

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051823\
 Data File : VU054208.D
 Acq On : 19 May 2023 09:22
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005168

Quant Time: May 19 09:35:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 19 04:28:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	184942	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	174671	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	95202	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	47539	4.768	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.400%
7) Chloroethane-d5	1.912	69	35850	4.806	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.200%
11) 1,1-Dichloroethene-d2	2.565	65	20313	4.511	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.200%
20) 2-Butanone-d5	4.629	46	87671	49.305	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.620%
24) Chloroform-d	5.057	84	87683	4.677	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.697	65	39943	4.631	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	5.722	84	169959	4.778	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
36) 1,2-Dichloropropane-d6	6.687	67	51083	4.969	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.400%
41) Toluene-d8	7.893	98	160568	4.780	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.600%
43) trans-1,3-Dichloroprop...	8.176	79	19215	4.627	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.600%
46) 2-Hexanone-d5	8.629	63	68172	55.136	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.280%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	37017	5.023	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.400%
66) 1,2-Dichlorobenzene-d4	12.188	152	57394	4.940	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	66131	4.730	ug/L	100
3) Chloromethane	1.517	50	64630	4.986	ug/L	96
5) Vinyl chloride	1.604	62	70473	5.118	ug/L	93
6) Bromomethane	1.858	94	39280	4.702	ug/L	94
8) Chloroethane	1.932	64	42163	4.834	ug/L	91
9) Trichlorofluoromethane	2.134	101	108226	4.948	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	62252	4.909	ug/L	95
12) 1,1-Dichloroethene	2.578	96	55385	4.893	ug/L	99
13) Acetone	2.642	43	86439	35.734	ug/L	100
14) Carbon disulfide	2.790	76	141879	4.989	ug/L	100
15) Methyl Acetate	2.951	43	22596	5.210	ug/L	99
16) Methylene chloride	3.041	84	67120	4.530	ug/L	96
17) Methyl tert-butyl Ether	3.359	73	141623	4.970	ug/L	99
18) trans-1,2-Dichloroethene	3.349	96	57068	4.957	ug/L	92
19) 1,1-Dichloroethane	3.864	63	117490	5.096	ug/L	95
21) 2-Butanone	4.706	43	147528	46.043	ug/L	98
22) cis-1,2-Dichloroethene	4.661	96	69219	5.142	ug/L	97
23) Bromochloromethane	4.970	128	29992	5.100	ug/L	96
25) Chloroform	5.083	83	124446	4.977	ug/L	97

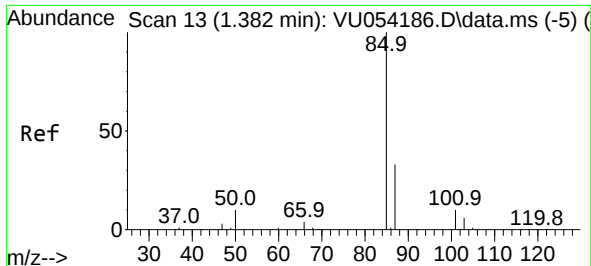
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051823\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 19 04:28:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	71994	5.007	ug/L	100
29) 1,1,1-Trichloroethane	5.308	97	109571	5.011	ug/L	98
30) Cyclohexane	5.385	56	89150	5.009	ug/L	97
31) Carbon tetrachloride	5.520	117	94682	4.993	ug/L	100
33) Benzene	5.767	78	254673	5.151	ug/L	100
34) Trichloroethene	6.536	95	69593	5.234	ug/L	99
35) Methylcyclohexane	6.758	83	91857	4.725	ug/L	98
37) 1,2-Dichloropropane	6.783	63	65680	5.059	ug/L	99
38) Bromodichloromethane	7.099	83	83863	5.102	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	86473	4.471	ug/L	100
40) 4-Methyl-2-pentanone	7.783	43	354689	53.676	ug/L	99
42) Toluene	7.963	91	271508	5.197	ug/L	97
44) trans-1,3-Dichloropropene	8.205	75	76426	4.814	ug/L	97
45) 1,1,2-Trichloroethane	8.394	97	48229	5.155	ug/L	98
47) Tetrachloroethene	8.549	164	55230	5.055	ug/L	99
48) 2-Hexanone	8.680	43	255163	51.072	ug/L	99
49) Dibromochloromethane	8.803	129	52290	5.007	ug/L	97
50) 1,2-Dibromoethane	8.918	107	45654	5.310	ug/L #	94
51) Chlorobenzene	9.442	112	179150	5.072	ug/L	98
52) Ethylbenzene	9.565	91	301771	5.184	ug/L	99
53) m,p-Xylene	9.690	106	115034	5.202	ug/L	98
54) o-Xylene	10.095	106	113198	5.184	ug/L	99
55) Styrene	10.108	104	186480	5.223	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	58795	5.292	ug/L	97
59) Bromoform	10.285	173	30584	4.995	ug/L	97
60) Isopropylbenzene	10.478	105	306832	5.282	ug/L	99
61) 1,2,3-Trichloropropane	10.815	75	39662	5.139	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	249854	5.269	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	257733	5.446	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	148286	5.114	ug/L	99
65) 1,4-Dichlorobenzene	11.831	146	148119	5.142	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	138674	5.212	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	9114	5.523	ug/L	92
69) 1,3,5-Trichlorobenzene	13.214	180	111487	5.154	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	94275	5.264	ug/L	99
71) Naphthalene	14.082	128	149965	5.788	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	86346	5.696	ug/L	100

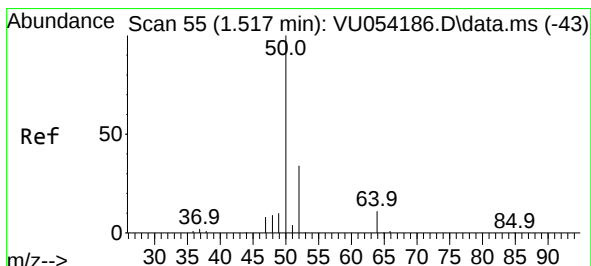
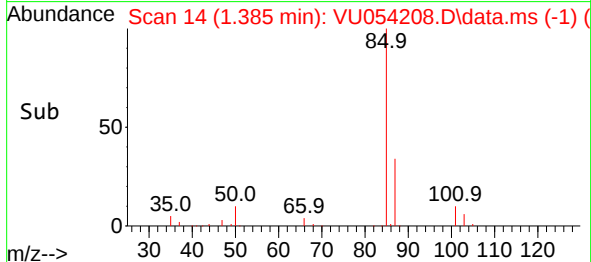
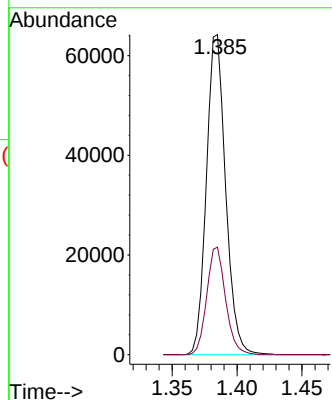
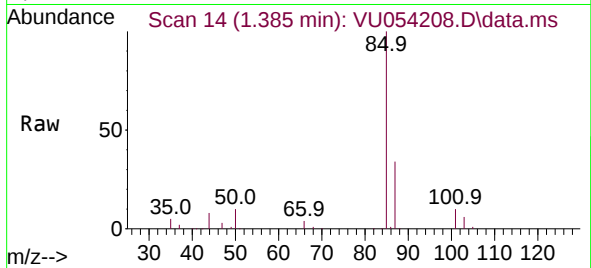
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#2
Dichlorodifluoromethane
Concen: 4.730 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

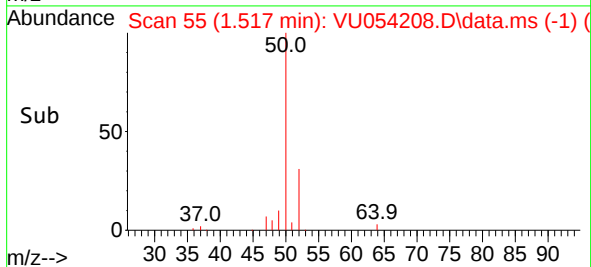
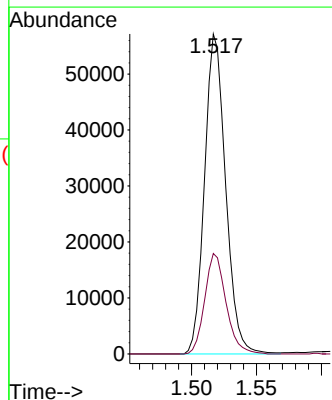
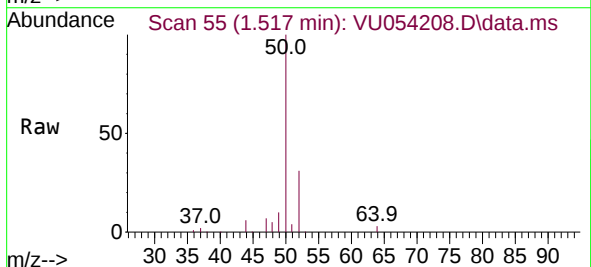
Instrument :
MSVOA_U
ClientSampleId :
VSTD005168

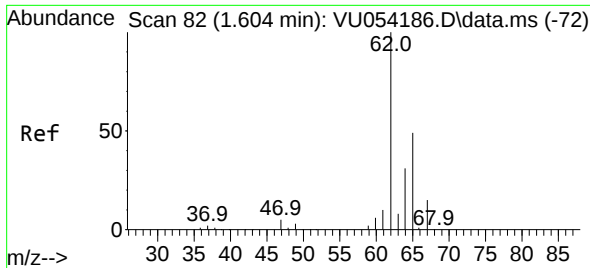
Tgt Ion: 85 Resp: 66131
Ion Ratio Lower Upper
85 100
87 32.8 26.1 39.1



#3
Chloromethane
Concen: 4.986 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

Tgt Ion: 50 Resp: 64630
Ion Ratio Lower Upper
50 100
52 31.4 23.7 44.1

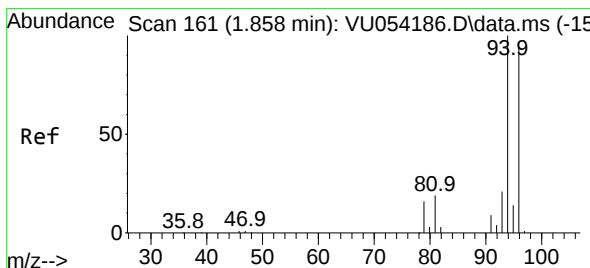
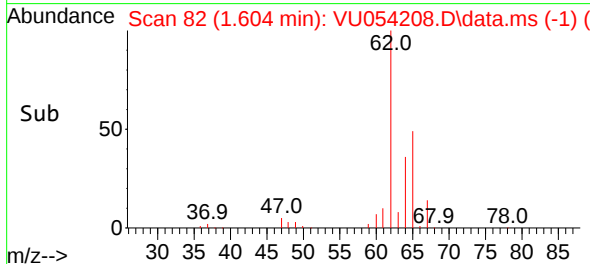
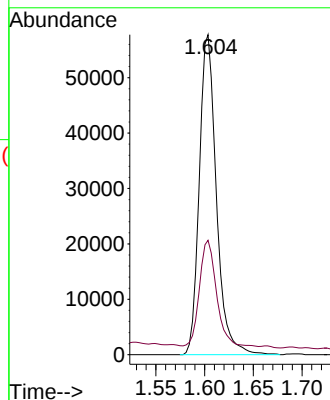
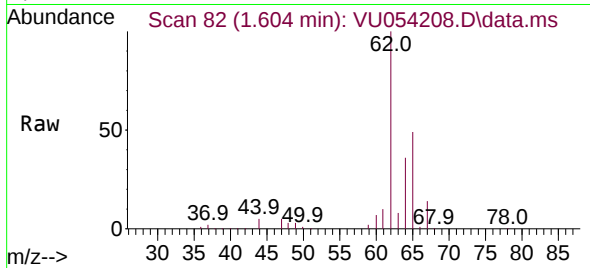




#5
 Vinyl chloride
 Concen: 5.118 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU054208.D
 Acq: 19 May 2023 09:22

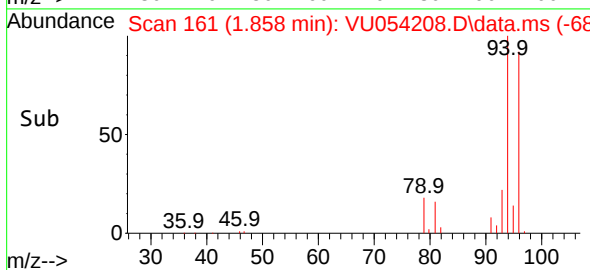
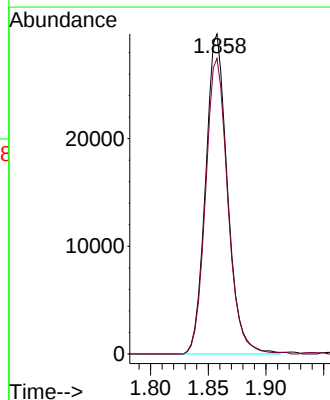
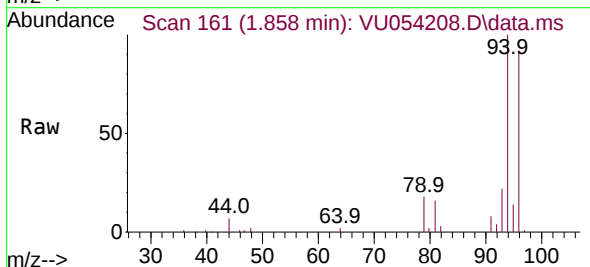
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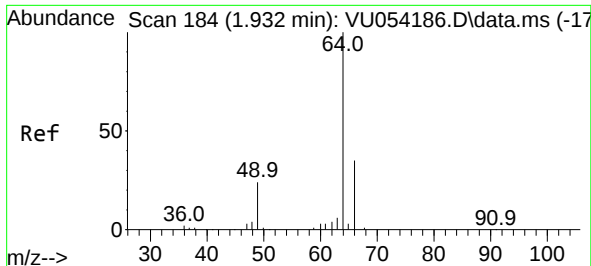
Tgt Ion: 62 Resp: 70473
 Ion Ratio Lower Upper
 62 100
 64 35.7 22.4 41.6



#6
 Bromomethane
 Concen: 4.702 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU054208.D
 Acq: 19 May 2023 09:22

Tgt Ion: 94 Resp: 39280
 Ion Ratio Lower Upper
 94 100
 96 92.4 68.7 127.5

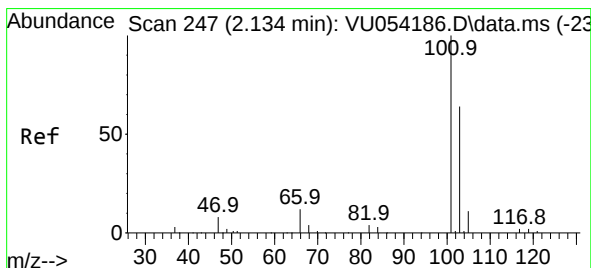
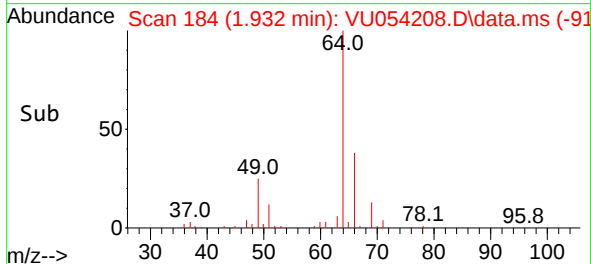
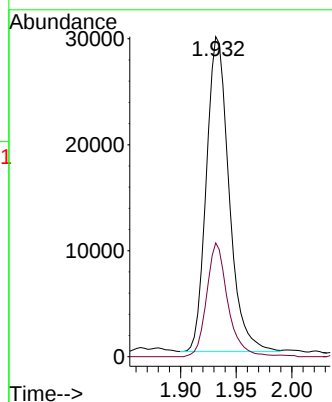
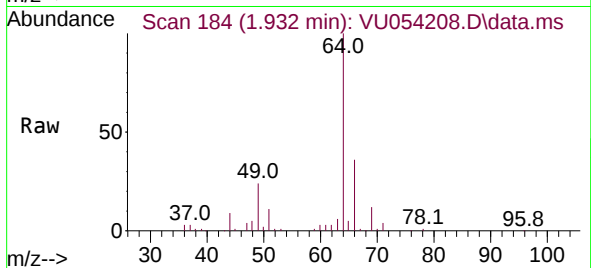




