

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061623\
 Data File : VU054582.D
 Acq On : 16 Jun 2023 19:00
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005188

Quant Time: Jun 17 06:18:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 17 06:10:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	258714	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	244758	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	134099	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	57657	3.502	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.000%
7) Chloroethane-d5	1.911	69	75839	4.920	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.400%
11) 1,1-Dichloroethene-d2	2.566	65	27441	3.732	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.600%
20) 2-Butanone-d5	4.627	46	257130	55.545	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.080%
24) Chloroform-d	5.058	84	182179	5.293	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.800%
26) 1,2-Dichloroethane-d4	5.698	65	87965	5.243	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
32) Benzene-d6	5.724	84	333752	4.905	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
36) 1,2-Dichloropropane-d6	6.685	67	115676	5.091	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.800%
41) Toluene-d8	7.894	98	288124	4.772	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	8.177	79	37479	4.743	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.800%
46) 2-Hexanone-d5	8.627	63	180870	54.562	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.120%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	91287	5.388	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	109783	4.854	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	110741	4.581	ug/L	98
3) Chloromethane	1.518	50	133152	4.795	ug/L	99
5) Vinyl chloride	1.602	62	137723	4.832	ug/L	98
6) Bromomethane	1.856	94	78355	5.000	ug/L	98
8) Chloroethane	1.933	64	88055	5.154	ug/L	96
9) Trichlorofluoromethane	2.136	101	183444	5.235	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	104774	5.111	ug/L	99
12) 1,1-Dichloroethene	2.579	96	95682	5.099	ug/L	99
13) Acetone	2.637	43	167859	38.458	ug/L	99
14) Carbon disulfide	2.791	76	270963	4.869	ug/L	100
15) Methyl Acetate	2.952	43	38458	4.755	ug/L	99
16) Methylene chloride	3.042	84	112029	4.246	ug/L	98
17) Methyl tert-butyl Ether	3.361	73	246623	5.325	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	102001	5.265	ug/L	94
19) 1,1-Dichloroethane	3.865	63	209717	5.231	ug/L	99
21) 2-Butanone	4.708	43	269718	47.614	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	115572	5.238	ug/L	98
23) Bromochloromethane	4.971	128	50273	5.476	ug/L	89
25) Chloroform	5.084	83	214323	5.422	ug/L	98

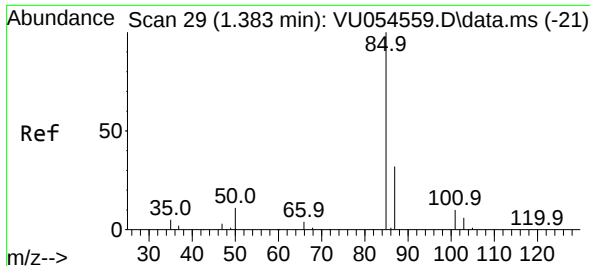
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061623\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	123664	5.337	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	174851	5.268	ug/L	99
30) Cyclohexane	5.386	56	162276	4.489	ug/L	96
31) Carbon tetrachloride	5.521	117	153578	5.370	ug/L	99
33) Benzene	5.772	78	454036	5.162	ug/L	100
34) Trichloroethene	6.537	95	116784	5.021	ug/L	94
35) Methylcyclohexane	6.759	83	156179	4.442	ug/L	99
37) 1,2-Dichloropropane	6.788	63	124144	5.220	ug/L	100
38) Bromodichloromethane	7.100	83	143857	5.343	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	167677	5.164	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	656782	51.746	ug/L	99
42) Toluene	7.965	91	482612	5.328	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	138492	5.255	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	83026	5.487	ug/L	99
47) Tetrachloroethene	8.550	164	88210	4.954	ug/L	95
48) 2-Hexanone	8.679	43	476446	50.379	ug/L	98
49) Dibromochloromethane	8.804	129	91495	5.759	ug/L	99
50) 1,2-Dibromoethane	8.920	107	76384	5.499	ug/L	97
51) Chlorobenzene	9.444	112	298739	5.290	ug/L	99
52) Ethylbenzene	9.566	91	515955	5.215	ug/L	98
53) m,p-Xylene	9.692	106	195943	5.391	ug/L	98
54) o-Xylene	10.097	106	190924	5.432	ug/L	99
55) Styrene	10.110	104	320155	5.427	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	105091	5.468	ug/L	100
59) Bromoform	10.286	173	55928	5.809	ug/L	99
60) Isopropylbenzene	10.479	105	514386	5.243	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	68937	5.087	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	410430	5.128	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	416425	5.123	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	245045	5.344	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	245020	5.324	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	226317	5.366	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	16046	5.388	ug/L	99
69) 1,3,5-Trichlorobenzene	13.216	180	183947	5.317	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	153081	5.351	ug/L	99
71) Naphthalene	14.080	128	245378	5.275	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	136477	5.553	ug/L	98

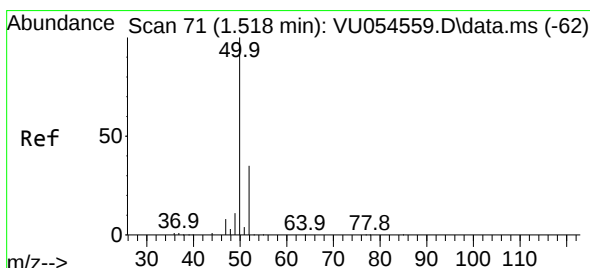
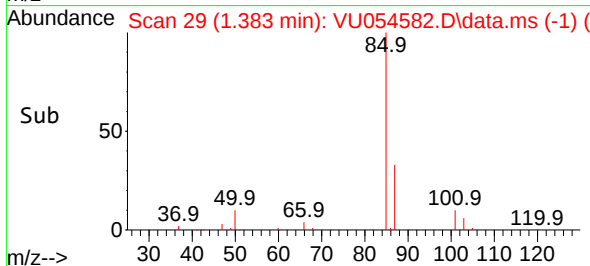
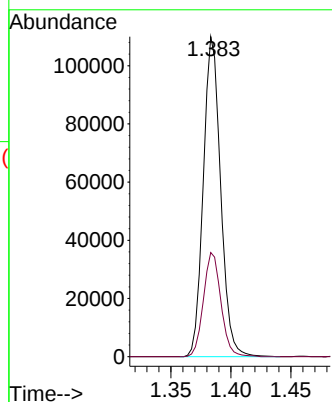
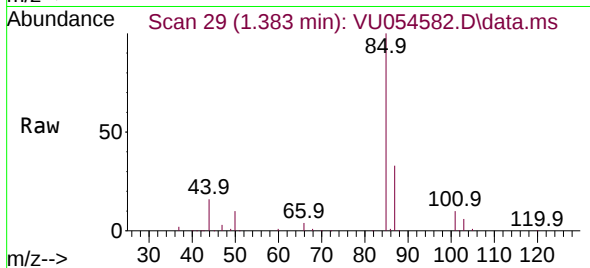
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.581 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU054582.D
 Acq: 16 Jun 2023 19:00

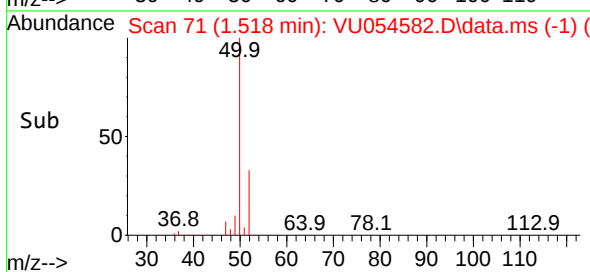
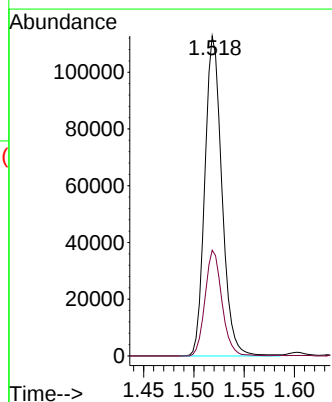
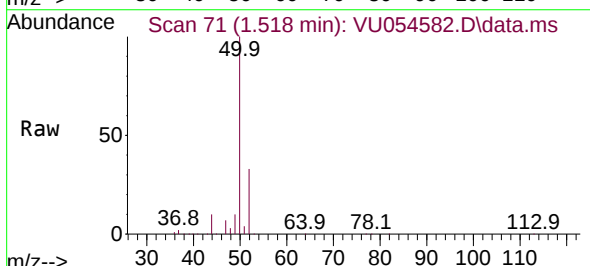
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005188

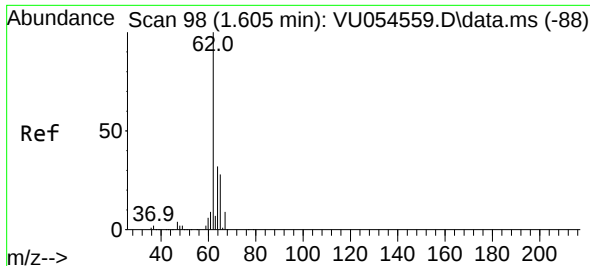
Tgt Ion: 85 Resp: 110741
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.4 38.2



#3
 Chloromethane
 Concen: 4.795 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU054582.D
 Acq: 16 Jun 2023 19:00

Tgt Ion: 50 Resp: 133152
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.4 43.4

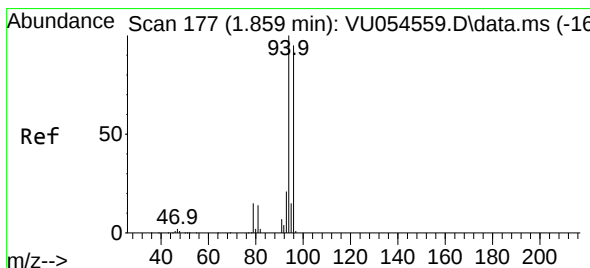
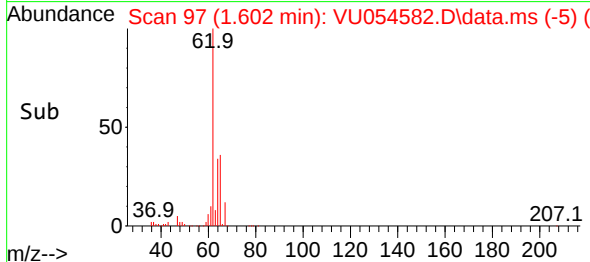
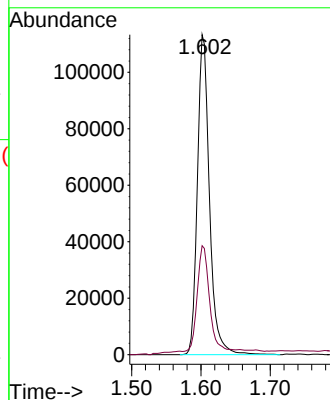
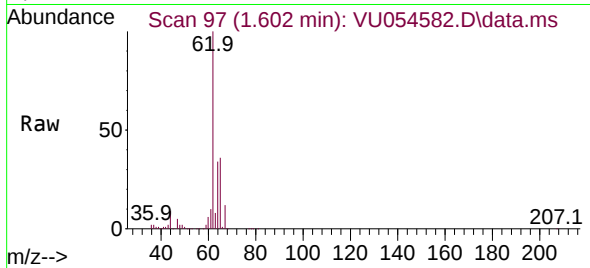




#5
 Vinyl chloride
 Concen: 4.832 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU054582.D
 Acq: 16 Jun 2023 19:00

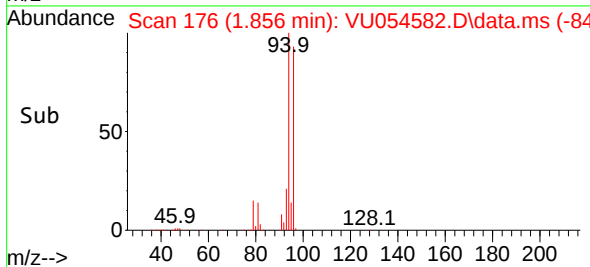
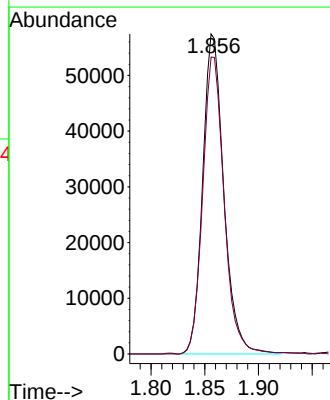
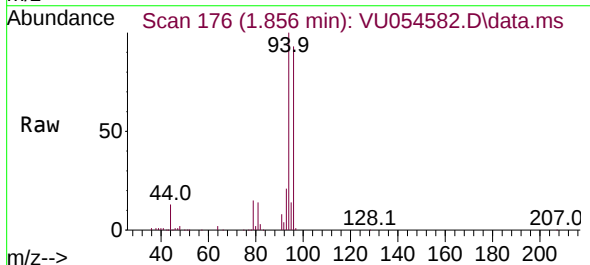
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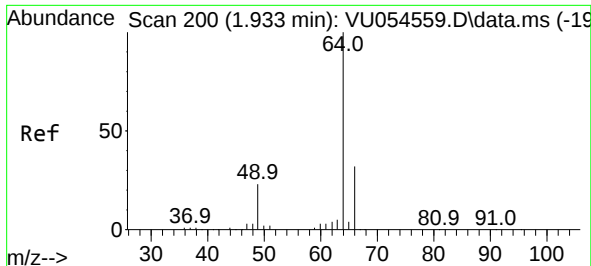
Tgt Ion: 62 Resp: 137723
 Ion Ratio Lower Upper
 62 100
 64 34.1 23.0 42.6



#6
 Bromomethane
 Concen: 5.000 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.003 min
 Lab File: VU054582.D
 Acq: 16 Jun 2023 19:00

Tgt Ion: 94 Resp: 78355
 Ion Ratio Lower Upper
 94 100
 96 92.8 63.6 118.2





#8

Chloroethane

Concen: 5.154 ug/L

RT: 1.933 min Scan# 200

Delta R.T. -0.000 min

Lab File: VU054582.D

Acq: 16 Jun 2023 19:00

Instrument :

MSVOA_U

ClientSampleId :

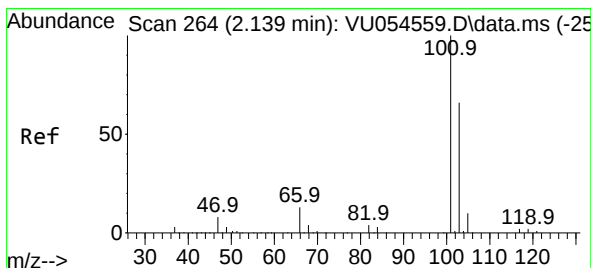
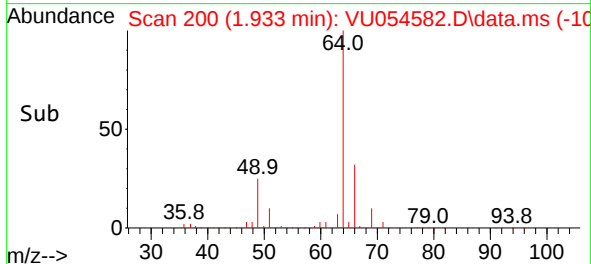
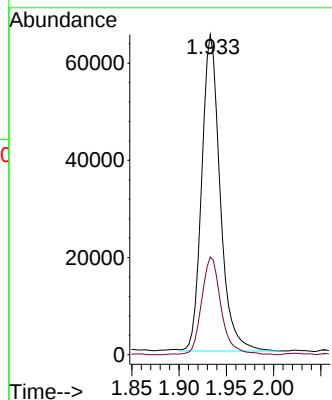
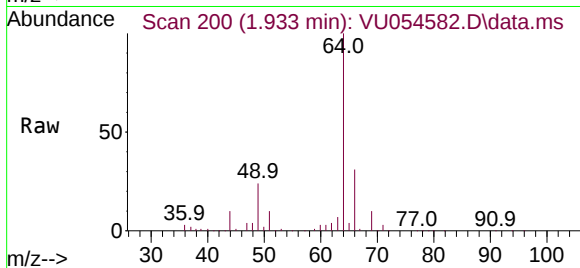
VSTD005188

