

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U062223\
 Data File : VU054666.D
 Acq On : 22 Jun 2023 19:15
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005196

Quant Time: Jun 23 04:37:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 23 04:31:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	297107	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	286903	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	146853	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	99462	5.260	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.200%
7) Chloroethane-d5	1.914	69	81925	4.628	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.600%
11) 1,1-Dichloroethene-d2	2.563	65	38252	4.530	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.600%
20) 2-Butanone-d5	4.628	46	243083	45.725	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.440%
24) Chloroform-d	5.058	84	167870	4.247	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
26) 1,2-Dichloroethane-d4	5.698	65	81374	4.224	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
32) Benzene-d6	5.724	84	324297	4.066	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
36) 1,2-Dichloropropane-d6	6.685	67	108935	4.090	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.800%
41) Toluene-d8	7.894	98	290634	4.106	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.200%
43) trans-1,3-Dichloroprop...	8.174	79	39782	4.295	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.000%
46) 2-Hexanone-d5	8.627	63	167069	42.995	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.000%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	82266	4.142	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	100712	4.066	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	107547	3.874	ug/L	97
3) Chloromethane	1.522	50	135429	4.247	ug/L	96
5) Vinyl chloride	1.605	62	138596	4.234	ug/L	99
6) Bromomethane	1.859	94	74339	4.131	ug/L	99
8) Chloroethane	1.933	64	91904	4.684	ug/L	95
9) Trichlorofluoromethane	2.136	101	181364	4.507	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	106208	4.511	ug/L	98
12) 1,1-Dichloroethene	2.576	96	94402	4.381	ug/L #	78
13) Acetone	2.641	43	197088	39.319	ug/L	97
14) Carbon disulfide	2.792	76	234184	3.665	ug/L	99
15) Methyl Acetate	2.952	43	47662	5.131	ug/L	93
16) Methylene chloride	3.042	84	124126	4.096	ug/L	94
17) Methyl tert-butyl Ether	3.361	73	254543	4.786	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	97900	4.400	ug/L	96
19) 1,1-Dichloroethane	3.866	63	229191	4.978	ug/L	99
21) 2-Butanone	4.705	43	322806	49.622	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	117937	4.655	ug/L	99
23) Bromochloromethane	4.968	128	48186	4.570	ug/L	96
25) Chloroform	5.084	83	225840	4.975	ug/L	100

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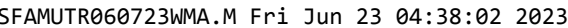
Instrument :
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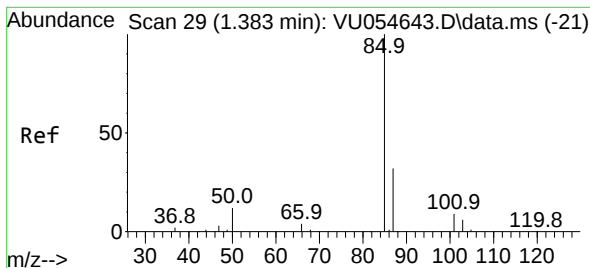
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	130552	4.906	ug/L	100
29) 1,1,1-Trichloroethane	5.309	97	182802	4.699	ug/L	98
30) Cyclohexane	5.383	56	176383	4.162	ug/L	96
31) Carbon tetrachloride	5.521	117	150491	4.489	ug/L	100
33) Benzene	5.769	78	473574	4.593	ug/L	100
34) Trichloroethene	6.538	95	117856	4.322	ug/L	96
35) Methylcyclohexane	6.759	83	161773	3.925	ug/L	97
37) 1,2-Dichloropropane	6.785	63	136112	4.882	ug/L	99
38) Bromodichloromethane	7.100	83	155026	4.912	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	175660	4.615	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	788999	53.031	ug/L	97
42) Toluene	7.965	91	495535	4.667	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	146425	4.740	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	86441	4.874	ug/L	99
47) Tetrachloroethene	8.550	164	85465	4.095	ug/L	99
48) 2-Hexanone	8.679	43	570768	51.487	ug/L	98
49) Dibromochloromethane	8.804	129	91223	4.898	ug/L	97
50) 1,2-Dibromoethane	8.920	107	76242	4.682	ug/L	97
51) Chlorobenzene	9.441	112	304363	4.598	ug/L	98
52) Ethylbenzene	9.566	91	526521	4.540	ug/L	100
53) m,p-Xylene	9.689	106	197671	4.640	ug/L	95
54) o-Xylene	10.097	106	192288	4.667	ug/L	93
55) Styrene	10.110	104	335360	4.850	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	114388	5.078	ug/L	100
59) Bromoform	10.287	173	52574	4.987	ug/L	100
60) Isopropylbenzene	10.479	105	525596	4.892	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	75764	5.105	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	412773	4.709	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	425709	4.782	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	245507	4.889	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	244110	4.844	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	226624	4.907	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	17119	5.249	ug/L	96
69) 1,3,5-Trichlorobenzene	13.213	180	185582	4.898	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	154735	4.939	ug/L	100
71) Naphthalene	14.081	128	245074	4.811	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	134957	5.014	ug/L	99

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

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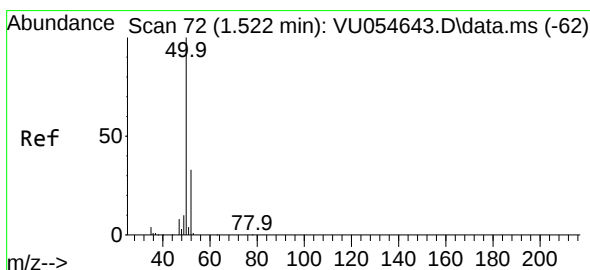
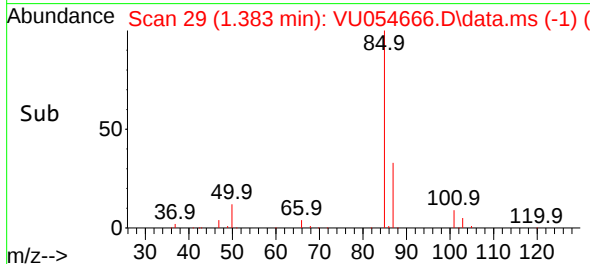
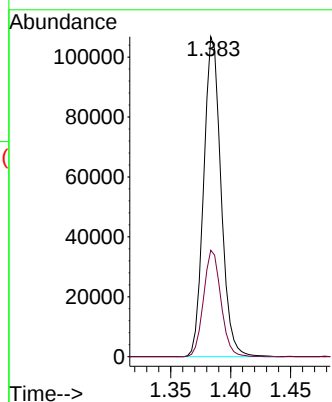
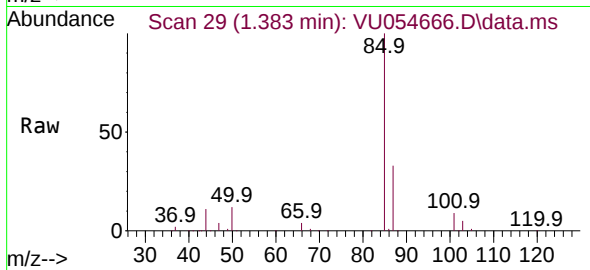




#2
 Dichlorodifluoromethane
 Concen: 3.874 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU054666.D
 Acq: 22 Jun 2023 19:15

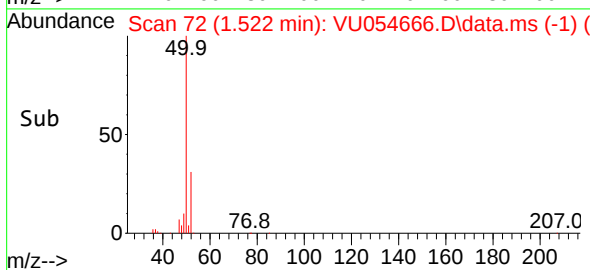
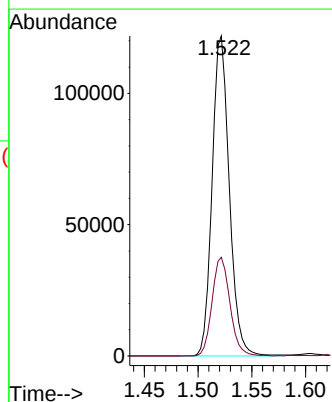
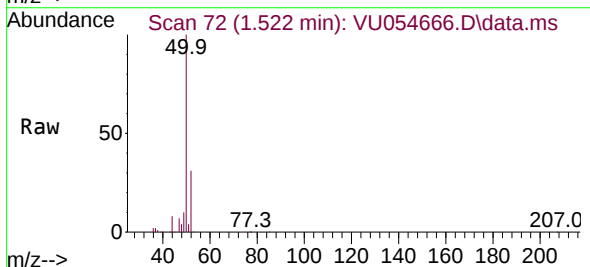
Instrument :
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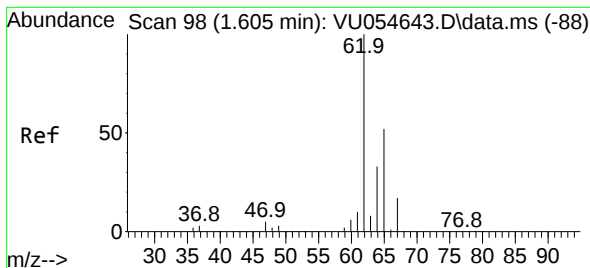
Tgt Ion: 85 Resp: 107547
 Ion Ratio Lower Upper
 85 100
 87 33.4 25.4 38.2



#3
 Chloromethane
 Concen: 4.247 ug/L
 RT: 1.522 min Scan# 72
 Delta R.T. 0.000 min
 Lab File: VU054666.D
 Acq: 22 Jun 2023 19:15

Tgt Ion: 50 Resp: 135429
 Ion Ratio Lower Upper
 50 100
 52 30.9 23.4 43.4





#5

Vinyl chloride

Concen: 4.234 ug/L

RT: 1.605 min Scan# 98

Delta R.T. 0.000 min

Lab File: VU054666.D

Acq: 22 Jun 2023 19:15

Instrument :

MSVOA_U

ClientSampleId :

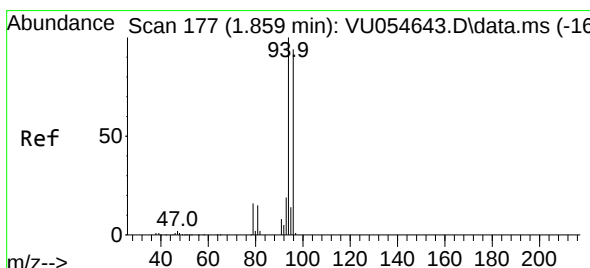
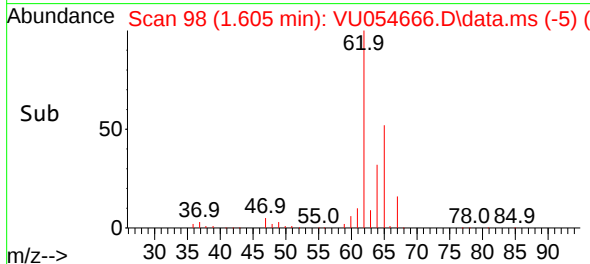
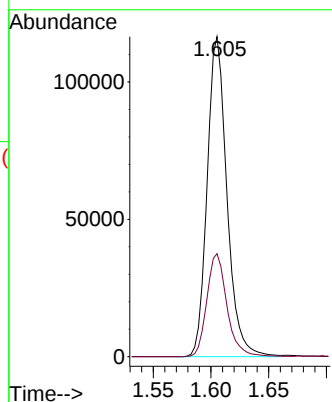
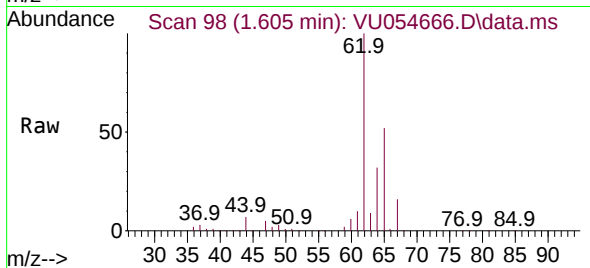
VSTD005196

Tgt Ion: 62 Resp: 138596

Ion Ratio Lower Upper

62 100

64 32.2 23.0 42.6



#6

Bromomethane

Concen: 4.131 ug/L

RT: 1.859 min Scan# 177

Delta R.T. 0.000 min

Lab File: VU054666.D

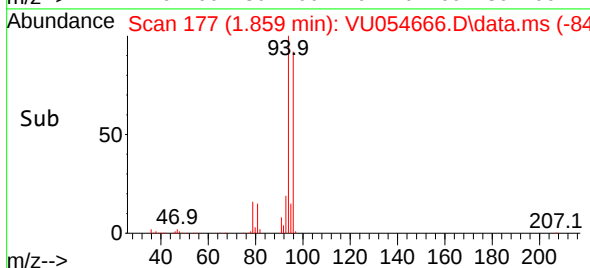
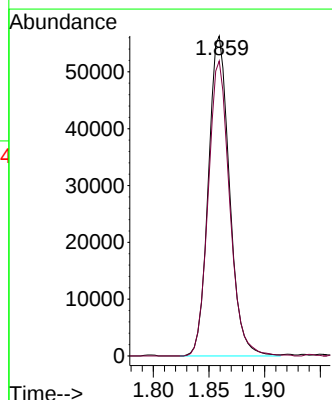
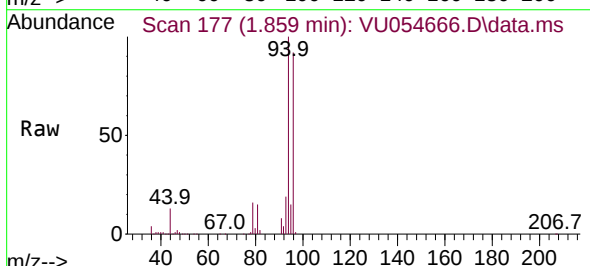
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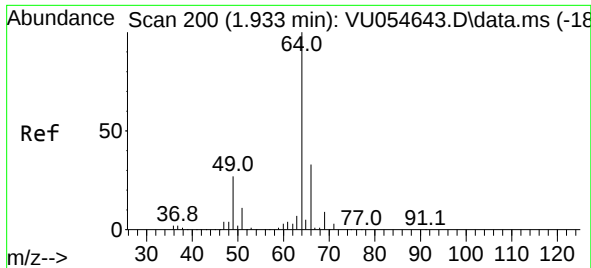
Tgt Ion: 94 Resp: 74339

Ion Ratio Lower Upper

94 100

96 92.2 63.6 118.2

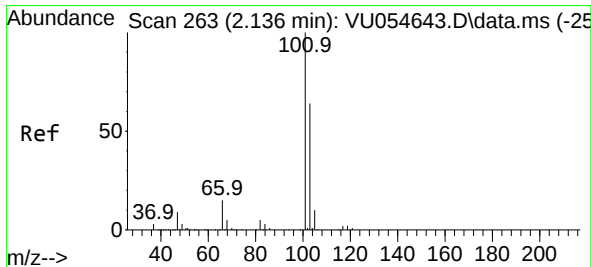
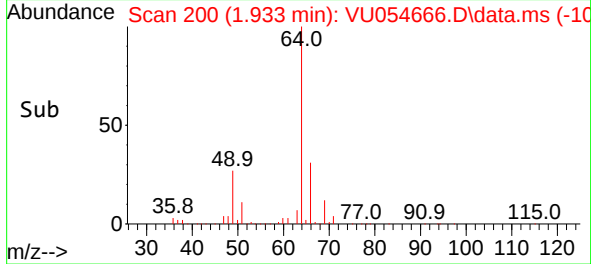
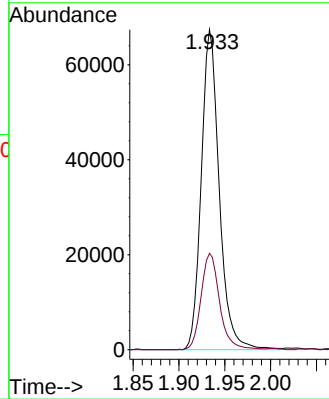
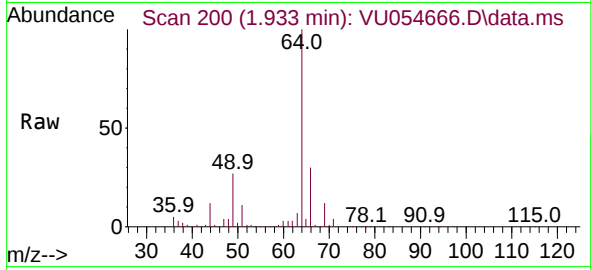




