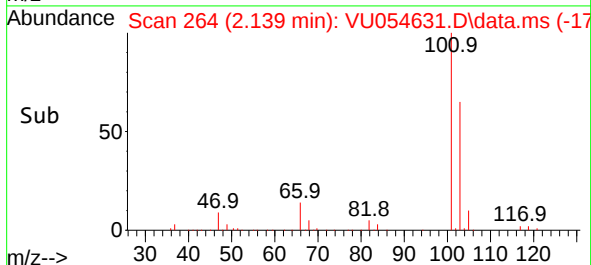
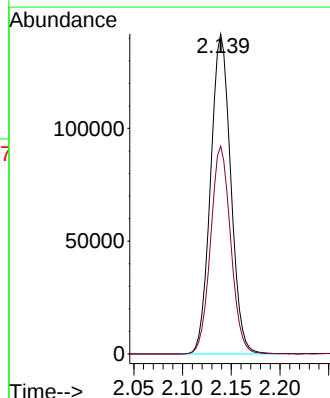
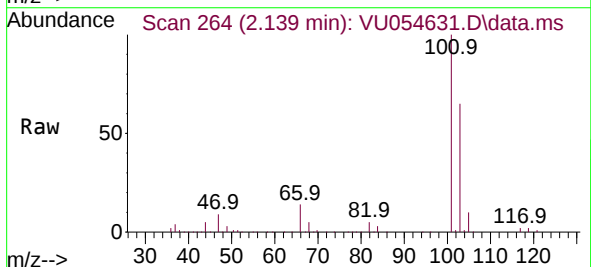
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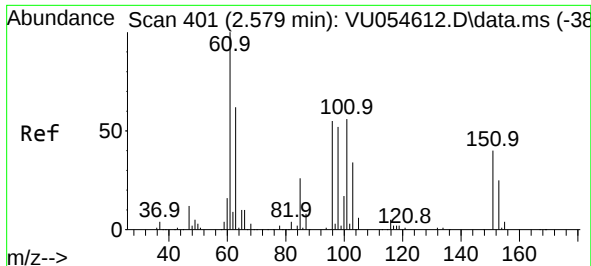
Tgt Ion: 64 Resp: 101402
Ion Ratio Lower Upper
64 100
66 32.0 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.617 ug/L
RT: 2.139 min Scan# 264
Delta R.T. 0.003 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

Tgt Ion:101 Resp: 204315
Ion Ratio Lower Upper
101 100
103 64.9 50.6 75.8

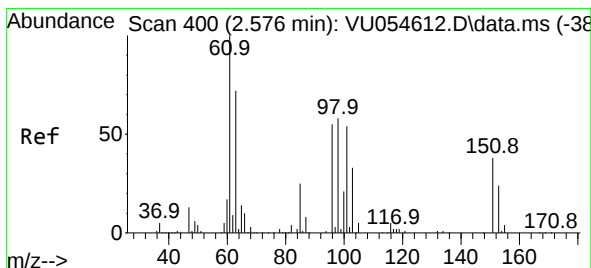
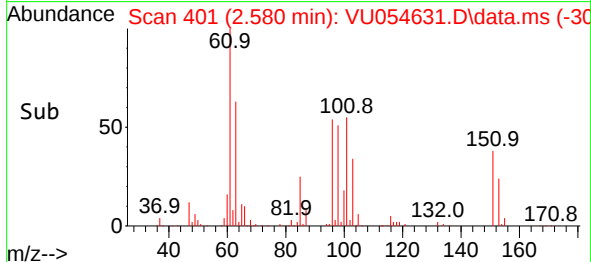
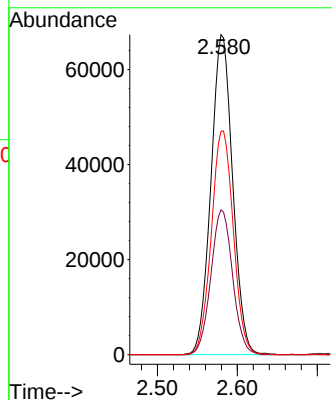
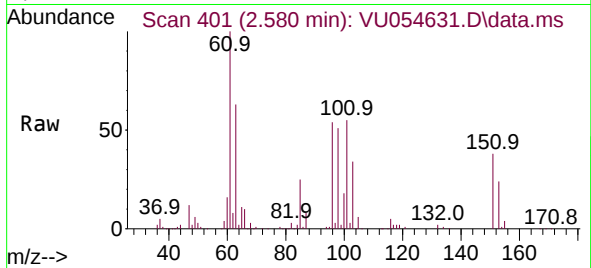




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.898 ug/L
 RT: 2.580 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU054631.D
 Acq: 21 Jun 2023 09:30

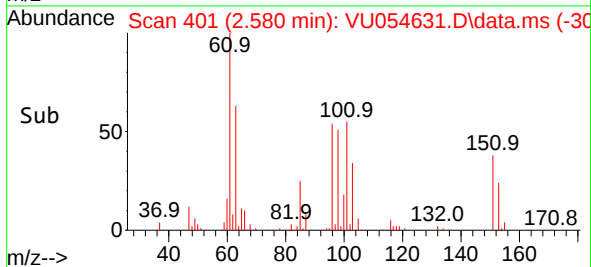
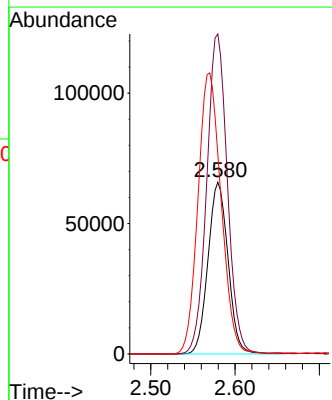
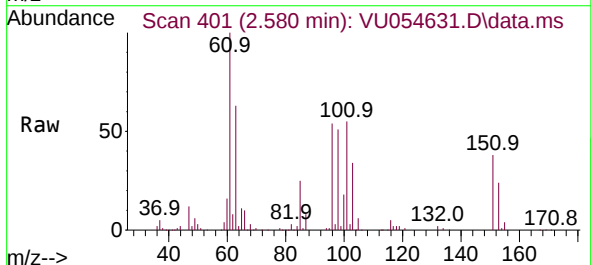
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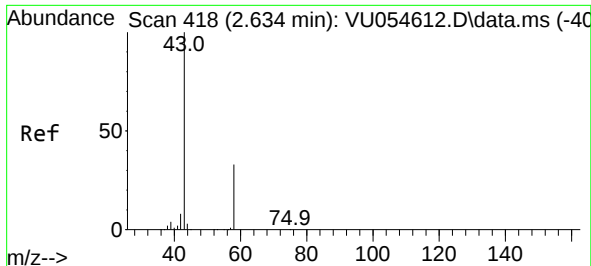
Tgt Ion:101 Resp: 126813
 Ion Ratio Lower Upper
 101 100
 85 45.2 34.6 51.8
 151 71.0 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 4.599 ug/L
 RT: 2.580 min Scan# 401
 Delta R.T. 0.003 min
 Lab File: VU054631.D
 Acq: 21 Jun 2023 09:30

Tgt Ion: 96 Resp: 108979
 Ion Ratio Lower Upper
 96 100
 61 186.3 119.9 222.7
 63 116.6 64.3 119.3





#13

Acetone

Concen: 47.920 ug/L

RT: 2.644 min Scan# 418

Delta R.T. 0.010 min

Lab File: VU054631.D

Acq: 21 Jun 2023 09:30

Instrument :

MSVOA_U

ClientSampleId :

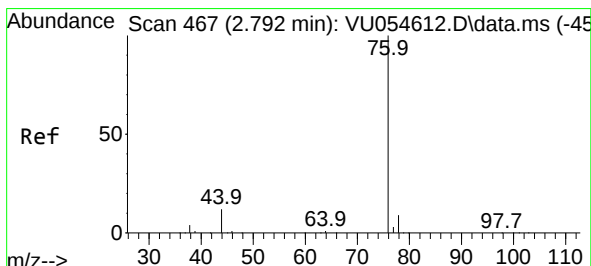
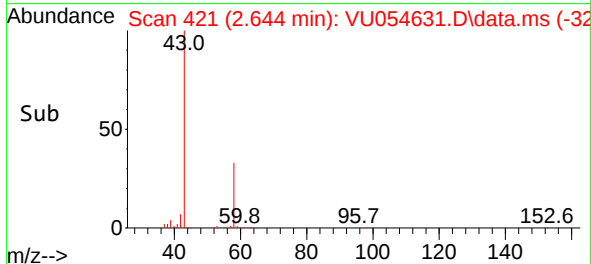
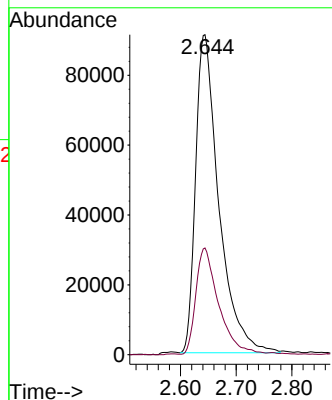
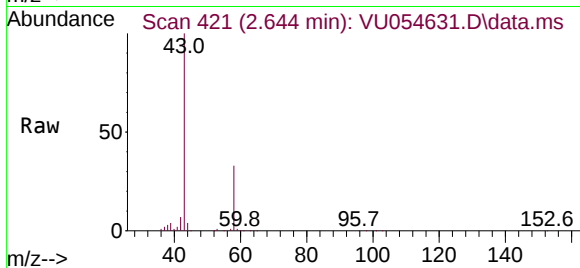
VSTD005193

Tgt Ion: 43 Resp: 264143

Ion Ratio Lower Upper

43 100

58 32.5 0.0 67.2



#14

Carbon disulfide

Concen: 4.274 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU054631.D

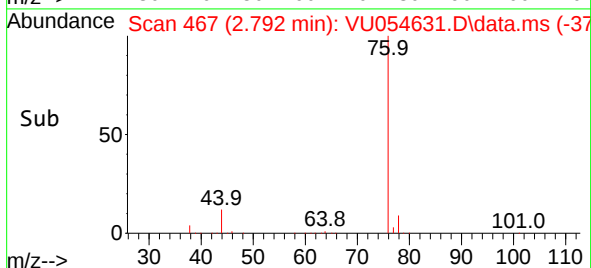
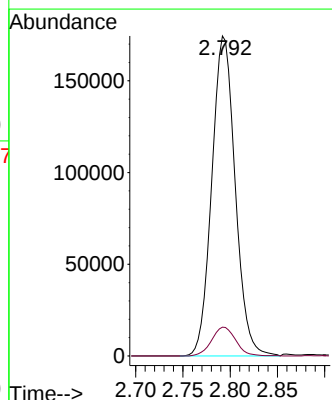
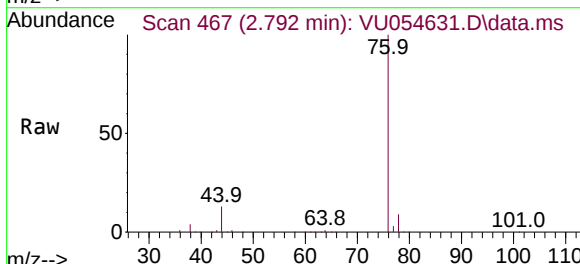
Acq: 21 Jun 2023 09:30

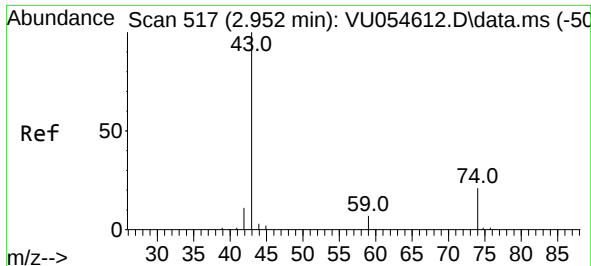
Tgt Ion: 76 Resp: 300332

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

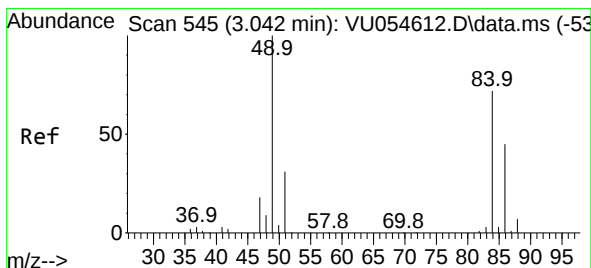
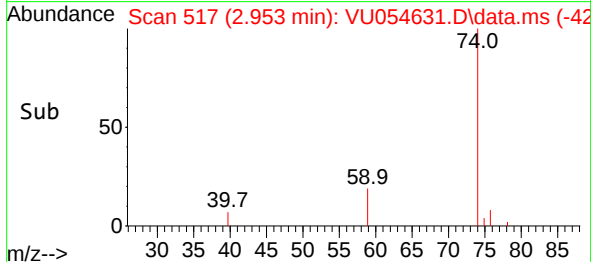
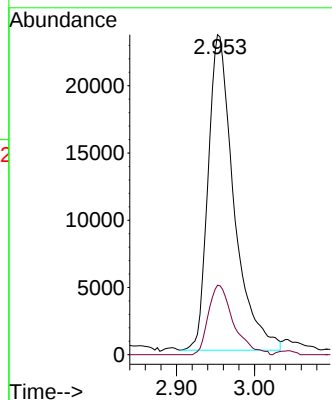
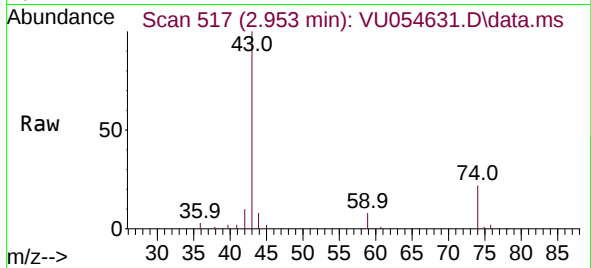




#15
Methyl Acetate
Concen: 5.288 ug/L
RT: 2.953 min Scan# 517
Delta R.T. 0.000 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