Tgt Ion: 64 Resp: 88055

Ion Ratio Lower Upper

64 100

66 30.6 22.9 42.5



#9

Trichlorofluoromethane

Concen: 5.235 ug/L

RT: 2.136 min Scan# 263

Delta R.T. -0.003 min

Lab File: VU054582.D

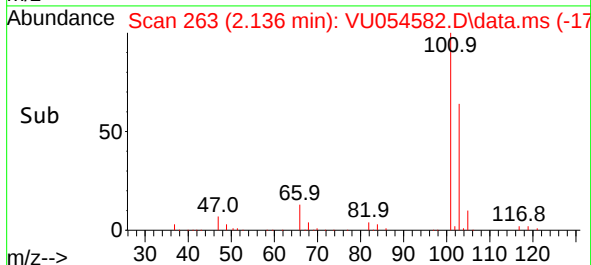
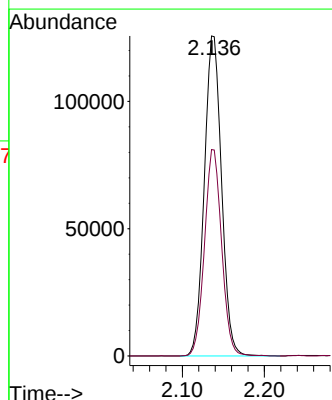
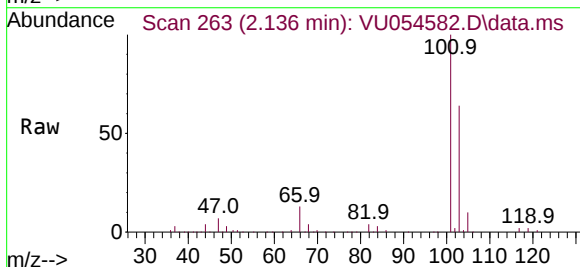
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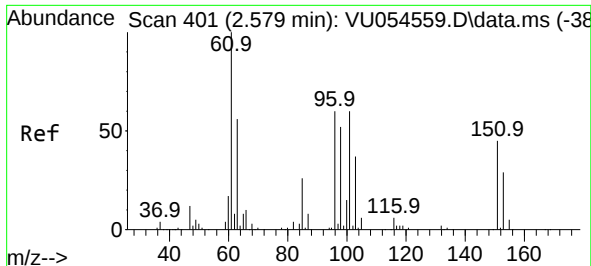
Tgt Ion: 101 Resp: 183444

Ion Ratio Lower Upper

101 100

103 64.1 50.6 75.8

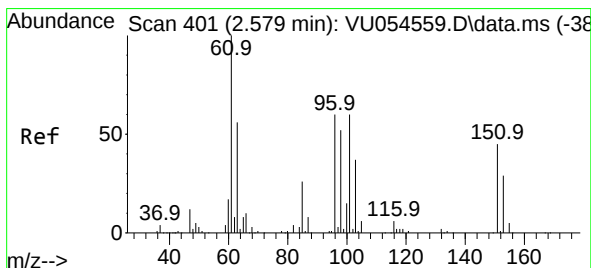
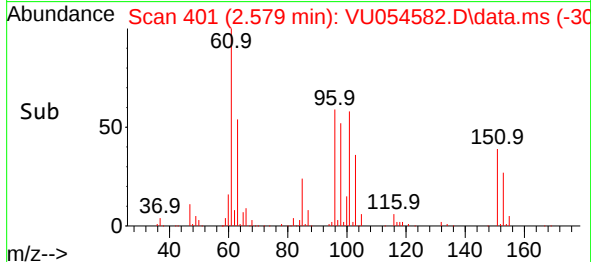
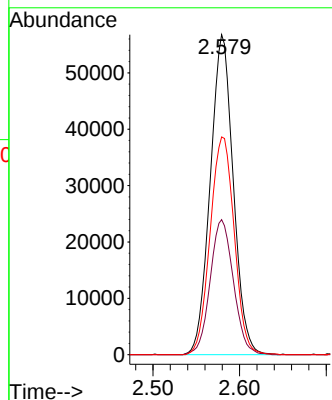
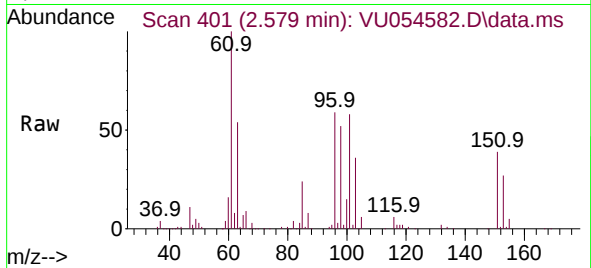




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.111 ug/L
RT: 2.579 min Scan# 401
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

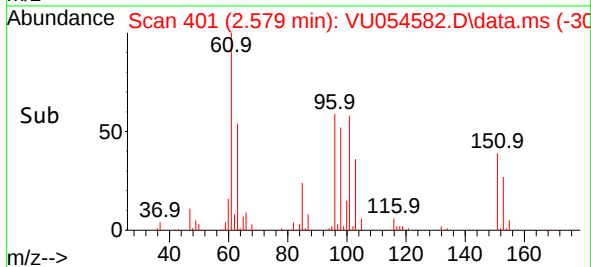
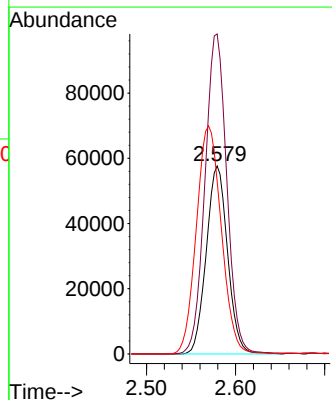
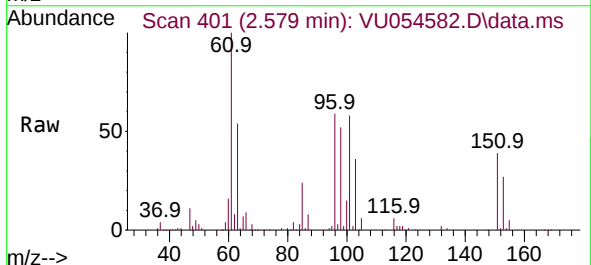
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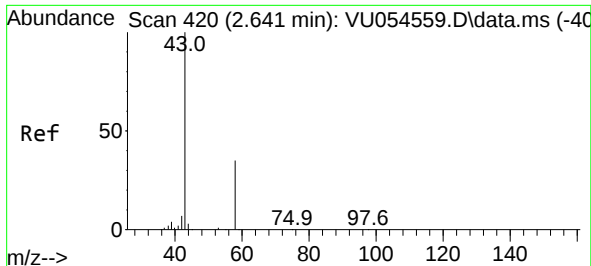
Tgt Ion:101 Resp: 104774
Ion Ratio Lower Upper
101 100
85 42.7 34.6 51.8
151 71.2 57.7 86.5



#12
1,1-Dichloroethene
Concen: 5.099 ug/L
RT: 2.579 min Scan# 401
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

Tgt Ion: 96 Resp: 95682
Ion Ratio Lower Upper
96 100
61 170.1 119.9 222.7
63 91.9 64.3 119.3





#13

Acetone

Concen: 38.458 ug/L

RT: 2.637 min Scan# 419

Delta R.T. -0.003 min

Lab File: VU054582.D

Acq: 16 Jun 2023 19:00

Instrument :

MSVOA_U

ClientSampleId :

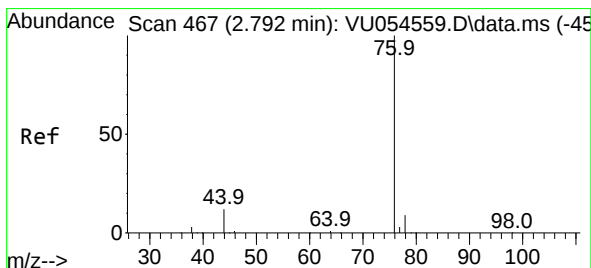
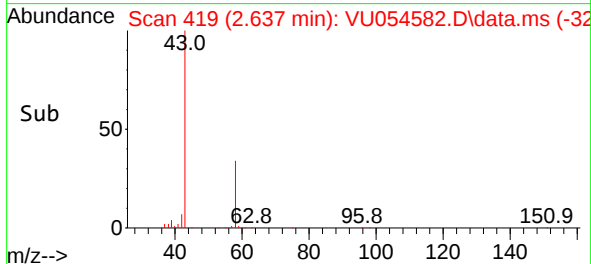
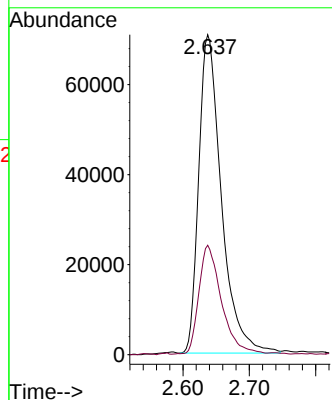
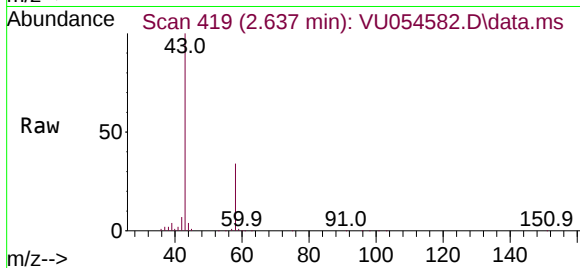
VSTD005188

Tgt Ion: 43 Resp: 167859

Ion Ratio Lower Upper

43 100

58 34.1 0.0 67.2



#14

Carbon disulfide

Concen: 4.869 ug/L

RT: 2.791 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU054582.D

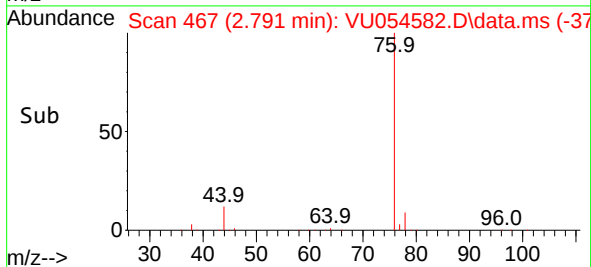
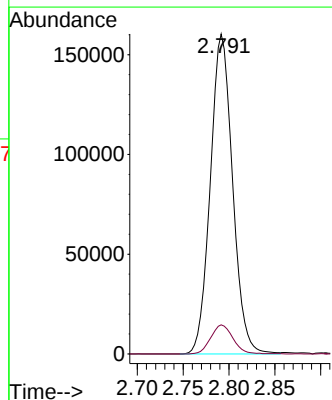
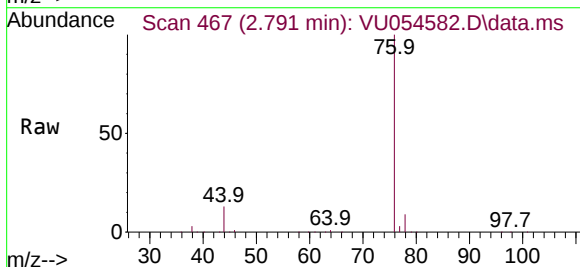
Acq: 16 Jun 2023 19:00

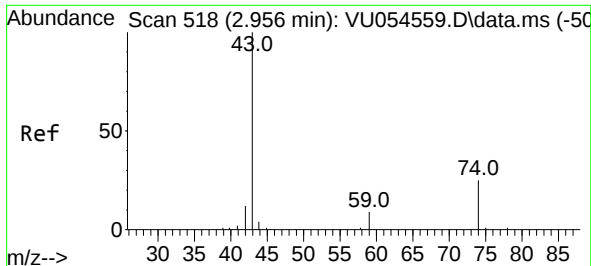
Tgt Ion: 76 Resp: 270963

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

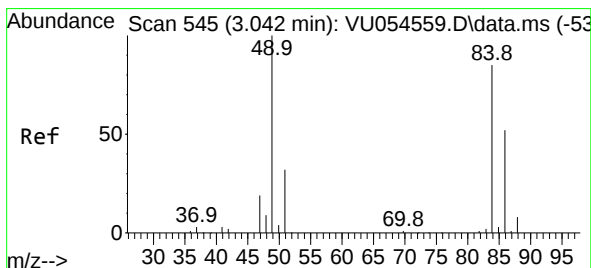
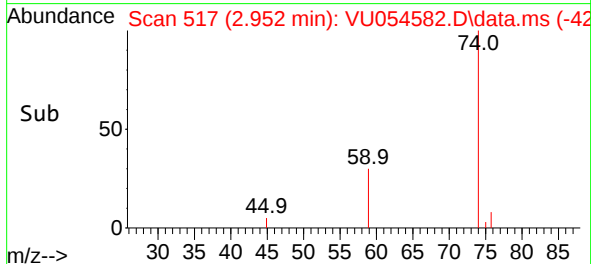
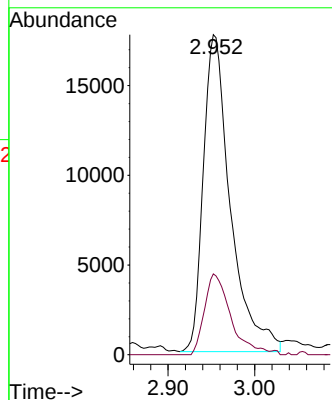
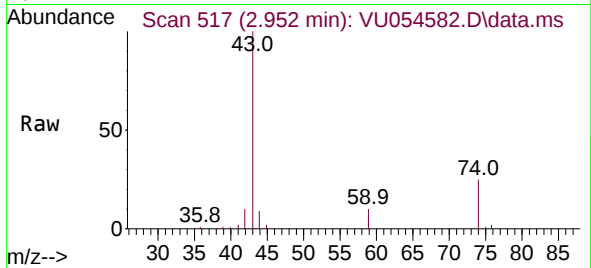




#15
Methyl Acetate
Concen: 4.755 ug/L
RT: 2.952 min Scan# 518
Delta R.T. -0.003 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

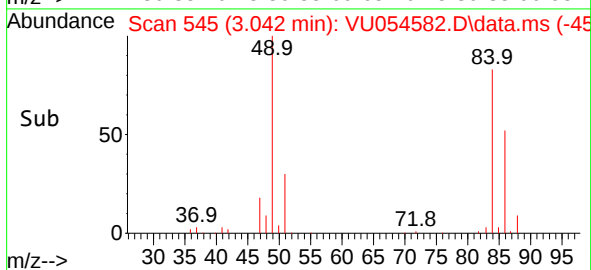
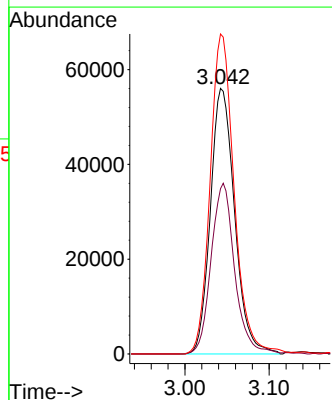
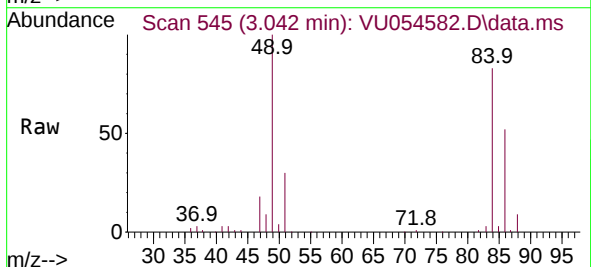
Instrument :
MSVOA_U
ClientSampleId :
VSTD005188

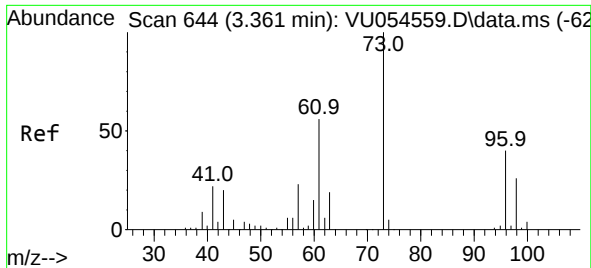
Tgt Ion: 43 Resp: 38458
Ion Ratio Lower Upper
43 100
74 24.5 19.0 28.6



#16
Methylene chloride
Concen: 4.246 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

Tgt Ion: 84 Resp: 112029
Ion Ratio Lower Upper
84 100
86 62.2 43.9 81.5
49 120.5 86.1 159.9