#8
Chloroethane
Concen: 4.684 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

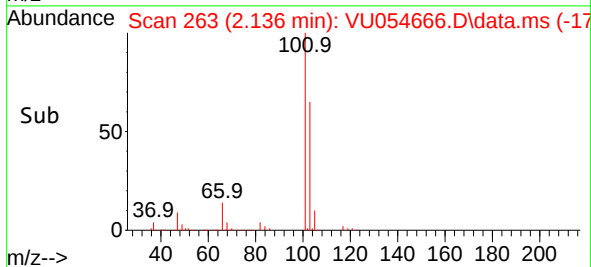
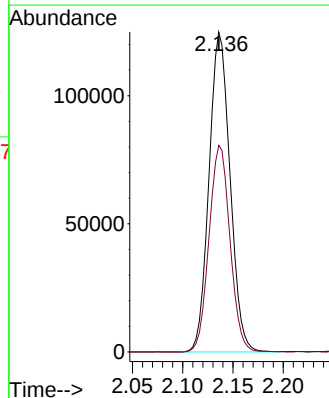
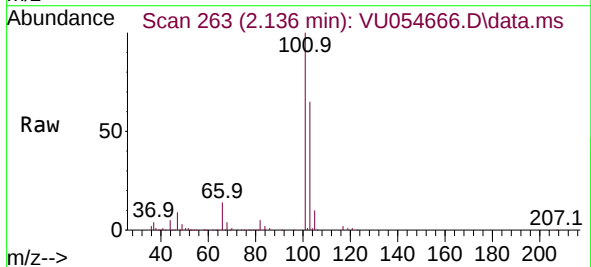
Instrument :
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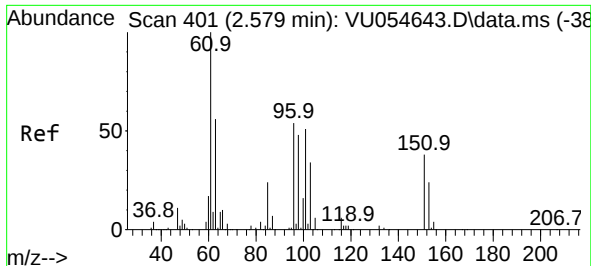
Tgt Ion: 64 Resp: 91904
Ion Ratio Lower Upper
64 100
66 30.1 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.507 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

Tgt Ion:101 Resp: 181364
Ion Ratio Lower Upper
101 100
103 64.4 50.6 75.8

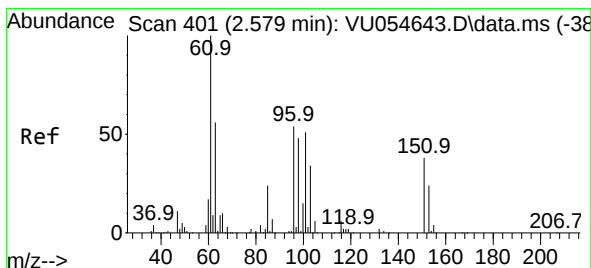
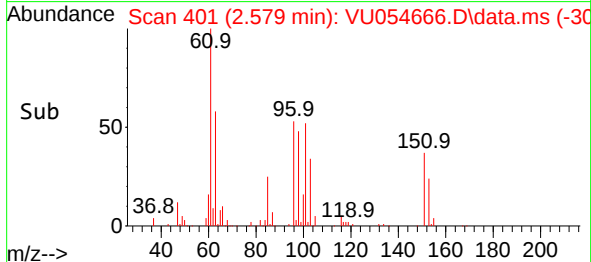
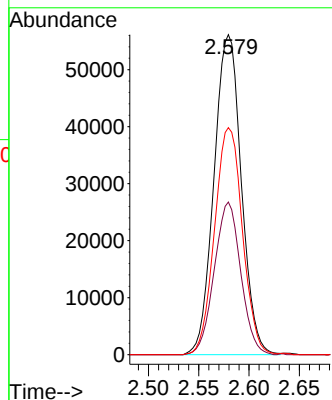
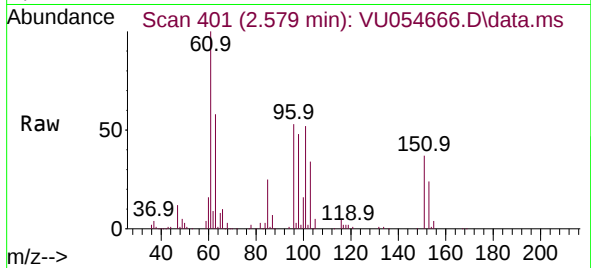




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.511 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU054666.D
 Acq: 22 Jun 2023 19:15

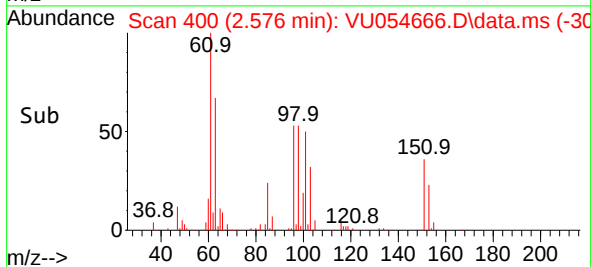
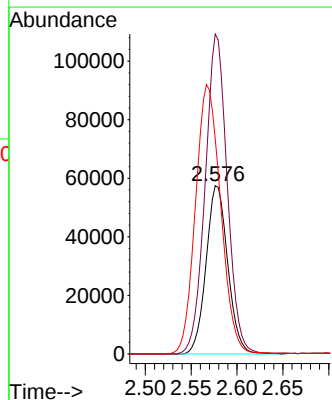
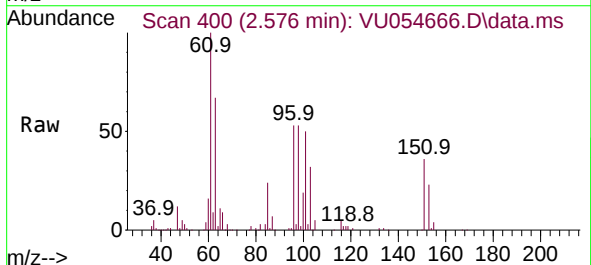
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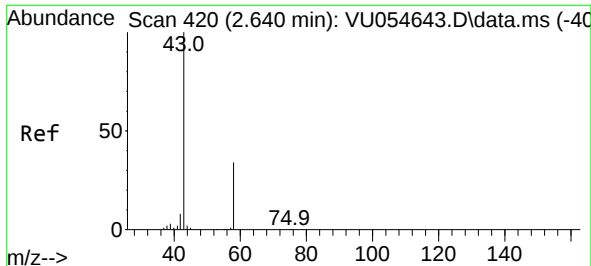
Tgt Ion:101 Resp: 106208
 Ion Ratio Lower Upper
 101 100
 85 46.2 34.6 51.8
 151 72.2 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 4.381 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU054666.D
 Acq: 22 Jun 2023 19:15

Tgt Ion: 96 Resp: 94402
 Ion Ratio Lower Upper
 96 100
 61 190.2 119.9 222.7
 63 127.9 64.3 119.3#





#13

Acetone

Concen: 39.319 ug/L

RT: 2.641 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU054666.D

Acq: 22 Jun 2023 19:15

Instrument :

MSVOA_U

ClientSampleId :

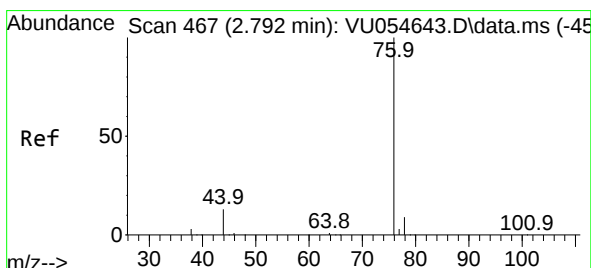
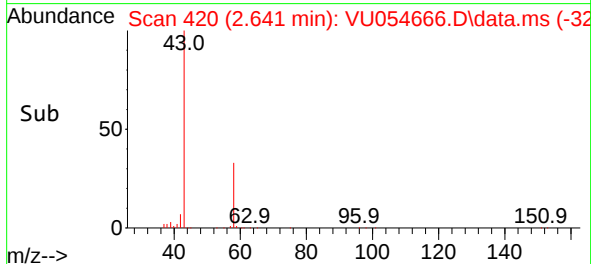
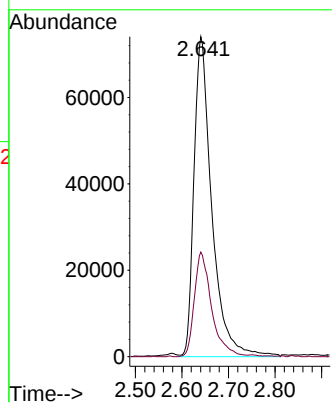
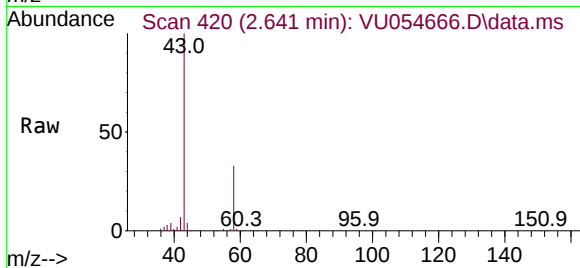
VSTD005196

Tgt Ion: 43 Resp: 197088

Ion Ratio Lower Upper

43 100

58 31.6 0.0 67.2



#14

Carbon disulfide

Concen: 3.665 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU054666.D

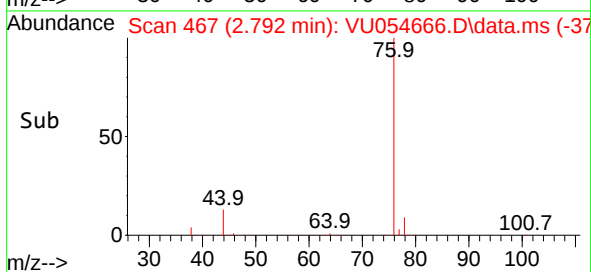
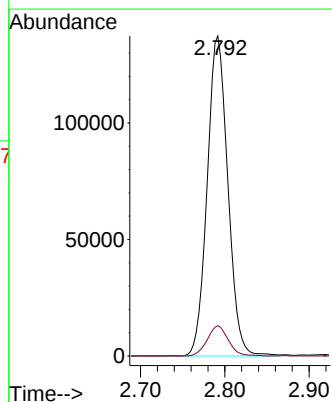
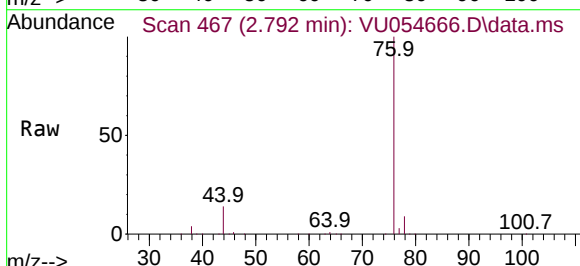
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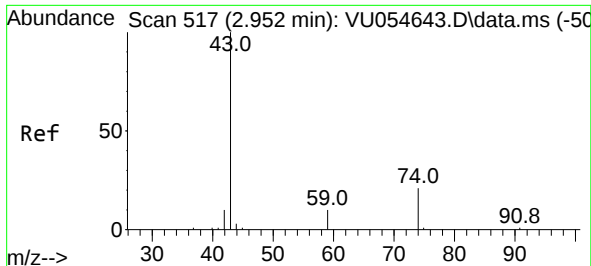
Tgt Ion: 76 Resp: 234184

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

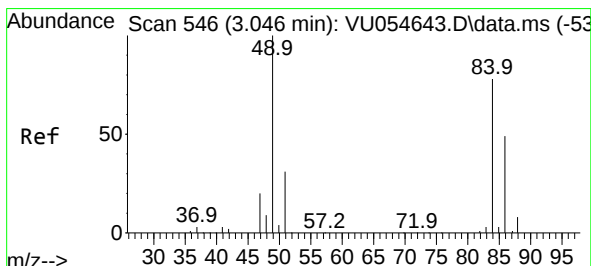
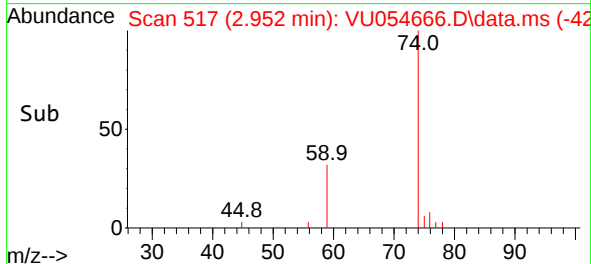
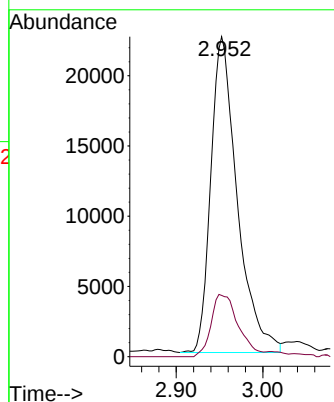
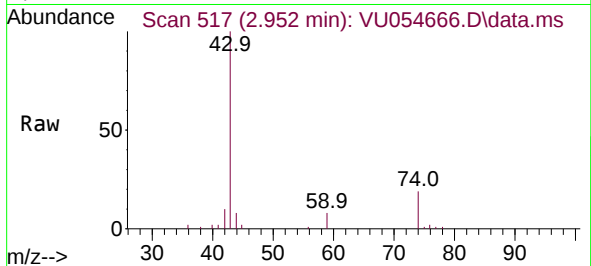




#15
Methyl Acetate
Concen: 5.131 ug/L
RT: 2.952 min Scan# 517
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

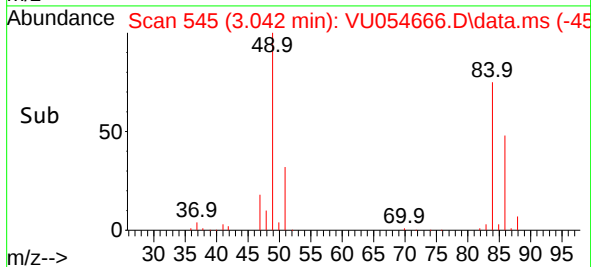
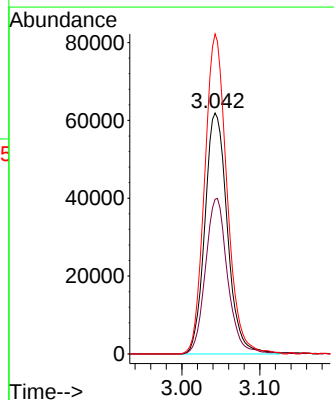
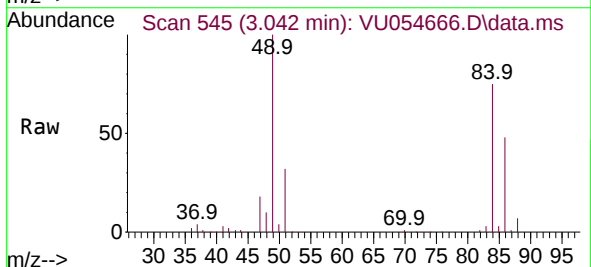
Instrument :
MSVOA_U
ClientSampleId :
VSTD005196

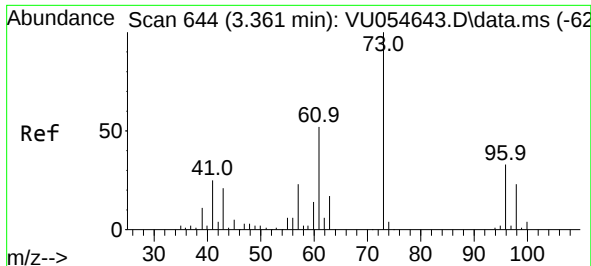
Tgt Ion: 43 Resp: 47662
Ion Ratio Lower Upper
43 100
74 20.2 19.0 28.6



#16
Methylene chloride
Concen: 4.096 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.003 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

Tgt Ion: 84 Resp: 124126
Ion Ratio Lower Upper
84 100
86 64.2 43.9 81.5
49 132.8 86.1 159.9

