

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120622\
 Data File : VU052190.D
 Acq On : 06 Dec 2022 15:08
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005093

Quant Time: Dec 06 21:25:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 06 21:24:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	208881	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	212862	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	110248	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	94859	4.669	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.400%
7) Chloroethane-d5	1.916	69	78970	5.004	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.000%
11) 1,1-Dichloroethene-d2	2.565	65	35675	4.898	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.000%
20) 2-Butanone-d5	4.645	46	181151	49.187	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.380%
24) Chloroform-d	5.063	84	162607	5.447	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.000%
26) 1,2-Dichloroethane-d4	5.703	65	76908	5.100	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.000%
32) Benzene-d6	5.726	84	326027	5.159	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.200%
36) 1,2-Dichloropropane-d6	6.690	67	99450	5.085	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.800%
41) Toluene-d8	7.899	98	301080	5.266	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.400%
43) trans-1,3-Dichloroprop...	8.179	79	35115	4.927	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.600%
46) 2-Hexanone-d5	8.635	63	145644	48.222	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.440%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	88185	5.201	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	102549	4.858	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	94766	5.231	ug/L	100
3) Chloromethane	1.523	50	127894	5.409	ug/L	100
5) Vinyl chloride	1.604	62	122726	5.402	ug/L	96
6) Bromomethane	1.858	94	61327	5.261	ug/L	97
8) Chloroethane	1.935	64	73707	5.218	ug/L	98
9) Trichlorofluoromethane	2.137	101	136194	5.450	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	83808	5.485	ug/L	99
12) 1,1-Dichloroethene	2.581	96	84007	5.544	ug/L	82
13) Acetone	2.658	43	142205	56.862	ug/L	100
14) Carbon disulfide	2.793	76	280504	5.348	ug/L	98
15) Methyl Acetate	2.960	43	31293	4.824	ug/L	97
16) Methylene chloride	3.047	84	108233	5.280	ug/L	96
17) Methyl tert-butyl Ether	3.366	73	171141	5.045	ug/L	100
18) trans-1,2-Dichloroethene	3.353	96	86248	5.310	ug/L	97
19) 1,1-Dichloroethane	3.867	63	162472	5.550	ug/L	99
21) 2-Butanone	4.722	43	213100	53.164	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	91339	5.358	ug/L	99
23) Bromochloromethane	4.976	128	47417	5.814	ug/L	95
25) Chloroform	5.086	83	169651	5.719	ug/L	96

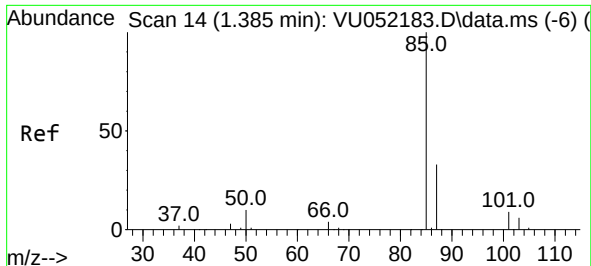
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120622\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	99412	5.472	ug/L	100
29) 1,1,1-Trichloroethane	5.314	97	131058	5.549	ug/L	99
30) Cyclohexane	5.388	56	111912	4.880	ug/L	99
31) Carbon tetrachloride	5.523	117	110348	5.499	ug/L	100
33) Benzene	5.774	78	385994	5.572	ug/L	100
34) Trichloroethene	6.542	95	89638	5.188	ug/L	95
35) Methylcyclohexane	6.764	83	120419	4.845	ug/L	98
37) 1,2-Dichloropropane	6.790	63	98656	5.500	ug/L	100
38) Bromodichloromethane	7.105	83	122370	5.596	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	118998	5.167	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	478560	51.078	ug/L	100
42) Toluene	7.970	91	408905	5.738	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	105169	5.333	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	73154	5.427	ug/L	97
47) Tetrachloroethene	8.552	164	74271	5.609	ug/L	96
48) 2-Hexanone	8.687	43	367833	53.552	ug/L	99
49) Dibromochloromethane	8.809	129	88183	5.841	ug/L	99
50) 1,2-Dibromoethane	8.925	107	65962	5.373	ug/L	97
51) Chlorobenzene	9.446	112	245943	5.413	ug/L	99
52) Ethylbenzene	9.568	91	363041	5.240	ug/L	100
53) m,p-Xylene	9.693	106	150557	5.612	ug/L	94
54) o-Xylene	10.102	106	142990	5.562	ug/L	97
55) Styrene	10.115	104	255104	5.875	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	93570	5.558	ug/L	99
59) Bromoform	10.291	173	48875	5.382	ug/L	96
60) Isopropylbenzene	10.484	105	362322	5.232	ug/L	99
61) 1,2,3-Trichloropropane	10.822	75	61411	4.867	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	267683	4.835	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	271496	4.941	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	190628	5.391	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	188389	5.342	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	181189	5.321	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	12520	4.534	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	127421	5.082	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	89665	4.696	ug/L	98
71) Naphthalene	14.085	128	132715	3.702	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	85077	4.529	ug/L	97

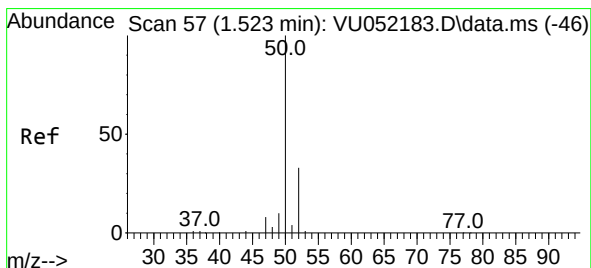
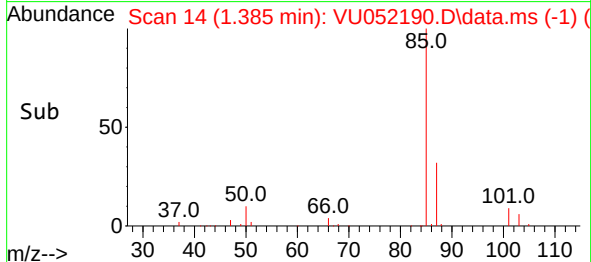
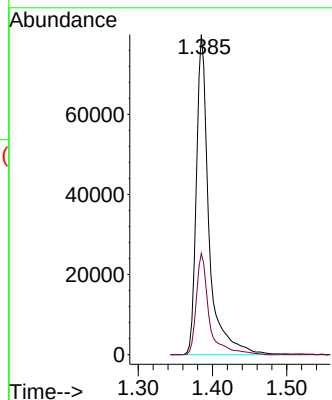
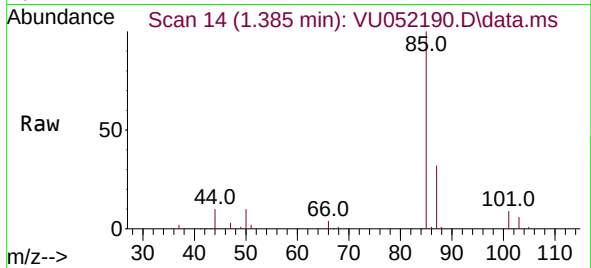
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 5.231 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

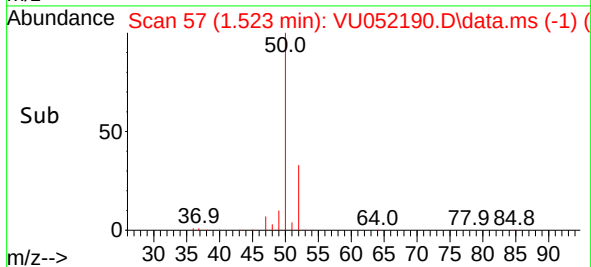
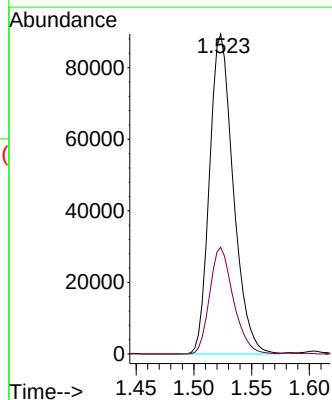
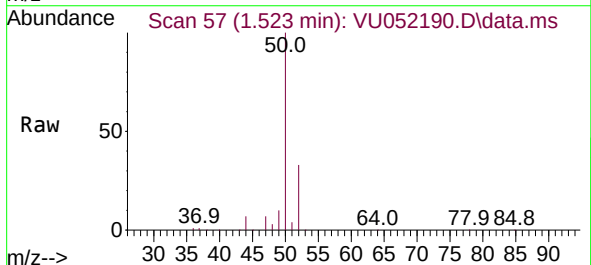
Instrument :
MSVOA_U
ClientSampleId :
VSTD005093

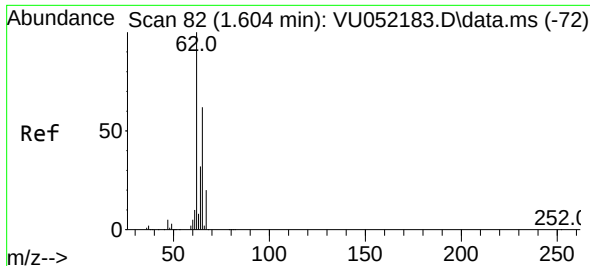
Tgt Ion: 85 Resp: 94766
Ion Ratio Lower Upper
85 100
87 32.3 25.8 38.8



#3
Chloromethane
Concen: 5.409 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

Tgt Ion: 50 Resp: 127894
Ion Ratio Lower Upper
50 100
52 33.3 23.4 43.4

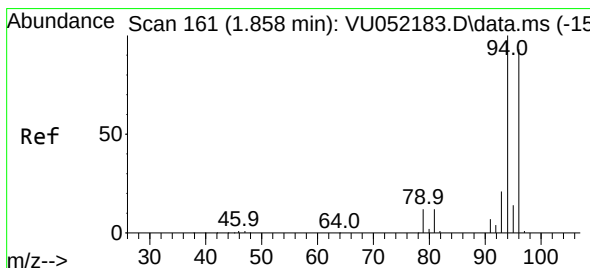
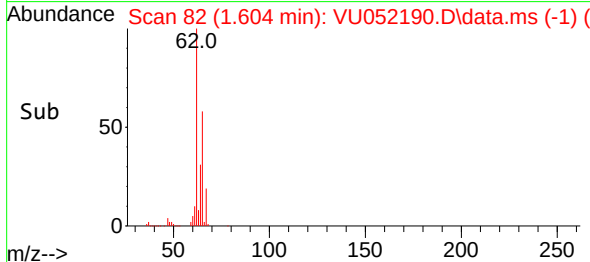
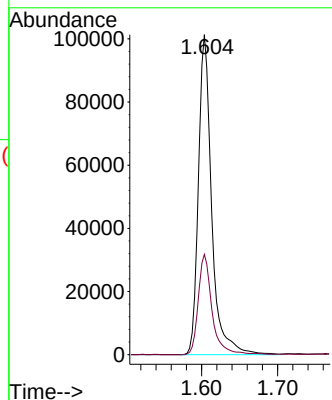
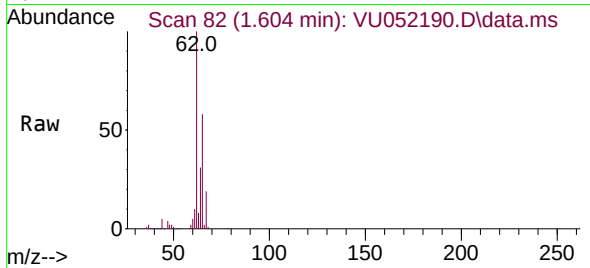




#5
 Vinyl chloride
 Concen: 5.402 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052190.D
 Acq: 06 Dec 2022 15:08

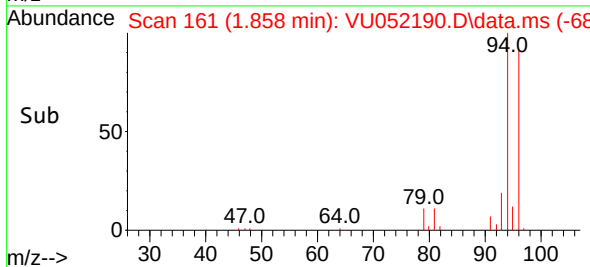
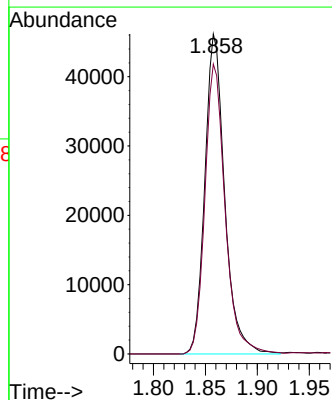
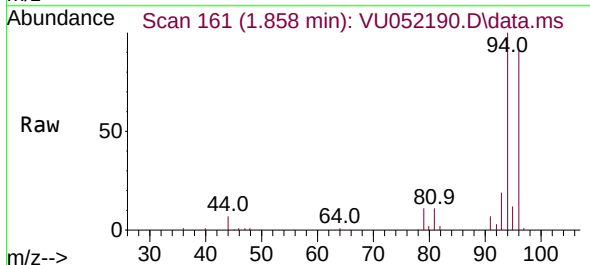
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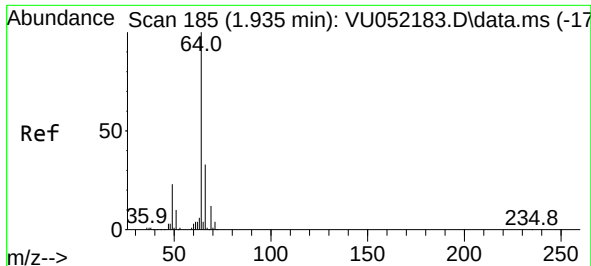
Tgt Ion: 62 Resp: 122726
 Ion Ratio Lower Upper
 62 100
 64 31.3 23.5 43.7



#6
 Bromomethane
 Concen: 5.261 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU052190.D
 Acq: 06 Dec 2022 15:08

Tgt Ion: 94 Resp: 61327
 Ion Ratio Lower Upper
 94 100
 96 90.6 65.7 122.1

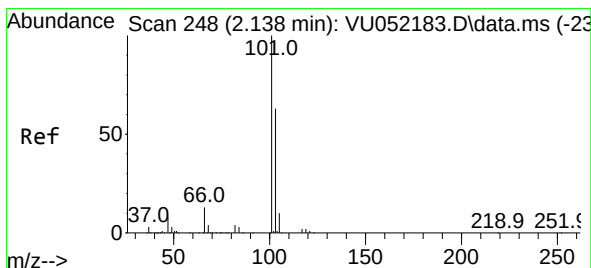
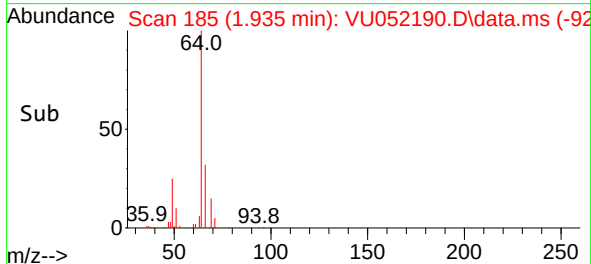
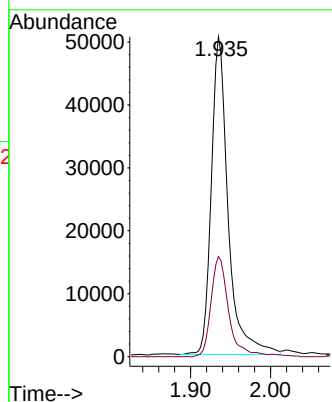
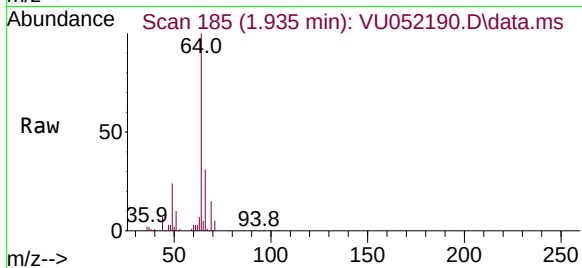




#8
Chloroethane
Concen: 5.218 ug/L
RT: 1.935 min Scan# 185
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

