

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
 Data File : VU053448.D
 Acq On : 28 Mar 2023 20:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050176

Quant Time: Mar 29 01:16:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 29 01:10:06 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	213070	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	203547	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	104667	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	96238	48.959	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.920%
7) Chloroethane-d5	1.912	69	74631	46.938	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.880%
11) 1,1-Dichloroethene-d2	2.568	63	152217	44.701	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.400%
21) 2-Butanone-d5	4.623	46	110391	121.083	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.080%
24) Chloroform-d	5.057	84	151346	46.746	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.500%
26) 1,2-Dichloroethane-d4	5.697	65	97943	48.711	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.420%
32) Benzene-d6	5.722	84	302023	45.746	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.500%
36) 1,2-Dichloropropane-d6	6.684	67	102081	47.907	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.820%
41) Toluene-d8	7.893	98	278402	45.292	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.580%
43) trans-1,3-Dichloroprop...	8.176	79	47720	45.391	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.780%
47) 2-Hexanone-d5	8.629	63	64774	97.234	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.230%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	140854	51.029	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.060%
66) 1,2-Dichlorobenzene-d4	12.188	152	105542	52.077	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	91048	40.938	ug/L	99
3) Chloromethane	1.520	50	99127	48.370	ug/L	100
5) Vinyl chloride	1.604	62	103293	46.076	ug/L	100
6) Bromomethane	1.858	94	61445	45.598	ug/L	97
8) Chloroethane	1.932	64	61605	46.522	ug/L	98
9) Trichlorofluoromethane	2.137	101	125119	44.732	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	74497	44.029	ug/L	94
12) 1,1-Dichloroethene	2.578	96	67352	43.043	ug/L	91
13) Acetone	2.633	43	76753	73.918	ug/L	92
14) Carbon disulfide	2.793	76	184997	39.034	ug/L	99
15) Methyl Acetate	2.948	43	85505	60.078	ug/L	94
16) Methylene chloride	3.044	84	80667	42.494	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	69434	43.733	ug/L	96
18) Methyl tert-butyl Ether	3.356	73	243914	45.688	ug/L	97
19) 1,1-Dichloroethane	3.864	63	145896	45.017	ug/L	100
20) cis-1,2-Dichloroethene	4.661	96	83522	44.789	ug/L	99
22) 2-Butanone	4.700	43	119612	101.113	ug/L	91
23) Bromochloromethane	4.967	128	41723	46.924	ug/L	91
25) Chloroform	5.083	83	148688	45.848	ug/L	99

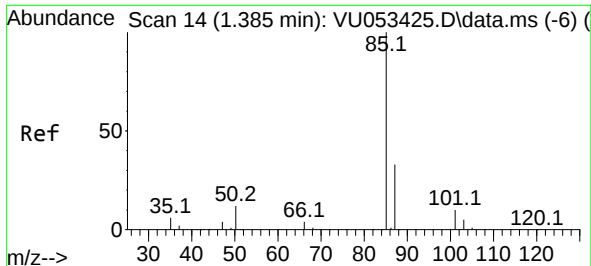
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	119189	46.557	ug/L	100
29) Cyclohexane	5.385	56	127420	42.012	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	121710	43.868	ug/L	99
31) Carbon tetrachloride	5.520	117	96372	42.398	ug/L	96
33) Benzene	5.771	78	315117	44.654	ug/L	100
34) Trichloroethene	6.536	95	80727	43.873	ug/L	93
35) Methylcyclohexane	6.758	83	125984	39.061	ug/L	96
37) 1,2-Dichloropropane	6.787	63	90948	46.194	ug/L	99
38) Bromodichloromethane	7.102	83	107767	43.984	ug/L	97
39) cis-1,3-Dichloropropene	7.603	75	139837	43.231	ug/L	100
40) 4-Methyl-2-pentanone	7.784	43	242861	120.012	ug/L	93
42) Toluene	7.964	91	340094	44.828	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	129723	43.873	ug/L	97
45) 1,1,2-Trichloroethane	8.394	97	84819	47.313	ug/L	98
46) Tetrachloroethene	8.549	164	57223	47.801	ug/L	97
48) 2-Hexanone	8.677	43	187899	110.882	ug/L	94
49) Dibromochloromethane	8.803	129	79090	43.128	ug/L	99
50) 1,2-Dibromoethane	8.918	107	90402	47.325	ug/L	96
51) Chlorobenzene	9.443	112	214705	45.408	ug/L	99
52) Ethylbenzene	9.565	91	380530	44.230	ug/L	99
53) m,p-Xylene	9.690	106	139432	43.422	ug/L	98
54) o-Xylene	10.095	106	139905	44.052	ug/L	99
55) Styrene	10.108	104	241350	45.597	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	144219	49.067	ug/L	98
59) Bromoform	10.285	173	59665	50.092	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	108355	52.098	ug/L	98
61) Isopropylbenzene	10.478	105	372990	45.102	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	302993	44.262	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	295334	44.262	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	170771	49.237	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	171459	49.244	ug/L	94
67) 1,2-Dichlorobenzene	12.208	146	168948	48.737	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.989	75	28596	49.721	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	117140	53.271	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	109515	55.428	ug/L	97
71) Naphthalene	14.082	128	376058	56.469	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	109435	58.406	ug/L	98

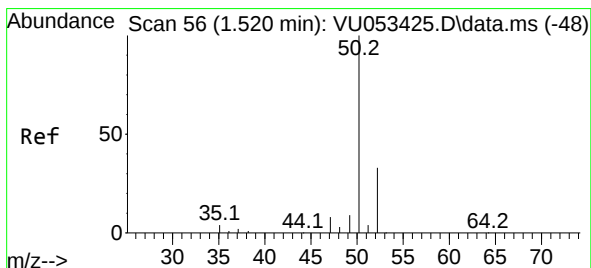
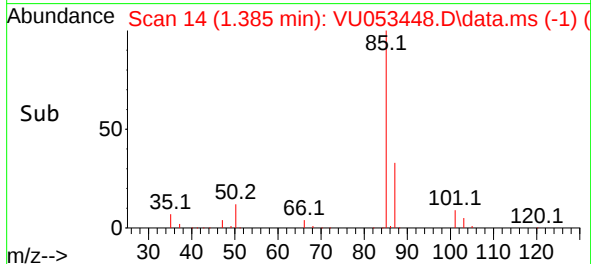
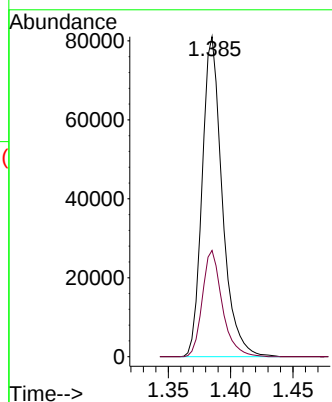
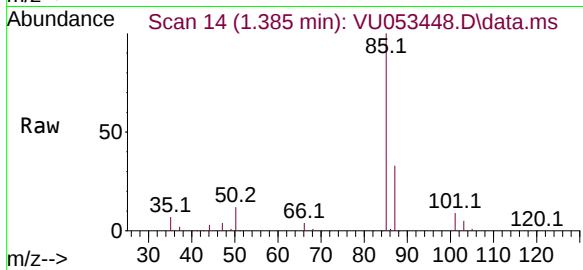
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 40.938 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

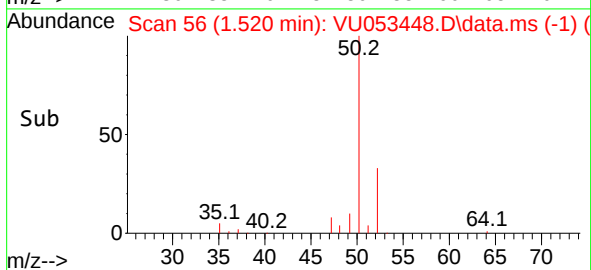
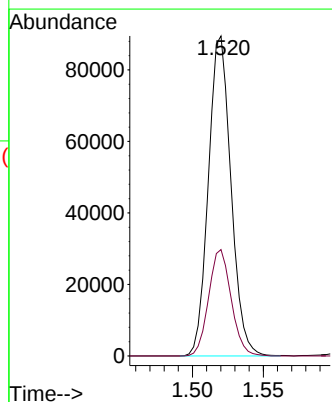
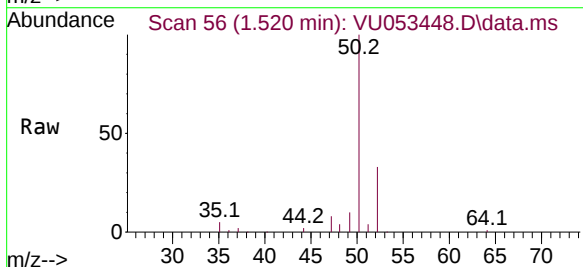
Instrument :
MSVOA_U
ClientSampleId :
VSTD050176

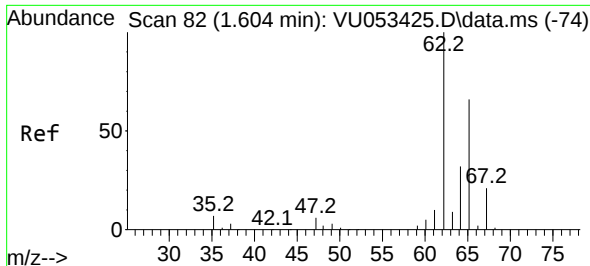
Tgt Ion: 85 Resp: 91048
Ion Ratio Lower Upper
85 100
87 32.8 25.8 38.8



#3
Chloromethane
Concen: 48.370 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

Tgt Ion: 50 Resp: 99127
Ion Ratio Lower Upper
50 100
52 33.2 23.4 43.4

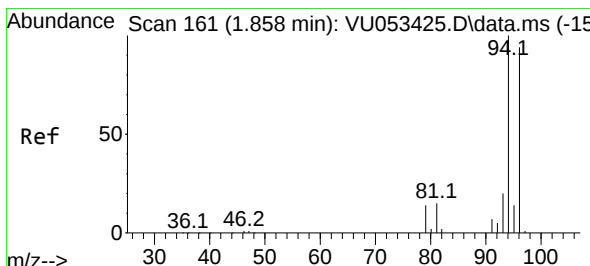
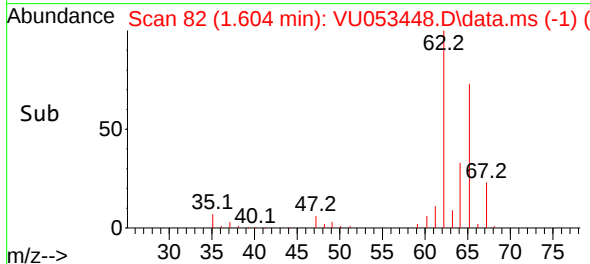
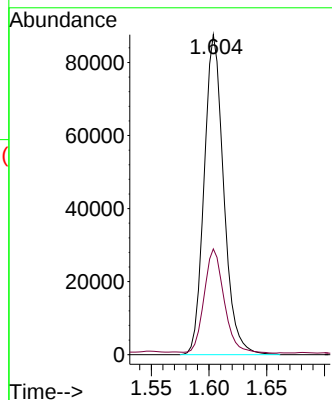
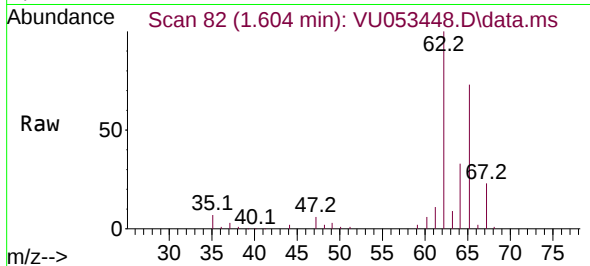




#5
 Vinyl chloride
 Concen: 46.076 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VU053448.D
 Acq: 28 Mar 2023 20:58

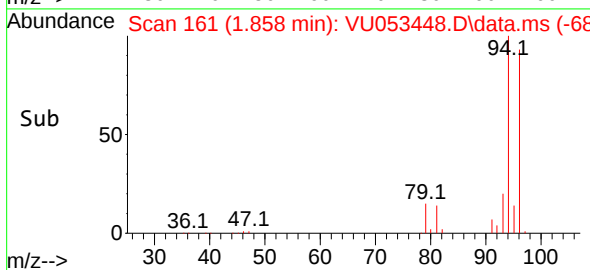
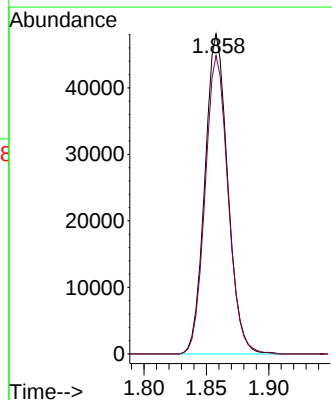
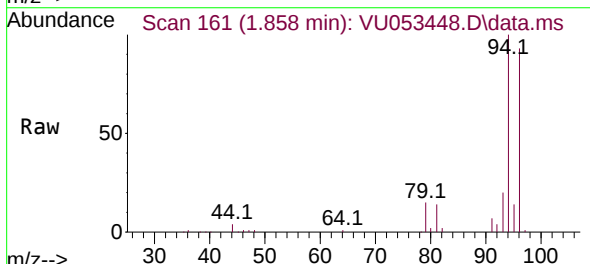
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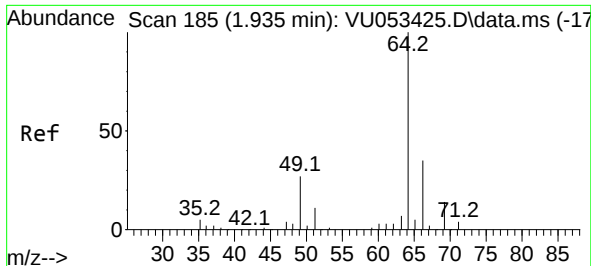
Tgt Ion: 62 Resp: 103293
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.2 43.0



#6
 Bromomethane
 Concen: 45.598 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU053448.D
 Acq: 28 Mar 2023 20:58

Tgt Ion: 94 Resp: 61445
 Ion Ratio Lower Upper
 94 100
 96 93.2 67.5 125.3

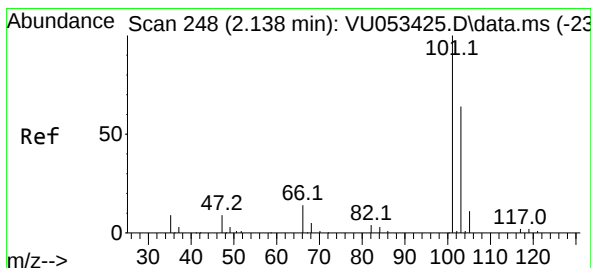
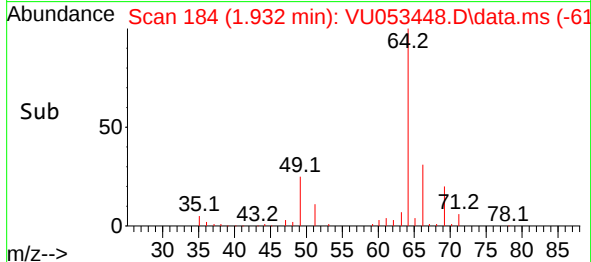
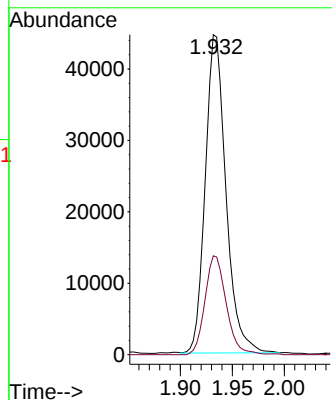
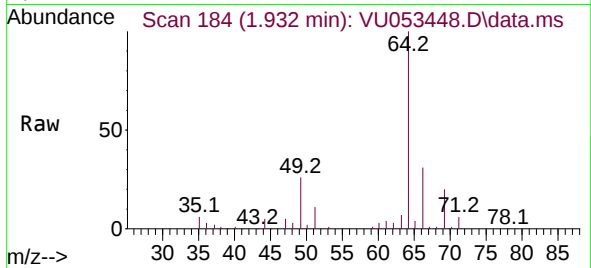




#8
Chloroethane
Concen: 46.522 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.003 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