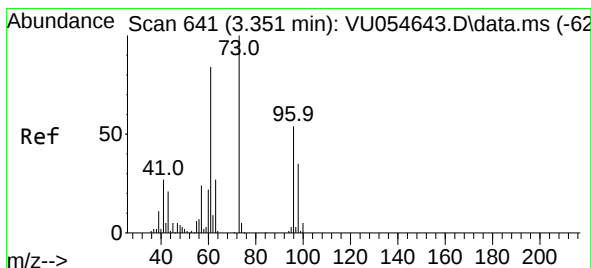
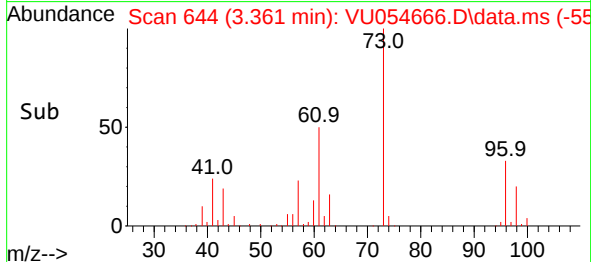
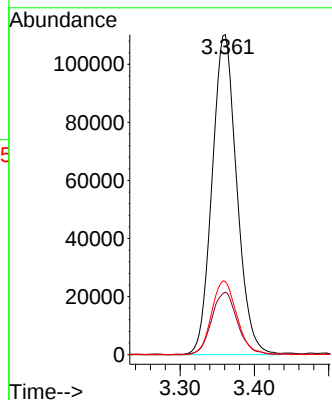
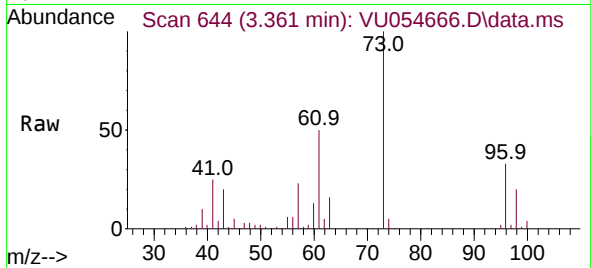




#17
Methyl tert-butyl Ether
Concen: 4.786 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

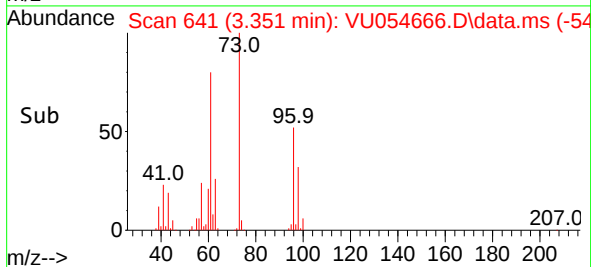
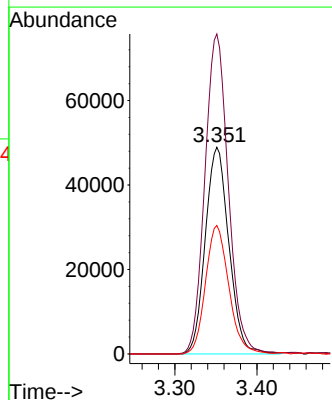
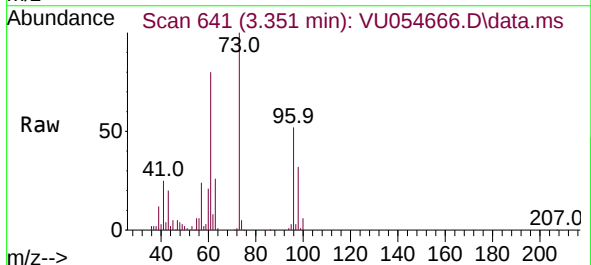
Instrument :
MSVOA_U
ClientSampleId :
VSTD005196

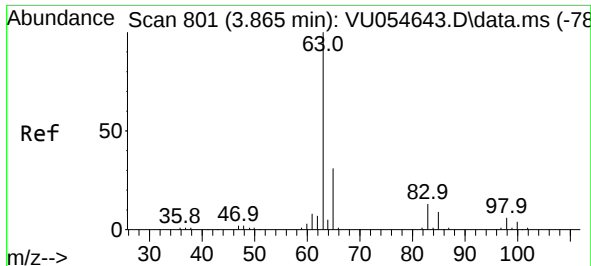
Tgt Ion: 73 Resp: 254543
Ion Ratio Lower Upper
73 100
43 20.6 15.7 23.5
57 23.6 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.400 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

Tgt Ion: 96 Resp: 97900
Ion Ratio Lower Upper
96 100
61 154.8 104.6 194.2
98 62.2 45.4 84.4





#19

1,1-Dichloroethane

Concen: 4.978 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU054666.D

Acq: 22 Jun 2023 19:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD005196

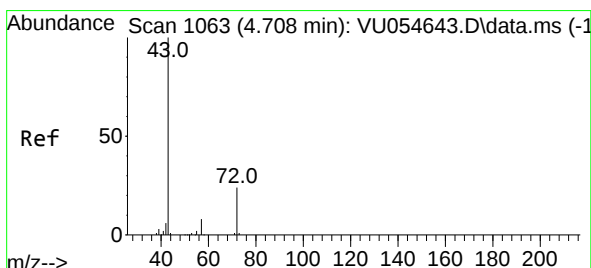
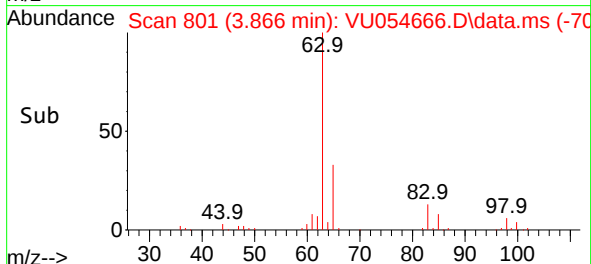
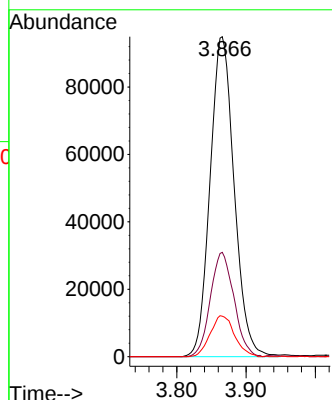
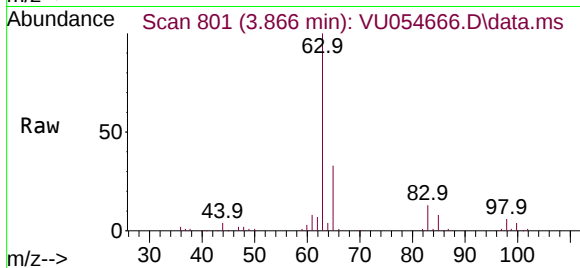
Tgt Ion: 63 Resp: 229191

Ion Ratio Lower Upper

63 100

65 32.6 22.2 41.2

83 12.7 9.0 16.6



#21

2-Butanone

Concen: 49.622 ug/L

RT: 4.705 min Scan# 1062

Delta R.T. -0.003 min

Lab File: VU054666.D

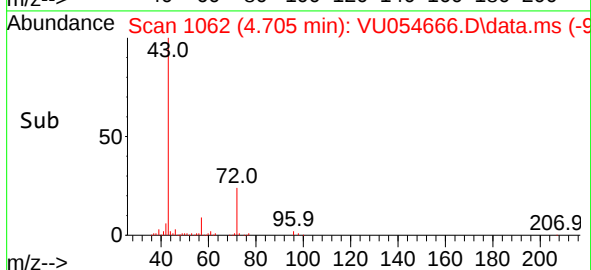
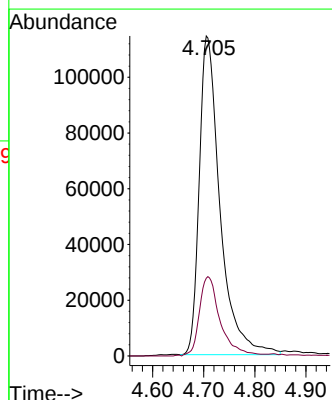
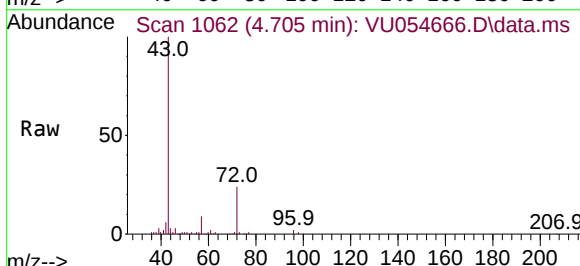
Acq: 22 Jun 2023 19:15

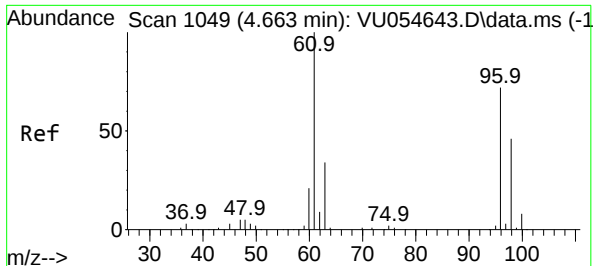
Tgt Ion: 43 Resp: 322806

Ion Ratio Lower Upper

43 100

72 24.9 13.4 40.1

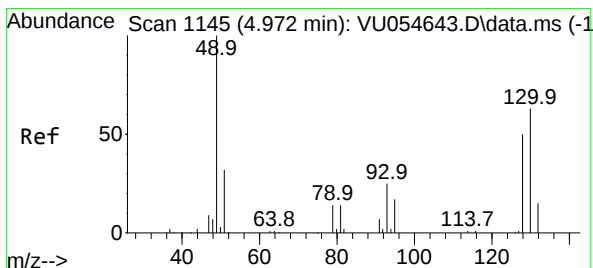
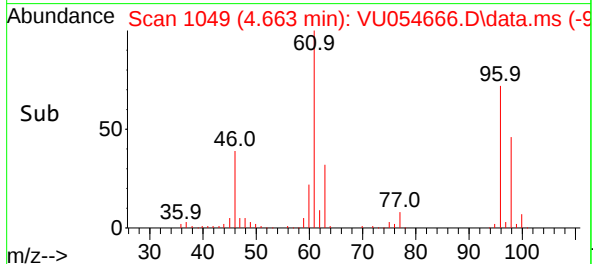
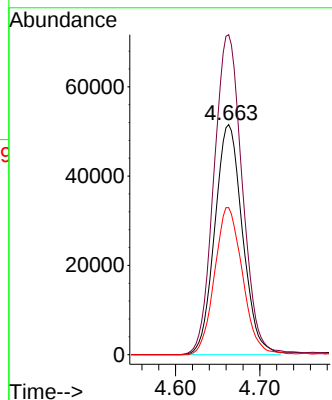
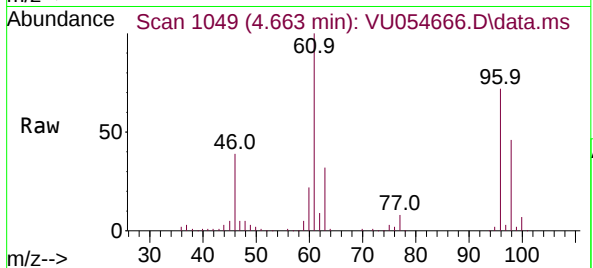




#22
cis-1,2-Dichloroethene
Concen: 4.655 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

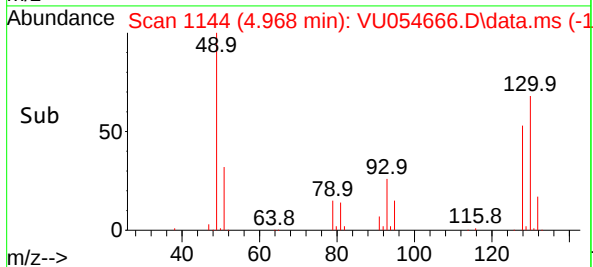
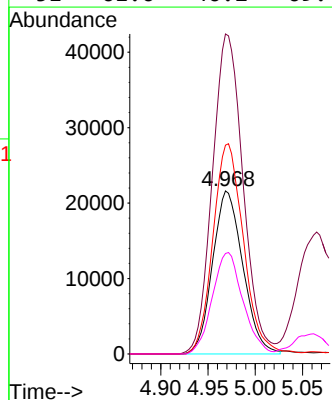
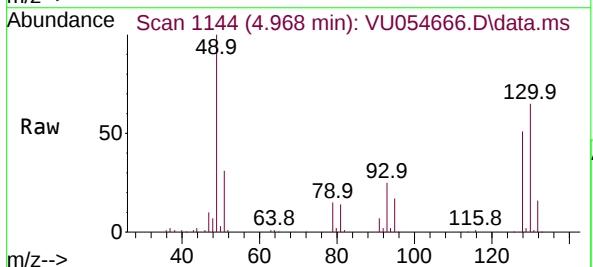
Instrument :
MSVOA_U
ClientSampleId :
VSTD005196

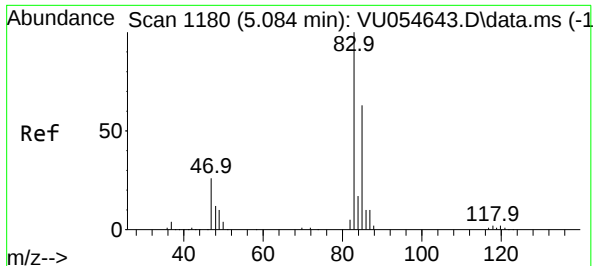
Tgt Ion: 96 Resp: 117937
Ion Ratio Lower Upper
96 100
61 139.1 96.5 179.1
98 63.9 44.9 83.3



#23
Bromochloromethane
Concen: 4.570 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. -0.003 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

Tgt Ion: 128 Resp: 48186
Ion Ratio Lower Upper
128 100
49 196.3 132.1 245.3
130 128.1 91.5 169.9
51 61.6 46.2 69.4





#25

Chloroform

Concen: 4.975 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU054666.D

Acq: 22 Jun 2023 19:15

Instrument :

MSVOA_U

ClientSampleId :

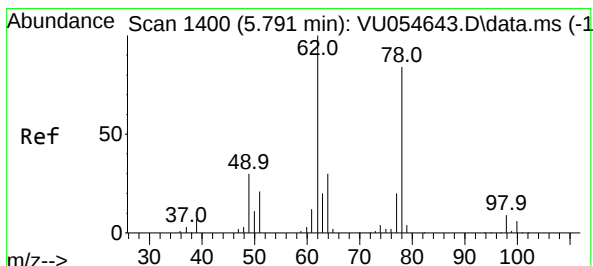
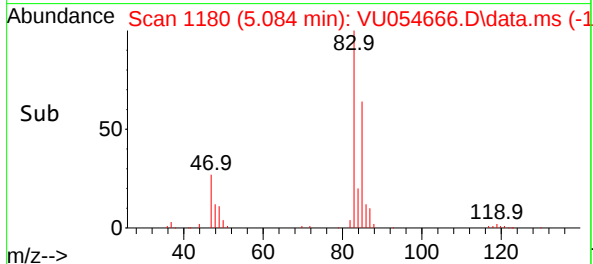
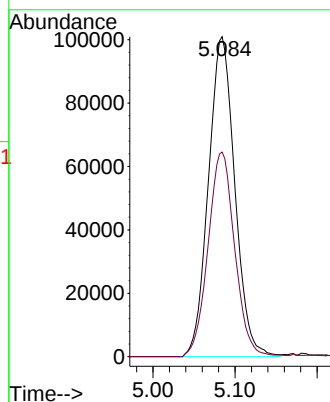
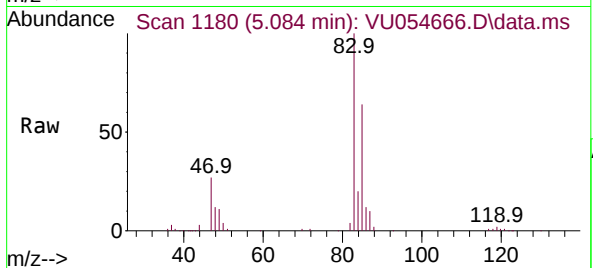
VSTD005196