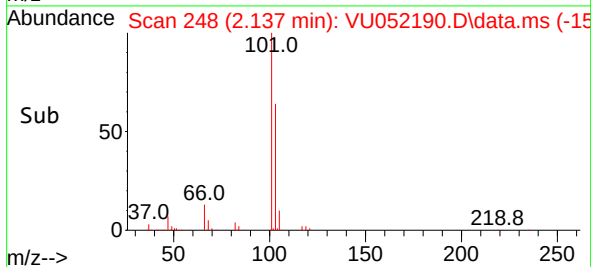
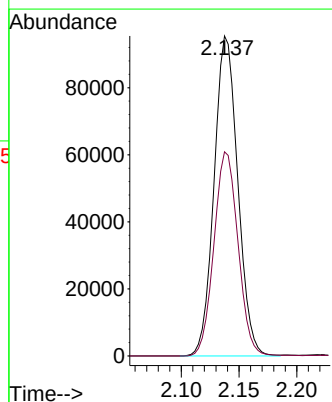
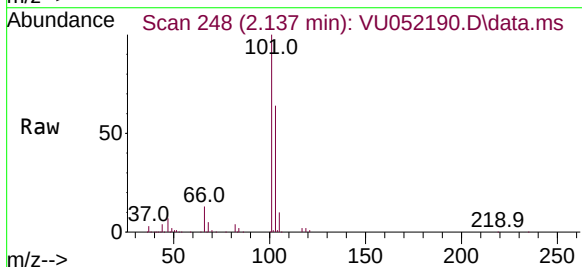
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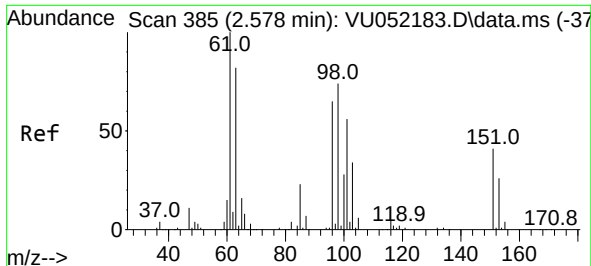
Tgt Ion: 64 Resp: 73707
Ion Ratio Lower Upper
64 100
66 31.3 21.1 39.1



#9
Trichlorofluoromethane
Concen: 5.450 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

Tgt Ion: 101 Resp: 136194
Ion Ratio Lower Upper
101 100
103 64.9 51.6 77.4

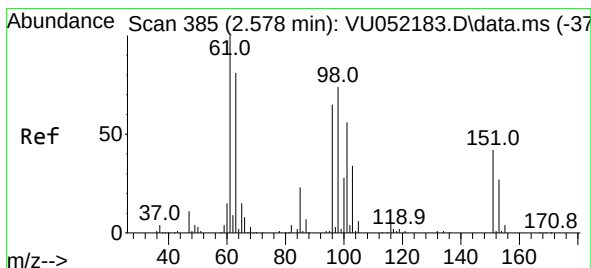
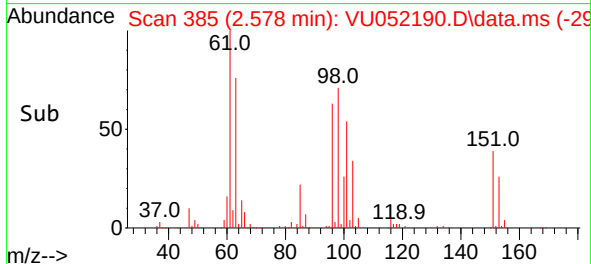
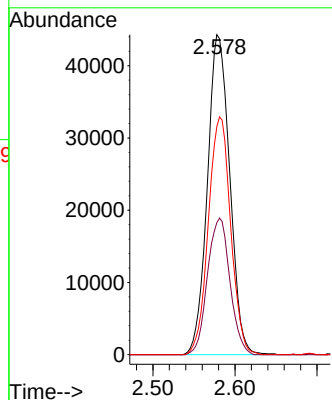
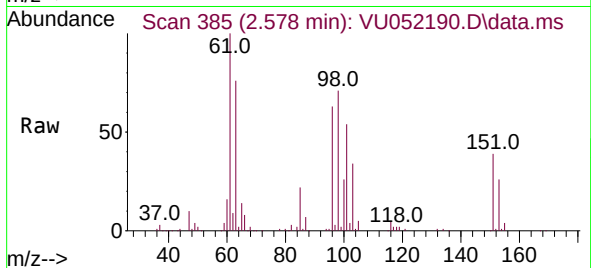




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.485 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU052190.D
 Acq: 06 Dec 2022 15:08

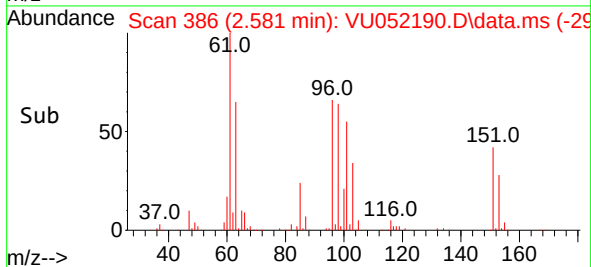
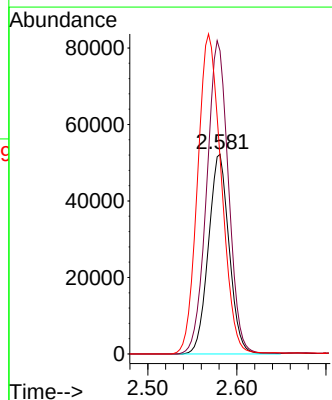
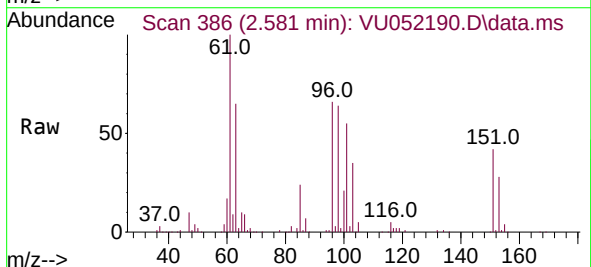
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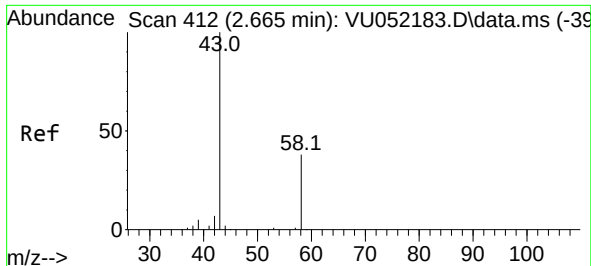
Tgt Ion:101 Resp: 83808
 Ion Ratio Lower Upper
 101 100
 85 42.8 33.8 50.6
 151 74.2 58.6 88.0



#12
 1,1-Dichloroethene
 Concen: 5.544 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU052190.D
 Acq: 06 Dec 2022 15:08

Tgt Ion: 96 Resp: 84007
 Ion Ratio Lower Upper
 96 100
 61 151.8 114.8 213.2
 63 98.4 93.7 174.1





#13

Acetone

Concen: 56.862 ug/L

RT: 2.658 min Scan# 41

Delta R.T. -0.007 min

Lab File: VU052190.D

Acq: 06 Dec 2022 15:08

Instrument :

MSVOA_U

ClientSampleId :

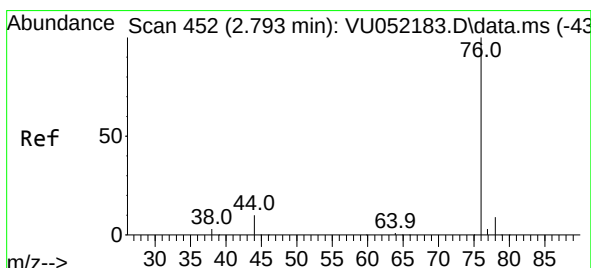
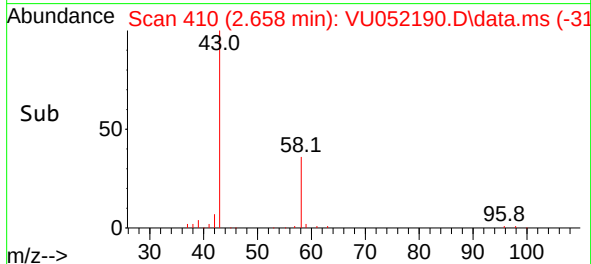
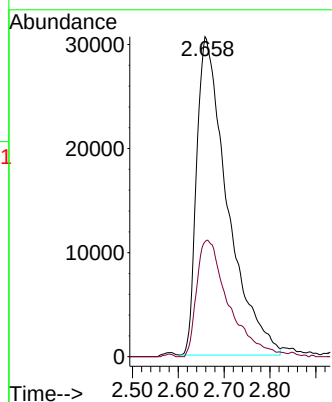
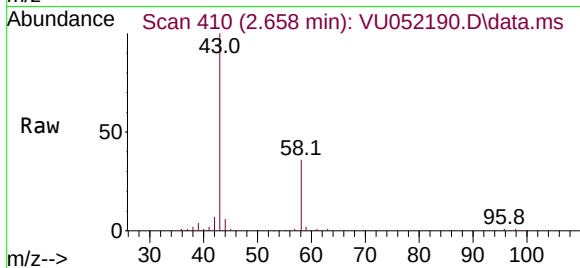
VSTD005093

Tgt Ion: 43 Resp: 142205

Ion Ratio Lower Upper

43 100

58 37.8 0.0 76.0



#14

Carbon disulfide

Concen: 5.348 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU052190.D

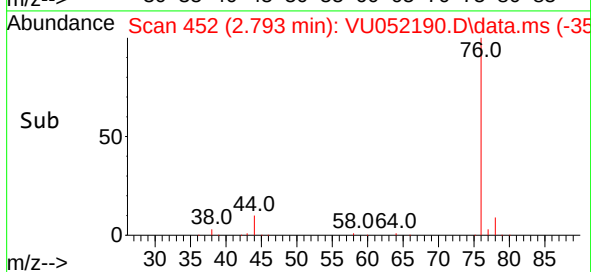
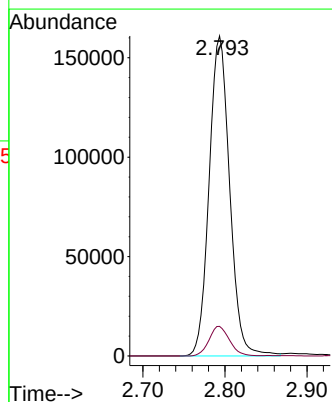
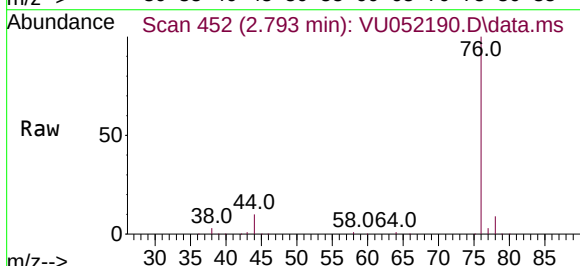
Acq: 06 Dec 2022 15:08

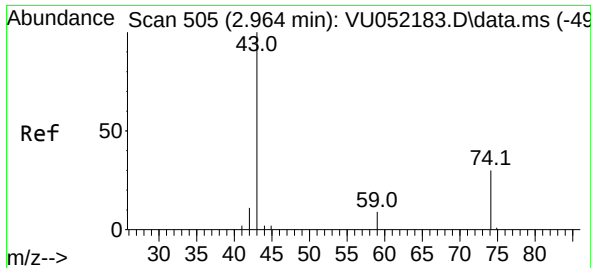
Tgt Ion: 76 Resp: 280504

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4

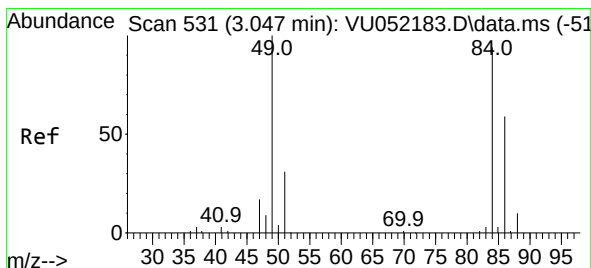
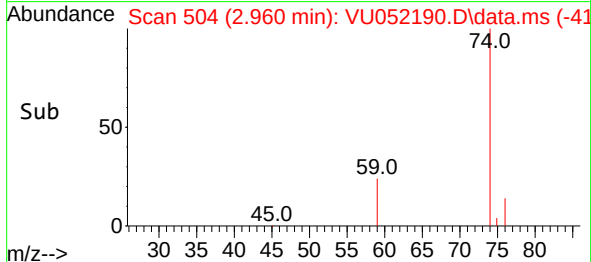
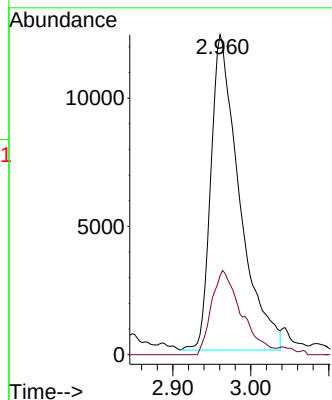
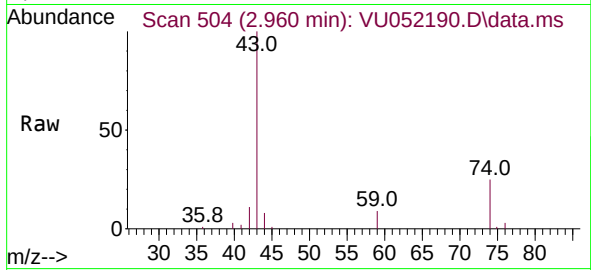




#15
Methyl Acetate
Concen: 4.824 ug/L
RT: 2.960 min Scan# 504
Delta R.T. -0.003 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

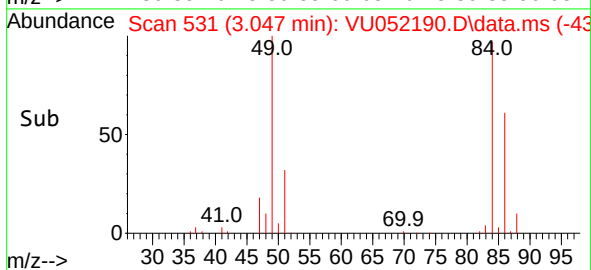
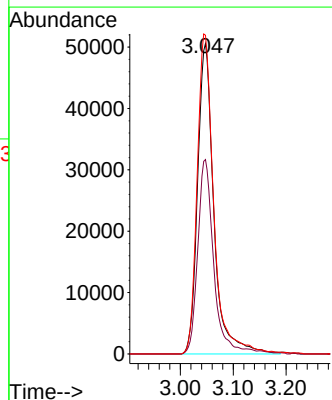
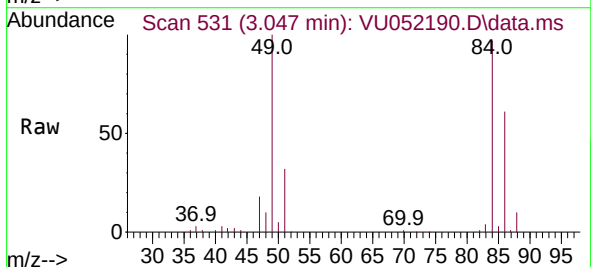
Instrument :
MSVOA_U
ClientSampleId :
VSTD005093

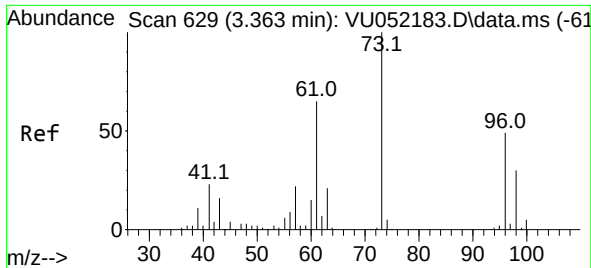
Tgt Ion: 43 Resp: 31293
Ion Ratio Lower Upper
43 100
74 28.1 21.3 31.9



#16
Methylene chloride
Concen: 5.280 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

Tgt Ion: 84 Resp: 108233
Ion Ratio Lower Upper
84 100
86 62.6 43.8 81.4
49 102.7 75.9 141.1