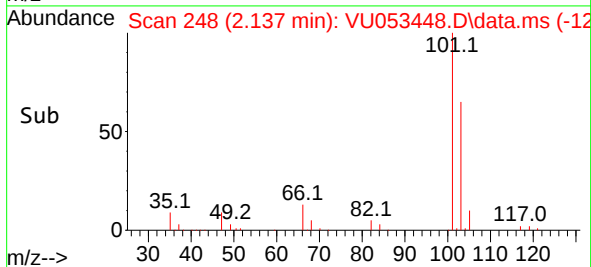
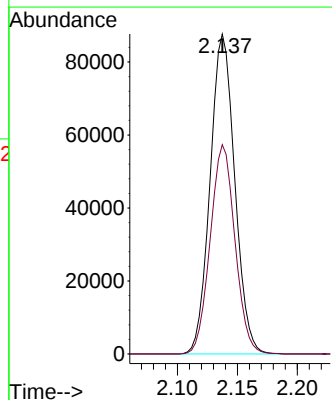
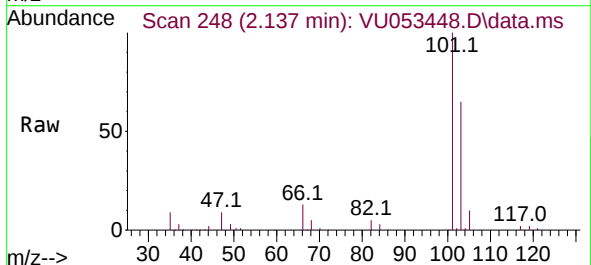
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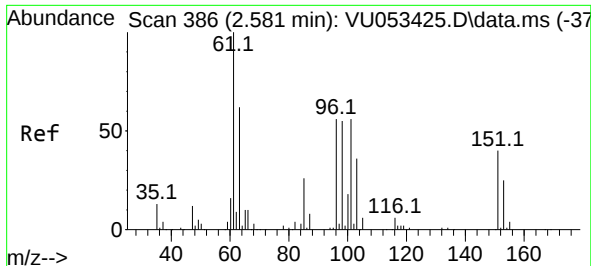
Tgt Ion: 64 Resp: 61605
Ion Ratio Lower Upper
64 100
66 30.9 22.6 42.0



#9
Trichlorofluoromethane
Concen: 44.732 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

Tgt Ion:101 Resp: 125119
Ion Ratio Lower Upper
101 100
103 65.6 52.0 78.0

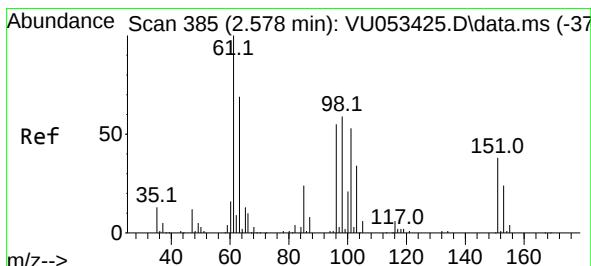
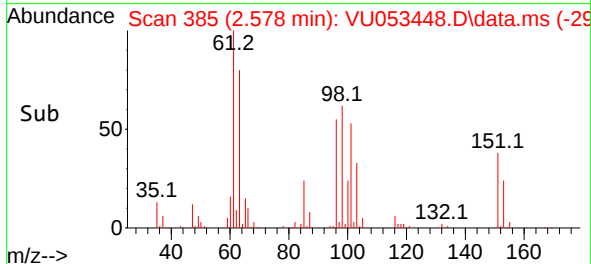
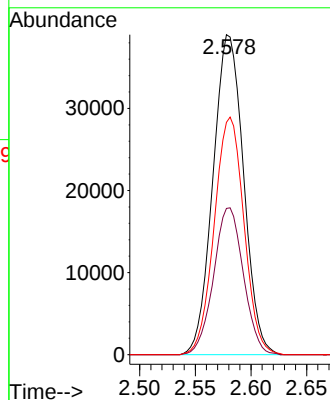
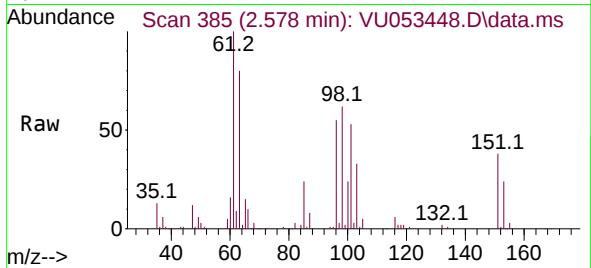




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 44.029 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

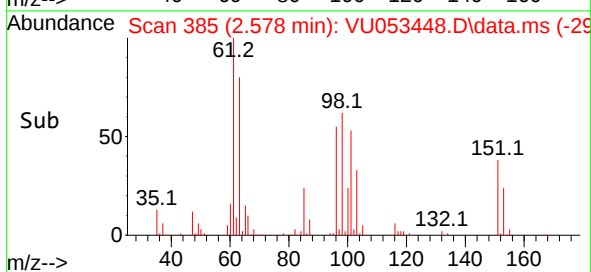
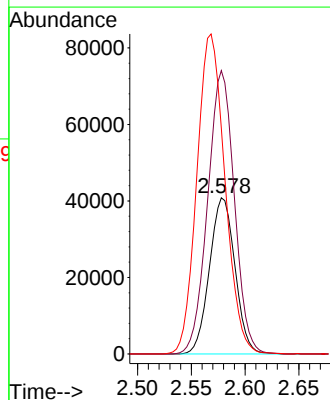
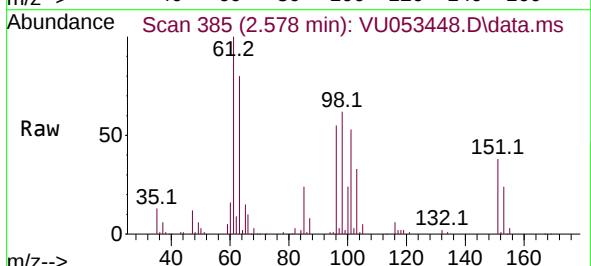
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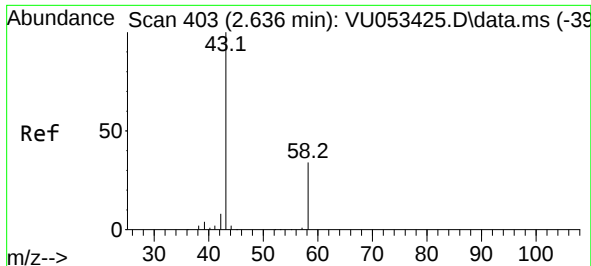
Tgt Ion:101 Resp: 74497
Ion Ratio Lower Upper
101 100
85 44.7 37.0 55.6
151 72.2 52.9 79.3



#12
1,1-Dichloroethene
Concen: 43.043 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

Tgt Ion: 96 Resp: 67352
Ion Ratio Lower Upper
96 100
61 181.5 122.2 226.9
63 144.6 89.9 166.9





#13

Acetone

Concen: 73.918 ug/L

RT: 2.633 min Scan# 403

Delta R.T. -0.003 min

Lab File: VU053448.D

Acq: 28 Mar 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

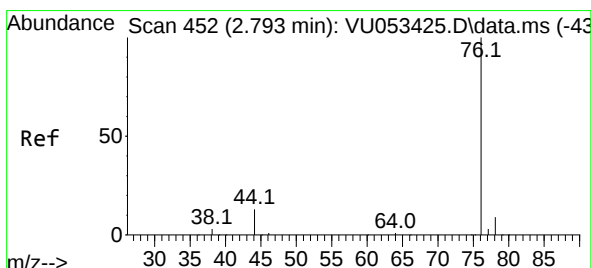
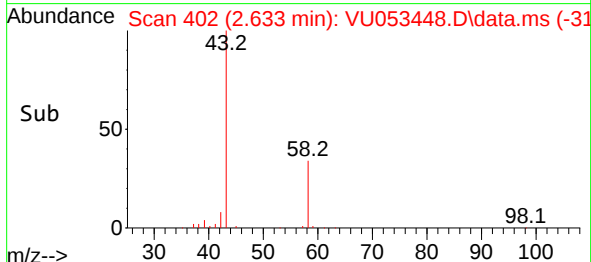
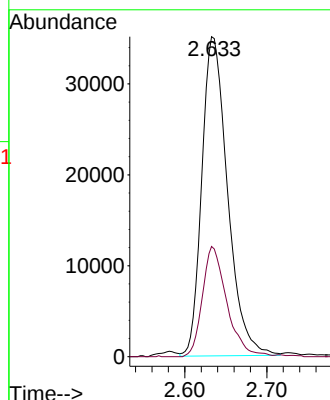
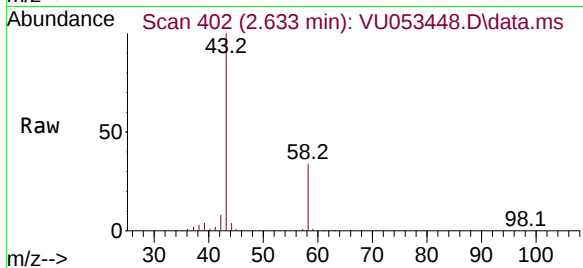
VSTD050176

Tgt Ion: 43 Resp: 76753

Ion Ratio Lower Upper

43 100

58 32.7 0.0 75.0



#14

Carbon disulfide

Concen: 39.034 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU053448.D

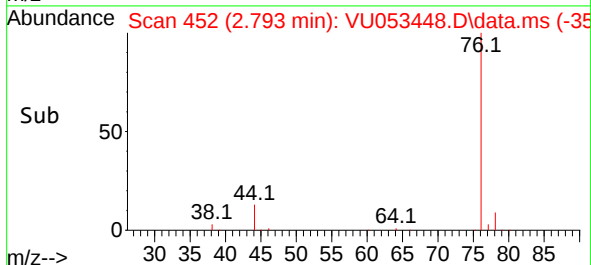
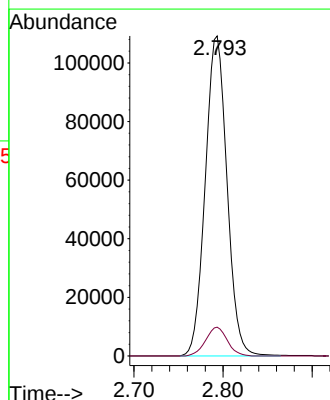
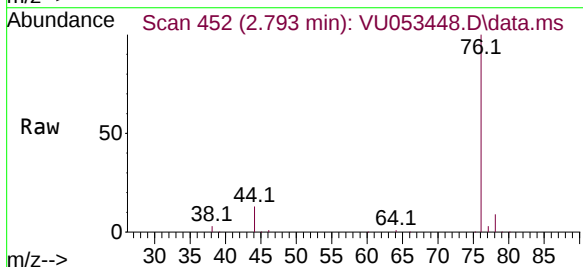
Acq: 28 Mar 2023 20:58

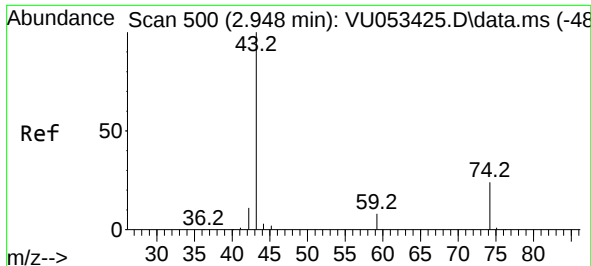
Tgt Ion: 76 Resp: 184997

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6

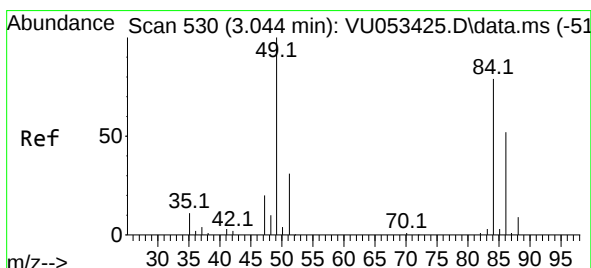
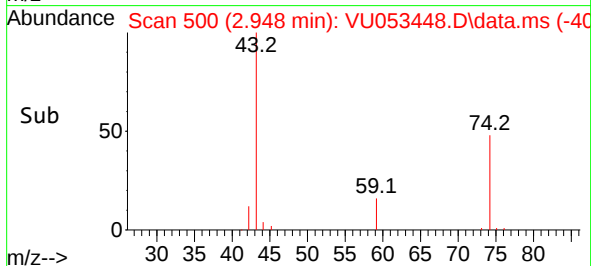
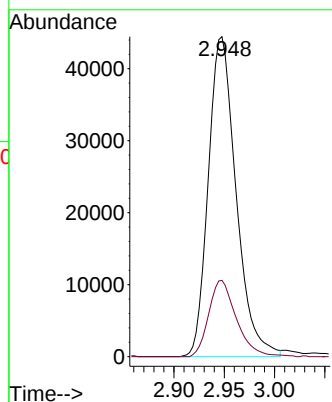
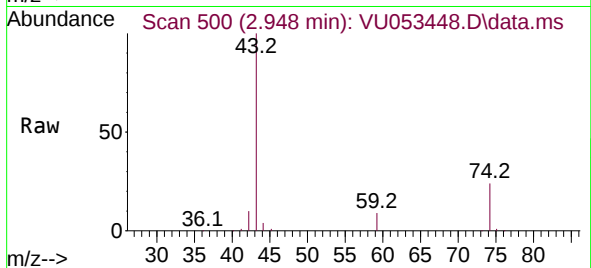




#15
Methyl Acetate
Concen: 60.078 ug/L
RT: 2.948 min Scan# 500
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

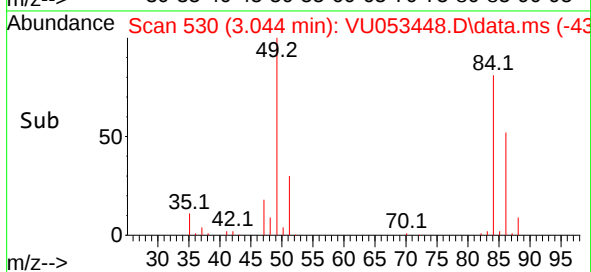
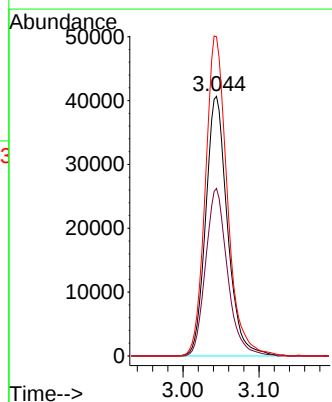
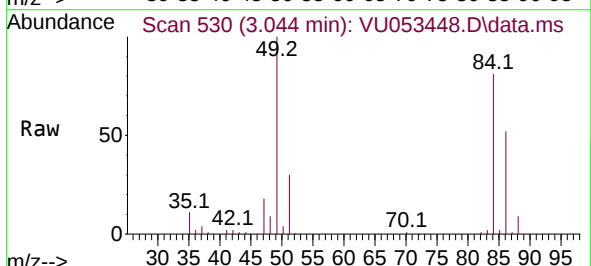
Instrument :
MSVOA_U
ClientSampleId :
VSTD050176

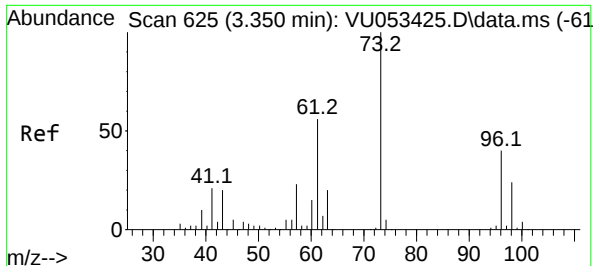
Tgt Ion: 43 Resp: 85505
Ion Ratio Lower Upper
43 100
74 23.8 21.4 32.0



#16
Methylene chloride
Concen: 42.494 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

Tgt Ion: 84 Resp: 80667
Ion Ratio Lower Upper
84 100
86 64.5 44.4 82.4
49 122.9 81.6 151.6