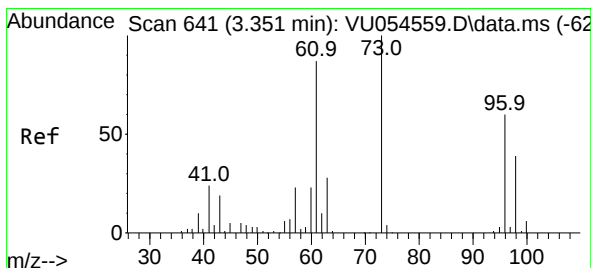
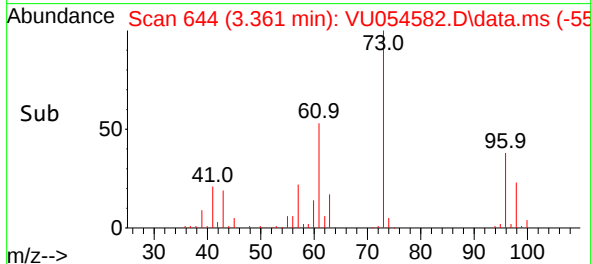
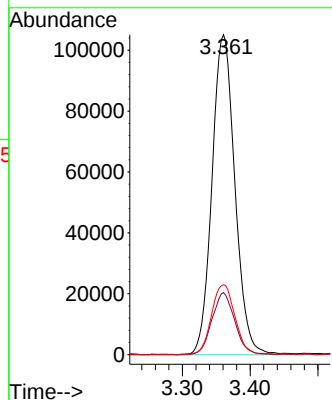
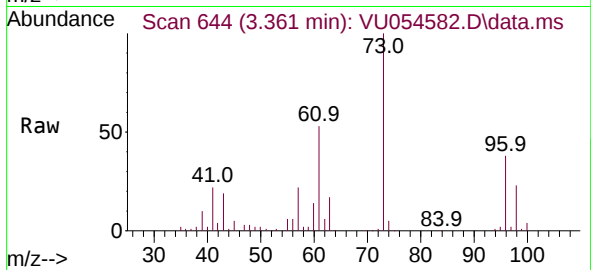




#17
Methyl tert-butyl Ether
Concen: 5.325 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

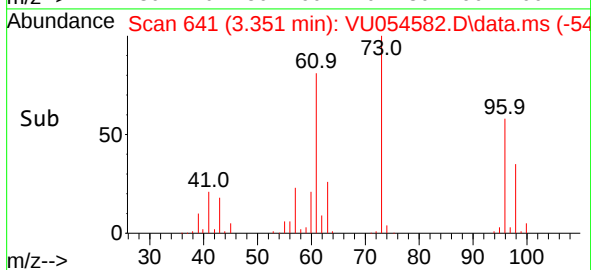
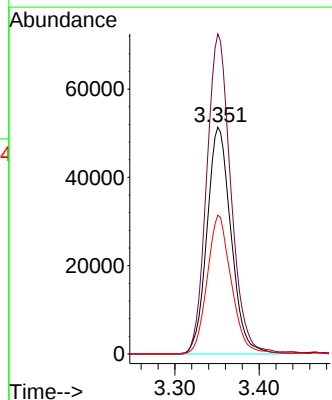
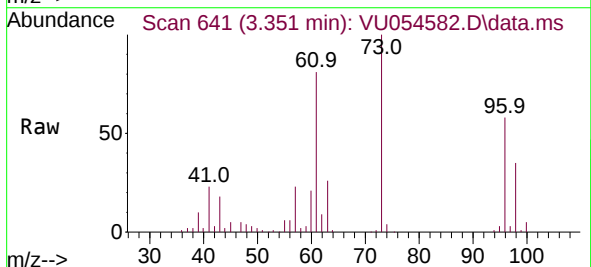
Instrument :
MSVOA_U
ClientSampleId :
VSTD005188

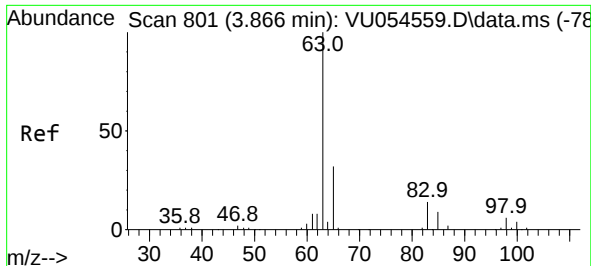
Tgt Ion: 73 Resp: 246623
Ion Ratio Lower Upper
73 100
43 19.5 15.7 23.5
57 22.4 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 5.265 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

Tgt Ion: 96 Resp: 102001
Ion Ratio Lower Upper
96 100
61 141.2 104.6 194.2
98 61.2 45.4 84.4





#19

1,1-Dichloroethane

Concen: 5.231 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU054582.D

Acq: 16 Jun 2023 19:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD005188

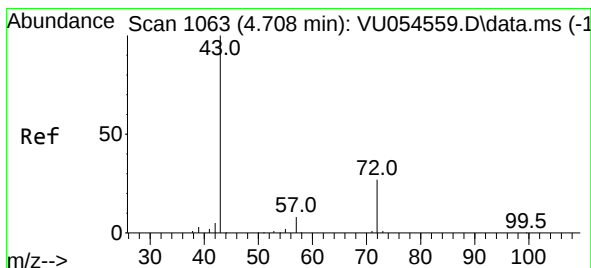
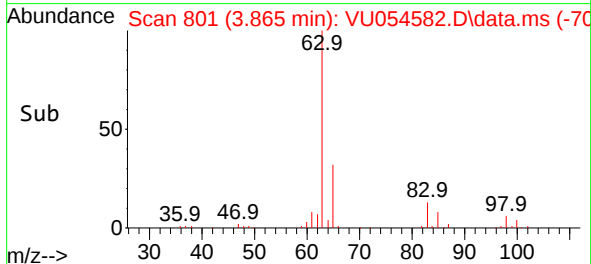
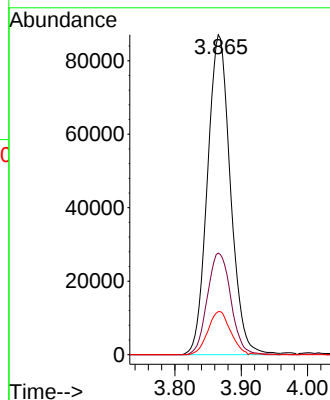
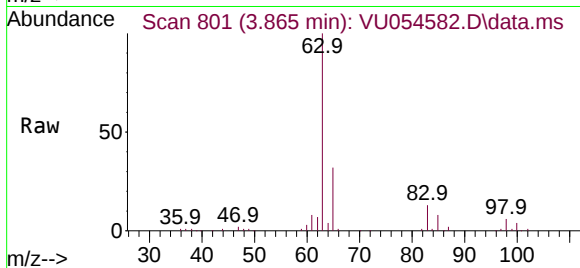
Tgt Ion: 63 Resp: 209717

Ion Ratio Lower Upper

63 100

65 31.8 22.2 41.2

83 13.5 9.0 16.6



#21

2-Butanone

Concen: 47.614 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VU054582.D

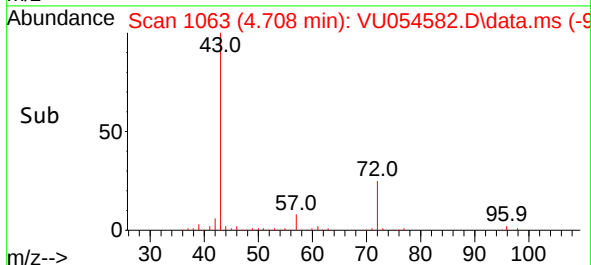
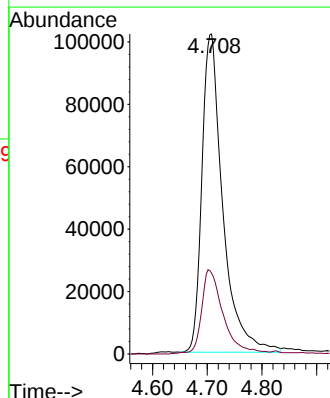
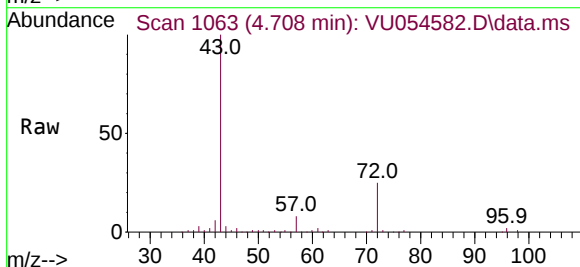
Acq: 16 Jun 2023 19:00

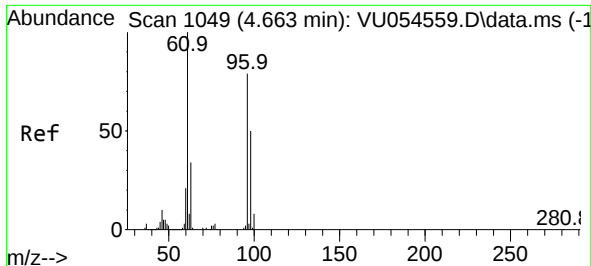
Tgt Ion: 43 Resp: 269718

Ion Ratio Lower Upper

43 100

72 27.5 13.4 40.1

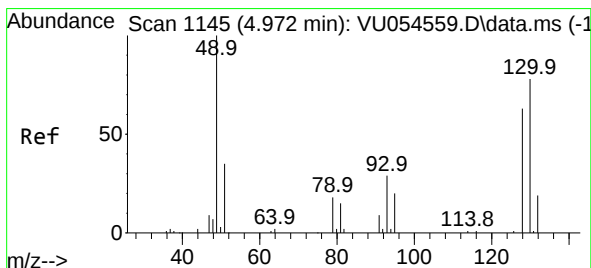
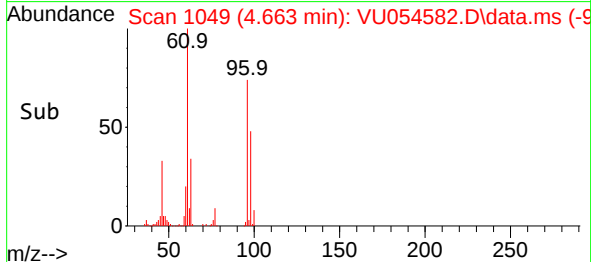
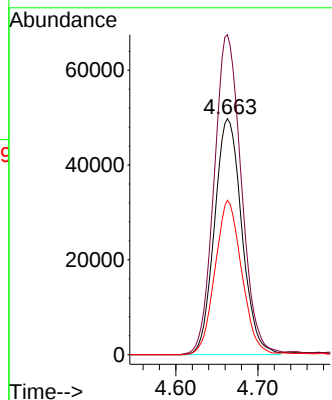
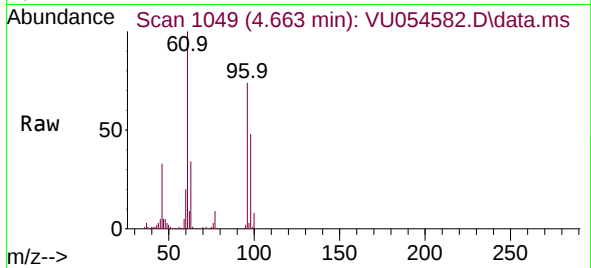




#22
cis-1,2-Dichloroethene
Concen: 5.238 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

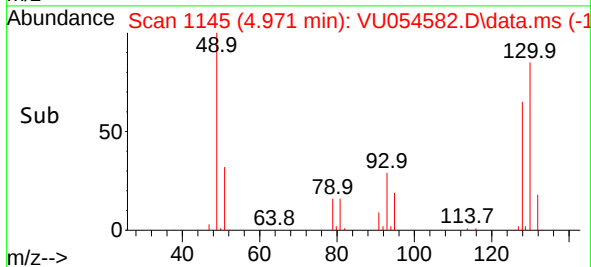
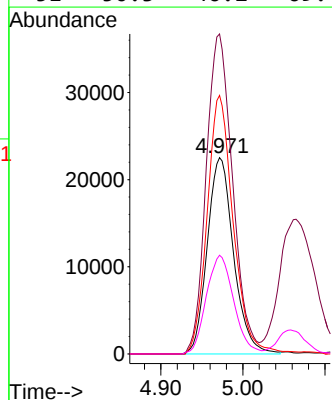
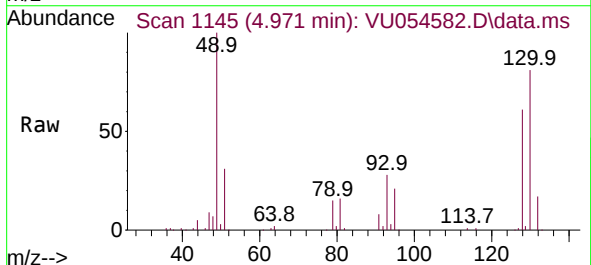
Instrument :
MSVOA_U
ClientSampleId :
VSTD005188

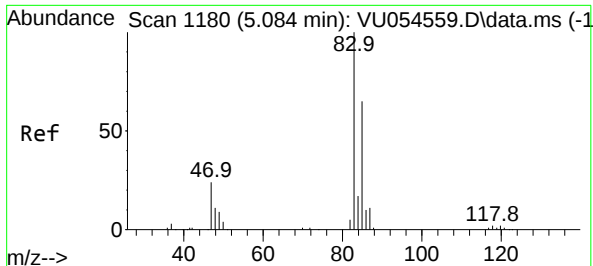
Tgt Ion: 96 Resp: 115572
Ion Ratio Lower Upper
96 100
61 135.6 96.5 179.1
98 65.4 44.9 83.3



#23
Bromochloromethane
Concen: 5.476 ug/L
RT: 4.971 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

Tgt Ion:128 Resp: 50273
Ion Ratio Lower Upper
128 100
49 163.0 132.1 245.3
130 131.7 91.5 169.9
51 50.3 46.2 69.4





#25

Chloroform

Concen: 5.422 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU054582.D

Acq: 16 Jun 2023 19:00

Instrument :

MSVOA_U

ClientSampleId :

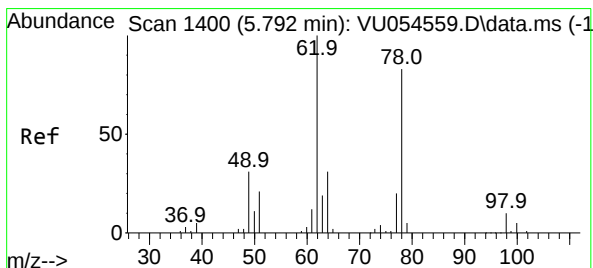
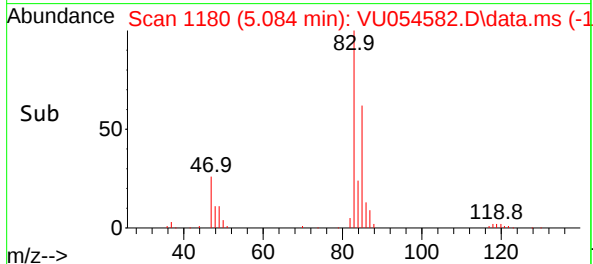
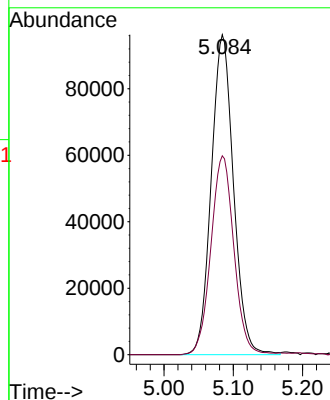
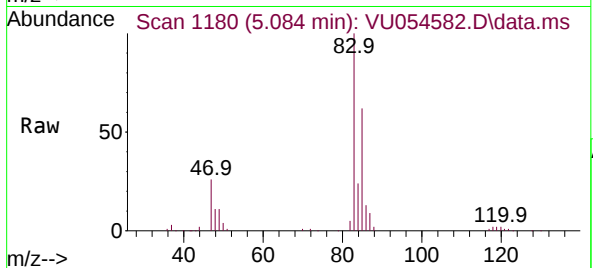
VSTD005188