#8
Chloroethane
Concen: 4.834 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

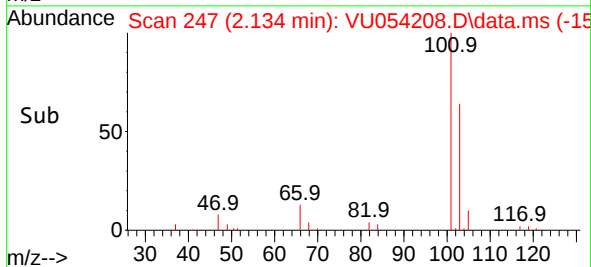
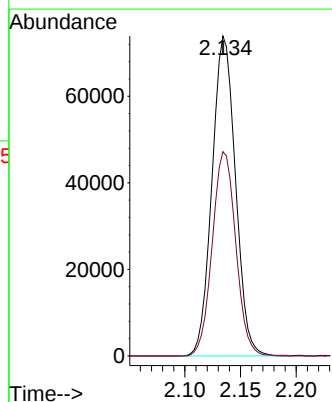
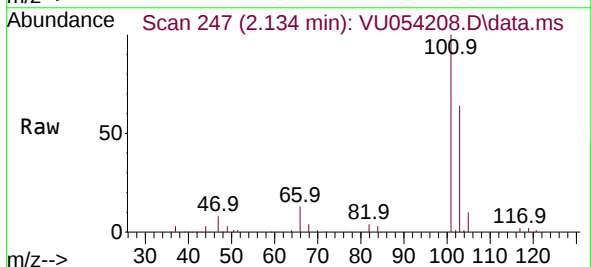
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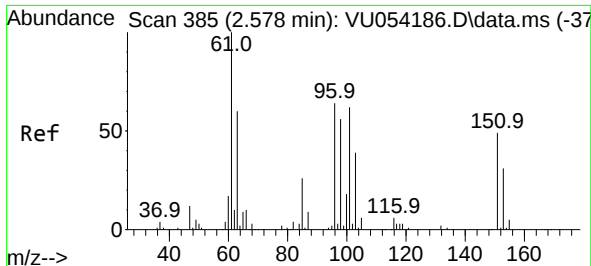
Tgt Ion: 64 Resp: 42163
Ion Ratio Lower Upper
64 100
66 35.6 21.6 40.0



#9
Trichlorofluoromethane
Concen: 4.948 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

Tgt Ion:101 Resp: 108226
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.6

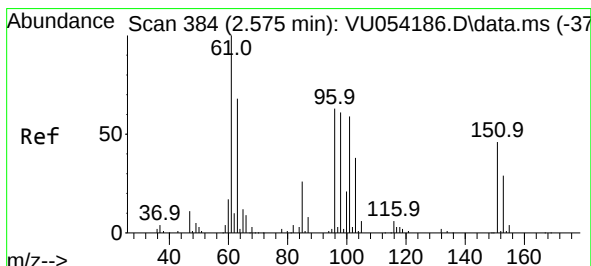
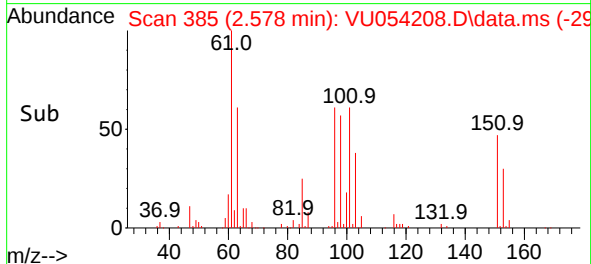
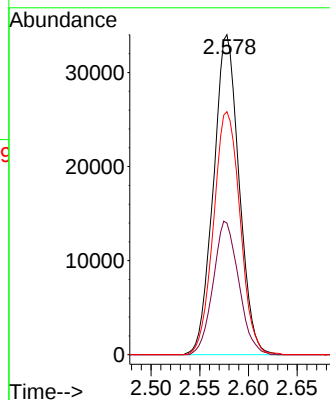
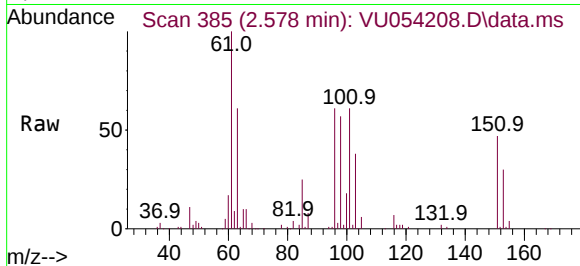




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.909 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU054208.D
 Acq: 19 May 2023 09:22

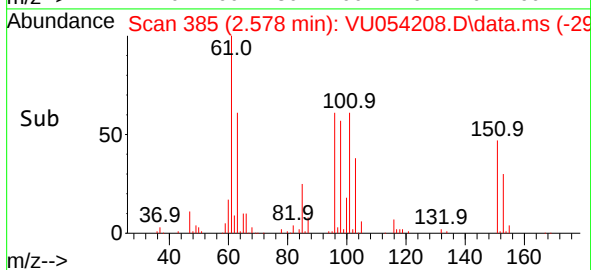
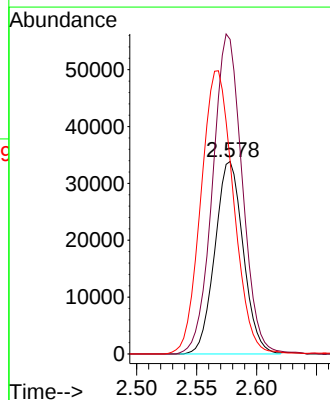
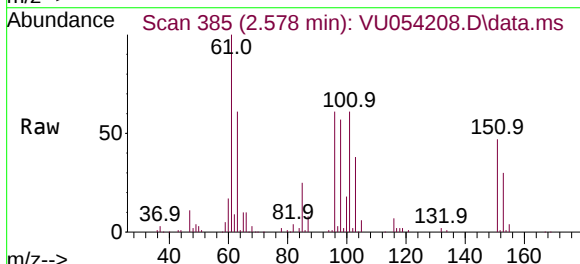
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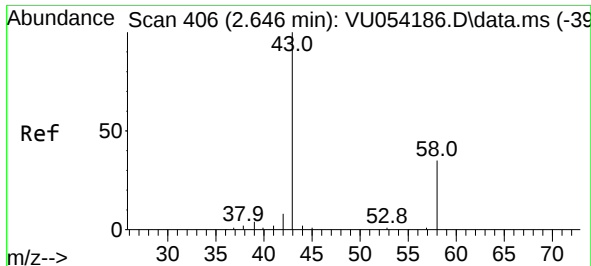
Tgt Ion:101 Resp: 62252
 Ion Ratio Lower Upper
 101 100
 85 41.5 35.0 52.4
 151 78.8 59.0 88.6



#12
 1,1-Dichloroethene
 Concen: 4.893 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU054208.D
 Acq: 19 May 2023 09:22

Tgt Ion: 96 Resp: 55385
 Ion Ratio Lower Upper
 96 100
 61 163.3 114.7 212.9
 63 100.2 68.6 127.4





#13

Acetone

Concen: 35.734 ug/L

RT: 2.642 min Scan# 406

Delta R.T. -0.003 min

Lab File: VU054208.D

Acq: 19 May 2023 09:22

Instrument :

MSVOA_U

ClientSampleId :

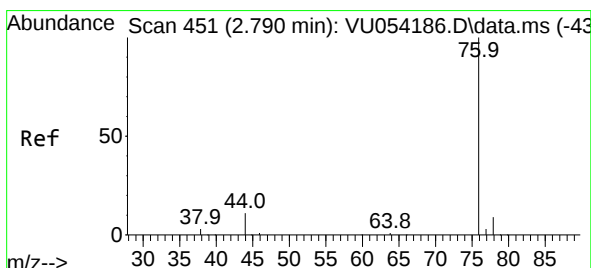
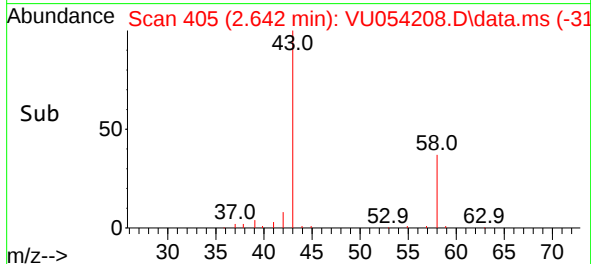
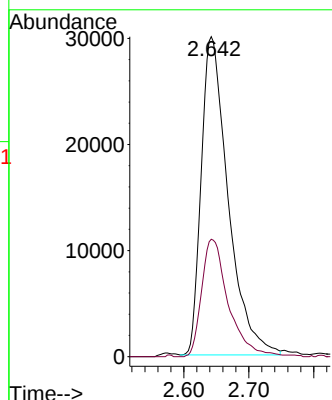
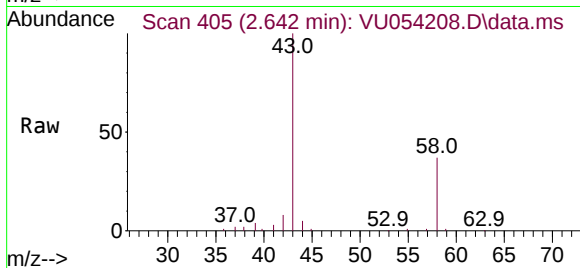
VSTD005168

Tgt Ion: 43 Resp: 86439

Ion Ratio Lower Upper

43 100

58 36.6 0.0 73.2



#14

Carbon disulfide

Concen: 4.989 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU054208.D

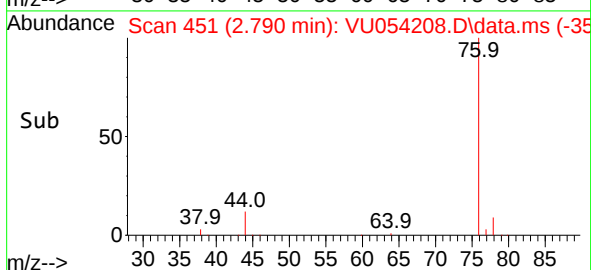
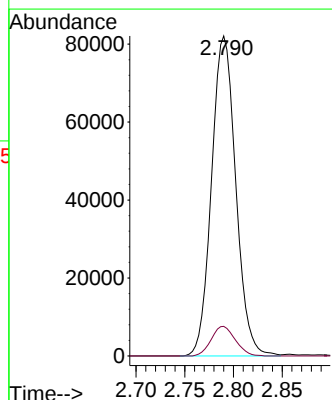
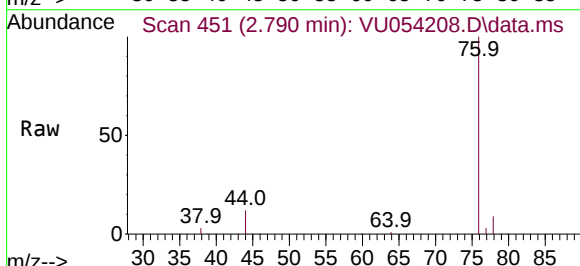
Acq: 19 May 2023 09:22

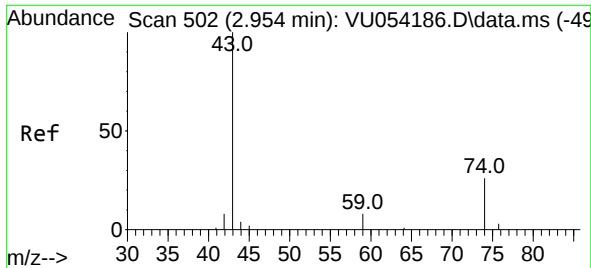
Tgt Ion: 76 Resp: 141879

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

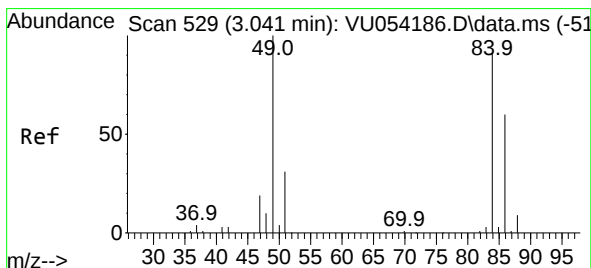
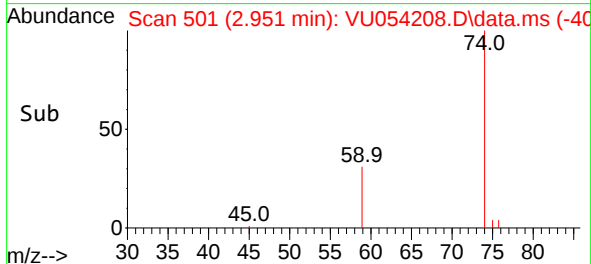
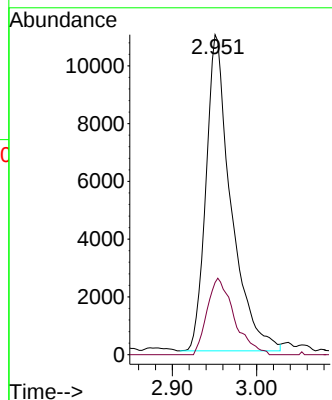
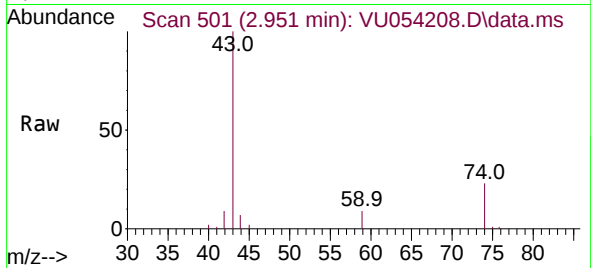




#15
Methyl Acetate
Concen: 5.210 ug/L
RT: 2.951 min Scan# 501
Delta R.T. -0.003 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

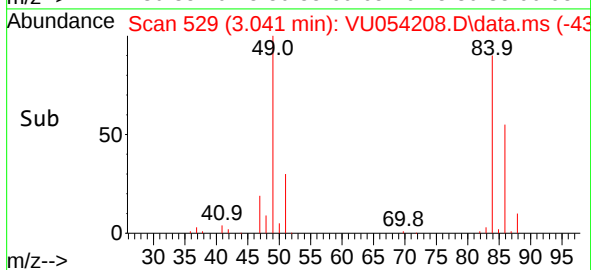
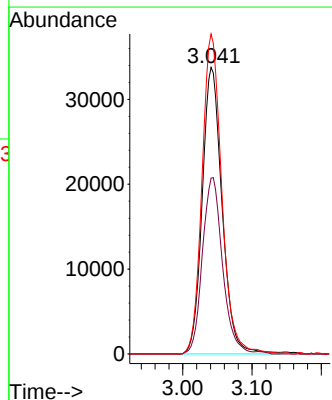
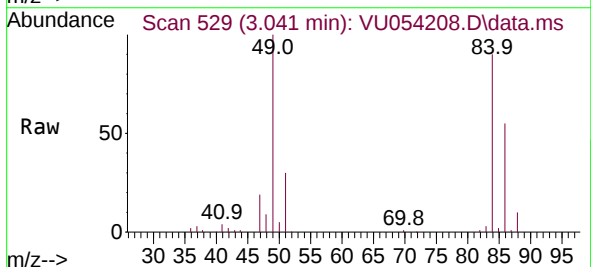
Instrument :
MSVOA_U
ClientSampleId :
VSTD005168

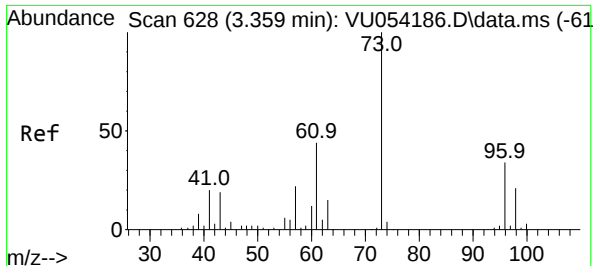
Tgt Ion: 43 Resp: 22596
Ion Ratio Lower Upper
43 100
74 26.1 20.3 30.5



#16
Methylene chloride
Concen: 4.530 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

Tgt Ion: 84 Resp: 67120
Ion Ratio Lower Upper
84 100
86 61.4 45.5 84.5
49 111.7 81.3 150.9