#17

trans-1,2-Dichloroethene

Concen: 43.733 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU053448.D

Acq: 28 Mar 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD050176

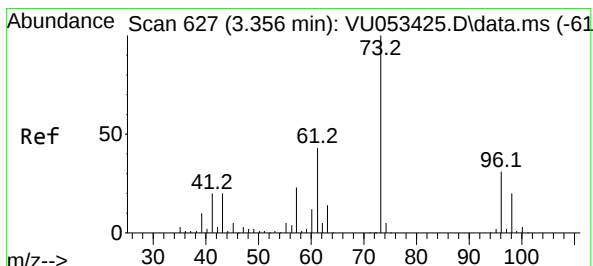
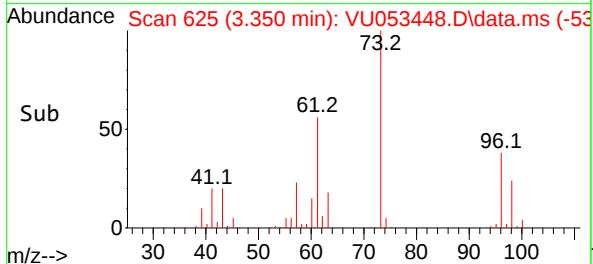
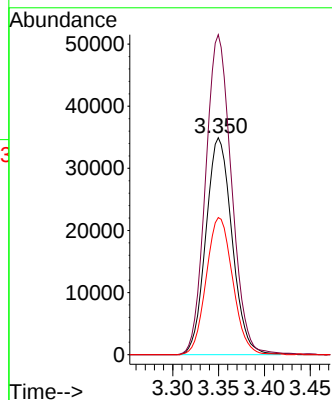
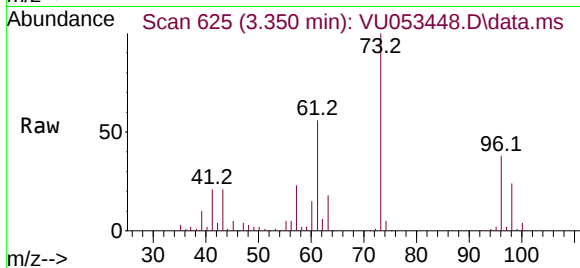
Tgt Ion: 96 Resp: 69434

Ion Ratio Lower Upper

96 100

61 147.5 99.6 185.0

98 63.2 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 45.688 ug/L

RT: 3.356 min Scan# 627

Delta R.T. -0.000 min

Lab File: VU053448.D

Acq: 28 Mar 2023 20:58

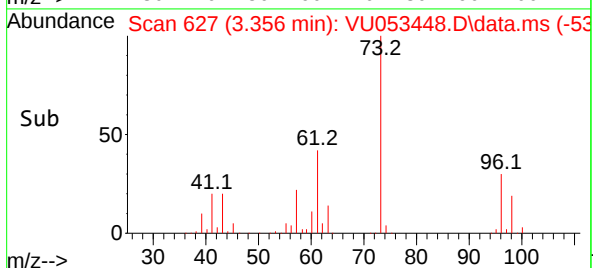
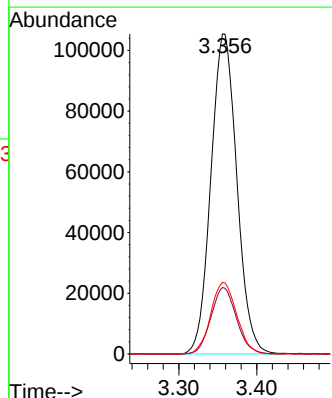
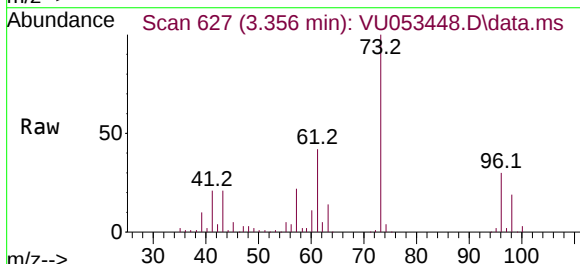
Tgt Ion: 73 Resp: 243914

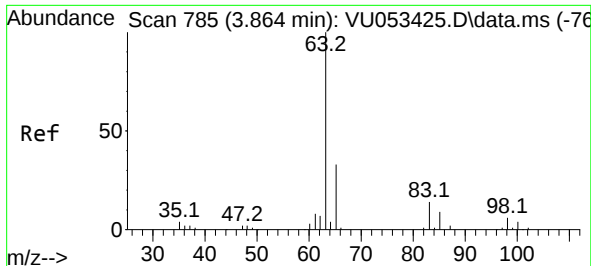
Ion Ratio Lower Upper

73 100

43 20.4 14.2 21.2

57 22.4 18.0 27.0

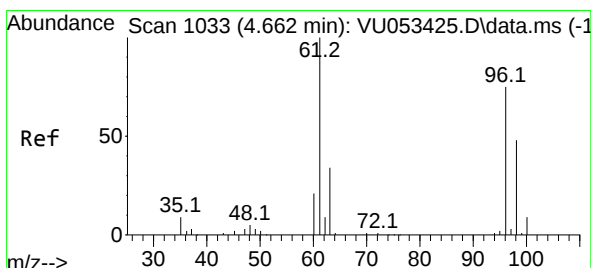
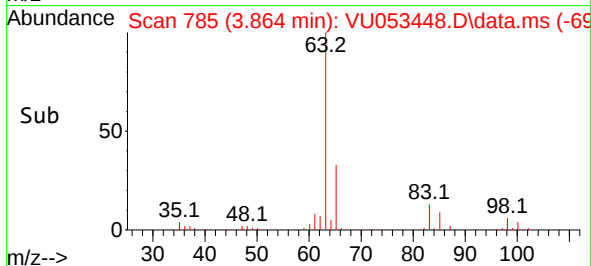
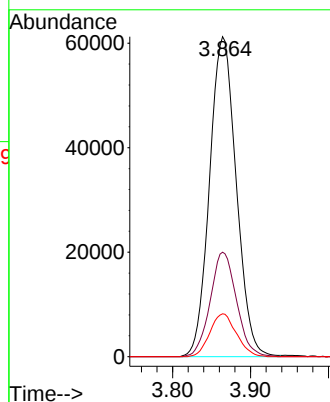
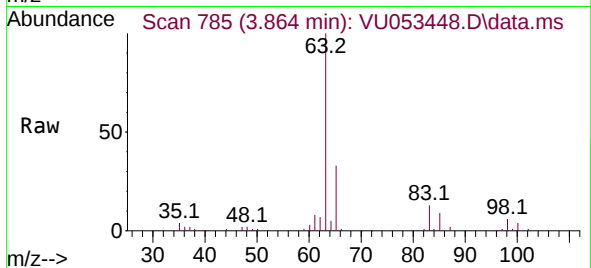




#19
1,1-Dichloroethane
Concen: 45.017 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

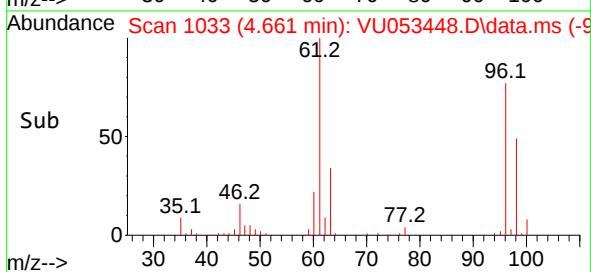
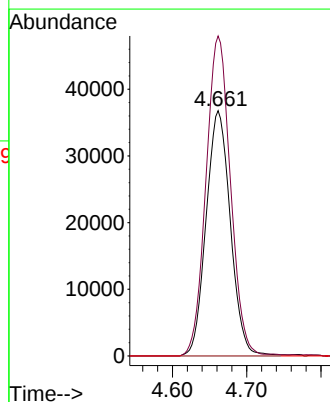
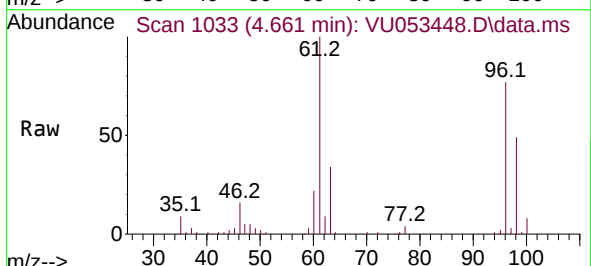
Instrument :
MSVOA_U
ClientSampleId :
VSTD050176

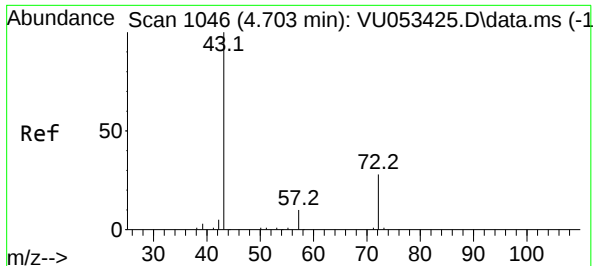
Tgt Ion: 63 Resp: 145896
Ion Ratio Lower Upper
63 100
65 32.7 22.8 42.4
83 13.4 9.4 17.6



#20
cis-1,2-Dichloroethene
Concen: 44.789 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

Tgt Ion: 96 Resp: 83522
Ion Ratio Lower Upper
96 100
61 130.5 92.5 171.7
68 0.0 0.0 0.0

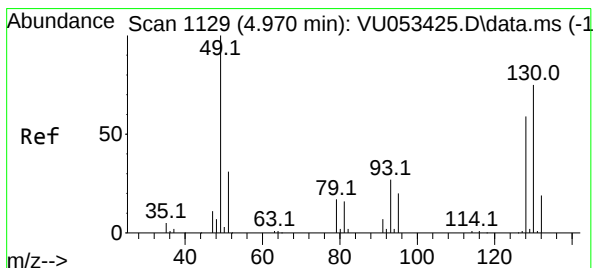
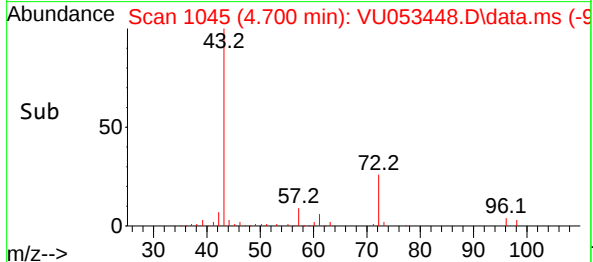
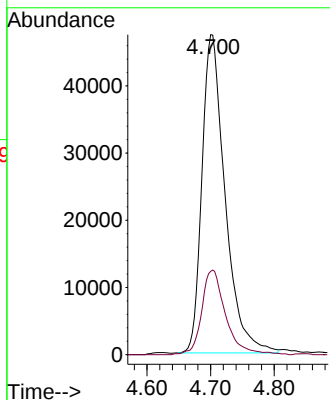
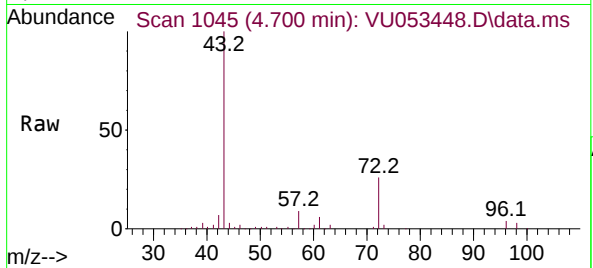




#22
2-Butanone
Concen: 101.113 ug/L
RT: 4.700 min Scan# 110
Delta R.T. -0.003 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

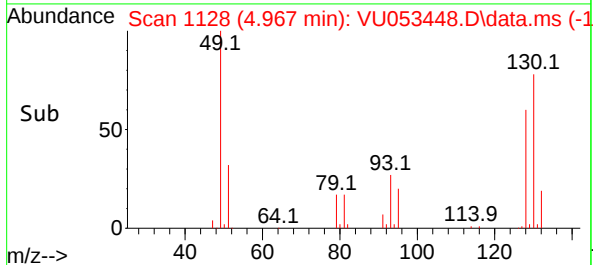
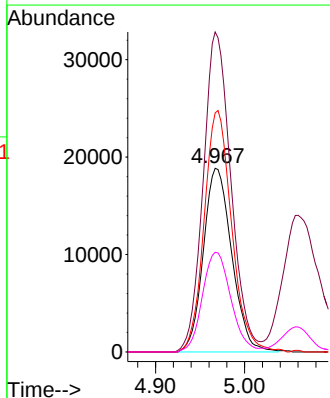
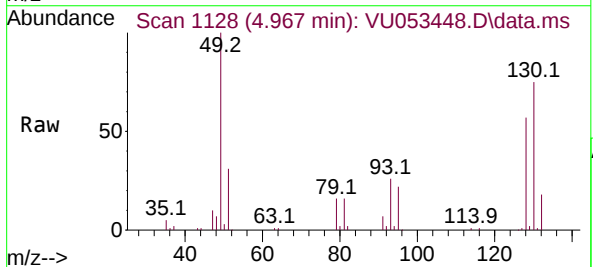
Instrument :
MSVOA_U
ClientSampleId :
VSTD050176

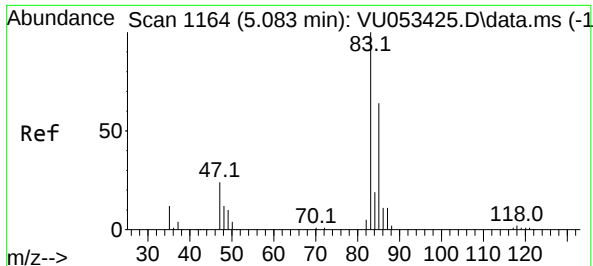
Tgt Ion: 43 Resp: 119612
Ion Ratio Lower Upper
43 100
72 27.1 16.0 47.9



#23
Bromochloromethane
Concen: 46.924 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

Tgt Ion: 128 Resp: 41723
Ion Ratio Lower Upper
128 100
49 174.1 109.9 204.1
130 130.1 87.2 161.9
51 54.2 41.1 61.7

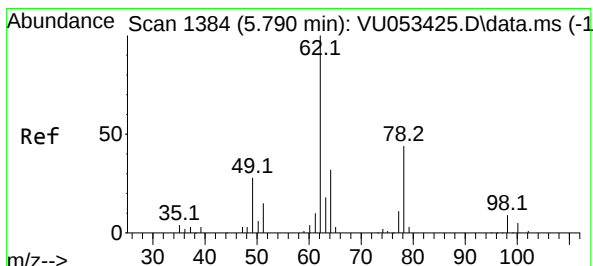
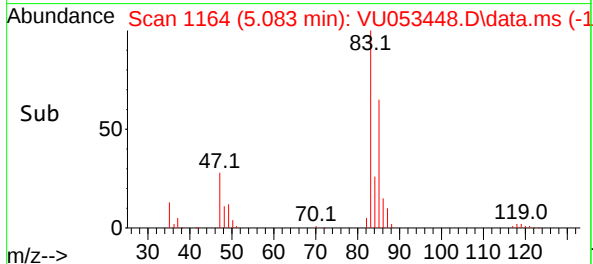
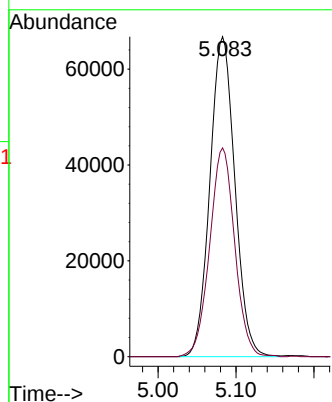
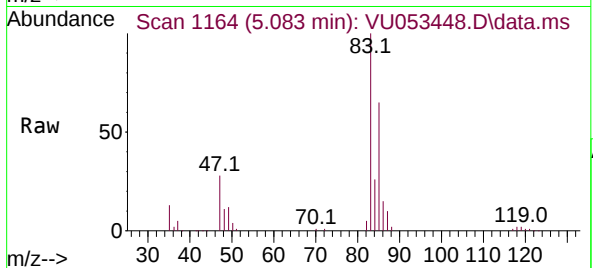




#25
Chloroform
Concen: 45.848 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

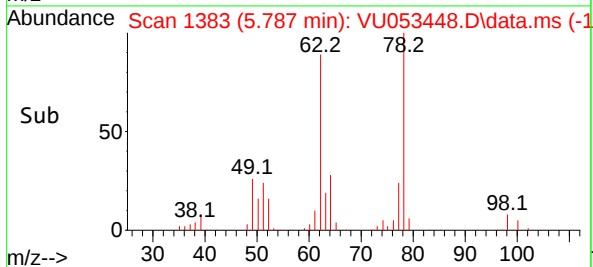
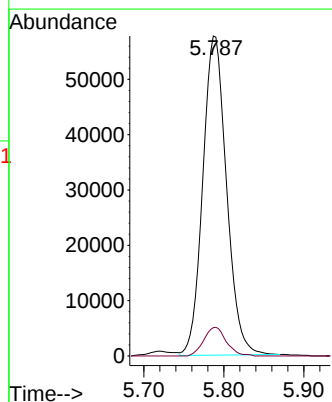
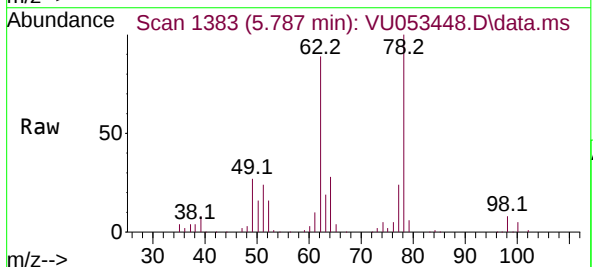
Instrument :
MSVOA_U
ClientSampleId :
VSTD050176