Tgt Ion: 83 Resp: 225840

Ion Ratio Lower Upper

83 100

85 64.0 44.7 82.9



#27

1,2-Dichloroethane

Concen: 4.906 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.003 min

Lab File: VU054666.D

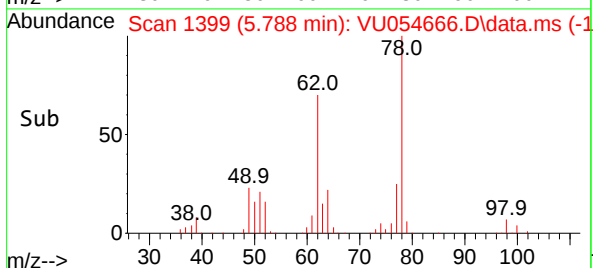
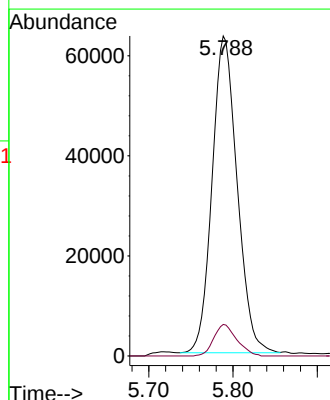
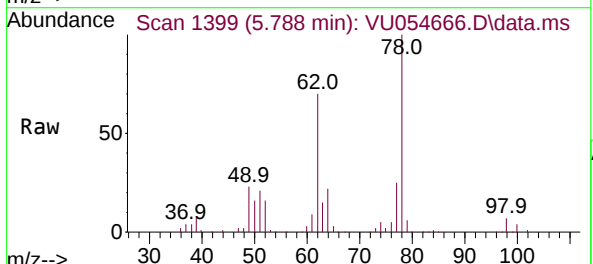
Acq: 22 Jun 2023 19:15

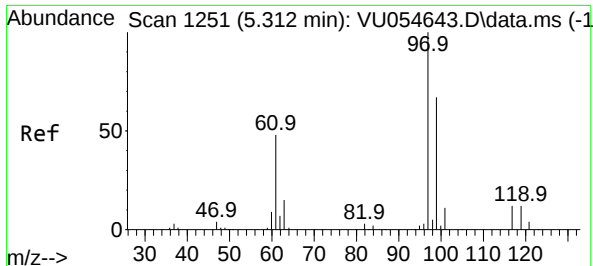
Tgt Ion: 62 Resp: 130552

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.6

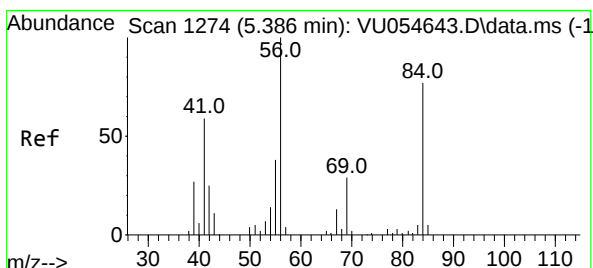
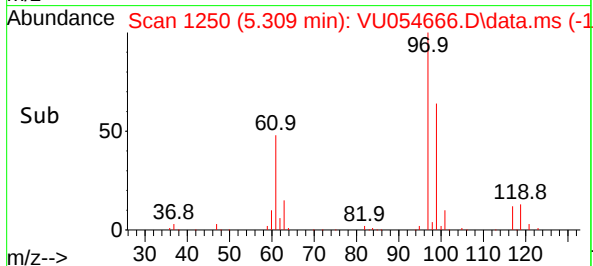
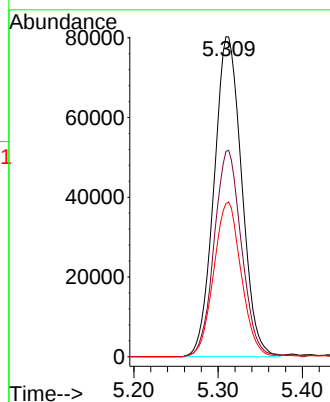
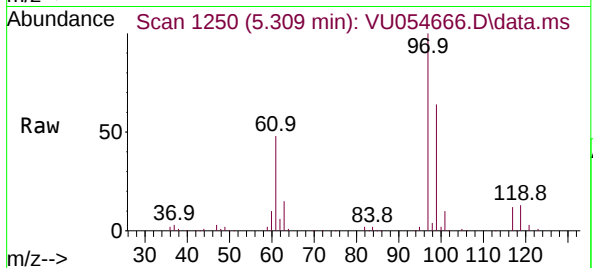




#29
1,1,1-Trichloroethane
Concen: 4.699 ug/L
RT: 5.309 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

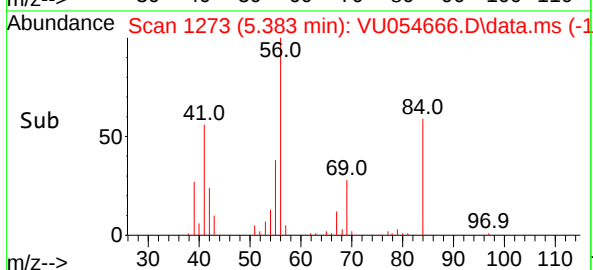
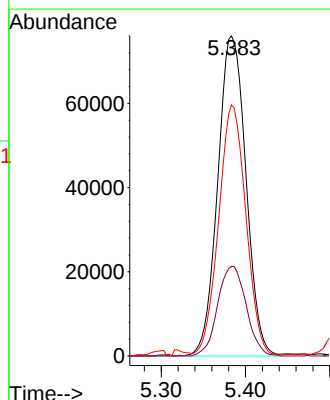
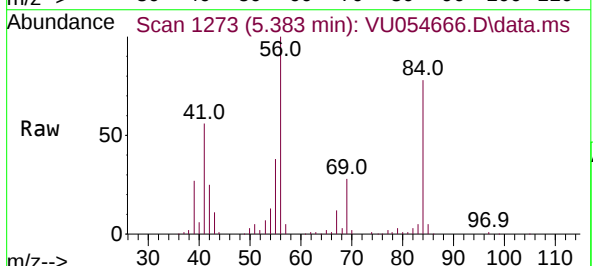
Instrument :
MSVOA_U
ClientSampleId :
VSTD005196

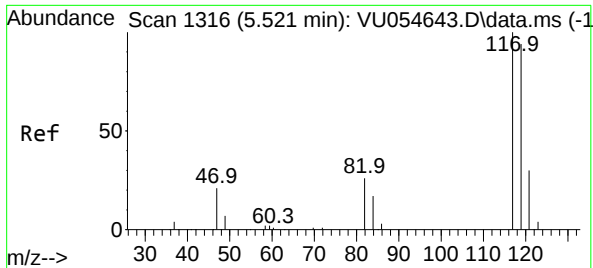
Tgt Ion: 97 Resp: 182802
Ion Ratio Lower Upper
97 100
99 63.8 50.8 76.2
61 48.0 36.1 54.1



#30
Cyclohexane
Concen: 4.162 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. -0.003 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

Tgt Ion: 56 Resp: 176383
Ion Ratio Lower Upper
56 100
69 28.3 23.9 35.9
84 75.0 63.0 94.6

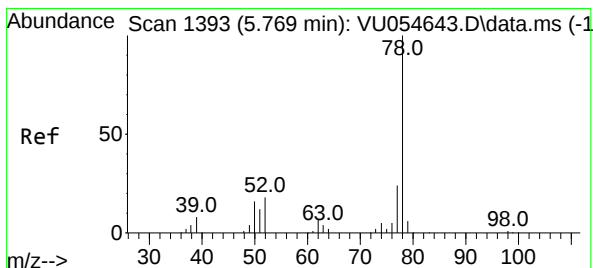
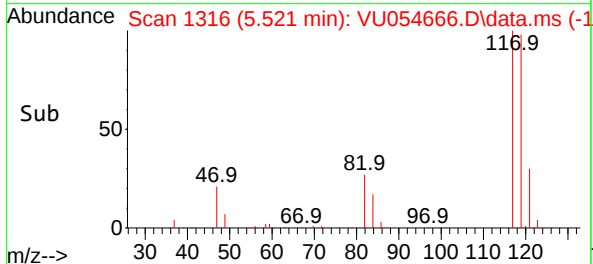
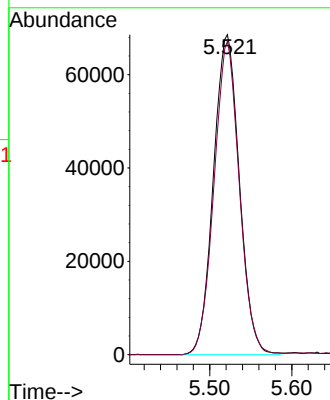
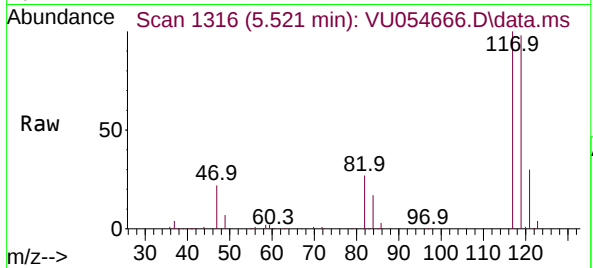




#31
Carbon tetrachloride
Concen: 4.489 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

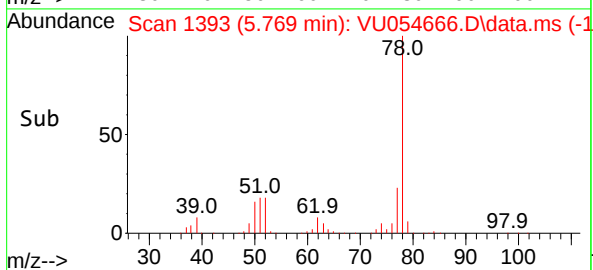
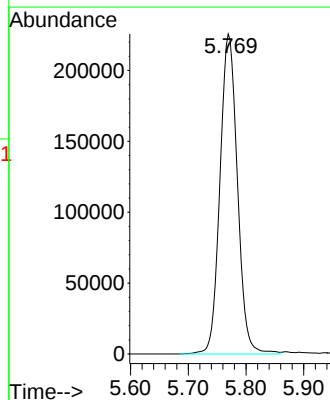
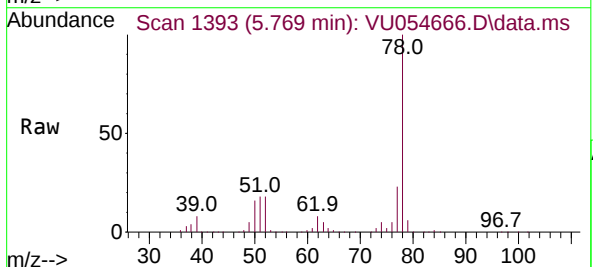
Instrument :
MSVOA_U
ClientSampleId :
VSTD005196

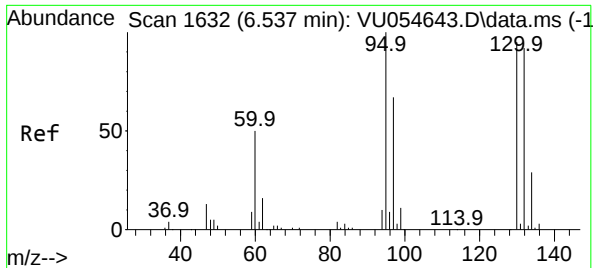
Tgt Ion:117 Resp: 150491
Ion Ratio Lower Upper
117 100
119 95.7 76.8 115.2



#33
Benzene
Concen: 4.593 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

Tgt Ion: 78 Resp: 473574

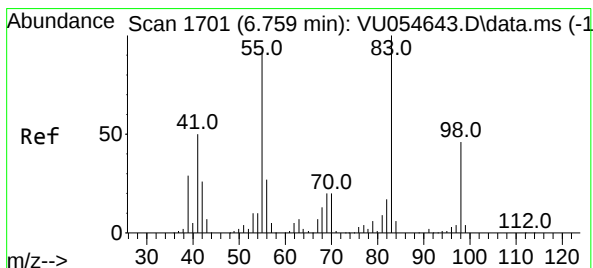
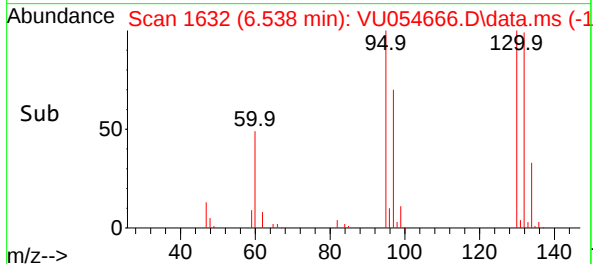
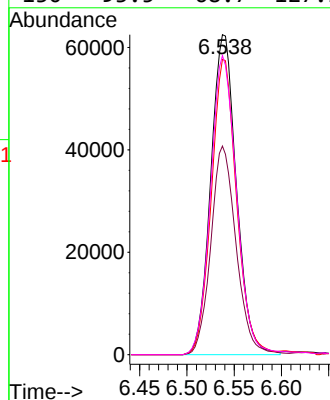
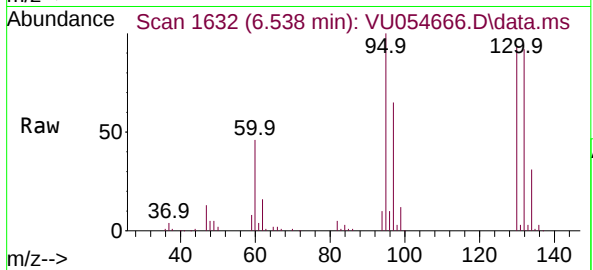




#34
Trichloroethene
Concen: 4.322 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

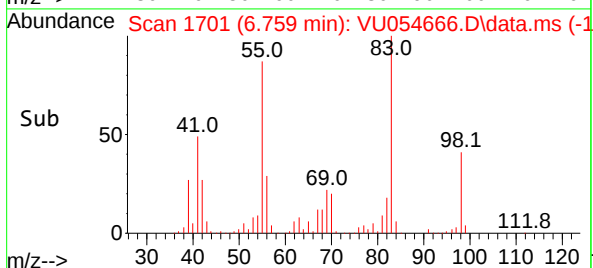
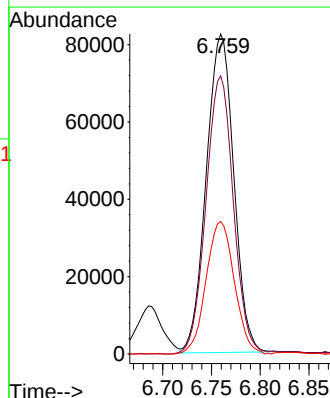
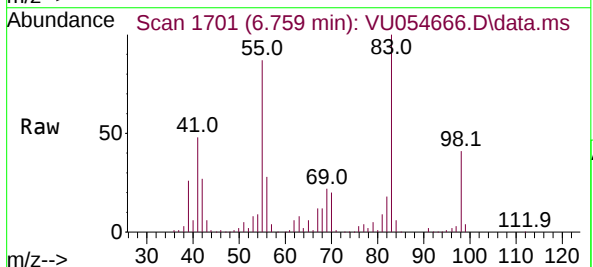
Instrument :
MSVOA_U
ClientSampleId :
VSTD005196

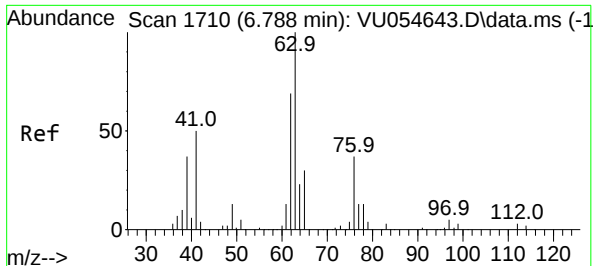
Tgt Ion: 95 Resp: 117856
Ion Ratio Lower Upper
95 100
97 65.2 46.8 87.0
132 92.3 68.4 127.0
130 93.5 68.7 127.5



#35
Methylcyclohexane
Concen: 3.925 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

Tgt Ion: 83 Resp: 161773
Ion Ratio Lower Upper
83 100
55 87.5 67.1 100.7
98 42.7 35.1 52.7





#37

1,2-Dichloropropane

Concen: 4.882 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054666.D

Acq: 22 Jun 2023 19:15

Instrument :

MSVOA_U

ClientSampleId :