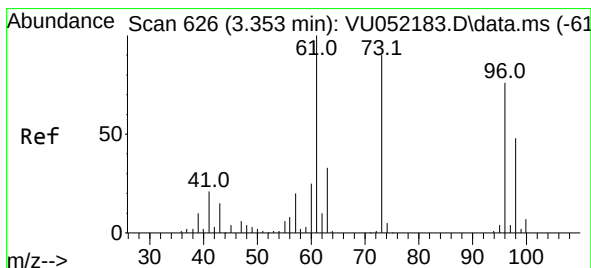
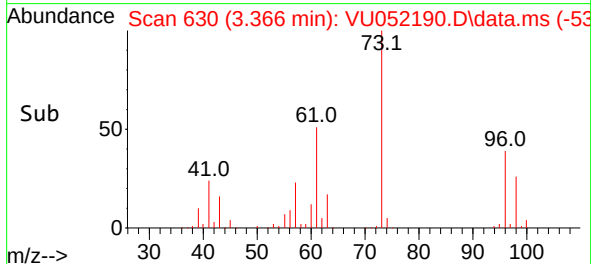
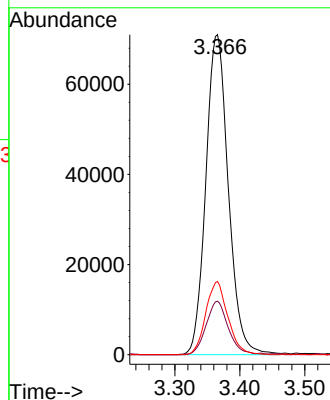
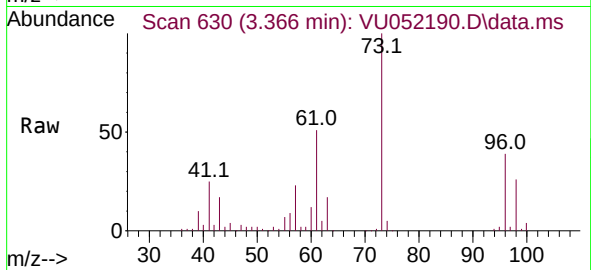




#17
Methyl tert-butyl Ether
Concen: 5.045 ug/L
RT: 3.366 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

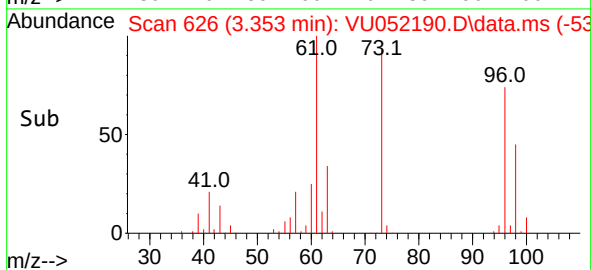
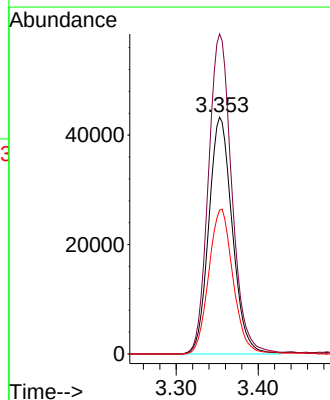
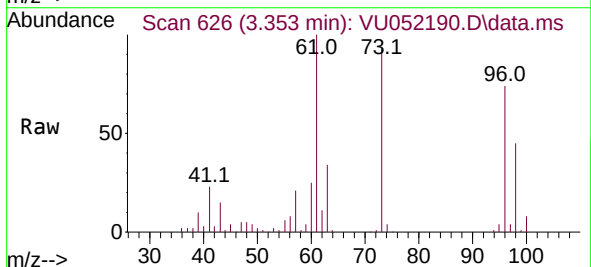
Instrument :
MSVOA_U
ClientSampleId :
VSTD005093

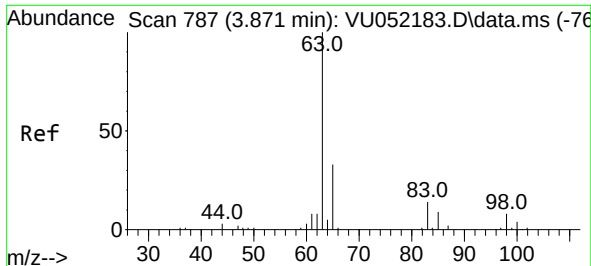
Tgt Ion: 73 Resp: 171141
Ion Ratio Lower Upper
73 100
43 16.4 13.2 19.8
57 22.4 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.310 ug/L
RT: 3.353 min Scan# 626
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

Tgt Ion: 96 Resp: 86248
Ion Ratio Lower Upper
96 100
61 135.1 97.9 181.7
98 60.7 43.8 81.3





#19

1,1-Dichloroethane

Concen: 5.550 ug/L

RT: 3.867 min Scan# 787

Delta R.T. -0.003 min

Lab File: VU052190.D

Acq: 06 Dec 2022 15:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005093

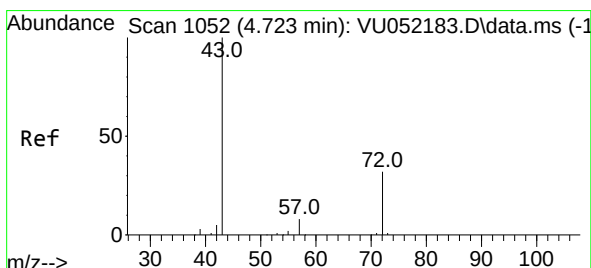
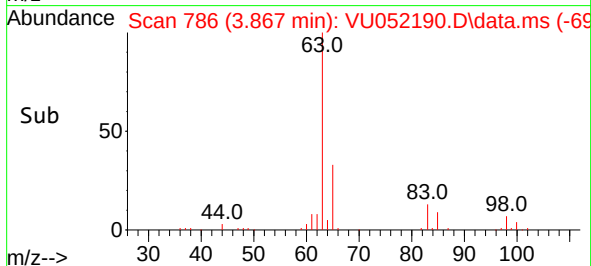
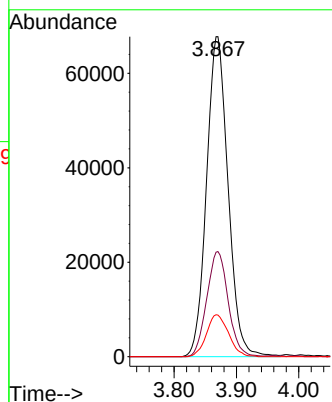
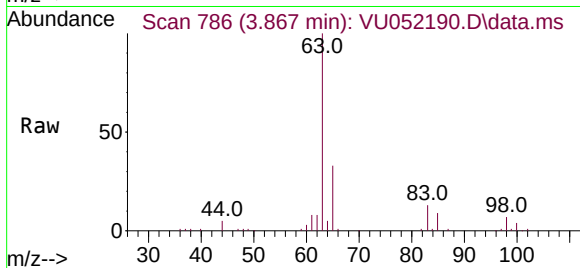
Tgt Ion: 63 Resp: 162472

Ion Ratio Lower Upper

63 100

65 32.7 22.2 41.2

83 13.1 9.2 17.0



#21

2-Butanone

Concen: 53.164 ug/L

RT: 4.722 min Scan# 1052

Delta R.T. -0.000 min

Lab File: VU052190.D

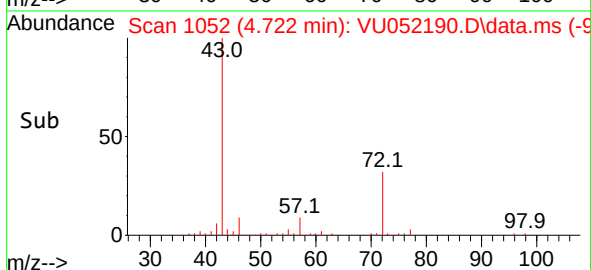
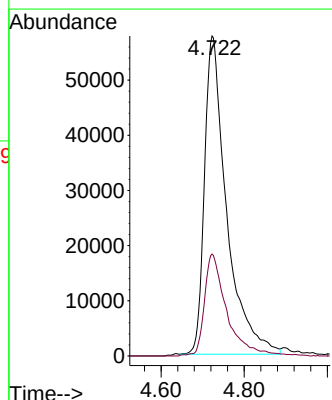
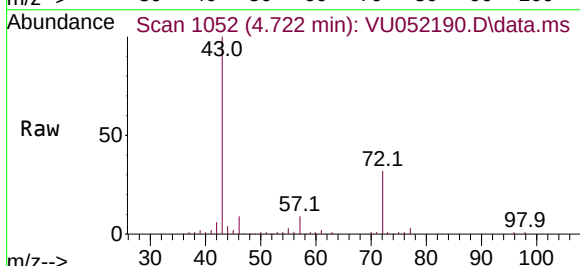
Acq: 06 Dec 2022 15:08

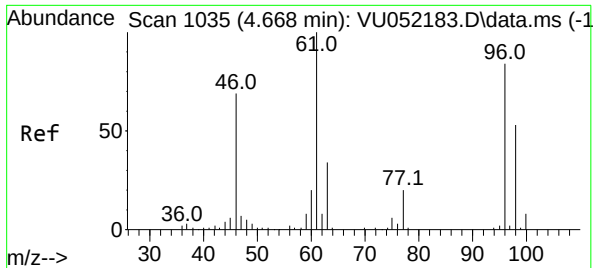
Tgt Ion: 43 Resp: 213100

Ion Ratio Lower Upper

43 100

72 30.2 15.6 46.8

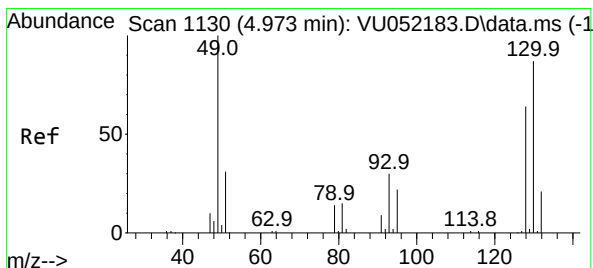
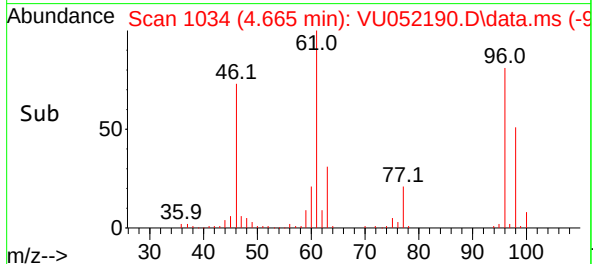
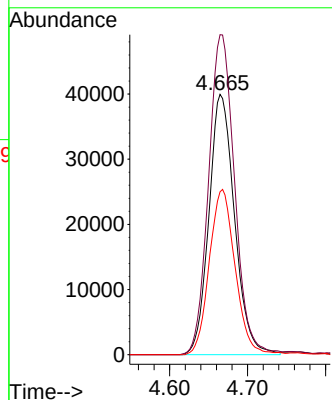
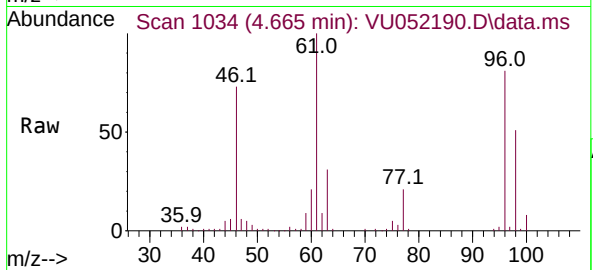




#22
 cis-1,2-Dichloroethene
 Concen: 5.358 ug/L
 RT: 4.665 min Scan# 1035
 Delta R.T. -0.003 min
 Lab File: VU052190.D
 Acq: 06 Dec 2022 15:08

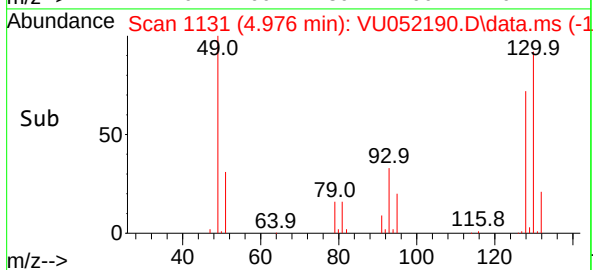
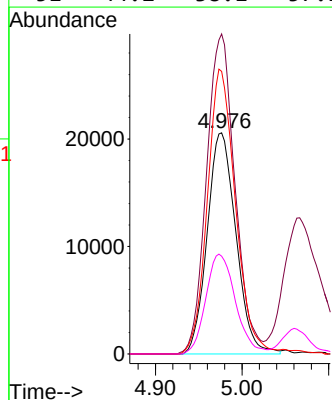
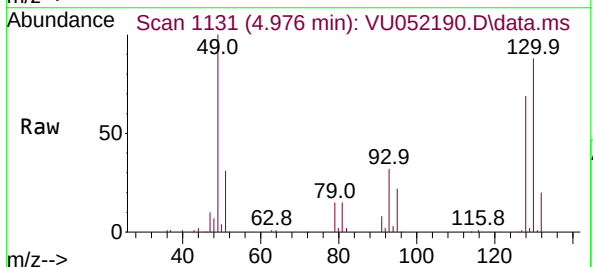
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005093

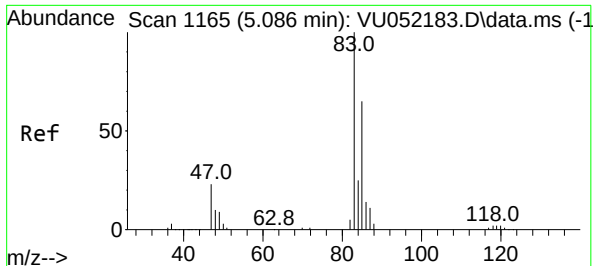
Tgt Ion: 96 Resp: 91339
 Ion Ratio Lower Upper
 96 100
 61 123.0 85.1 158.1
 98 62.6 42.8 79.6



#23
 Bromochloromethane
 Concen: 5.814 ug/L
 RT: 4.976 min Scan# 1131
 Delta R.T. 0.003 min
 Lab File: VU052190.D
 Acq: 06 Dec 2022 15:08

Tgt Ion:128 Resp: 47417
 Ion Ratio Lower Upper
 128 100
 49 144.7 104.0 193.2
 130 127.8 84.6 157.2
 51 44.2 38.1 57.1





#25

Chloroform

Concen: 5.719 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU052190.D

Acq: 06 Dec 2022 15:08

Instrument :

MSVOA_U

ClientSampleId :

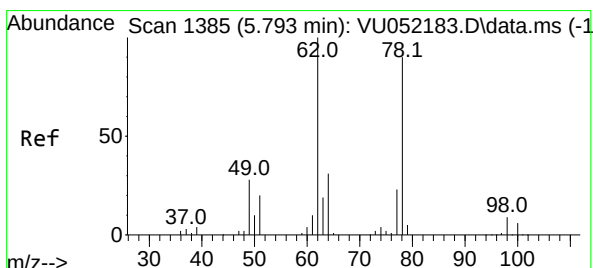
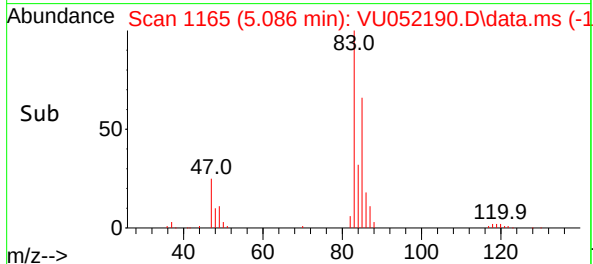
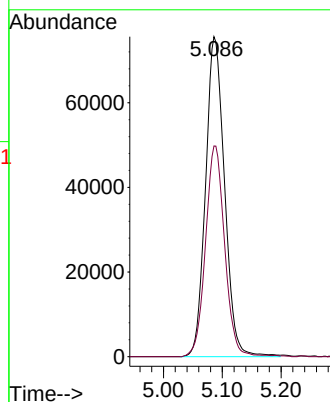
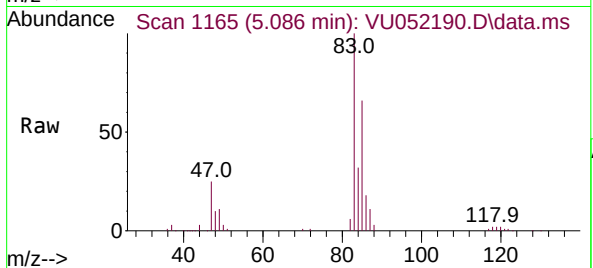
VSTD005093