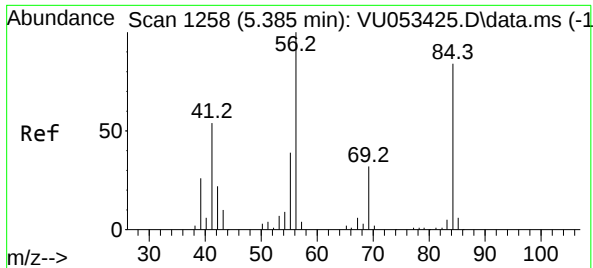
Tgt Ion: 83 Resp: 148688
Ion Ratio Lower Upper
83 100
85 65.3 44.9 83.3



#27
1,2-Dichloroethane
Concen: 46.557 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. -0.003 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

Tgt Ion: 62 Resp: 119189
Ion Ratio Lower Upper
62 100
98 8.9 7.0 10.6





#29

Cyclohexane

Concen: 42.012 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU053448.D

Acq: 28 Mar 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD050176

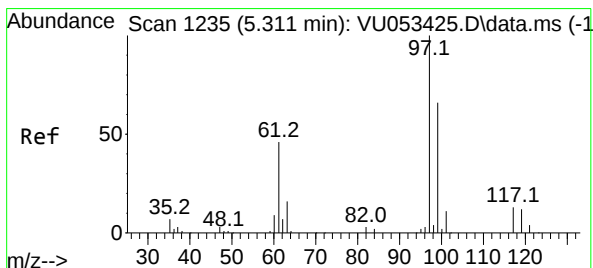
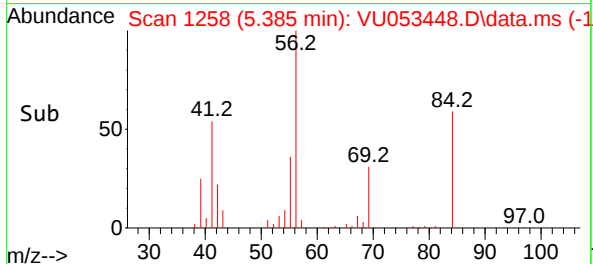
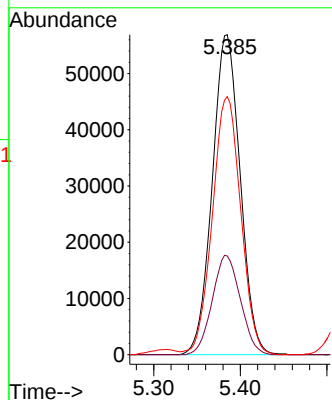
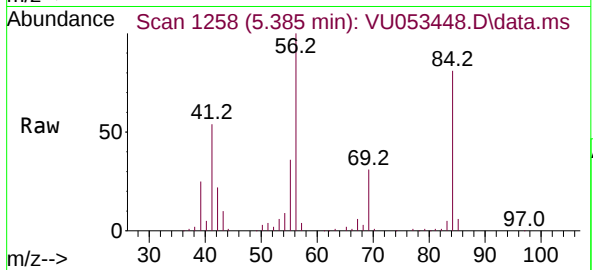
Tgt Ion: 56 Resp: 127420

Ion Ratio Lower Upper

56 100

69 31.2 25.4 38.0

84 82.2 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 43.868 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU053448.D

Acq: 28 Mar 2023 20:58

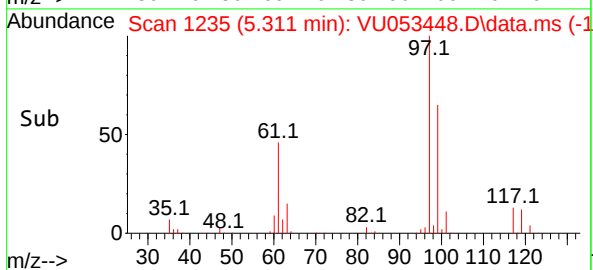
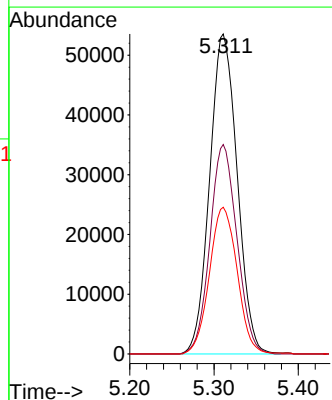
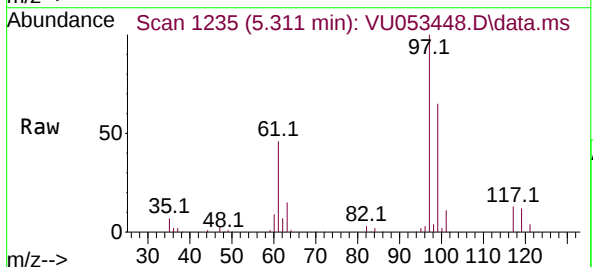
Tgt Ion: 97 Resp: 121710

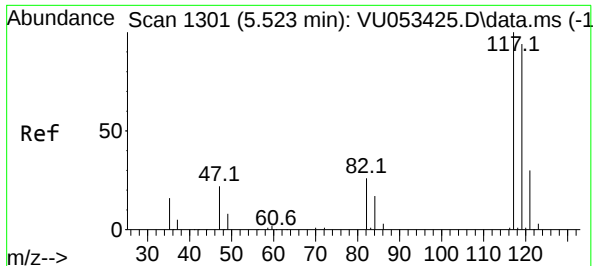
Ion Ratio Lower Upper

97 100

99 64.2 50.6 76.0

61 46.1 36.0 54.0

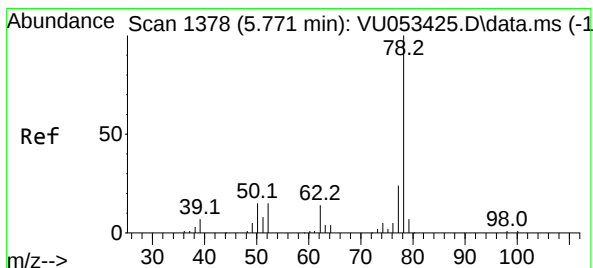
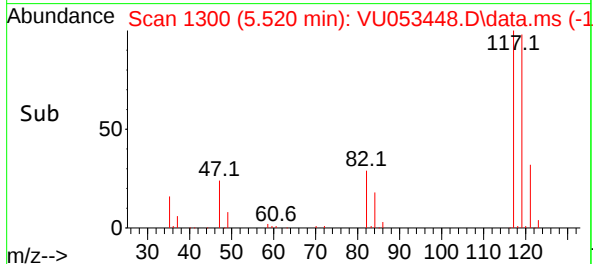
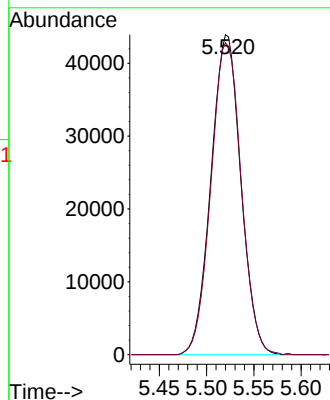
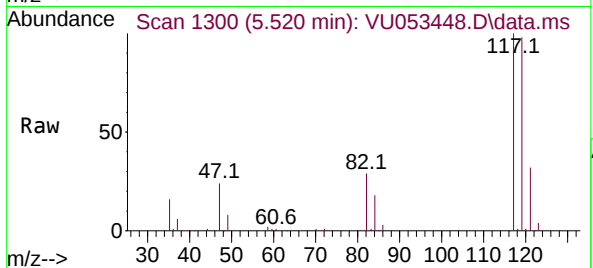




#31
Carbon tetrachloride
Concen: 42.398 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

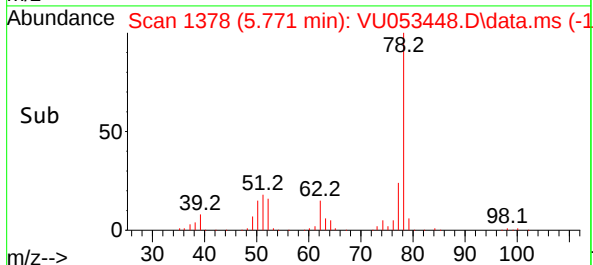
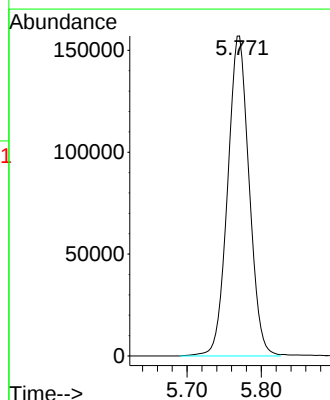
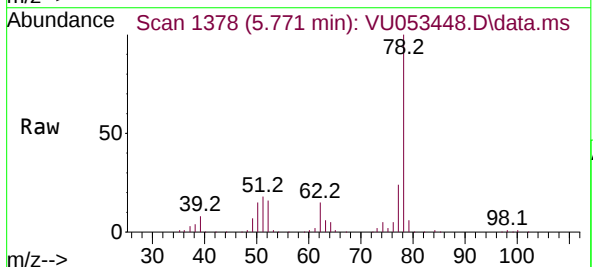
Instrument :
MSVOA_U
ClientSampleId :
VSTD050176

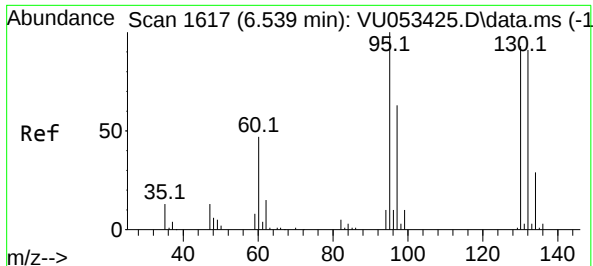
Tgt Ion:117 Resp: 96372
Ion Ratio Lower Upper
117 100
119 98.7 76.2 114.2



#33
Benzene
Concen: 44.654 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

Tgt Ion: 78 Resp: 315117



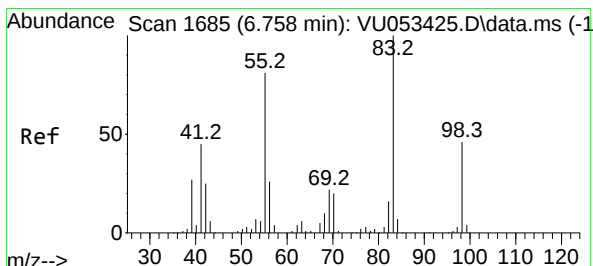
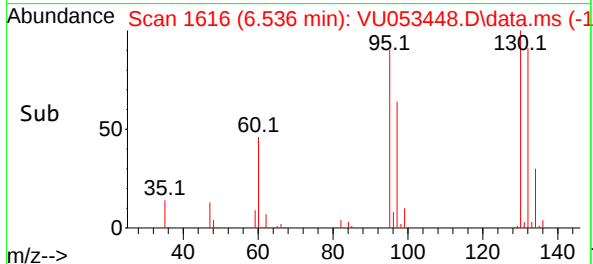
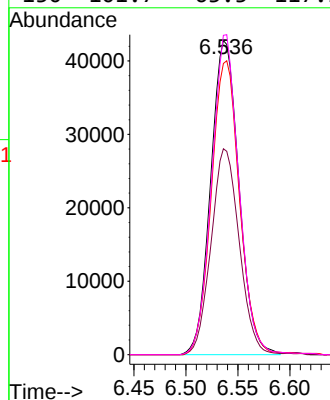
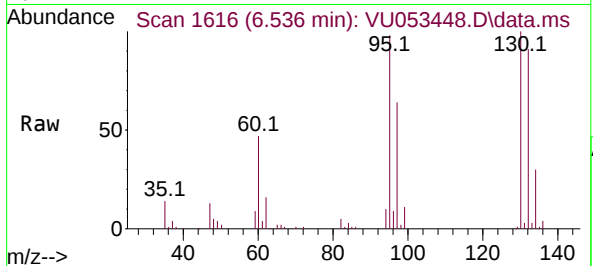


#34
Trichloroethene
Concen: 43.873 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD050176

Tgt Ion: 95 Resp: 80727

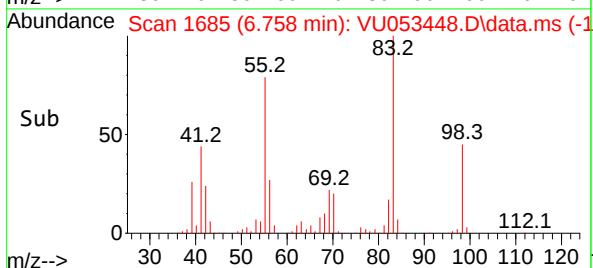
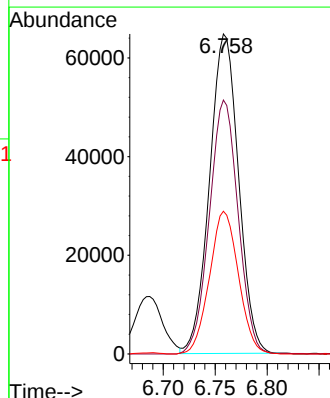
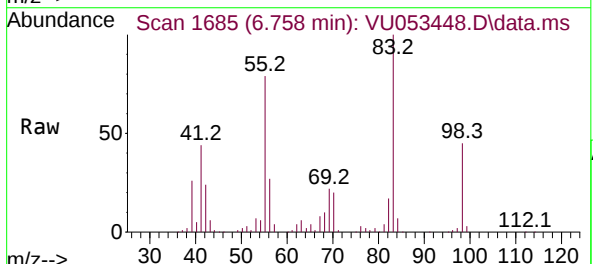
Ion	Ratio	Lower	Upper
95	100		
97	65.6	43.8	81.3
132	92.7	61.5	114.3
130	101.7	63.3	117.5

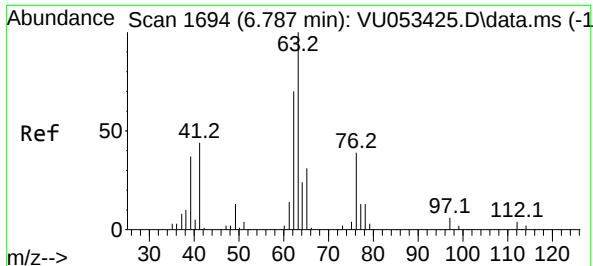


#35
Methylcyclohexane
Concen: 39.061 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

Tgt Ion: 83 Resp: 125984

Ion	Ratio	Lower	Upper
83	100		
55	78.6	58.2	87.4
98	44.5	35.4	53.2

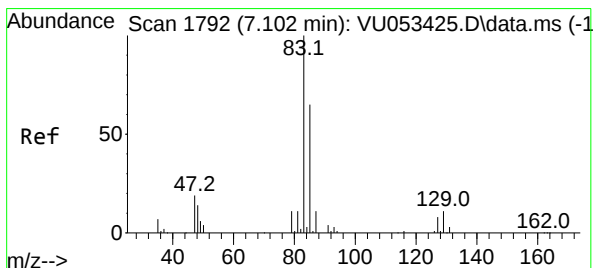
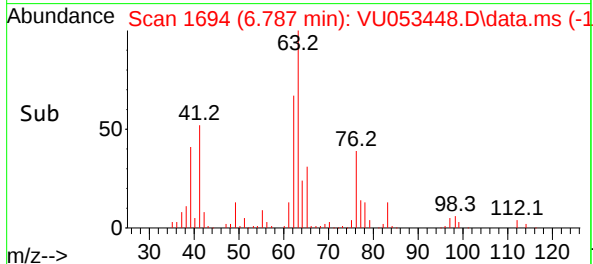
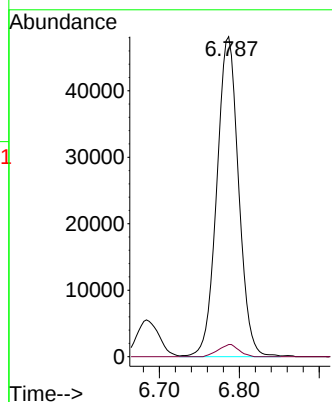
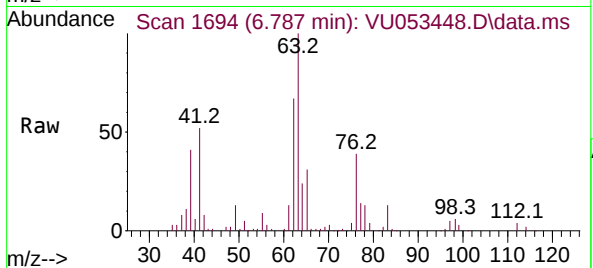