Tgt Ion: 83 Resp: 214323

Ion Ratio Lower Upper

83 100

85 62.1 44.7 82.9



#27

1,2-Dichloroethane

Concen: 5.337 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. -0.000 min

Lab File: VU054582.D

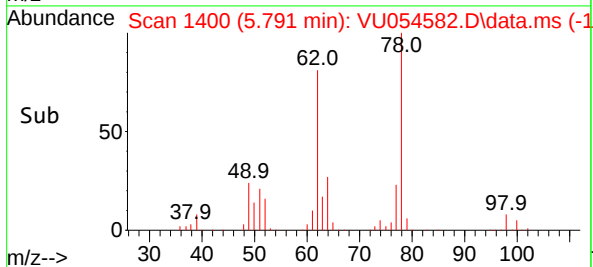
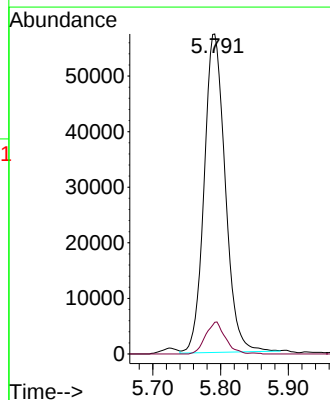
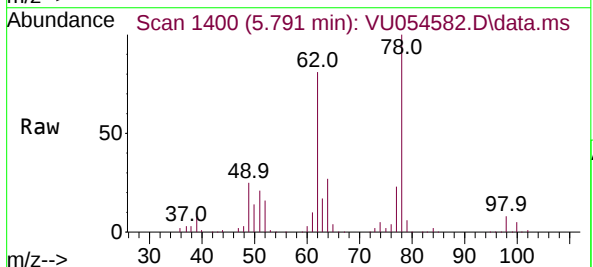
Acq: 16 Jun 2023 19:00

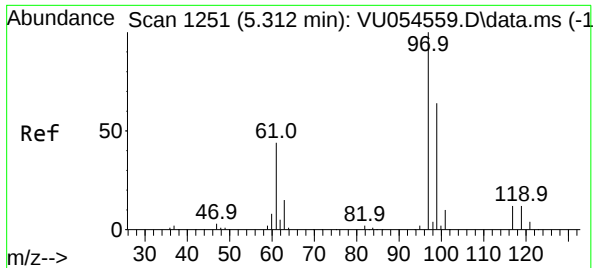
Tgt Ion: 62 Resp: 123664

Ion Ratio Lower Upper

62 100

98 9.9 7.8 11.6



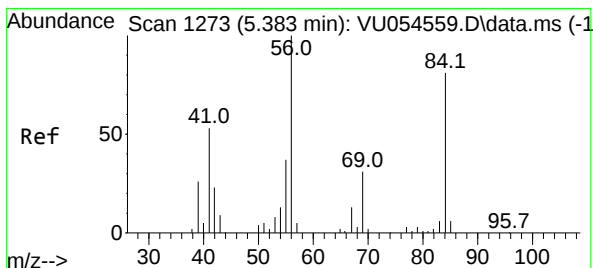
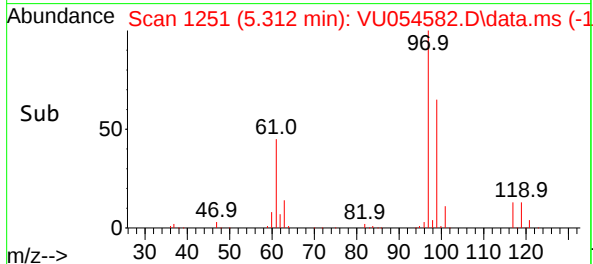
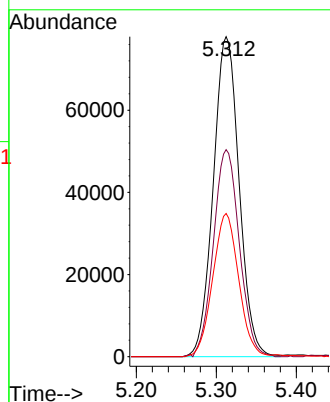
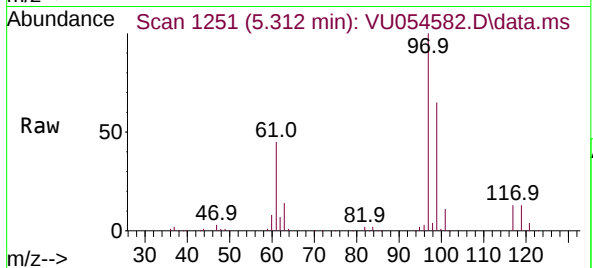


#29
1,1,1-Trichloroethane
Concen: 5.268 ug/L
RT: 5.312 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD005188

Tgt Ion: 97 Resp: 174851

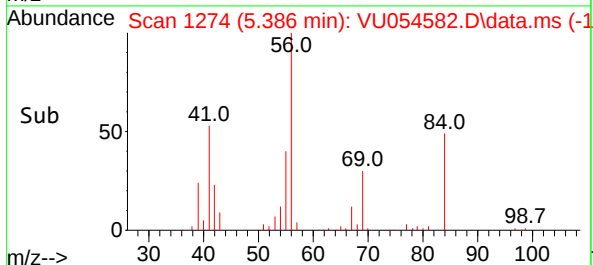
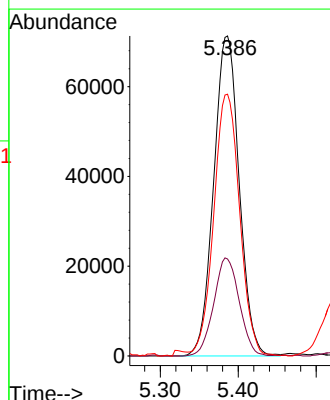
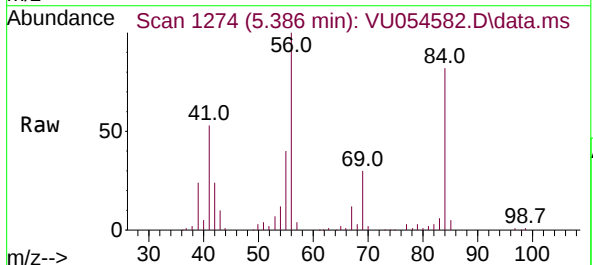
Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.8	76.2
61	44.8	36.1	54.1

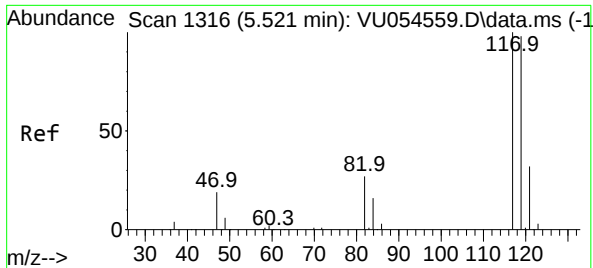


#30
Cyclohexane
Concen: 4.489 ug/L
RT: 5.386 min Scan# 1274
Delta R.T. 0.003 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

Tgt Ion: 56 Resp: 162276

Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.9	35.9
84	83.1	63.0	94.6

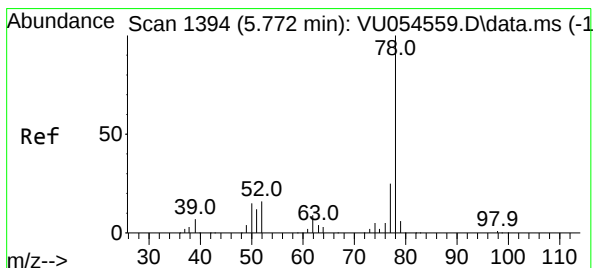
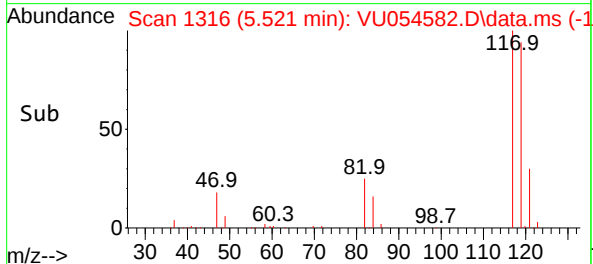
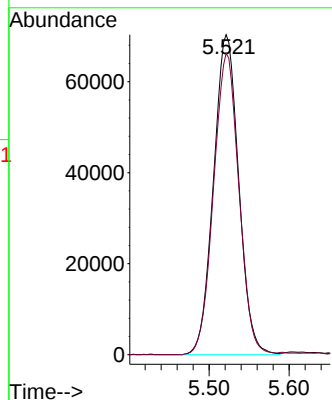
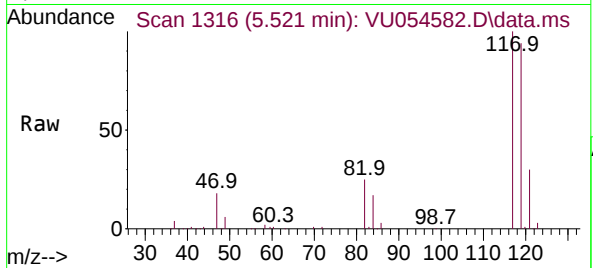




#31
Carbon tetrachloride
Concen: 5.370 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

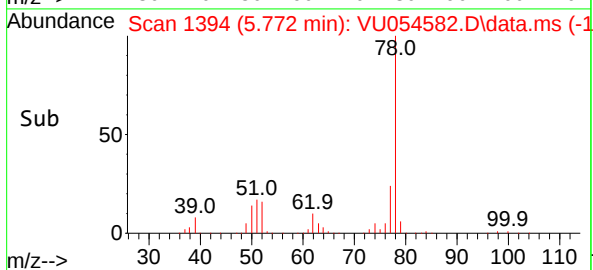
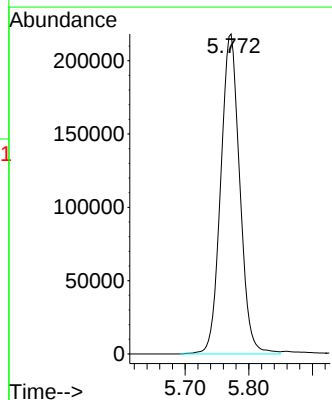
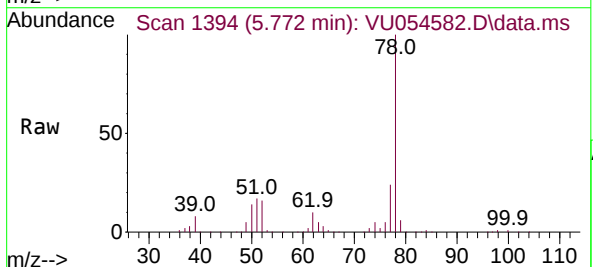
Instrument :
MSVOA_U
ClientSampleId :
VSTD005188

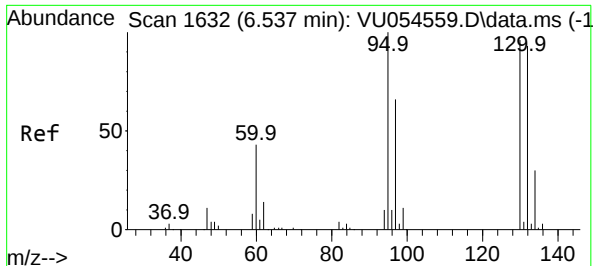
Tgt Ion:117 Resp: 153578
Ion Ratio Lower Upper
117 100
119 94.7 76.8 115.2



#33
Benzene
Concen: 5.162 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

Tgt Ion: 78 Resp: 454036

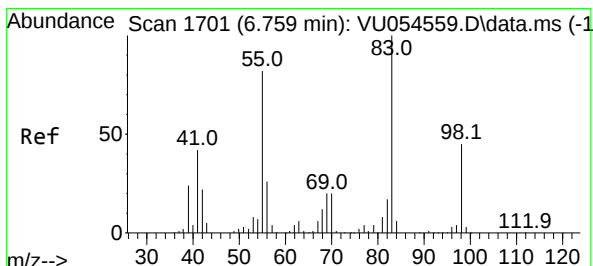
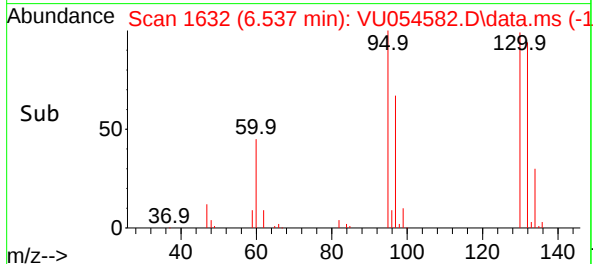
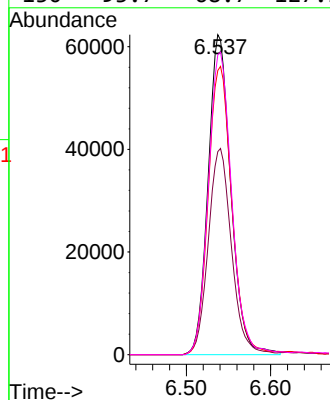
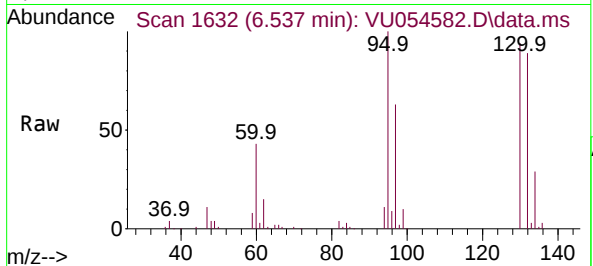




#34
Trichloroethene
Concen: 5.021 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

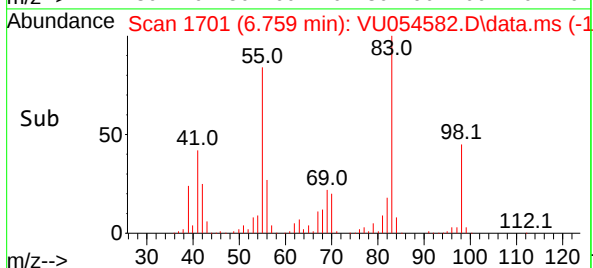
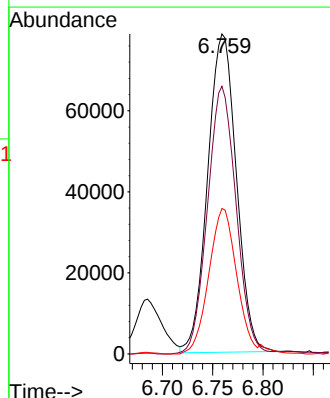
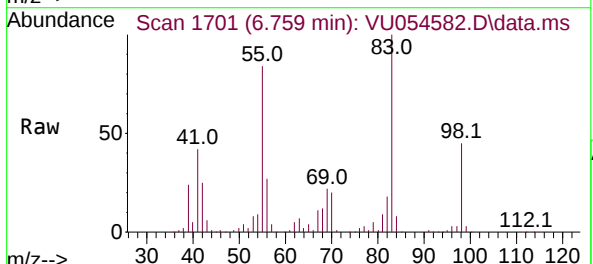
Instrument :
MSVOA_U
ClientSampleId :
VSTD005188

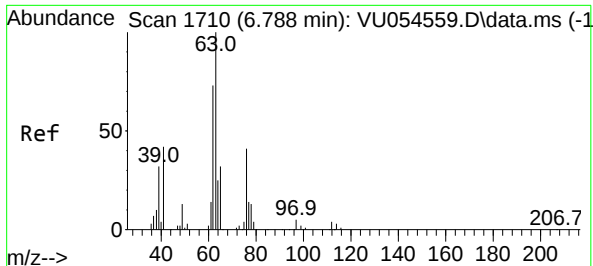
Tgt Ion: 95 Resp: 116784
Ion Ratio Lower Upper
95 100
97 63.4 46.8 87.0
132 88.8 68.4 127.0
130 93.7 68.7 127.5



#35
Methylcyclohexane
Concen: 4.442 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

Tgt Ion: 83 Resp: 156179
Ion Ratio Lower Upper
83 100
55 84.0 67.1 100.7
98 45.3 35.1 52.7