Tgt Ion: 83 Resp: 169651

Ion Ratio Lower Upper

83 100

85 65.9 43.8 81.4



#27

1,2-Dichloroethane

Concen: 5.472 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.003 min

Lab File: VU052190.D

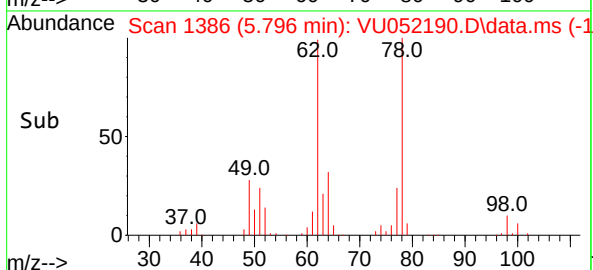
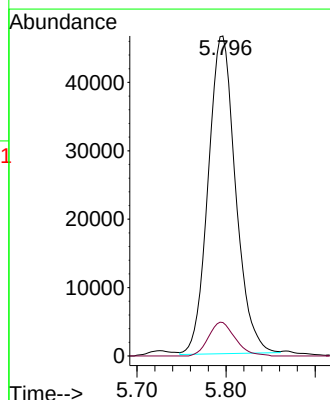
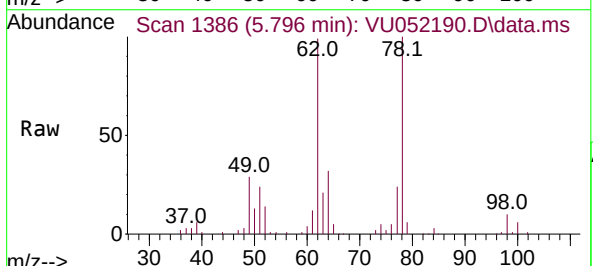
Acq: 06 Dec 2022 15:08

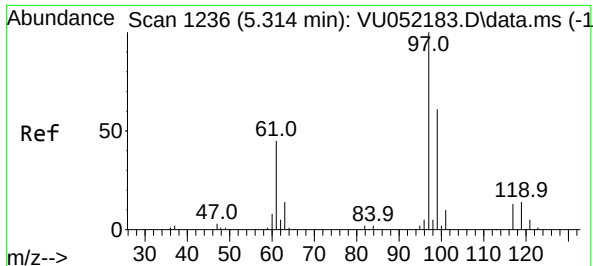
Tgt Ion: 62 Resp: 99412

Ion Ratio Lower Upper

62 100

98 10.4 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 5.549 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052190.D

Acq: 06 Dec 2022 15:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005093

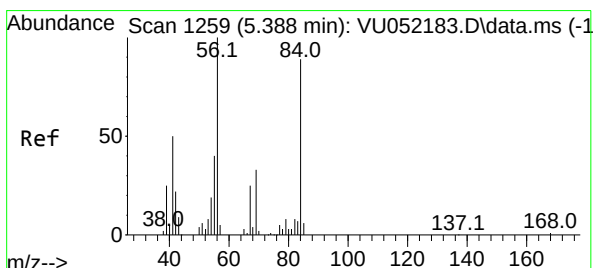
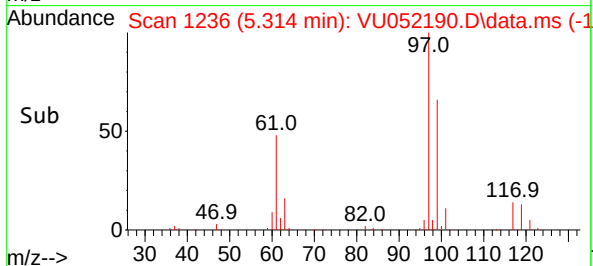
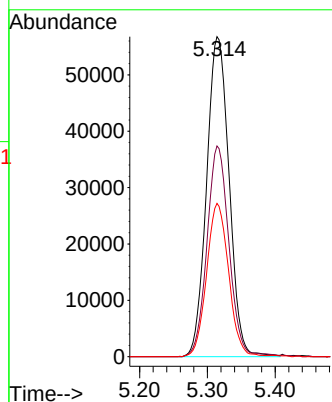
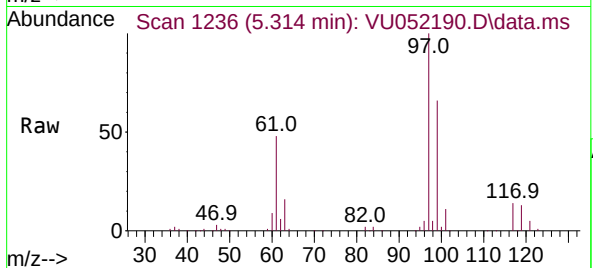
Tgt Ion: 97 Resp: 131058

Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.6

61 46.9 36.9 55.3



#30

Cyclohexane

Concen: 4.880 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU052190.D

Acq: 06 Dec 2022 15:08

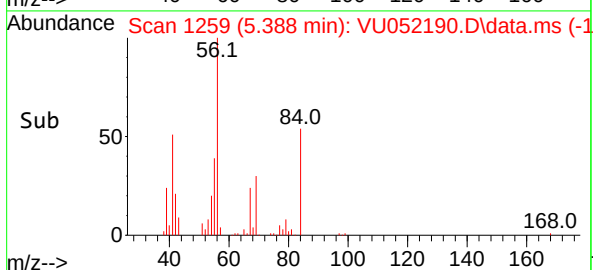
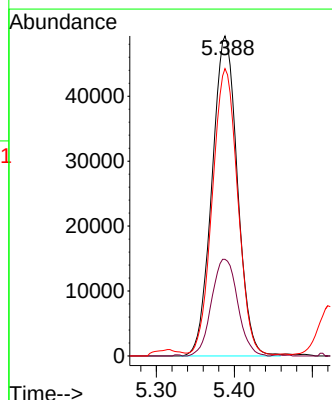
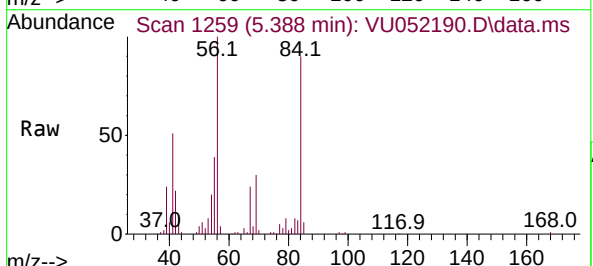
Tgt Ion: 56 Resp: 111912

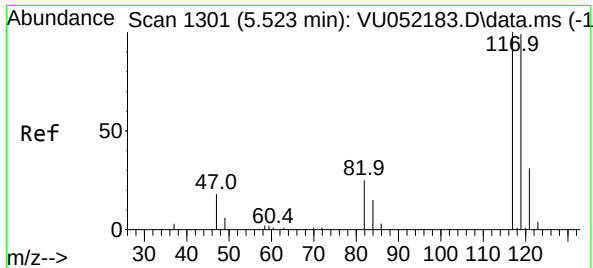
Ion Ratio Lower Upper

56 100

69 30.9 25.6 38.4

84 88.9 72.0 108.0

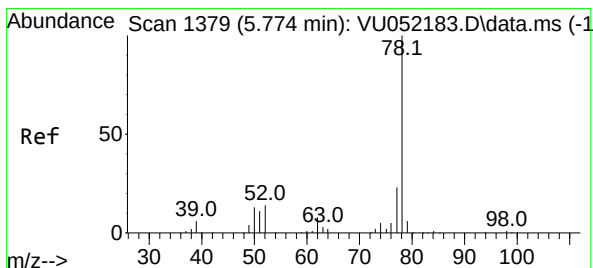
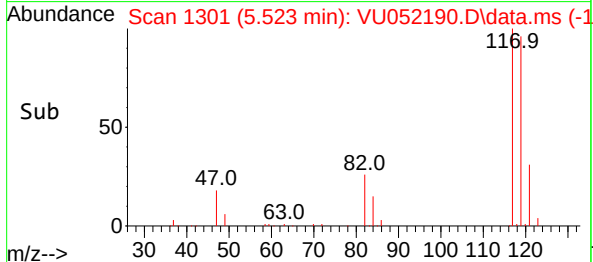
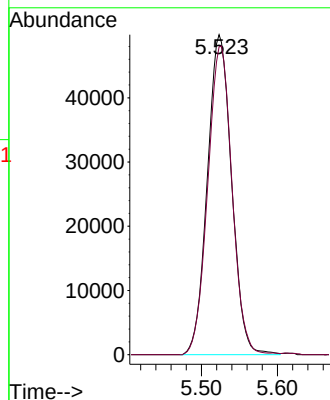
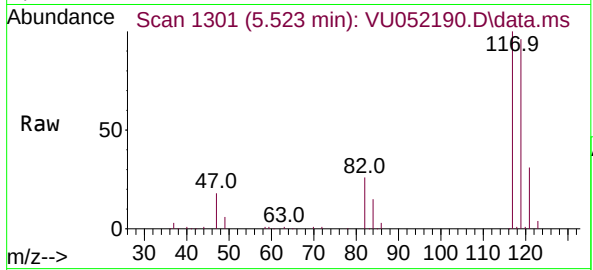




#31
Carbon tetrachloride
Concen: 5.499 ug/L
RT: 5.523 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

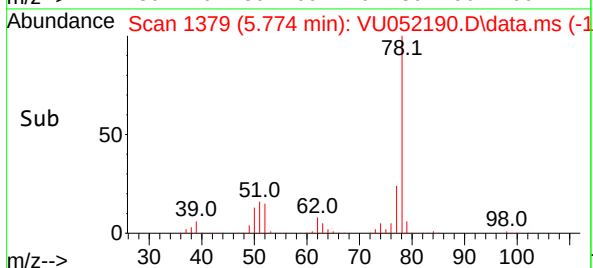
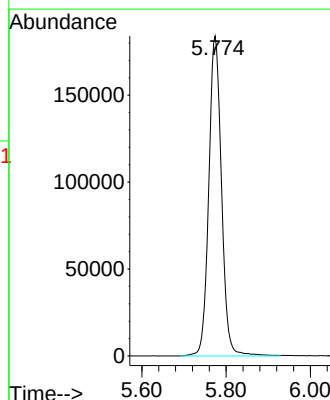
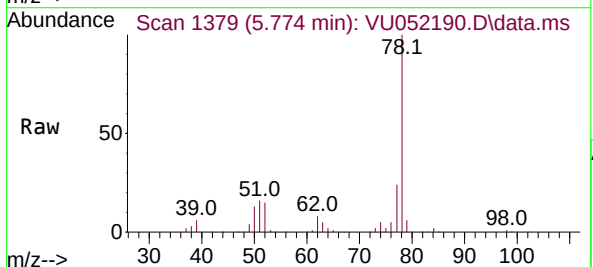
Instrument :
MSVOA_U
ClientSampleId :
VSTD005093

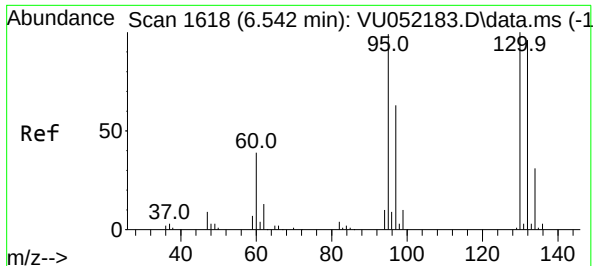
Tgt Ion:117 Resp: 110348
Ion Ratio Lower Upper
117 100
119 96.8 77.2 115.8



#33
Benzene
Concen: 5.572 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

Tgt Ion: 78 Resp: 385994

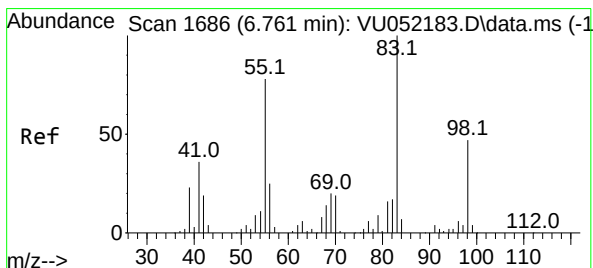
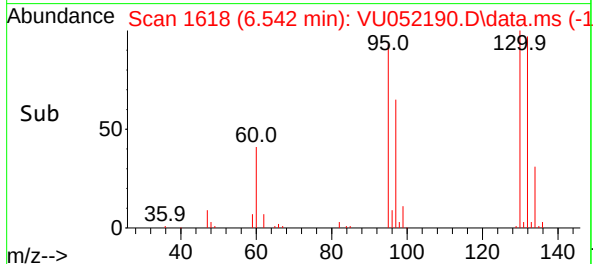
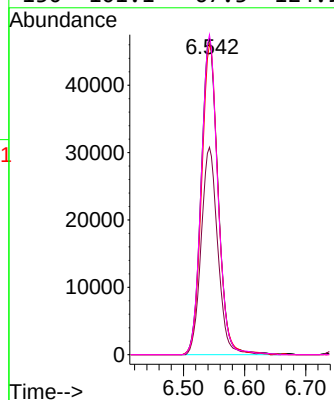
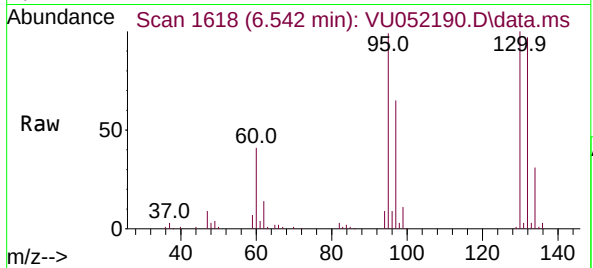




#34
Trichloroethene
Concen: 5.188 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

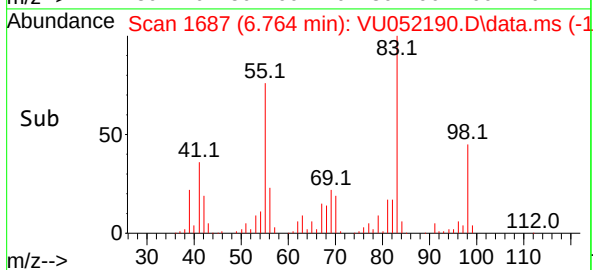
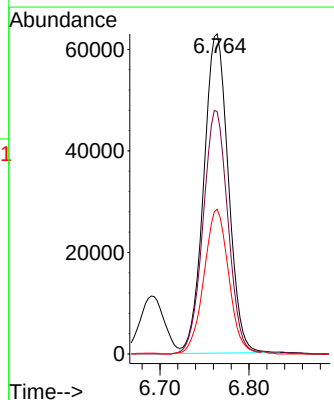
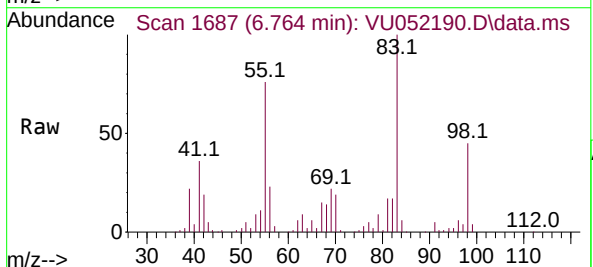
Instrument :
MSVOA_U
ClientSampleId :
VSTD005093

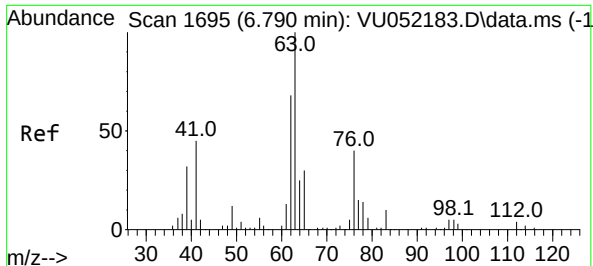
Tgt Ion: 95 Resp: 89638
Ion Ratio Lower Upper
95 100
97 65.6 43.7 81.1
132 98.2 64.3 119.3
130 101.1 67.3 124.9



#35
Methylcyclohexane
Concen: 4.845 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

Tgt Ion: 83 Resp: 120419
Ion Ratio Lower Upper
83 100
55 77.8 60.8 91.2
98 45.7 35.1 52.7