#37
1,2-Dichloropropane
Concen: 46.194 ug/L
RT: 6.787 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

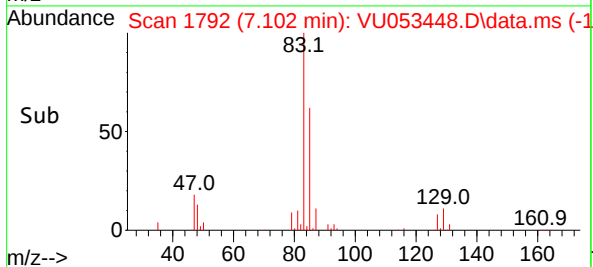
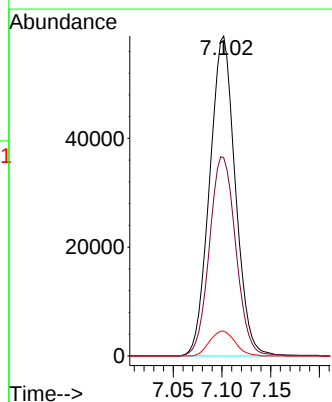
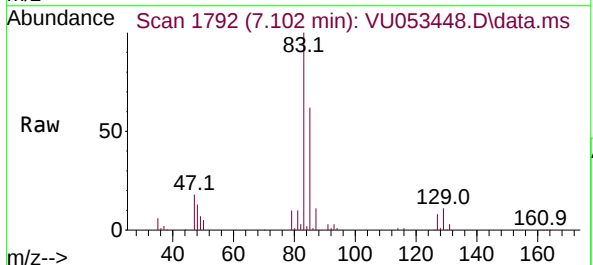
Instrument :
MSVOA_U
ClientSampleId :
VSTD050176

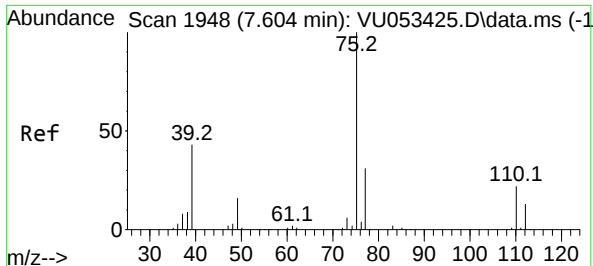
Tgt Ion: 63 Resp: 90948
Ion Ratio Lower Upper
63 100
112 3.6 2.6 3.8



#38
Bromodichloromethane
Concen: 43.984 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

Tgt Ion: 83 Resp: 107767
Ion Ratio Lower Upper
83 100
85 61.9 45.4 84.2
127 7.8 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 43.231 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU053448.D

Acq: 28 Mar 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

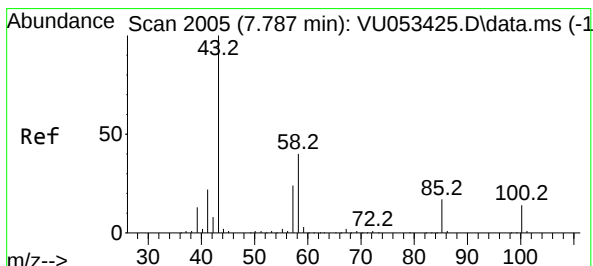
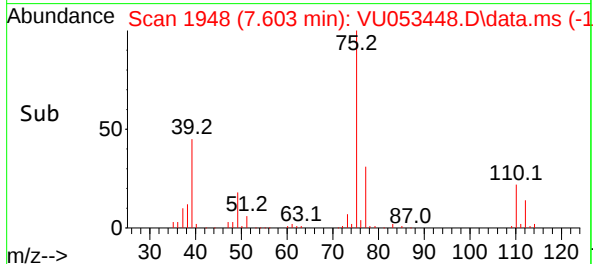
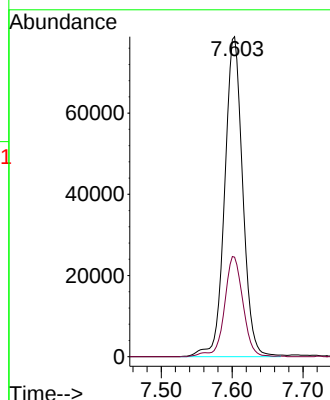
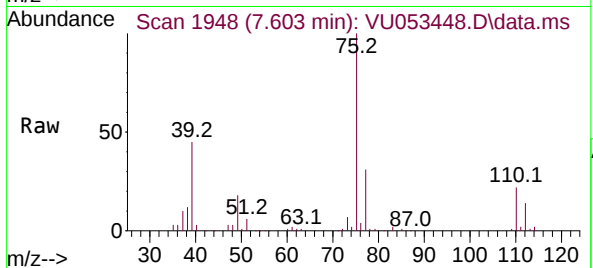
VSTD050176

Tgt Ion: 75 Resp: 139837

Ion Ratio Lower Upper

75 100

77 31.1 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 120.012 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. -0.003 min

Lab File: VU053448.D

Acq: 28 Mar 2023 20:58

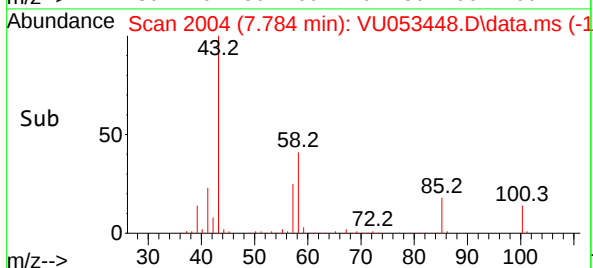
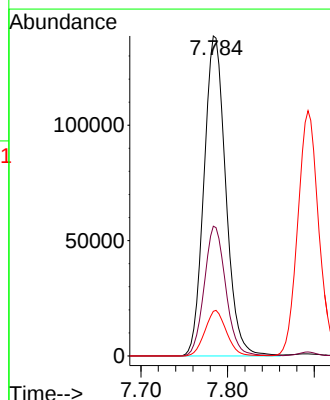
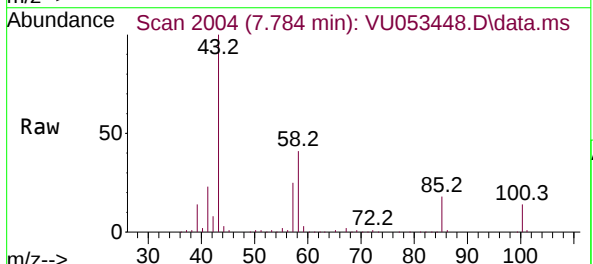
Tgt Ion: 43 Resp: 242861

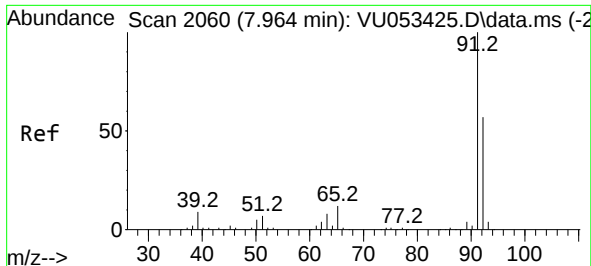
Ion Ratio Lower Upper

43 100

58 40.0 35.8 53.6

100 14.1 13.0 19.6





#42

Toluene

Concen: 44.828 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU053448.D

Acq: 28 Mar 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

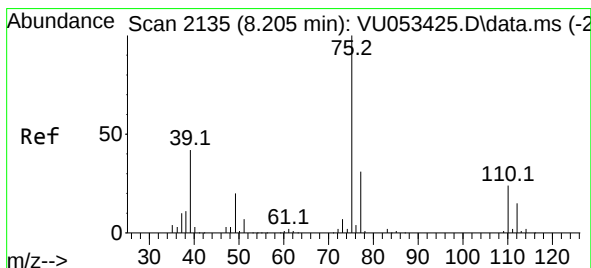
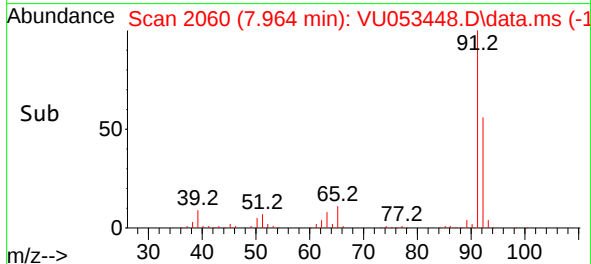
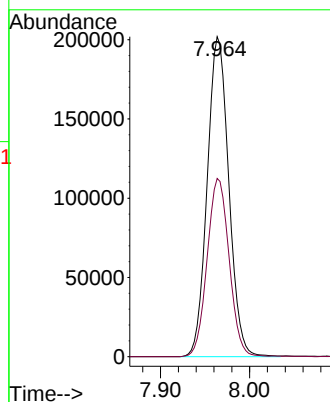
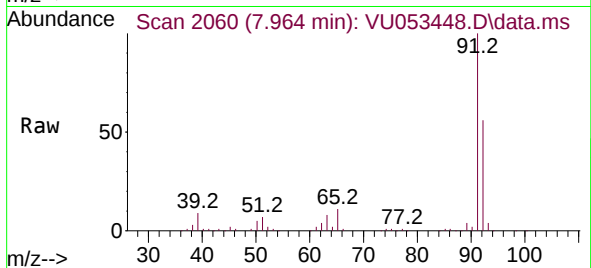
VSTD050176

Tgt Ion: 91 Resp: 340094

Ion Ratio Lower Upper

91 100

92 55.7 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 43.873 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053448.D

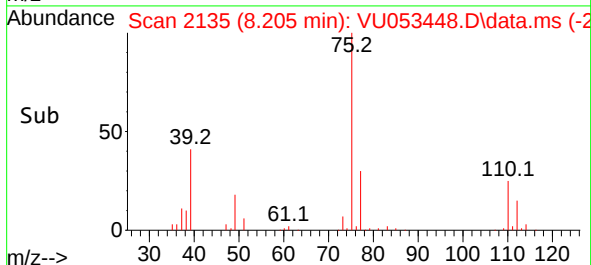
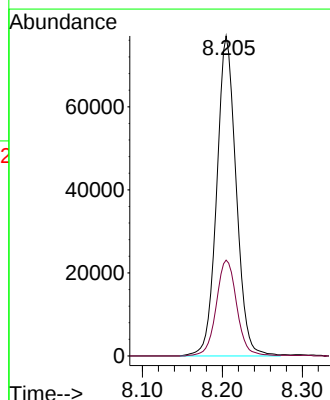
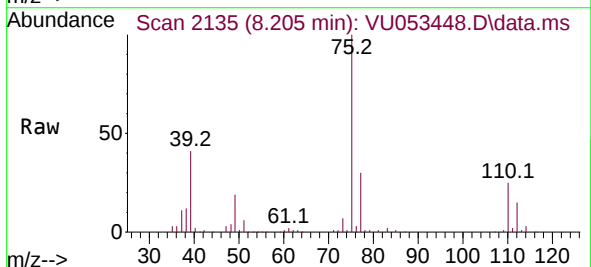
Acq: 28 Mar 2023 20:58

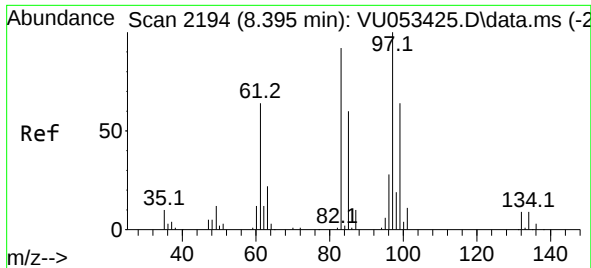
Tgt Ion: 75 Resp: 129723

Ion Ratio Lower Upper

75 100

77 29.9 22.0 40.8

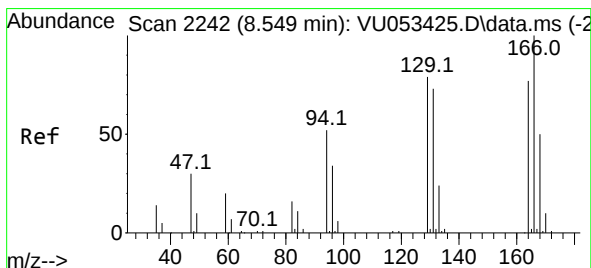
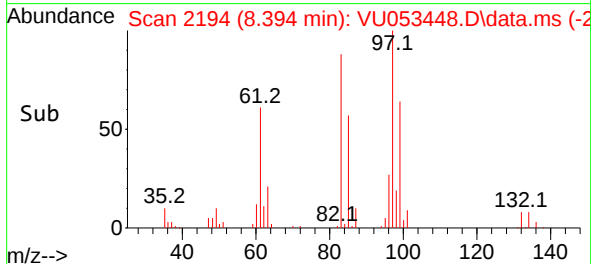
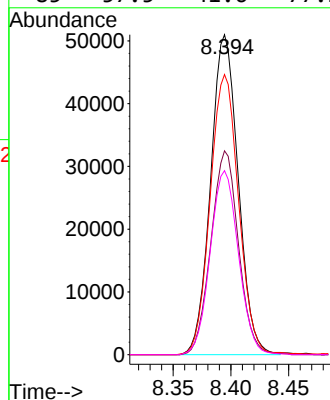
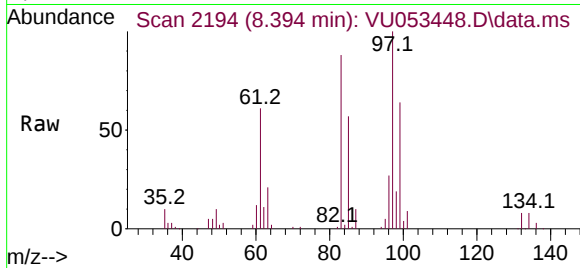




#45
1,1,2-Trichloroethane
Concen: 47.313 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

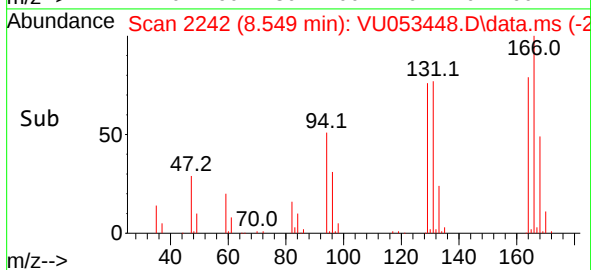
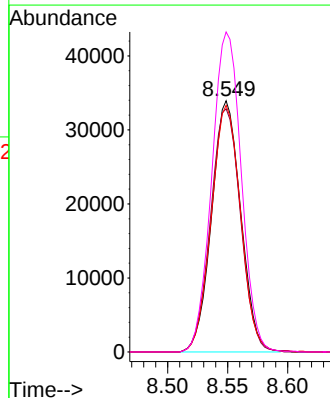
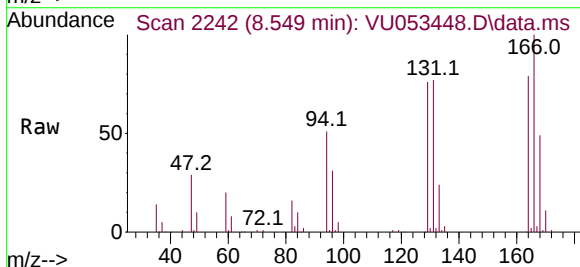
Instrument :
MSVOA_U
ClientSampleId :
VSTD050176