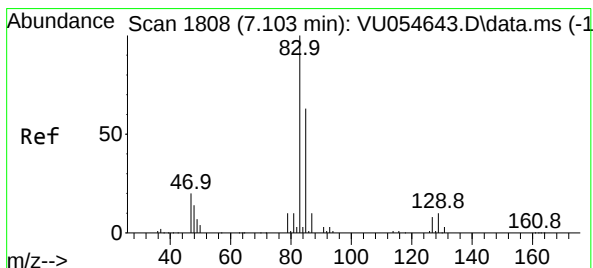
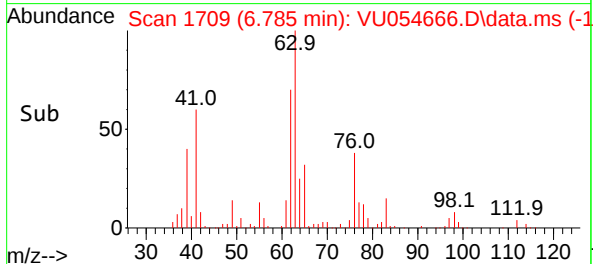
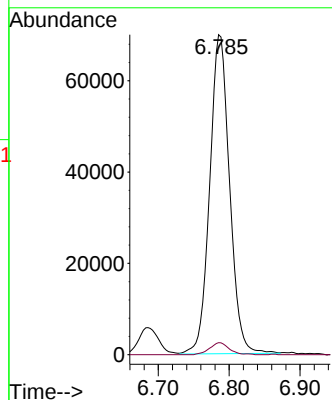
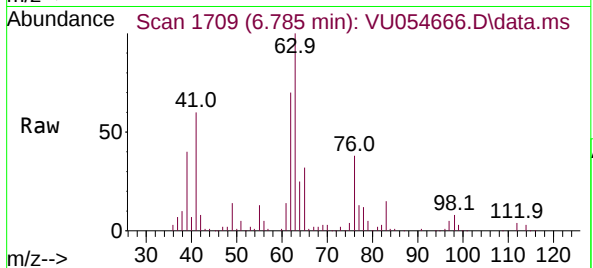
VSTD005196

Tgt Ion: 63 Resp: 136112

Ion Ratio Lower Upper

63 100

112 3.6 3.0 4.6



#38

Bromodichloromethane

Concen: 4.912 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.003 min

Lab File: VU054666.D

Acq: 22 Jun 2023 19:15

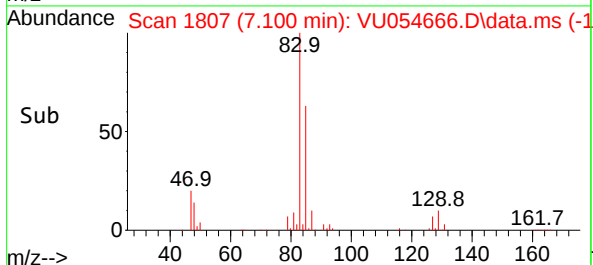
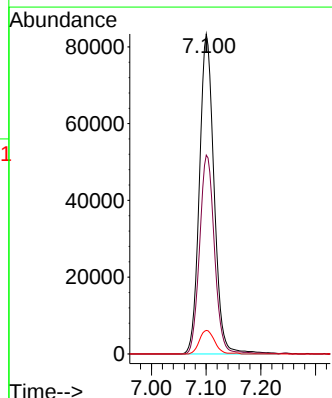
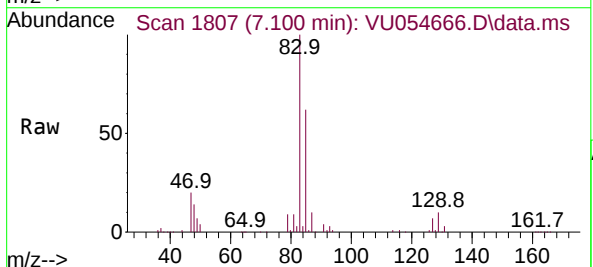
Tgt Ion: 83 Resp: 155026

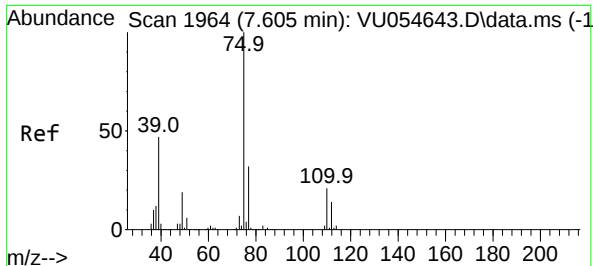
Ion Ratio Lower Upper

83 100

85 62.1 44.1 81.9

127 7.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.615 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU054666.D

Acq: 22 Jun 2023 19:15

Instrument :

MSVOA_U

ClientSampleId :

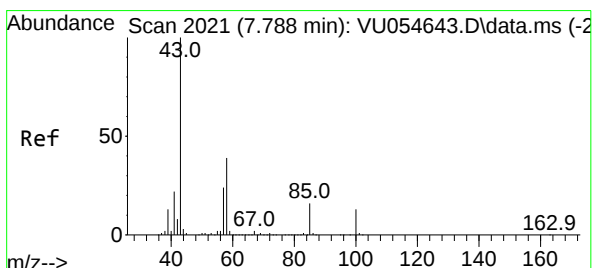
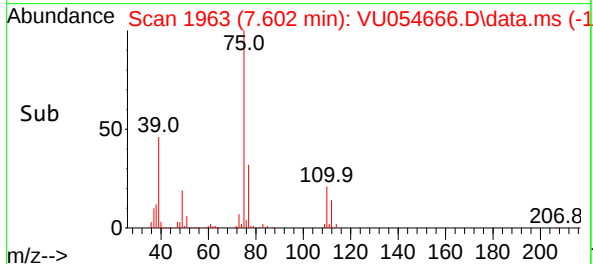
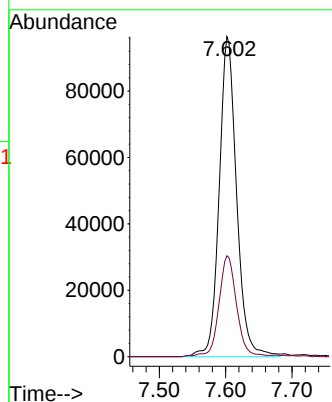
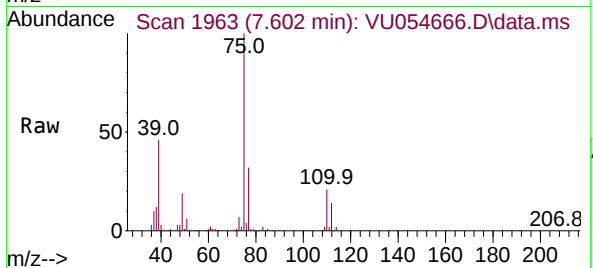
VSTD005196

Tgt Ion: 75 Resp: 175660

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 53.031 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.003 min

Lab File: VU054666.D

Acq: 22 Jun 2023 19:15

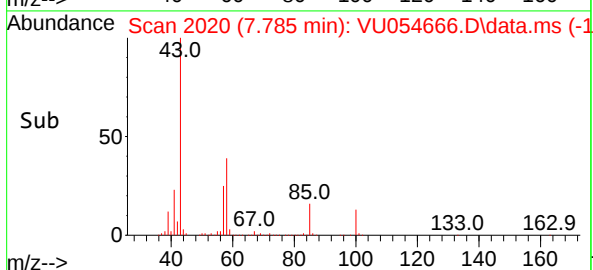
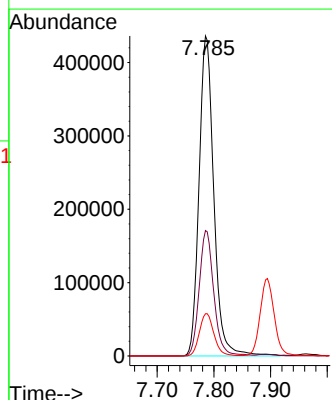
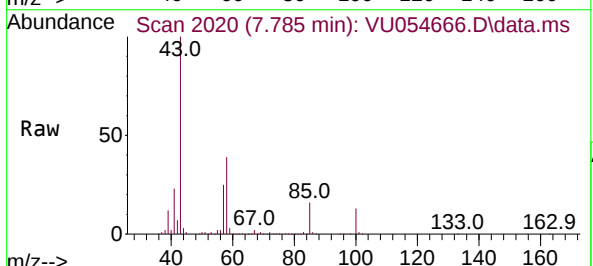
Tgt Ion: 43 Resp: 788999

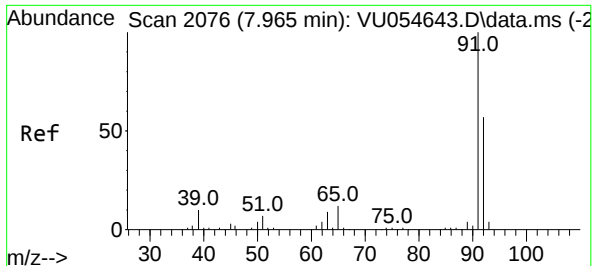
Ion Ratio Lower Upper

43 100

58 38.7 32.4 48.6

100 13.1 11.4 17.2





#42

Toluene

Concen: 4.667 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054666.D

Acq: 22 Jun 2023 19:15

Instrument :

MSVOA_U

ClientSampleId :

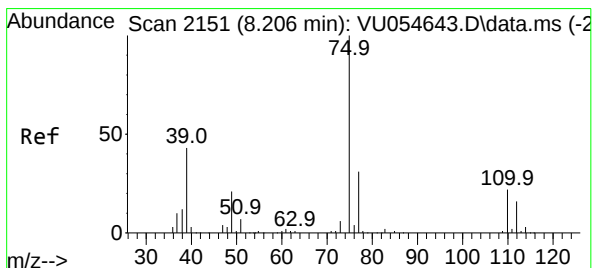
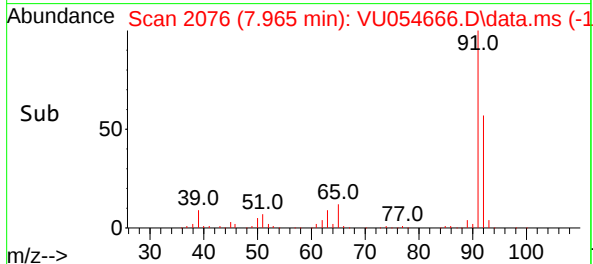
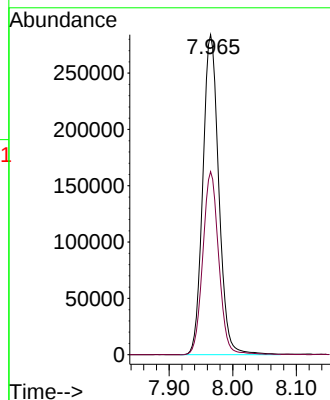
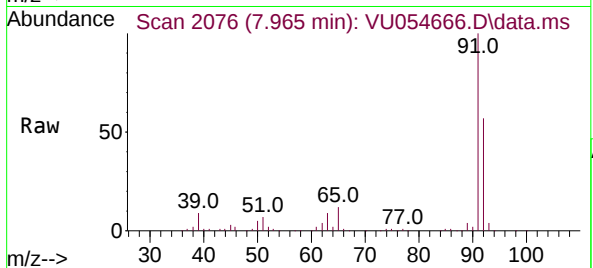
VSTD005196

Tgt Ion: 91 Resp: 495535

Ion Ratio Lower Upper

91 100

92 57.2 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 4.740 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU054666.D

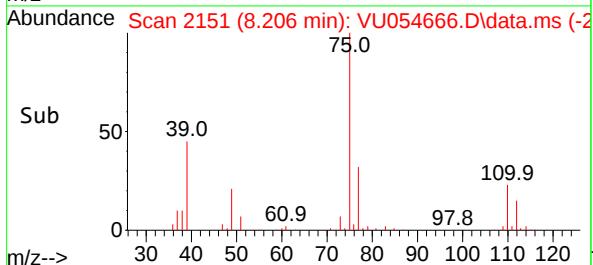
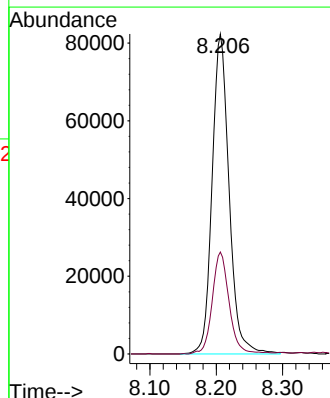
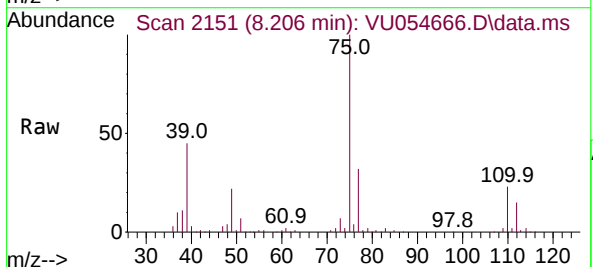
Acq: 22 Jun 2023 19:15

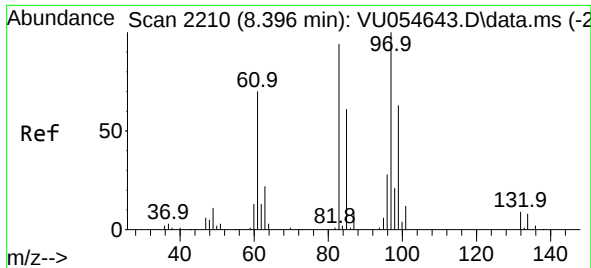
Tgt Ion: 75 Resp: 146425

Ion Ratio Lower Upper

75 100

77 31.9 21.3 39.6

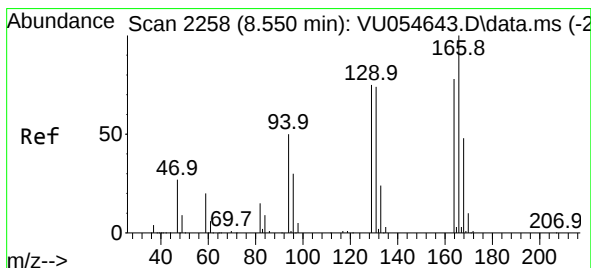
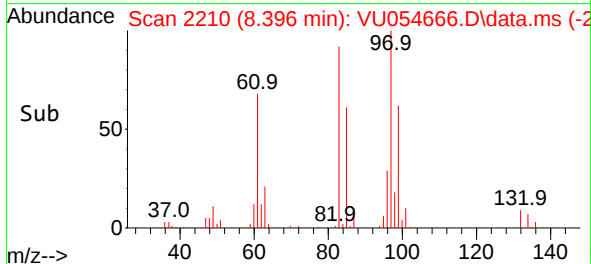
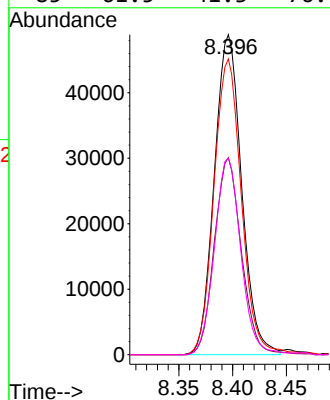
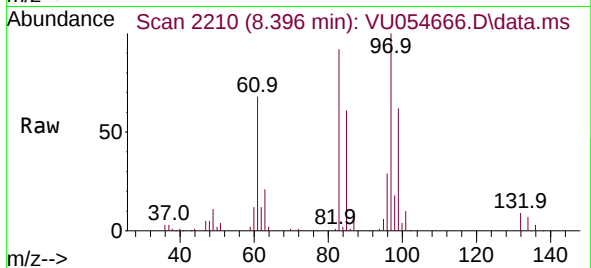




#45
1,1,2-Trichloroethane
Concen: 4.874 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

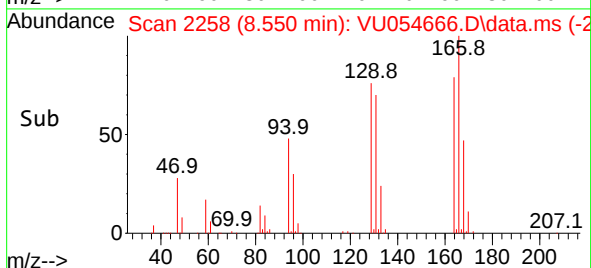
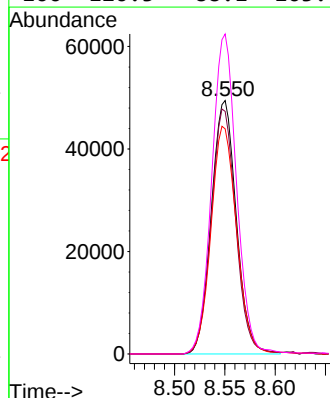
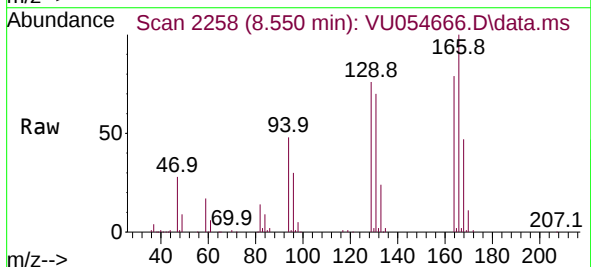
Instrument :
MSVOA_U
ClientSampleId :
VSTD005196