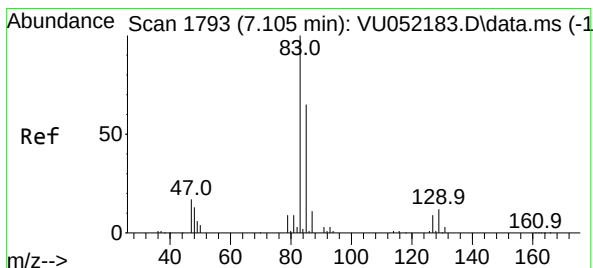
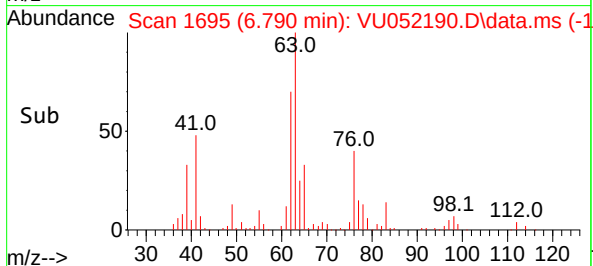
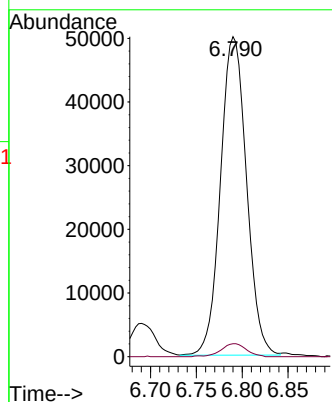
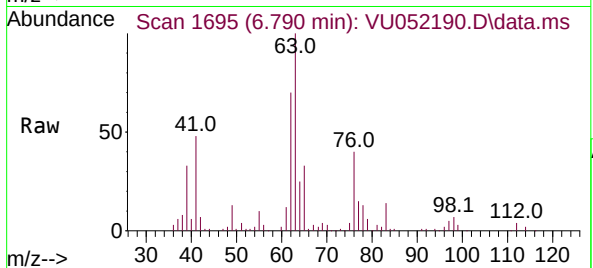




#37
1,2-Dichloropropane
Concen: 5.500 ug/L
RT: 6.790 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

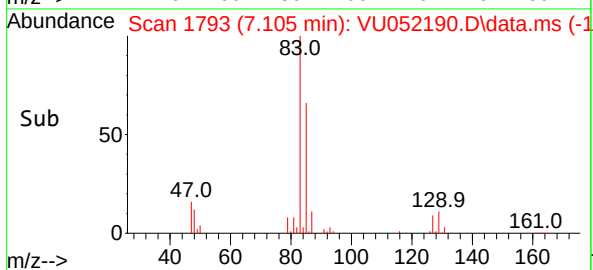
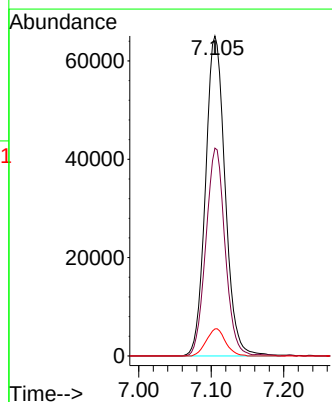
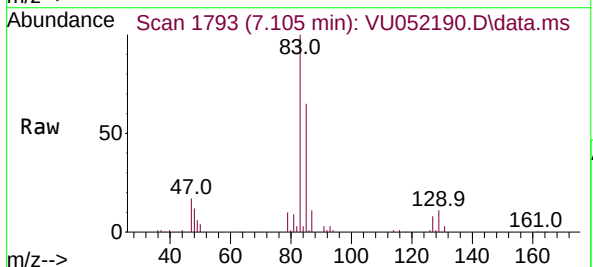
Instrument :
MSVOA_U
ClientSampleId :
VSTD005093

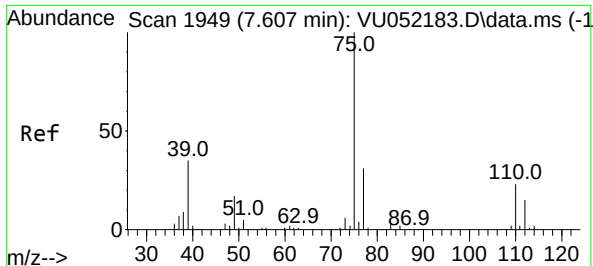
Tgt Ion: 63 Resp: 98656
Ion Ratio Lower Upper
63 100
112 4.0 3.3 4.9



#38
Bromodichloromethane
Concen: 5.596 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

Tgt Ion: 83 Resp: 122370
Ion Ratio Lower Upper
83 100
85 65.0 43.5 80.9
127 8.5 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 5.167 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU052190.D

Acq: 06 Dec 2022 15:08

Instrument :

MSVOA_U

ClientSampleId :

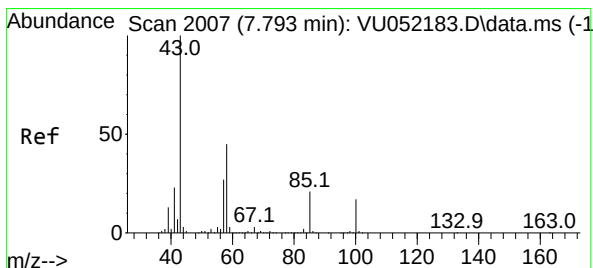
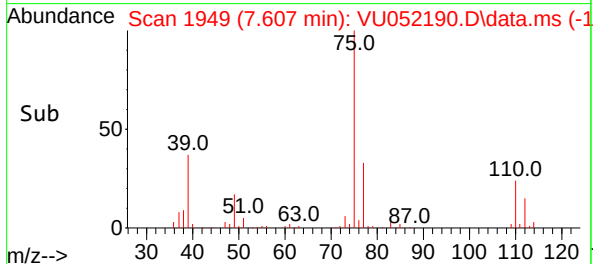
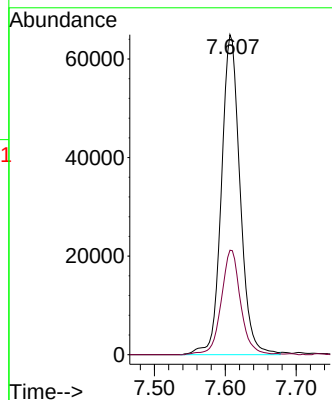
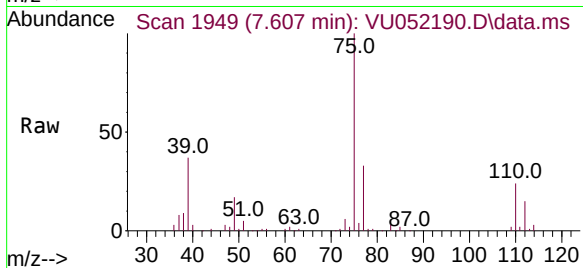
VSTD005093

Tgt Ion: 75 Resp: 118998

Ion Ratio Lower Upper

75 100

77 32.7 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 51.078 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU052190.D

Acq: 06 Dec 2022 15:08

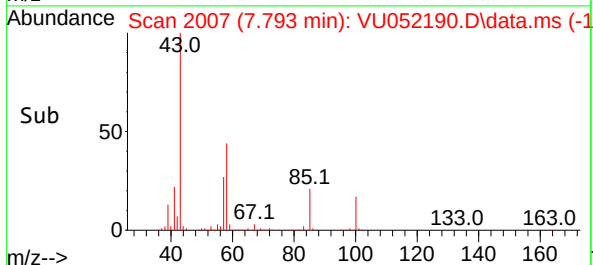
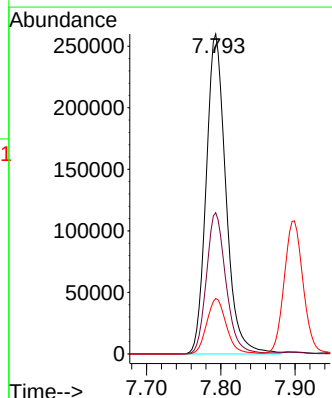
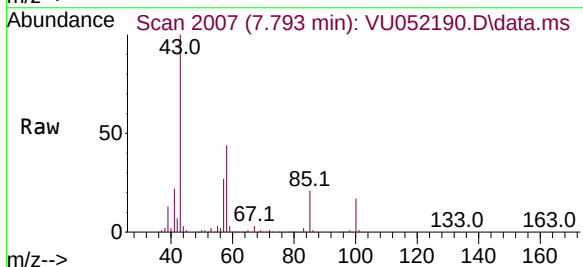
Tgt Ion: 43 Resp: 478560

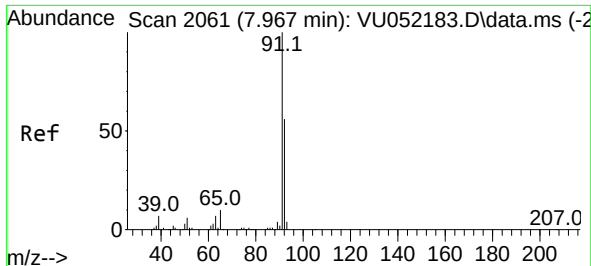
Ion Ratio Lower Upper

43 100

58 43.9 35.3 52.9

100 17.3 13.6 20.4





#42

Toluene

Concen: 5.738 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU052190.D

Acq: 06 Dec 2022 15:08

Instrument :

MSVOA_U

ClientSampleId :

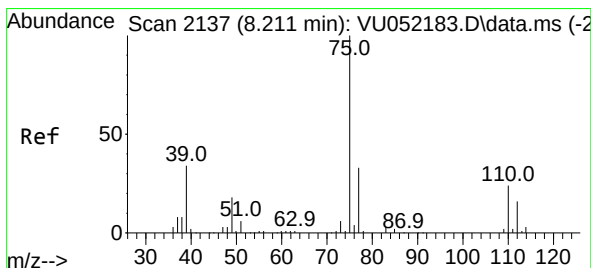
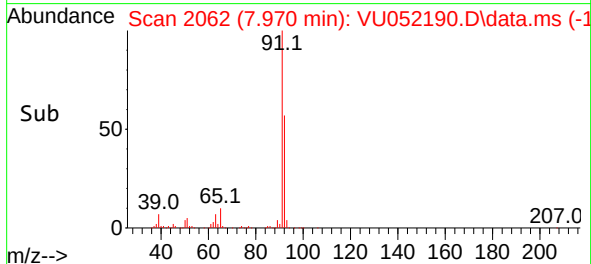
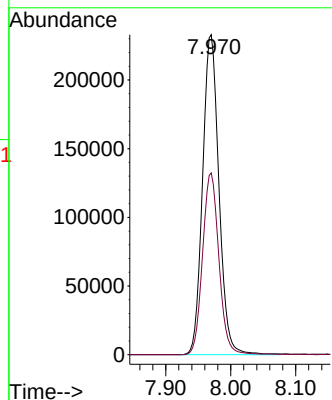
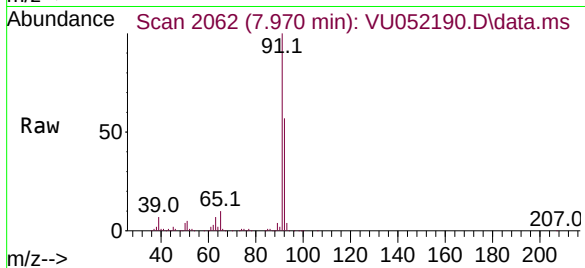
VSTD005093

Tgt Ion: 91 Resp: 408905

Ion Ratio Lower Upper

91 100

92 56.8 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.333 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU052190.D

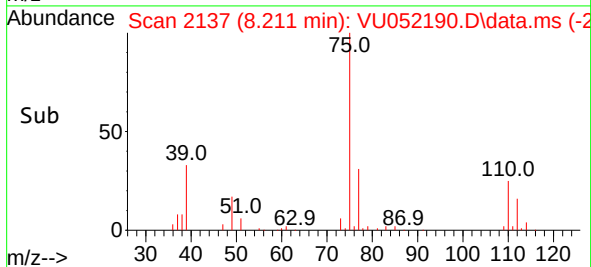
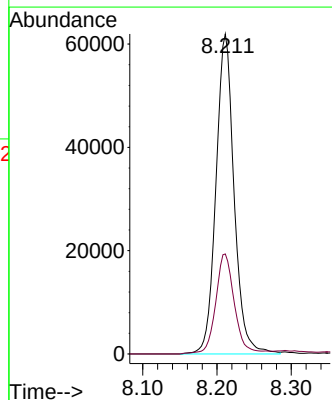
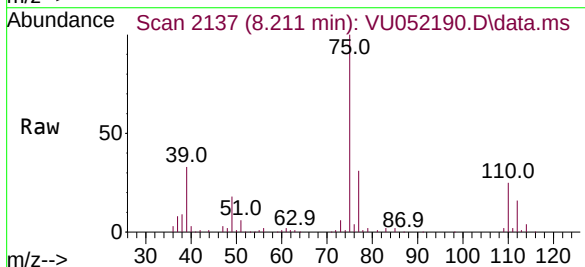
Acq: 06 Dec 2022 15:08

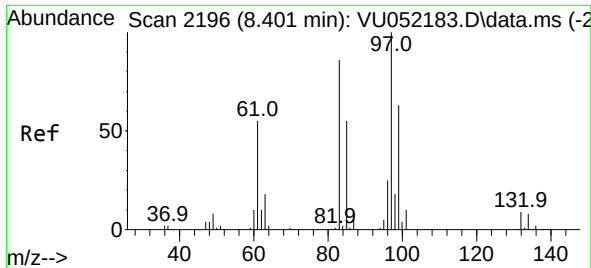
Tgt Ion: 75 Resp: 105169

Ion Ratio Lower Upper

75 100

77 31.2 22.6 42.0

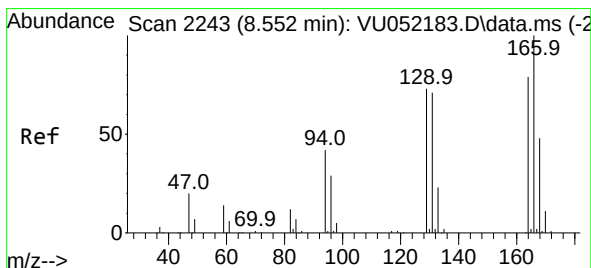
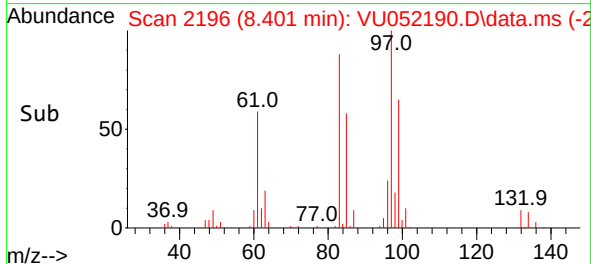
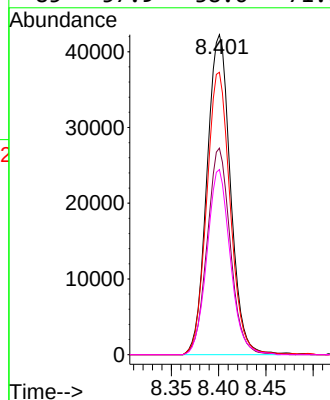
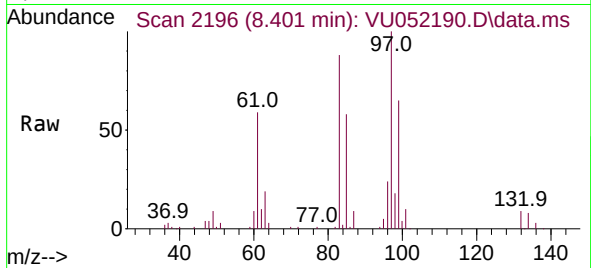




#45
1,1,2-Trichloroethane
Concen: 5.427 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

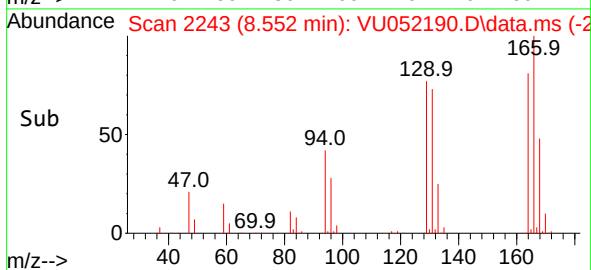
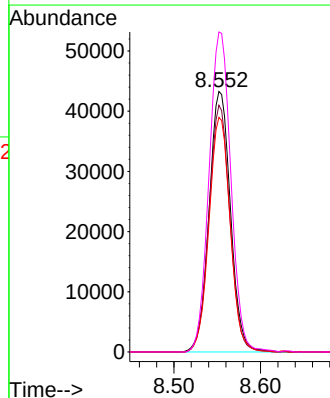
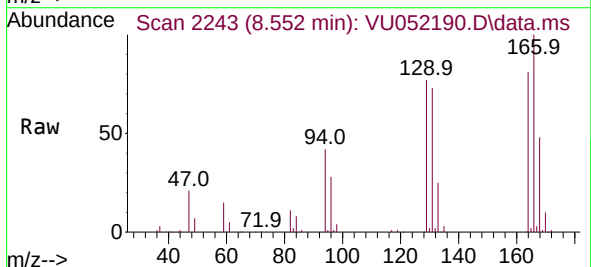
Instrument :
MSVOA_U
ClientSampleId :
VSTD005093

