

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051823\
 Data File : VU054162.D
 Acq On : 18 May 2023 12:18
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005166

Quant Time: May 19 01:58:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 19 01:52:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	225084	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	213396	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	117528	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	49331	4.065	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.400%
7) Chloroethane-d5	1.912	69	37654	4.148	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.000%
11) 1,1-Dichloroethene-d2	2.565	65	21523	3.927	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.600%
20) 2-Butanone-d5	4.633	46	86541	39.990	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.980%
24) Chloroform-d	5.060	84	89121	3.906	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.200%
26) 1,2-Dichloroethane-d4	5.697	65	40800	3.887	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.800%
32) Benzene-d6	5.723	84	175856	4.047	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.000%
36) 1,2-Dichloropropane-d6	6.687	67	52533	4.182	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.600%
41) Toluene-d8	7.893	98	168333	4.102	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.000%
43) trans-1,3-Dichloroprop...	8.176	79	19967	3.936	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.800%
46) 2-Hexanone-d5	8.629	63	62051	41.078	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.160%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	35874	3.985	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.600%
66) 1,2-Dichlorobenzene-d4	12.188	152	59732	4.165	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	71816	4.220	ug/L	99
3) Chloromethane	1.517	50	66432	4.211	ug/L	100
5) Vinyl chloride	1.604	62	72359	4.318	ug/L	99
6) Bromomethane	1.858	94	45388	4.464	ug/L	95
8) Chloroethane	1.935	64	44543	4.196	ug/L	97
9) Trichlorofluoromethane	2.137	101	114825	4.313	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	69189	4.483	ug/L	98
12) 1,1-Dichloroethene	2.578	96	58444	4.242	ug/L	97
13) Acetone	2.645	43	125876	42.757	ug/L	96
14) Carbon disulfide	2.790	76	147873	4.272	ug/L	100
15) Methyl Acetate	2.954	43	22466	4.257	ug/L	100
16) Methylene chloride	3.041	84	77336	4.288	ug/L	97
17) Methyl tert-butyl Ether	3.359	73	147280	4.246	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	59443	4.242	ug/L	95
19) 1,1-Dichloroethane	3.864	63	118802	4.234	ug/L	98
21) 2-Butanone	4.710	43	168244	43.144	ug/L	97
22) cis-1,2-Dichloroethene	4.661	96	68704	4.193	ug/L	96
23) Bromochloromethane	4.970	128	30326	4.237	ug/L	97
25) Chloroform	5.083	83	125745	4.132	ug/L	100

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 ALS Vial : 8 Sample Multiplier: 1

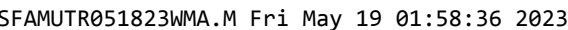
Instrument :
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 ClientSampleId :
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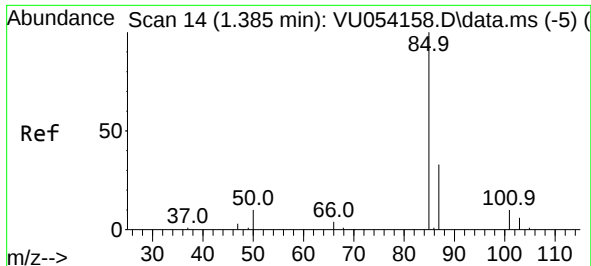
Quant Time: May 19 01:58:27 2023
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	72995	4.171	ug/L	99
29) 1,1,1-Trichloroethane	5.311	97	111767	4.184	ug/L	99
30) Cyclohexane	5.382	56	97200	4.470	ug/L	98
31) Carbon tetrachloride	5.520	117	97681	4.217	ug/L	99
33) Benzene	5.771	78	260967	4.321	ug/L	100
34) Trichloroethene	6.539	95	68793	4.235	ug/L	97
35) Methylcyclohexane	6.758	83	104215	4.388	ug/L	99
37) 1,2-Dichloropropane	6.787	63	67521	4.257	ug/L	99
38) Bromodichloromethane	7.102	83	84995	4.232	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	101923	4.314	ug/L	97
40) 4-Methyl-2-pentanone	7.787	43	356068	44.106	ug/L	99
42) Toluene	7.964	91	282321	4.424	ug/L	97
44) trans-1,3-Dichloropropene	8.205	75	82876	4.273	ug/L	95
45) 1,1,2-Trichloroethane	8.394	97	49039	4.291	ug/L	98
47) Tetrachloroethene	8.549	164	58733	4.400	ug/L	99
48) 2-Hexanone	8.681	43	272213	44.597	ug/L	100
49) Dibromochloromethane	8.806	129	53581	4.199	ug/L	100
50) 1,2-Dibromoethane	8.919	107	45039	4.288	ug/L	96
51) Chlorobenzene	9.443	112	185245	4.293	ug/L	98
52) Ethylbenzene	9.565	91	318712	4.481	ug/L	99
53) m,p-Xylene	9.690	106	122406	4.531	ug/L	97
54) o-Xylene	10.095	106	118518	4.442	ug/L	99
55) Styrene	10.108	104	199843	4.581	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	57188	4.214	ug/L	99
59) Bromoform	10.288	173	32120	4.250	ug/L	98
60) Isopropylbenzene	10.481	105	327557	4.568	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	40204	4.219	ug/L	98
62) 1,3,5-Trimethylbenzene	11.082	105	268228	4.582	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	269515	4.613	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	158241	4.421	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	159806	4.494	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	143590	4.371	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	8445	4.146	ug/L	85
69) 1,3,5-Trichlorobenzene	13.214	180	121691	4.557	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	101803	4.604	ug/L	100
71) Naphthalene	14.082	128	154044	4.816	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	88597	4.734	ug/L	99

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

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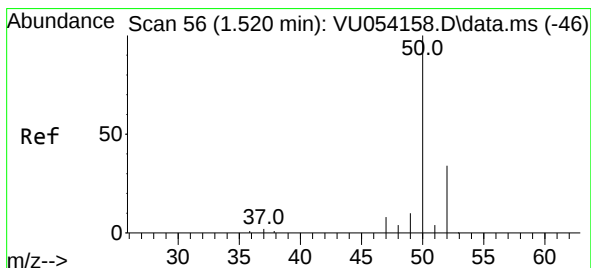
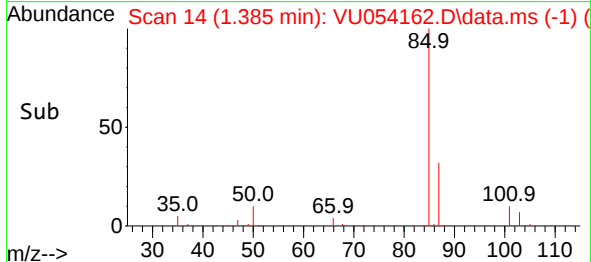
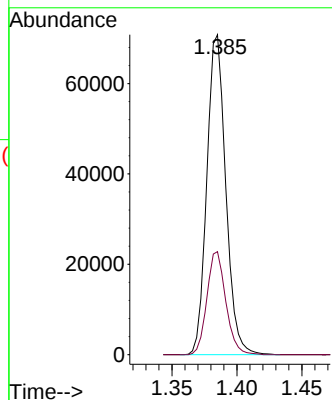
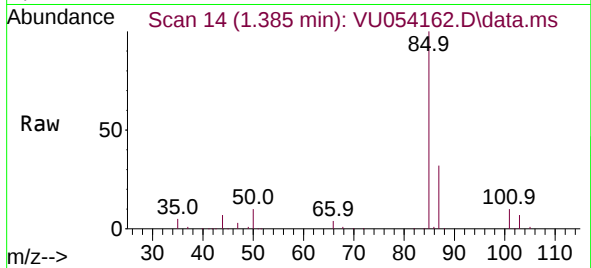




#2
Dichlorodifluoromethane
Concen: 4.220 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

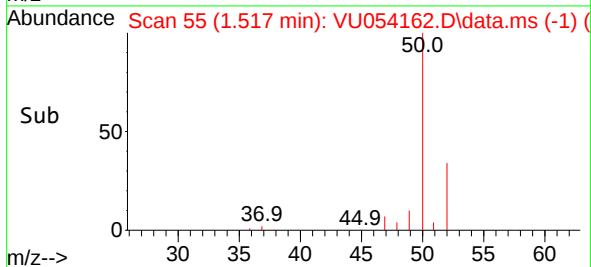
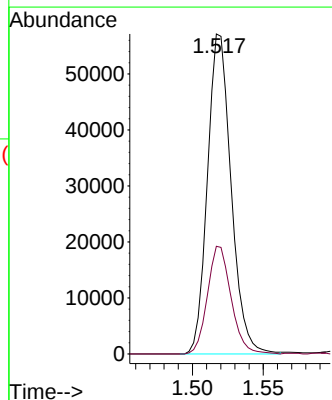
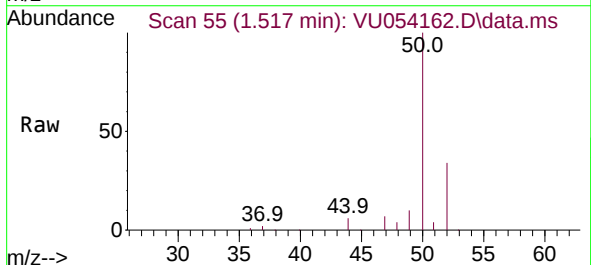
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MSVOA_U
ClientSampleId :
VSTD005166

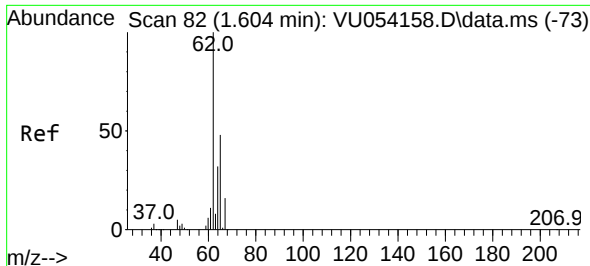
Tgt Ion: 85 Resp: 71816
Ion Ratio Lower Upper
85 100
87 32.1 26.1 39.1



#3
Chloromethane
Concen: 4.211 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

Tgt Ion: 50 Resp: 66432
Ion Ratio Lower Upper
50 100
52 33.7 23.7 44.1

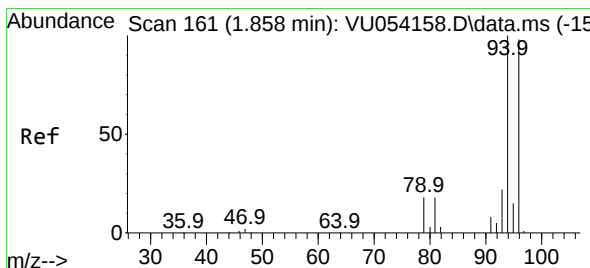
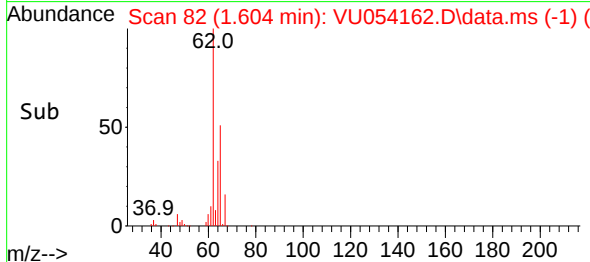
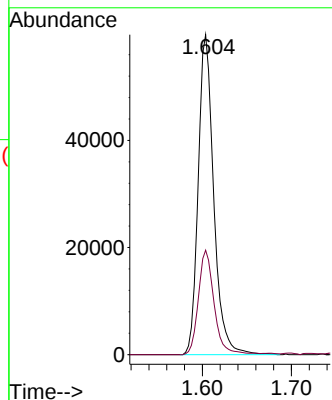
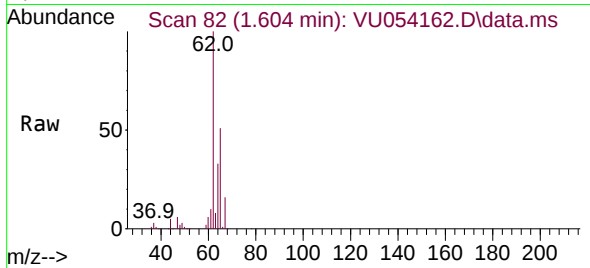




#5
 Vinyl chloride
 Concen: 4.318 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU054162.D
 Acq: 18 May 2023 12:18

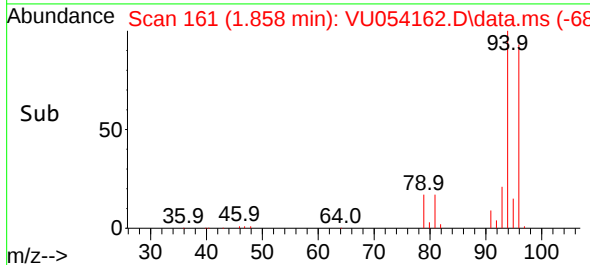
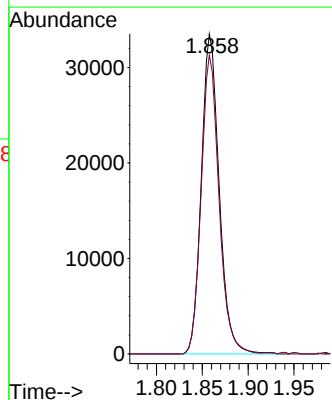
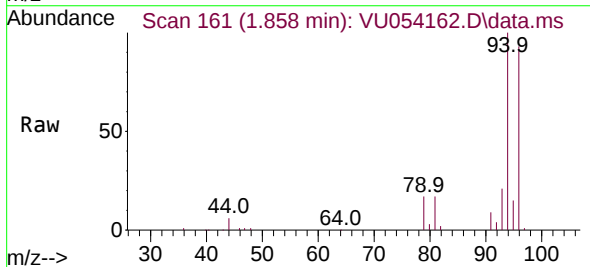
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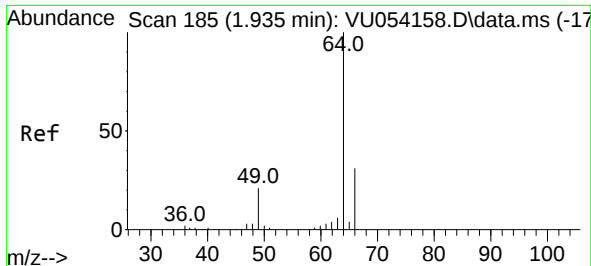
Tgt Ion: 62 Resp: 72359
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.4 41.6