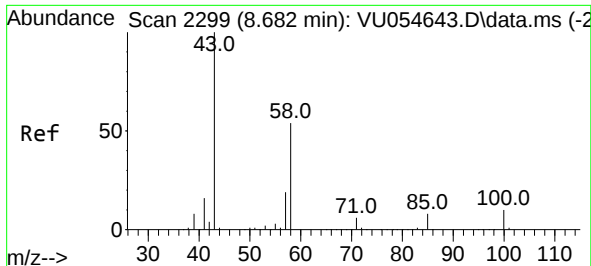
Tgt Ion: 97	Resp: 86441
Ion Ratio	Lower Upper
97 100	
99 61.5	43.0 80.0
83 92.4	63.8 118.6
85 61.5	41.3 76.7



#47
Tetrachloroethene
Concen: 4.095 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

Tgt	Ion:164	Resp:	85465
Ion	Ratio	Lower	Upper
164	100		
129	95.8	67.7	125.7
131	88.9	64.6	120.0
166	126.3	88.1	163.7

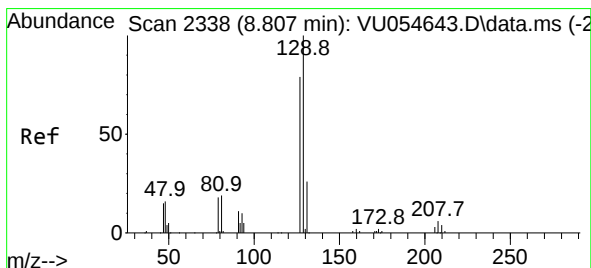
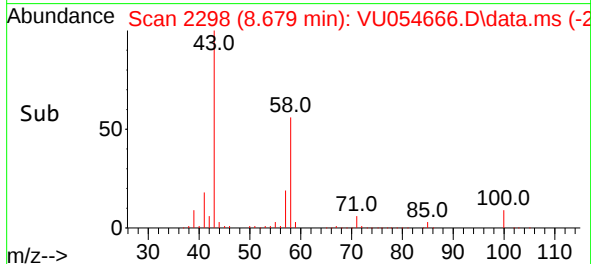
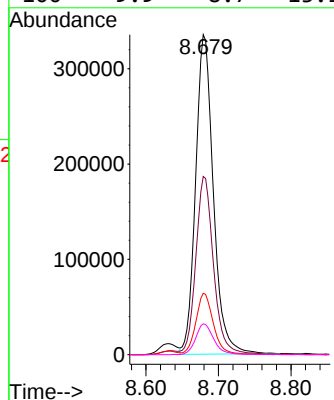
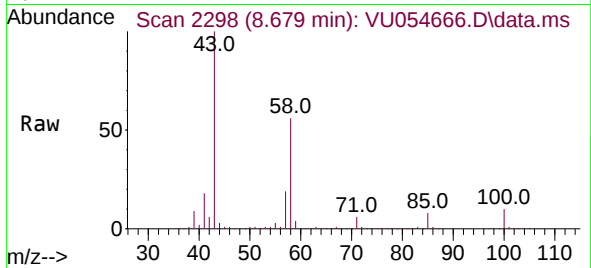




#48
2-Hexanone
Concen: 51.487 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

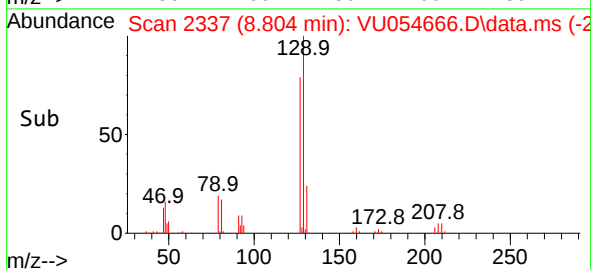
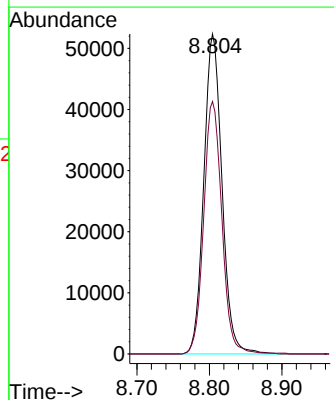
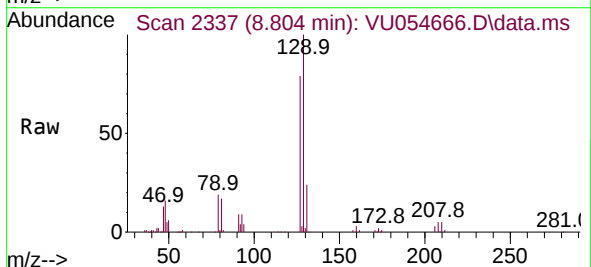
Instrument :
MSVOA_U
ClientSampleId :
VSTD005196

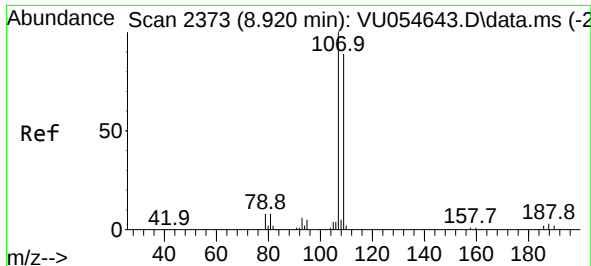
Tgt Ion: 43 Resp: 570768
Ion Ratio Lower Upper
43 100
58 55.3 45.2 67.8
57 18.9 15.8 23.6
100 9.9 8.7 13.1



#49
Dibromochloromethane
Concen: 4.898 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

Tgt Ion: 129 Resp: 91223
Ion Ratio Lower Upper
129 100
127 78.9 53.2 98.8





#50

1,2-Dibromoethane

Concen: 4.682 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054666.D

Acq: 22 Jun 2023 19:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD005196

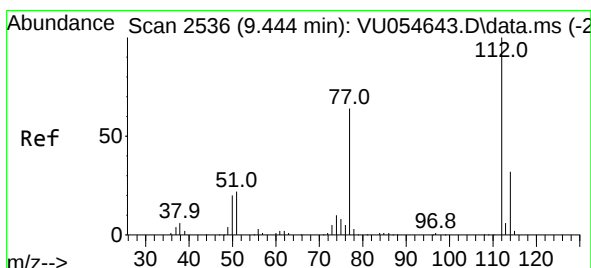
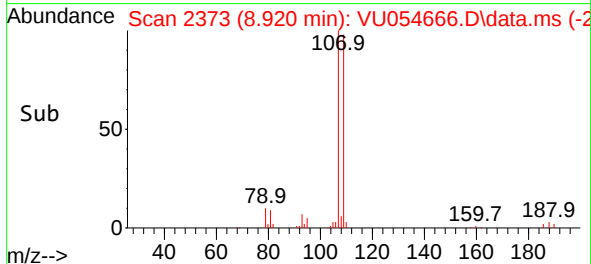
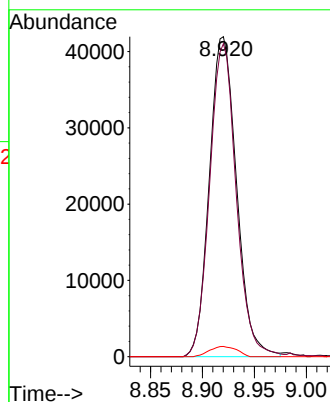
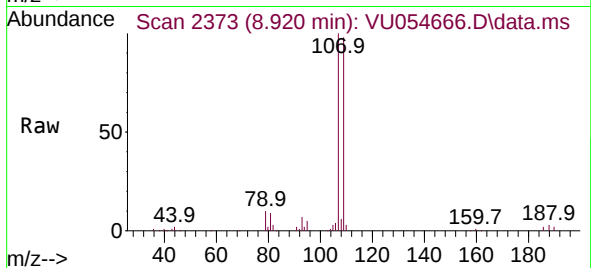
Tgt Ion:107 Resp: 76242

Ion Ratio Lower Upper

107 100

109 97.8 66.6 123.6

188 3.2 3.1 4.7



#51

Chlorobenzene

Concen: 4.598 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU054666.D

Acq: 22 Jun 2023 19:15

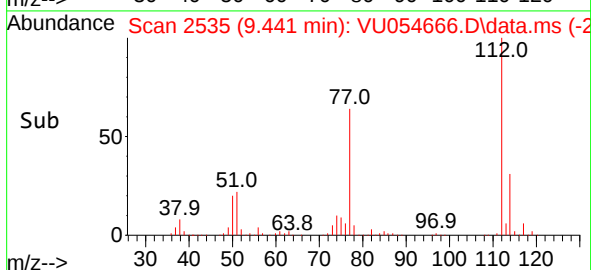
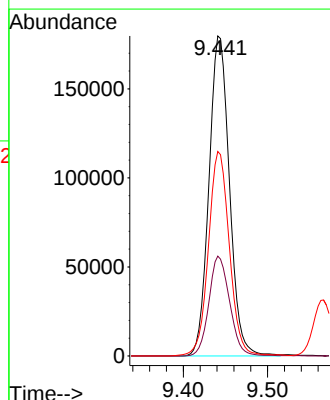
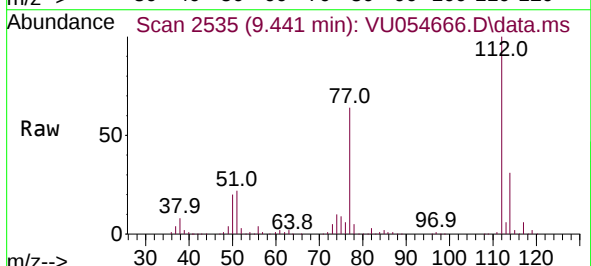
Tgt Ion:112 Resp: 304363

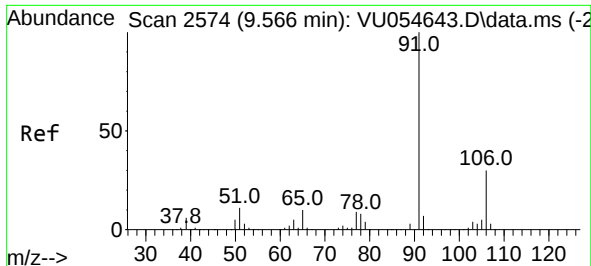
Ion Ratio Lower Upper

112 100

114 31.2 22.7 42.1

77 63.9 49.8 74.8

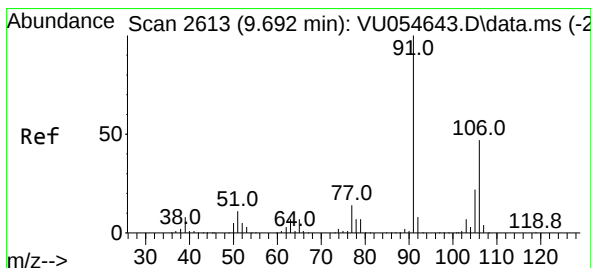
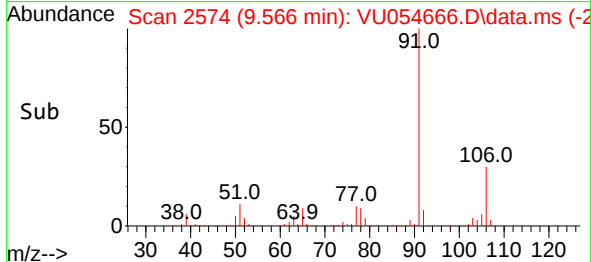
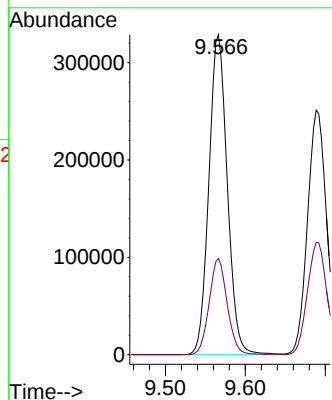
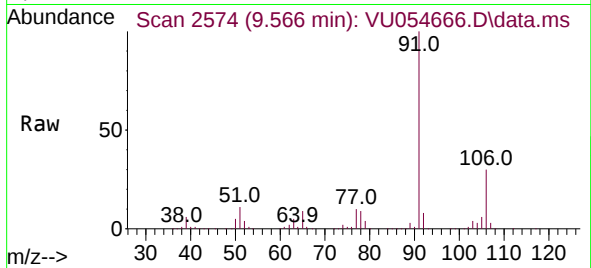




#52
Ethylbenzene
Concen: 4.540 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

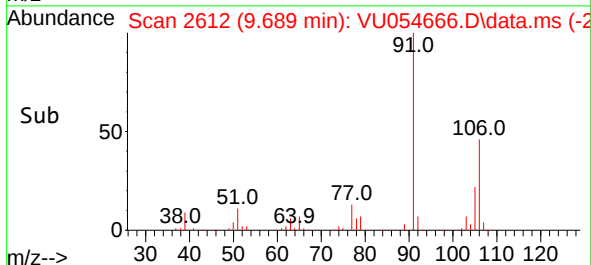
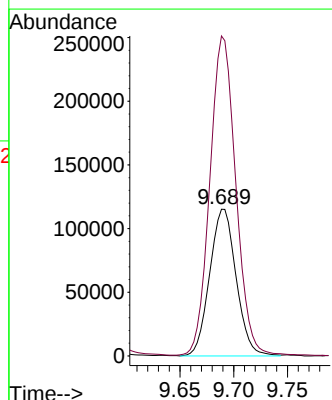
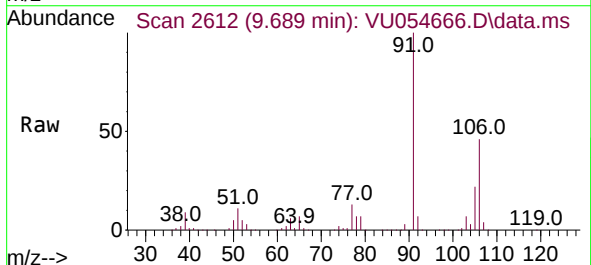
Instrument :
MSVOA_U
ClientSampleId :
VSTD005196

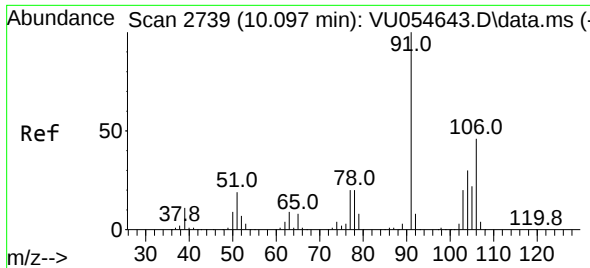
Tgt Ion: 91 Resp: 526521
Ion Ratio Lower Upper
91 100
106 30.0 21.1 39.3



#53
m,p-Xylene
Concen: 4.640 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

Tgt Ion: 106 Resp: 197671
Ion Ratio Lower Upper
106 100
91 218.0 147.0 273.0

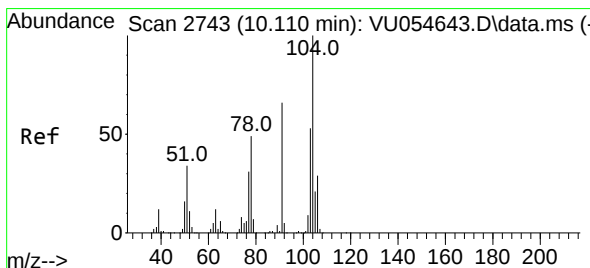
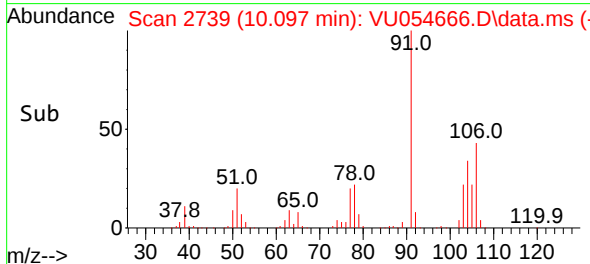
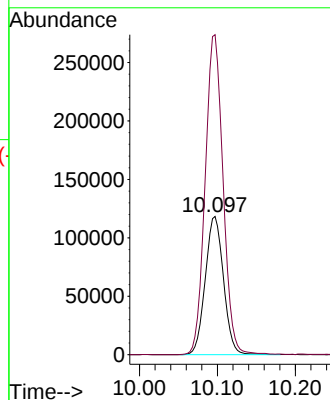
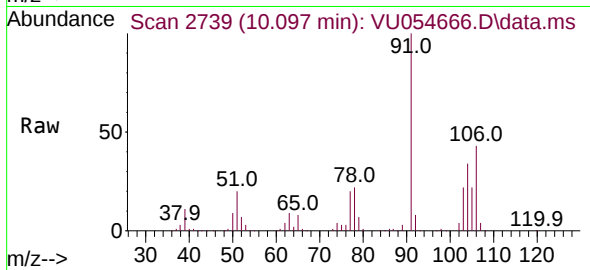