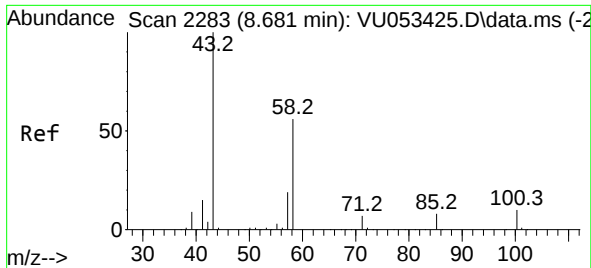
Tgt Ion:	97	Resp:	84819
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.4	82.4
83	87.6	63.8	118.6
85	57.5	41.6	77.2



#46
Tetrachloroethene
Concen: 47.801 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

Tgt Ion:	164	Resp:	57223
Ion	Ratio	Lower	Upper
164	100		
129	96.8	73.6	136.8
131	98.2	70.3	130.7
166	127.4	88.9	165.1



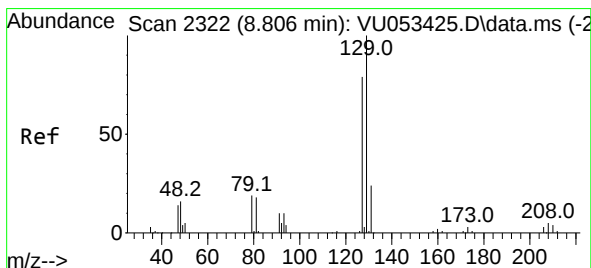
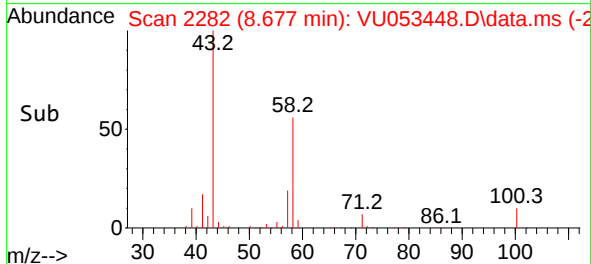
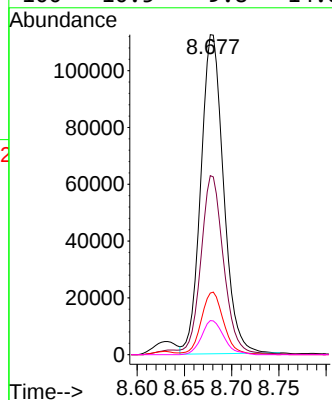
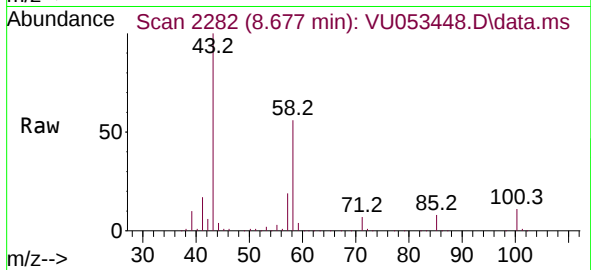


#48
2-Hexanone
Concen: 110.882 ug/L
RT: 8.677 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD050176

Tgt Ion: 43 Resp: 187899

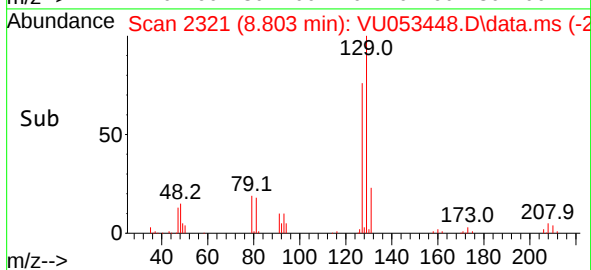
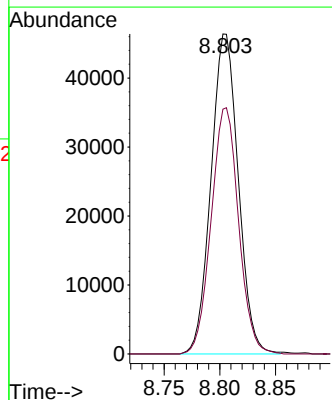
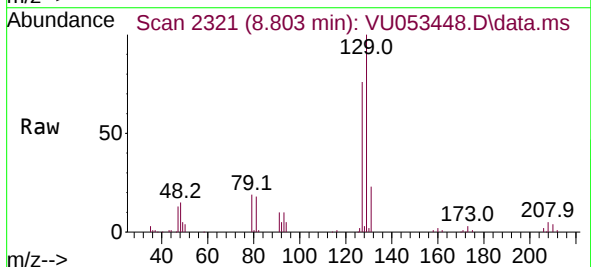
Ion	Ratio	Lower	Upper
43	100		
58	55.9	49.4	74.0
57	19.5	16.9	25.3
100	10.5	9.8	14.8

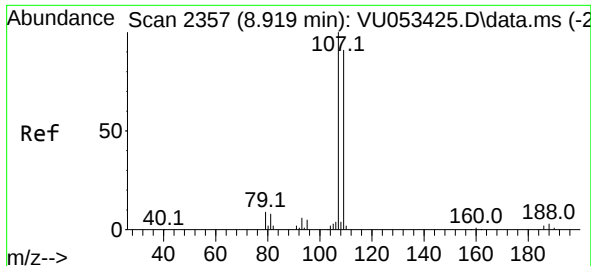


#49
Dibromochloromethane
Concen: 43.128 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

Tgt Ion: 129 Resp: 79090

Ion	Ratio	Lower	Upper
129	100		
127	76.5	53.1	98.5





#50

1,2-Dibromoethane

Concen: 47.325 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053448.D

Acq: 28 Mar 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD050176

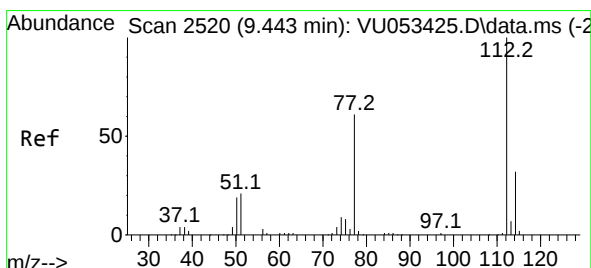
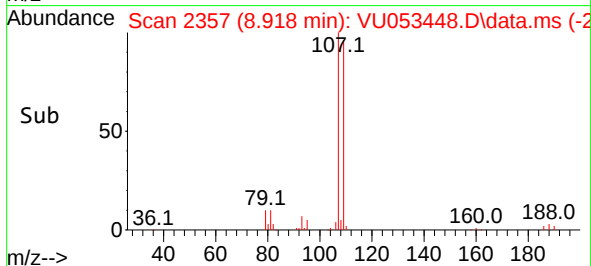
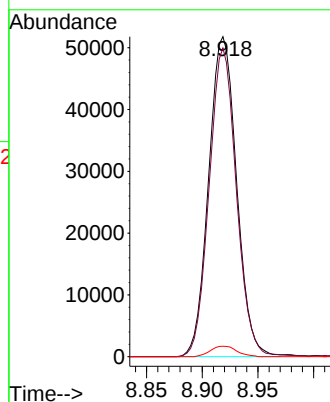
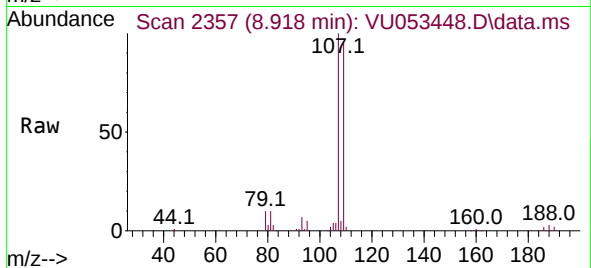
Tgt Ion:107 Resp: 90402

Ion Ratio Lower Upper

107 100

109 96.5 64.6 120.0

188 3.2 2.2 3.4



#51

Chlorobenzene

Concen: 45.408 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053448.D

Acq: 28 Mar 2023 20:58

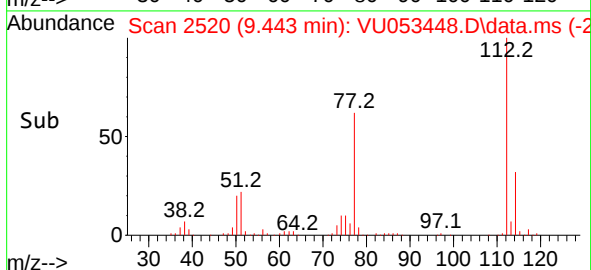
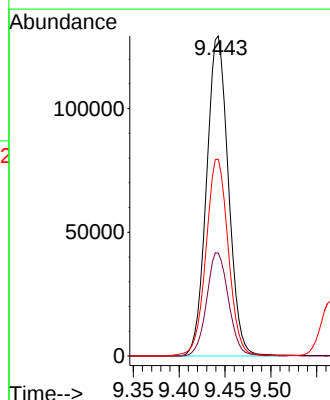
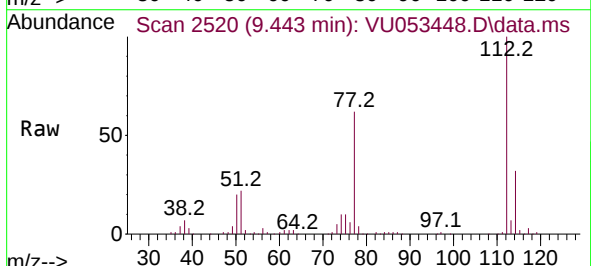
Tgt Ion:112 Resp: 214705

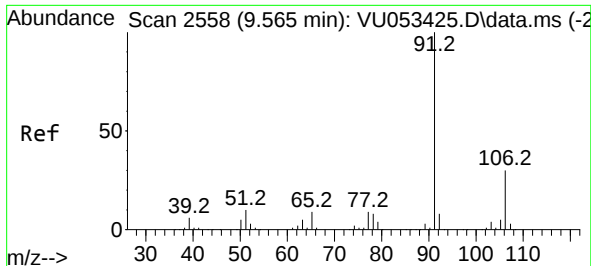
Ion Ratio Lower Upper

112 100

114 32.2 21.8 40.6

77 61.5 48.8 73.2





#52

Ethylbenzene

Concen: 44.230 ug/L

RT: 9.565 min Scan# 2558

Delta R.T. -0.000 min

Lab File: VU053448.D

Acq: 28 Mar 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

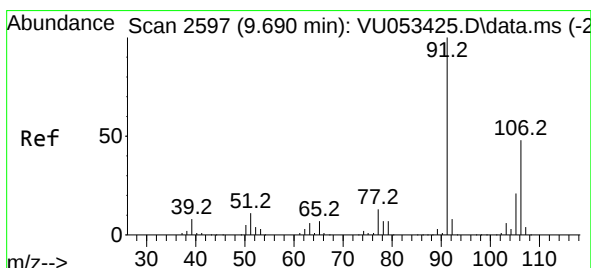
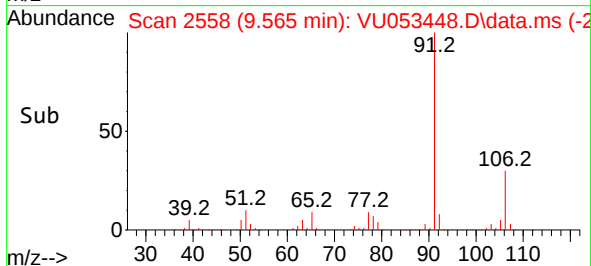
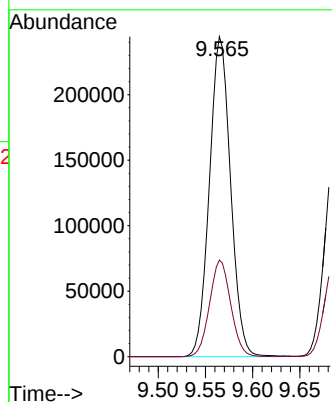
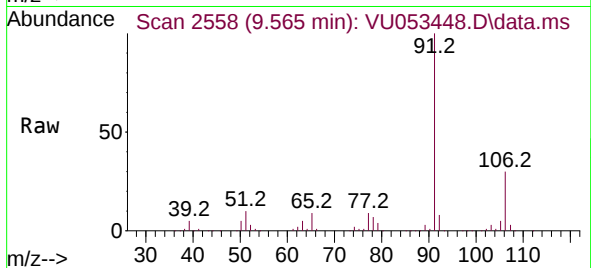
VSTD050176

Tgt Ion: 91 Resp: 380530

Ion Ratio Lower Upper

91 100

106 30.2 21.6 40.0



#53

m,p-Xylene

Concen: 43.422 ug/L

RT: 9.690 min Scan# 2597

Delta R.T. -0.000 min

Lab File: VU053448.D

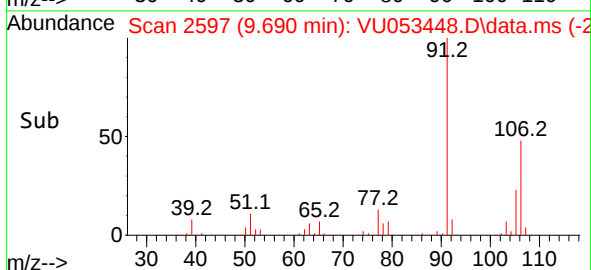
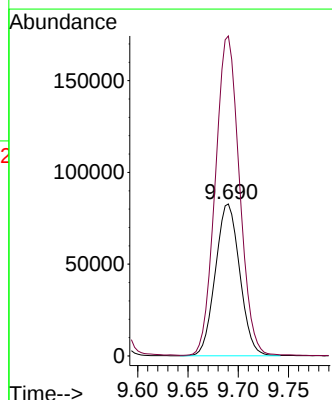
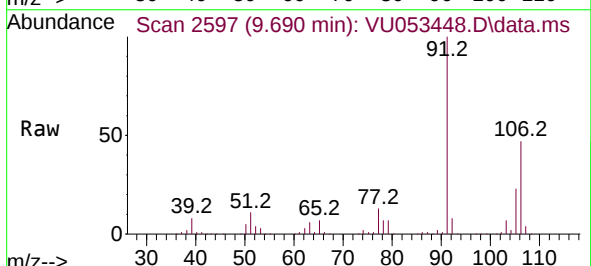
Acq: 28 Mar 2023 20:58

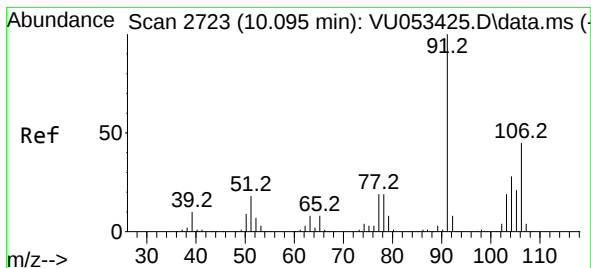
Tgt Ion: 106 Resp: 139432

Ion Ratio Lower Upper

106 100

91 210.6 145.3 269.8





#54

o-Xylene

Concen: 44.052 ug/L

RT: 10.095 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053448.D

Acq: 28 Mar 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

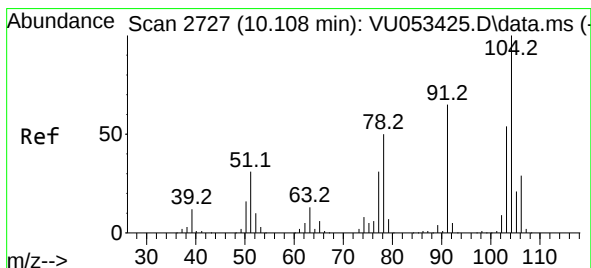
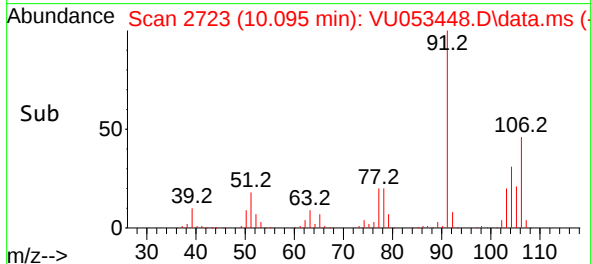
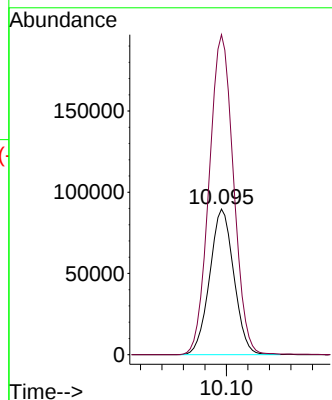
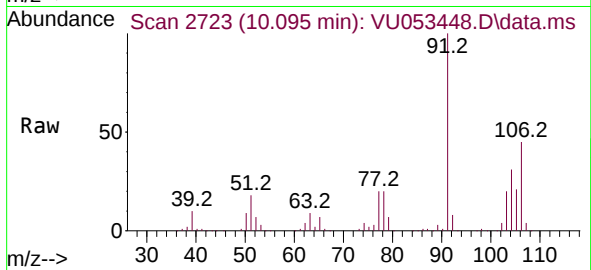
VSTD050176