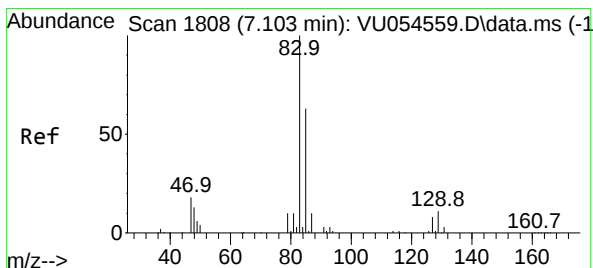
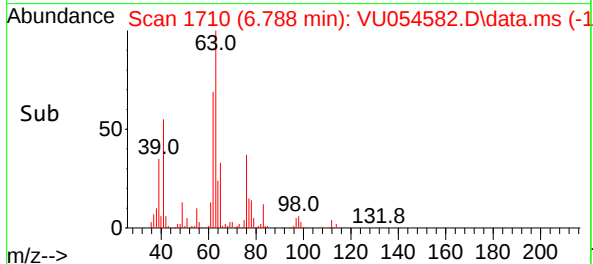
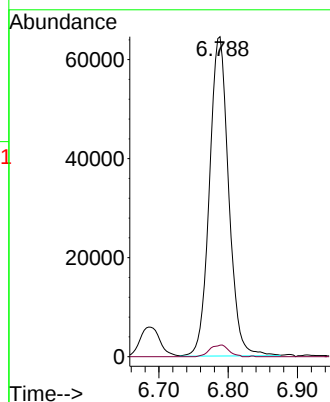
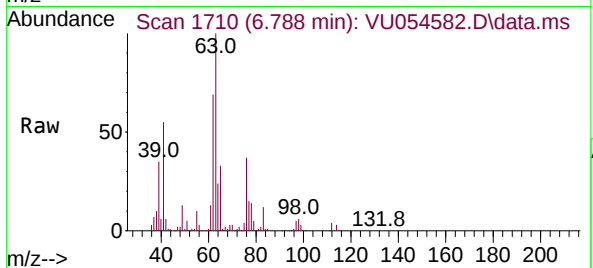




#37
1,2-Dichloropropane
Concen: 5.220 ug/L
RT: 6.788 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

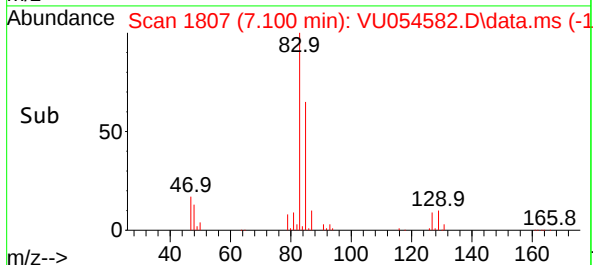
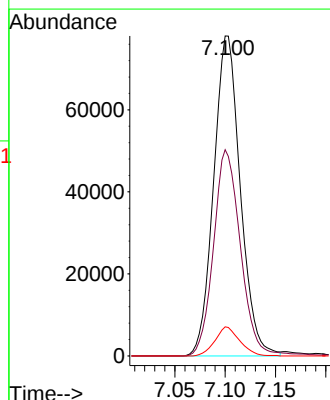
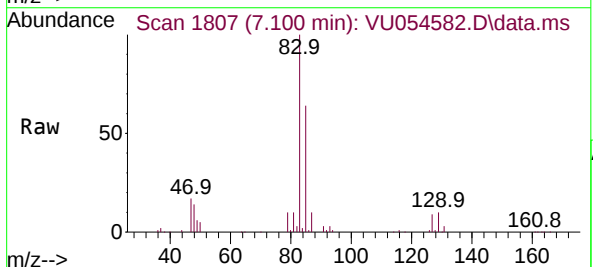
Instrument :
MSVOA_U
ClientSampleId :
VSTD005188

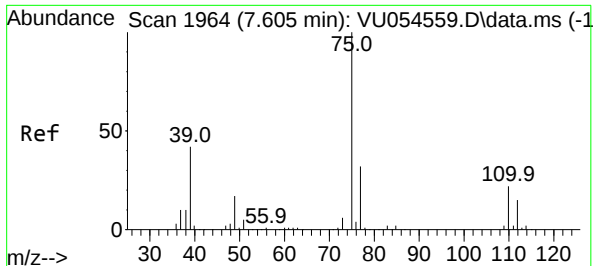
Tgt Ion: 63 Resp: 124144
Ion Ratio Lower Upper
63 100
112 3.6 3.0 4.6



#38
Bromodichloromethane
Concen: 5.343 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.003 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

Tgt Ion: 83 Resp: 143857
Ion Ratio Lower Upper
83 100
85 64.4 44.1 81.9
127 9.1 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.164 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VU054582.D

Acq: 16 Jun 2023 19:00

Instrument :

MSVOA_U

ClientSampleId :

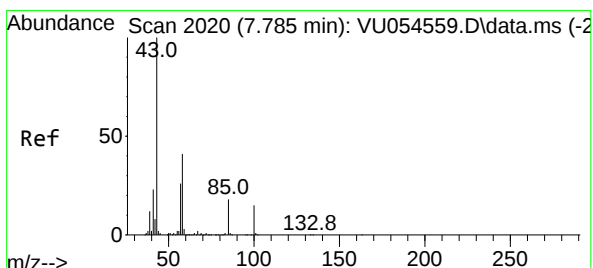
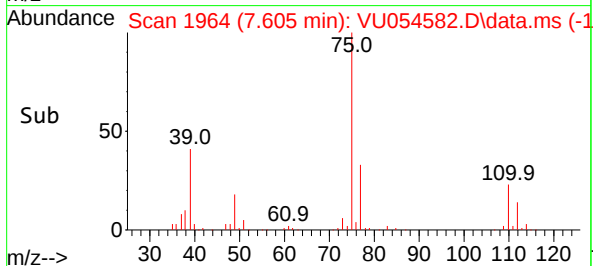
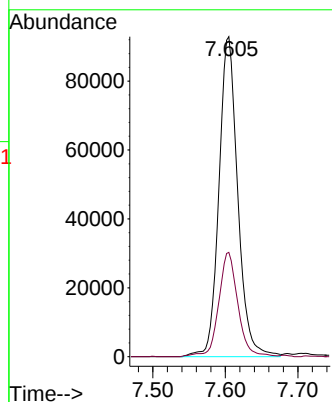
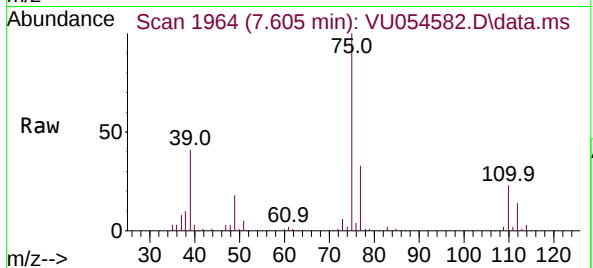
VSTD005188

Tgt Ion: 75 Resp: 167677

Ion Ratio Lower Upper

75 100

77 32.6 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 51.746 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU054582.D

Acq: 16 Jun 2023 19:00

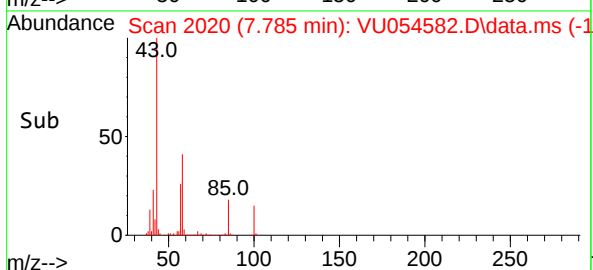
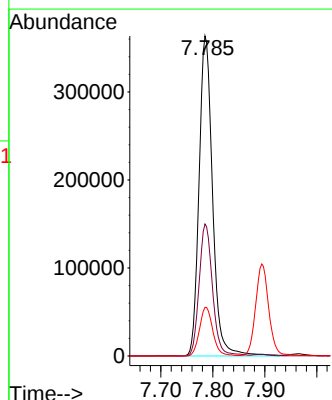
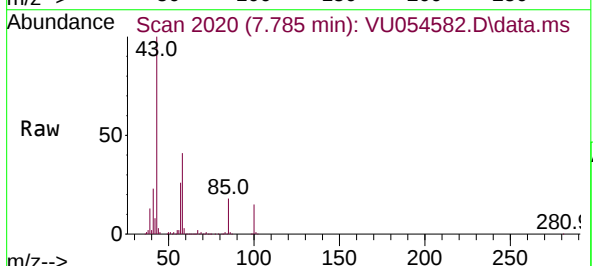
Tgt Ion: 43 Resp: 656782

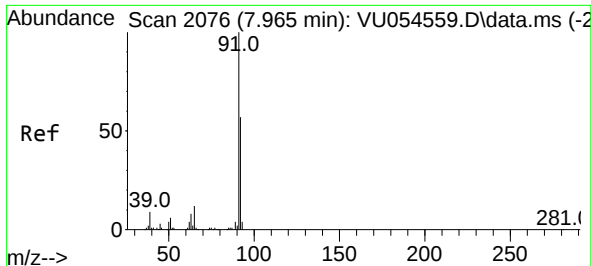
Ion Ratio Lower Upper

43 100

58 40.9 32.4 48.6

100 15.0 11.4 17.2





#42

Toluene

Concen: 5.328 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU054582.D

Acq: 16 Jun 2023 19:00

Instrument :

MSVOA_U

ClientSampleId :

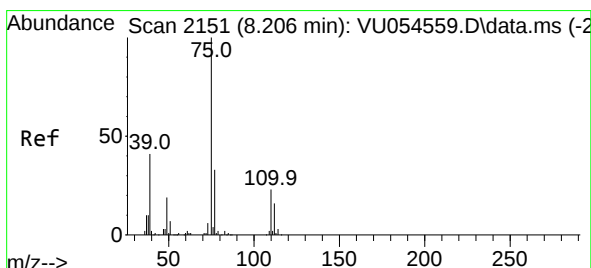
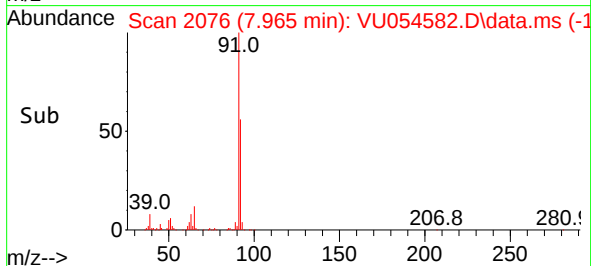
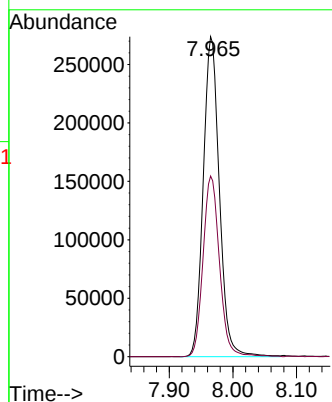
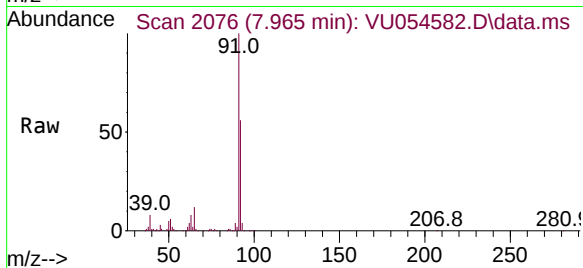
VSTD005188

Tgt Ion: 91 Resp: 482612

Ion Ratio Lower Upper

91 100

92 56.5 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.255 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU054582.D

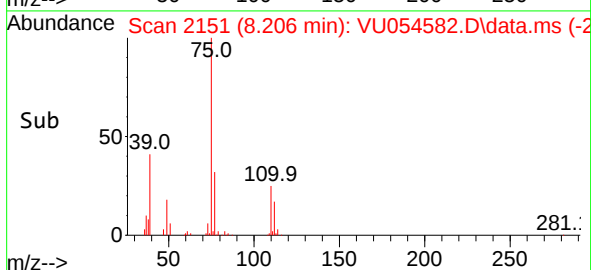
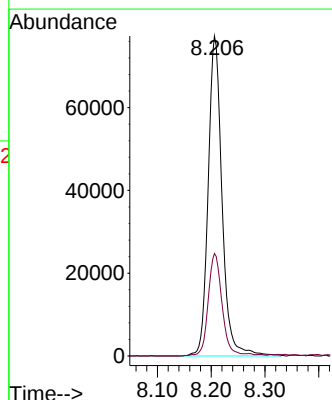
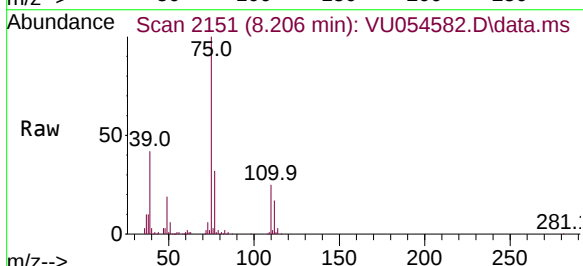
Acq: 16 Jun 2023 19:00

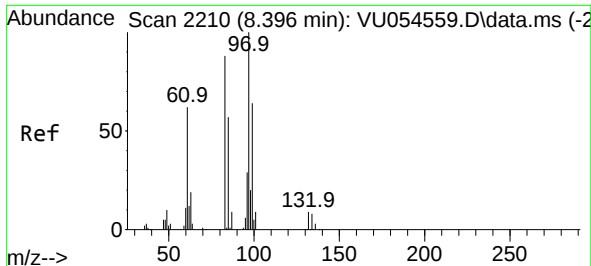
Tgt Ion: 75 Resp: 138492

Ion Ratio Lower Upper

75 100

77 32.0 21.3 39.6

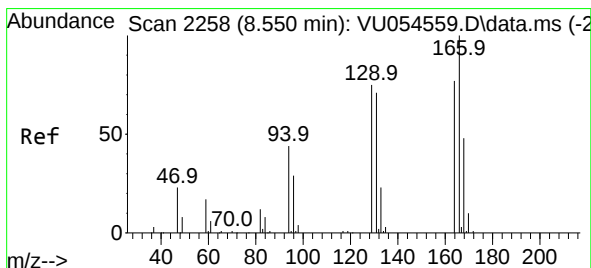
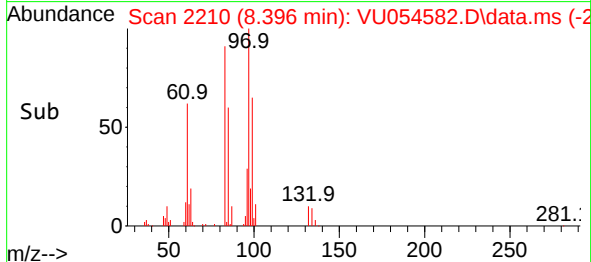
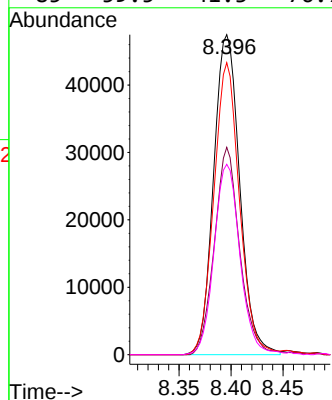
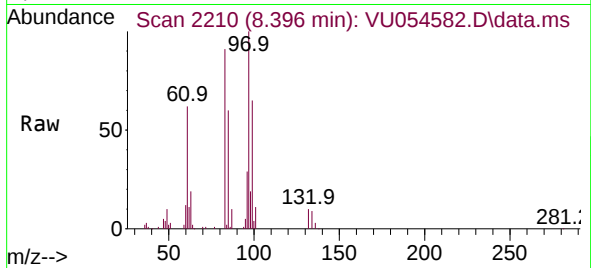




#45
1,1,2-Trichloroethane
Concen: 5.487 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

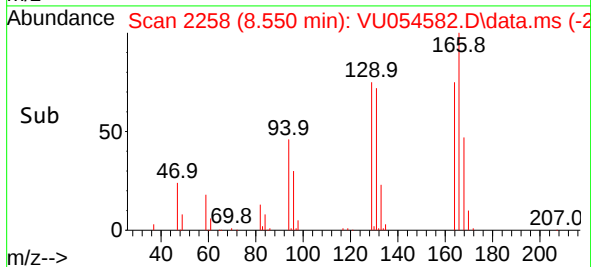
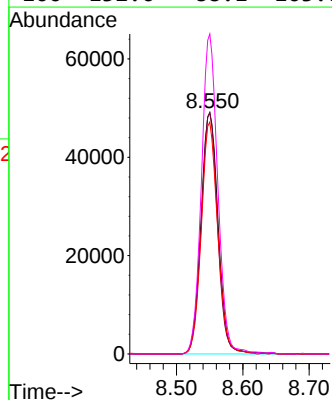
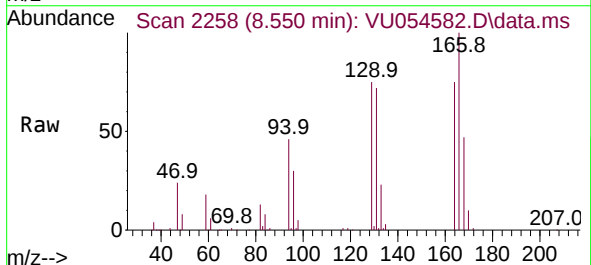
Instrument :
MSVOA_U
ClientSampleId :
VSTD005188