#54
o-Xylene
Concen: 4.667 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

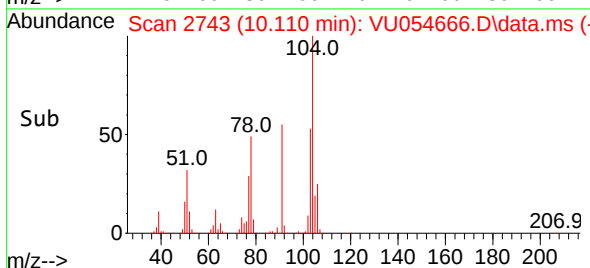
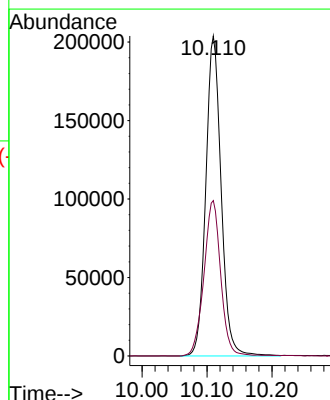
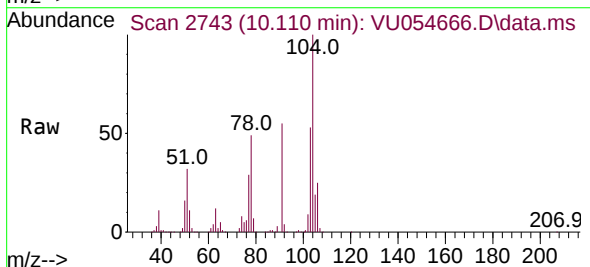
Instrument :
MSVOA_U
ClientSampleId :
VSTD005196

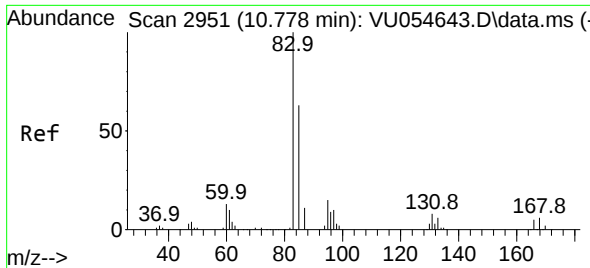
Tgt Ion:106 Resp: 192288
Ion Ratio Lower Upper
106 100
91 231.5 154.5 286.9



#55
Styrene
Concen: 4.850 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

Tgt Ion:104 Resp: 335360
Ion Ratio Lower Upper
104 100
78 48.5 33.0 61.4

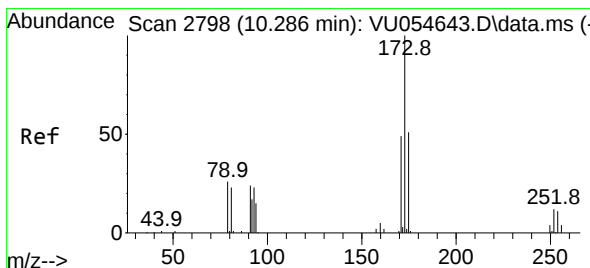
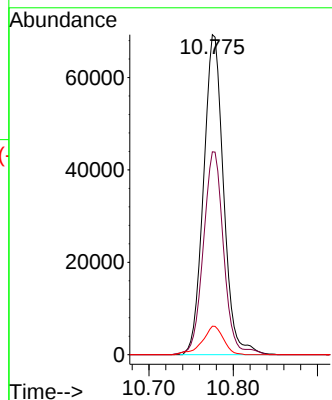
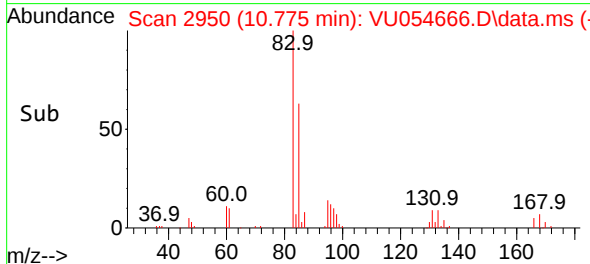
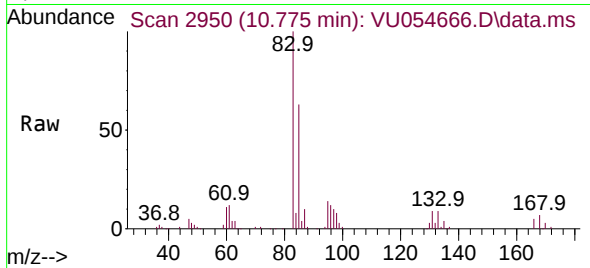




#57
1,1,2,2-Tetrachloroethane
Concen: 5.078 ug/L
RT: 10.775 min Scan# 2951
Delta R.T. -0.003 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

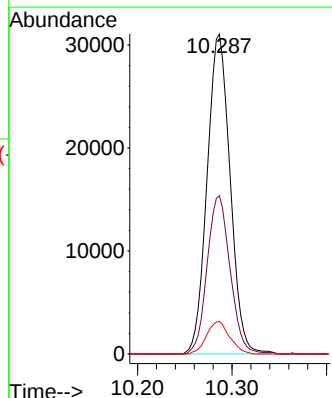
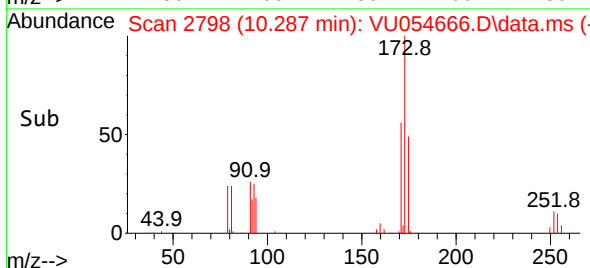
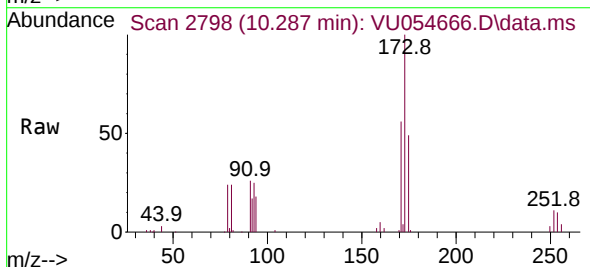
Instrument :
MSVOA_U
ClientSampleId :
VSTD005196

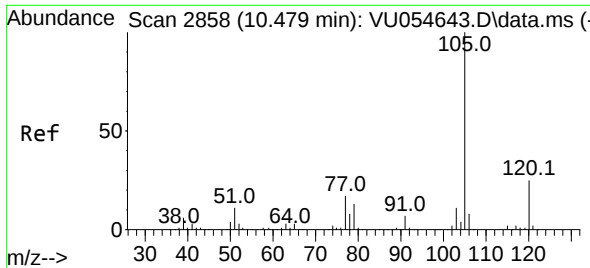
Tgt Ion: 83 Resp: 114388
Ion Ratio Lower Upper
83 100
85 63.4 44.2 82.2
131 8.9 7.0 10.6



#59
Bromoform
Concen: 4.987 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

Tgt Ion:173 Resp: 52574
Ion Ratio Lower Upper
173 100
175 49.2 39.4 59.0
254 10.2 8.6 12.8

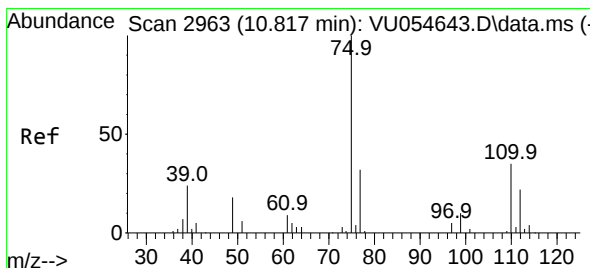
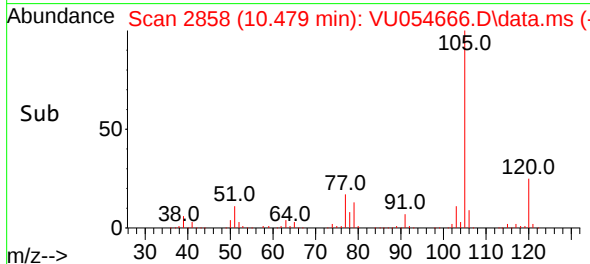
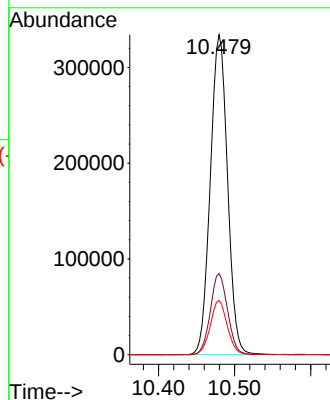
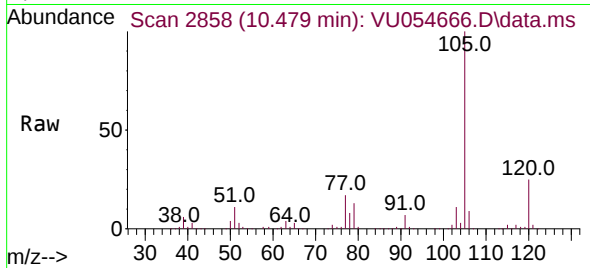




#60
Isopropylbenzene
Concen: 4.892 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

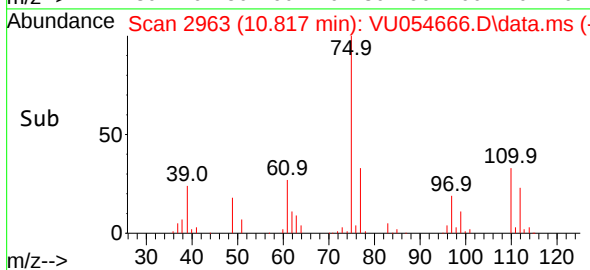
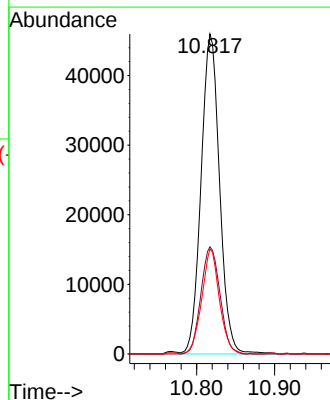
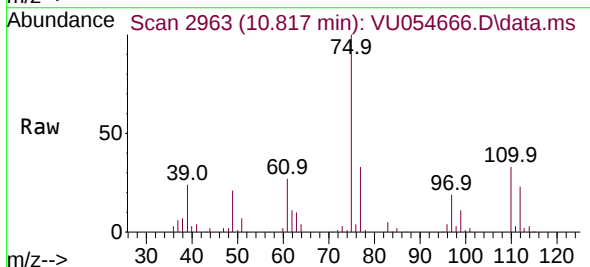
Instrument :
MSVOA_U
ClientSampleId :
VSTD005196

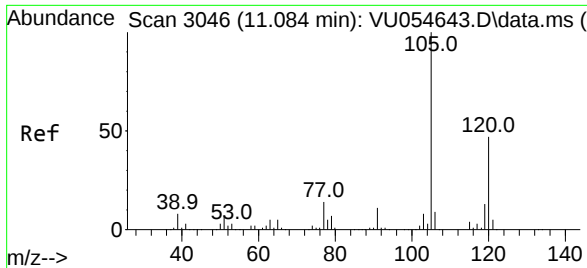
Tgt Ion:105 Resp: 525596
Ion Ratio Lower Upper
105 100
120 25.3 20.9 31.3
77 16.7 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 5.105 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

Tgt Ion: 75 Resp: 75764
Ion Ratio Lower Upper
75 100
110 34.3 28.0 42.0
77 31.3 25.4 38.2

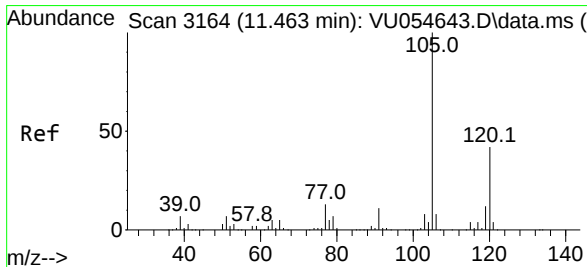
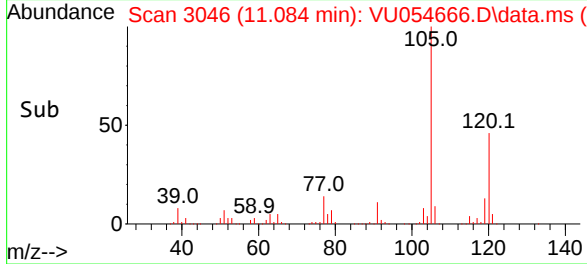
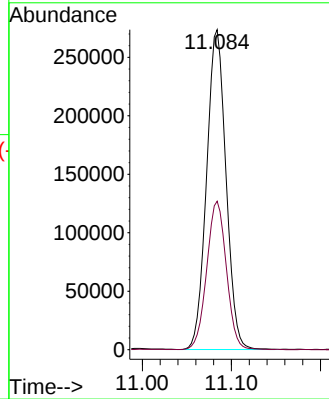
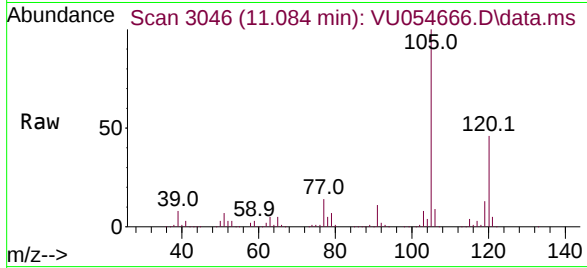




#62
 1,3,5-Trimethylbenzene
 Concen: 4.709 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU054666.D
 Acq: 22 Jun 2023 19:15

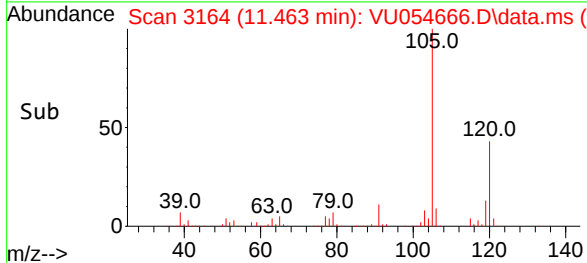
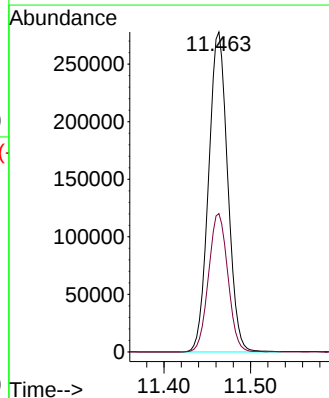
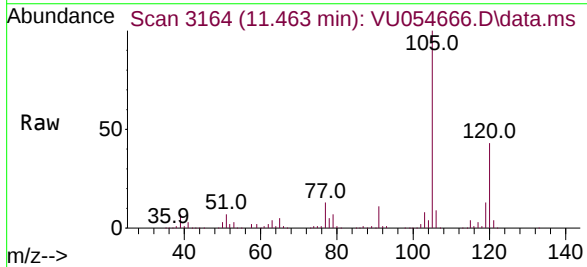
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005196

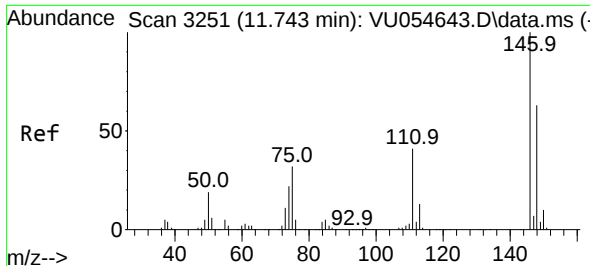
Tgt Ion:105 Resp: 412773
 Ion Ratio Lower Upper
 105 100
 120 46.9 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 4.782 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU054666.D
 Acq: 22 Jun 2023 19:15