#17

Methyl tert-butyl Ether

Concen: 4.970 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU054208.D

Acq: 19 May 2023 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD005168

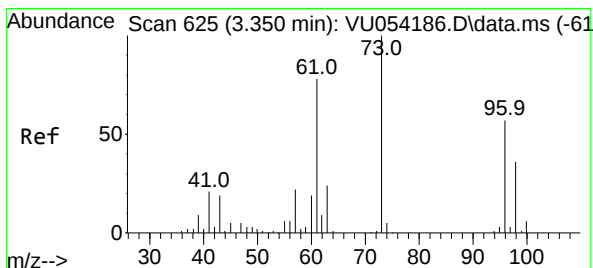
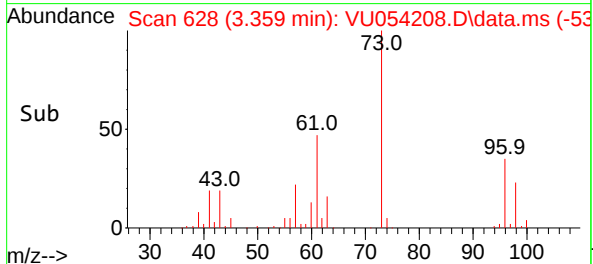
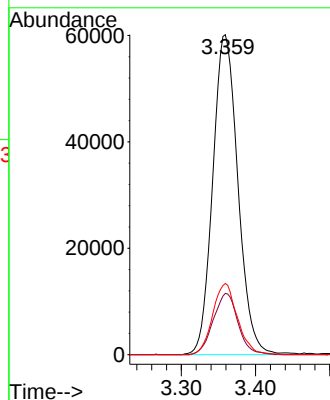
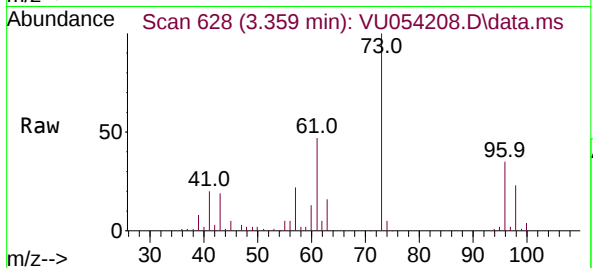
Tgt Ion: 73 Resp: 141623

Ion Ratio Lower Upper

73 100

43 18.9 14.6 22.0

57 21.9 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 4.957 ug/L

RT: 3.349 min Scan# 625

Delta R.T. -0.000 min

Lab File: VU054208.D

Acq: 19 May 2023 09:22

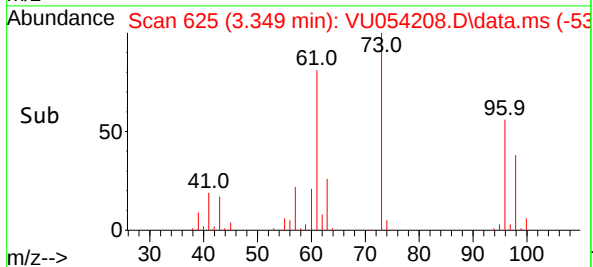
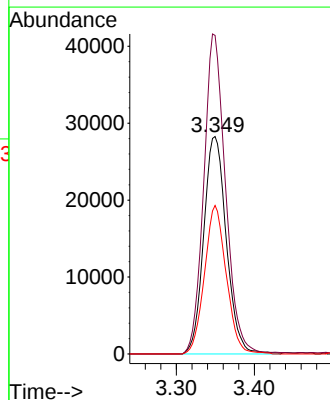
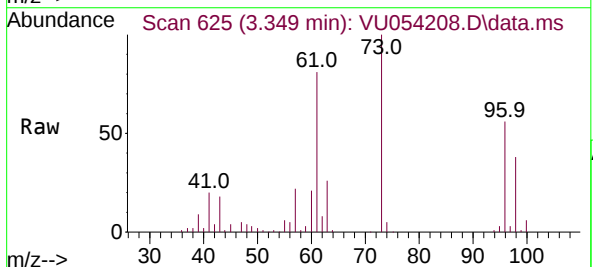
Tgt Ion: 96 Resp: 57068

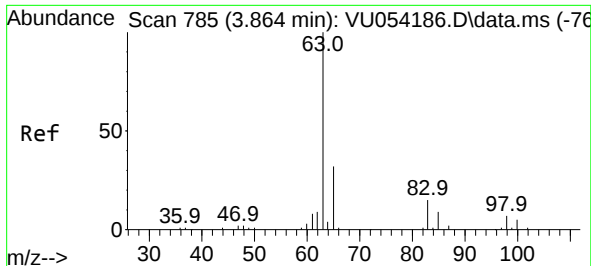
Ion Ratio Lower Upper

96 100

61 146.5 94.1 174.8

98 68.3 45.3 84.1

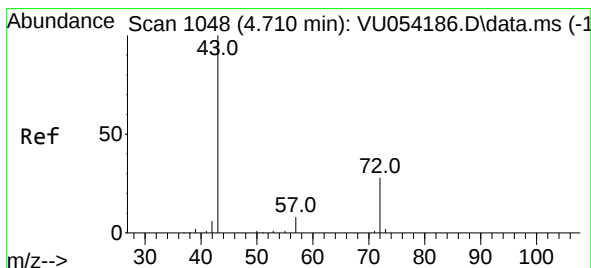
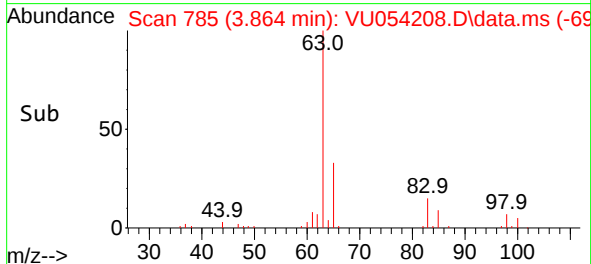
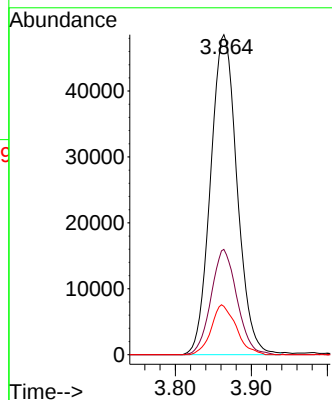
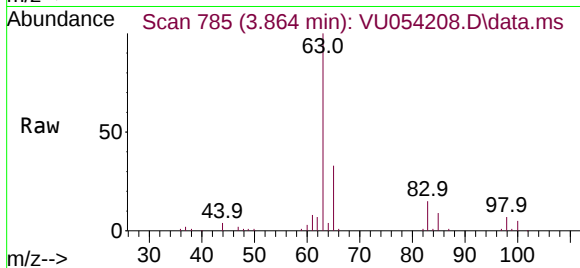




#19
1,1-Dichloroethane
Concen: 5.096 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

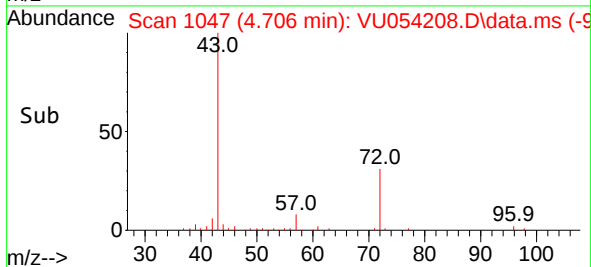
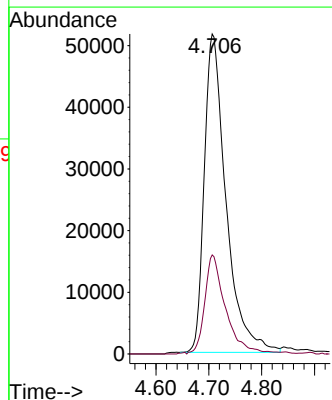
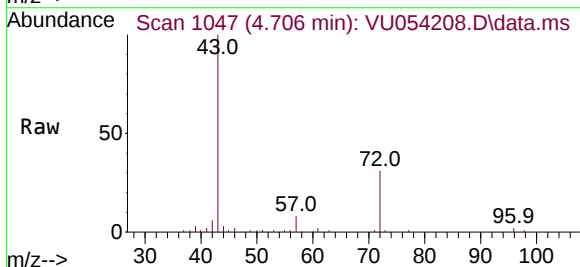
Instrument :
MSVOA_U
ClientSampleId :
VSTD005168

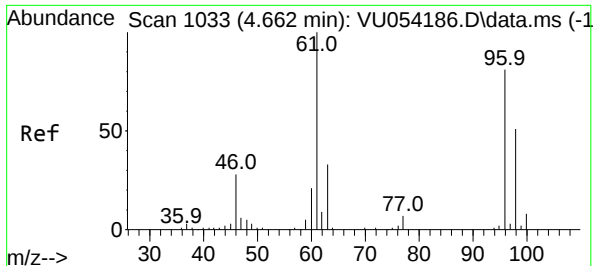
Tgt Ion: 63 Resp: 117490
Ion Ratio Lower Upper
63 100
65 32.9 20.7 38.5
83 15.1 10.1 18.7



#21
2-Butanone
Concen: 46.043 ug/L
RT: 4.706 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

Tgt Ion: 43 Resp: 147528
Ion Ratio Lower Upper
43 100
72 29.4 14.2 42.8

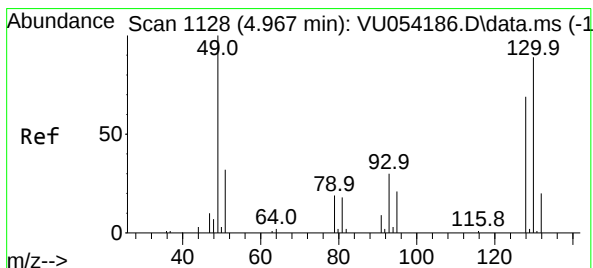
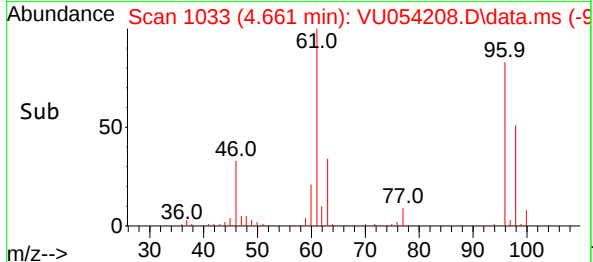
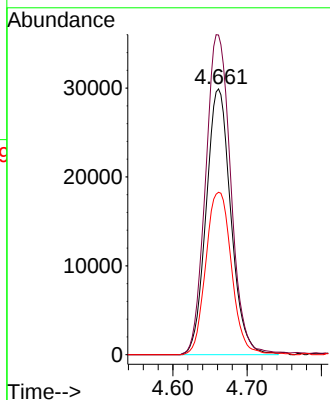
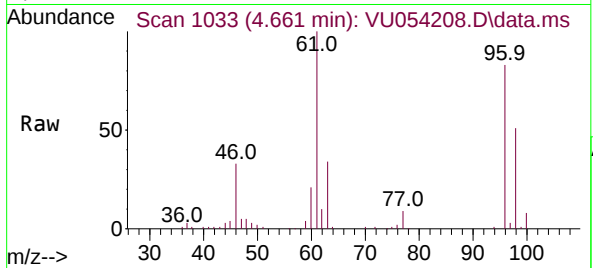




#22
 cis-1,2-Dichloroethene
 Concen: 5.142 ug/L
 RT: 4.661 min Scan# 1033
 Delta R.T. -0.000 min
 Lab File: VU054208.D
 Acq: 19 May 2023 09:22

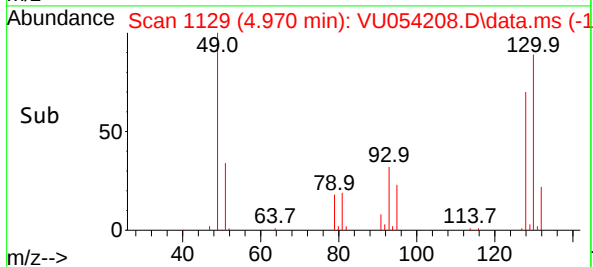
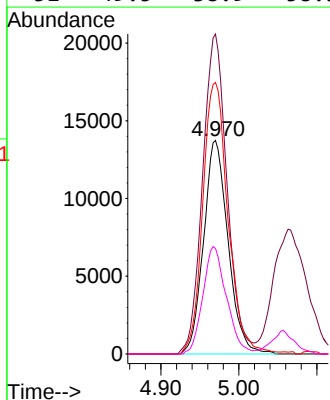
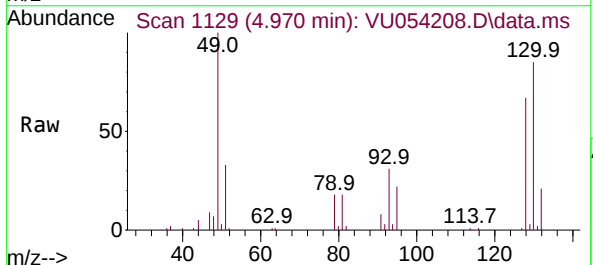
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005168

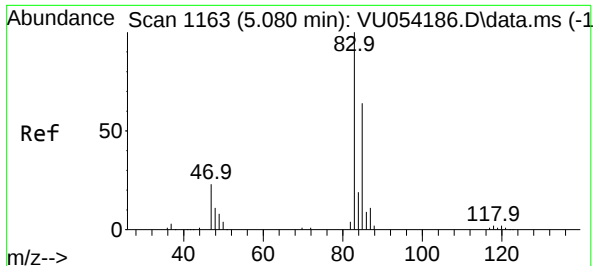
Tgt Ion: 96 Resp: 69219
 Ion Ratio Lower Upper
 96 100
 61 120.3 85.0 157.8
 98 61.1 45.8 85.0



#23
 Bromochloromethane
 Concen: 5.100 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. 0.003 min
 Lab File: VU054208.D
 Acq: 19 May 2023 09:22

Tgt Ion:128 Resp: 29992
 Ion Ratio Lower Upper
 128 100
 49 149.9 100.9 187.3
 130 127.1 93.2 173.0
 51 49.5 38.9 58.3





#25

Chloroform

Concen: 4.977 ug/L

RT: 5.083 min Scan# 1163

Delta R.T. 0.003 min

Lab File: VU054208.D

Acq: 19 May 2023 09:22

Instrument :

MSVOA_U

ClientSampleId :

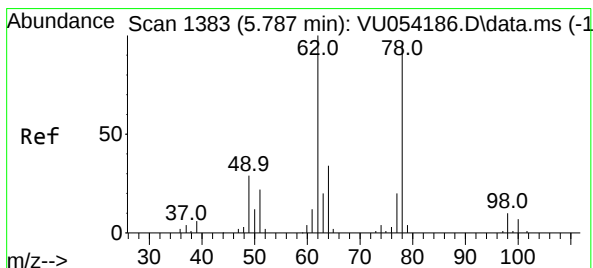
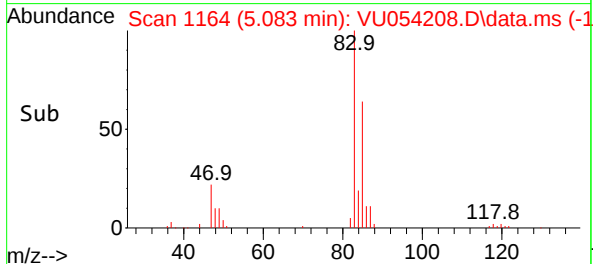
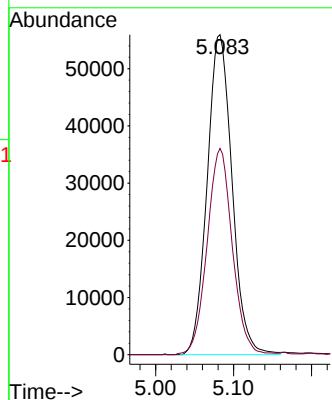
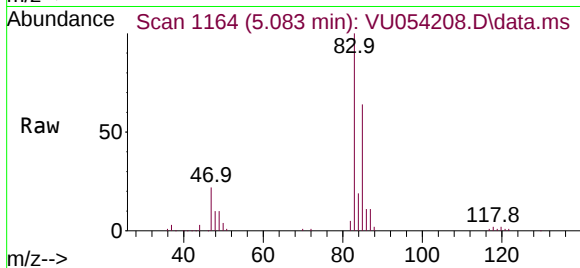
VSTD005168