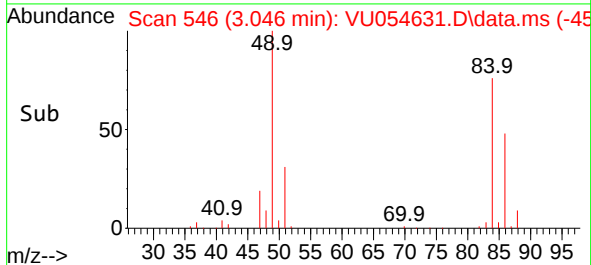
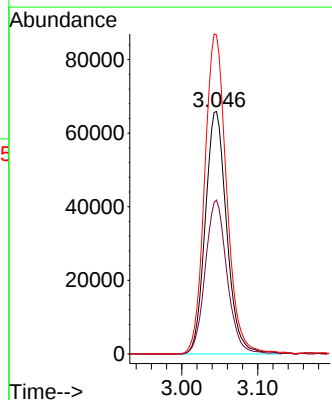
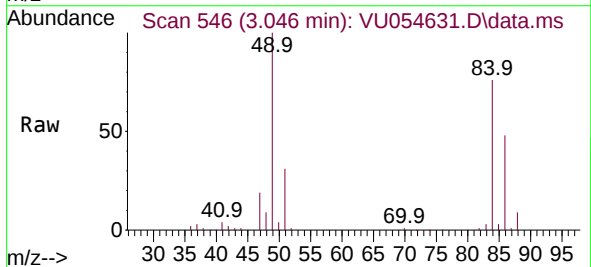
Instrument :
MSVOA_U
ClientSampleId :
VSTD005193

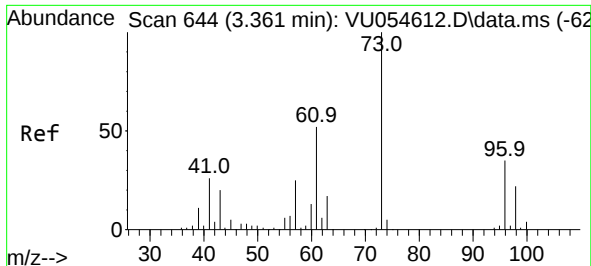
Tgt Ion: 43 Resp: 54017
Ion Ratio Lower Upper
43 100
74 21.4 19.0 28.6



#16
Methylene chloride
Concen: 3.873 ug/L
RT: 3.046 min Scan# 546
Delta R.T. 0.003 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

Tgt Ion: 84 Resp: 129058
Ion Ratio Lower Upper
84 100
86 63.5 43.9 81.5
49 131.6 86.1 159.9





#17

Methyl tert-butyl Ether

Concen: 4.621 ug/L

RT: 3.361 min Scan# 644

Delta R.T. 0.000 min

Lab File: VU054631.D

Acq: 21 Jun 2023 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD005193

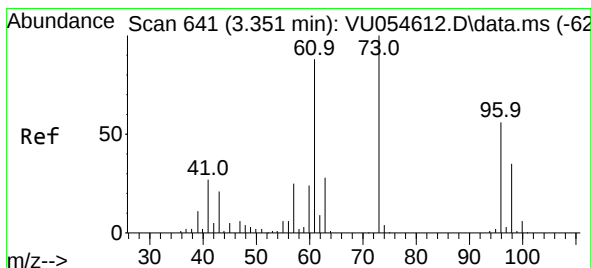
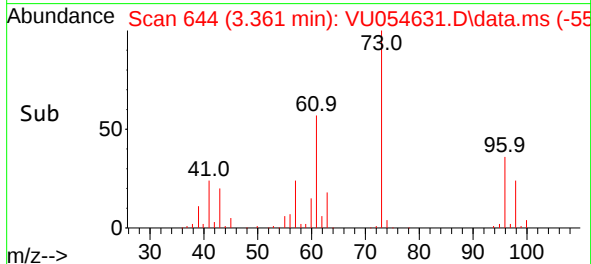
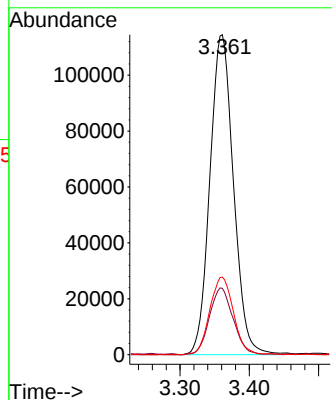
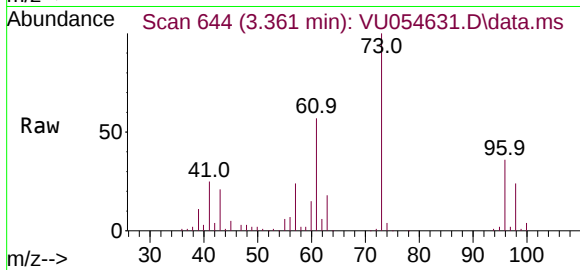
Tgt Ion: 73 Resp: 270284

Ion Ratio Lower Upper

73 100

43 21.0 15.7 23.5

57 24.3 18.6 28.0



#18

trans-1,2-Dichloroethene

Concen: 4.499 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.000 min

Lab File: VU054631.D

Acq: 21 Jun 2023 09:30

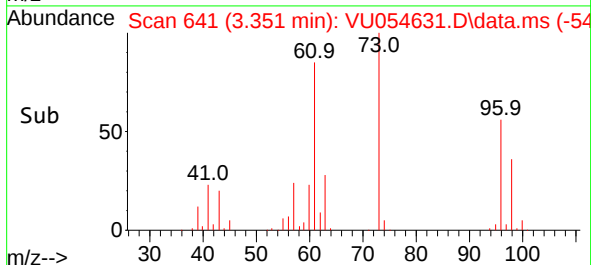
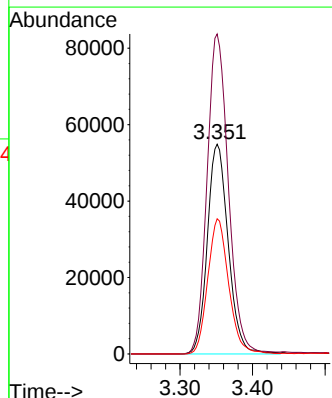
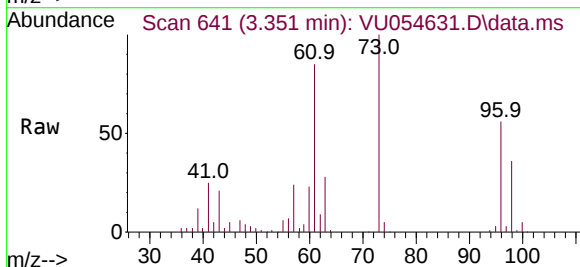
Tgt Ion: 96 Resp: 110073

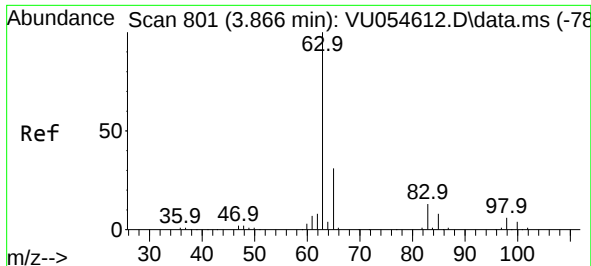
Ion Ratio Lower Upper

96 100

61 152.6 104.6 194.2

98 64.4 45.4 84.4

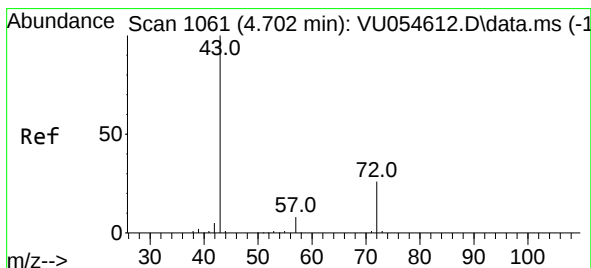
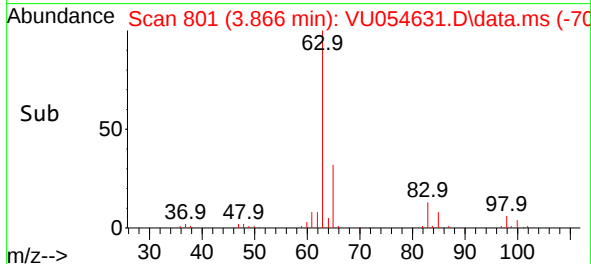
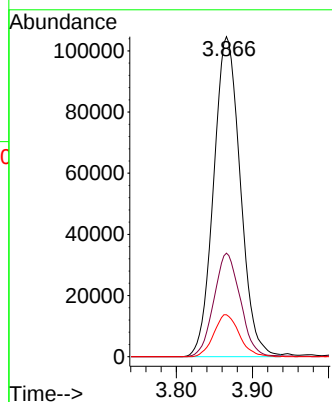
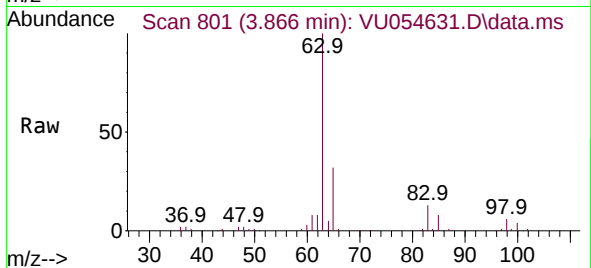




#19
1,1-Dichloroethane
Concen: 5.026 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

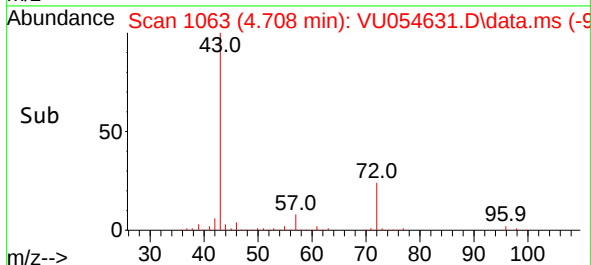
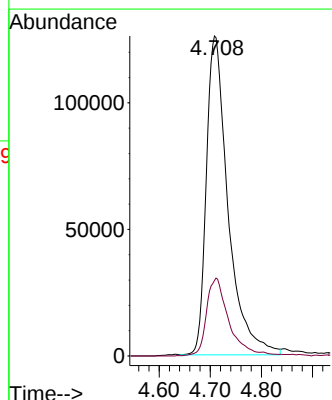
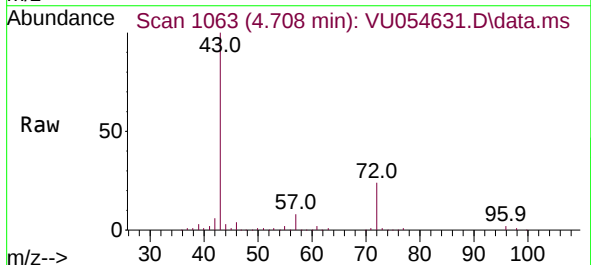
Instrument :
MSVOA_U
ClientSampleId :
VSTD005193

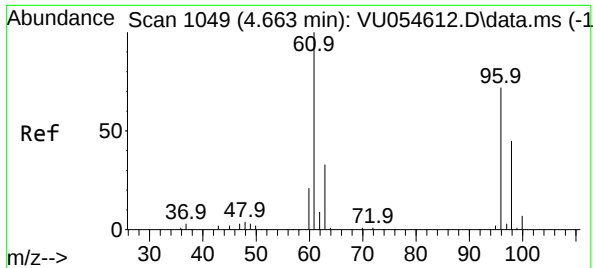
Tgt Ion: 63 Resp: 254511
Ion Ratio Lower Upper
63 100
65 32.3 22.2 41.2
83 13.1 9.0 16.6



#21
2-Butanone
Concen: 52.139 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. 0.007 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

Tgt Ion: 43 Resp: 372988
Ion Ratio Lower Upper
43 100
72 24.6 13.4 40.1

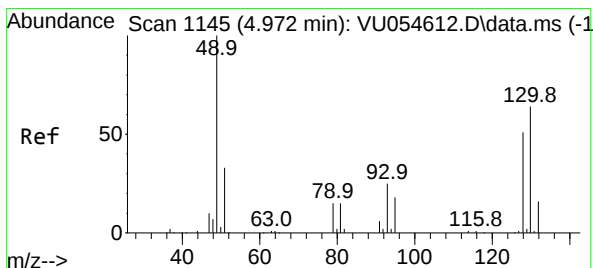
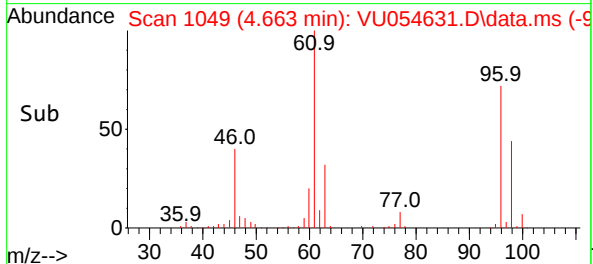
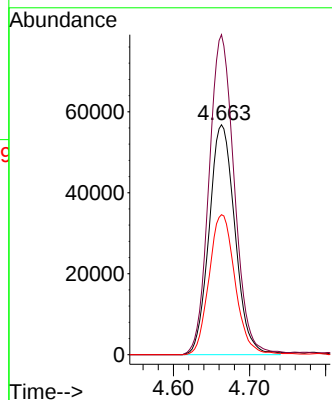
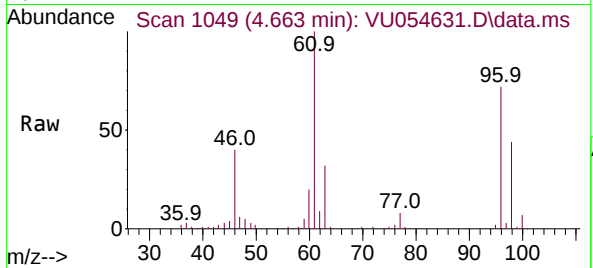




#22
 cis-1,2-Dichloroethene
 Concen: 4.809 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU054631.D
 Acq: 21 Jun 2023 09:30

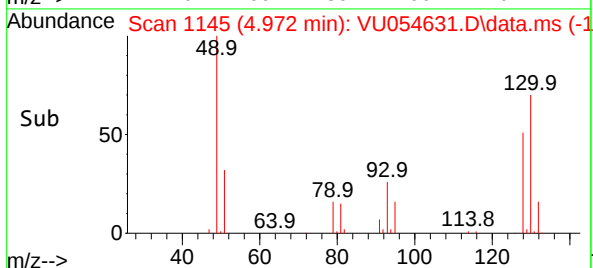
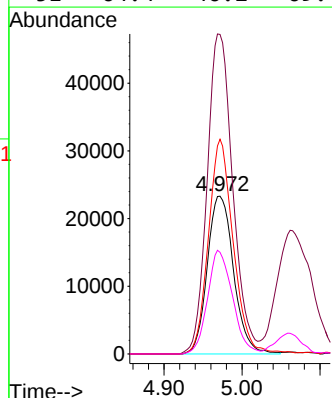
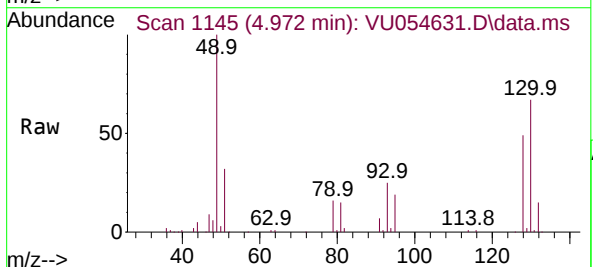
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005193