Tgt Ion:106 Resp: 139905

Ion Ratio Lower Upper

106 100

91 219.8 154.9 287.7



#55

Styrene

Concen: 45.597 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.000 min

Lab File: VU053448.D

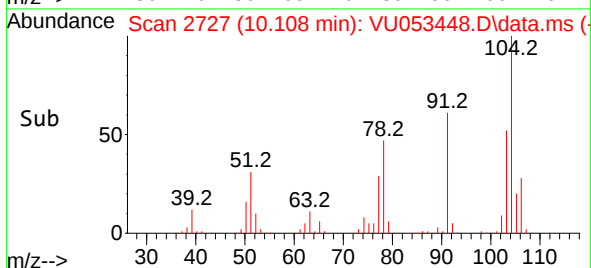
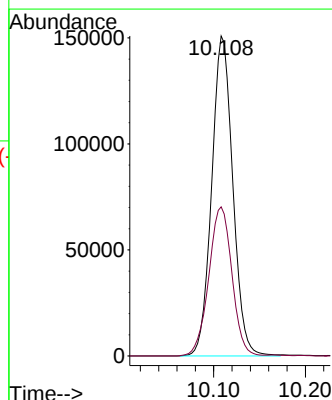
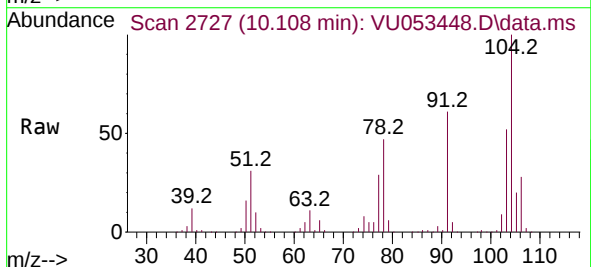
Acq: 28 Mar 2023 20:58

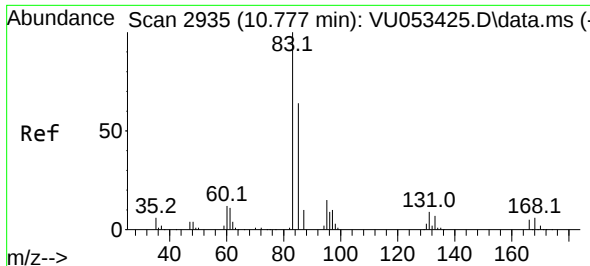
Tgt Ion:104 Resp: 241350

Ion Ratio Lower Upper

104 100

78 46.6 32.9 61.1

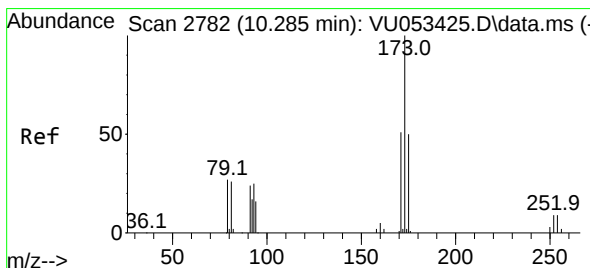
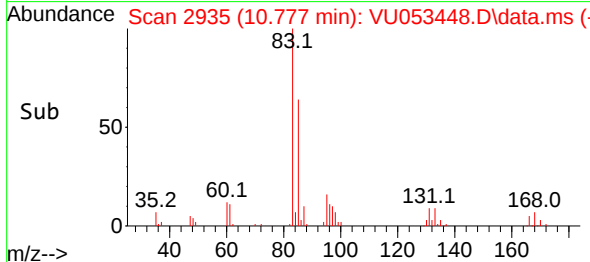
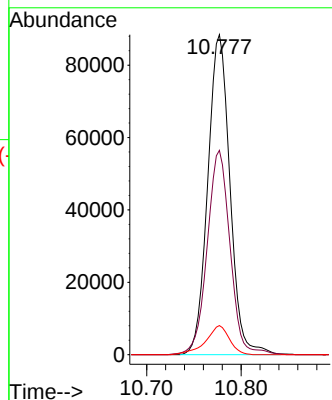
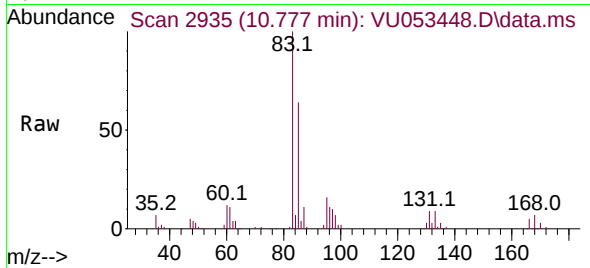




#57
1,1,2,2-Tetrachloroethane
Concen: 49.067 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

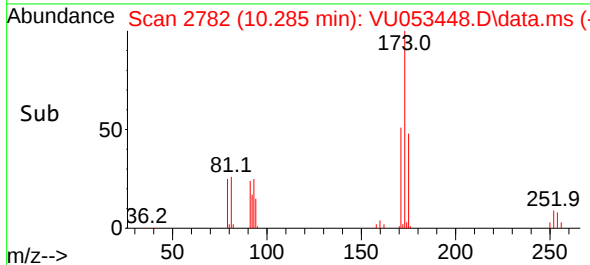
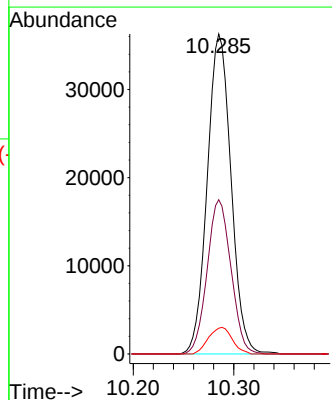
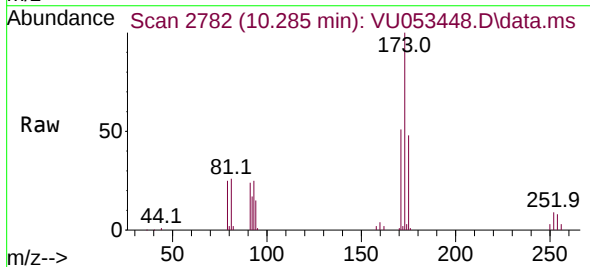
Instrument :
MSVOA_U
ClientSampleId :
VSTD050176

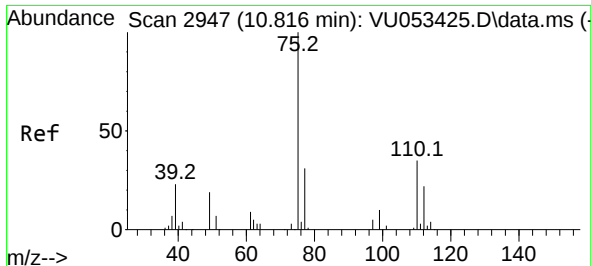
Tgt Ion:	83	Resp:	144219
Ion	Ratio	Lower	Upper
83	100		
85	63.9	46.0	85.4
131	9.1	6.6	10.0



#59
Bromoform
Concen: 50.092 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

Tgt Ion:	173	Resp:	59665
Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.5	57.7
254	8.3	6.5	9.7

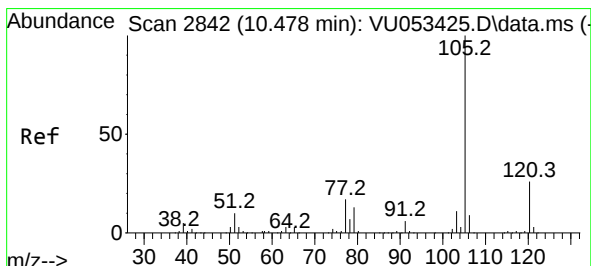
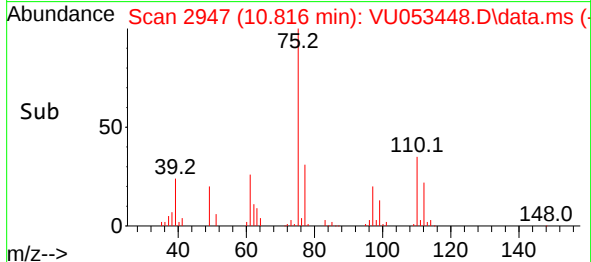
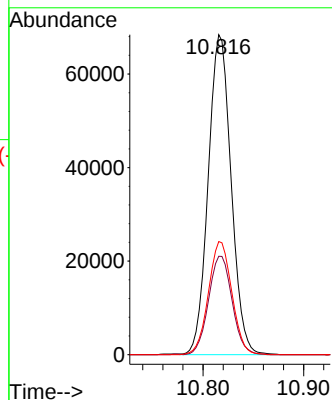
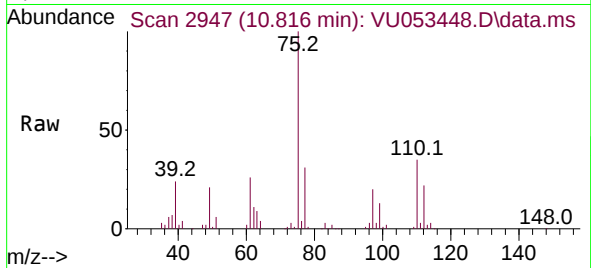




#60
1,2,3-Trichloropropane
Concen: 52.098 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

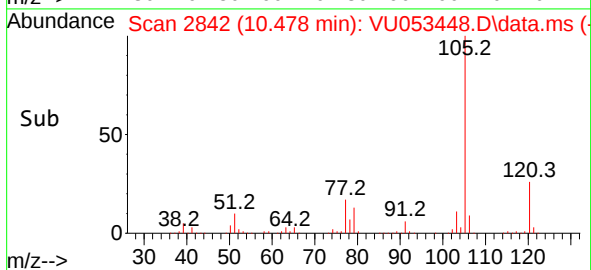
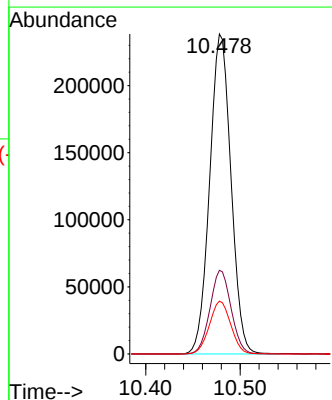
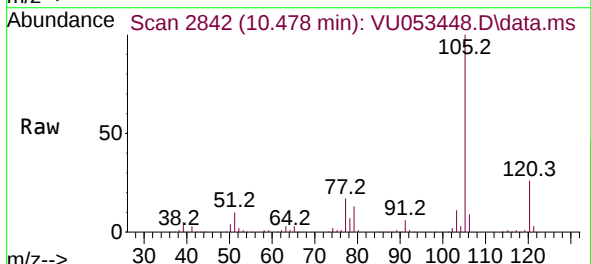
Instrument :
MSVOA_U
ClientSampleId :
VSTD050176

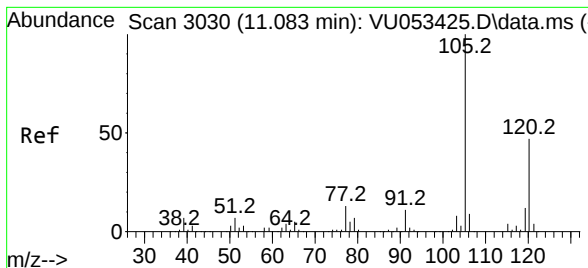
Tgt Ion: 75 Resp: 108355
Ion Ratio Lower Upper
75 100
77 31.7 26.6 40.0
110 36.0 28.6 42.8



#61
Isopropylbenzene
Concen: 45.102 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

Tgt Ion: 105 Resp: 372990
Ion Ratio Lower Upper
105 100
120 25.9 20.4 30.6
77 16.5 13.0 19.4





#62

1,3,5-Trimethylbenzene

Concen: 44.262 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU053448.D

Acq: 28 Mar 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

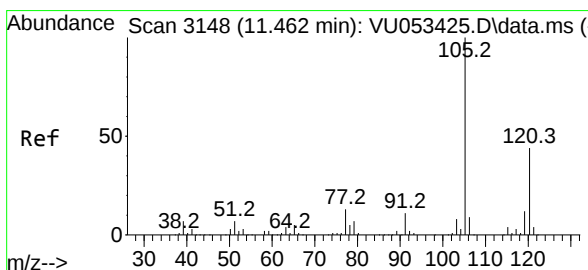
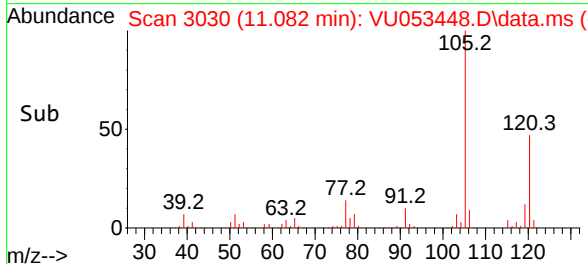
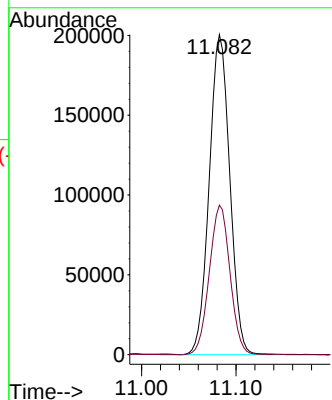
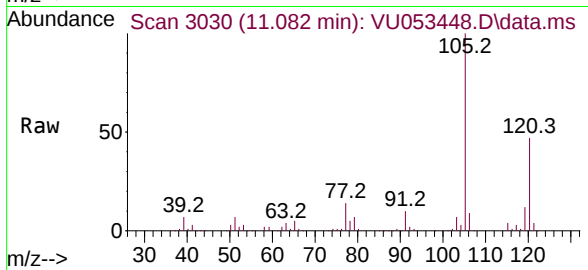
VSTD050176

Tgt Ion:105 Resp: 302993

Ion Ratio Lower Upper

105 100

120 46.9 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 44.262 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU053448.D

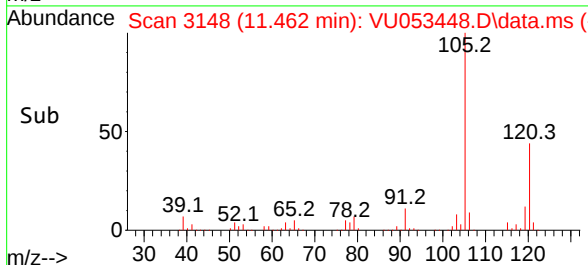
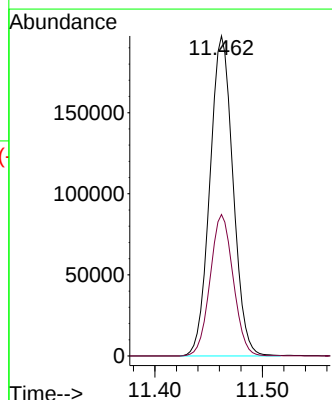
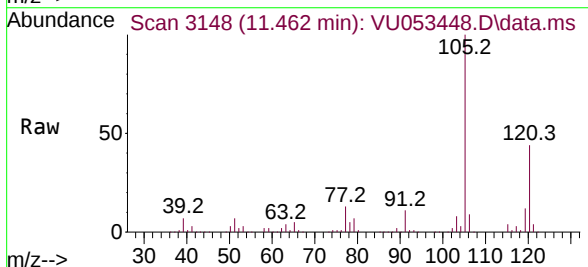
Acq: 28 Mar 2023 20:58