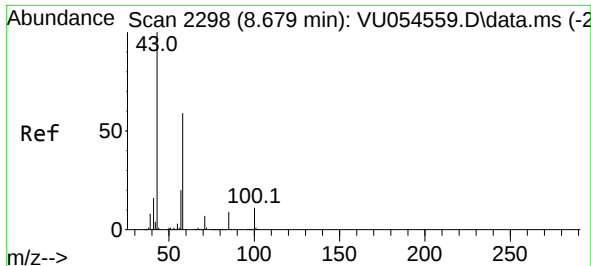
Tgt Ion: 97	Resp: 83026
Ion Ratio	Lower Upper
97 100	
99 64.8	43.0 80.0
83 91.3	63.8 118.6
85 59.5	41.3 76.7



#47
Tetrachloroethene
Concen: 4.954 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

Tgt	Ion:164	Resp:	88210
Ion	Ratio	Lower	Upper
164	100		
129	100.1	67.7	125.7
131	96.1	64.6	120.0
166	132.6	88.1	163.7

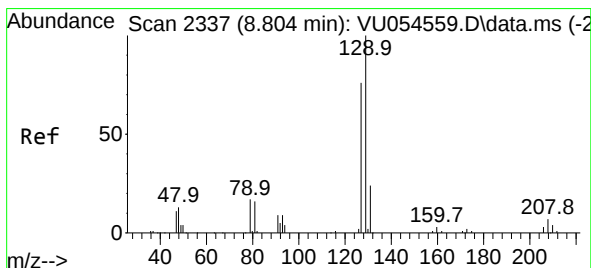
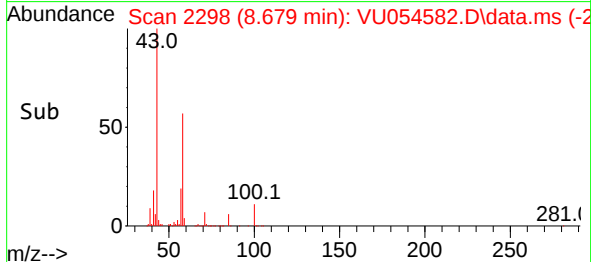
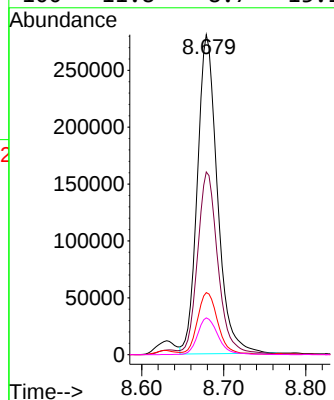
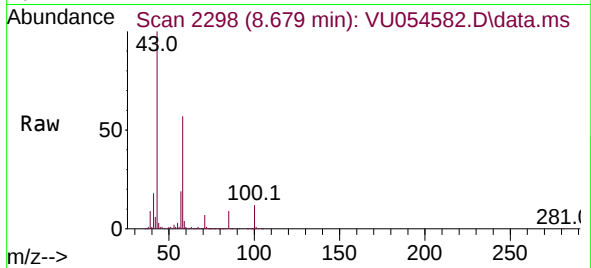




#48
2-Hexanone
Concen: 50.379 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

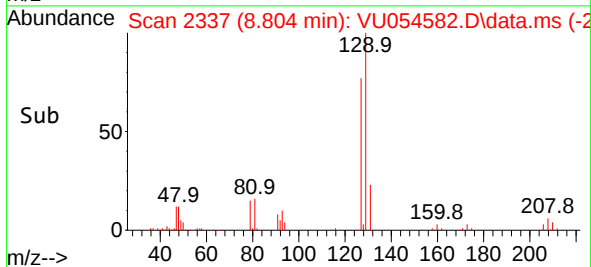
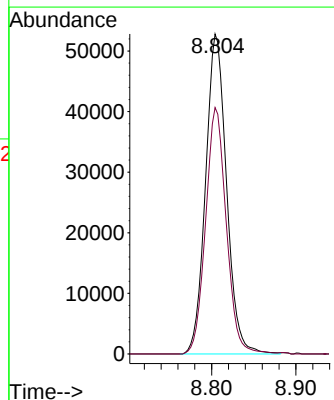
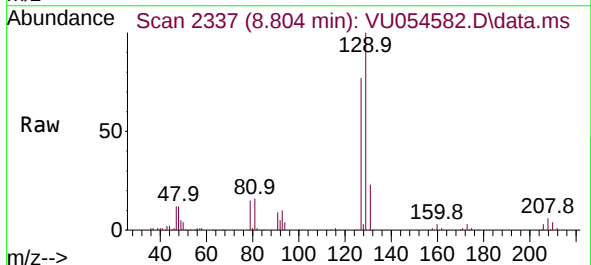
Instrument :
MSVOA_U
ClientSampleId :
VSTD005188

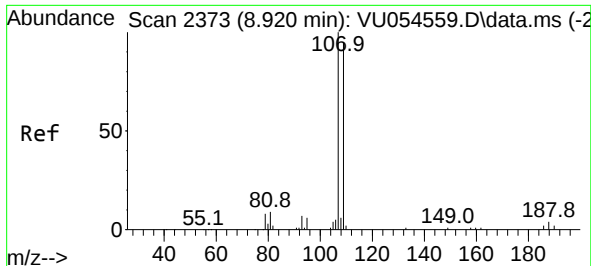
Tgt Ion: 43 Resp: 476446
Ion Ratio Lower Upper
43 100
58 58.0 45.2 67.8
57 19.8 15.8 23.6
100 11.8 8.7 13.1



#49
Dibromochloromethane
Concen: 5.759 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

Tgt Ion: 129 Resp: 91495
Ion Ratio Lower Upper
129 100
127 77.0 53.2 98.8





#50

1,2-Dibromoethane

Concen: 5.499 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054582.D

Acq: 16 Jun 2023 19:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD005188

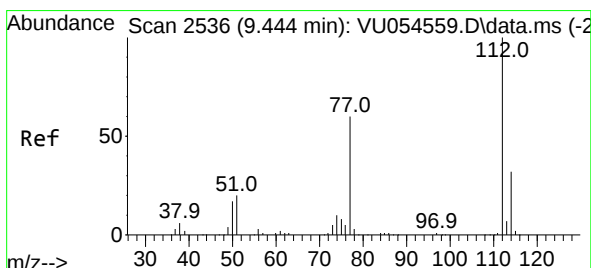
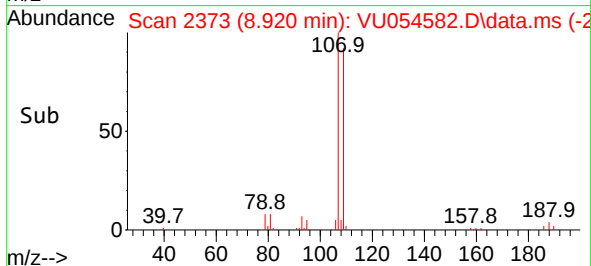
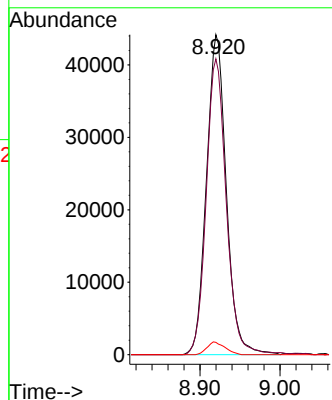
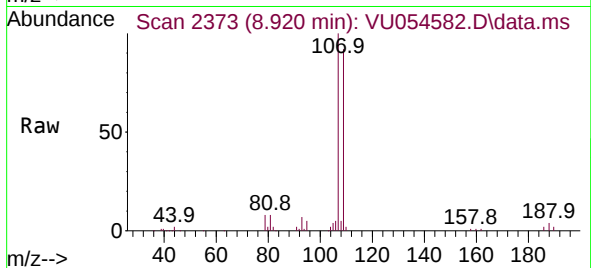
Tgt Ion:107 Resp: 76384

Ion Ratio Lower Upper

107 100

109 92.4 66.6 123.6

188 3.9 3.1 4.7



#51

Chlorobenzene

Concen: 5.290 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU054582.D

Acq: 16 Jun 2023 19:00

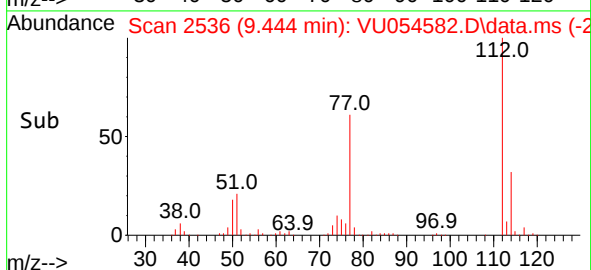
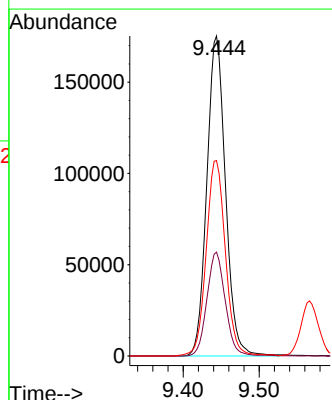
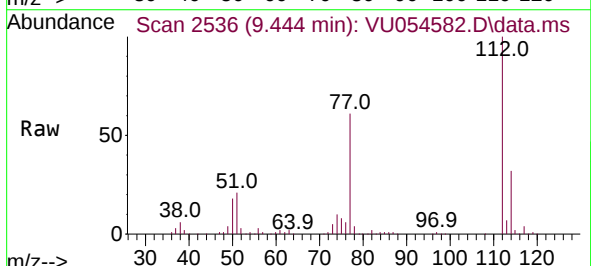
Tgt Ion:112 Resp: 298739

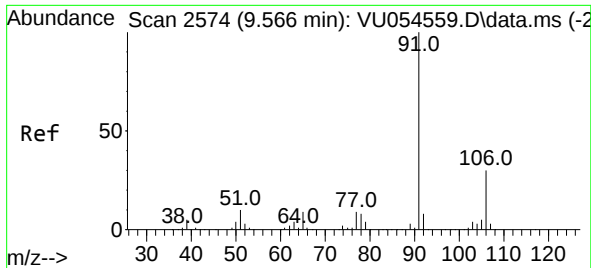
Ion Ratio Lower Upper

112 100

114 32.4 22.7 42.1

77 61.1 49.8 74.8

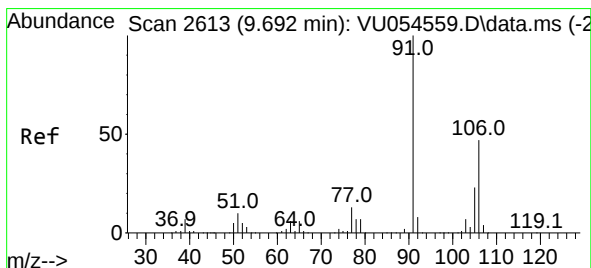
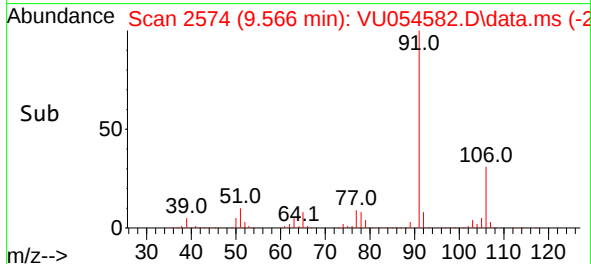
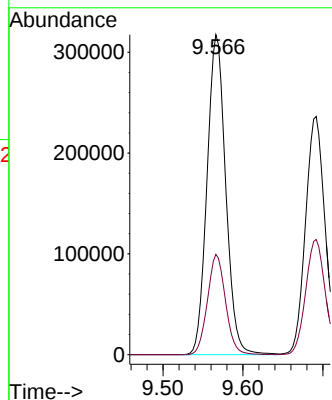
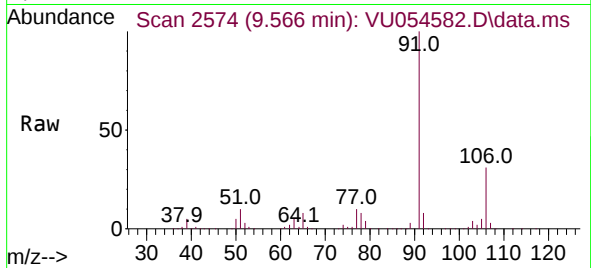




#52
Ethylbenzene
Concen: 5.215 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

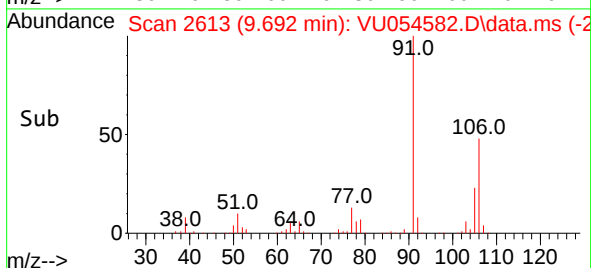
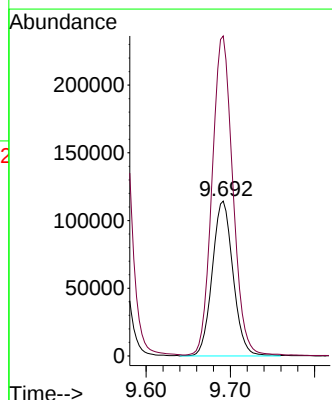
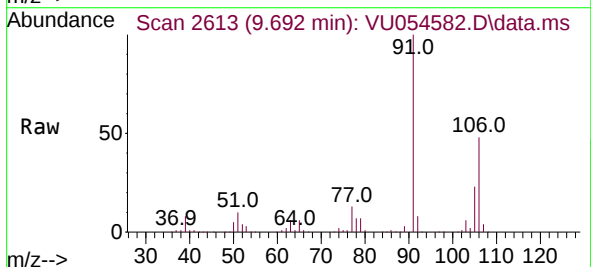
Instrument :
MSVOA_U
ClientSampleId :
VSTD005188

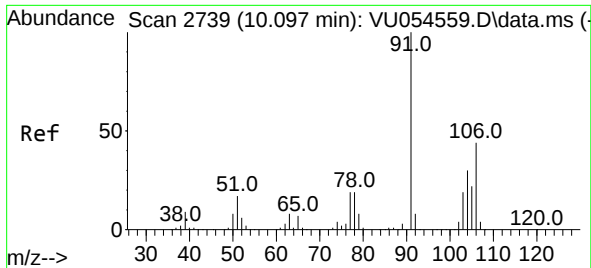
Tgt Ion: 91 Resp: 515955
Ion Ratio Lower Upper
91 100
106 31.3 21.1 39.3



#53
m,p-Xylene
Concen: 5.391 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

Tgt Ion: 106 Resp: 195943
Ion Ratio Lower Upper
106 100
91 206.7 147.0 273.0

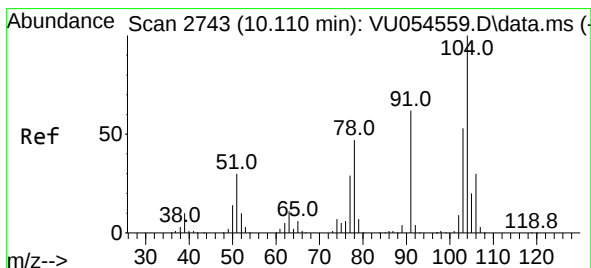
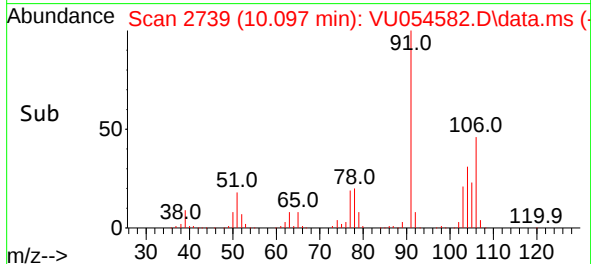
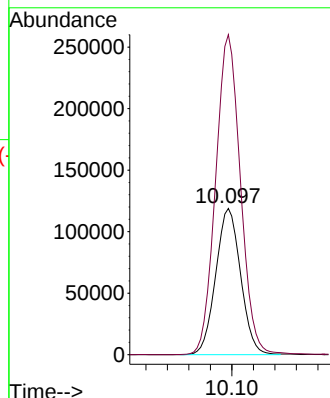
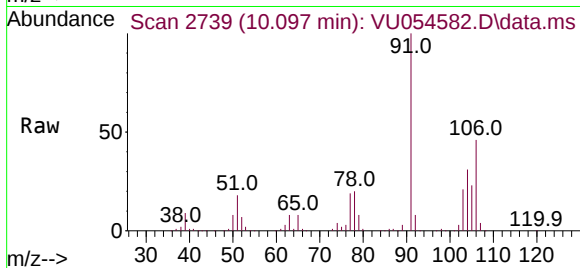