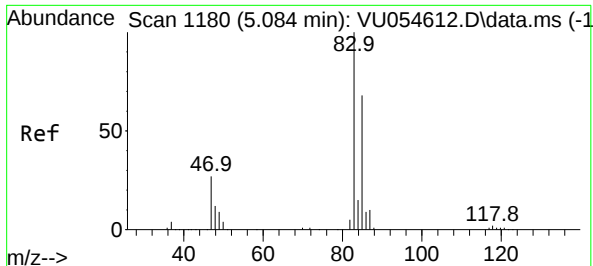
Tgt Ion: 96 Resp: 133982
 Ion Ratio Lower Upper
 96 100
 61 139.1 96.5 179.1
 98 60.9 44.9 83.3



#23
 Bromochloromethane
 Concen: 4.719 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. 0.000 min
 Lab File: VU054631.D
 Acq: 21 Jun 2023 09:30

Tgt Ion: 128 Resp: 54712
 Ion Ratio Lower Upper
 128 100
 49 202.6 132.1 245.3
 130 136.1 91.5 169.9
 51 64.4 46.2 69.4





#25

Chloroform

Concen: 4.968 ug/L

RT: 5.084 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU054631.D

Acq: 21 Jun 2023 09:30

Instrument :

MSVOA_U

ClientSampleId :

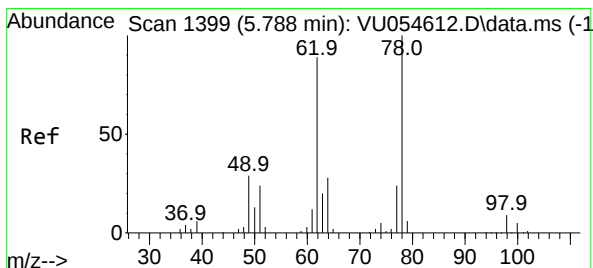
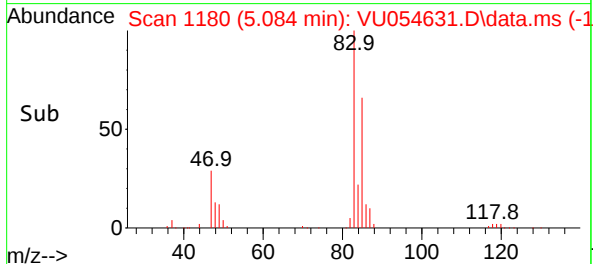
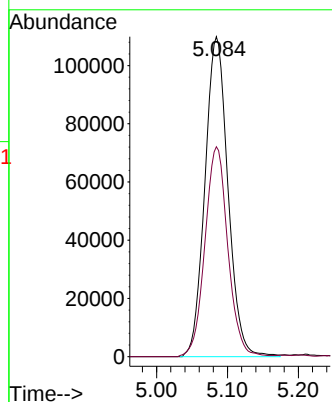
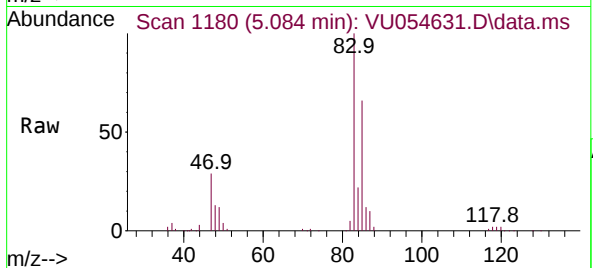
VSTD005193

Tgt Ion: 83 Resp: 248019

Ion Ratio Lower Upper

83 100

85 65.6 44.7 82.9



#27

1,2-Dichloroethane

Concen: 4.969 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.003 min

Lab File: VU054631.D

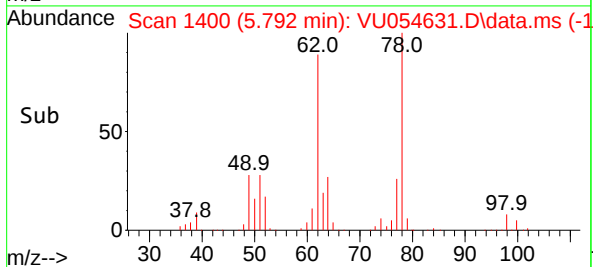
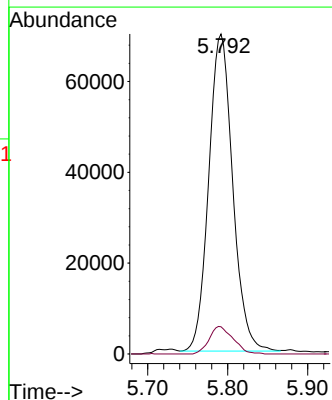
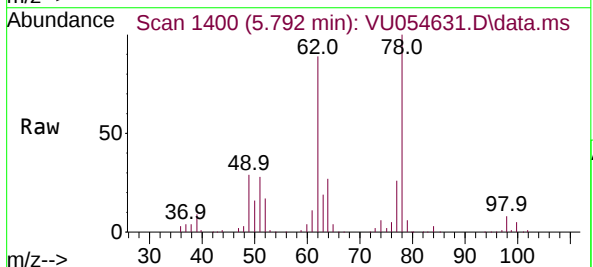
Acq: 21 Jun 2023 09:30

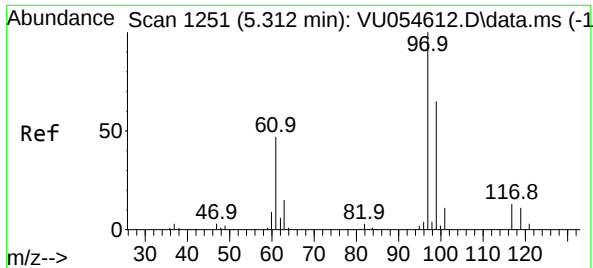
Tgt Ion: 62 Resp: 145392

Ion Ratio Lower Upper

62 100

98 8.5 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 4.795 ug/L

RT: 5.313 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054631.D

Acq: 21 Jun 2023 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD005193

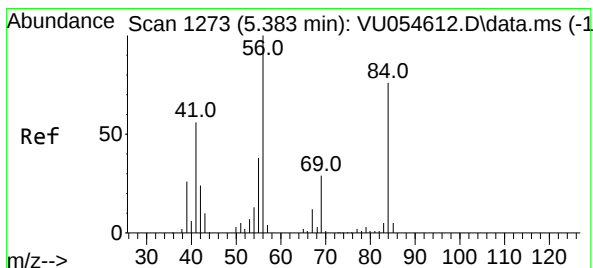
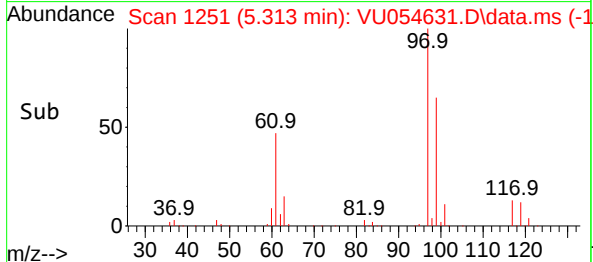
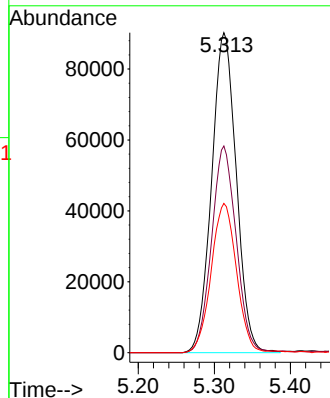
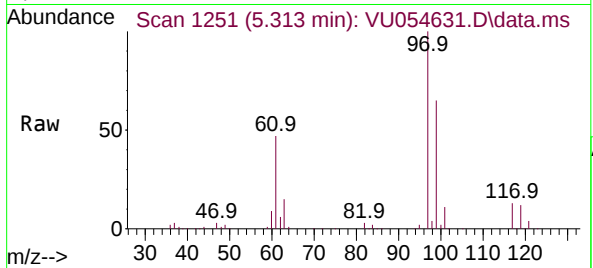
Tgt Ion: 97 Resp: 203552

Ion Ratio Lower Upper

97 100

99 64.4 50.8 76.2

61 47.8 36.1 54.1



#30

Cyclohexane

Concen: 4.396 ug/L

RT: 5.387 min Scan# 1274

Delta R.T. 0.003 min

Lab File: VU054631.D

Acq: 21 Jun 2023 09:30

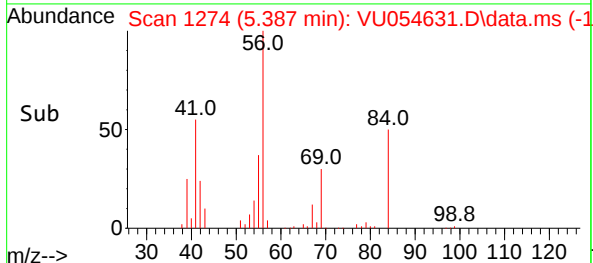
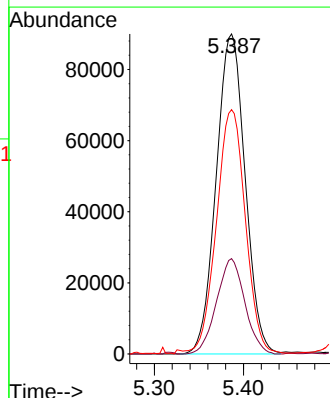
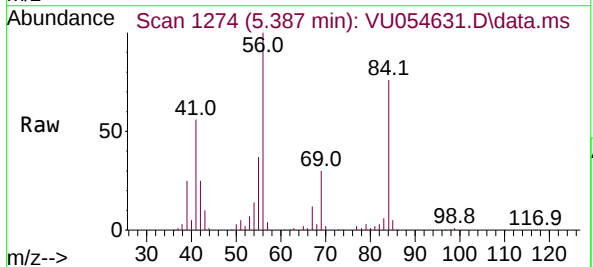
Tgt Ion: 56 Resp: 203230

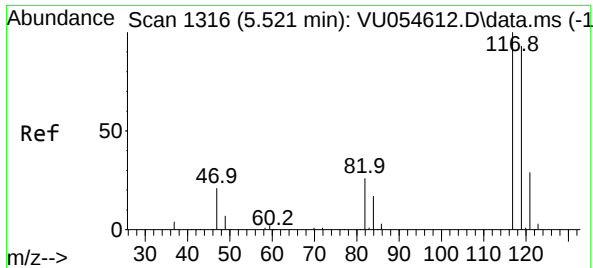
Ion Ratio Lower Upper

56 100

69 29.0 23.9 35.9

84 75.5 63.0 94.6

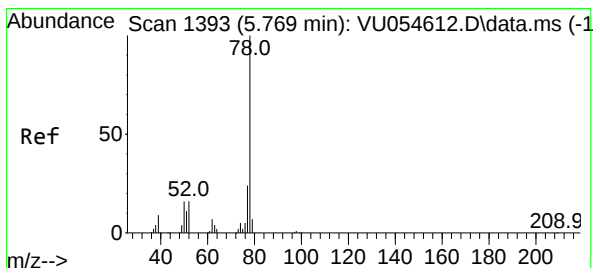
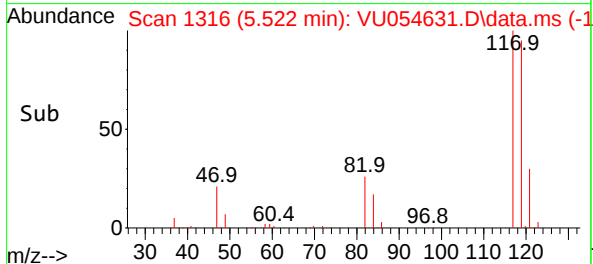
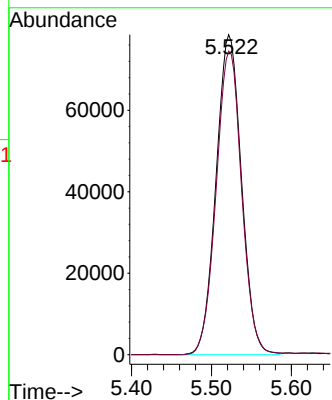
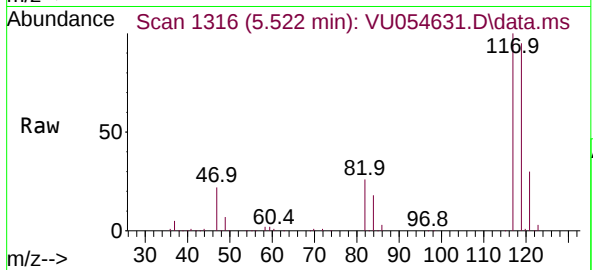




#31
Carbon tetrachloride
Concen: 4.734 ug/L
RT: 5.522 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

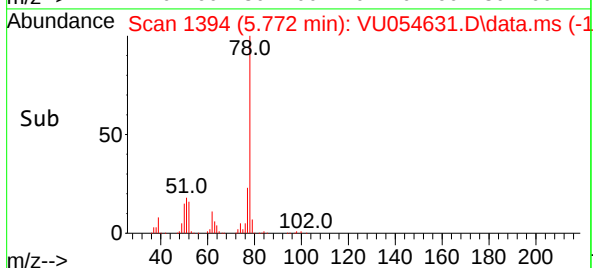
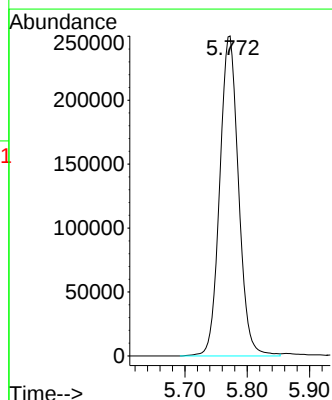
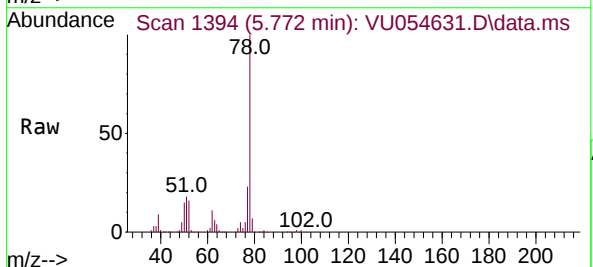
Instrument :
MSVOA_U
ClientSampleId :
VSTD005193