Tgt Ion: 83 Resp: 124446

Ion Ratio Lower Upper

83 100

85 64.4 46.8 87.0



#27

1,2-Dichloroethane

Concen: 5.007 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.003 min

Lab File: VU054208.D

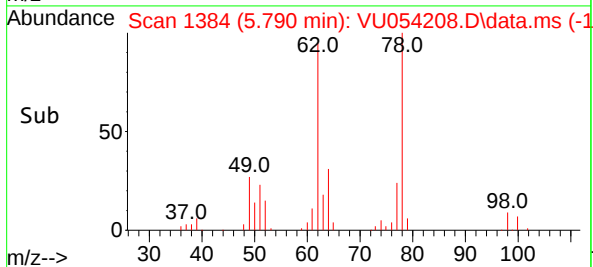
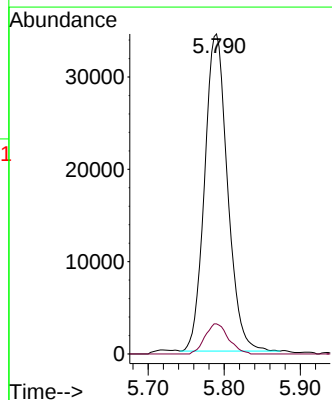
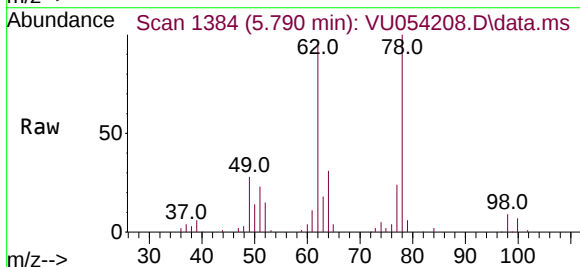
Acq: 19 May 2023 09:22

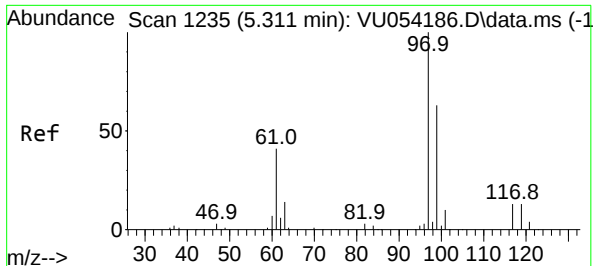
Tgt Ion: 62 Resp: 71994

Ion Ratio Lower Upper

62 100

98 9.4 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 5.011 ug/L

RT: 5.308 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054208.D

Acq: 19 May 2023 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD005168

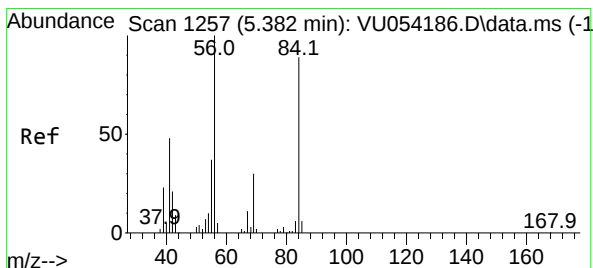
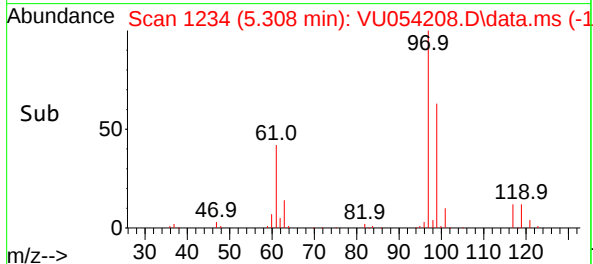
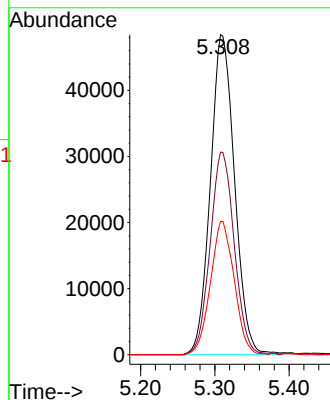
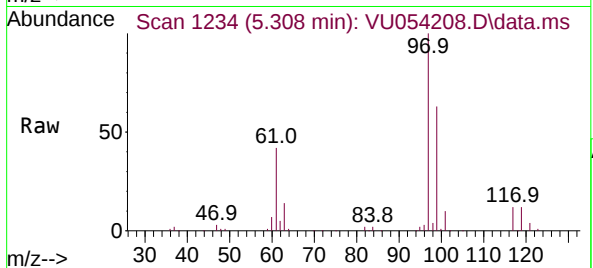
Tgt Ion: 97 Resp: 109571

Ion Ratio Lower Upper

97 100

99 63.1 51.8 77.6

61 40.9 33.4 50.2



#30

Cyclohexane

Concen: 5.009 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.003 min

Lab File: VU054208.D

Acq: 19 May 2023 09:22

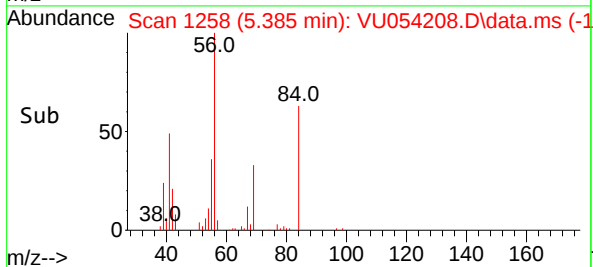
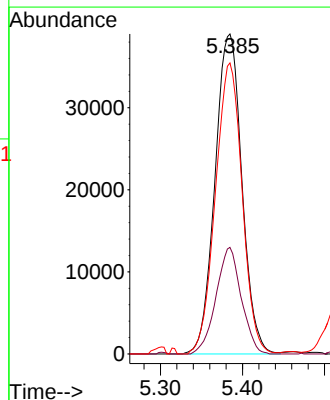
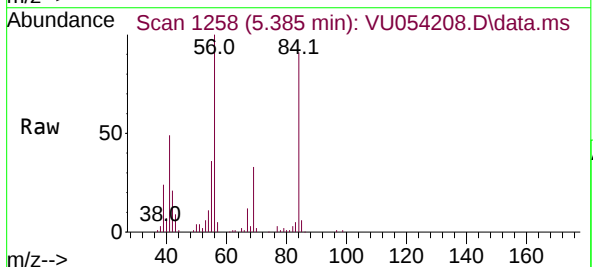
Tgt Ion: 56 Resp: 89150

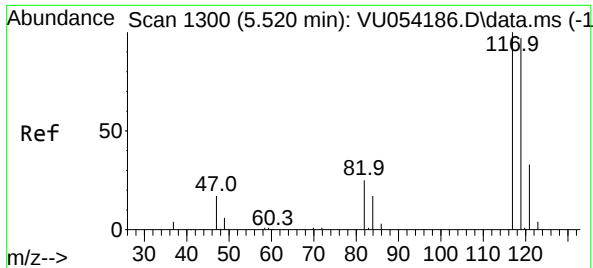
Ion Ratio Lower Upper

56 100

69 31.2 26.2 39.4

84 90.2 74.2 111.4

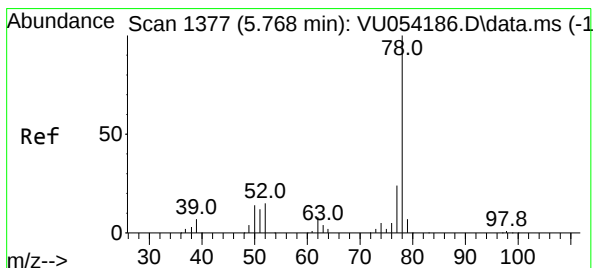
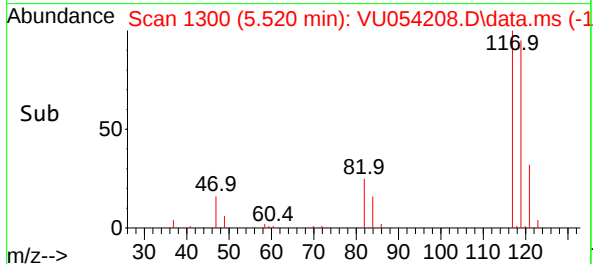
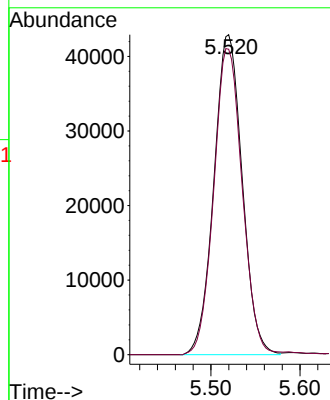
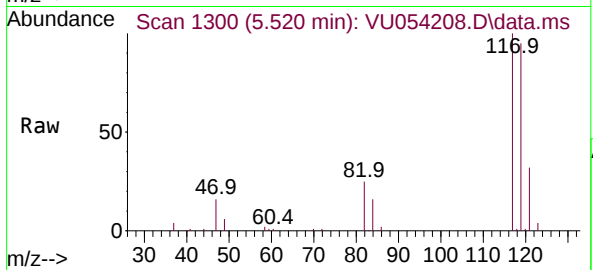




#31
Carbon tetrachloride
Concen: 4.993 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

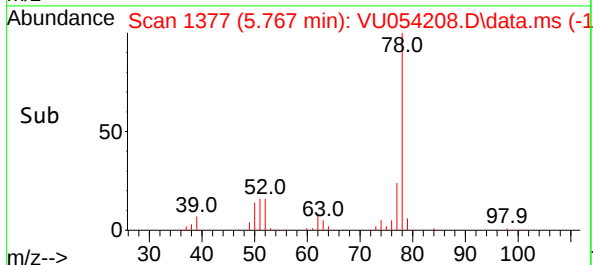
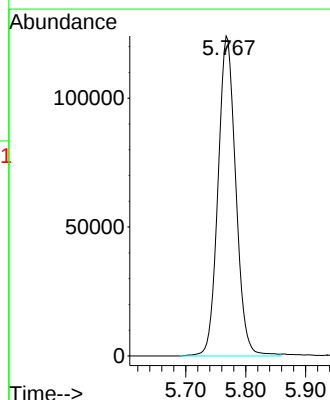
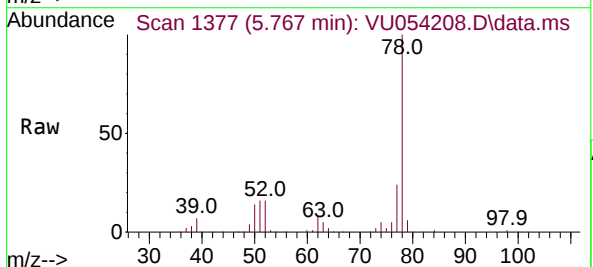
Instrument :
MSVOA_U
ClientSampleId :
VSTD005168

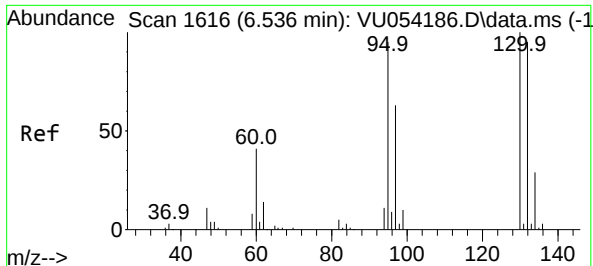
Tgt Ion:117 Resp: 94682
Ion Ratio Lower Upper
117 100
119 96.0 76.6 114.8



#33
Benzene
Concen: 5.151 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

Tgt Ion: 78 Resp: 254673

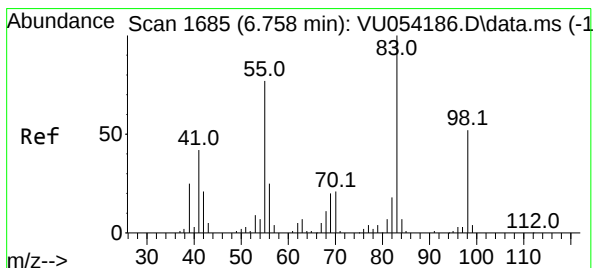
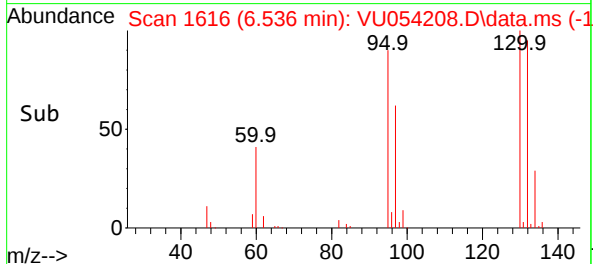
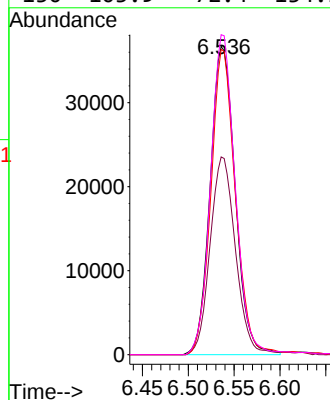
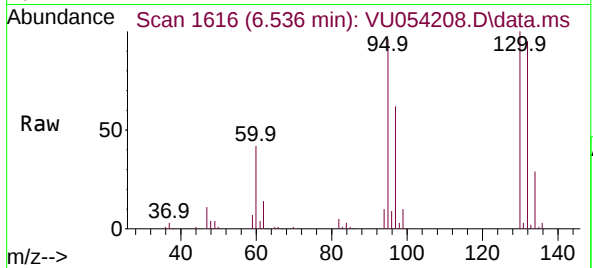




#34
Trichloroethene
Concen: 5.234 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

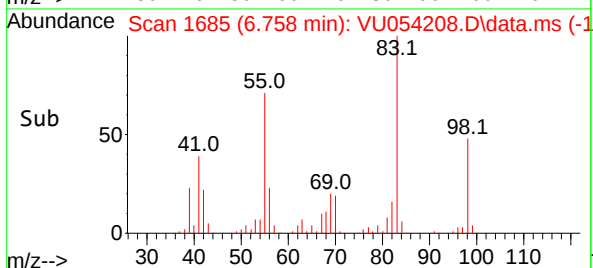
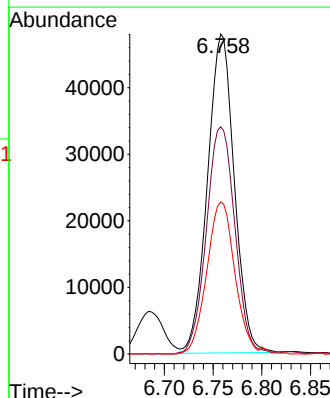
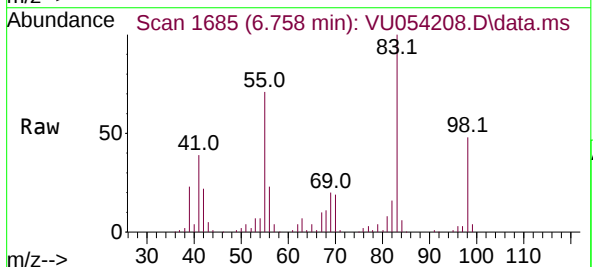
Instrument :
MSVOA_U
ClientSampleId :
VSTD005168

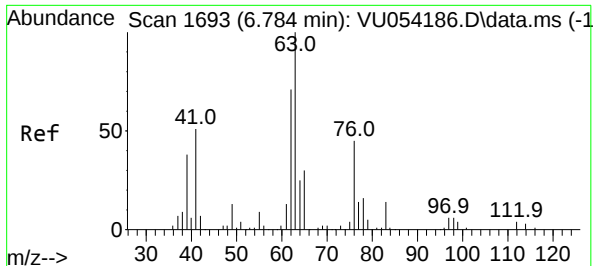
Tgt Ion: 95 Resp: 69593
Ion Ratio Lower Upper
95 100
97 64.2 45.8 85.0
132 99.1 70.1 130.3
130 103.9 72.4 134.5



#35
Methylcyclohexane
Concen: 4.725 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

Tgt Ion: 83 Resp: 91857
Ion Ratio Lower Upper
83 100
55 75.6 61.6 92.4
98 49.5 41.3 61.9