#6
 Bromomethane
 Concen: 4.464 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU054162.D
 Acq: 18 May 2023 12:18

Tgt Ion: 94 Resp: 45388
 Ion Ratio Lower Upper
 94 100
 96 93.4 68.7 127.5





#8

Chloroethane

Concen: 4.196 ug/L

RT: 1.935 min Scan# 185

Delta R.T. -0.000 min

Lab File: VU054162.D

Acq: 18 May 2023 12:18

Instrument :

MSVOA_U

ClientSampleId :

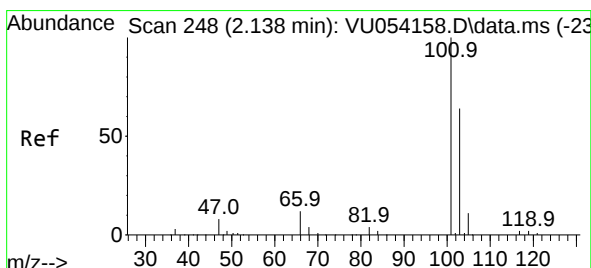
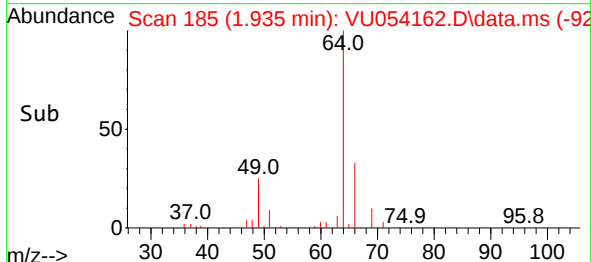
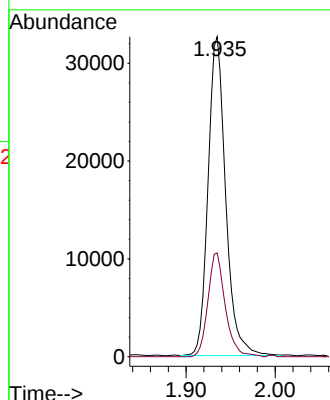
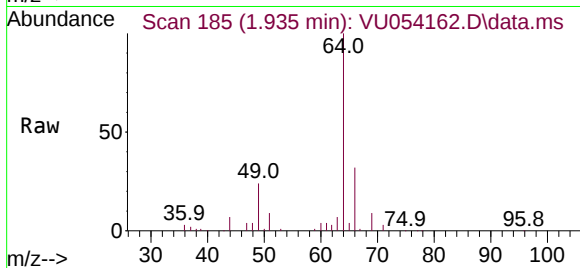
VSTD005166

Tgt Ion: 64 Resp: 44543

Ion Ratio Lower Upper

64 100

66 32.4 21.6 40.0



#9

Trichlorofluoromethane

Concen: 4.313 ug/L

RT: 2.137 min Scan# 248

Delta R.T. -0.000 min

Lab File: VU054162.D

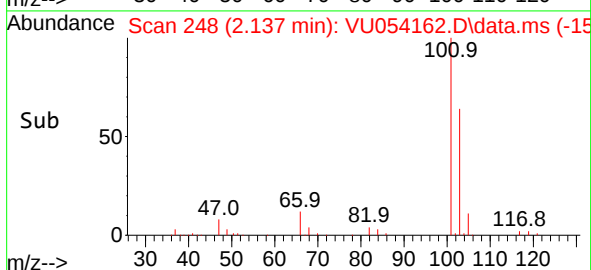
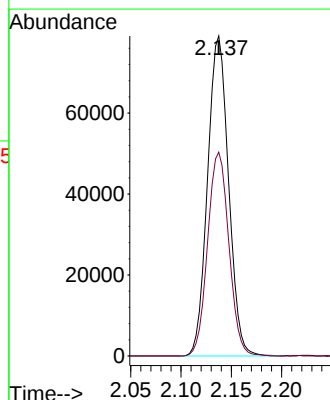
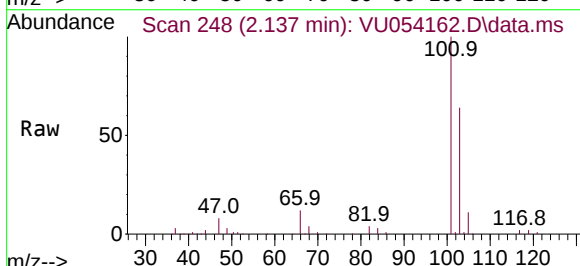
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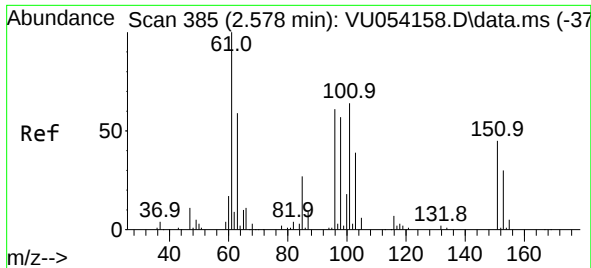
Tgt Ion: 101 Resp: 114825

Ion Ratio Lower Upper

101 100

103 64.5 51.0 76.6

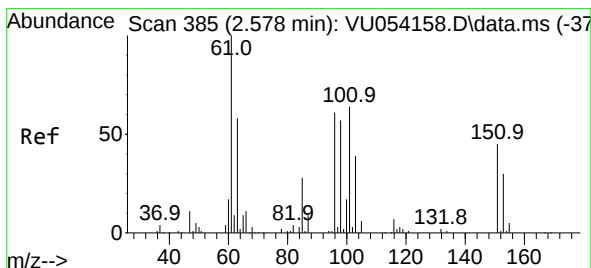
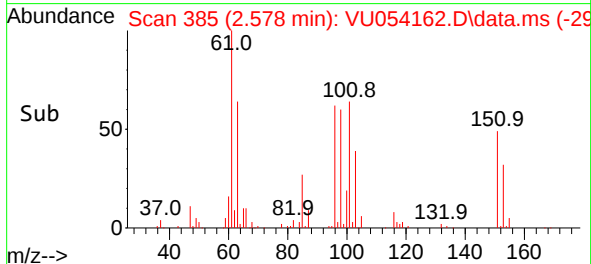
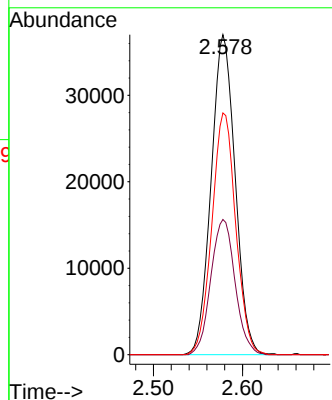
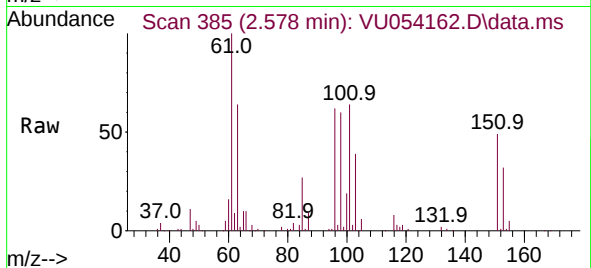




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.483 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

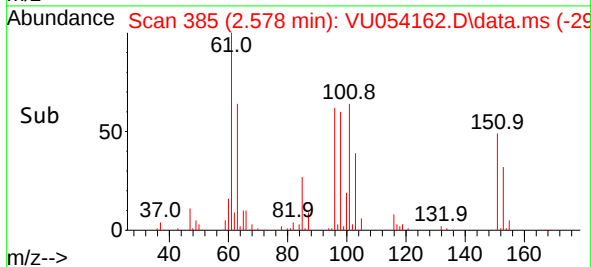
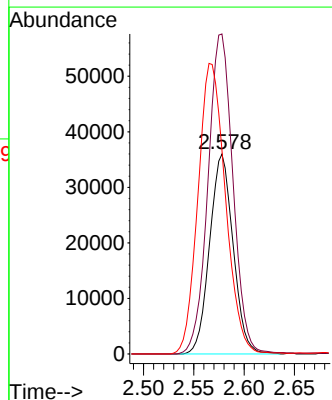
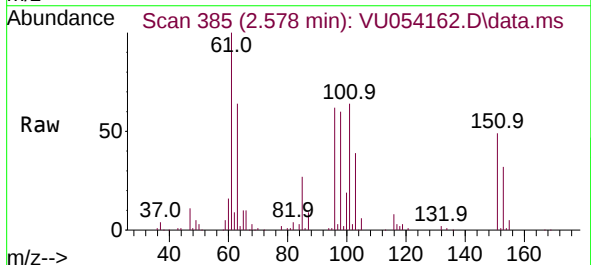
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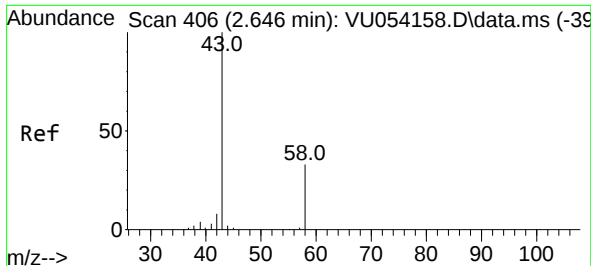
Tgt Ion:101 Resp: 69189
Ion Ratio Lower Upper
101 100
85 42.7 35.0 52.4
151 75.3 59.0 88.6



#12
1,1-Dichloroethene
Concen: 4.242 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

Tgt Ion: 96 Resp: 58444
Ion Ratio Lower Upper
96 100
61 160.2 114.7 212.9
63 101.9 68.6 127.4





#13

Acetone

Concen: 42.757 ug/L

RT: 2.645 min Scan# 406

Delta R.T. -0.000 min

Lab File: VU054162.D

Acq: 18 May 2023 12:18

Instrument :

MSVOA_U

ClientSampleId :

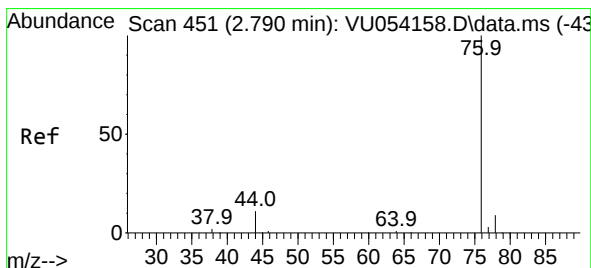
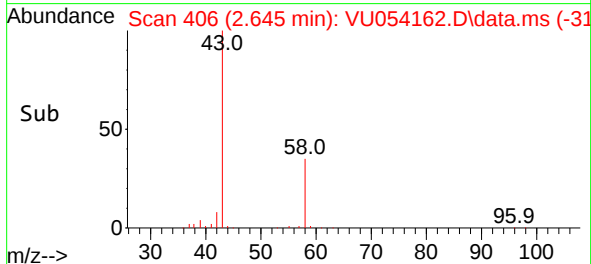
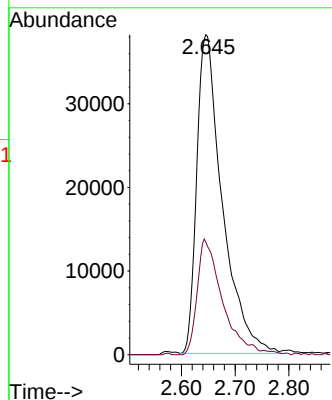
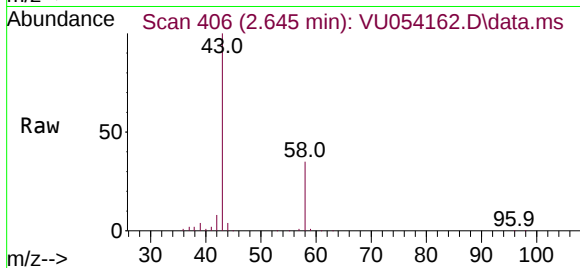
VSTD005166

Tgt Ion: 43 Resp: 125876

Ion Ratio Lower Upper

43 100

58 34.4 0.0 73.2



#14

Carbon disulfide

Concen: 4.272 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU054162.D

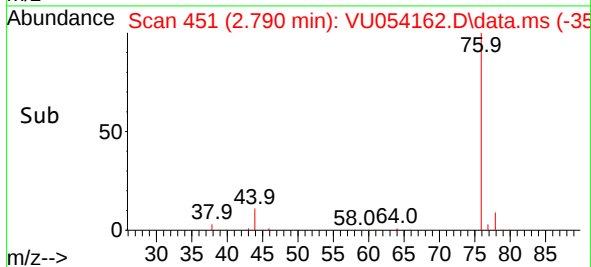
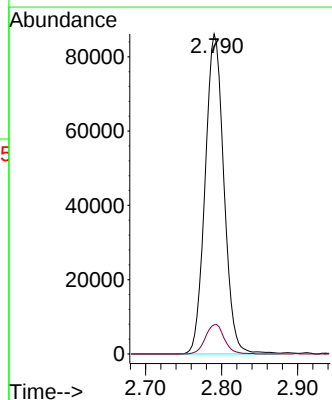
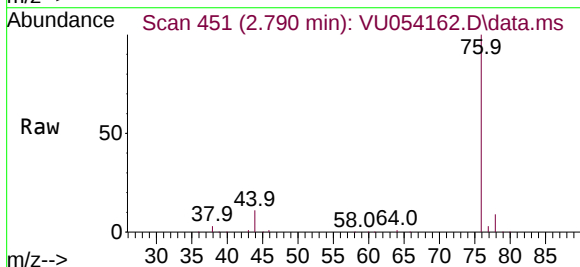
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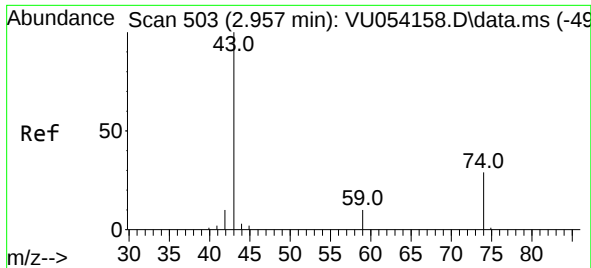
Tgt Ion: 76 Resp: 147873