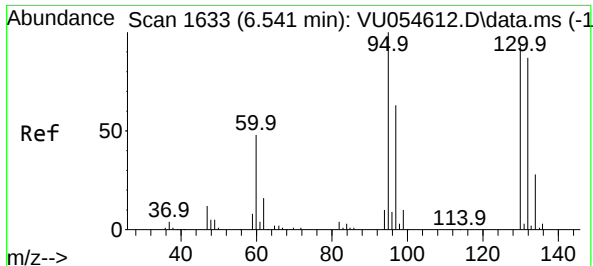
Tgt Ion:117 Resp: 173170
Ion Ratio Lower Upper
117 100
119 95.3 76.8 115.2



#33
Benzene
Concen: 4.653 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

Tgt Ion: 78 Resp: 523439

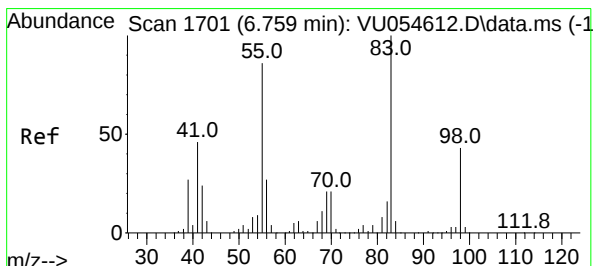
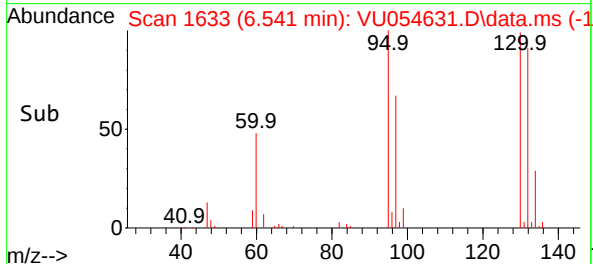
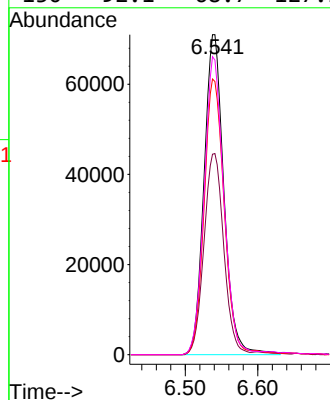
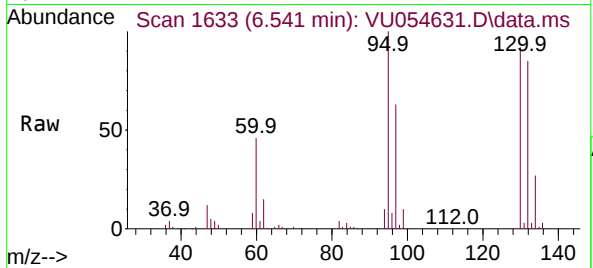




#34
Trichloroethene
Concen: 4.542 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.000 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

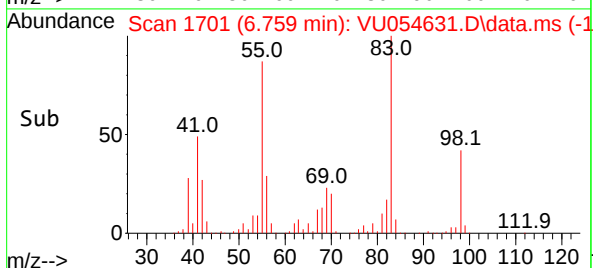
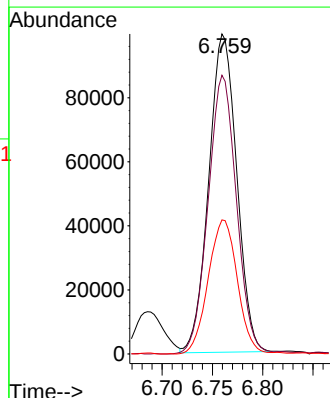
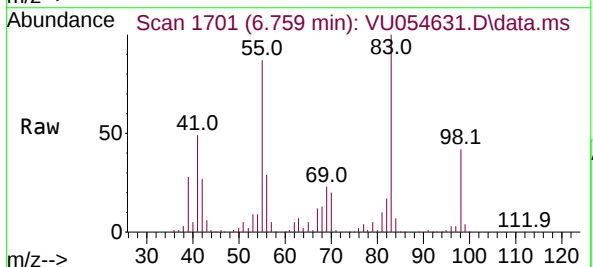
Instrument :
MSVOA_U
ClientSampleId :
VSTD005193

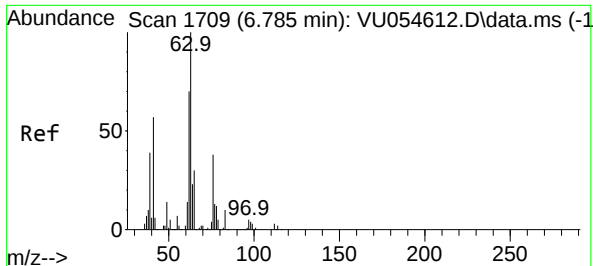
Tgt Ion: 95 Resp: 135110
Ion Ratio Lower Upper
95 100
97 62.9 46.8 87.0
132 85.4 68.4 127.0
130 92.1 68.7 127.5



#35
Methylcyclohexane
Concen: 4.275 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

Tgt Ion: 83 Resp: 192250
Ion Ratio Lower Upper
83 100
55 88.9 67.1 100.7
98 43.9 35.1 52.7

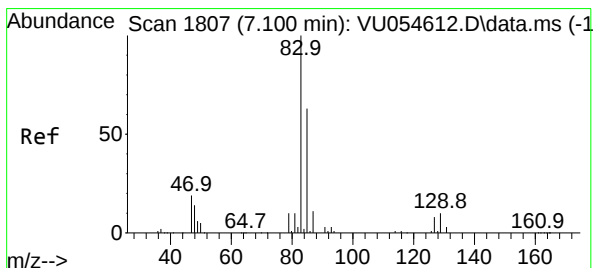
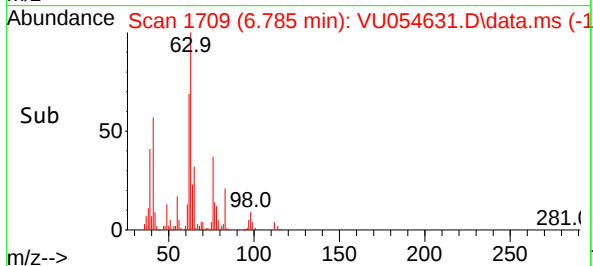
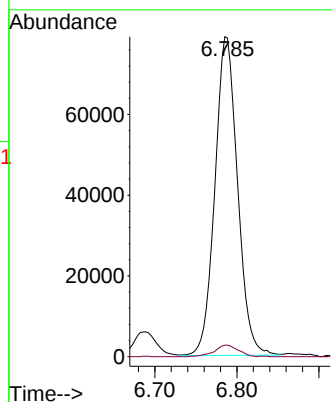
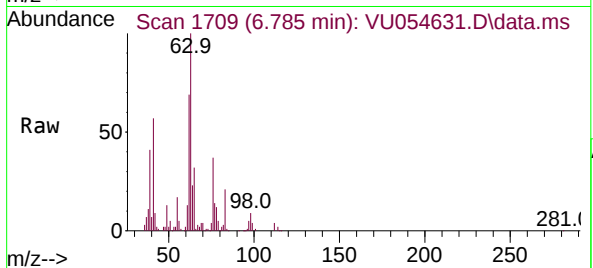




#37
1,2-Dichloropropane
Concen: 4.982 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.000 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

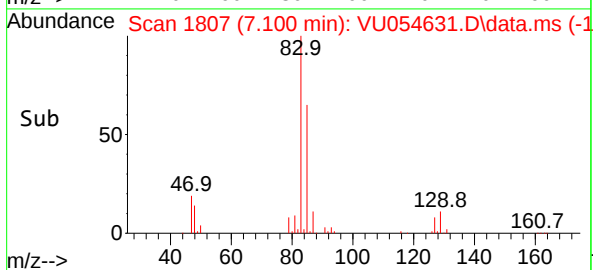
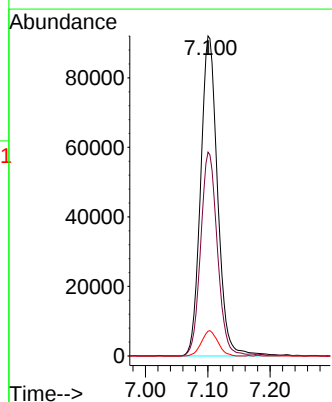
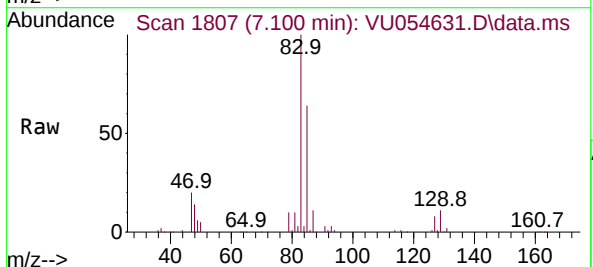
Instrument :
MSVOA_U
ClientSampleId :
VSTD005193

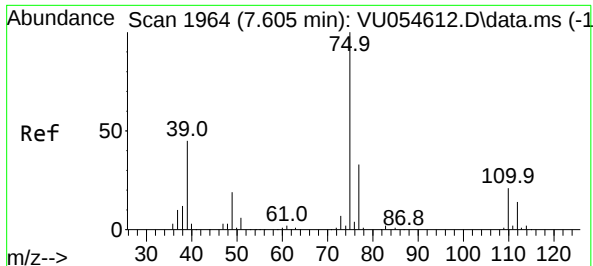
Tgt Ion: 63 Resp: 151541
Ion Ratio Lower Upper
63 100
112 3.8 3.0 4.6



#38
Bromodichloromethane
Concen: 5.063 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

Tgt Ion: 83 Resp: 174338
Ion Ratio Lower Upper
83 100
85 63.7 44.1 81.9
127 7.8 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.802 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU054631.D

Acq: 21 Jun 2023 09:30

Instrument :

MSVOA_U

ClientSampleId :

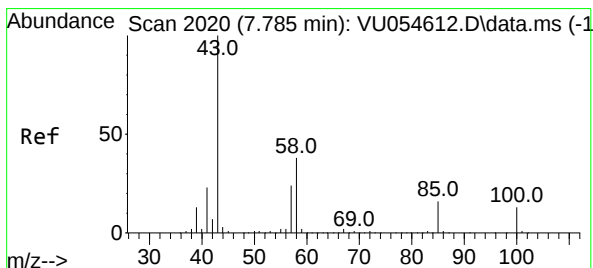
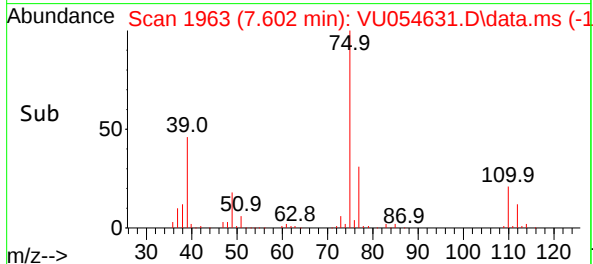
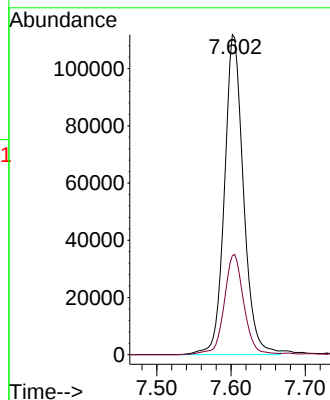
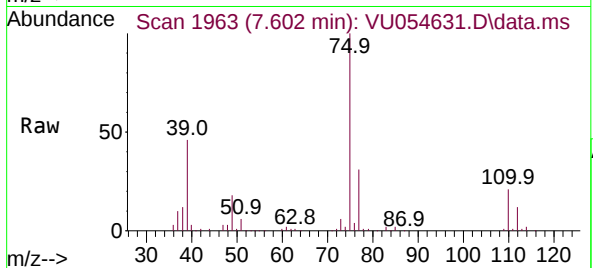
VSTD005193

Tgt Ion: 75 Resp: 199426

Ion Ratio Lower Upper

75 100

77 31.0 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 51.502 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU054631.D

Acq: 21 Jun 2023 09:30

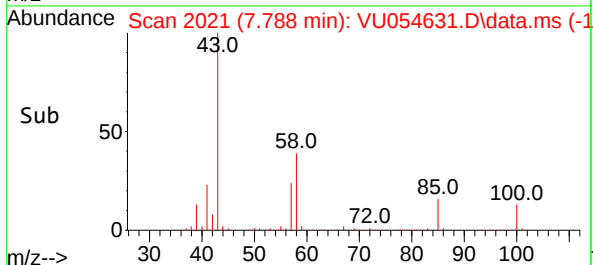
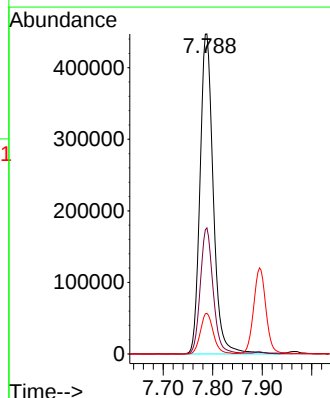
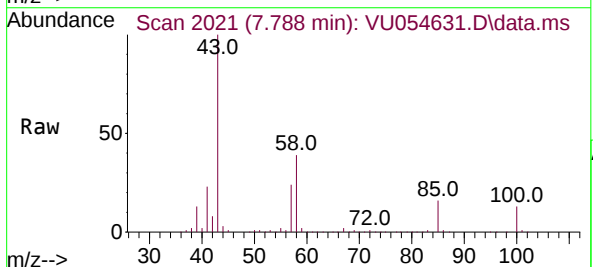
Tgt Ion: 43 Resp: 836046