#54
o-Xylene
Concen: 5.432 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

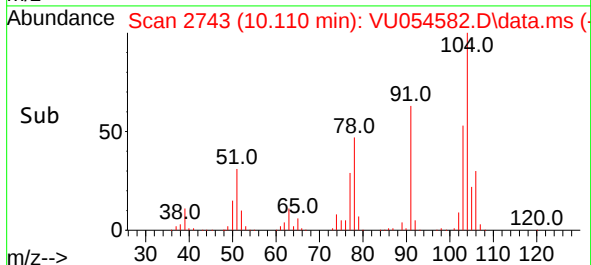
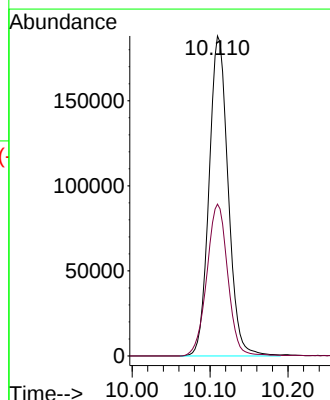
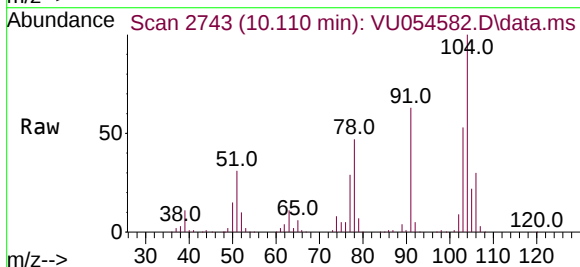
Instrument :
MSVOA_U
ClientSampleId :
VSTD005188

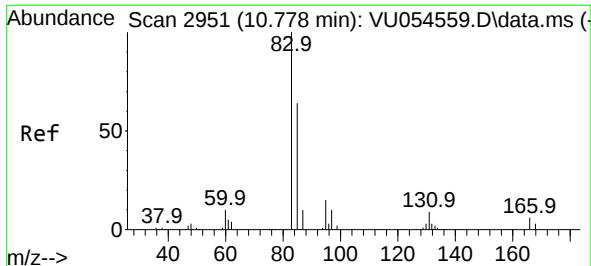
Tgt Ion:106 Resp: 190924
Ion Ratio Lower Upper
106 100
91 218.7 154.5 286.9



#55
Styrene
Concen: 5.427 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

Tgt Ion:104 Resp: 320155
Ion Ratio Lower Upper
104 100
78 47.4 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.468 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VU054582.D

Acq: 16 Jun 2023 19:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD005188

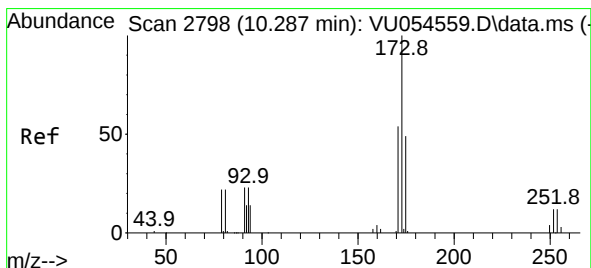
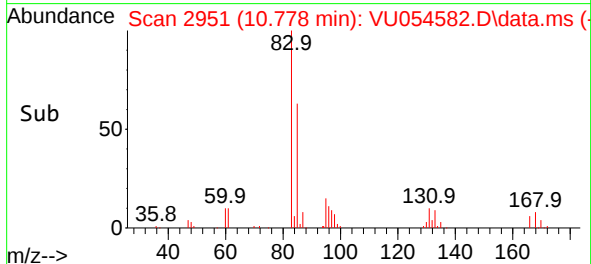
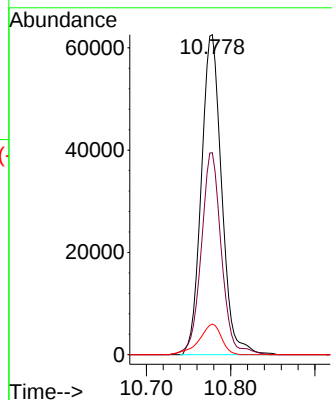
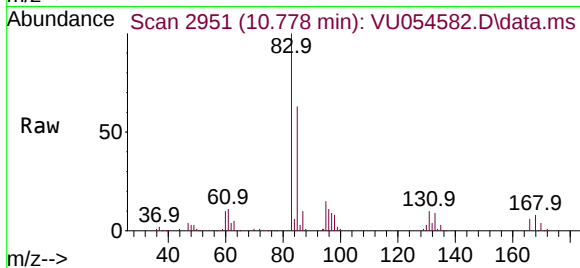
Tgt Ion: 83 Resp: 105091

Ion Ratio Lower Upper

83 100

85 63.1 44.2 82.2

131 9.5 7.0 10.6



#59

Bromoform

Concen: 5.809 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU054582.D

Acq: 16 Jun 2023 19:00

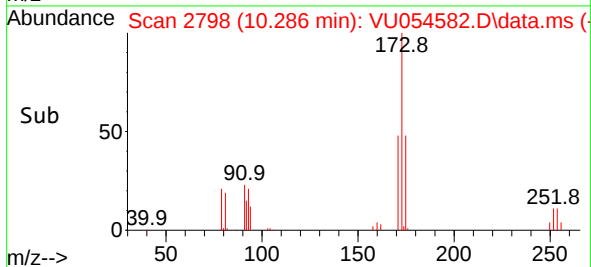
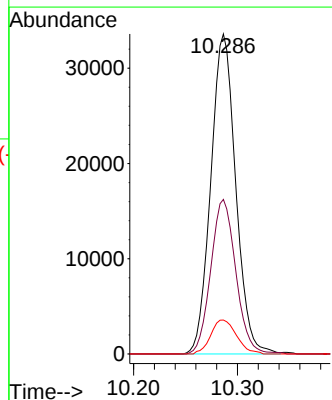
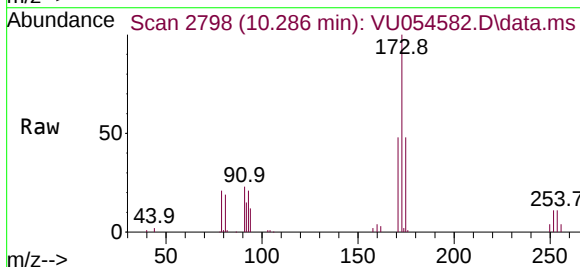
Tgt Ion:173 Resp: 55928

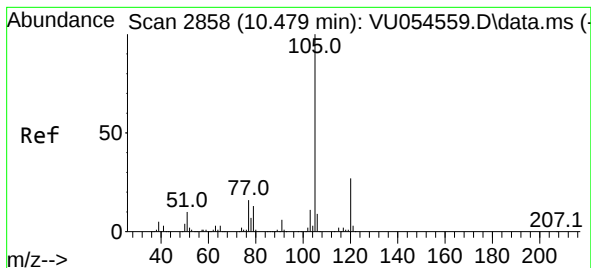
Ion Ratio Lower Upper

173 100

175 48.5 39.4 59.0

254 11.0 8.6 12.8





#60

Isopropylbenzene

Concen: 5.243 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU054582.D

Acq: 16 Jun 2023 19:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD005188

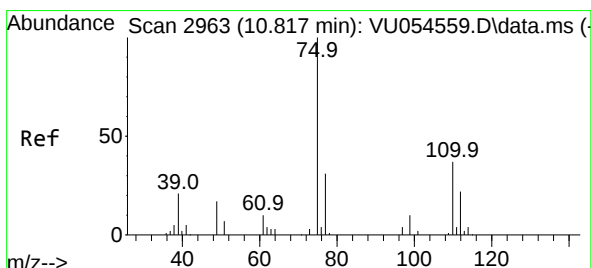
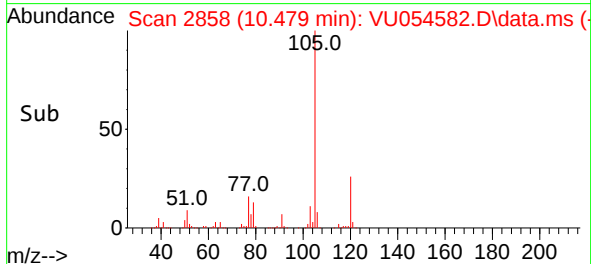
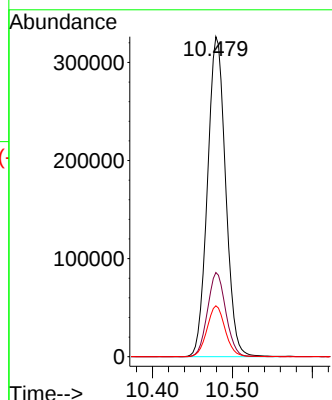
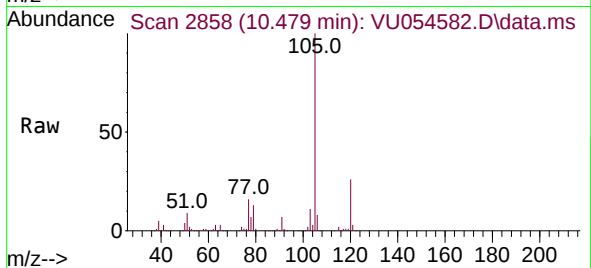
Tgt Ion:105 Resp: 514386

Ion Ratio Lower Upper

105 100

120 26.6 20.9 31.3

77 16.0 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 5.087 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU054582.D

Acq: 16 Jun 2023 19:00

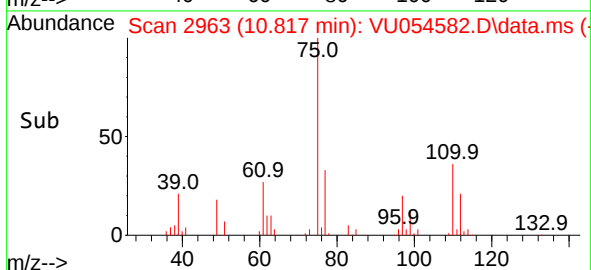
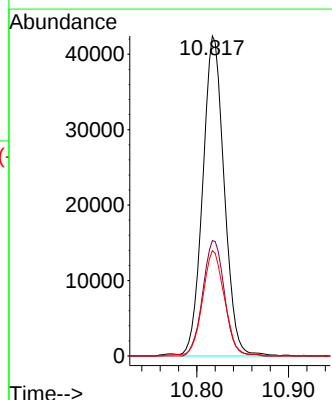
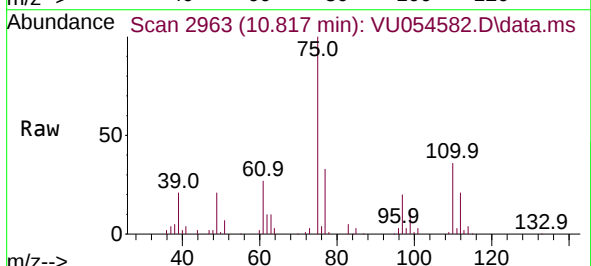
Tgt Ion: 75 Resp: 68937

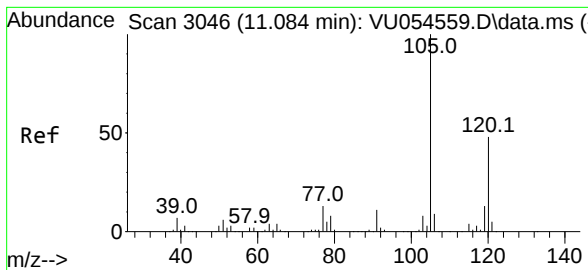
Ion Ratio Lower Upper

75 100

110 36.4 28.0 42.0

77 33.8 25.4 38.2

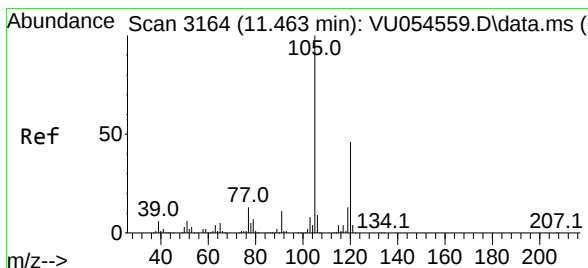
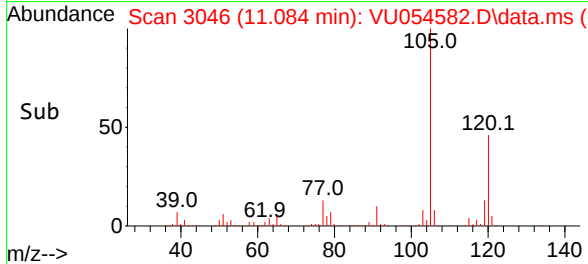
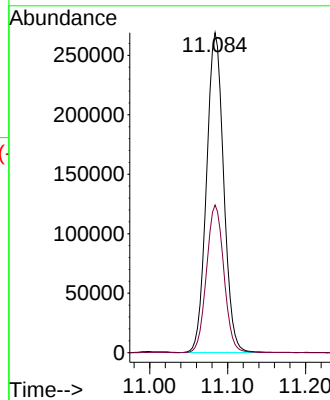
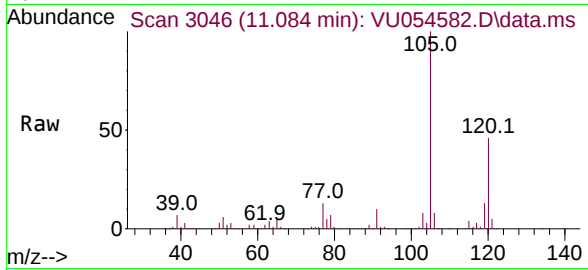




#62
1,3,5-Trimethylbenzene
Concen: 5.128 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

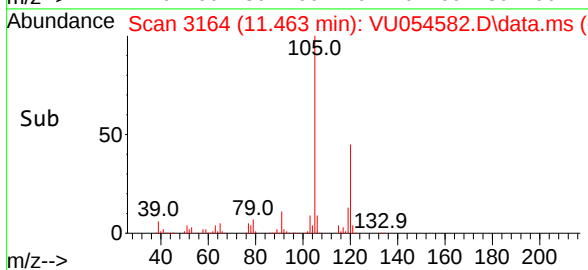
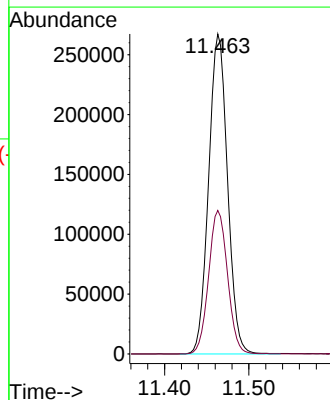
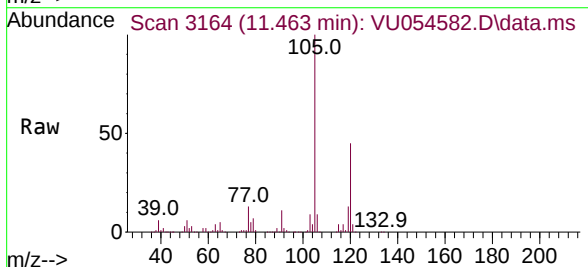
Instrument :
MSVOA_U
ClientSampleId :
VSTD005188

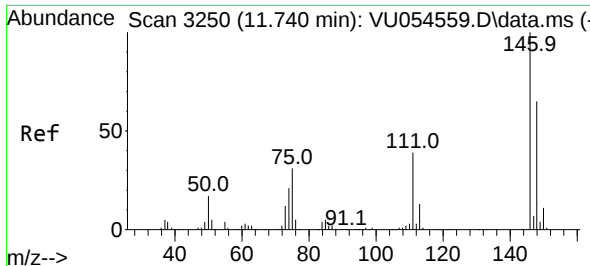
Tgt Ion:105 Resp: 410430
Ion Ratio Lower Upper
105 100
120 46.9 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 5.123 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