Ion Ratio Lower Upper

76 100

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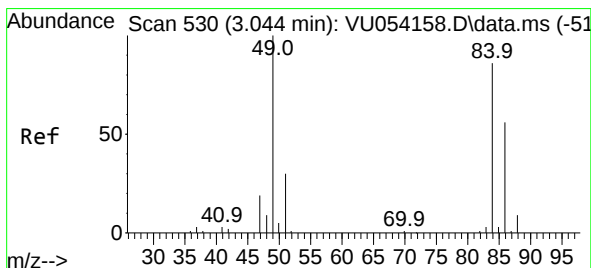
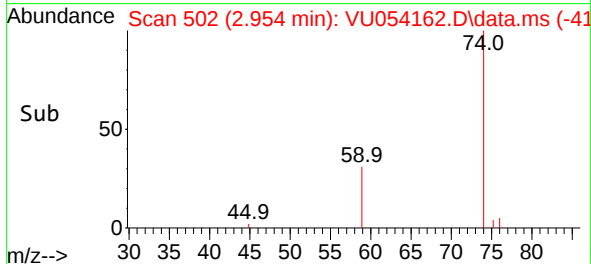
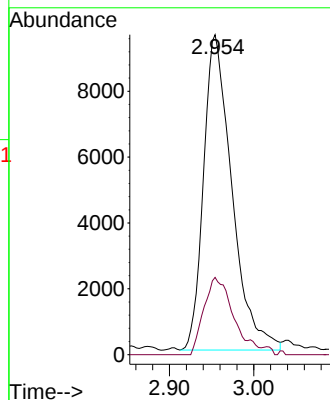
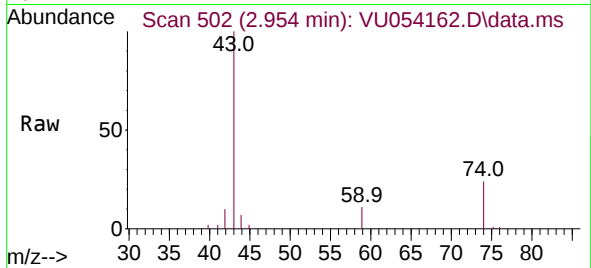




#15
Methyl Acetate
Concen: 4.257 ug/L
RT: 2.954 min Scan# 503
Delta R.T. -0.003 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

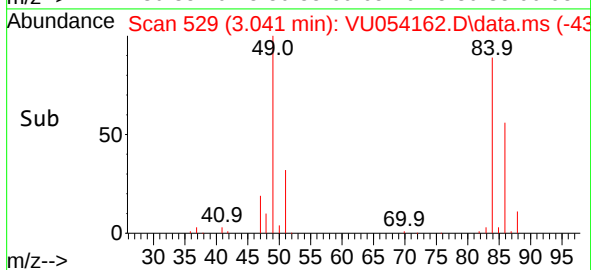
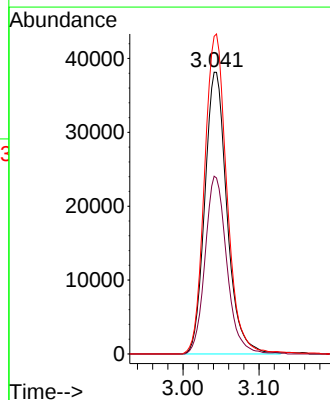
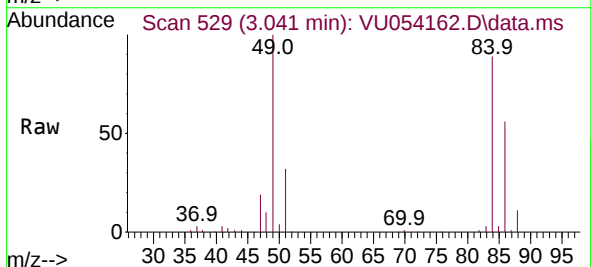
Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

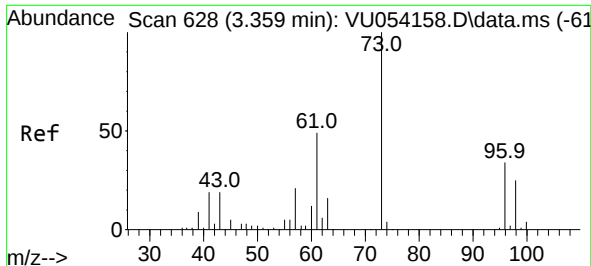
Tgt Ion: 43 Resp: 22466
Ion Ratio Lower Upper
43 100
74 25.4 20.3 30.5



#16
Methylene chloride
Concen: 4.288 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

Tgt Ion: 84 Resp: 77336
Ion Ratio Lower Upper
84 100
86 63.1 45.5 84.5
49 112.8 81.3 150.9

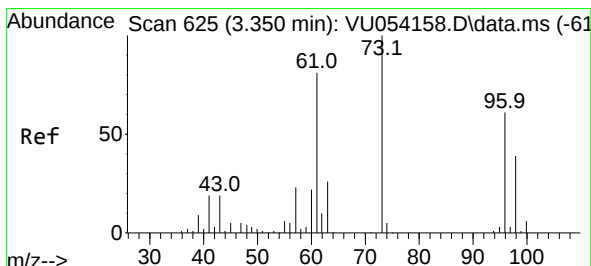
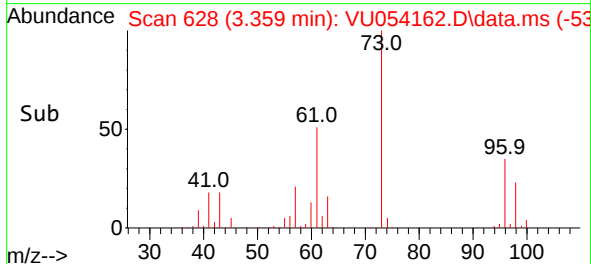
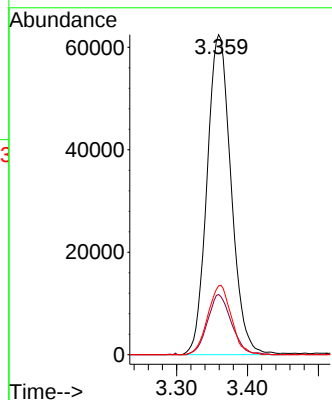
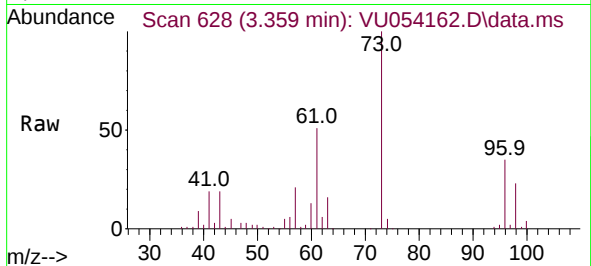




#17
Methyl tert-butyl Ether
Concen: 4.246 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

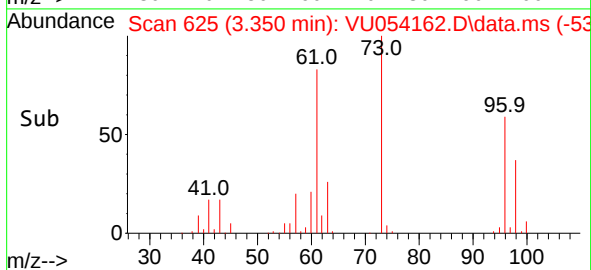
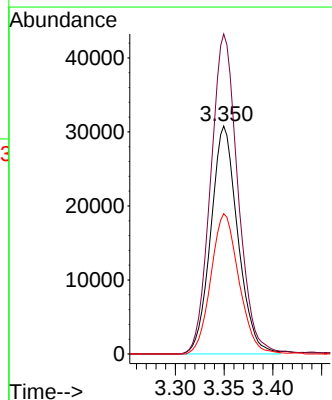
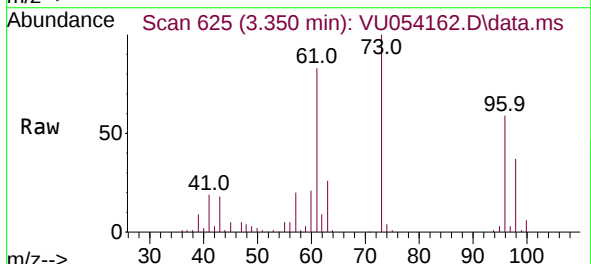
Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

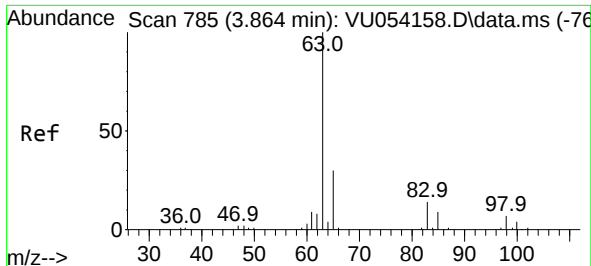
Tgt Ion: 73 Resp: 147280
Ion Ratio Lower Upper
73 100
43 18.7 14.6 22.0
57 21.2 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 4.242 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.000 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

Tgt Ion: 96 Resp: 59443
Ion Ratio Lower Upper
96 100
61 140.4 94.1 174.8
98 61.5 45.3 84.1

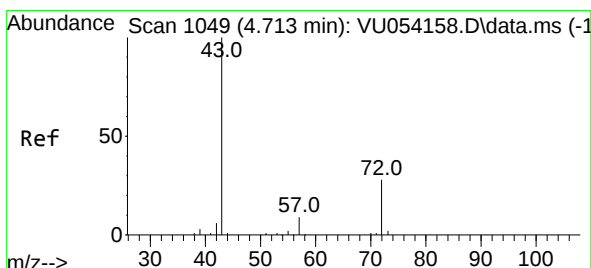
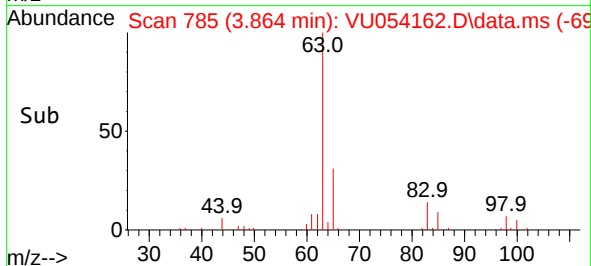
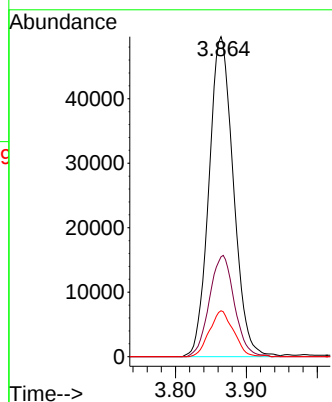
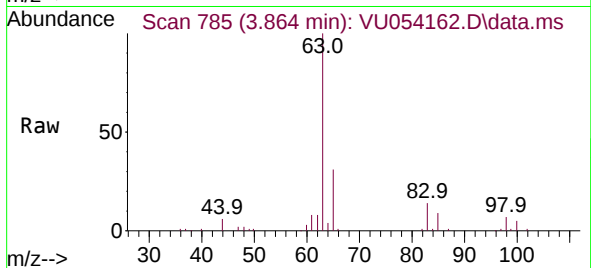




#19
1,1-Dichloroethane
Concen: 4.234 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.000 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

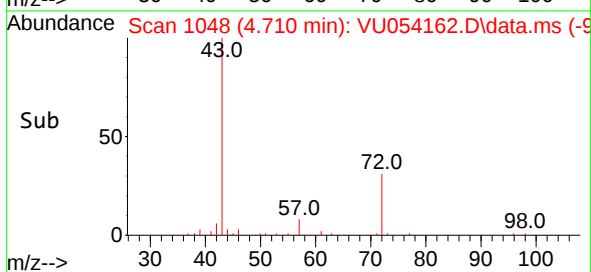
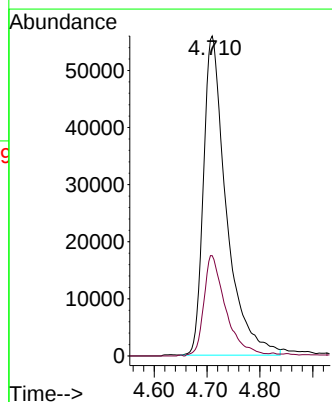
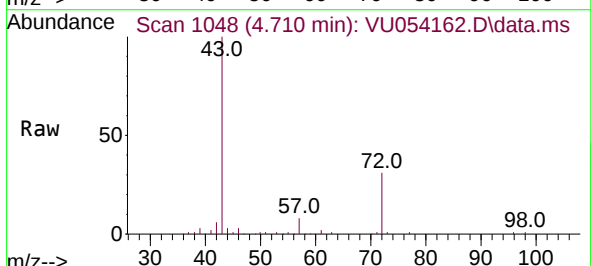
Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

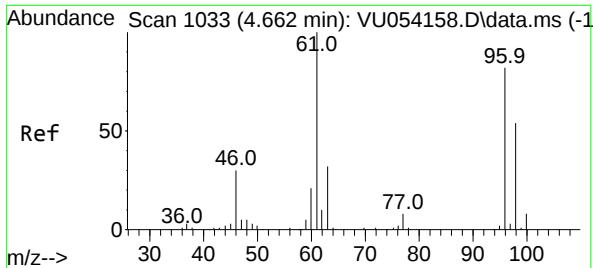
Tgt Ion: 63 Resp: 118802
Ion Ratio Lower Upper
63 100
65 31.2 20.7 38.5
83 14.3 10.1 18.7



#21
2-Butanone
Concen: 43.144 ug/L
RT: 4.710 min Scan# 1048
Delta R.T. -0.003 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