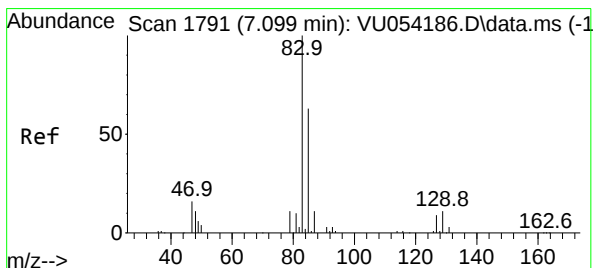
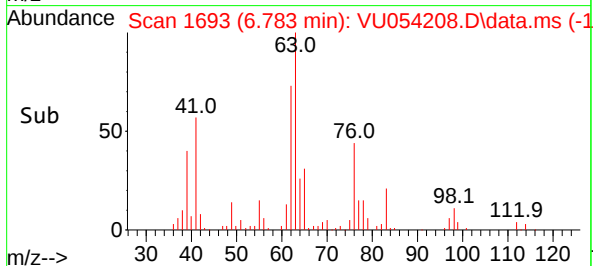
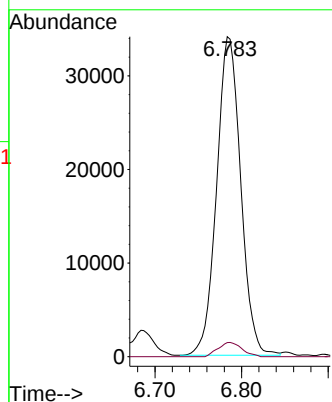
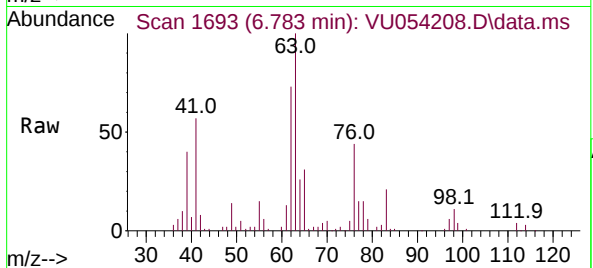




#37
1,2-Dichloropropane
Concen: 5.059 ug/L
RT: 6.783 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

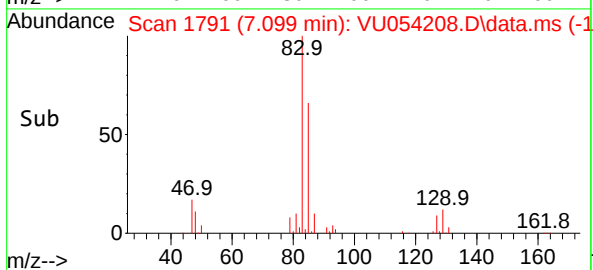
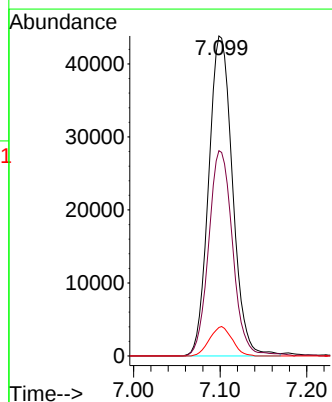
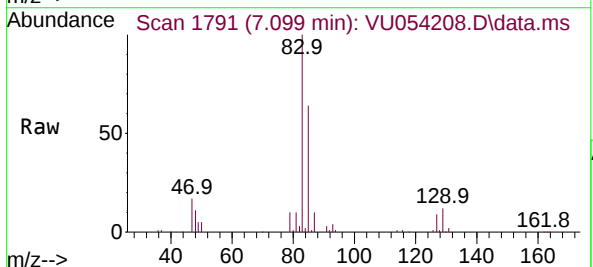
Instrument :
MSVOA_U
ClientSampleId :
VSTD005168

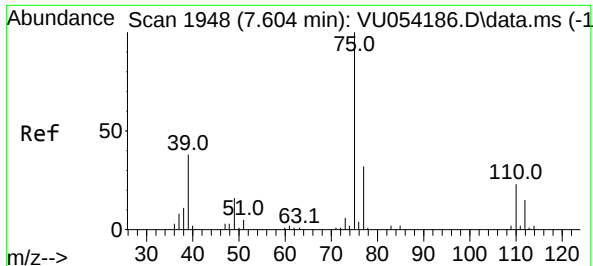
Tgt Ion: 63 Resp: 65680
Ion Ratio Lower Upper
63 100
112 4.4 3.3 4.9



#38
Bromodichloromethane
Concen: 5.102 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

Tgt Ion: 83 Resp: 83863
Ion Ratio Lower Upper
83 100
85 64.2 44.2 82.0
127 8.9 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.471 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU054208.D

Acq: 19 May 2023 09:22

Instrument :

MSVOA_U

ClientSampleId :

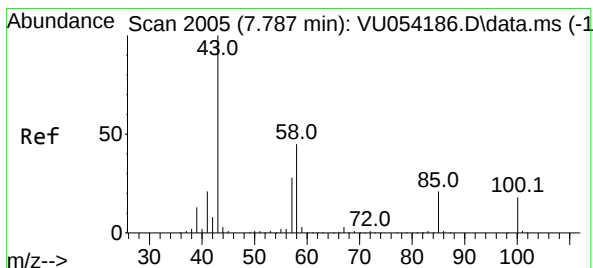
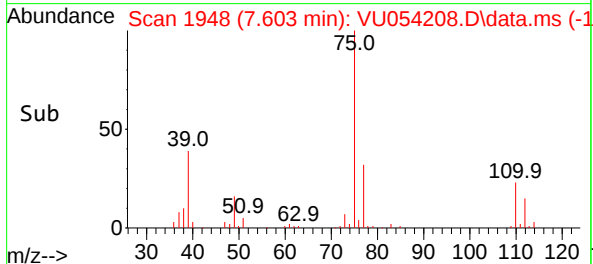
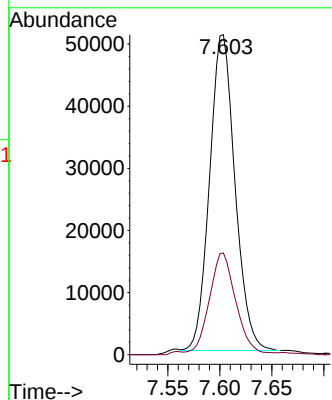
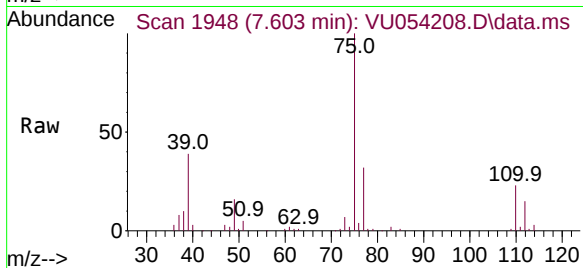
VSTD005168

Tgt Ion: 75 Resp: 86473

Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 53.676 ug/L

RT: 7.783 min Scan# 2004

Delta R.T. -0.003 min

Lab File: VU054208.D

Acq: 19 May 2023 09:22

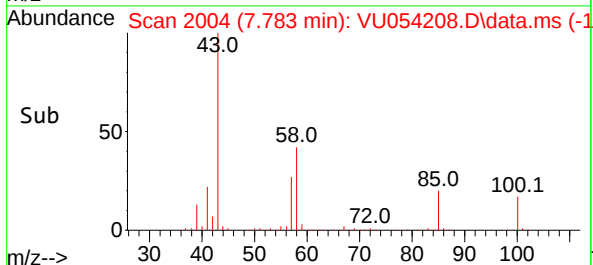
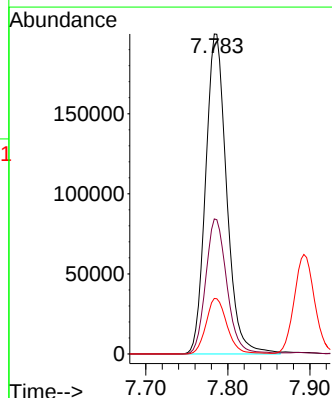
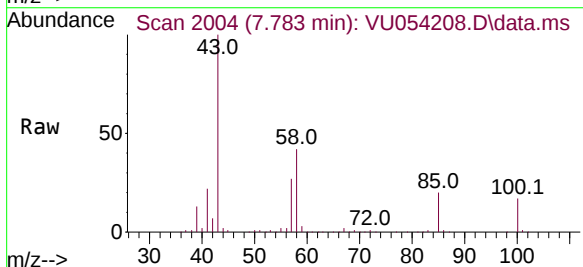
Tgt Ion: 43 Resp: 354689

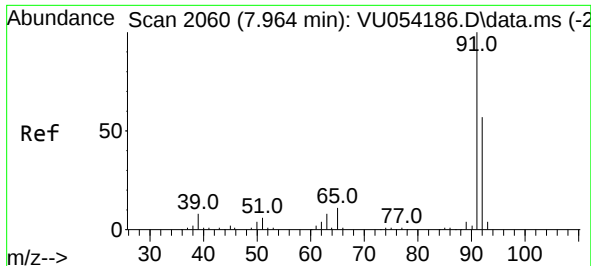
Ion Ratio Lower Upper

43 100

58 42.7 34.8 52.2

100 17.4 14.1 21.1





#42

Toluene

Concen: 5.197 ug/L

RT: 7.963 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU054208.D

Acq: 19 May 2023 09:22

Instrument :

MSVOA_U

ClientSampleId :

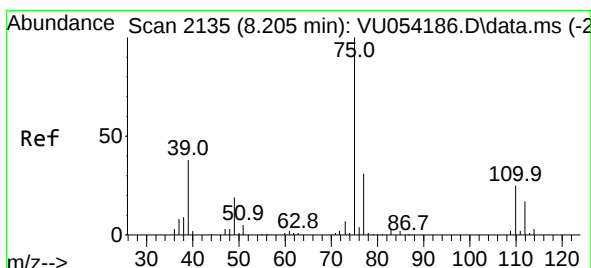
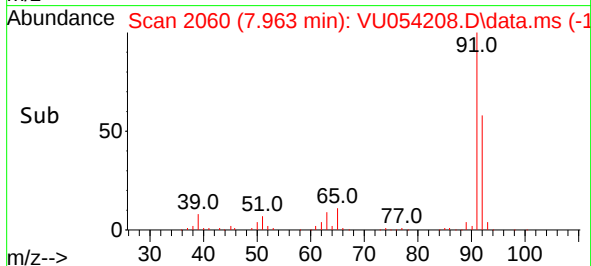
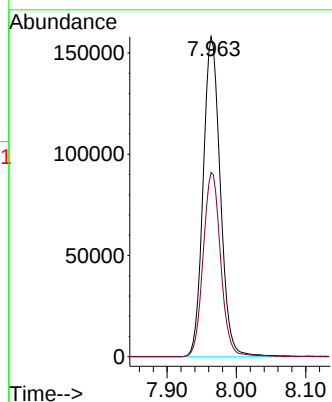
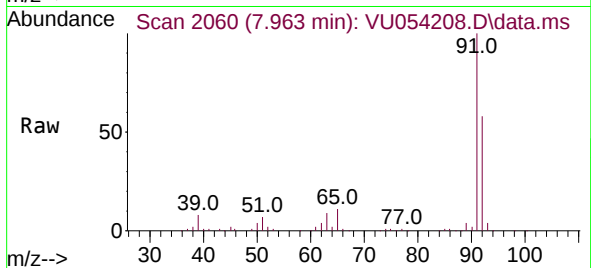
VSTD005168

Tgt Ion: 91 Resp: 271508

Ion Ratio Lower Upper

91 100

92 57.6 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 4.814 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU054208.D

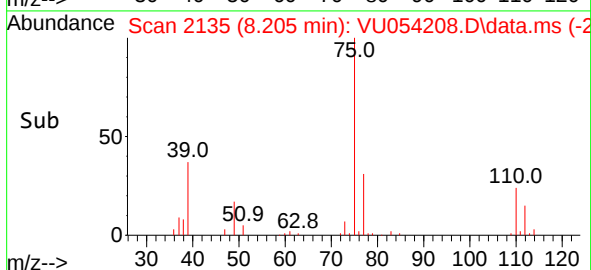
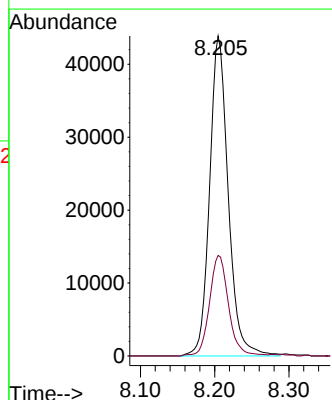
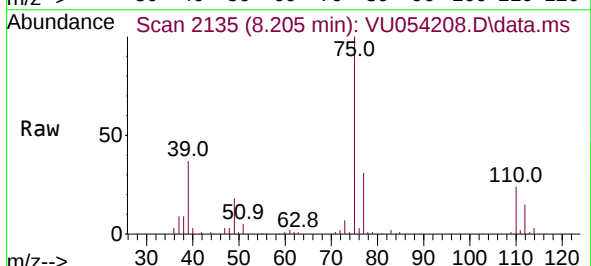
Acq: 19 May 2023 09:22

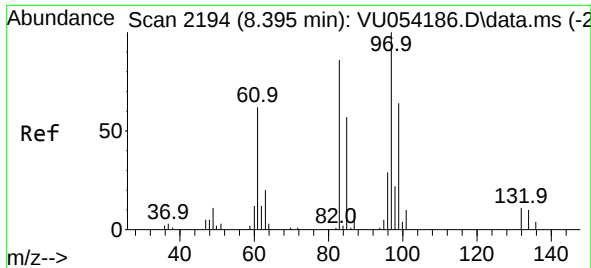
Tgt Ion: 75 Resp: 76426

Ion Ratio Lower Upper

75 100

77 31.4 20.8 38.6



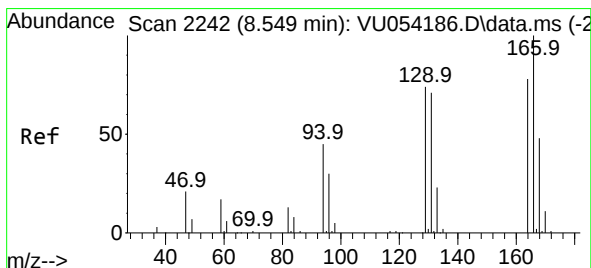
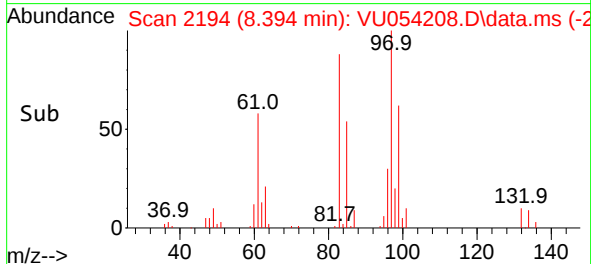
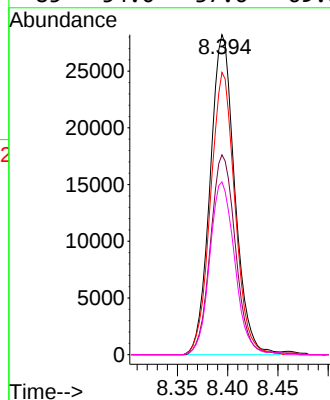
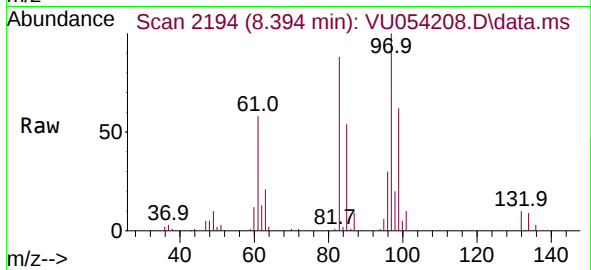


#45
1,1,2-Trichloroethane
Concen: 5.155 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD005168

Tgt Ion: 97 Resp: 48229

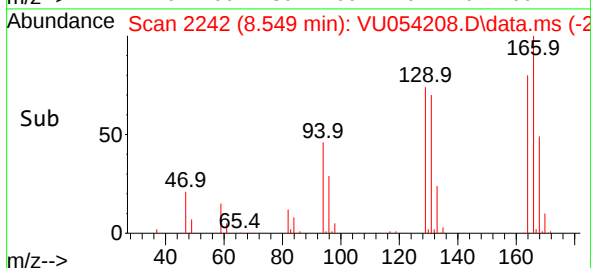
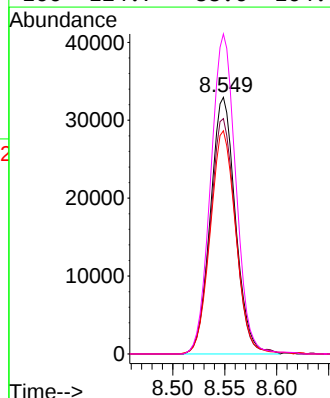
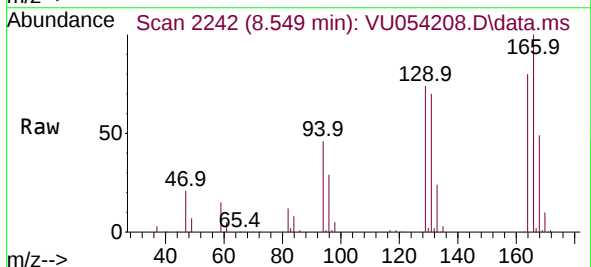
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.0	79.8
83	88.2	59.1	109.9
85	54.0	37.6	69.8