Tgt Ion:105 Resp: 425709
 Ion Ratio Lower Upper
 105 100
 120 43.8 35.4 53.0

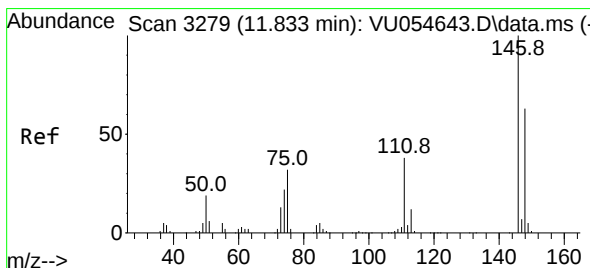
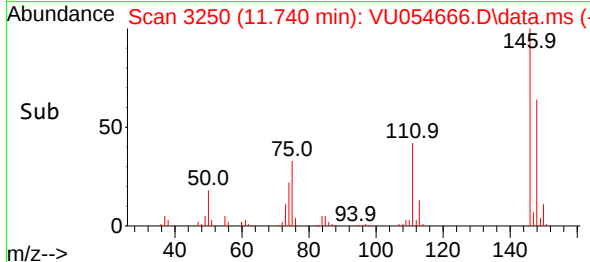
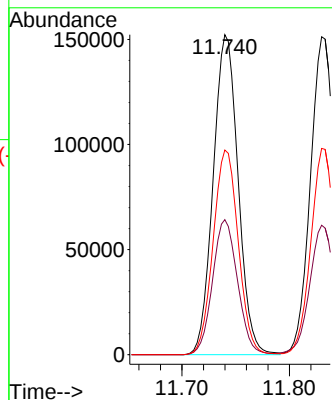
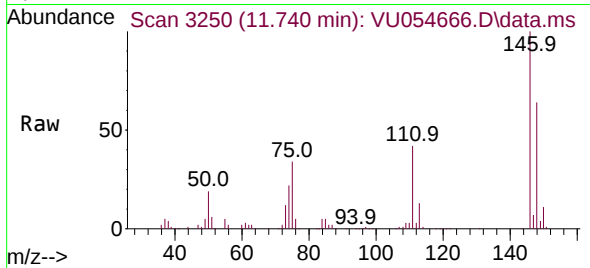




#64
1,3-Dichlorobenzene
Concen: 4.889 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

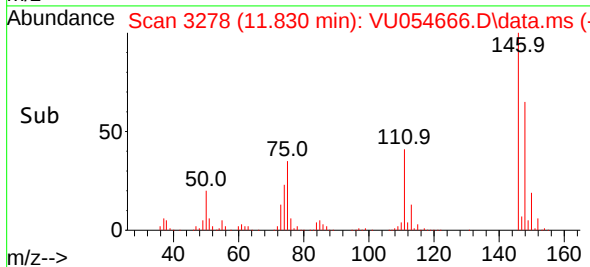
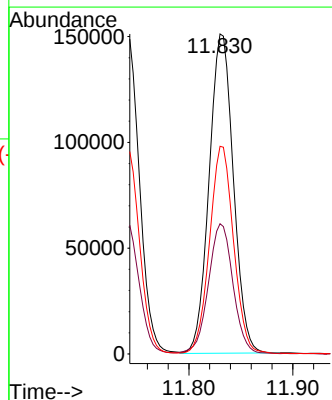
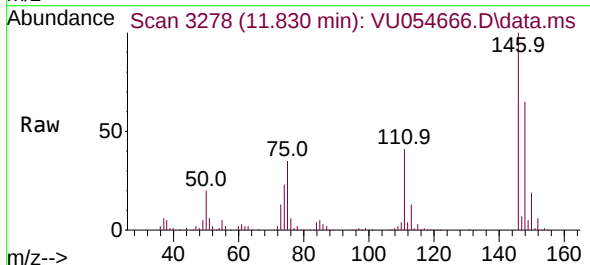
Instrument :
MSVOA_U
ClientSampleId :
VSTD005196

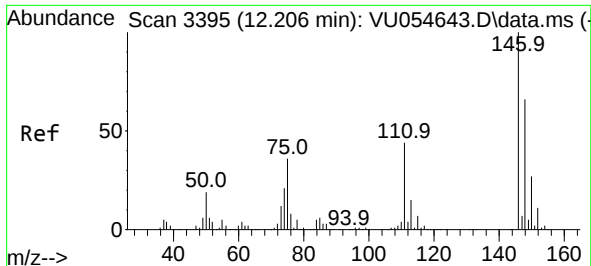
Tgt Ion:146 Resp: 245507
Ion Ratio Lower Upper
146 100
111 42.2 28.9 53.7
148 64.0 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 4.844 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

Tgt Ion:146 Resp: 244110
Ion Ratio Lower Upper
146 100
111 40.7 28.0 52.0
148 64.9 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 4.907 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054666.D

Acq: 22 Jun 2023 19:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD005196

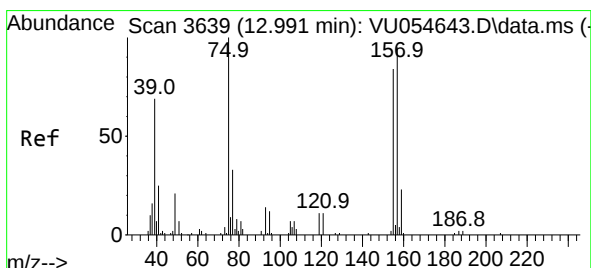
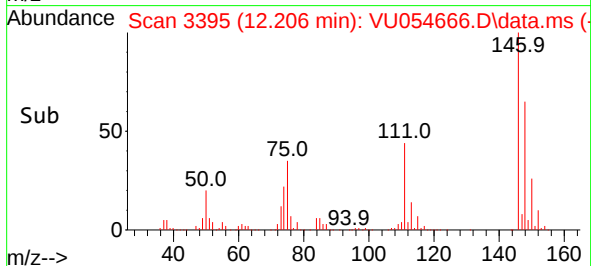
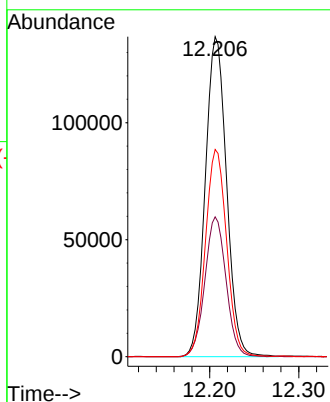
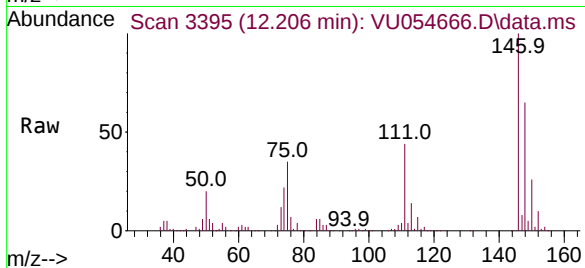
Tgt Ion:146 Resp: 226624

Ion Ratio Lower Upper

146 100

111 43.7 34.5 51.7

148 64.8 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.249 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU054666.D

Acq: 22 Jun 2023 19:15

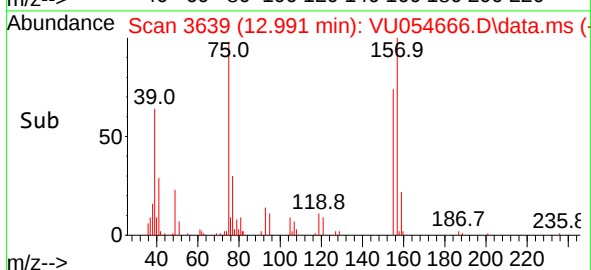
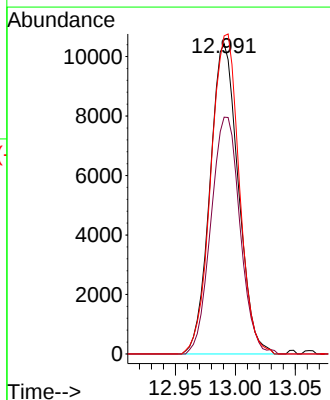
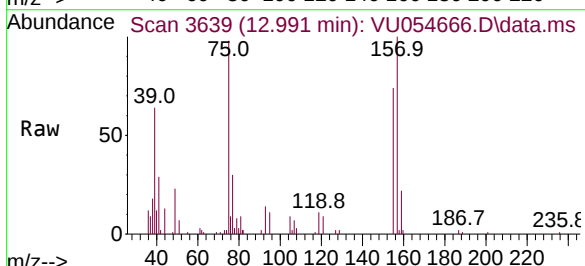
Tgt Ion: 75 Resp: 17119

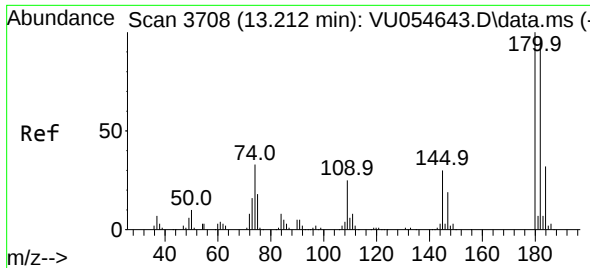
Ion Ratio Lower Upper

75 100

155 76.3 65.7 98.5

157 102.5 84.2 126.2

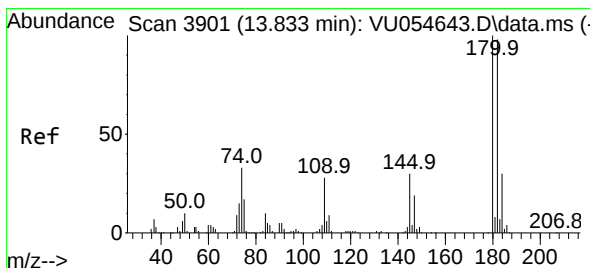
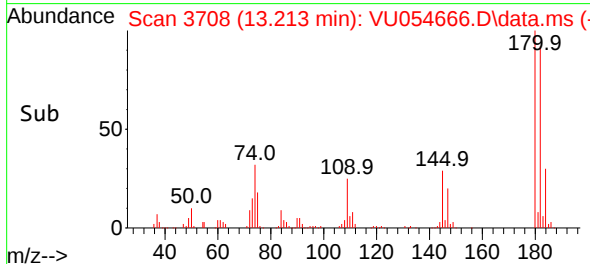
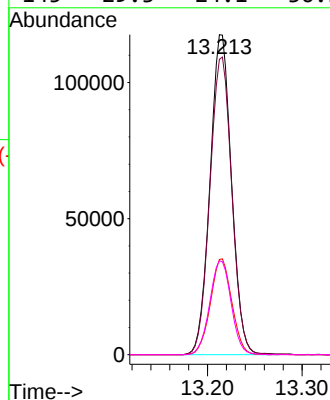
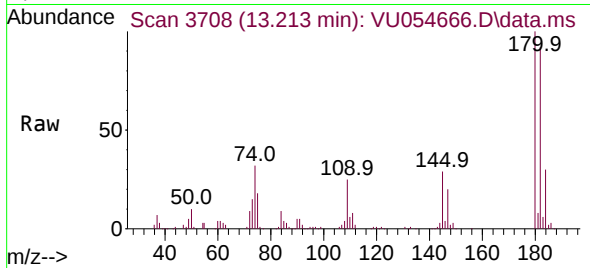




#69
1,3,5-Trichlorobenzene
Concen: 4.898 ug/L
RT: 13.213 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

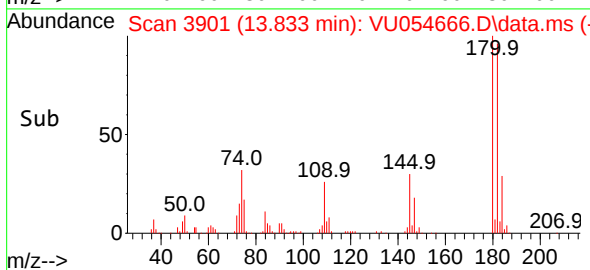
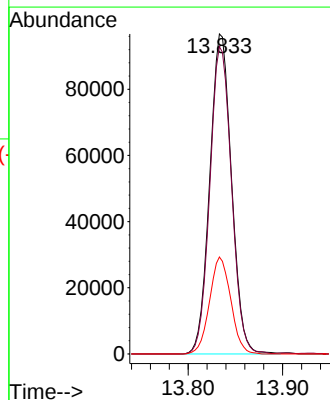
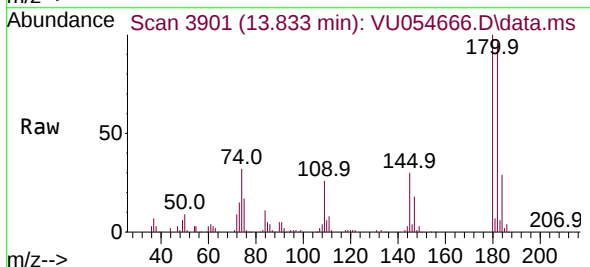
Instrument :
MSVOA_U
ClientSampleId :
VSTD005196

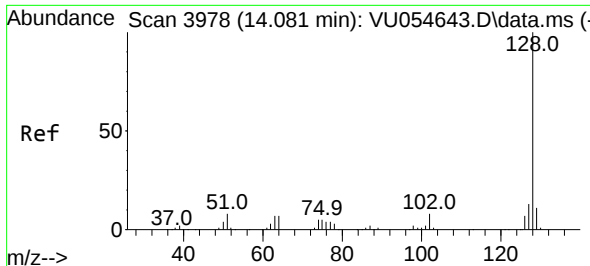
Tgt Ion:180 Resp: 185582
Ion Ratio Lower Upper
180 100
182 95.0 75.0 112.6
184 29.9 24.1 36.1
145 29.3 24.1 36.1



#70
1,2,4-trichlorobenzene
Concen: 4.939 ug/L
RT: 13.833 min Scan# 3901
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

Tgt Ion:180 Resp: 154735
Ion Ratio Lower Upper
180 100
182 95.5 76.6 114.8
145 29.5 24.0 36.0

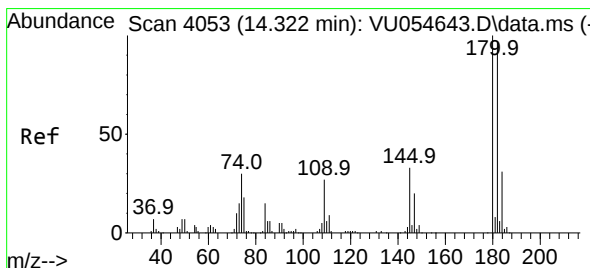
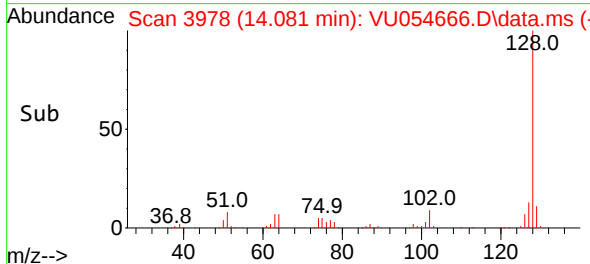
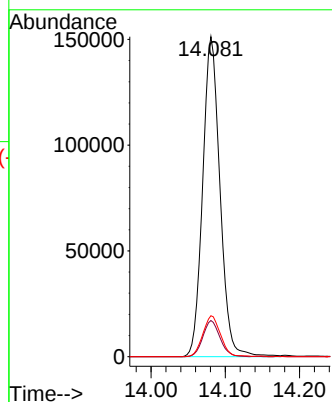
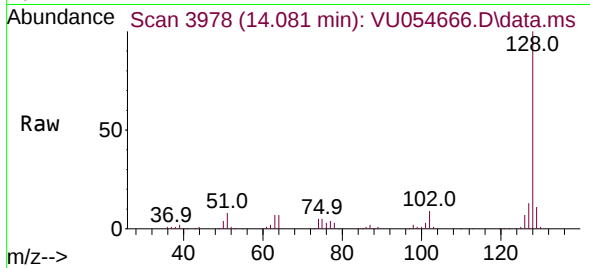




#71
Naphthalene
Concen: 4.811 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD005196

Tgt Ion:128	Resp: 245074
Ion Ratio	Lower Upper
128 100	
129 11.1	8.6 12.8
127 13.1	10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 5.014 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VU054666.D
Acq: 22 Jun 2023 19:15

Tgt Ion:180	Resp: 134957		
Ion Ratio	Lower	Upper	
180 100			
182 95.3	75.4	113.2	
145 31.5	26.0	39.0	