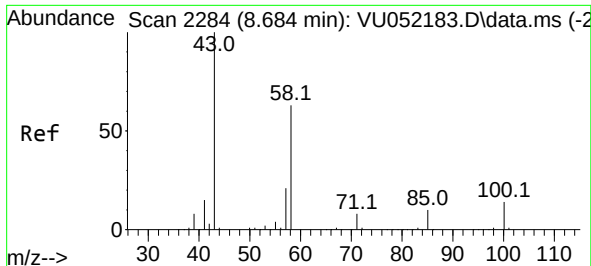
Tgt Ion:	97	Resp:	73154
Ion	Ratio	Lower	Upper
97	100		
99	64.6	42.6	79.2
83	88.2	60.7	112.7
85	57.9	38.6	71.6



#47
Tetrachloroethene
Concen: 5.609 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

Tgt Ion:	164	Resp:	74271
Ion	Ratio	Lower	Upper
164	100		
129	94.7	67.4	125.2
131	90.1	67.1	124.7
166	122.8	89.7	166.5

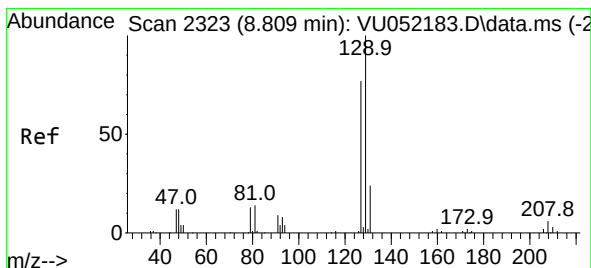
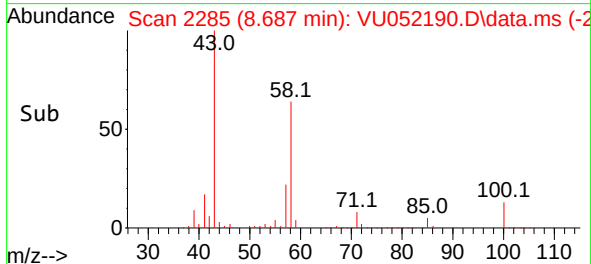
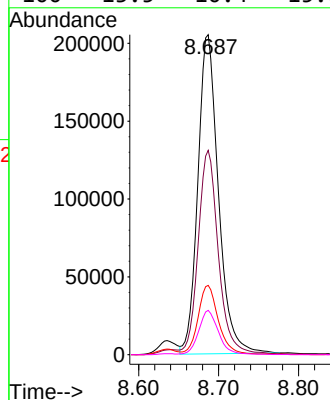
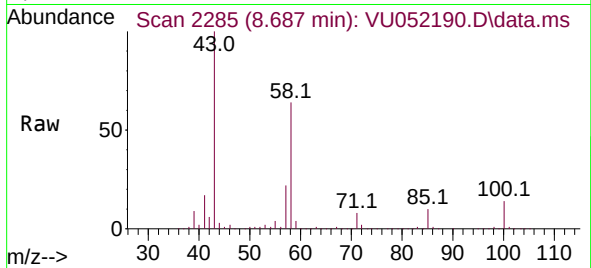




#48
2-Hexanone
Concen: 53.552 ug/L
RT: 8.687 min Scan# 2184
Delta R.T. 0.003 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

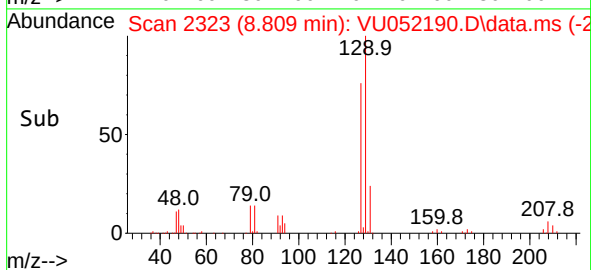
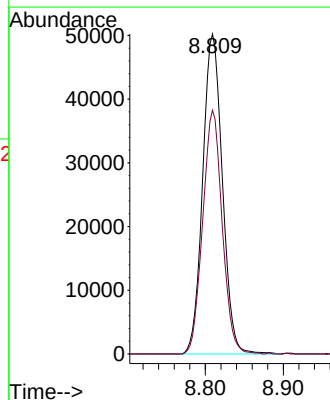
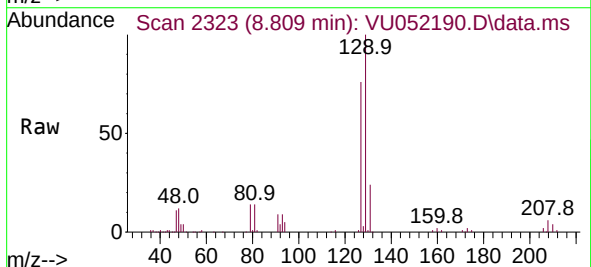
Instrument :
MSVOA_U
ClientSampleId :
VSTD005093

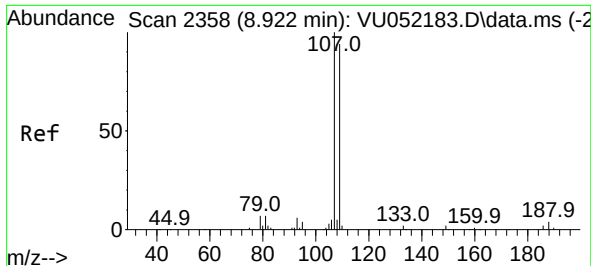
Tgt Ion: 43 Resp: 367833
Ion Ratio Lower Upper
43 100
58 62.2 49.4 74.0
57 21.4 16.3 24.5
100 13.5 10.4 15.6



#49
Dibromochloromethane
Concen: 5.841 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

Tgt Ion: 129 Resp: 88183
Ion Ratio Lower Upper
129 100
127 76.2 52.8 98.2





#50

1,2-Dibromoethane

Concen: 5.373 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU052190.D

Acq: 06 Dec 2022 15:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005093

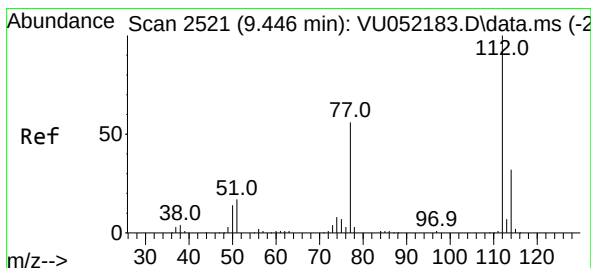
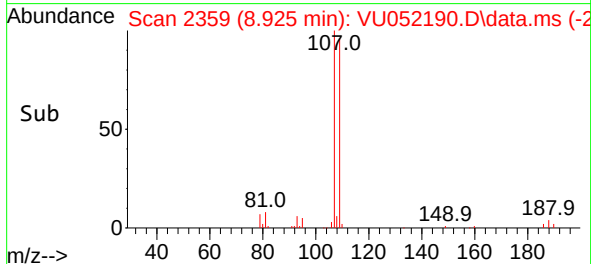
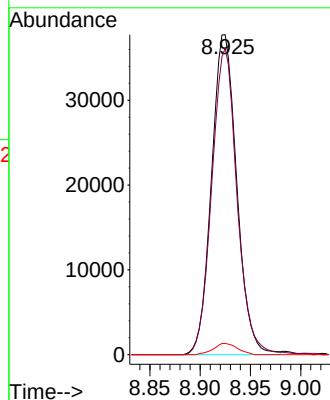
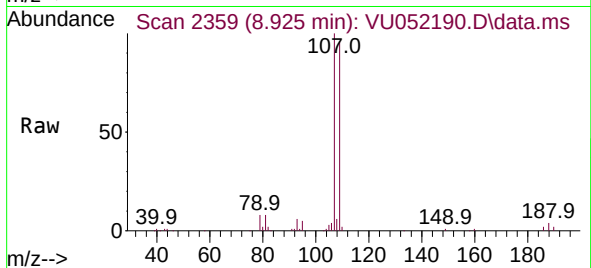
Tgt Ion:107 Resp: 65962

Ion Ratio Lower Upper

107 100

109 95.7 64.9 120.5

188 3.5 2.6 4.0



#51

Chlorobenzene

Concen: 5.413 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU052190.D

Acq: 06 Dec 2022 15:08

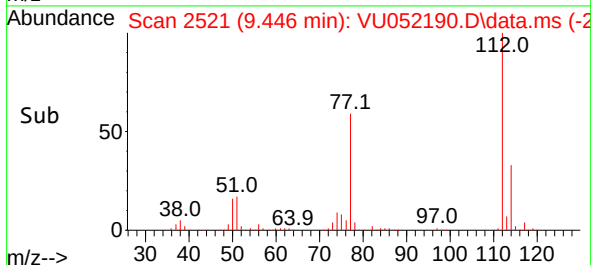
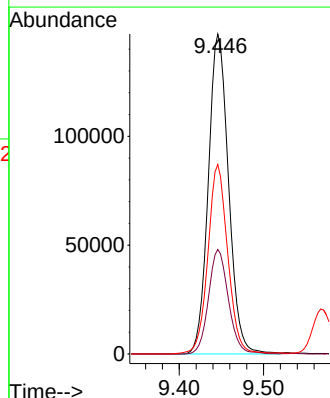
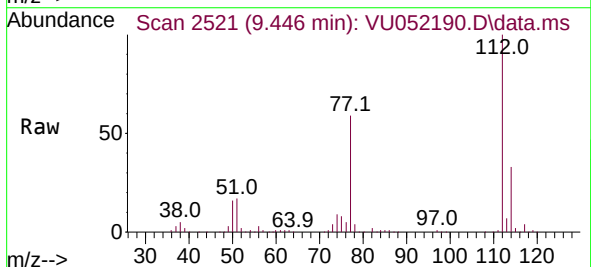
Tgt Ion:112 Resp: 245943

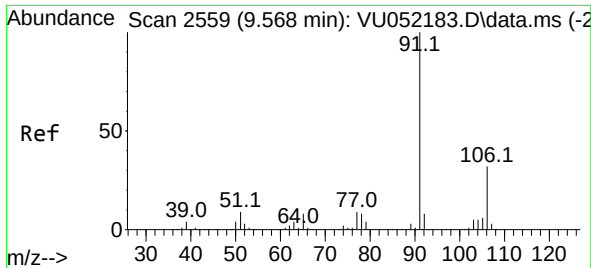
Ion Ratio Lower Upper

112 100

114 32.6 22.2 41.2

77 59.2 46.6 70.0

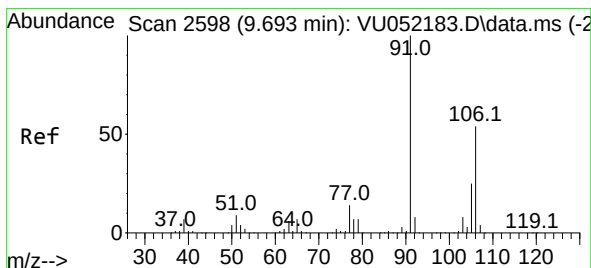
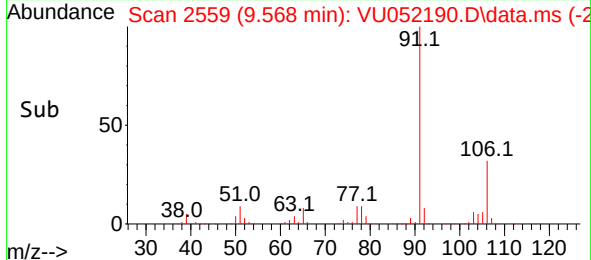
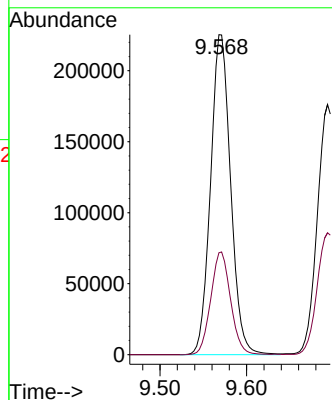
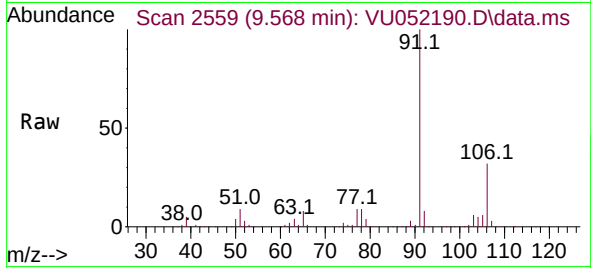




#52
Ethylbenzene
Concen: 5.240 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

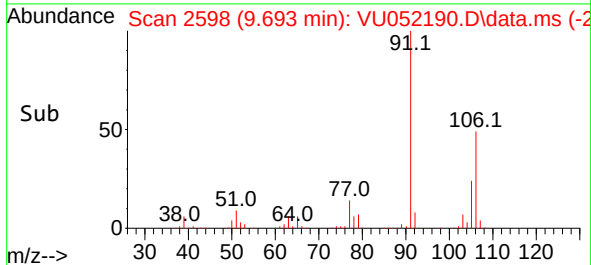
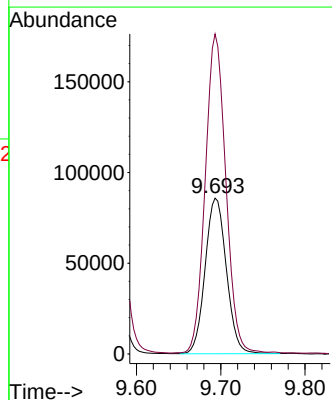
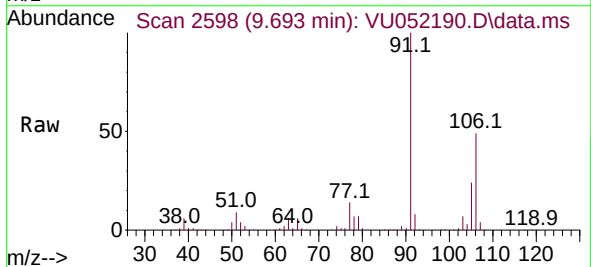
Instrument :
MSVOA_U
ClientSampleId :
VSTD005093

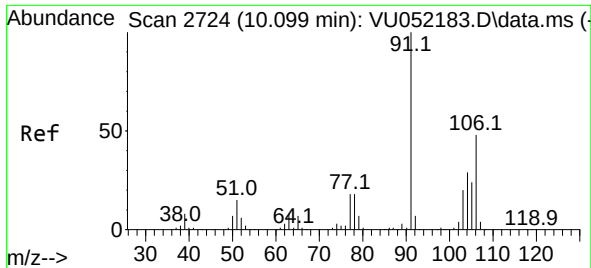
Tgt Ion: 91 Resp: 363041
Ion Ratio Lower Upper
91 100
106 31.8 22.3 41.3



#53
m,p-Xylene
Concen: 5.612 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

Tgt Ion: 106 Resp: 150557
Ion Ratio Lower Upper
106 100
91 205.4 137.7 255.7

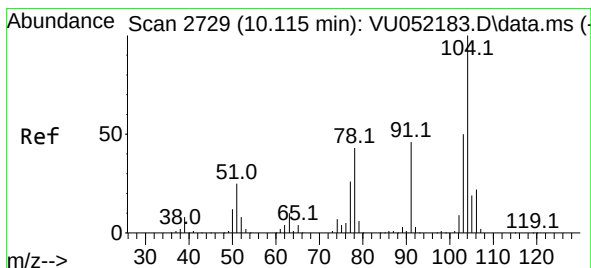
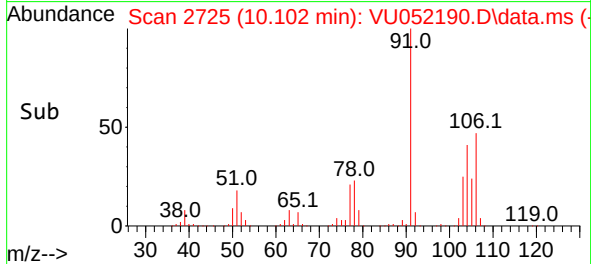
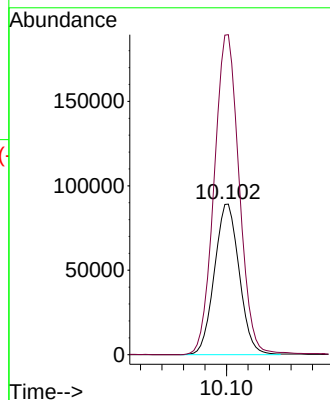
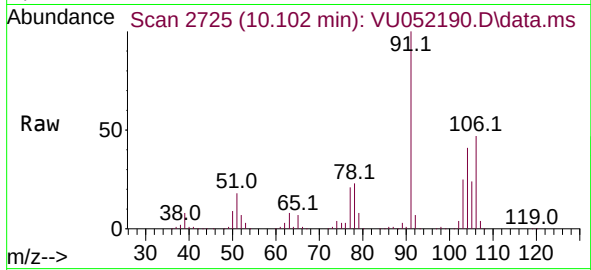