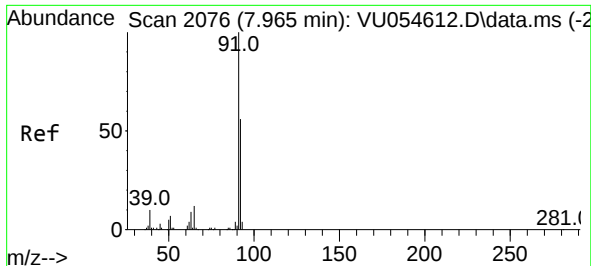
Ion Ratio Lower Upper

43 100

58 38.2 32.4 48.6

100 12.5 11.4 17.2





#42

Toluene

Concen: 4.761 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054631.D

Acq: 21 Jun 2023 09:30

Instrument :

MSVOA_U

ClientSampleId :

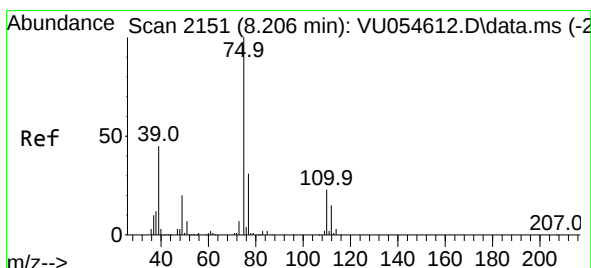
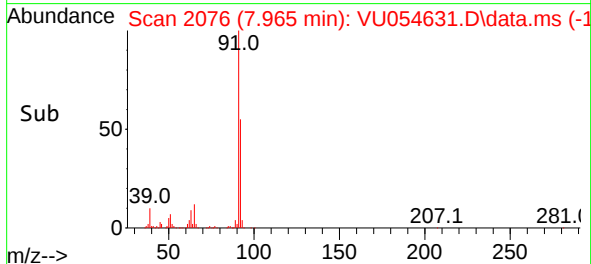
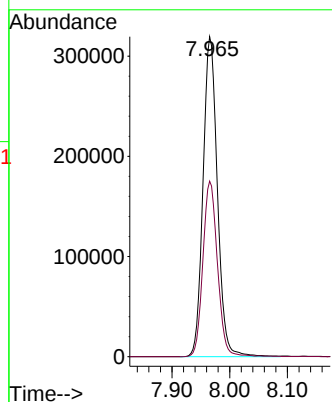
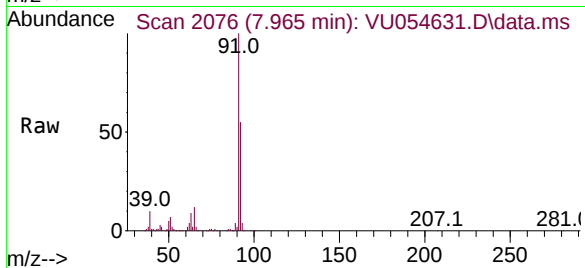
VSTD005193

Tgt Ion: 91 Resp: 551611

Ion Ratio Lower Upper

91 100

92 54.8 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 4.929 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU054631.D

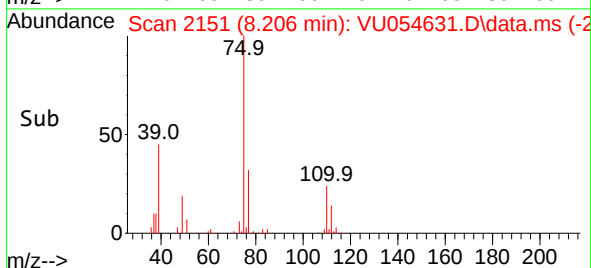
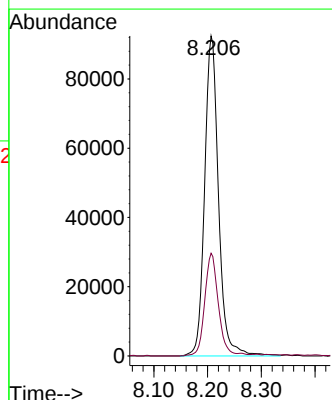
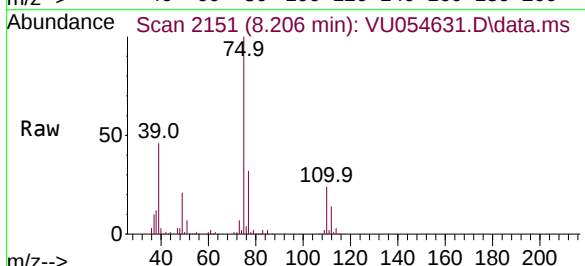
Acq: 21 Jun 2023 09:30

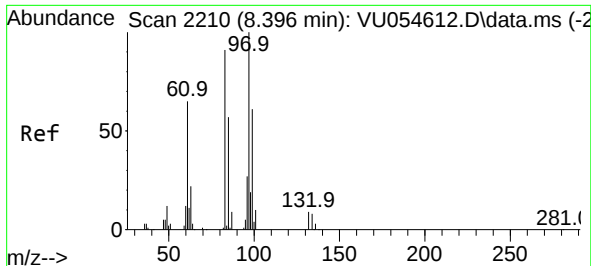
Tgt Ion: 75 Resp: 166128

Ion Ratio Lower Upper

75 100

77 32.1 21.3 39.6

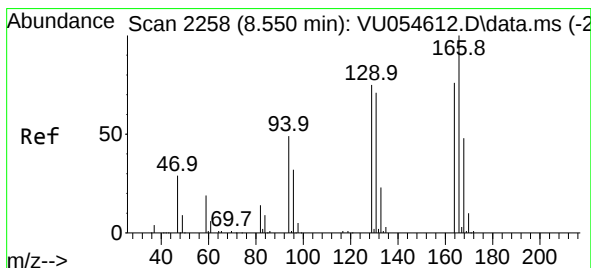
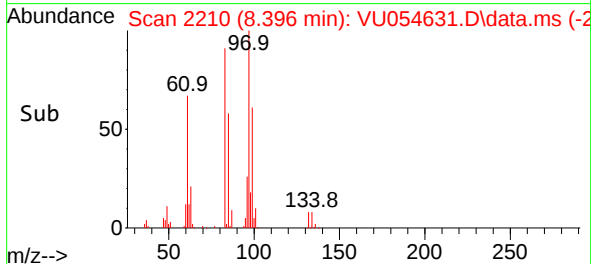
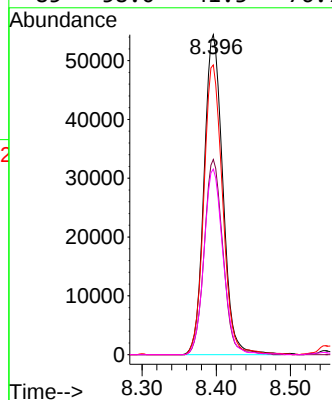
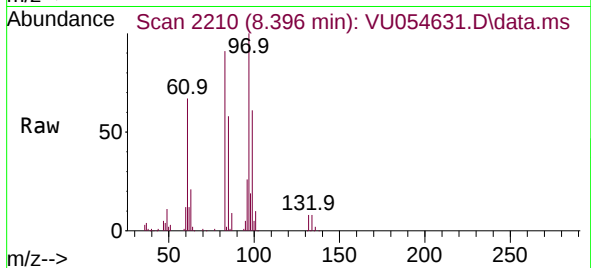




#45
1,1,2-Trichloroethane
Concen: 4.932 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

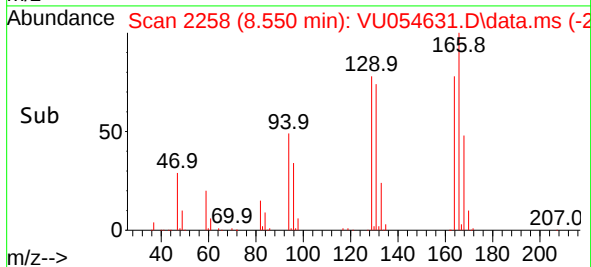
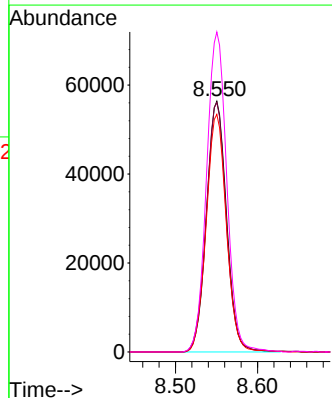
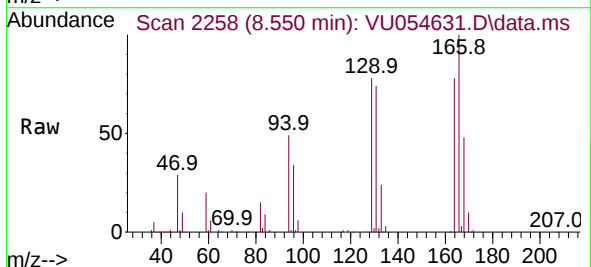
Instrument :
MSVOA_U
ClientSampleId :
VSTD005193

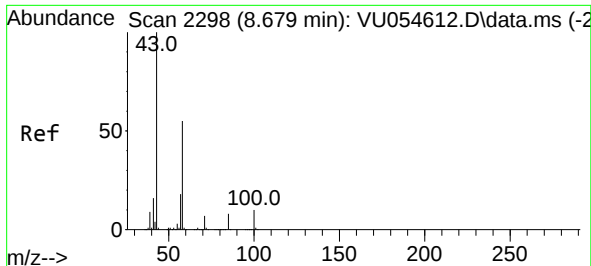
Tgt Ion:	97	Resp:	95440
Ion	Ratio	Lower	Upper
97	100		
99	61.0	43.0	80.0
83	90.5	63.8	118.6
85	58.0	41.3	76.7



#47
Tetrachloroethene
Concen: 4.206 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

Tgt Ion:	164	Resp:	95789
Ion	Ratio	Lower	Upper
164	100		
129	99.5	67.7	125.7
131	94.8	64.6	120.0
166	127.6	88.1	163.7



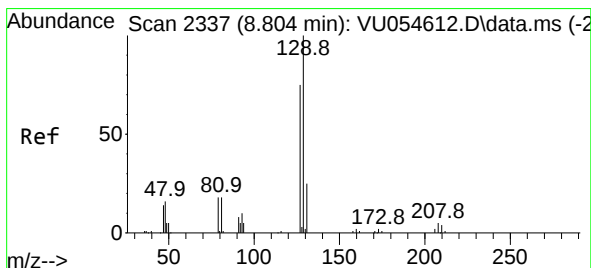
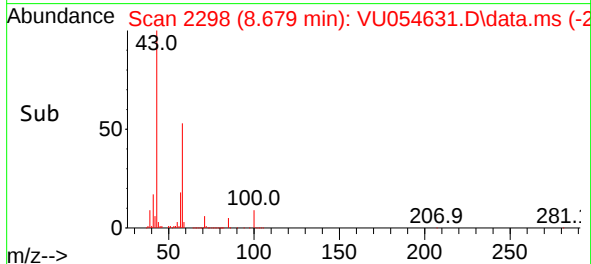
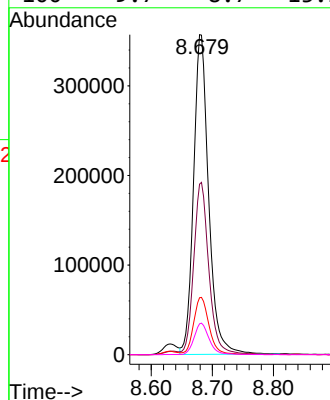
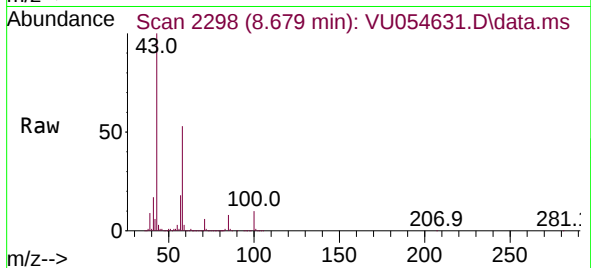


#48
2-Hexanone
Concen: 50.647 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD005193

Tgt Ion: 43 Resp: 612596

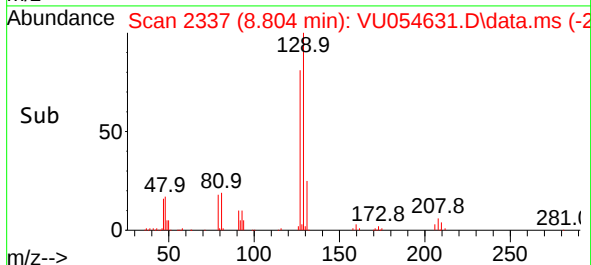
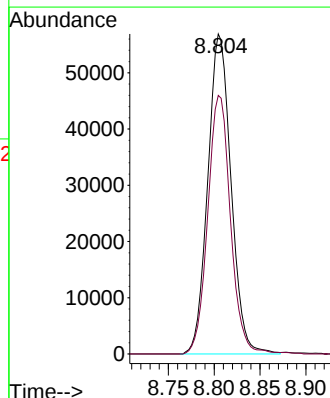
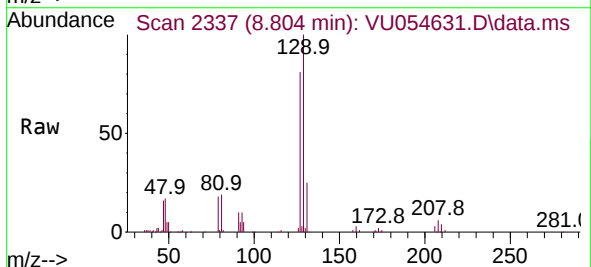
Ion	Ratio	Lower	Upper
43	100		
58	53.2	45.2	67.8
57	18.1	15.8	23.6
100	9.7	8.7	13.1

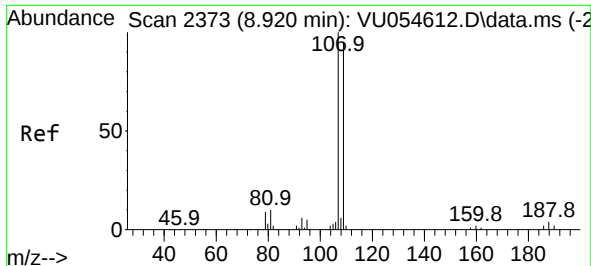


#49
Dibromochloromethane
Concen: 4.946 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