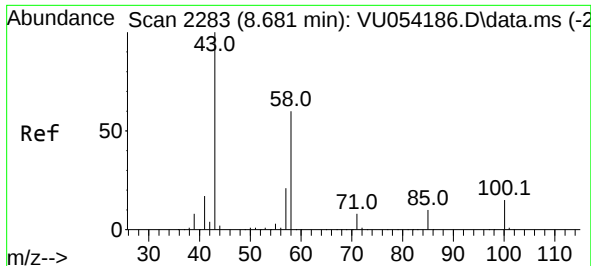


#47
Tetrachloroethene
Concen: 5.055 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

Tgt Ion: 164 Resp: 55230

Ion	Ratio	Lower	Upper
164	100		
129	91.7	63.3	117.7
131	87.0	61.0	113.4
166	124.7	88.6	164.6



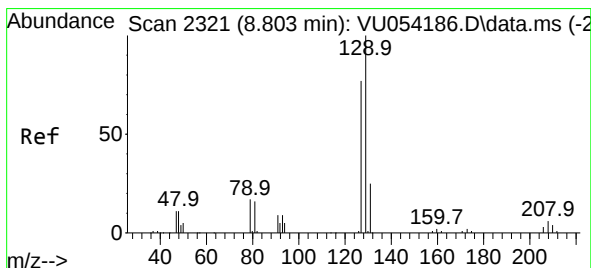
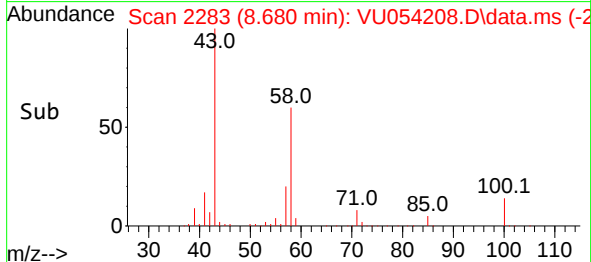
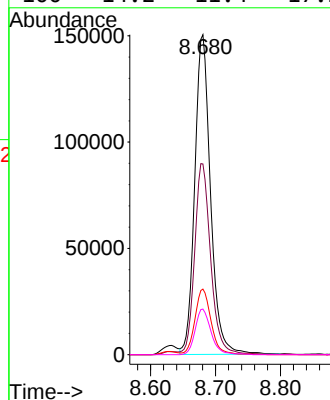
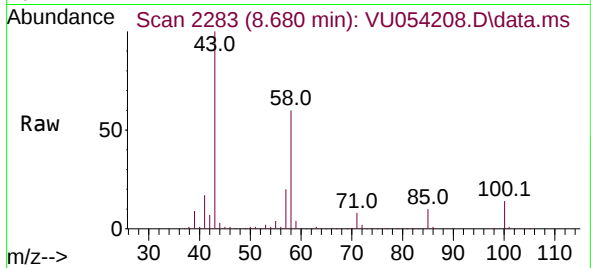


#48
2-Hexanone
Concen: 51.072 ug/L
RT: 8.680 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD005168

Tgt Ion: 43 Resp: 255163

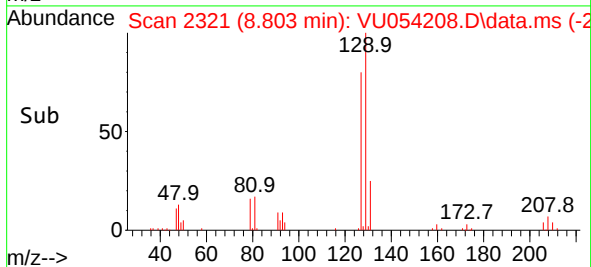
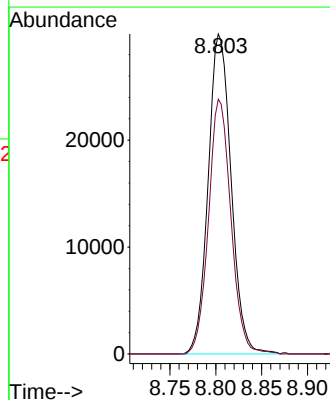
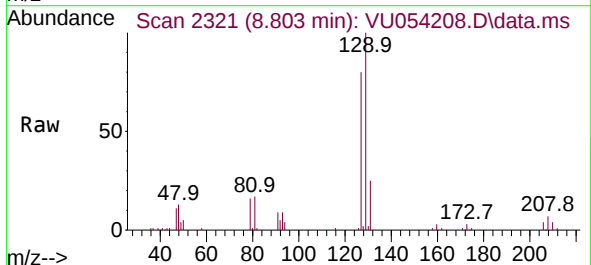
Ion	Ratio	Lower	Upper
43	100		
58	59.8	48.6	72.8
57	20.5	16.7	25.1
100	14.2	11.4	17.2

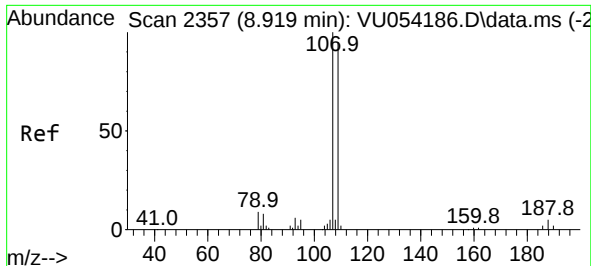


#49
Dibromochloromethane
Concen: 5.007 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

Tgt Ion: 129 Resp: 52290

Ion	Ratio	Lower	Upper
129	100		
127	79.6	53.6	99.6





#50

1,2-Dibromoethane

Concen: 5.310 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054208.D

Acq: 19 May 2023 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD005168

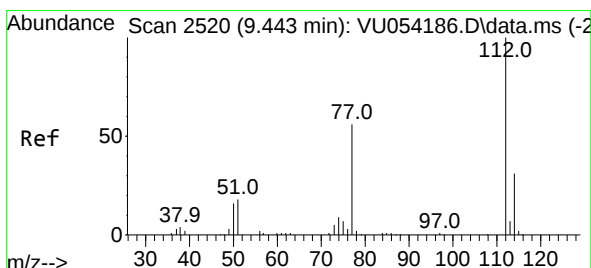
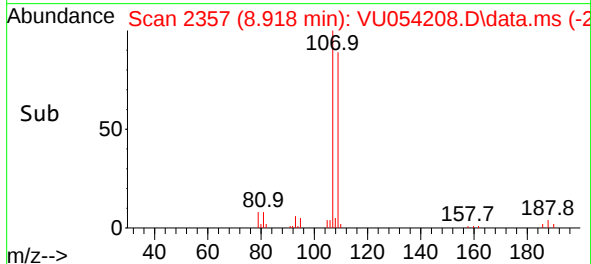
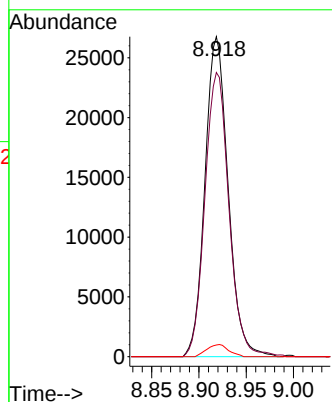
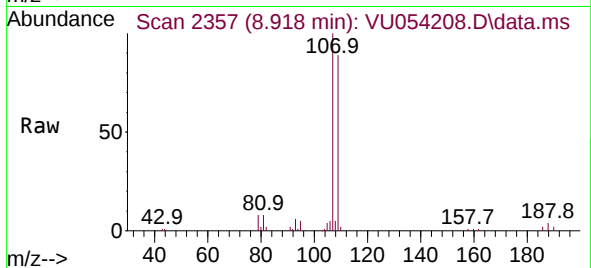
Tgt Ion:107 Resp: 45654

Ion Ratio Lower Upper

107 100

109 88.8 66.4 123.2

188 3.7 3.8 5.6#



#51

Chlorobenzene

Concen: 5.072 ug/L

RT: 9.442 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU054208.D

Acq: 19 May 2023 09:22

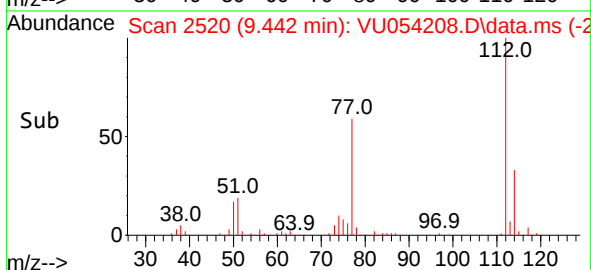
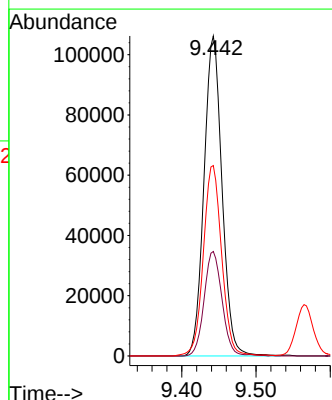
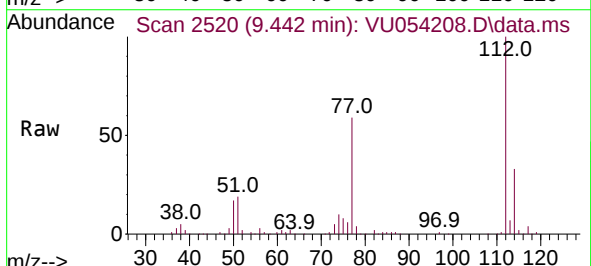
Tgt Ion:112 Resp: 179150

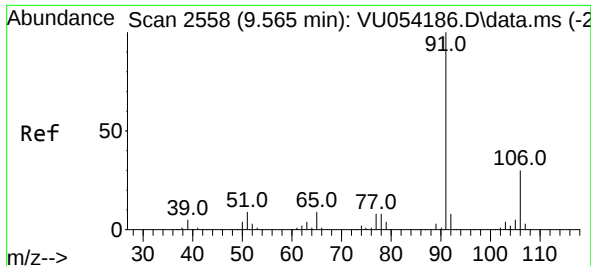
Ion Ratio Lower Upper

112 100

114 32.7 22.4 41.6

77 59.5 46.1 69.1

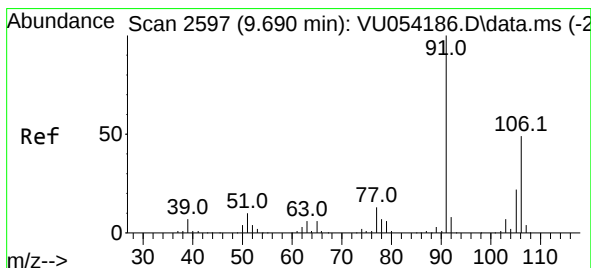
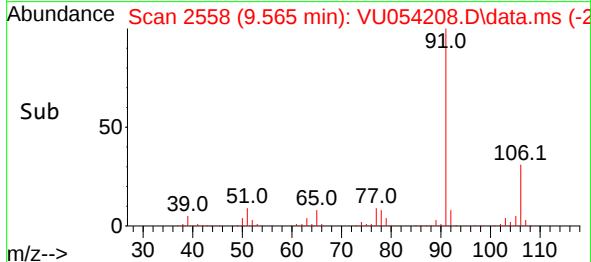
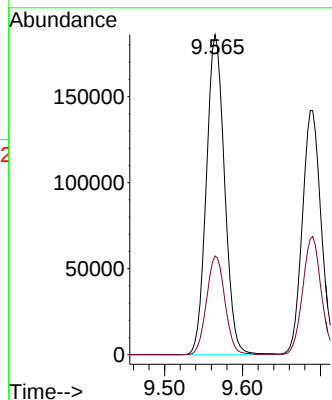
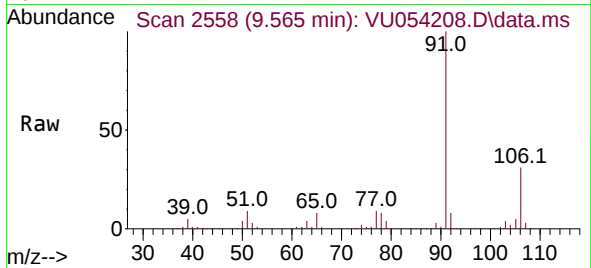




#52
Ethylbenzene
Concen: 5.184 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

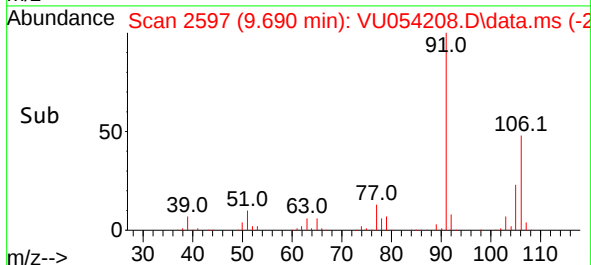
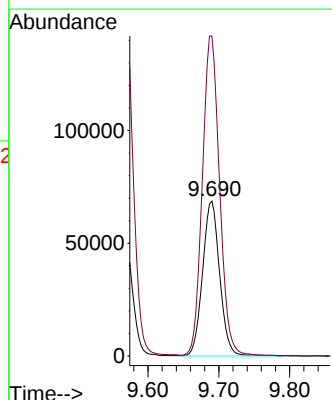
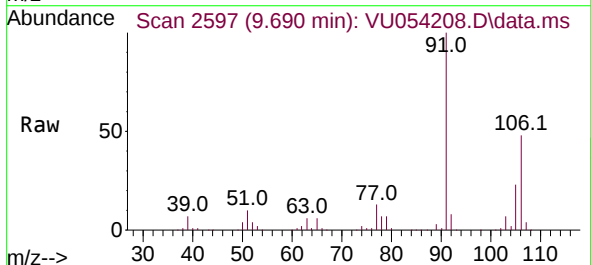
Instrument :
MSVOA_U
ClientSampleId :
VSTD005168

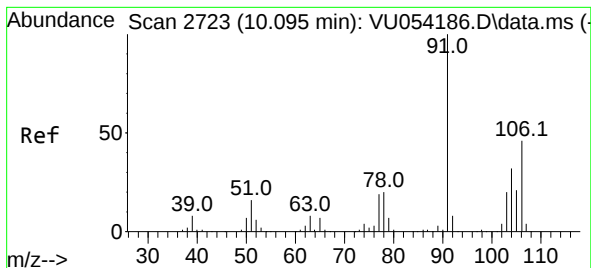
Tgt Ion: 91 Resp: 301771
Ion Ratio Lower Upper
91 100
106 30.8 21.3 39.5



#53
m,p-Xylene
Concen: 5.202 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

Tgt Ion: 106 Resp: 115034
Ion Ratio Lower Upper
106 100
91 206.5 146.3 271.7





#54

o-Xylene

Concen: 5.184 ug/L

RT: 10.095 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054208.D

Acq: 19 May 2023 09:22

Instrument :

MSVOA_U

ClientSampleId :

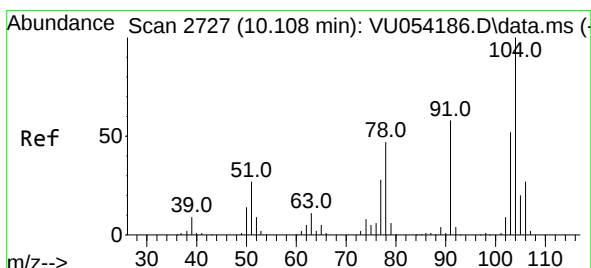
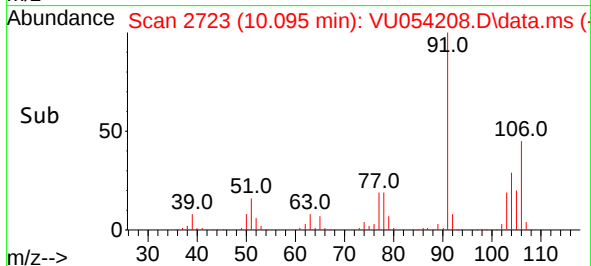
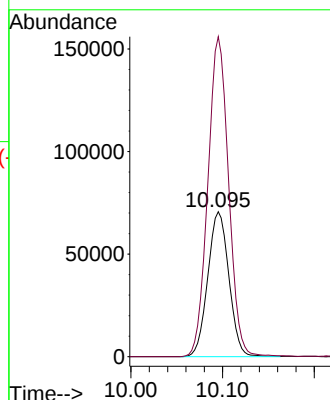
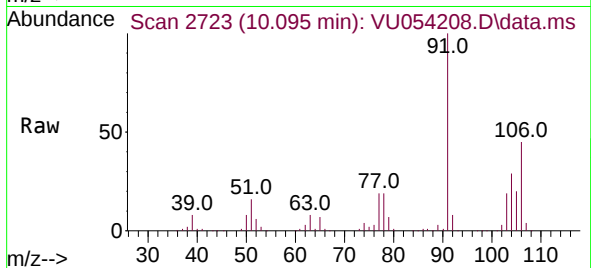
VSTD005168