Tgt Ion: 43 Resp: 168244
Ion Ratio Lower Upper
43 100
72 30.1 14.2 42.8

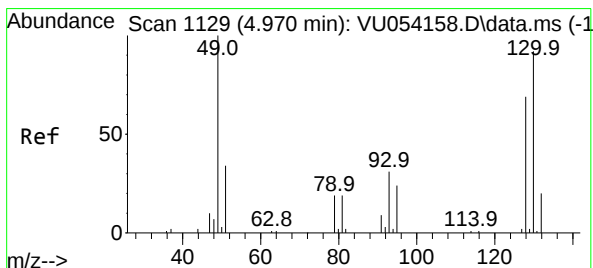
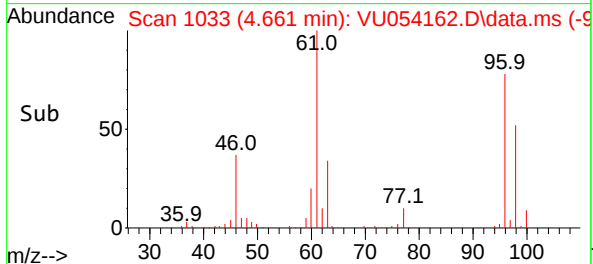
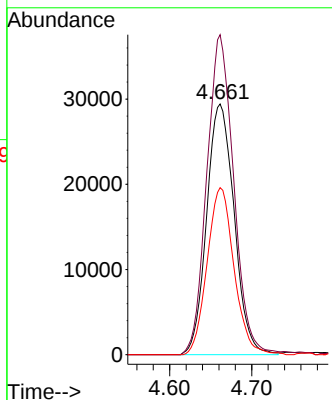
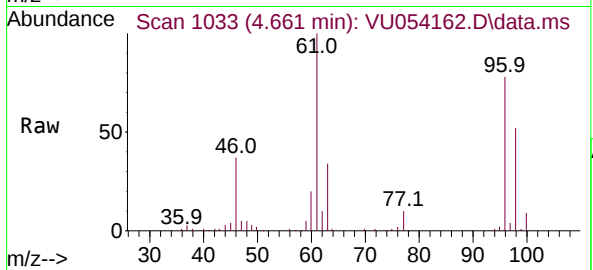




#22
 cis-1,2-Dichloroethene
 Concen: 4.193 ug/L
 RT: 4.661 min Scan# 1033
 Delta R.T. -0.000 min
 Lab File: VU054162.D
 Acq: 18 May 2023 12:18

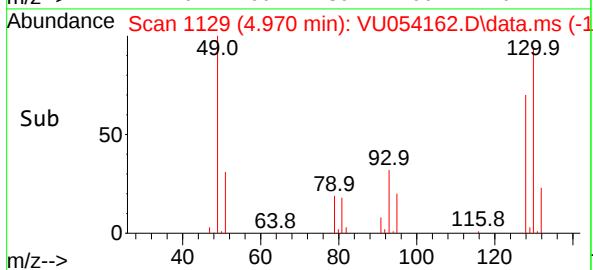
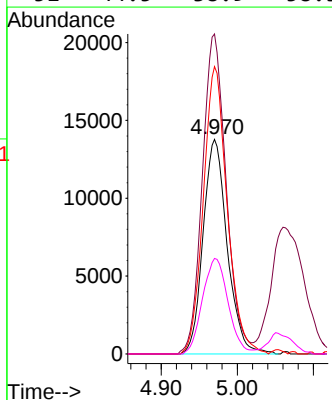
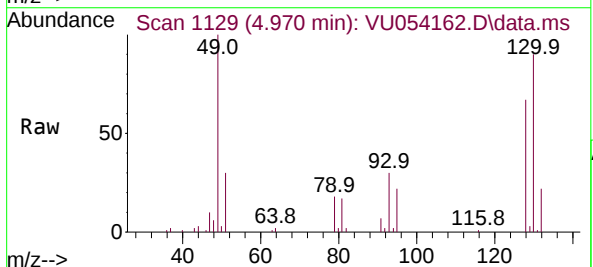
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005166

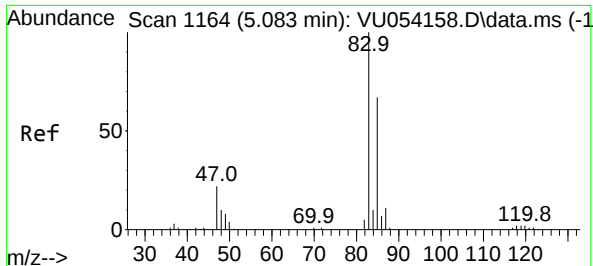
Tgt Ion:	96	Resp:	68704
Ion	Ratio	Lower	Upper
96	100		
61	127.6	85.0	157.8
98	66.6	45.8	85.0



#23
 Bromochloromethane
 Concen: 4.237 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. -0.000 min
 Lab File: VU054162.D
 Acq: 18 May 2023 12:18

Tgt Ion:	128	Resp:	30326
Ion	Ratio	Lower	Upper
128	100		
49	149.1	100.9	187.3
130	133.9	93.2	173.0
51	44.5	38.9	58.3





#25

Chloroform

Concen: 4.132 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU054162.D

Acq: 18 May 2023 12:18

Instrument :

MSVOA_U

ClientSampleId :

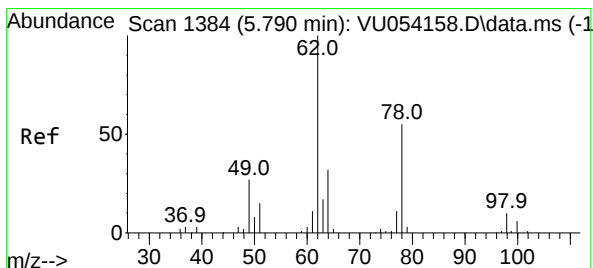
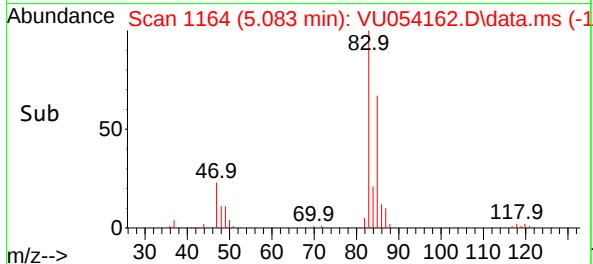
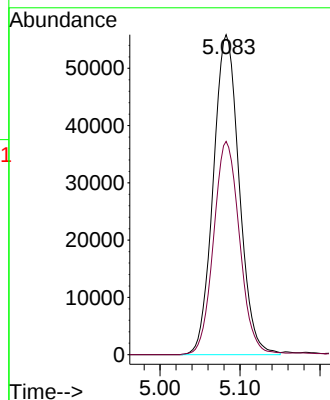
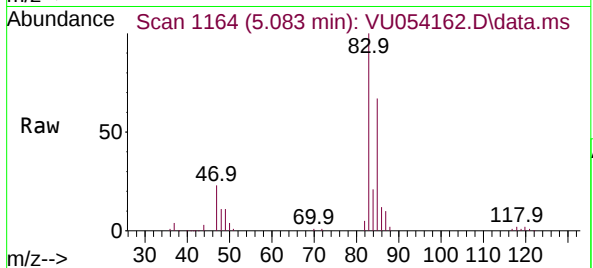
VSTD005166

Tgt Ion: 83 Resp: 125745

Ion Ratio Lower Upper

83 100

85 66.7 46.8 87.0



#27

1,2-Dichloroethane

Concen: 4.171 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU054162.D

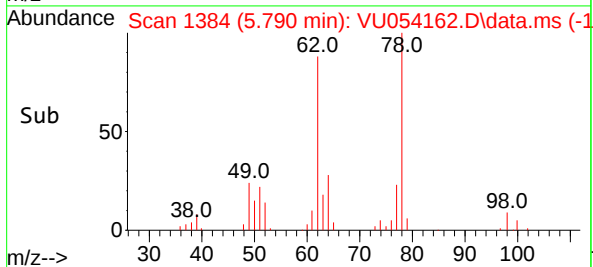
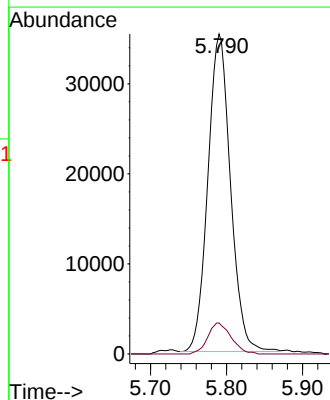
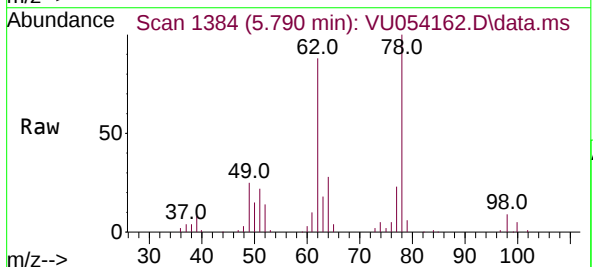
Acq: 18 May 2023 12:18

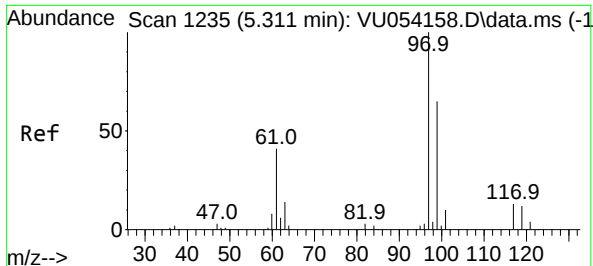
Tgt Ion: 62 Resp: 72995

Ion Ratio Lower Upper

62 100

98 9.7 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 4.184 ug/L

RT: 5.311 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054162.D

Acq: 18 May 2023 12:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005166

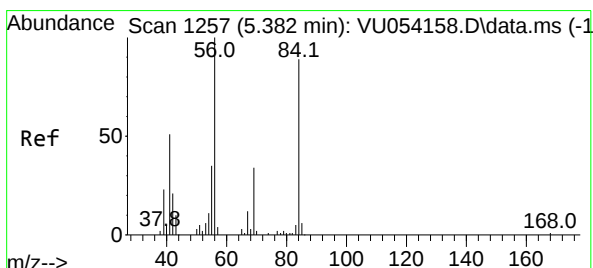
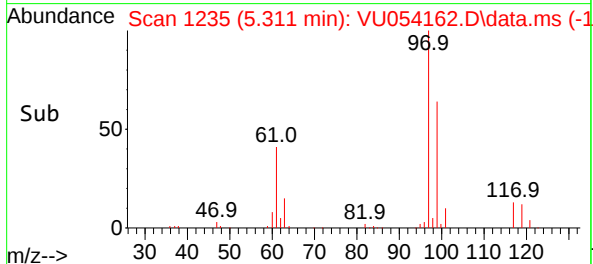
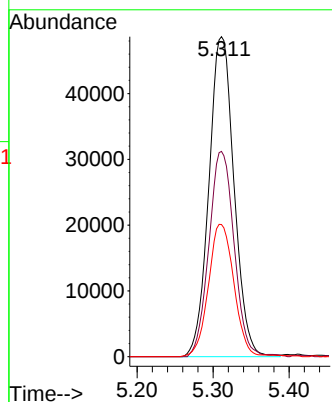
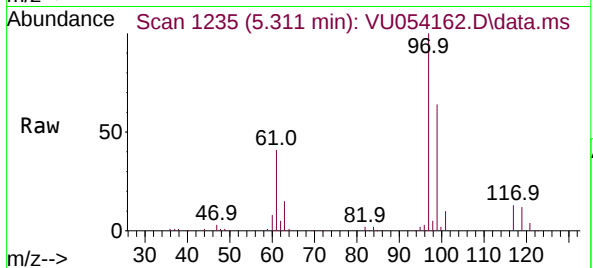
Tgt Ion: 97 Resp: 111767

Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.6

61 42.2 33.4 50.2



#30

Cyclohexane

Concen: 4.470 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VU054162.D

Acq: 18 May 2023 12:18

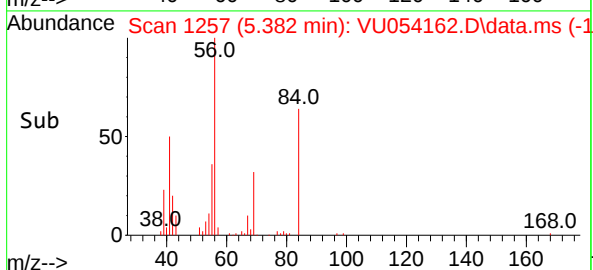
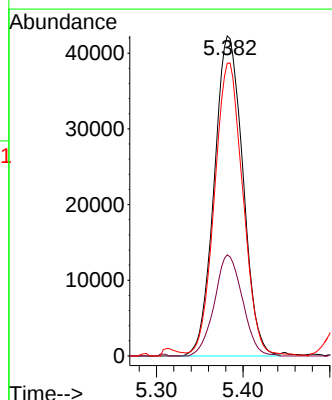
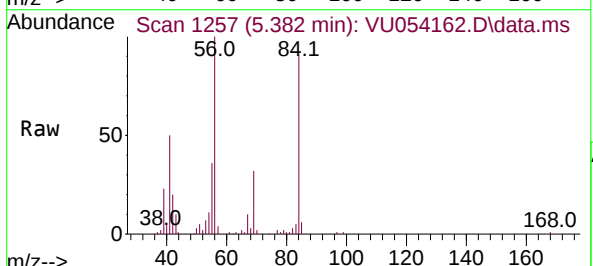
Tgt Ion: 56 Resp: 97200