Tgt Ion: 129 Resp: 100502

Ion	Ratio	Lower	Upper
129	100		
127	80.8	53.2	98.8





#50

1,2-Dibromoethane

Concen: 4.740 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054631.D

Acq: 21 Jun 2023 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD005193

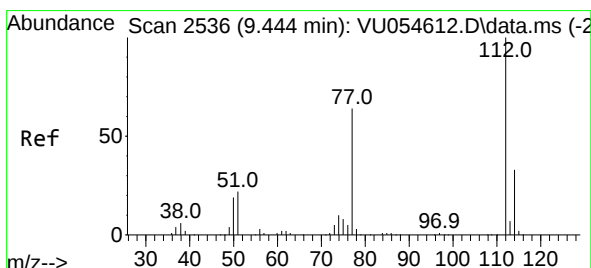
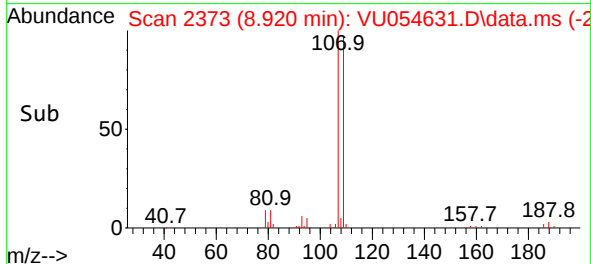
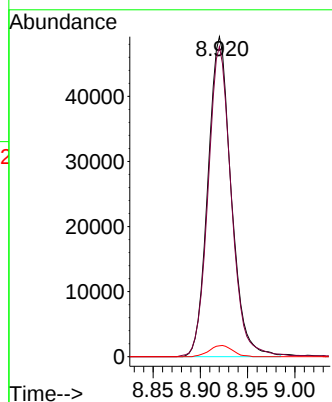
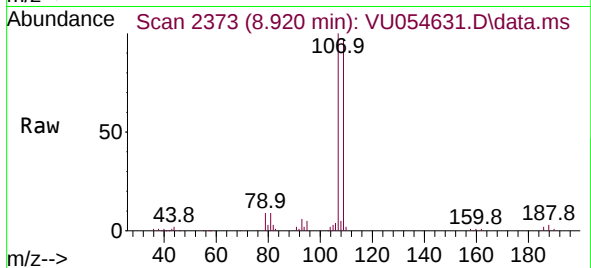
Tgt Ion:107 Resp: 84205

Ion Ratio Lower Upper

107 100

109 96.9 66.6 123.6

188 3.4 3.1 4.7



#51

Chlorobenzene

Concen: 4.593 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU054631.D

Acq: 21 Jun 2023 09:30

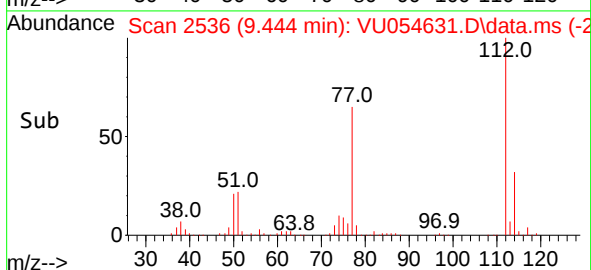
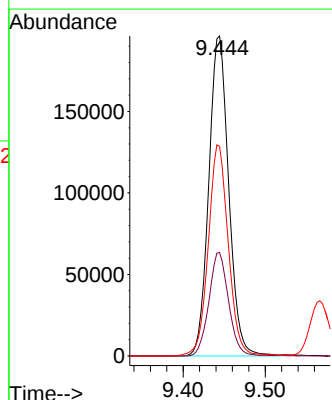
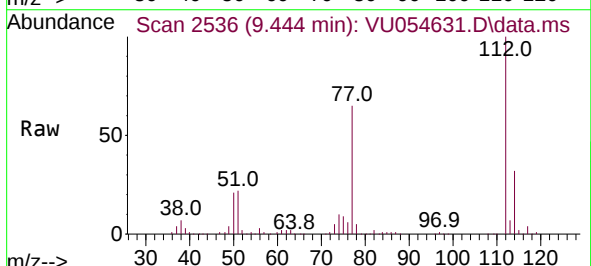
Tgt Ion:112 Resp: 331713

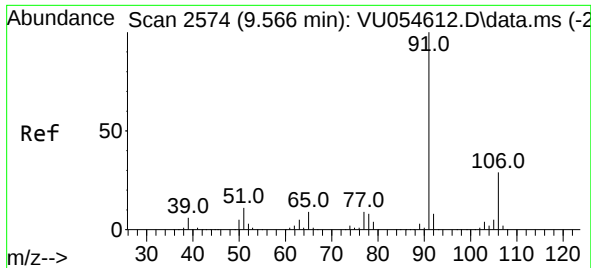
Ion Ratio Lower Upper

112 100

114 32.3 22.7 42.1

77 65.5 49.8 74.8

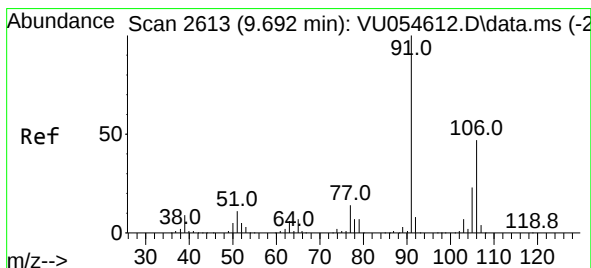
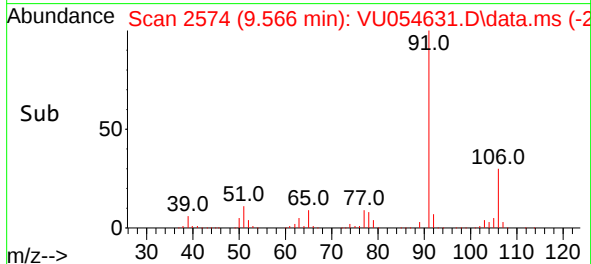
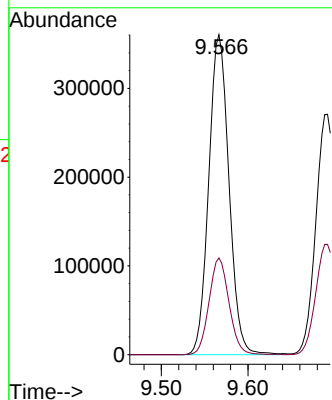
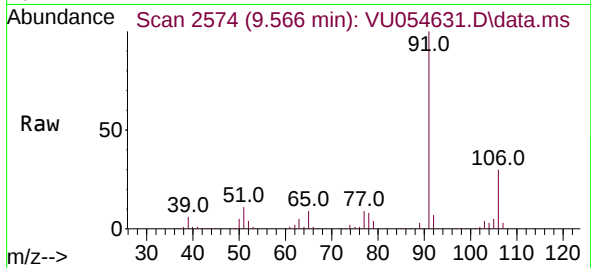




#52
Ethylbenzene
Concen: 4.620 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

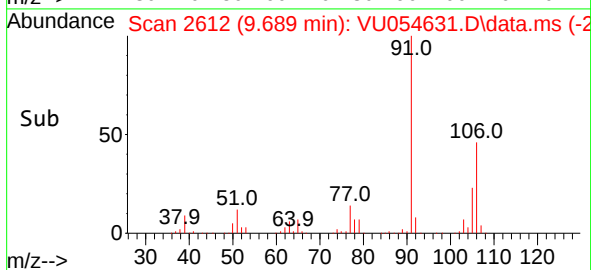
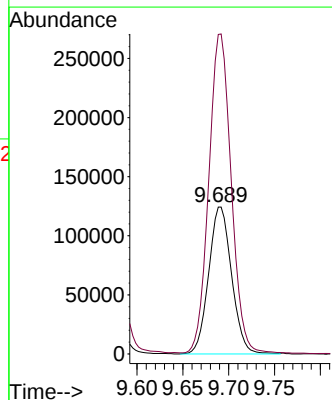
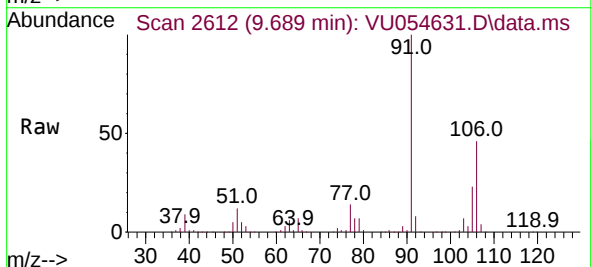
Instrument :
MSVOA_U
ClientSampleId :
VSTD005193

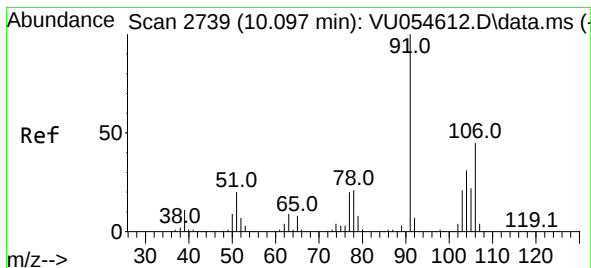
Tgt Ion: 91 Resp: 584615
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.3



#53
m,p-Xylene
Concen: 4.659 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

Tgt Ion: 106 Resp: 216572
Ion Ratio Lower Upper
106 100
91 217.6 147.0 273.0





#54

o-Xylene

Concen: 4.650 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054631.D

Acq: 21 Jun 2023 09:30

Instrument :

MSVOA_U

ClientSampleId :

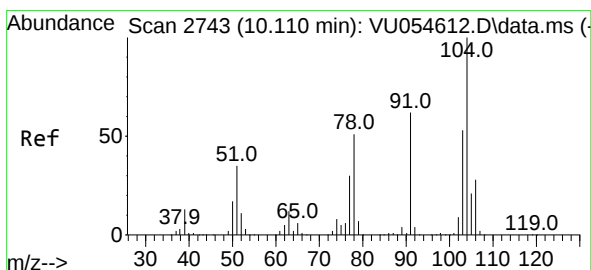
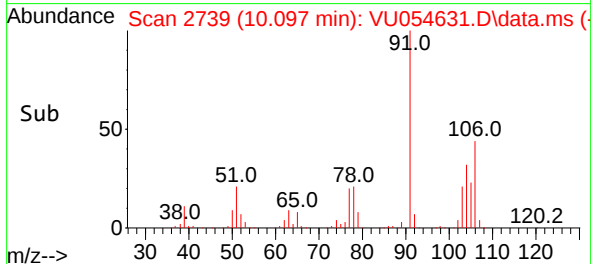
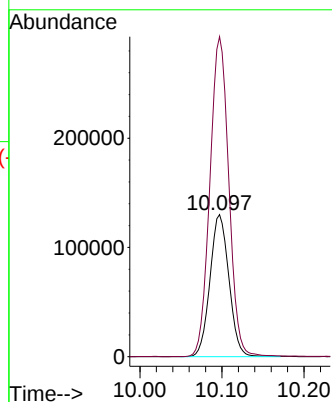
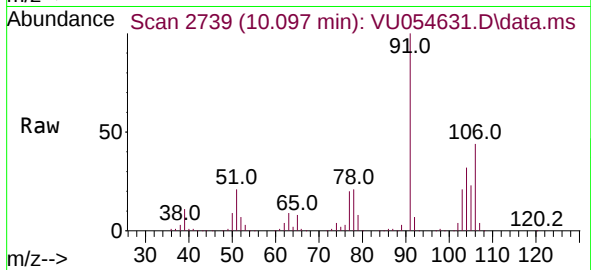
VSTD005193

Tgt Ion:106 Resp: 209008

Ion Ratio Lower Upper

106 100

91 225.1 154.5 286.9



#55

Styrene

Concen: 4.830 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU054631.D

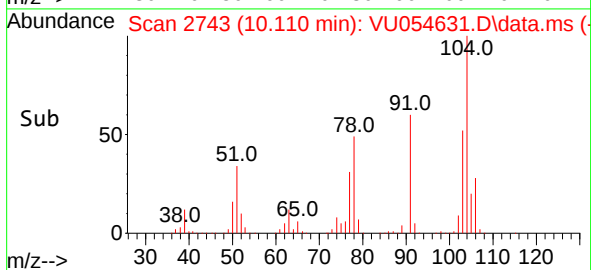
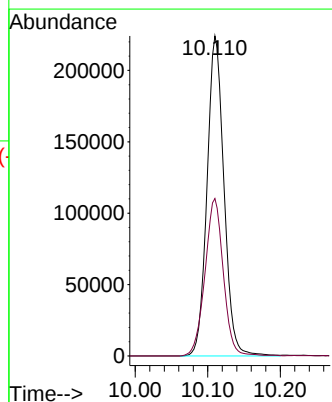
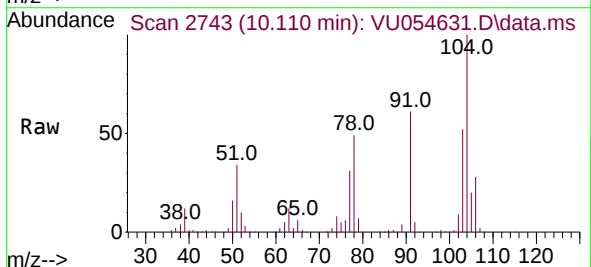
Acq: 21 Jun 2023 09:30

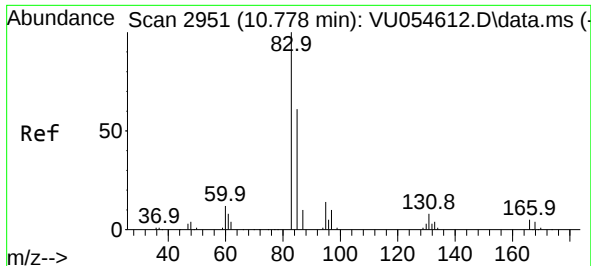
Tgt Ion:104 Resp: 364431

Ion Ratio Lower Upper

104 100

78 49.2 33.0 61.4

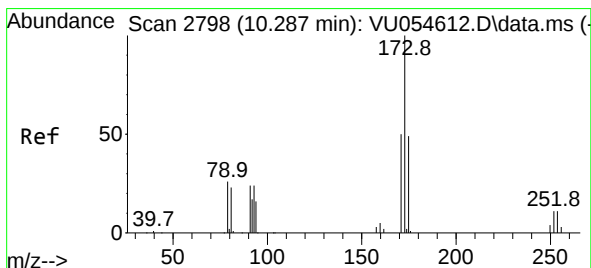
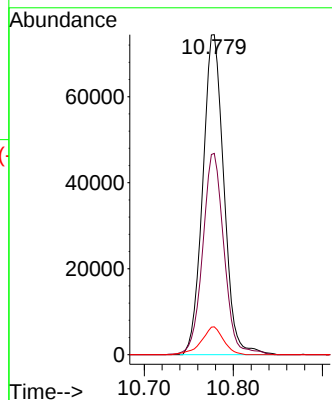
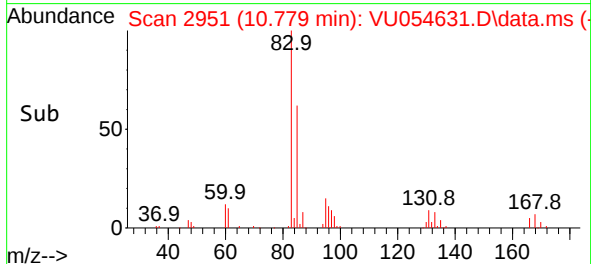
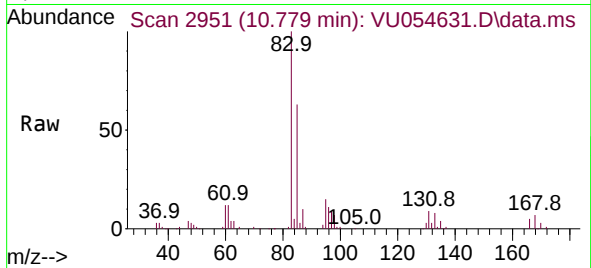