Tgt Ion:106 Resp: 113198

Ion Ratio Lower Upper

106 100

91 220.8 153.6 285.3



#55

Styrene

Concen: 5.223 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.000 min

Lab File: VU054208.D

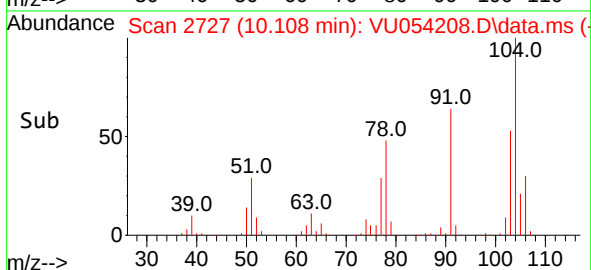
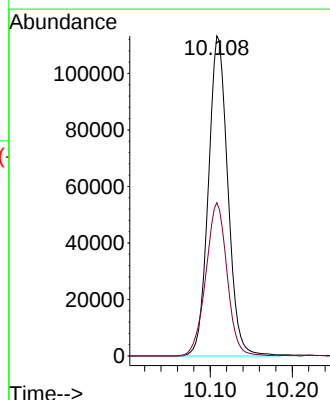
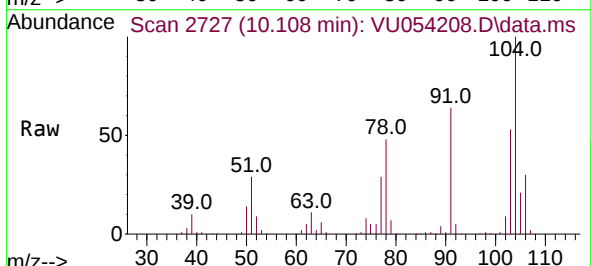
Acq: 19 May 2023 09:22

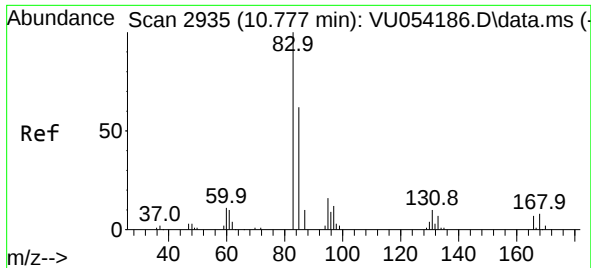
Tgt Ion:104 Resp: 186480

Ion Ratio Lower Upper

104 100

78 47.9 33.1 61.5

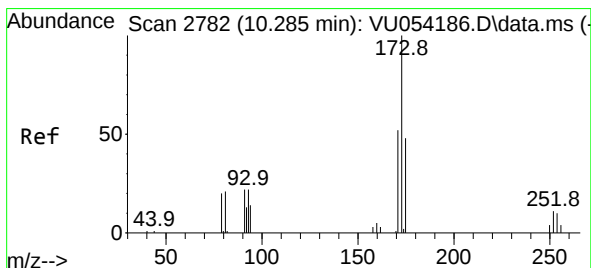
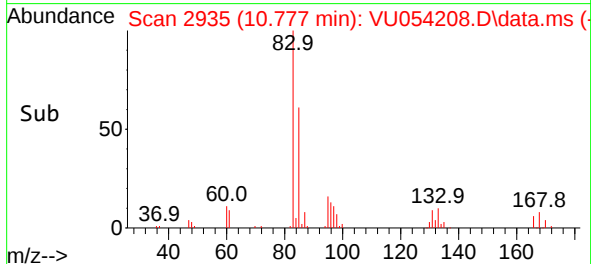
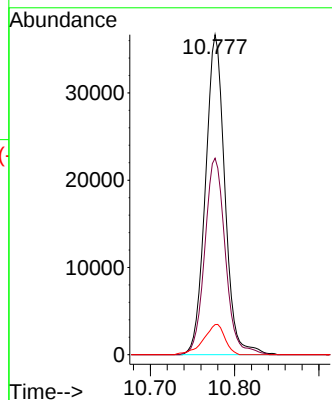
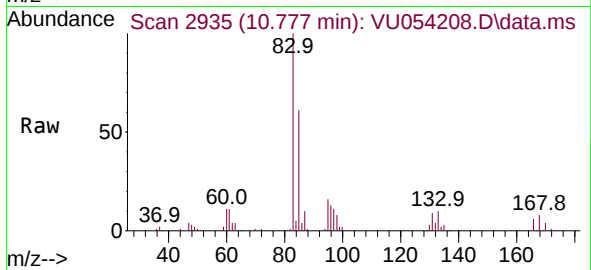




#57
1,1,2,2-Tetrachloroethane
Concen: 5.292 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

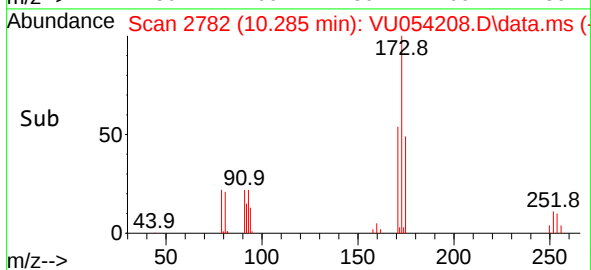
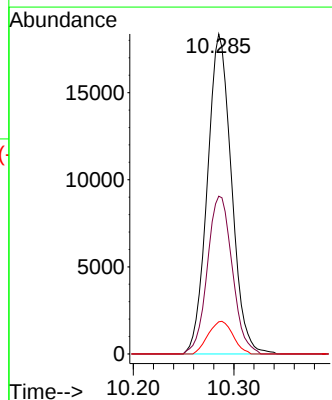
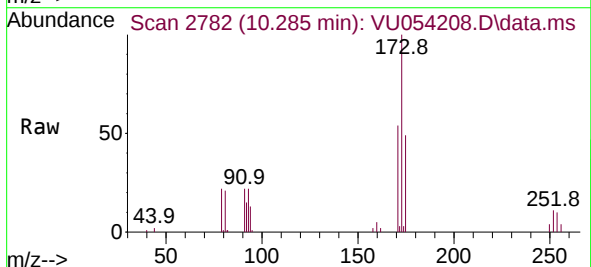
Instrument :
MSVOA_U
ClientSampleId :
VSTD005168

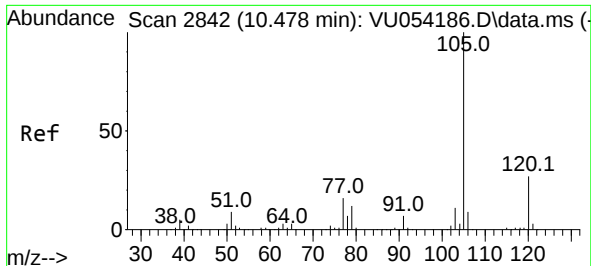
Tgt Ion: 83 Resp: 58795
Ion Ratio Lower Upper
83 100
85 61.4 44.8 83.2
131 9.4 8.1 12.1



#59
Bromoform
Concen: 4.995 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

Tgt Ion: 173 Resp: 30584
Ion Ratio Lower Upper
173 100
175 50.9 38.6 58.0
254 10.5 7.9 11.9

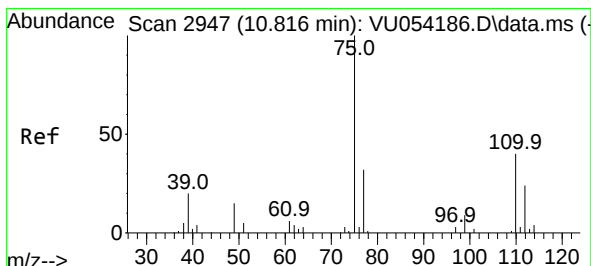
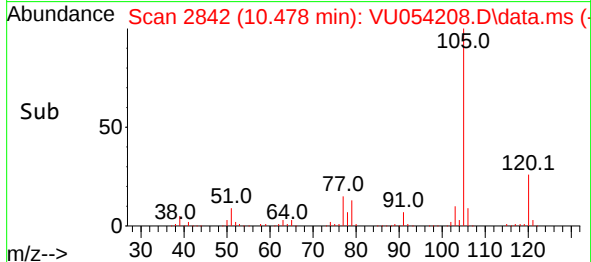
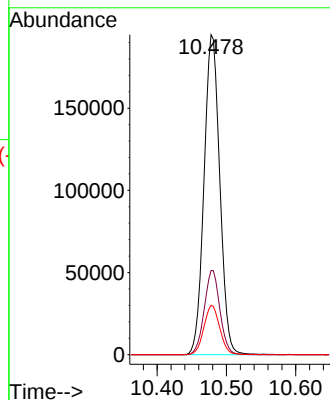
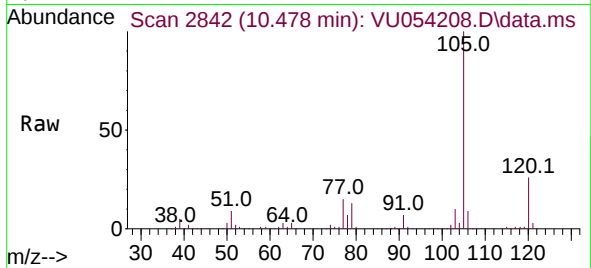




#60
Isopropylbenzene
Concen: 5.282 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

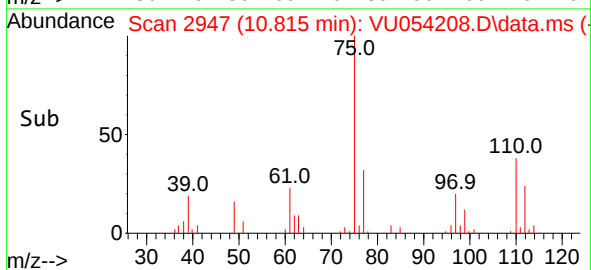
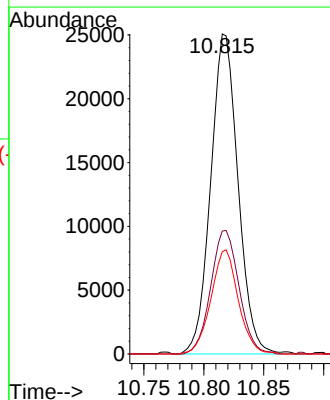
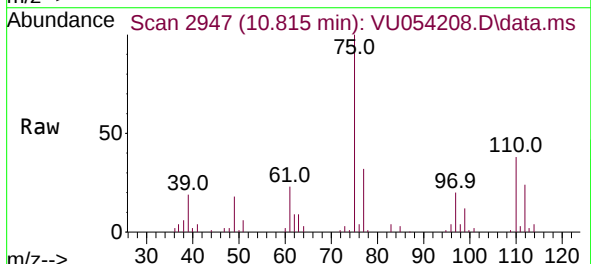
Instrument :
MSVOA_U
ClientSampleId :
VSTD005168

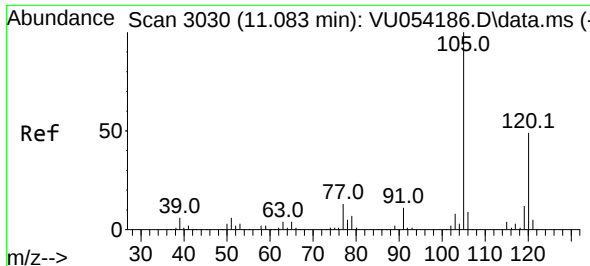
Tgt Ion:105 Resp: 306832
Ion Ratio Lower Upper
105 100
120 26.2 21.3 31.9
77 15.5 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 5.139 ug/L
RT: 10.815 min Scan# 2947
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

Tgt Ion: 75 Resp: 39662
Ion Ratio Lower Upper
75 100
110 39.9 32.3 48.5
77 32.7 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 5.269 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU054208.D

Acq: 19 May 2023 09:22

Instrument :

MSVOA_U

ClientSampleId :

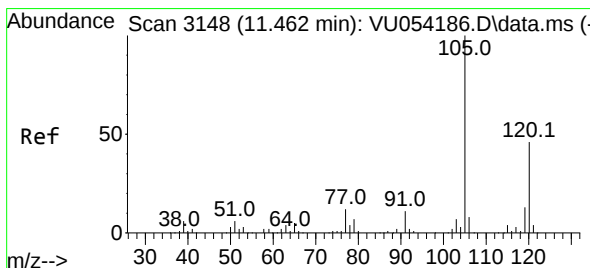
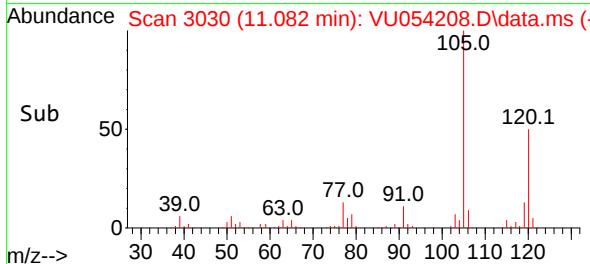
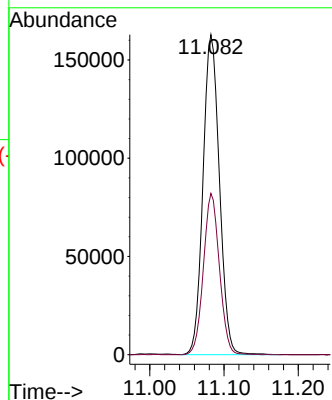
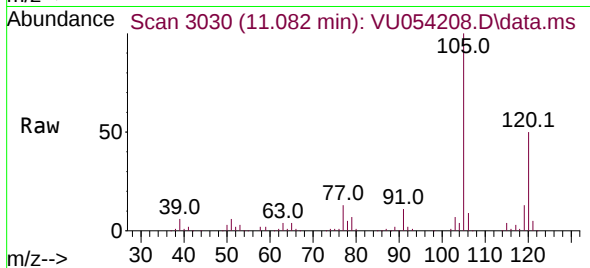
VSTD005168

Tgt Ion:105 Resp: 249854

Ion Ratio Lower Upper

105 100

120 49.1 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 5.446 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU054208.D

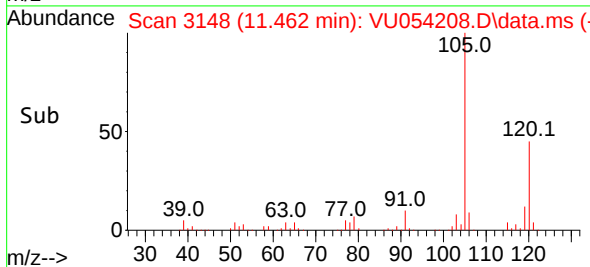
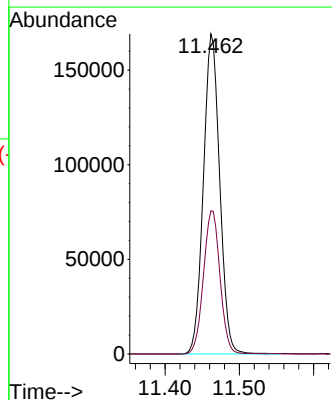
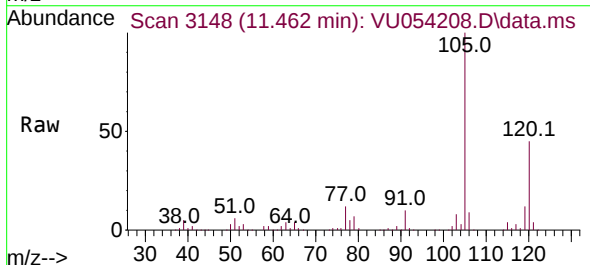
Acq: 19 May 2023 09:22