Tgt Ion:105 Resp: 416425
Ion Ratio Lower Upper
105 100
120 45.0 35.4 53.0

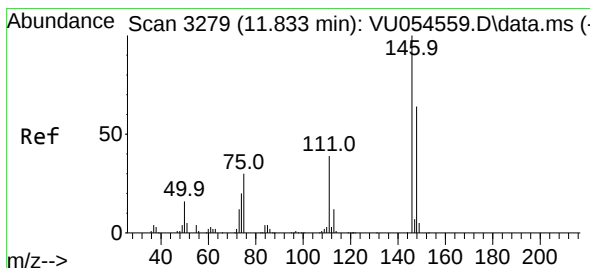
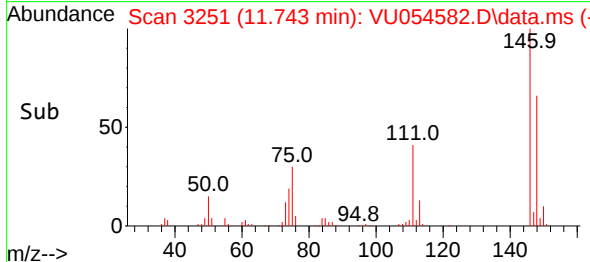
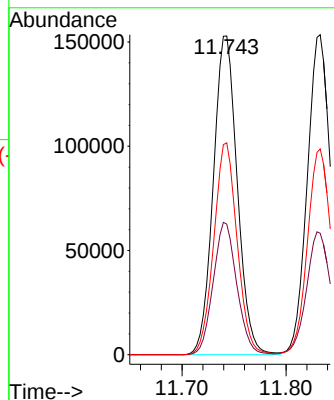
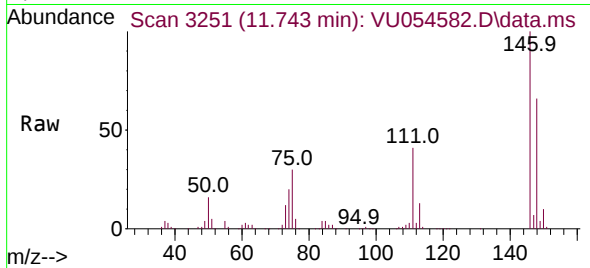




#64
1,3-Dichlorobenzene
Concen: 5.344 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

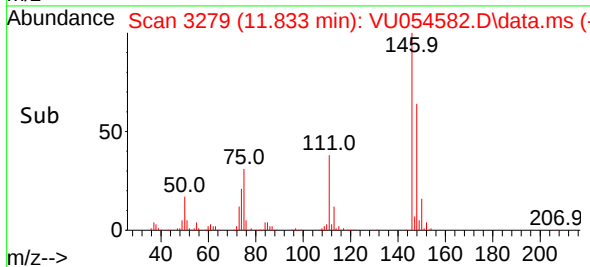
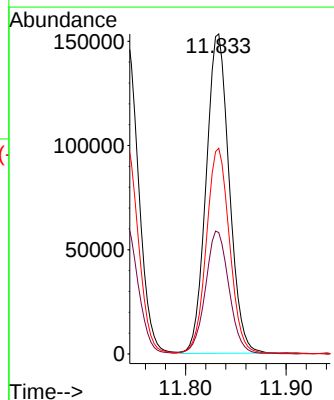
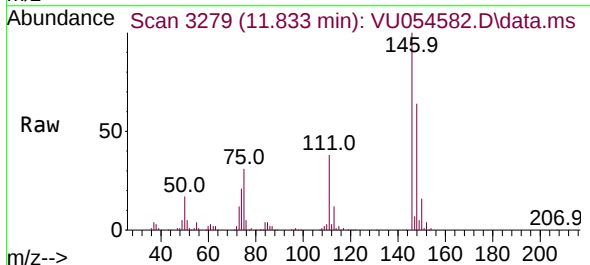
Instrument :
MSVOA_U
ClientSampleId :
VSTD005188

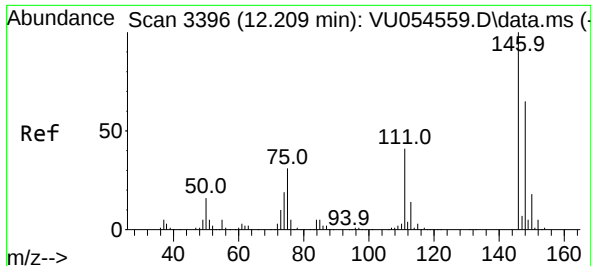
Tgt Ion:146 Resp: 245045
Ion Ratio Lower Upper
146 100
111 41.0 28.9 53.7
148 66.4 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 5.324 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU054582.D
Acq: 16 Jun 2023 19:00

Tgt Ion:146 Resp: 245020
Ion Ratio Lower Upper
146 100
111 38.0 28.0 52.0
148 64.3 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.366 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU054582.D

Acq: 16 Jun 2023 19:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD005188

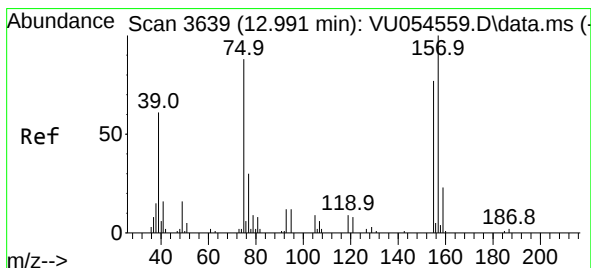
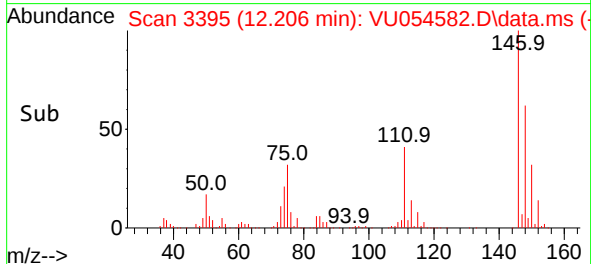
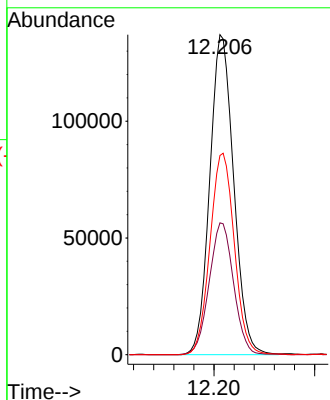
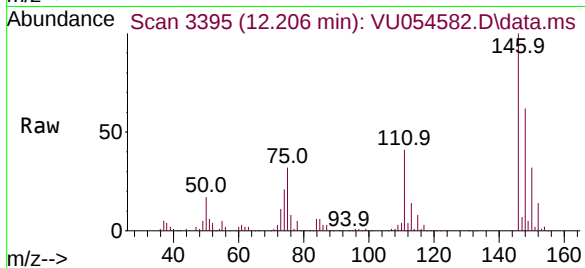
Tgt Ion:146 Resp: 226317

Ion Ratio Lower Upper

146 100

111 41.2 34.5 51.7

148 62.2 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.388 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU054582.D

Acq: 16 Jun 2023 19:00

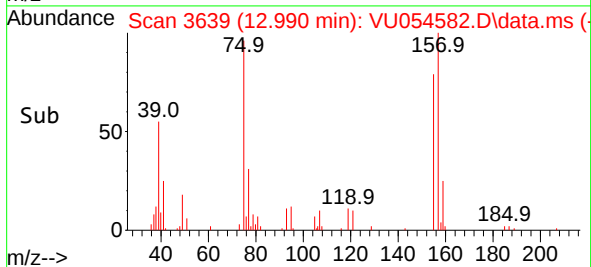
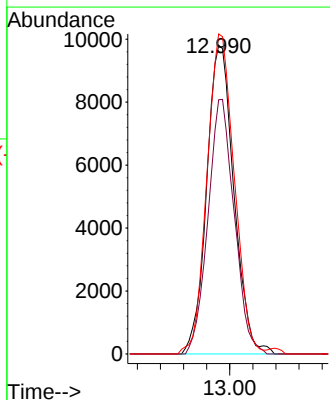
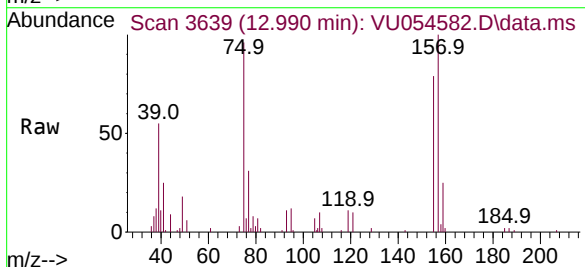
Tgt Ion: 75 Resp: 16046

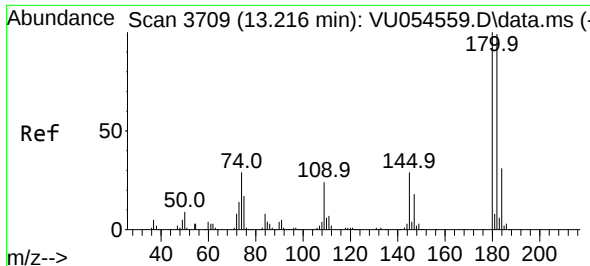
Ion Ratio Lower Upper

75 100

155 82.4 65.7 98.5

157 103.7 84.2 126.2

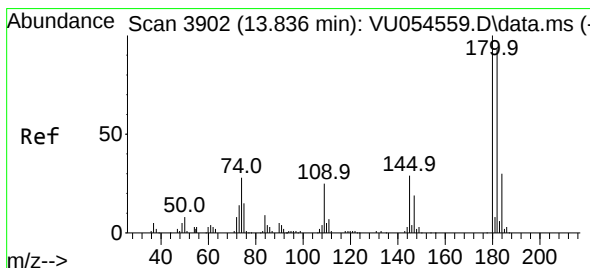
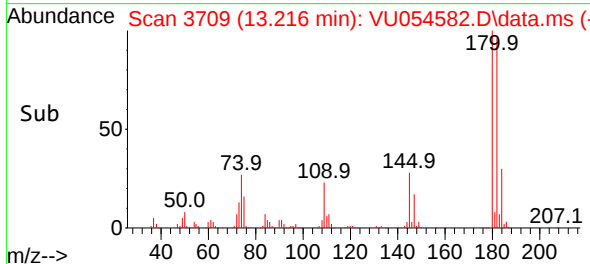
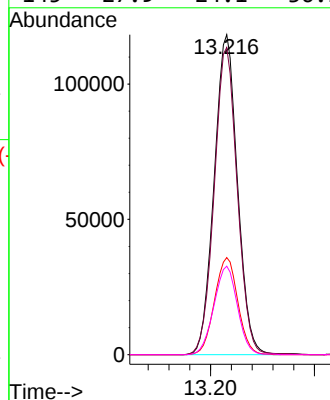
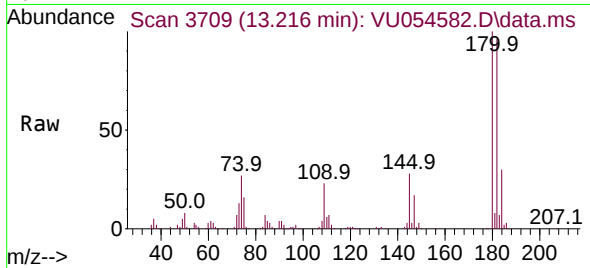




#69
 1,3,5-Trichlorobenzene
 Concen: 5.317 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054582.D
 Acq: 16 Jun 2023 19:00

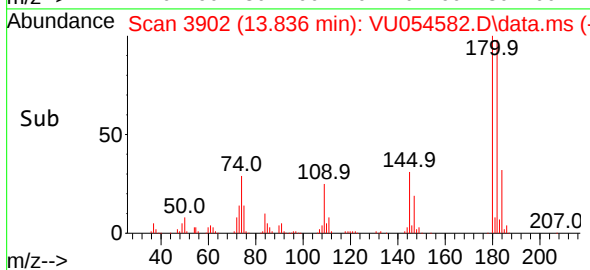
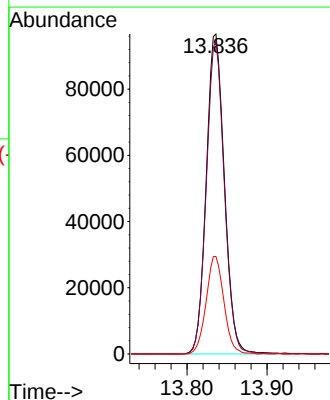
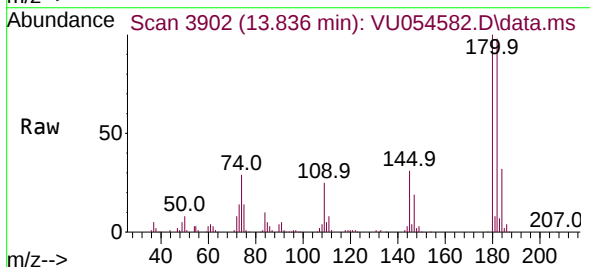
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005188

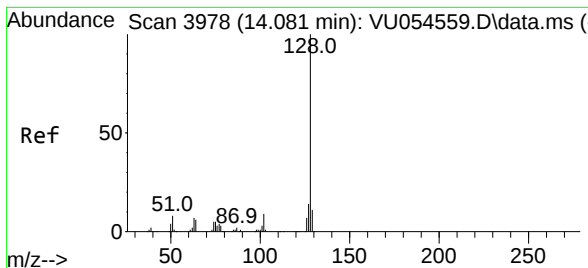
Tgt Ion:180 Resp: 183947
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.0 112.6
 184 30.4 24.1 36.1
 145 27.9 24.1 36.1



#70
 1,2,4-trichlorobenzene
 Concen: 5.351 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU054582.D
 Acq: 16 Jun 2023 19:00

Tgt Ion:180 Resp: 153081
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.6 114.8
 145 29.8 24.0 36.0





#71

Naphthalene

Concen: 5.275 ug/L

RT: 14.080 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU054582.D

Acq: 16 Jun 2023 19:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD005188

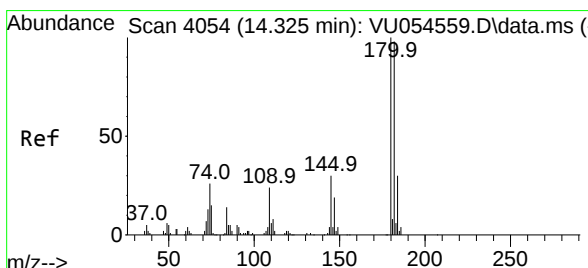
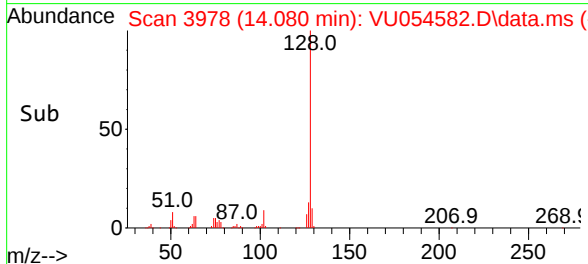
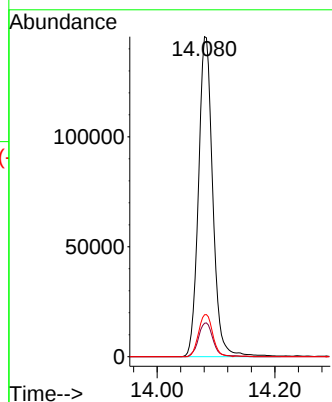
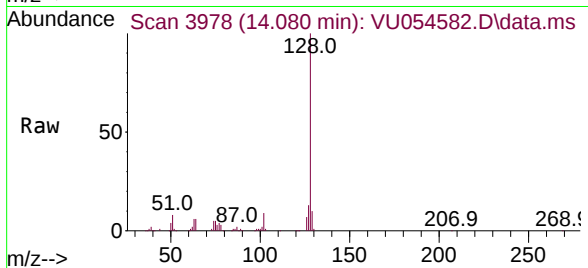
Tgt Ion:128 Resp: 245378

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

127 13.1 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 5.553 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU054582.D

Acq: 16 Jun 2023 19:00

Tgt Ion:180 Resp: 136477

Ion Ratio Lower Upper

180 100

182 96.8 75.4 113.2

145 31.3 26.0 39.0