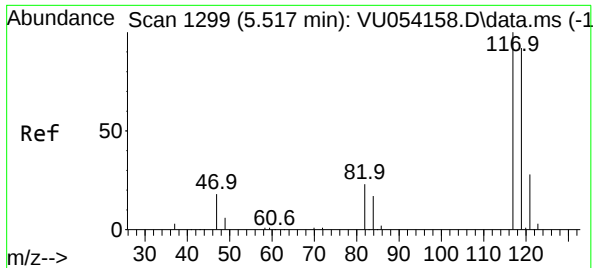
Ion Ratio Lower Upper

56 100

69 30.9 26.2 39.4

84 91.0 74.2 111.4

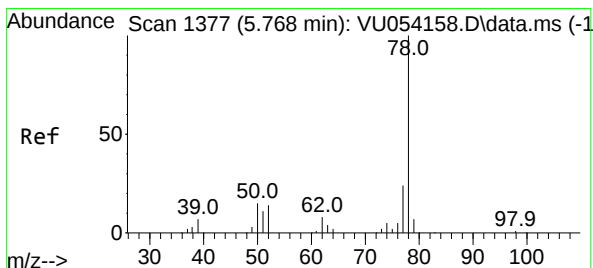
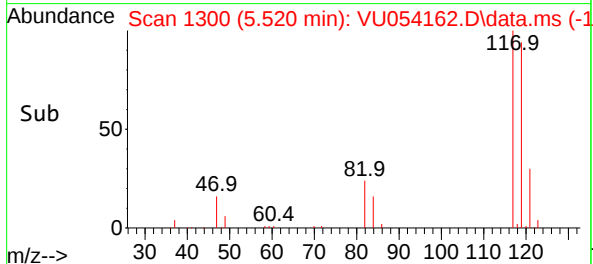
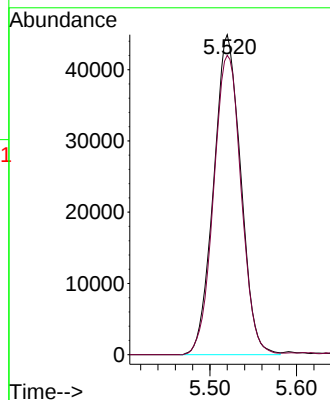
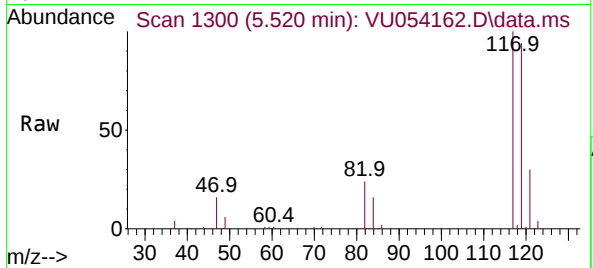




#31
Carbon tetrachloride
Concen: 4.217 ug/L
RT: 5.520 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

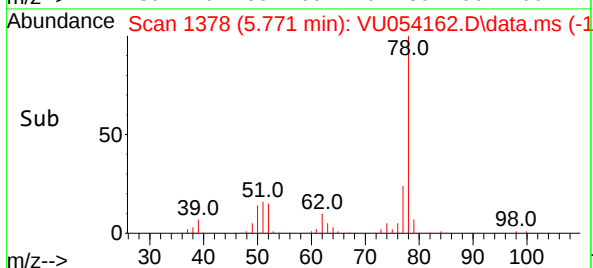
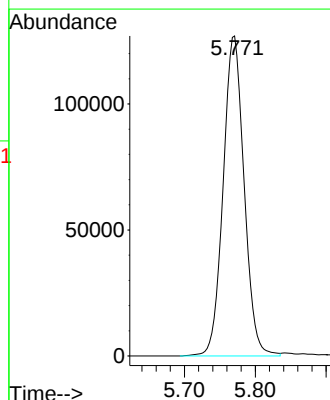
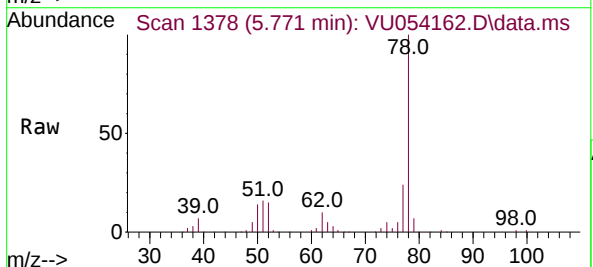
Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

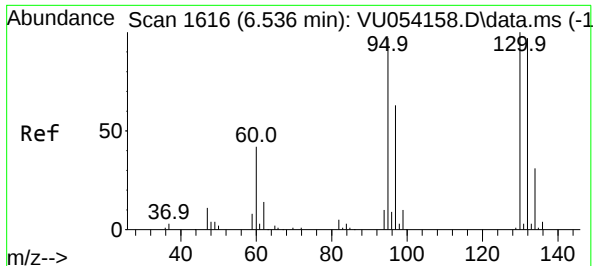
Tgt Ion:117 Resp: 97681
Ion Ratio Lower Upper
117 100
119 95.2 76.6 114.8



#33
Benzene
Concen: 4.321 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

Tgt Ion: 78 Resp: 260967

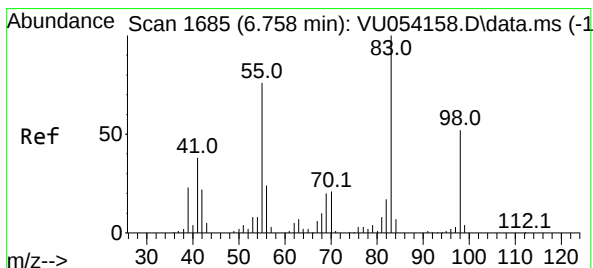
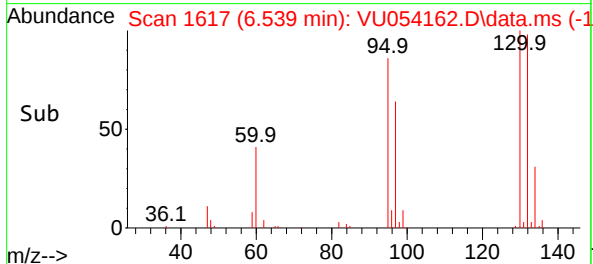
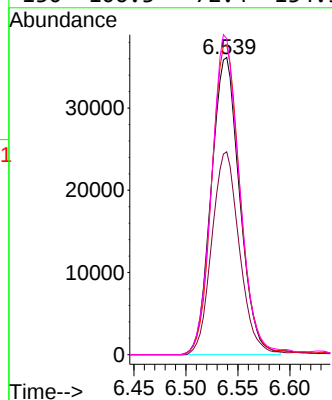
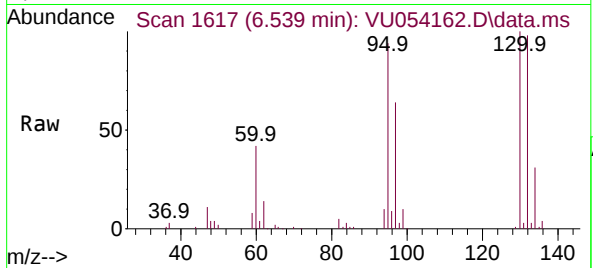




#34
Trichloroethene
Concen: 4.235 ug/L
RT: 6.539 min Scan# 1616
Delta R.T. 0.003 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

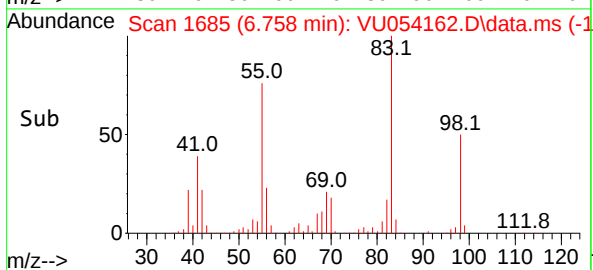
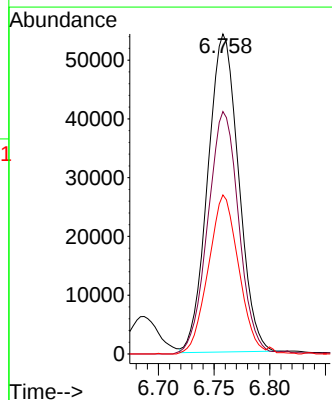
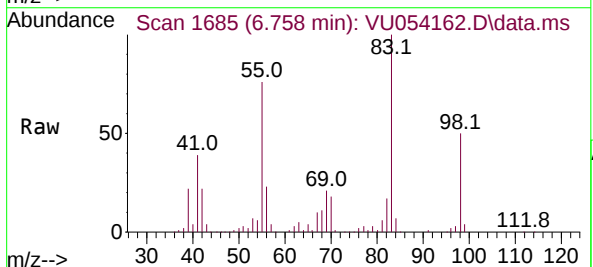
Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

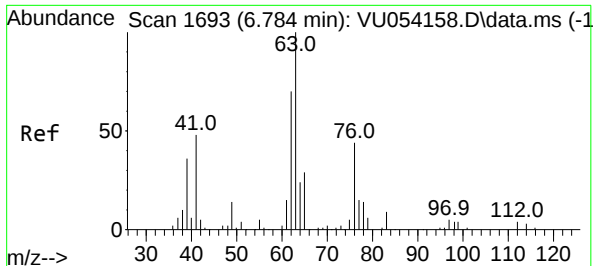
Tgt Ion: 95 Resp: 68793
Ion Ratio Lower Upper
95 100
97 68.3 45.8 85.0
132 104.1 70.1 130.3
130 106.3 72.4 134.5



#35
Methylcyclohexane
Concen: 4.388 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

Tgt Ion: 83 Resp: 104215
Ion Ratio Lower Upper
83 100
55 76.7 61.6 92.4
98 49.7 41.3 61.9





#37

1,2-Dichloropropane

Concen: 4.257 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054162.D

Acq: 18 May 2023 12:18

Instrument :

MSVOA_U

ClientSampleId :

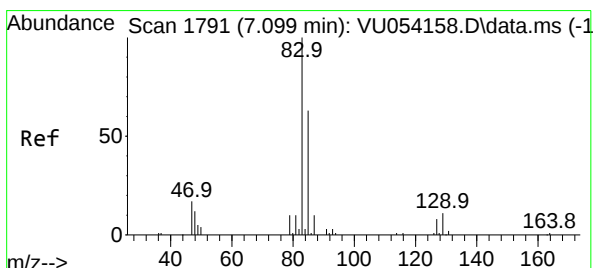
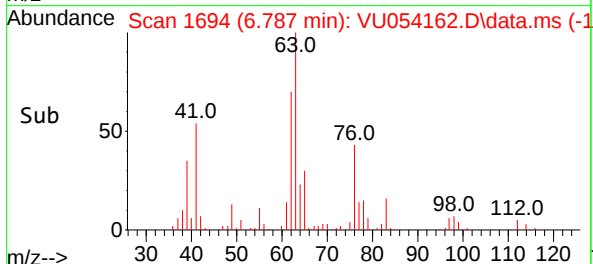
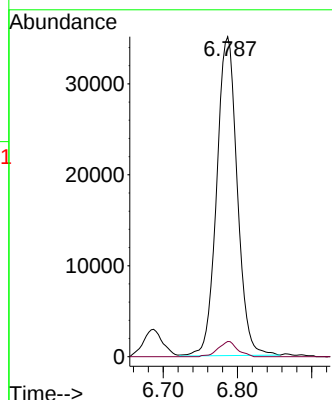
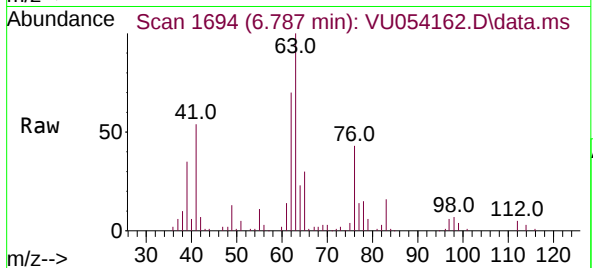
VSTD005166

Tgt Ion: 63 Resp: 67521

Ion Ratio Lower Upper

63 100

112 4.5 3.3 4.9



#38

Bromodichloromethane

Concen: 4.232 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.003 min

Lab File: VU054162.D

Acq: 18 May 2023 12:18

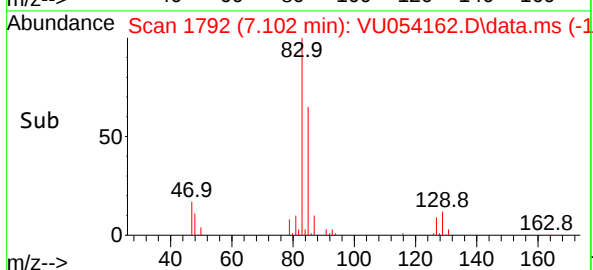
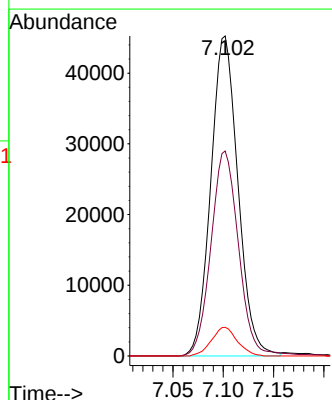
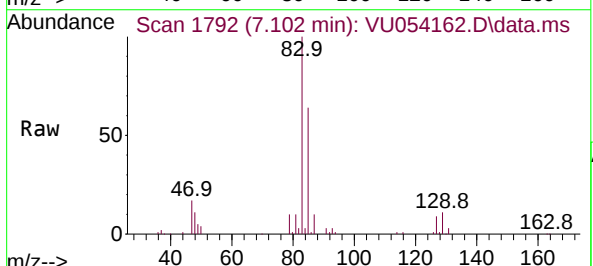
Tgt Ion: 83 Resp: 84995

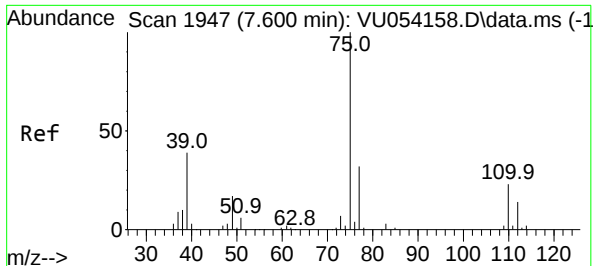
Ion Ratio Lower Upper

83 100

85 64.1 44.2 82.0

127 9.0 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.314 ug/L

RT: 7.603 min Scan# 1947

Delta R.T. 0.003 min

Lab File: VU054162.D

Acq: 18 May 2023 12:18

Instrument :

MSVOA_U

ClientSampleId :