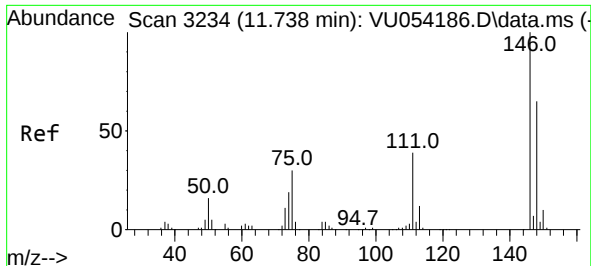
Tgt Ion:105 Resp: 257733

Ion Ratio Lower Upper

105 100

120 45.3 36.9 55.3

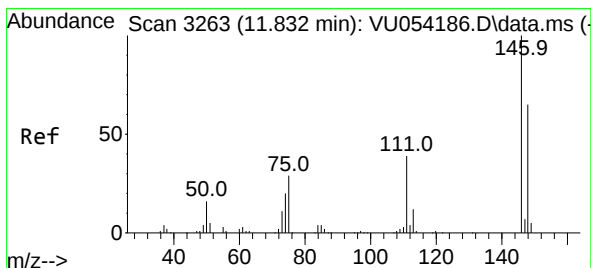
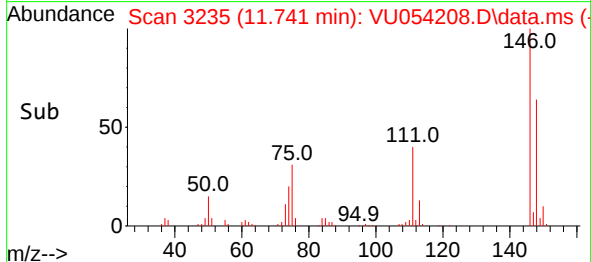
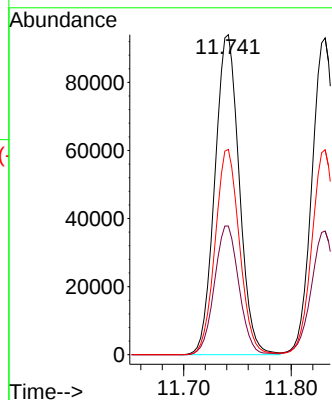
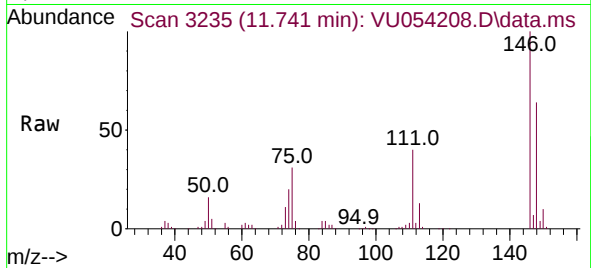




#64
1,3-Dichlorobenzene
Concen: 5.114 ug/L
RT: 11.741 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

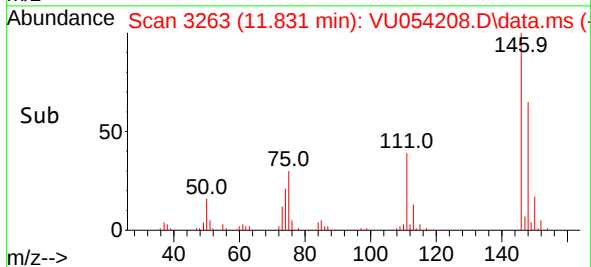
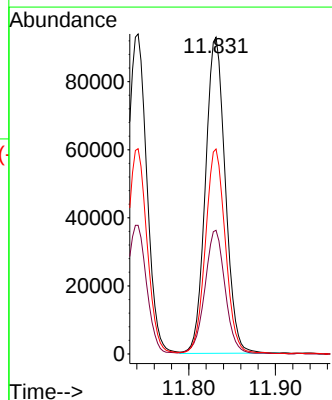
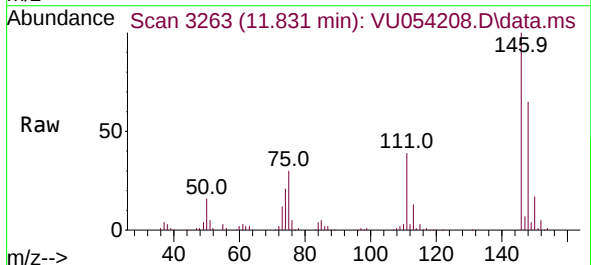
Instrument :
MSVOA_U
ClientSampleId :
VSTD005168

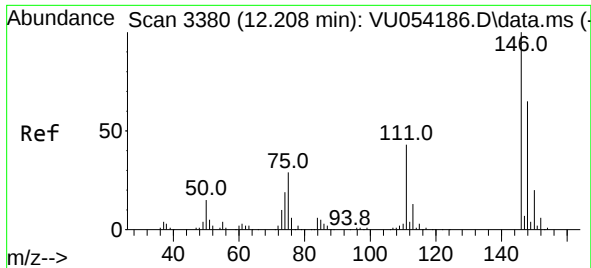
Tgt Ion:146 Resp: 148286
Ion Ratio Lower Upper
146 100
111 40.2 27.8 51.6
148 64.2 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 5.142 ug/L
RT: 11.831 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

Tgt Ion:146 Resp: 148119
Ion Ratio Lower Upper
146 100
111 39.1 26.6 49.4
148 64.7 43.8 81.3

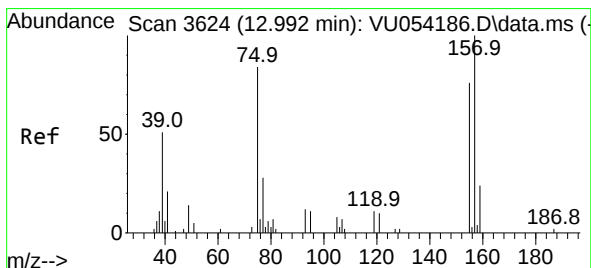
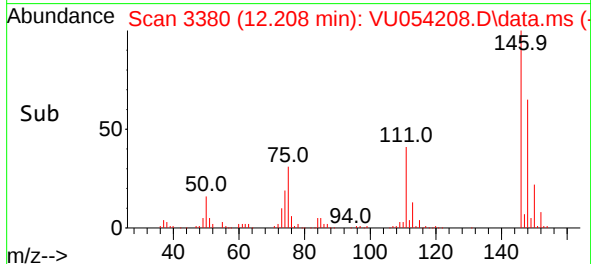
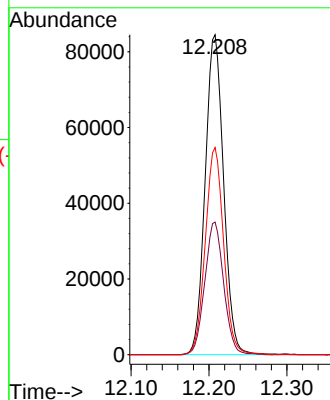
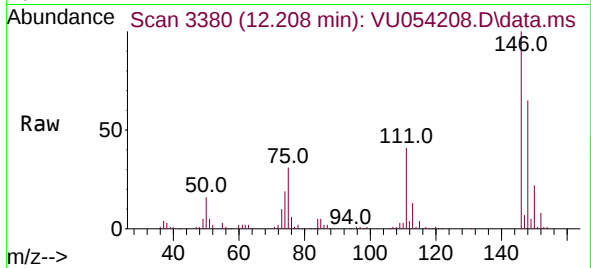




#67
1,2-Dichlorobenzene
Concen: 5.212 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

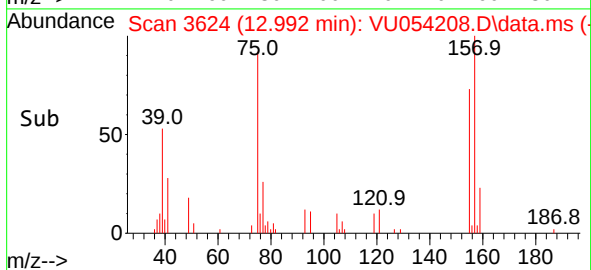
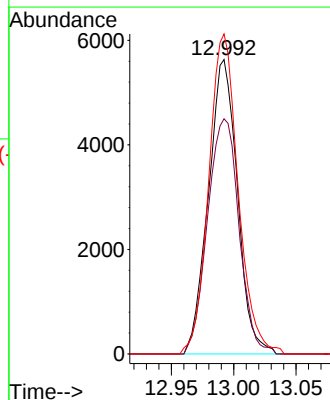
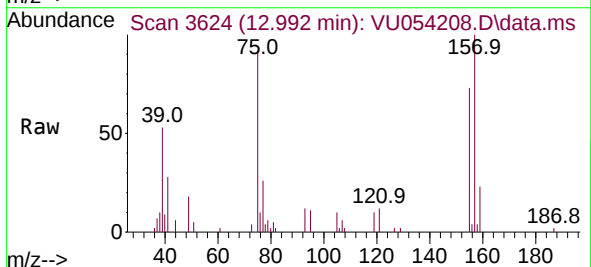
Instrument :
MSVOA_U
ClientSampleId :
VSTD005168

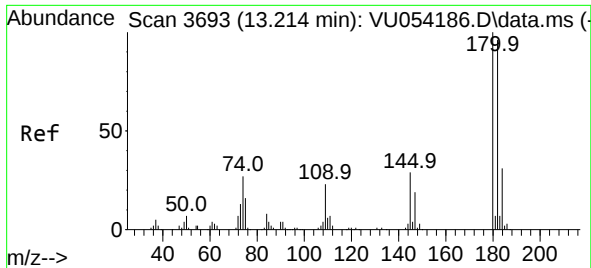
Tgt Ion:146 Resp: 138674
Ion Ratio Lower Upper
146 100
111 41.4 33.0 49.4
148 64.8 50.5 75.7



#68
1,2-Dibromo-3-chloropropane
Concen: 5.523 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

Tgt Ion: 75 Resp: 9114
Ion Ratio Lower Upper
75 100
155 79.9 62.7 94.1
157 108.7 77.0 115.4

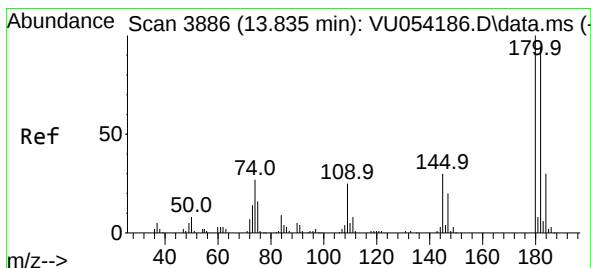
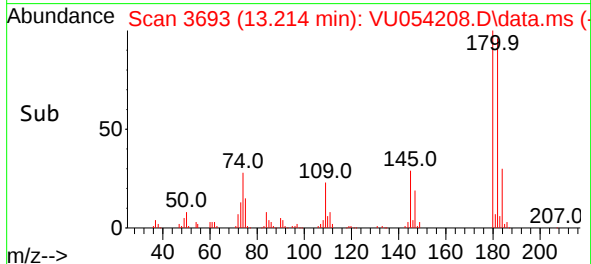
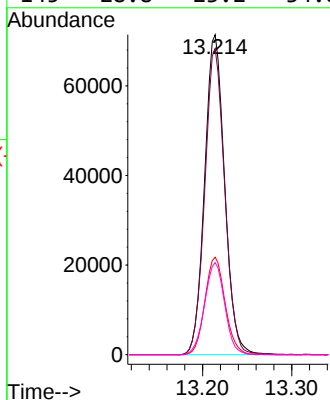
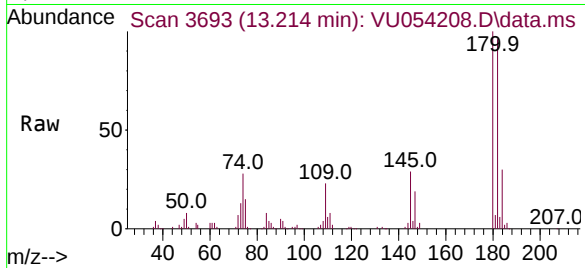




#69
 1,3,5-Trichlorobenzene
 Concen: 5.154 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU054208.D
 Acq: 19 May 2023 09:22

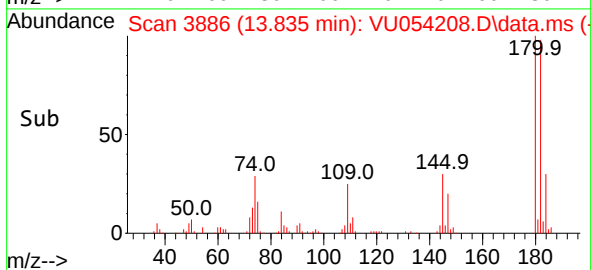
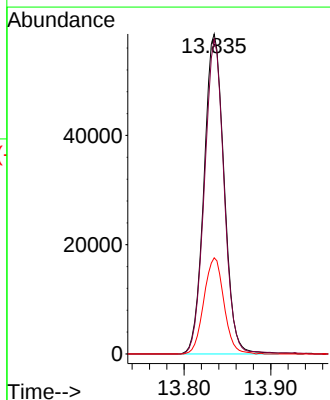
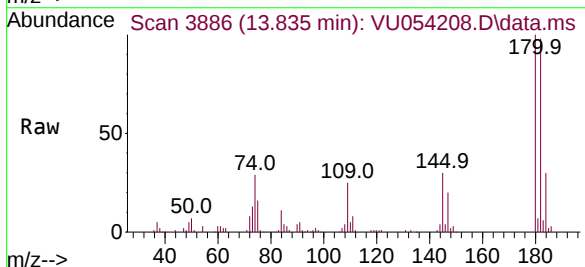
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 ClientSampleId :
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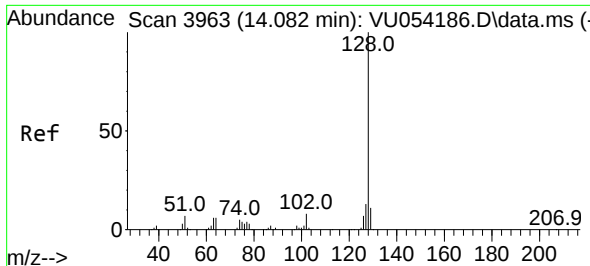
Tgt Ion:180 Resp: 111487
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.1 114.1
 184 30.6 24.5 36.7
 145 28.8 23.2 34.8



#70
 1,2,4-trichlorobenzene
 Concen: 5.264 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU054208.D
 Acq: 19 May 2023 09:22

Tgt Ion:180 Resp: 94275
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.4 114.6
 145 30.0 23.3 34.9

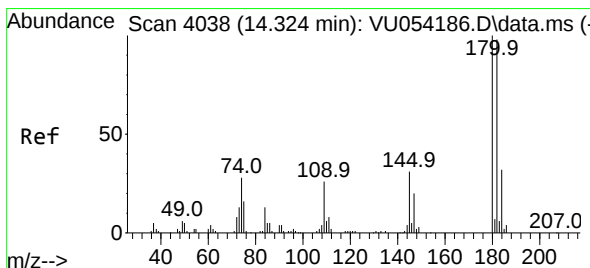
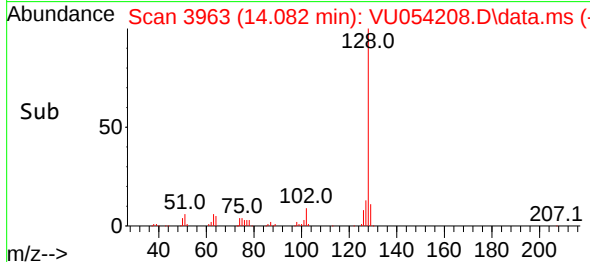
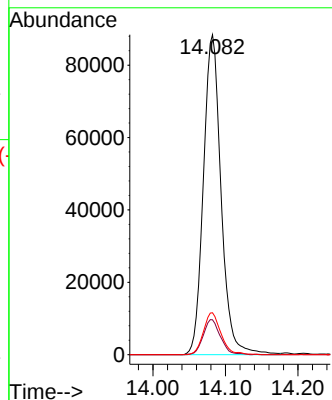
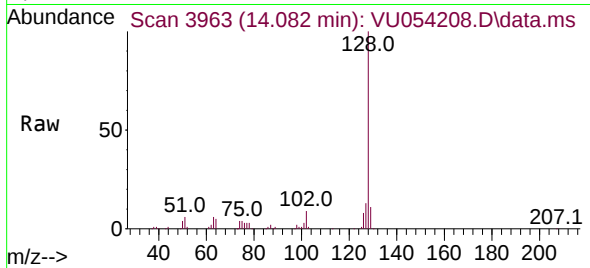




#71
Naphthalene
Concen: 5.788 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD005168

Tgt Ion:128 Resp: 149965
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.6
127 13.0 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 5.696 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.000 min
Lab File: VU054208.D
Acq: 19 May 2023 09:22

Tgt Ion:180 Resp: 86346
Ion Ratio Lower Upper
180 100
182 95.2 76.4 114.6
145 31.2 25.1 37.7