#54
o-Xylene
Concen: 5.562 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

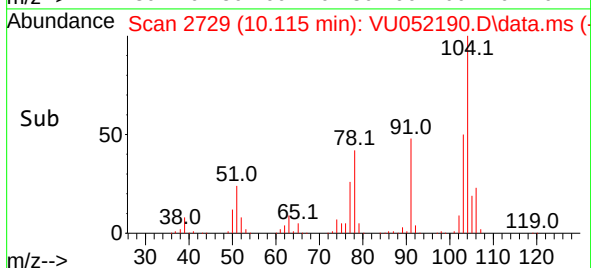
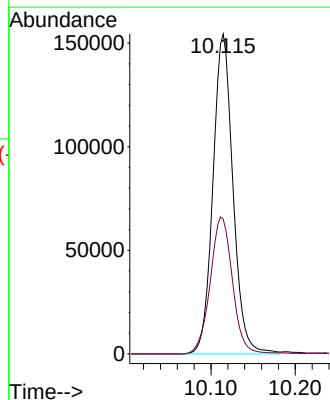
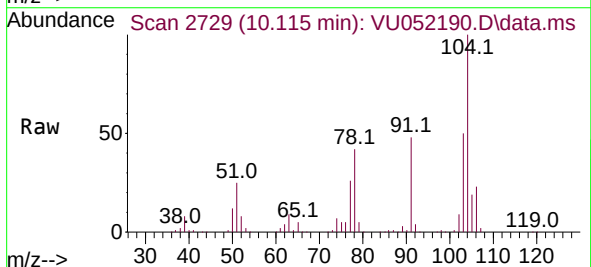
Instrument :
MSVOA_U
ClientSampleId :
VSTD005093

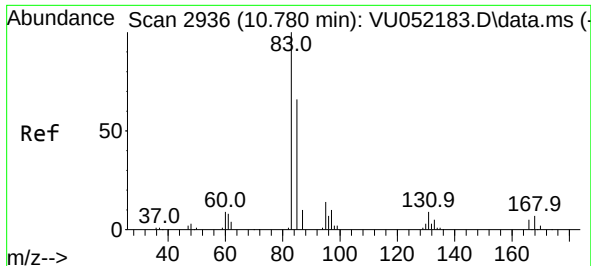
Tgt Ion:106 Resp: 142990
Ion Ratio Lower Upper
106 100
91 212.4 151.5 281.5



#55
Styrene
Concen: 5.875 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

Tgt Ion:104 Resp: 255104
Ion Ratio Lower Upper
104 100
78 42.2 30.6 56.8

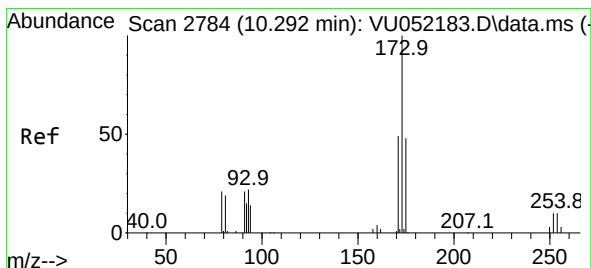
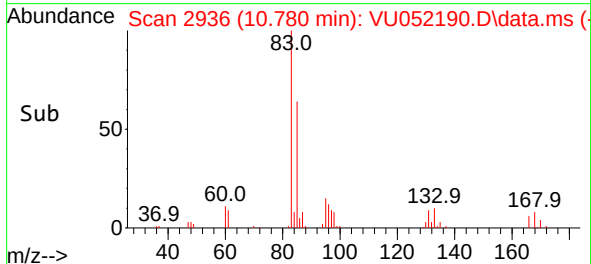
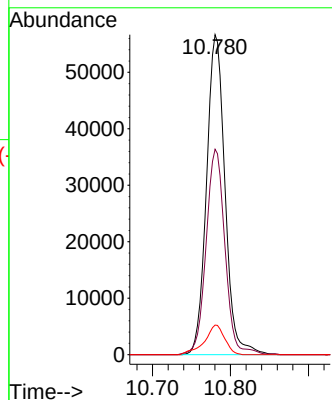
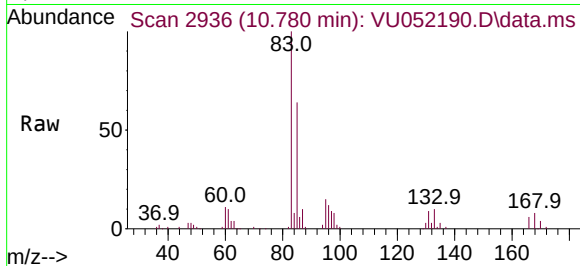




#57
1,1,2,2-Tetrachloroethane
Concen: 5.558 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

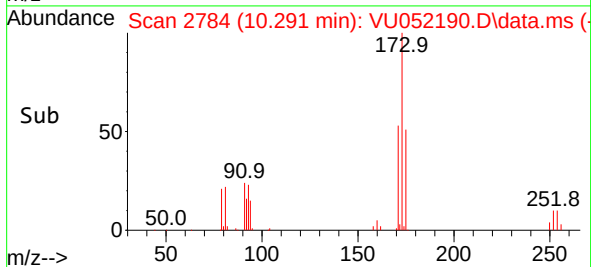
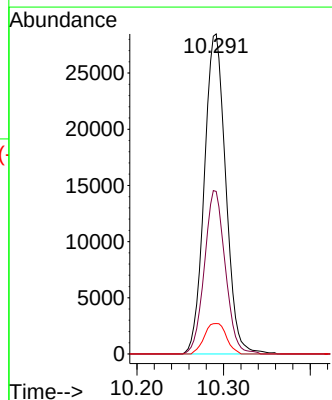
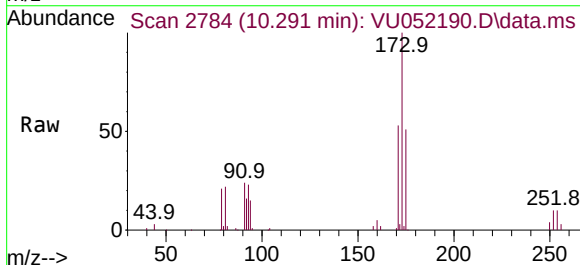
Instrument :
MSVOA_U
ClientSampleId :
VSTD005093

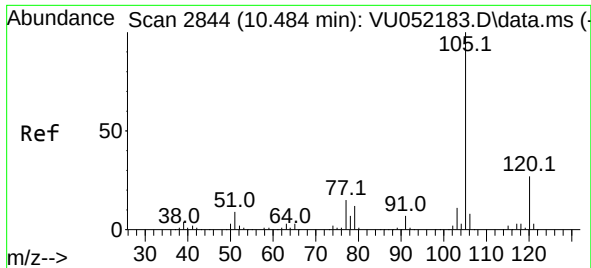
Tgt Ion: 83 Resp: 93570
Ion Ratio Lower Upper
83 100
85 64.2 45.7 84.9
131 9.3 7.6 11.4



#59
Bromoform
Concen: 5.382 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

Tgt Ion: 173 Resp: 48875
Ion Ratio Lower Upper
173 100
175 49.7 37.2 55.8
254 9.8 7.0 10.6

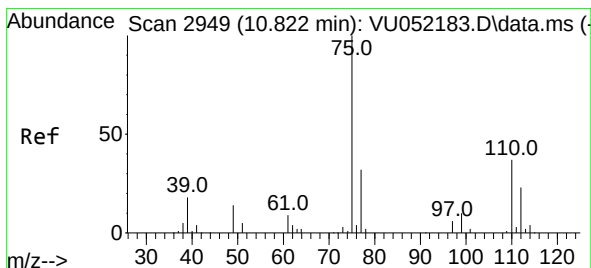
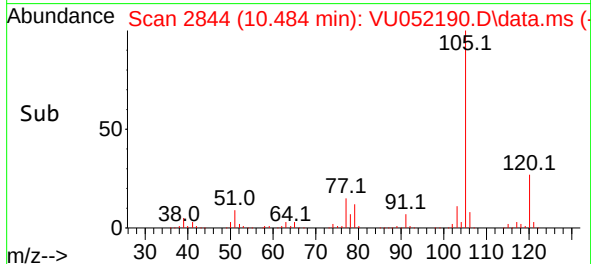
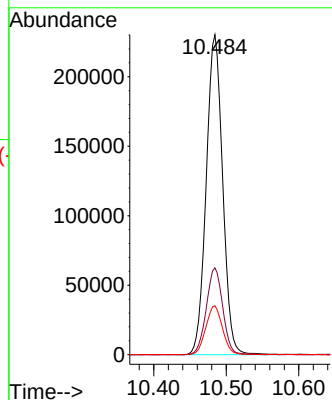
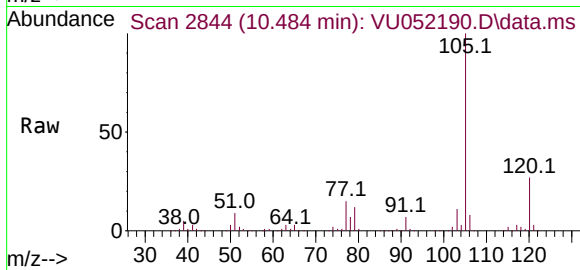




#60
Isopropylbenzene
Concen: 5.232 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

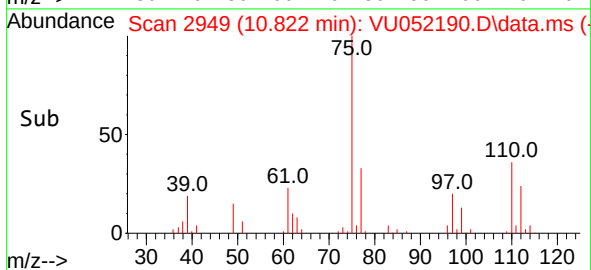
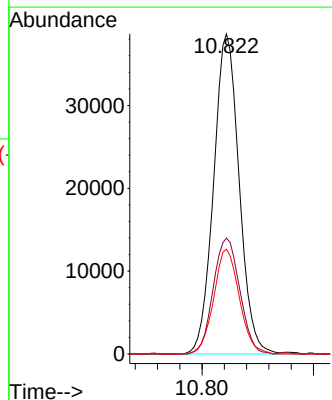
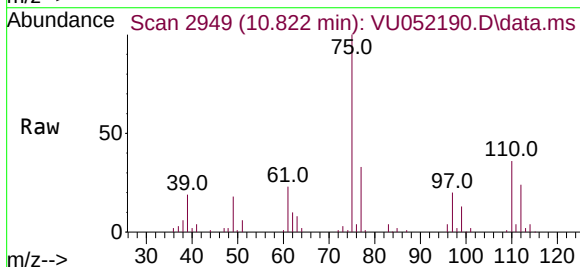
Instrument :
MSVOA_U
ClientSampleId :
VSTD005093

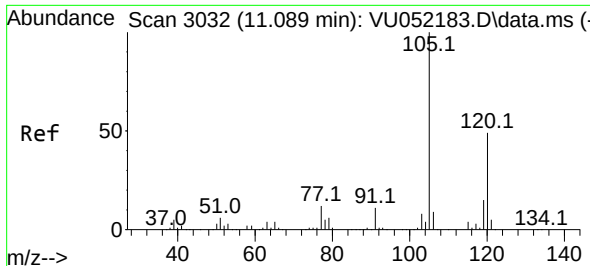
Tgt Ion:105 Resp: 362322
Ion Ratio Lower Upper
105 100
120 27.2 21.0 31.6
77 15.5 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 4.867 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

Tgt Ion: 75 Resp: 61411
Ion Ratio Lower Upper
75 100
110 37.6 28.3 42.5
77 32.9 26.2 39.2

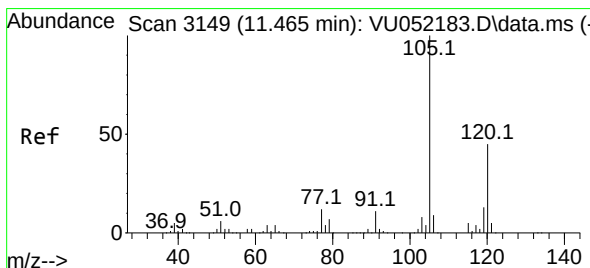
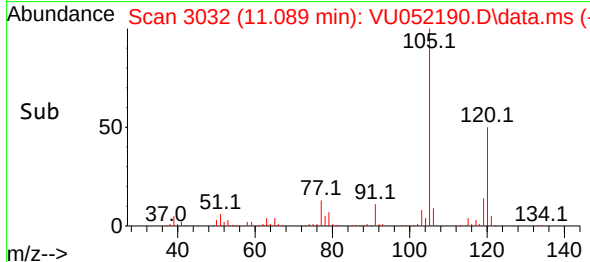
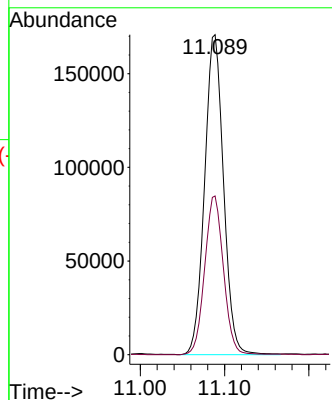
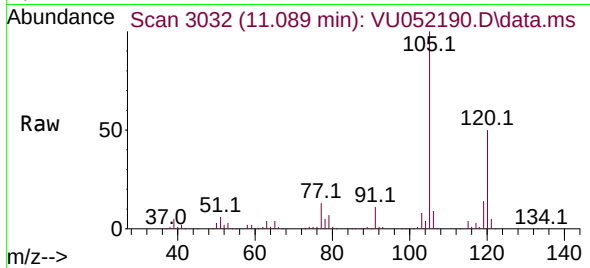




#62
 1,3,5-Trimethylbenzene
 Concen: 4.835 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. -0.000 min
 Lab File: VU052190.D
 Acq: 06 Dec 2022 15:08

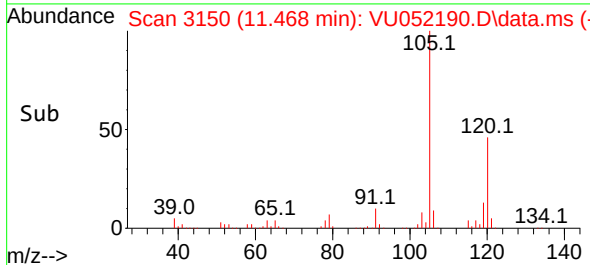
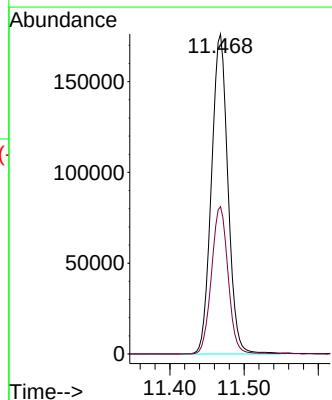
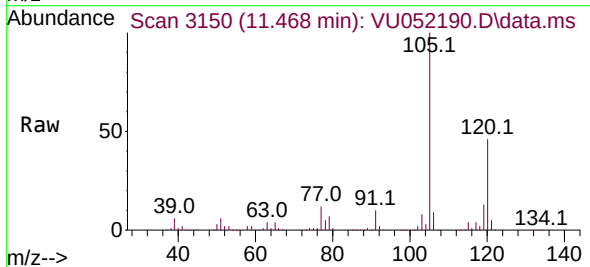
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005093

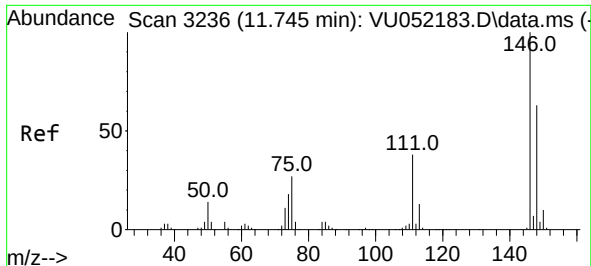
Tgt Ion:105 Resp: 267683
 Ion Ratio Lower Upper
 105 100
 120 49.1 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 4.941 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.003 min
 Lab File: VU052190.D
 Acq: 06 Dec 2022 15:08