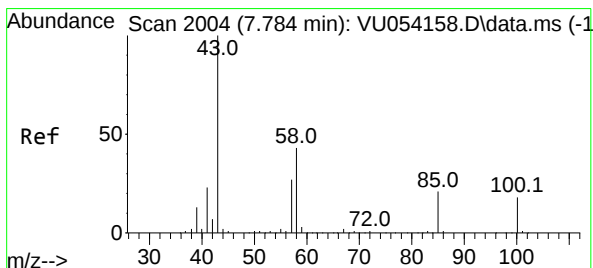
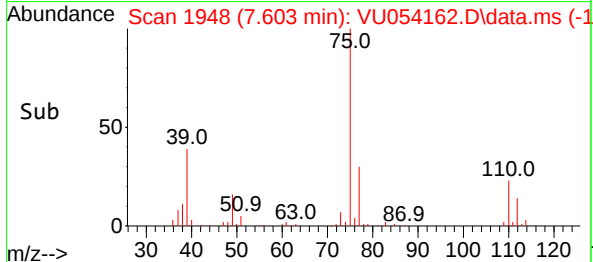
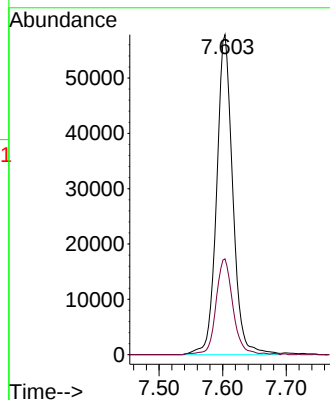
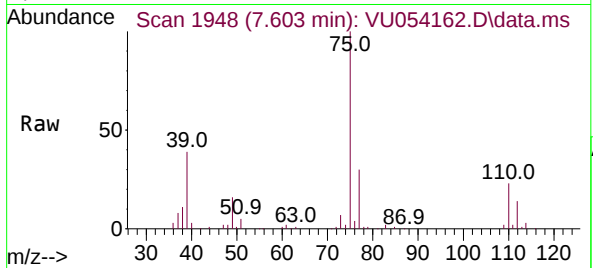
VSTD005166

Tgt Ion: 75 Resp: 101923

Ion Ratio Lower Upper

75 100

77 30.0 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 44.106 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VU054162.D

Acq: 18 May 2023 12:18

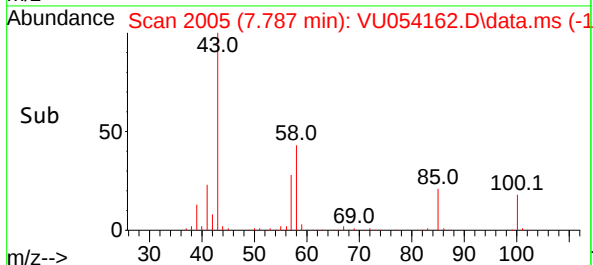
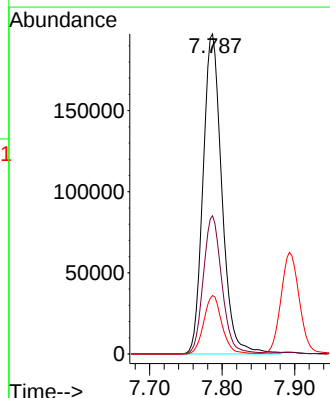
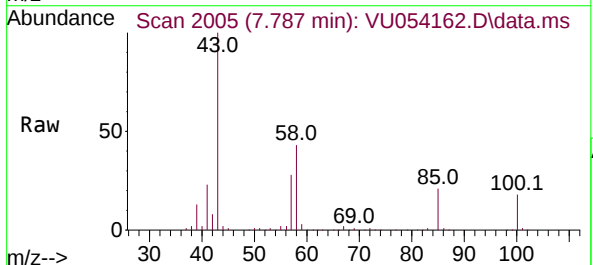
Tgt Ion: 43 Resp: 356068

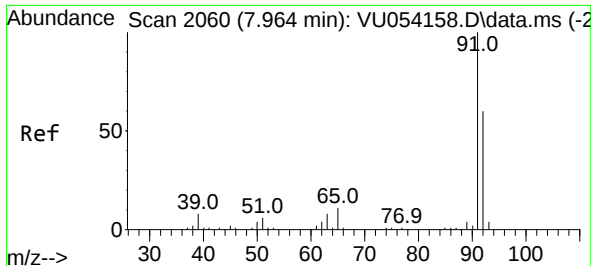
Ion Ratio Lower Upper

43 100

58 42.7 34.8 52.2

100 17.7 14.1 21.1





#42

Toluene

Concen: 4.424 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU054162.D

Acq: 18 May 2023 12:18

Instrument :

MSVOA_U

ClientSampleId :

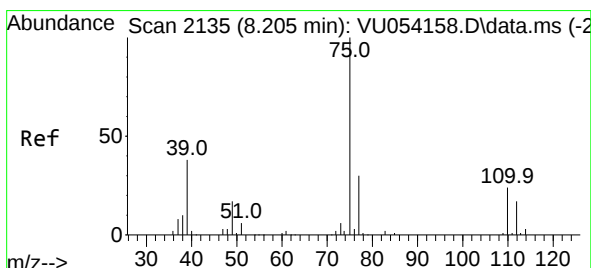
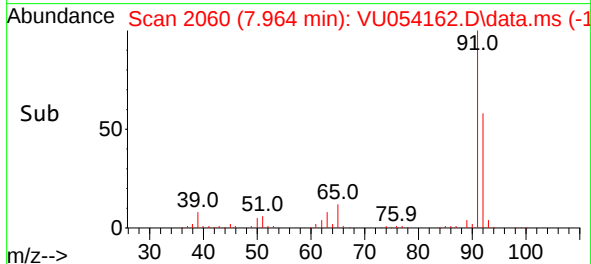
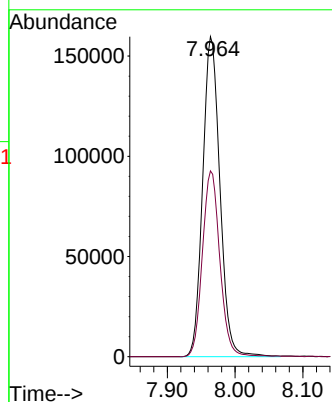
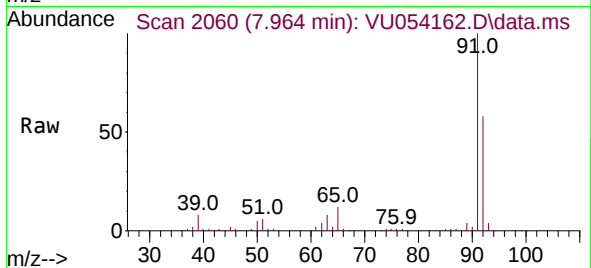
VSTD005166

Tgt Ion: 91 Resp: 282321

Ion Ratio Lower Upper

91 100

92 58.1 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 4.273 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU054162.D

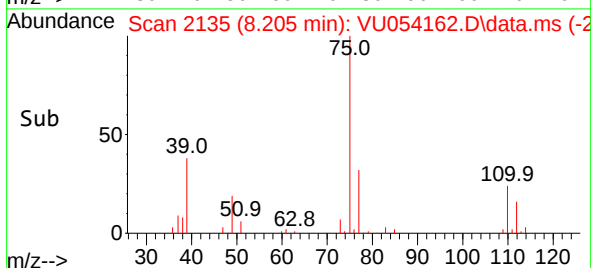
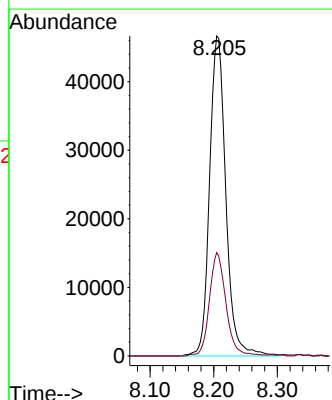
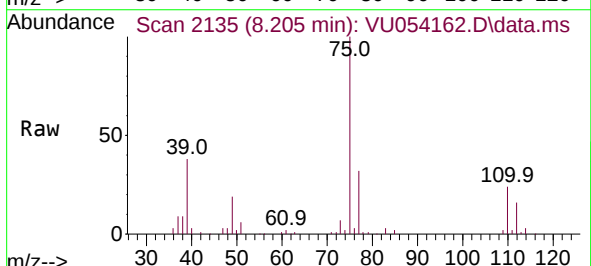
Acq: 18 May 2023 12:18

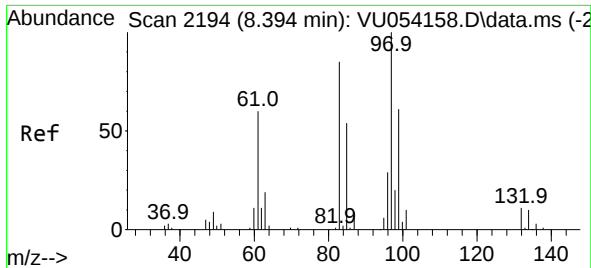
Tgt Ion: 75 Resp: 82876

Ion Ratio Lower Upper

75 100

77 32.3 20.8 38.6

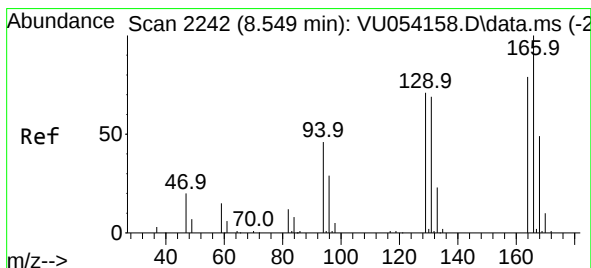
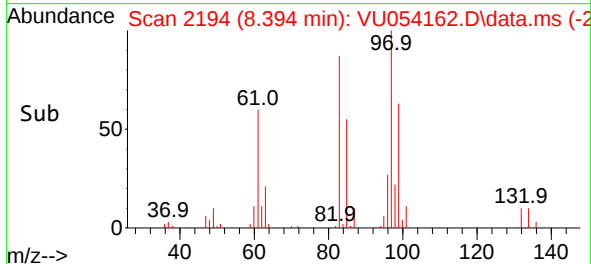
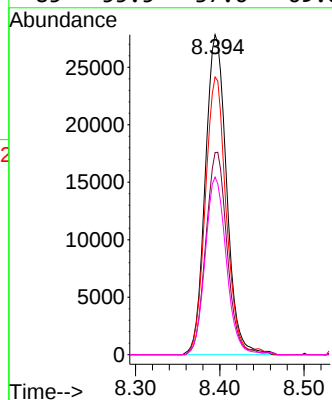
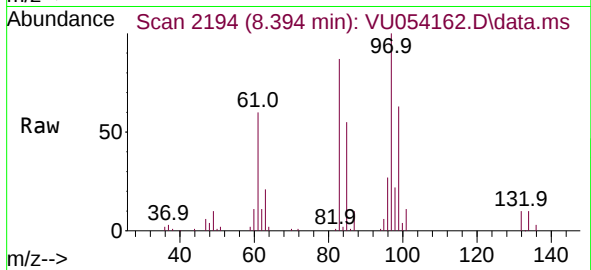




#45
1,1,2-Trichloroethane
Concen: 4.291 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

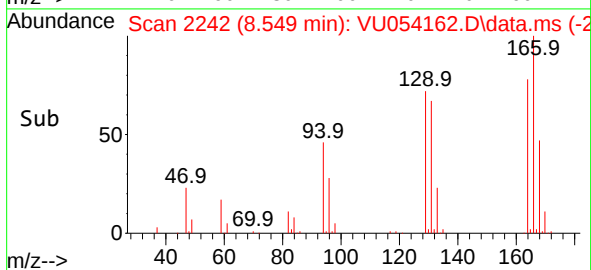
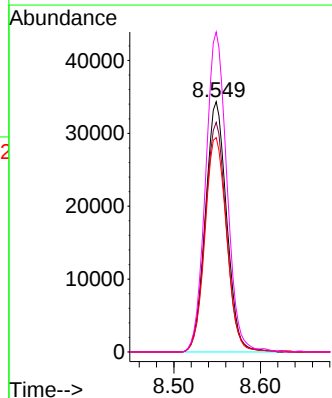
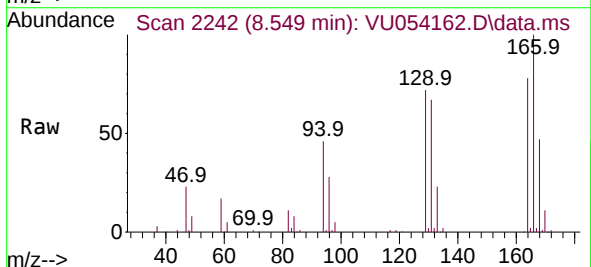
Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

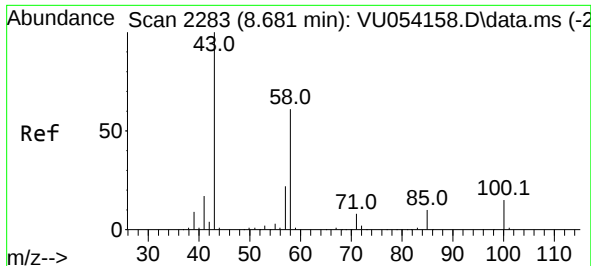
Tgt Ion:	97	Resp:	49039
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.0	79.8
83	86.8	59.1	109.9
85	55.5	37.6	69.8



#47
Tetrachloroethene
Concen: 4.400 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

Tgt Ion:	164	Resp:	58733
Ion	Ratio	Lower	Upper
164	100		
129	91.8	63.3	117.7
131	85.7	61.0	113.4
166	127.9	88.6	164.6