#57
1,1,2,2-Tetrachloroethane
Concen: 4.972 ug/L
RT: 10.779 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

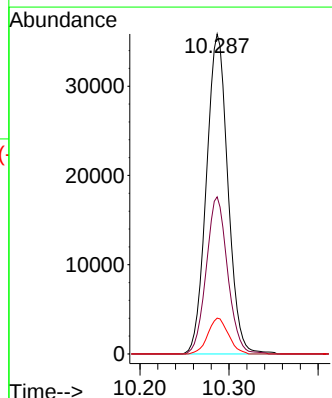
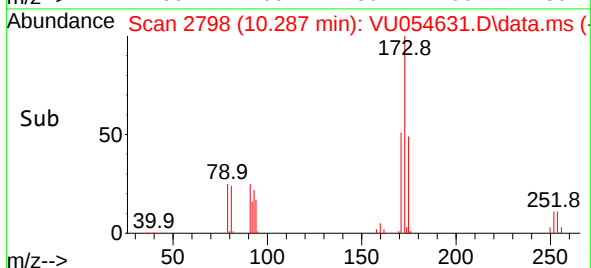
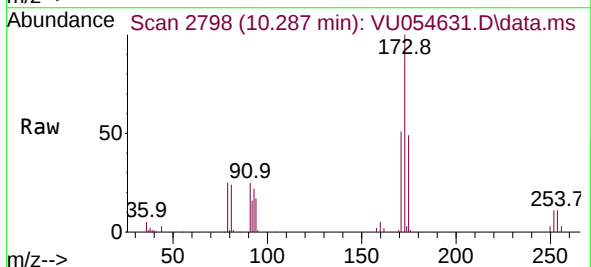
Instrument :
MSVOA_U
ClientSampleId :
VSTD005193

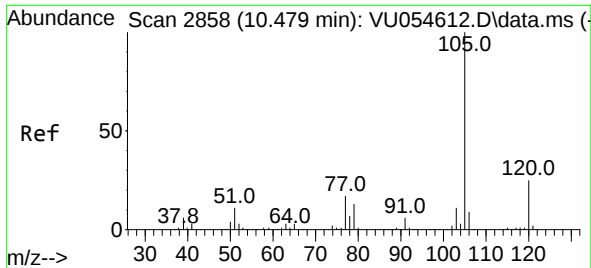
Tgt Ion: 83 Resp: 122214
Ion Ratio Lower Upper
83 100
85 62.9 44.2 82.2
131 8.7 7.0 10.6



#59
Bromoform
Concen: 5.190 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

Tgt Ion:173 Resp: 59965
Ion Ratio Lower Upper
173 100
175 48.8 39.4 59.0
254 10.7 8.6 12.8

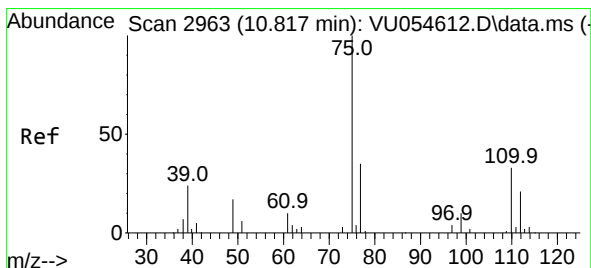
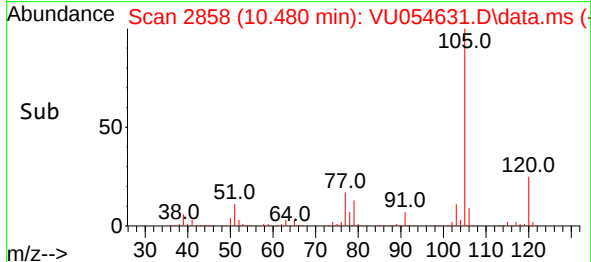
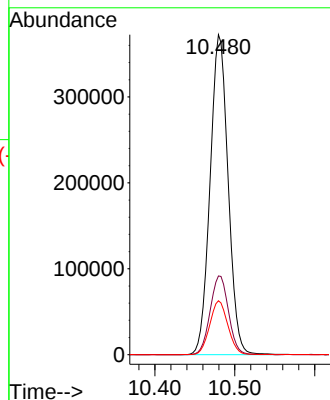
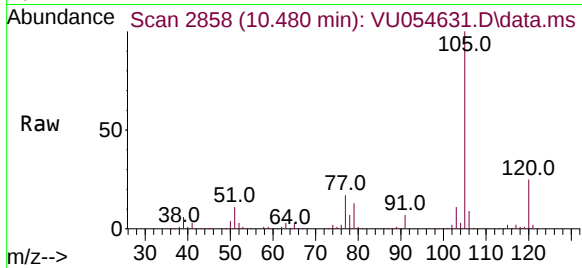




#60
Isopropylbenzene
Concen: 4.950 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

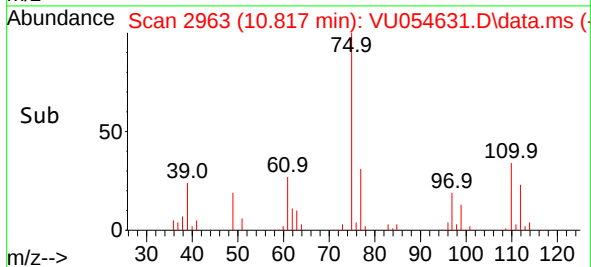
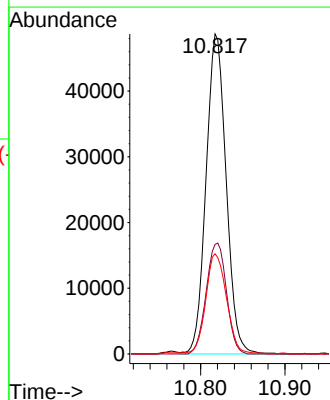
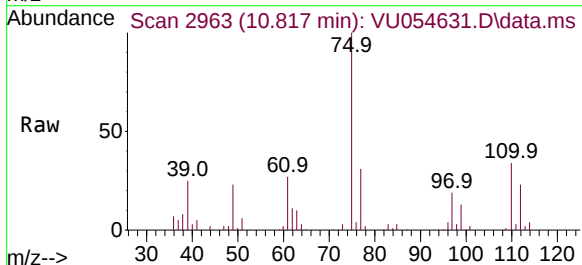
Instrument :
MSVOA_U
ClientSampleId :
VSTD005193

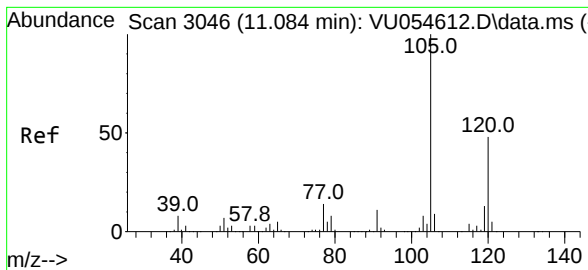
Tgt Ion:105 Resp: 582789
Ion Ratio Lower Upper
105 100
120 25.1 20.9 31.3
77 17.0 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.970 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

Tgt Ion: 75 Resp: 80829
Ion Ratio Lower Upper
75 100
110 34.8 28.0 42.0
77 32.4 25.4 38.2

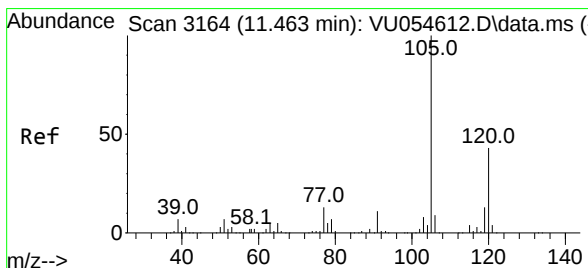
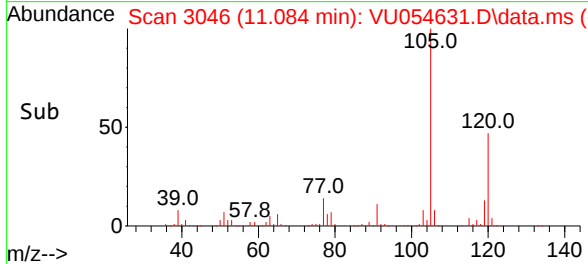
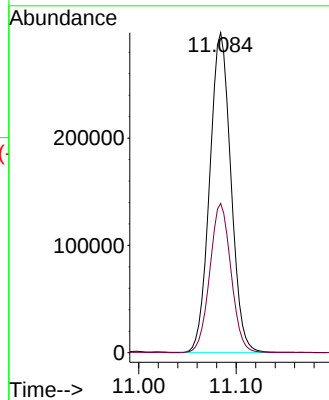
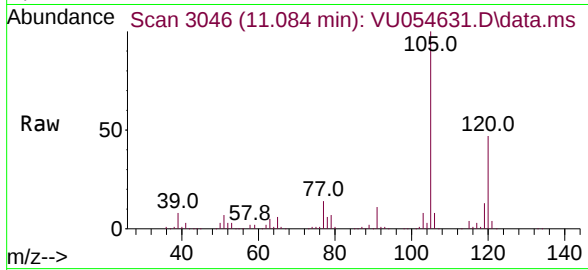




#62
1,3,5-Trimethylbenzene
Concen: 4.688 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

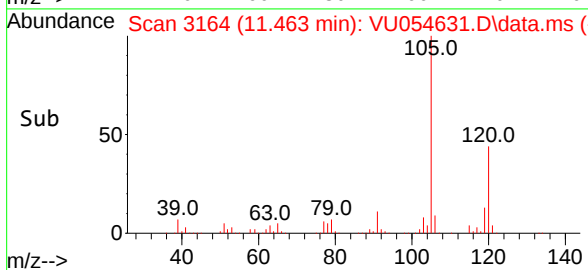
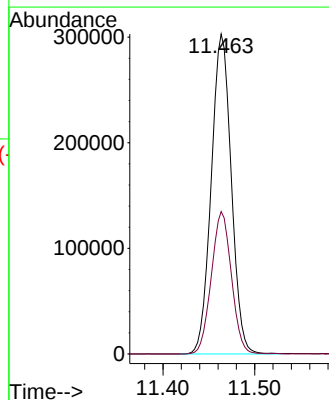
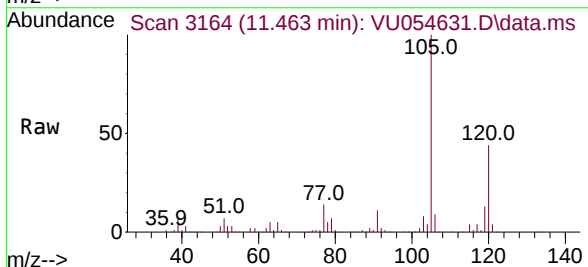
Instrument :
MSVOA_U
ClientSampleId :
VSTD005193

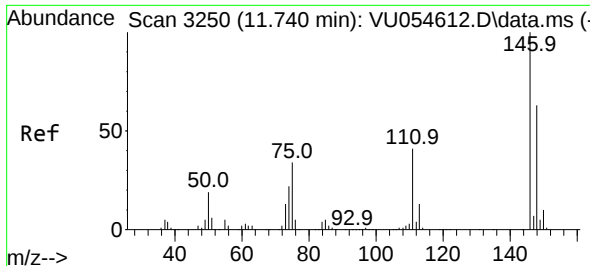
Tgt Ion:105 Resp: 450274
Ion Ratio Lower Upper
105 100
120 46.7 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 4.710 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

Tgt Ion:105 Resp: 459512
Ion Ratio Lower Upper
105 100
120 44.5 35.4 53.0

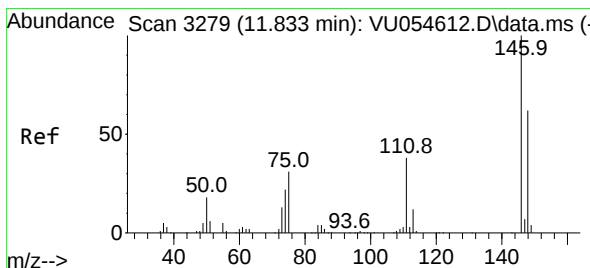
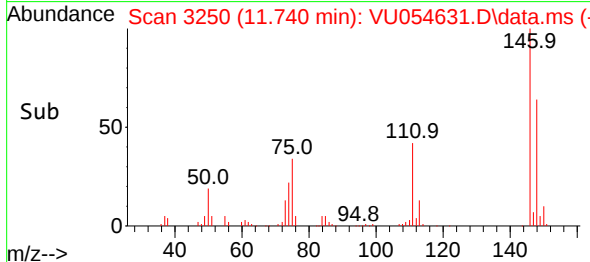
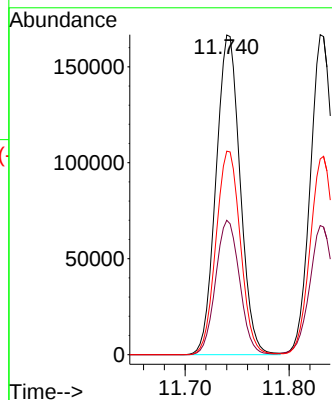
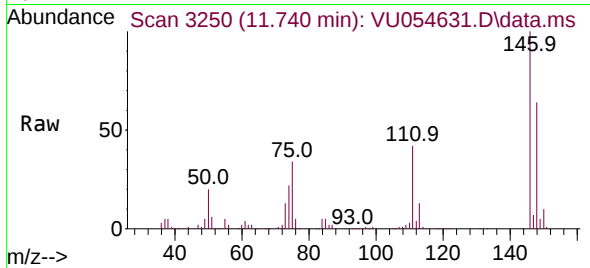