Tgt Ion:105 Resp: 271496
 Ion Ratio Lower Upper
 105 100
 120 46.4 36.6 55.0

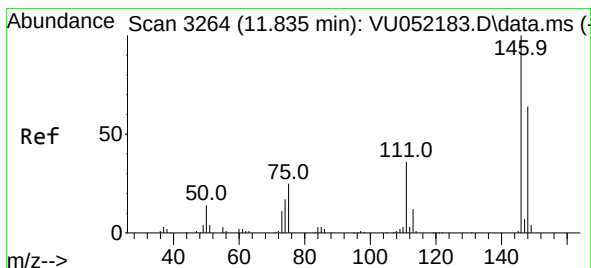
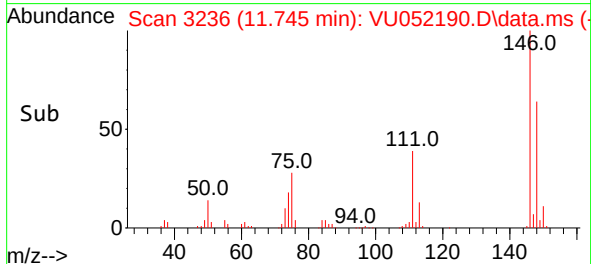
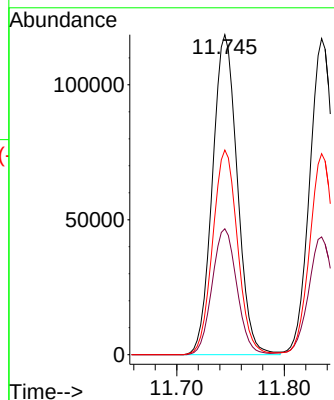
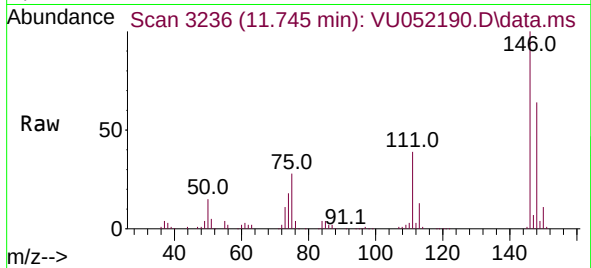




#64
 1,3-Dichlorobenzene
 Concen: 5.391 ug/L
 RT: 11.745 min Scan# 3236
 Delta R.T. -0.000 min
 Lab File: VU052190.D
 Acq: 06 Dec 2022 15:08

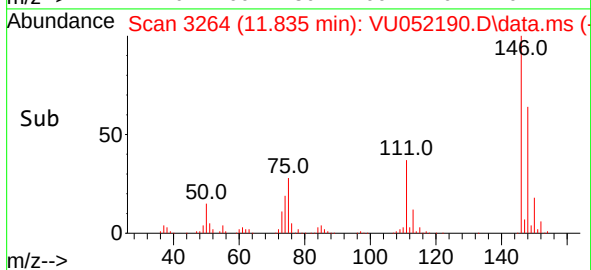
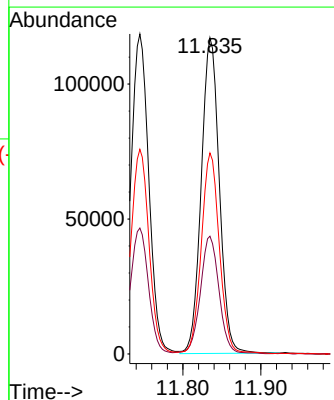
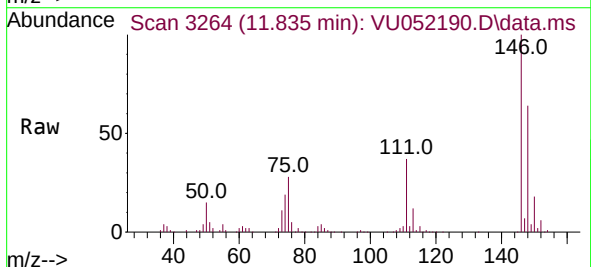
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005093

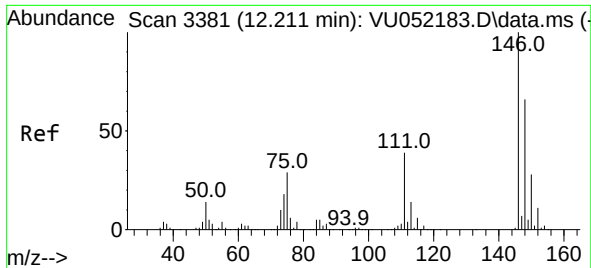
Tgt Ion:146 Resp: 190628
 Ion Ratio Lower Upper
 146 100
 111 39.4 28.6 53.2
 148 64.0 45.4 84.2



#65
 1,4-Dichlorobenzene
 Concen: 5.342 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. -0.000 min
 Lab File: VU052190.D
 Acq: 06 Dec 2022 15:08

Tgt Ion:146 Resp: 188389
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.9 50.1
 148 63.6 45.1 83.7

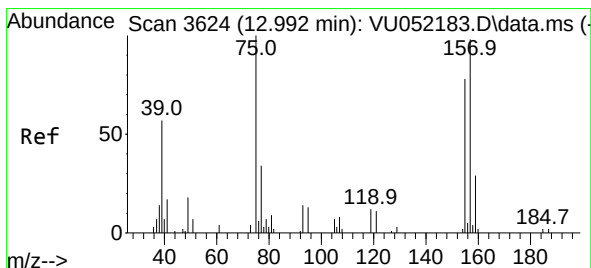
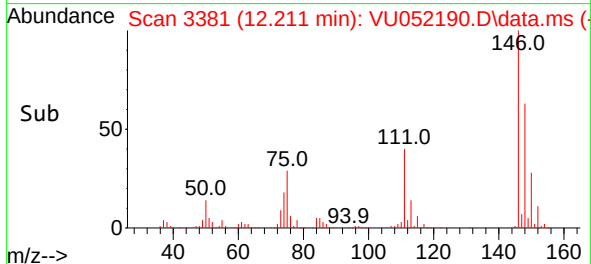
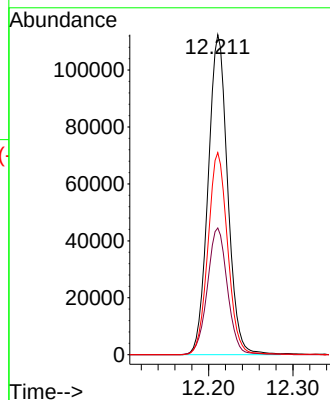
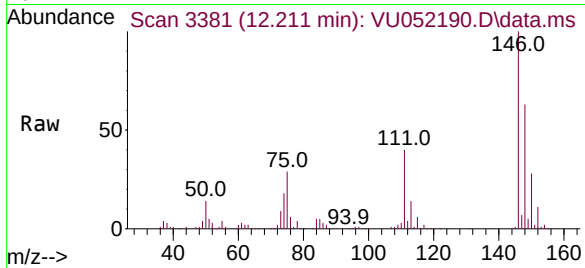




#67
1,2-Dichlorobenzene
Concen: 5.321 ug/L
RT: 12.211 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

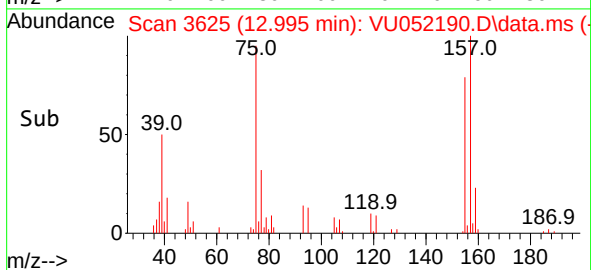
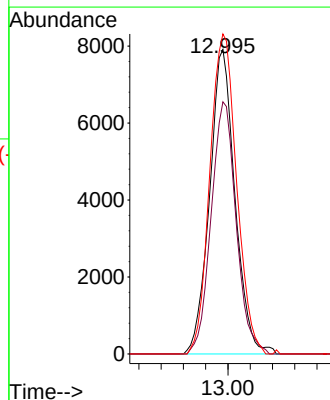
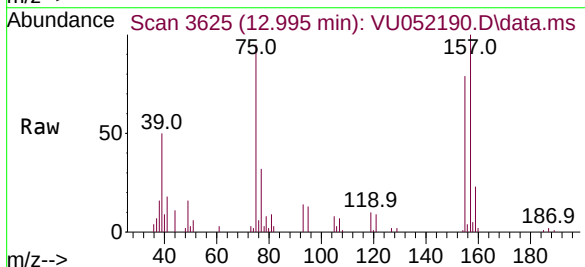
Instrument :
MSVOA_U
ClientSampleId :
VSTD005093

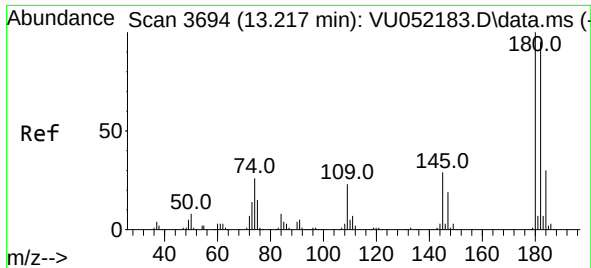
Tgt Ion:146 Resp: 181189
Ion Ratio Lower Upper
146 100
111 39.6 32.7 49.1
148 63.1 50.6 75.8



#68
1,2-Dibromo-3-chloropropane
Concen: 4.534 ug/L
RT: 12.995 min Scan# 3625
Delta R.T. 0.003 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

Tgt Ion: 75 Resp: 12520
Ion Ratio Lower Upper
75 100
155 82.9 65.4 98.2
157 105.1 80.5 120.7



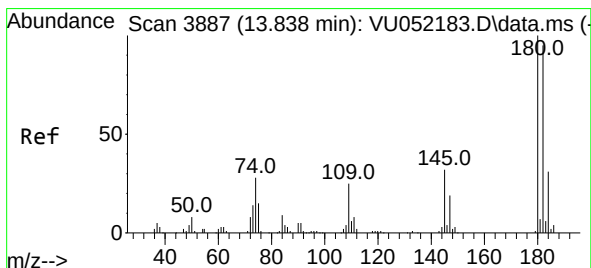
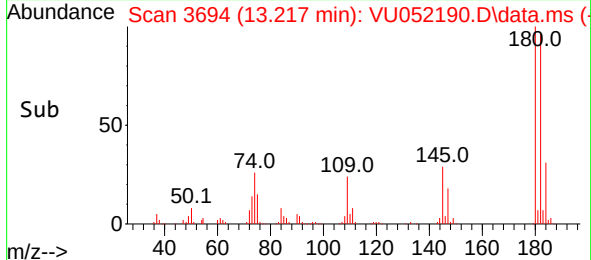
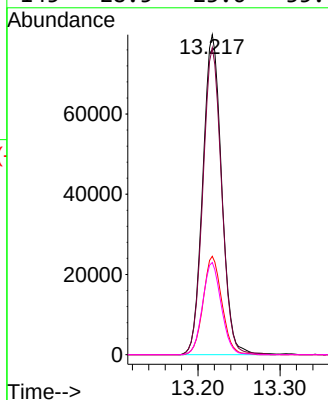
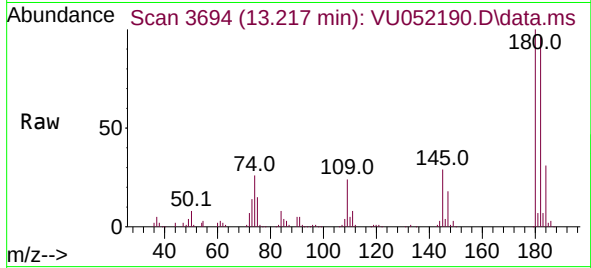


#69
1,3,5-Trichlorobenzene
Concen: 5.082 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD005093

Tgt Ion:180 Resp: 127421

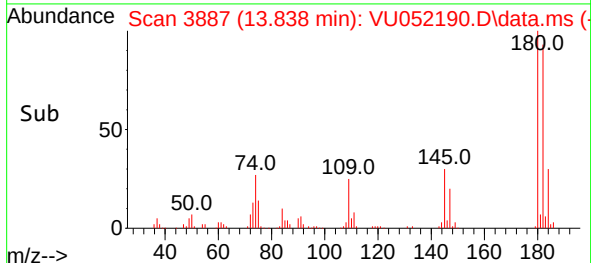
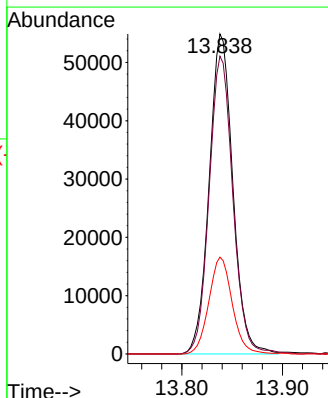
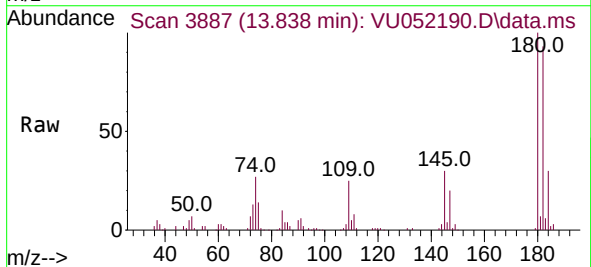
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.7	113.5
184	30.5	24.3	36.5
145	28.5	23.6	35.4

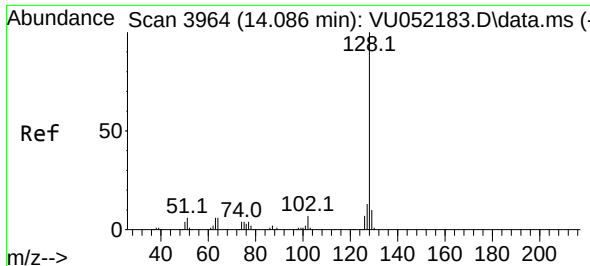


#70
1,2,4-trichlorobenzene
Concen: 4.696 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

Tgt Ion:180 Resp: 89665

Ion	Ratio	Lower	Upper
180	100		
182	93.2	76.3	114.5
145	29.9	24.6	36.8

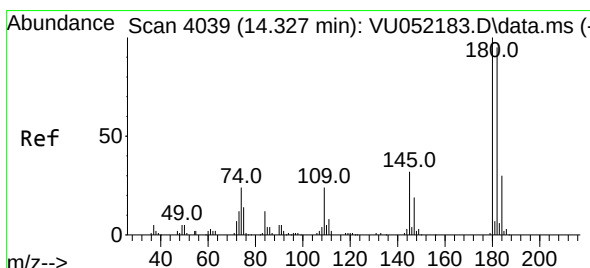
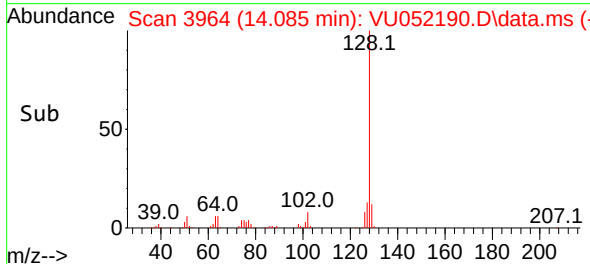
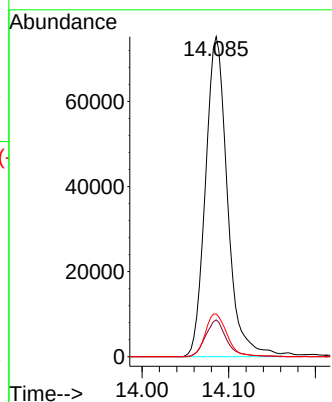
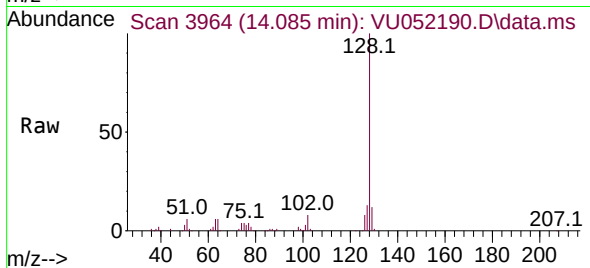




#71
Naphthalene
Concen: 3.702 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD005093

Tgt Ion:	128	Resp:	132715
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.3	12.5
127	13.2	10.2	15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.529 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU052190.D
Acq: 06 Dec 2022 15:08

Tgt Ion:	180	Resp:	85077
Ion Ratio	Lower	Upper	
180	100		
182	97.7	75.7	113.5
145	32.2	24.5	36.7