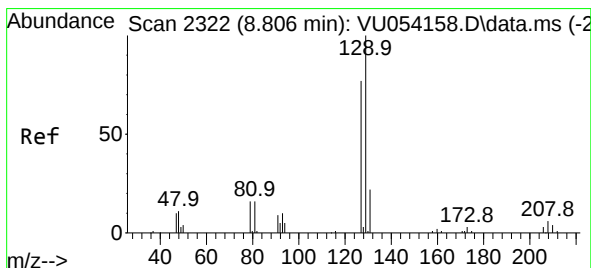
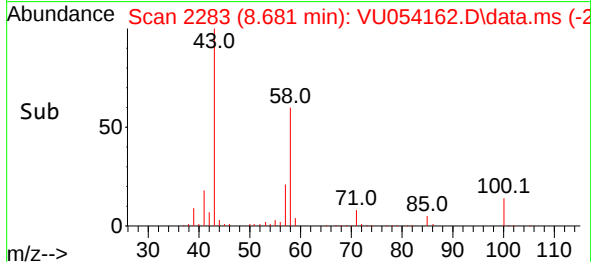
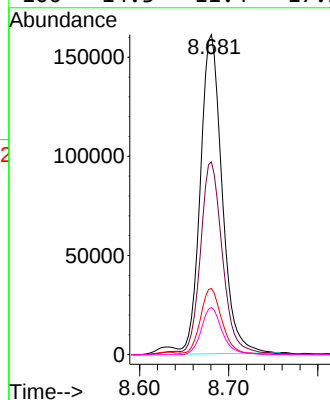
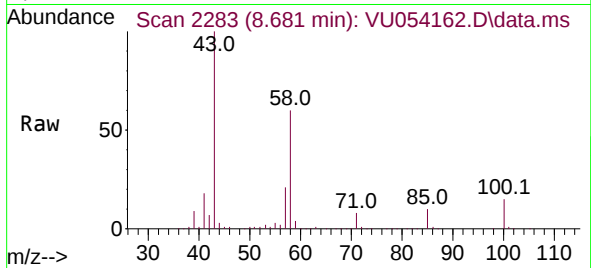




#48
2-Hexanone
Concen: 44.597 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

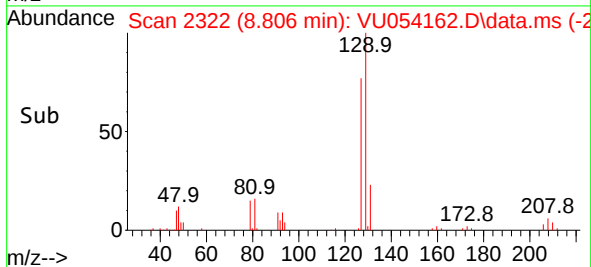
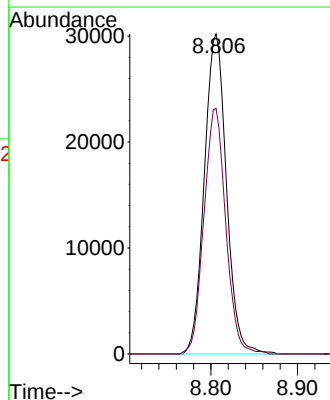
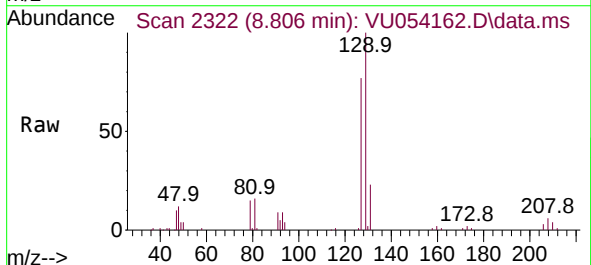
Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

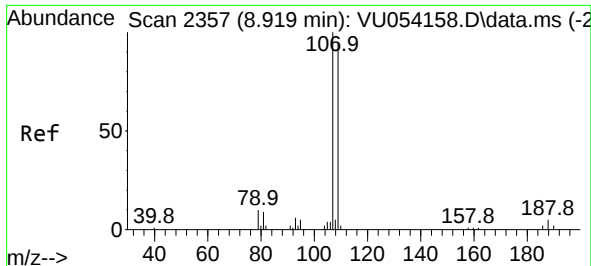
Tgt Ion:	43	Resp:	272213
Ion	Ratio	Lower	Upper
43	100		
58	60.3	48.6	72.8
57	20.7	16.7	25.1
100	14.3	11.4	17.2



#49
Dibromochloromethane
Concen: 4.199 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

Tgt Ion:	129	Resp:	53581
Ion	Ratio	Lower	Upper
129	100		
127	76.7	53.6	99.6





#50

1,2-Dibromoethane

Concen: 4.288 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054162.D

Acq: 18 May 2023 12:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005166

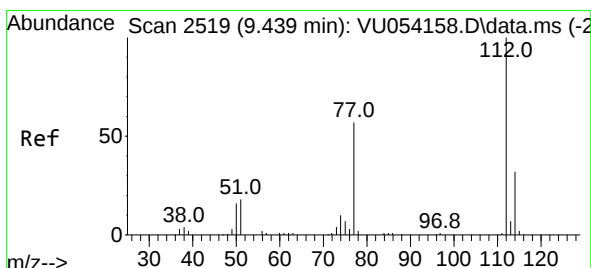
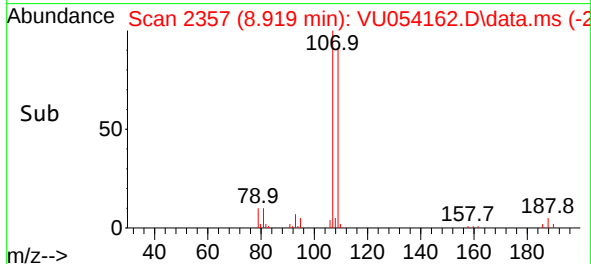
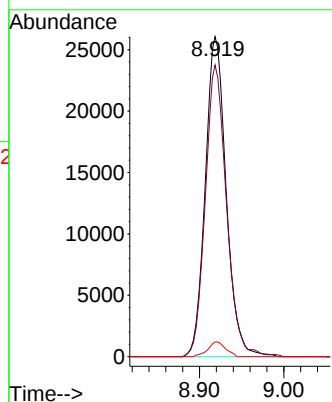
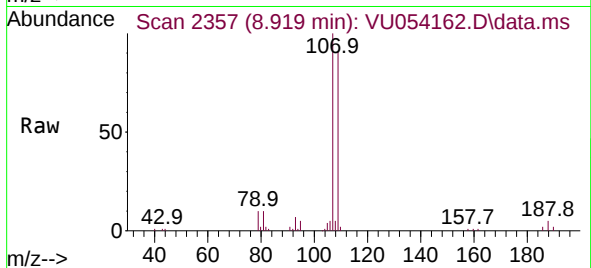
Tgt Ion:107 Resp: 45039

Ion Ratio Lower Upper

107 100

109 91.2 66.4 123.2

188 4.6 3.8 5.6



#51

Chlorobenzene

Concen: 4.293 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.003 min

Lab File: VU054162.D

Acq: 18 May 2023 12:18

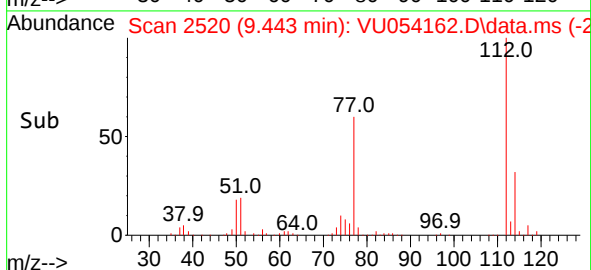
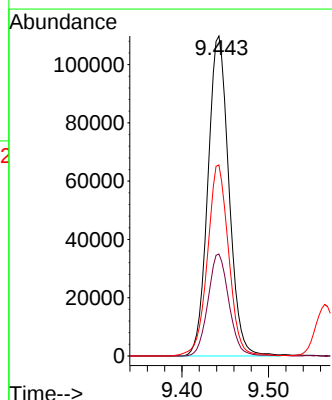
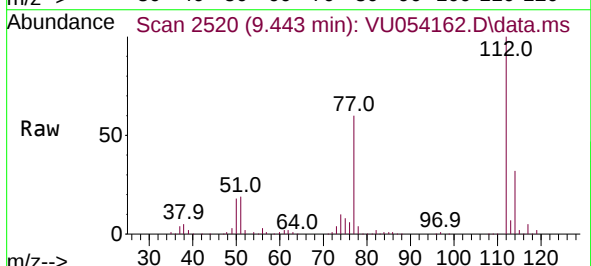
Tgt Ion:112 Resp: 185245

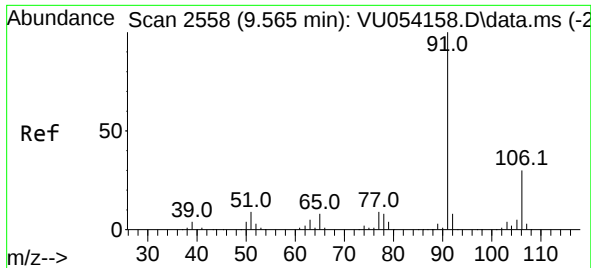
Ion Ratio Lower Upper

112 100

114 31.9 22.4 41.6

77 59.7 46.1 69.1

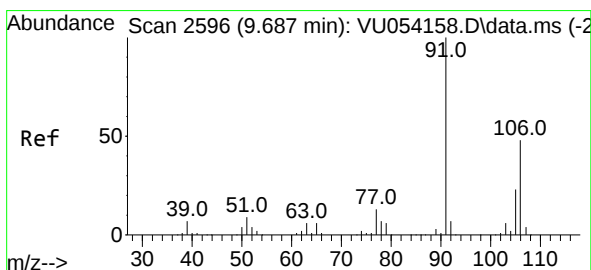
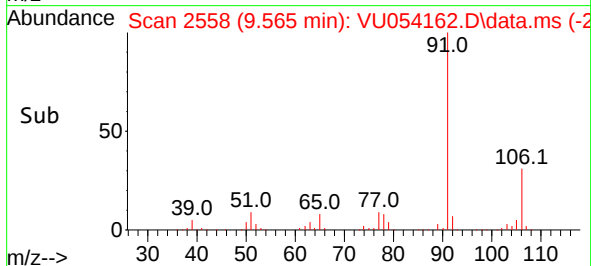
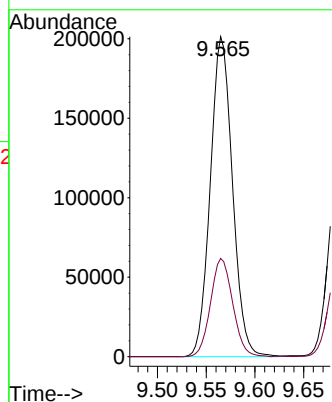
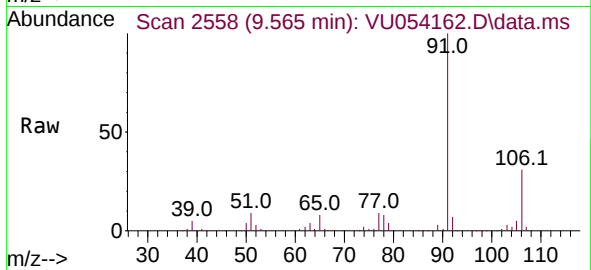




#52
Ethylbenzene
Concen: 4.481 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

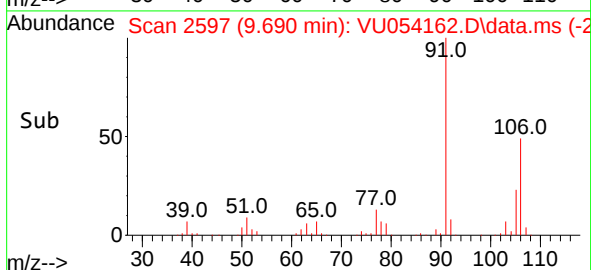
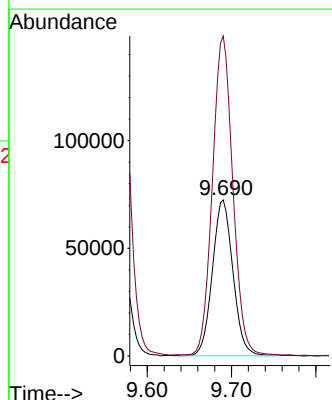
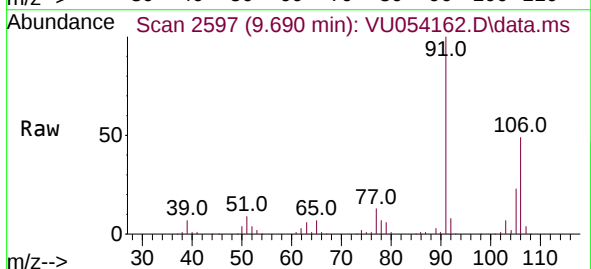
Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

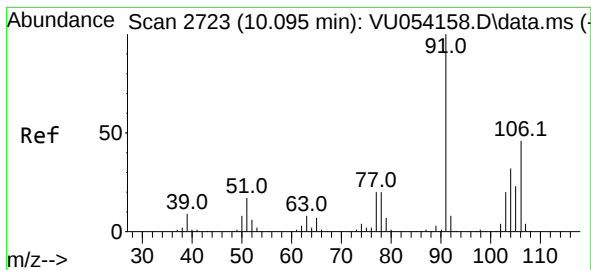
Tgt Ion: 91 Resp: 318712
Ion Ratio Lower Upper
91 100
106 30.7 21.3 39.5



#53
m,p-Xylene
Concen: 4.531 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.003 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

Tgt Ion: 106 Resp: 122406
Ion Ratio Lower Upper
106 100
91 205.0 146.3 271.7





#54

o-Xylene

Concen: 4.442 ug/L

RT: 10.095 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054162.D

Acq: 18 May 2023 12:18

Instrument :

MSVOA_U

ClientSampleId :