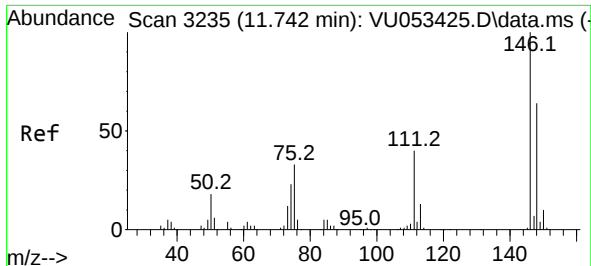
Tgt Ion:105 Resp: 295334

Ion Ratio Lower Upper

105 100

120 44.0 34.6 52.0

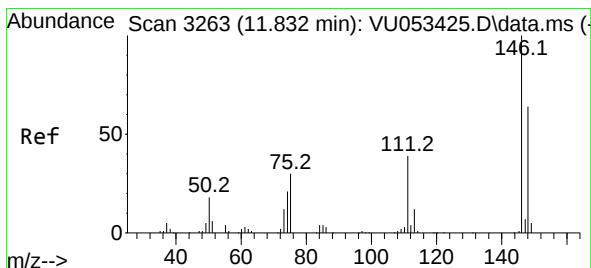
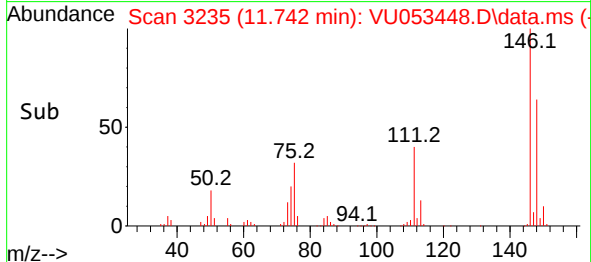
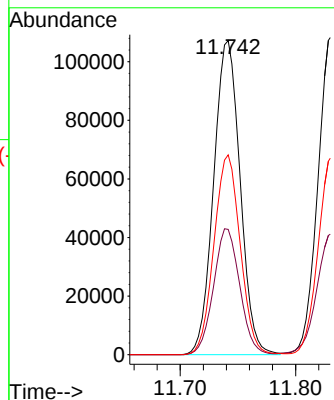
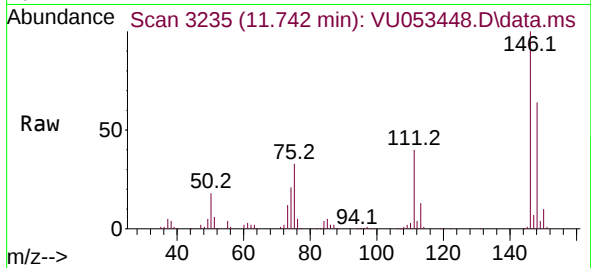




#64
1,3-Dichlorobenzene
Concen: 49.237 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

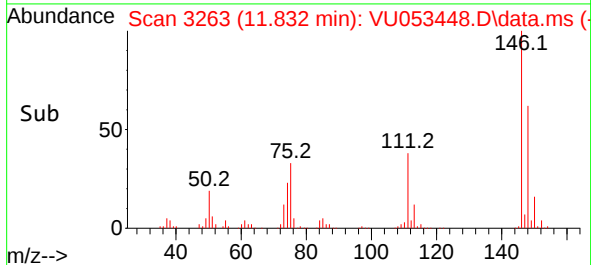
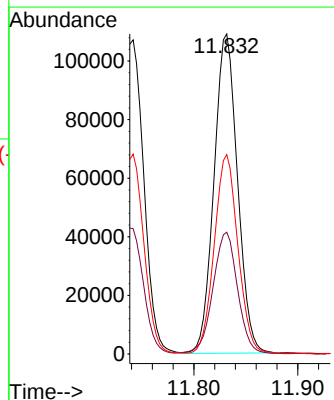
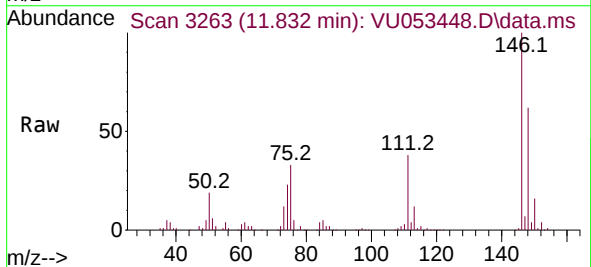
Instrument :
MSVOA_U
ClientSampleId :
VSTD050176

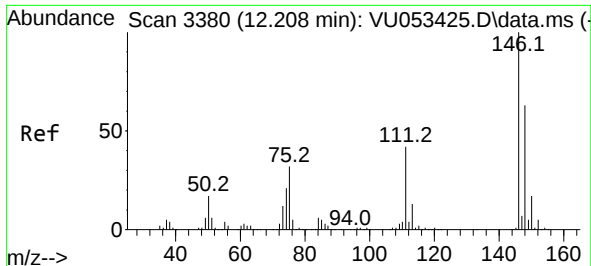
Tgt Ion:146 Resp: 170771
Ion Ratio Lower Upper
146 100
111 39.9 30.2 56.0
148 63.6 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 49.244 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

Tgt Ion:146 Resp: 171459
Ion Ratio Lower Upper
146 100
111 38.1 30.7 57.1
148 62.3 45.6 84.8

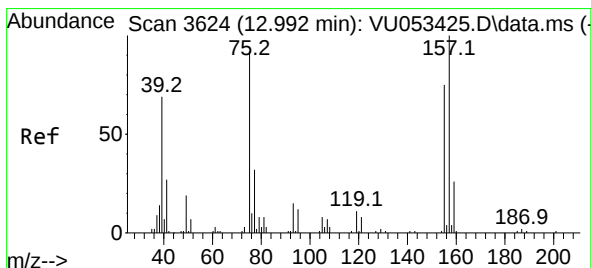
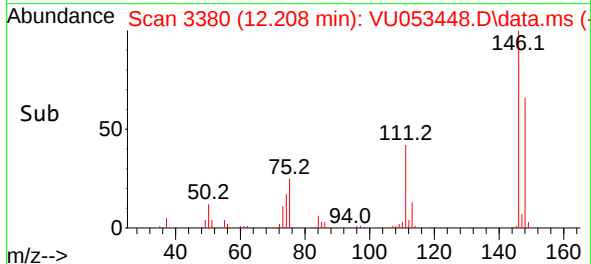
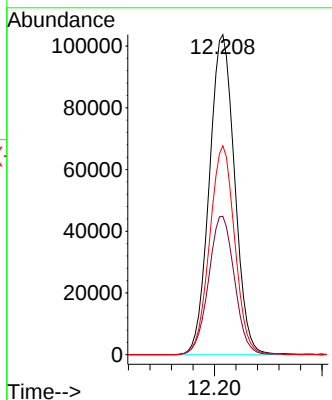
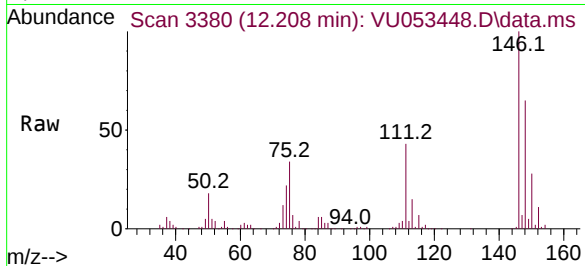




#67
1,2-Dichlorobenzene
Concen: 48.737 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

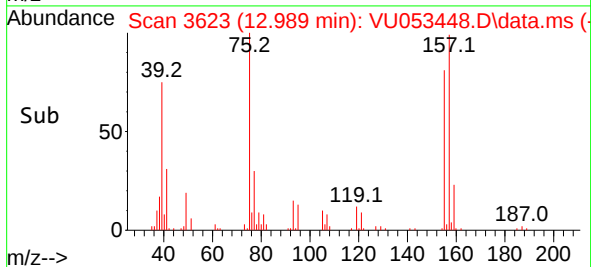
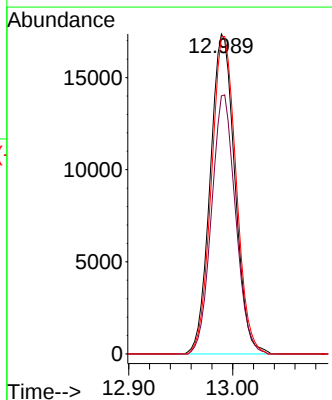
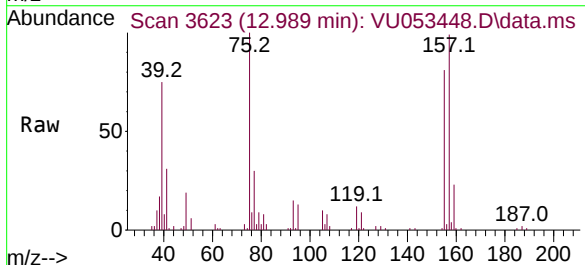
Instrument :
MSVOA_U
ClientSampleId :
VSTD050176

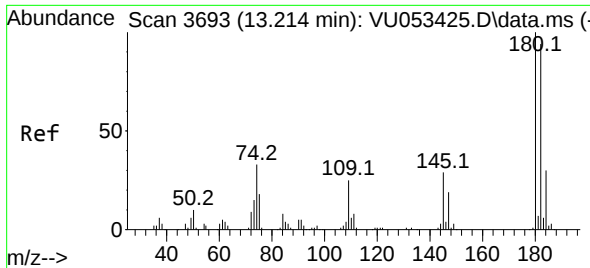
Tgt Ion:146 Resp: 168948
Ion Ratio Lower Upper
146 100
111 43.3 37.0 55.4
148 65.3 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 49.721 ug/L
RT: 12.989 min Scan# 3623
Delta R.T. -0.003 min
Lab File: VU053448.D
Acq: 28 Mar 2023 20:58

Tgt Ion: 75 Resp: 28596
Ion Ratio Lower Upper
75 100
155 80.7 60.2 90.4
157 99.3 73.0 109.4

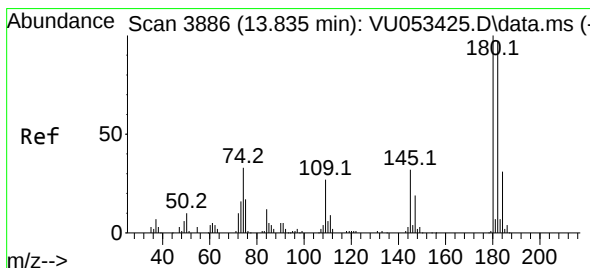
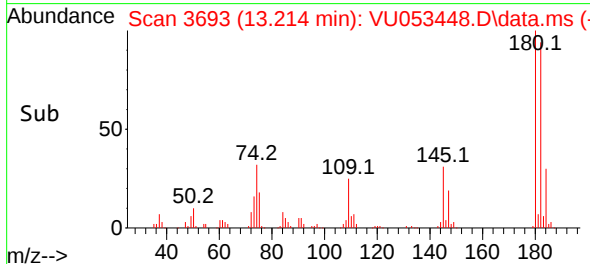
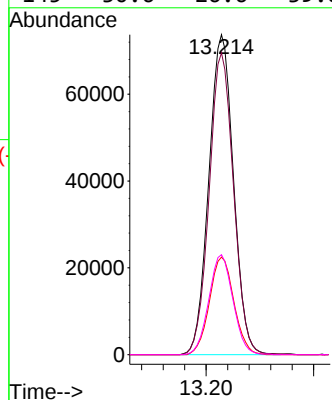
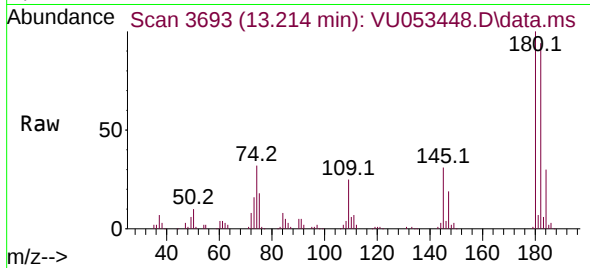




#69
 1,3,5-Trichlorobenzene
 Concen: 53.271 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU053448.D
 Acq: 28 Mar 2023 20:58

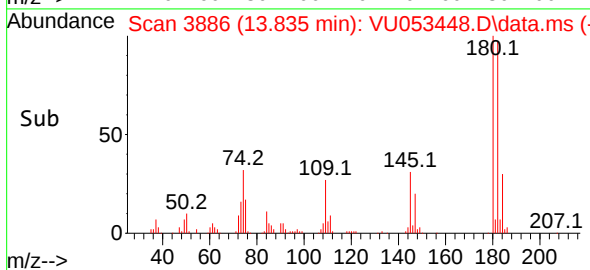
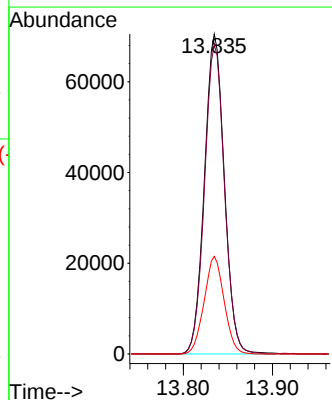
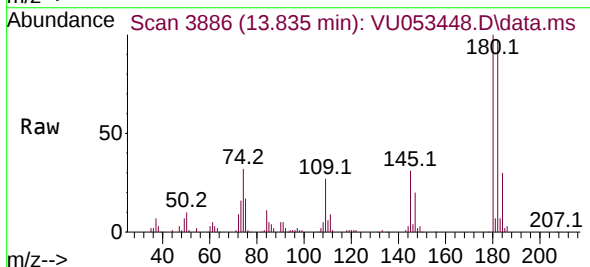
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050176

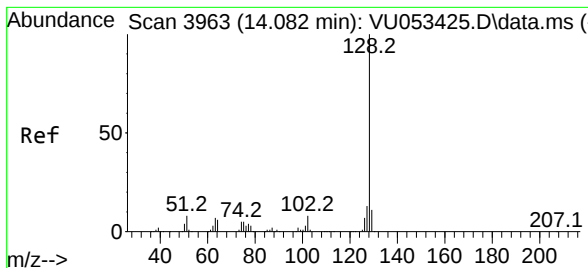
Tgt Ion:180	Resp:	117140
Ion Ratio	Lower	Upper
180	100	
182	93.3	74.5 111.7
184	30.3	23.2 34.8
145	30.6	26.6 39.8



#70
 1,2,4-trichlorobenzene
 Concen: 55.428 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU053448.D
 Acq: 28 Mar 2023 20:58

Tgt Ion:180	Resp:	109515
Ion Ratio	Lower	Upper
180	100	
182	96.8	75.8 113.8
145	30.5	27.2 40.8





#71

Naphthalene

Concen: 56.469 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU053448.D

Acq: 28 Mar 2023 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD050176

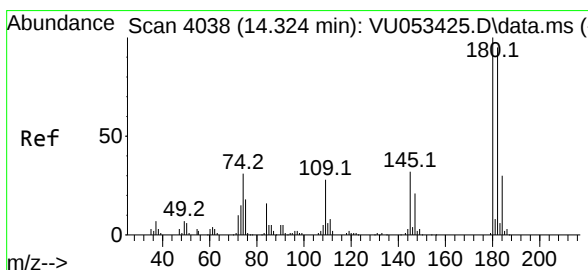
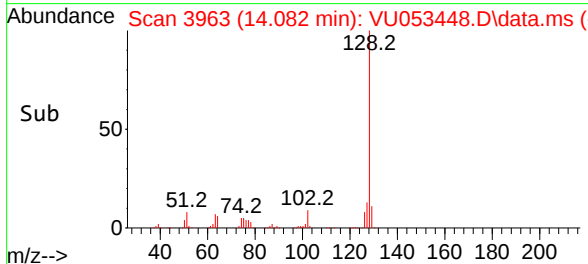
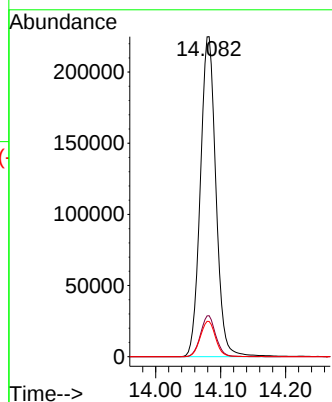
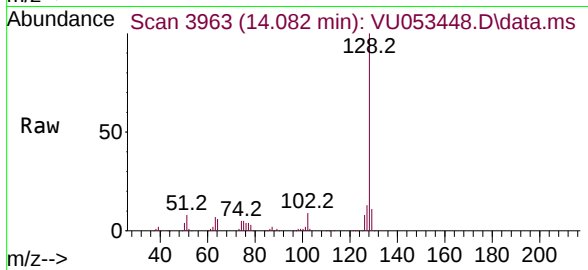
Tgt Ion:128 Resp: 376058

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 58.406 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. -0.000 min

Lab File: VU053448.D

Acq: 28 Mar 2023 20:58

Tgt Ion:180 Resp: 109435

Ion Ratio Lower Upper

180 100

182 96.9 76.7 115.1

145 33.1 28.6 42.8