#64
1,3-Dichlorobenzene
Concen: 4.889 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

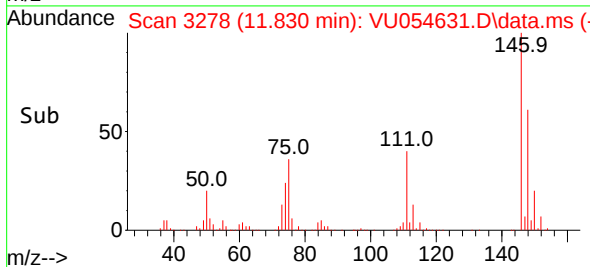
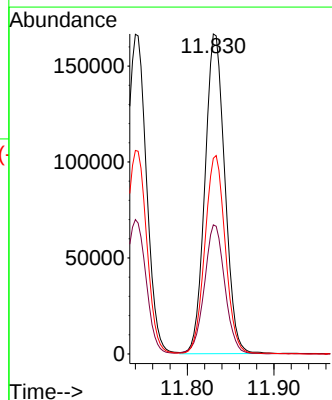
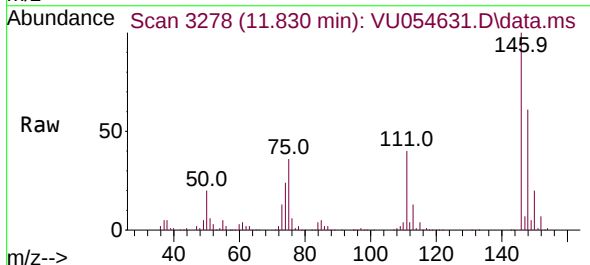
Instrument :
MSVOA_U
ClientSampleId :
VSTD005193

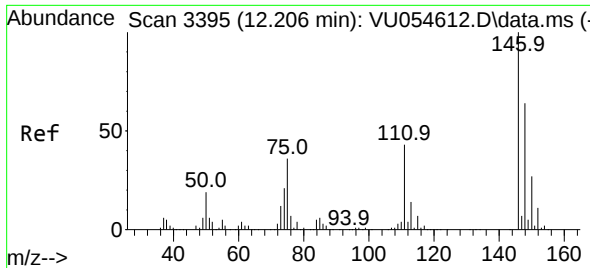
Tgt Ion:146 Resp: 269011
Ion Ratio Lower Upper
146 100
111 42.1 28.9 53.7
148 63.7 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 4.813 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU054631.D
Acq: 21 Jun 2023 09:30

Tgt Ion:146 Resp: 265822
Ion Ratio Lower Upper
146 100
111 40.4 28.0 52.0
148 61.2 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 4.808 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU054631.D

Acq: 21 Jun 2023 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD005193

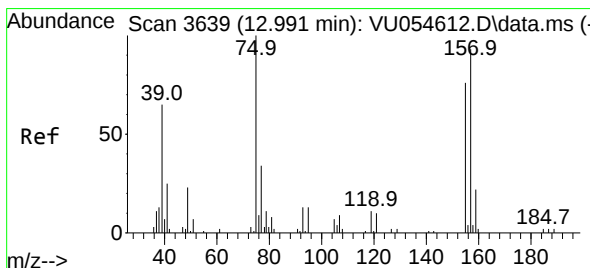
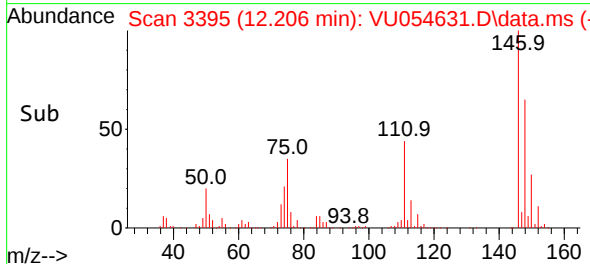
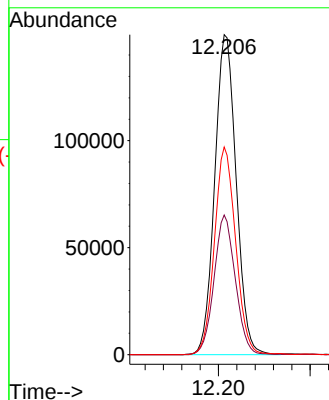
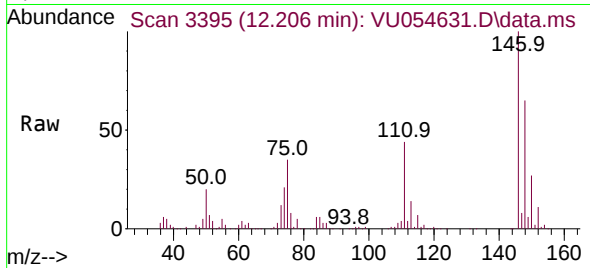
Tgt Ion:146 Resp: 243353

Ion Ratio Lower Upper

146 100

111 43.6 34.5 51.7

148 64.9 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.413 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU054631.D

Acq: 21 Jun 2023 09:30

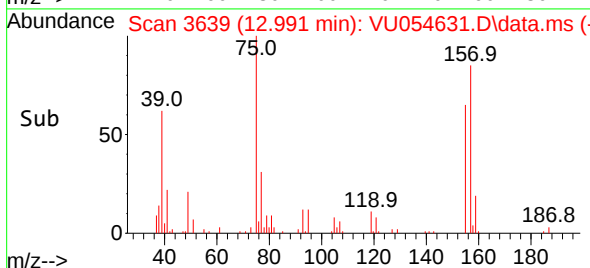
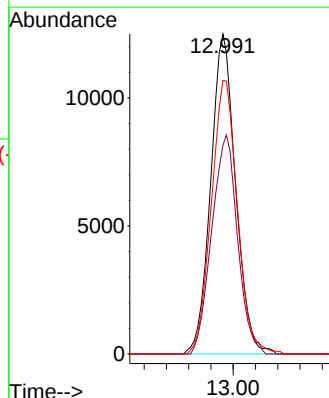
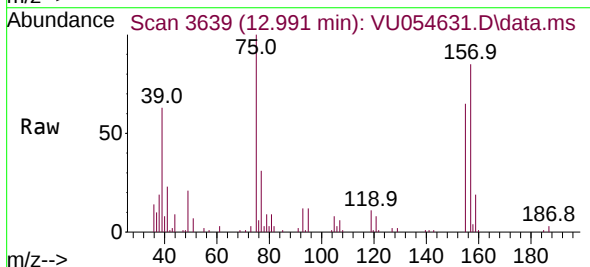
Tgt Ion: 75 Resp: 19344

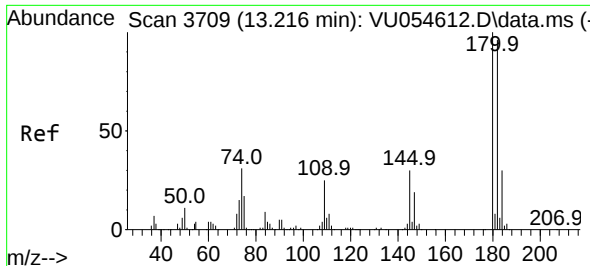
Ion Ratio Lower Upper

75 100

155 65.2 65.7 98.5#

157 85.5 84.2 126.2





#69

1,3,5-Trichlorobenzene

Concen: 4.873 ug/L

RT: 13.213 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU054631.D

Acq: 21 Jun 2023 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD005193

Tgt Ion:180 Resp: 202318

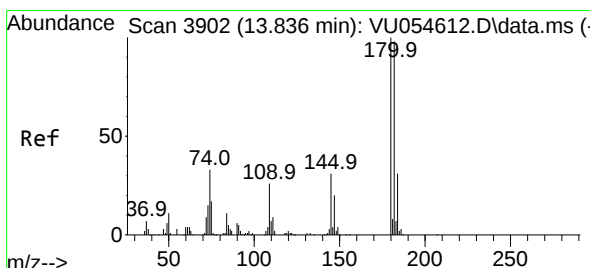
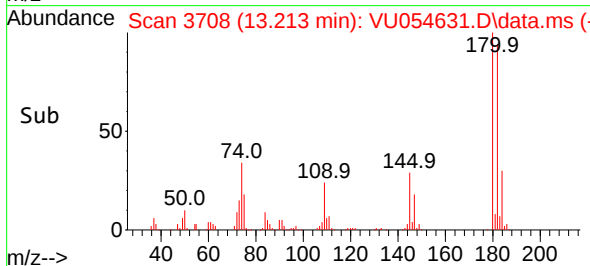
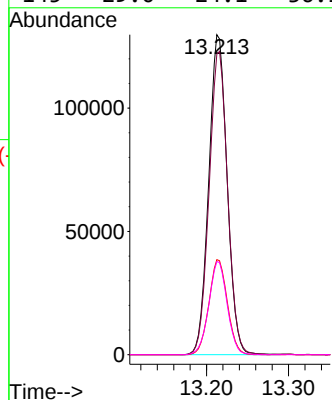
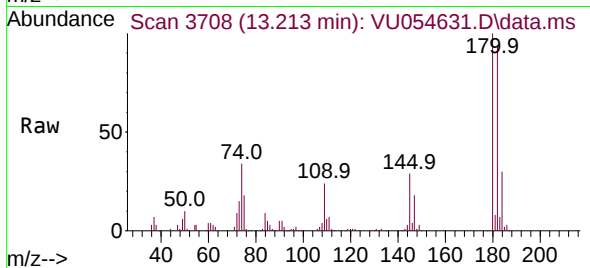
Ion Ratio Lower Upper

180 100

182 95.3 75.0 112.6

184 29.8 24.1 36.1

145 29.0 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 4.573 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU054631.D

Acq: 21 Jun 2023 09:30

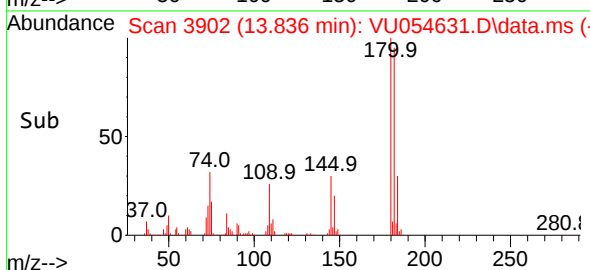
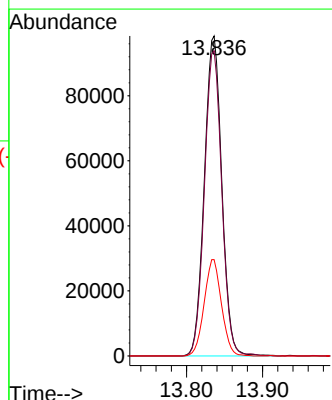
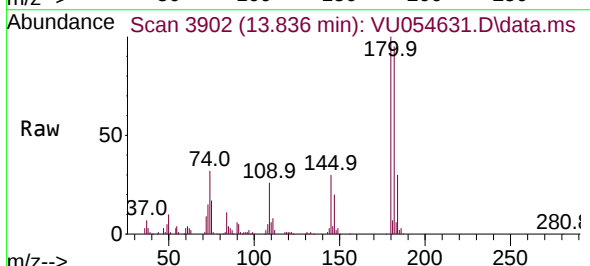
Tgt Ion:180 Resp: 156992

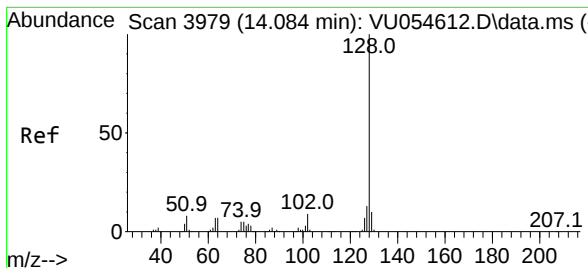
Ion Ratio Lower Upper

180 100

182 94.8 76.6 114.8

145 29.8 24.0 36.0





#71

Naphthalene

Concen: 4.136 ug/L

RT: 14.081 min Scan# 3979

Delta R.T. -0.003 min

Lab File: VU054631.D

Acq: 21 Jun 2023 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD005193

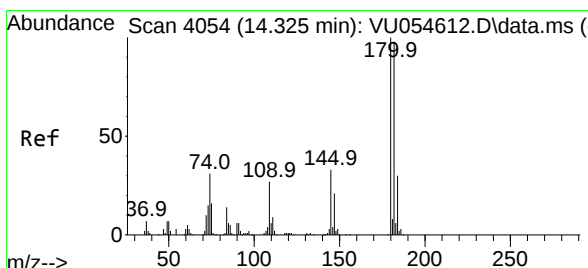
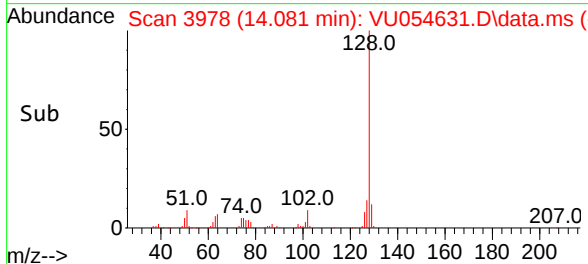
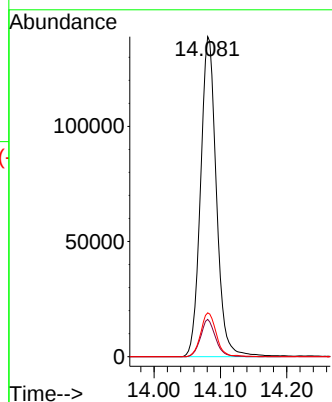
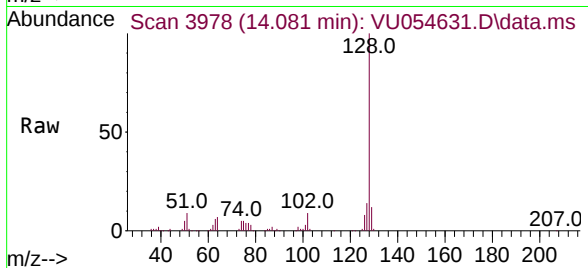
Tgt Ion:128 Resp: 230915

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

127 13.3 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 4.643 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU054631.D

Acq: 21 Jun 2023 09:30

Tgt Ion:180 Resp: 136947

Ion Ratio Lower Upper

180 100

182 94.3 75.4 113.2

145 31.4 26.0 39.0