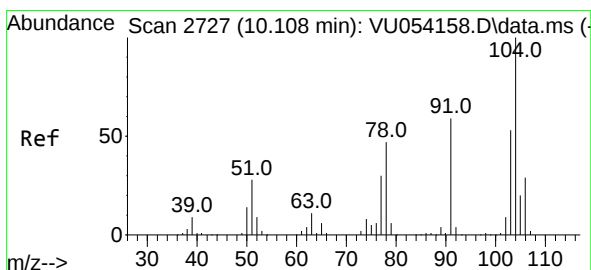
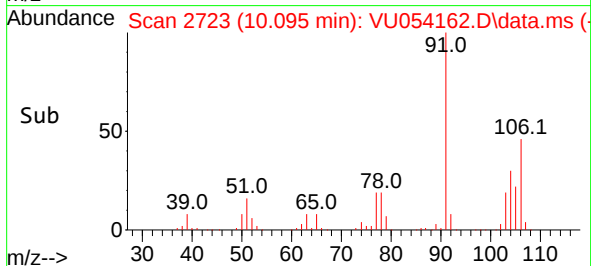
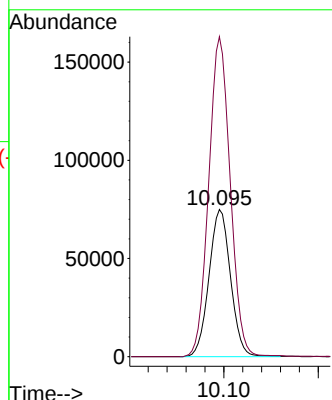
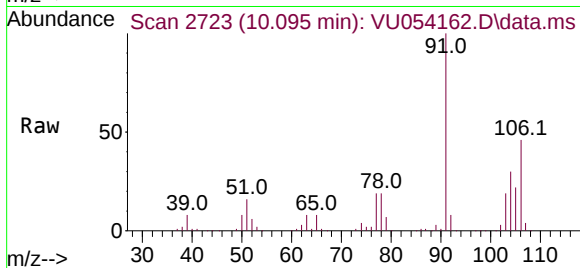
VSTD005166

Tgt Ion:106 Resp: 118518

Ion Ratio Lower Upper

106 100

91 217.4 153.6 285.3



#55

Styrene

Concen: 4.581 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.000 min

Lab File: VU054162.D

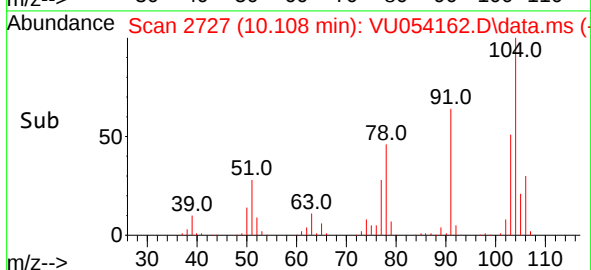
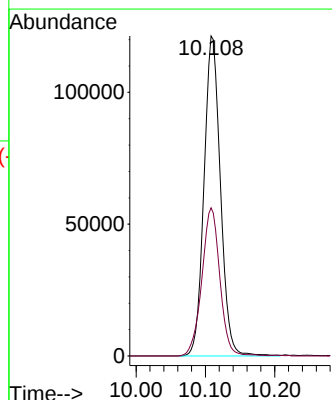
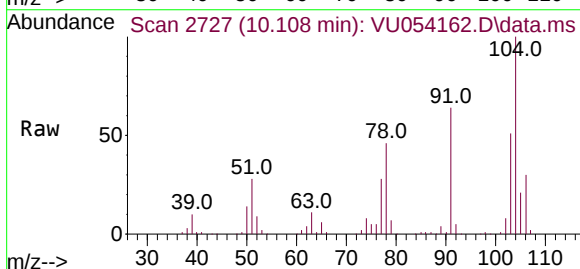
Acq: 18 May 2023 12:18

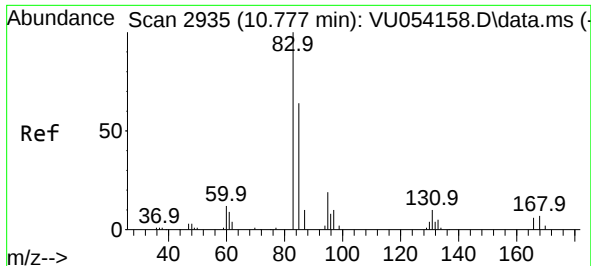
Tgt Ion:104 Resp: 199843

Ion Ratio Lower Upper

104 100

78 46.3 33.1 61.5





#57

1,1,2,2-Tetrachloroethane

Concen: 4.214 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU054162.D

Acq: 18 May 2023 12:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005166

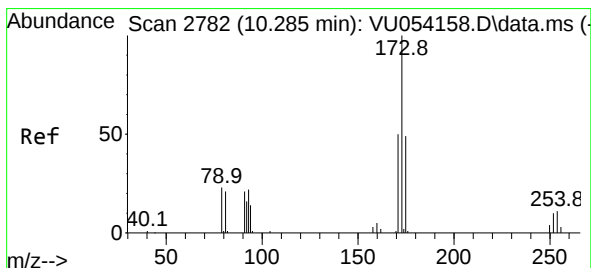
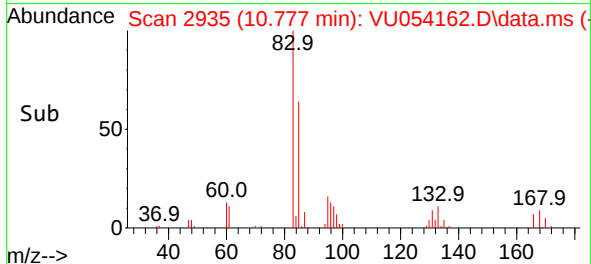
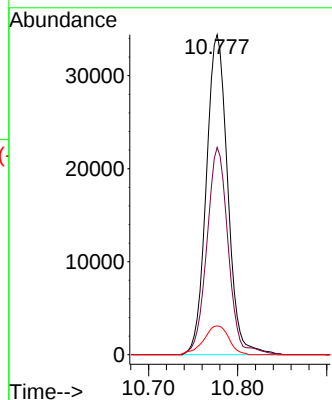
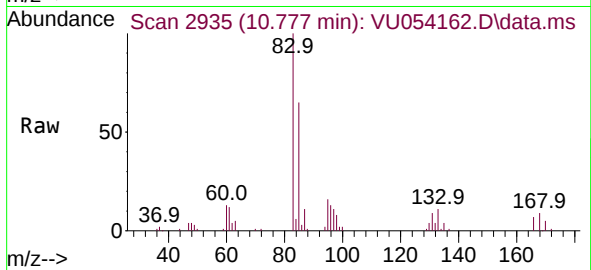
Tgt Ion: 83 Resp: 57188

Ion Ratio Lower Upper

83 100

85 64.7 44.8 83.2

131 9.0 8.1 12.1



#59

Bromoform

Concen: 4.250 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.003 min

Lab File: VU054162.D

Acq: 18 May 2023 12:18

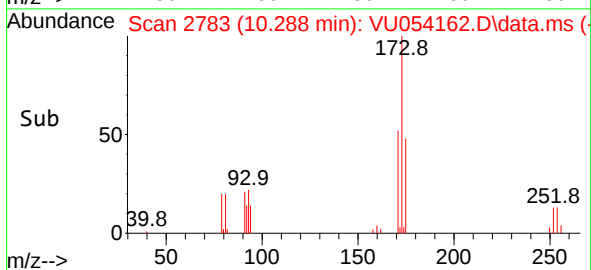
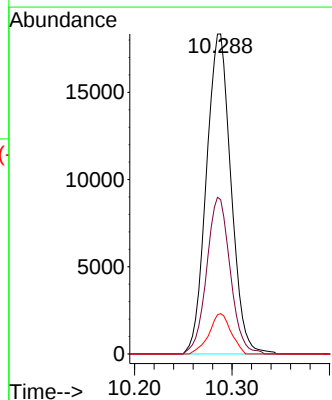
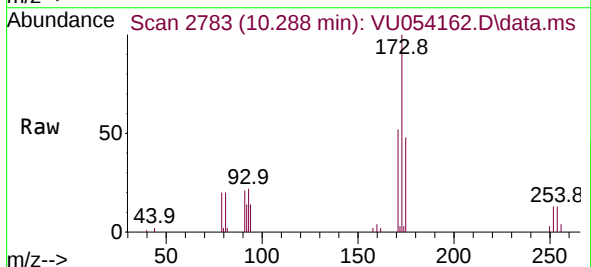
Tgt Ion: 173 Resp: 32120

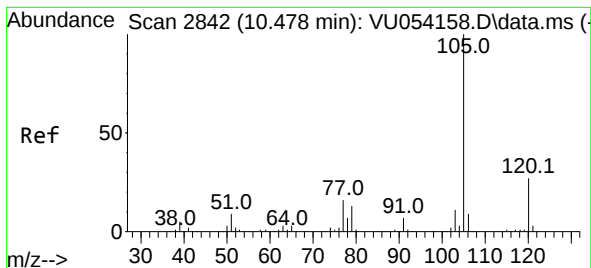
Ion Ratio Lower Upper

173 100

175 46.8 38.6 58.0

254 11.2 7.9 11.9





#60

Isopropylbenzene

Concen: 4.568 ug/L

RT: 10.481 min Scan# 2842

Delta R.T. 0.003 min

Lab File: VU054162.D

Acq: 18 May 2023 12:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005166

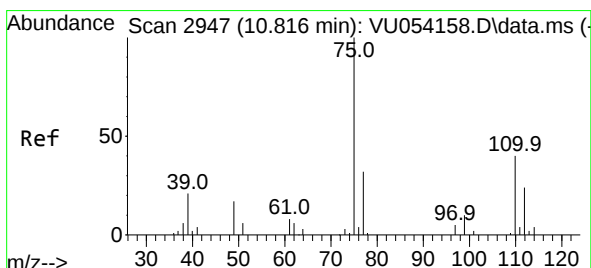
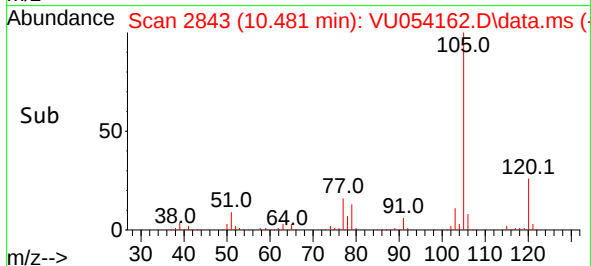
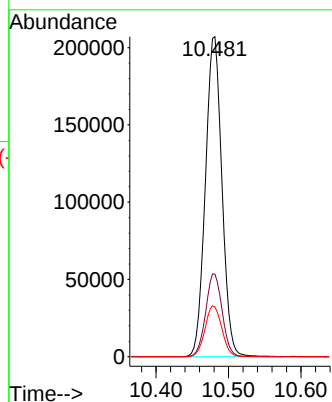
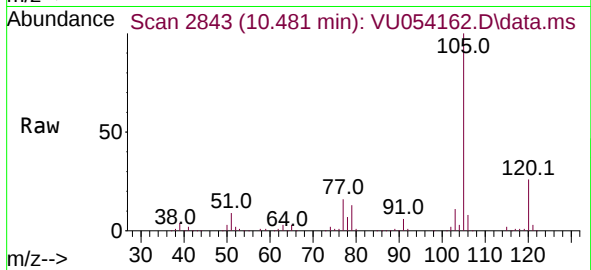
Tgt Ion:105 Resp: 327557

Ion Ratio Lower Upper

105 100

120 25.9 21.3 31.9

77 16.1 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 4.219 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.003 min

Lab File: VU054162.D

Acq: 18 May 2023 12:18

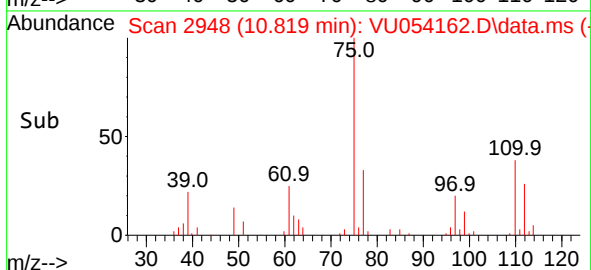
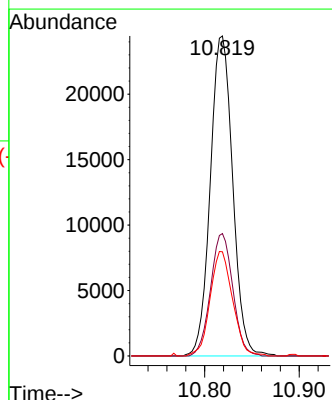
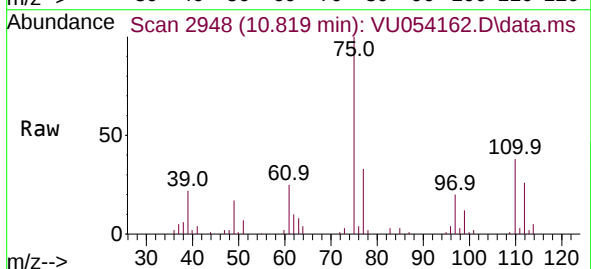
Tgt Ion: 75 Resp: 40204

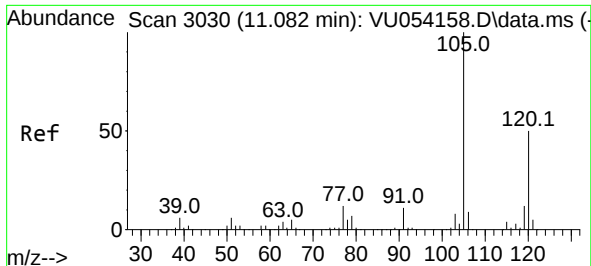
Ion Ratio Lower Upper

75 100

110 38.1 32.3 48.5

77 32.8 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 4.582 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU054162.D

Acq: 18 May 2023 12:18

Instrument :

MSVOA_U

ClientSampleId :

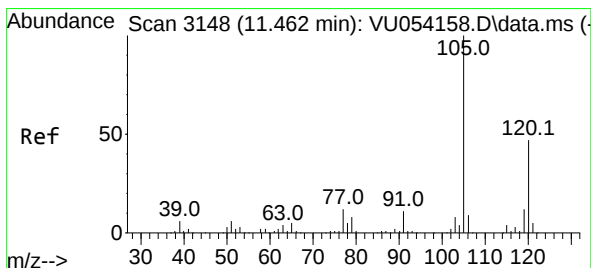
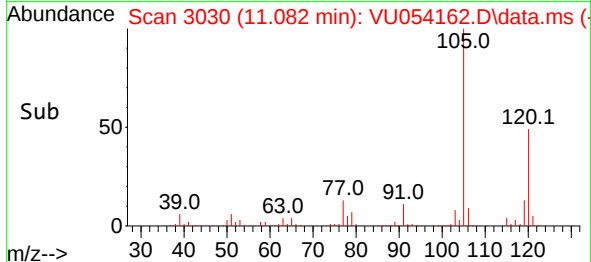
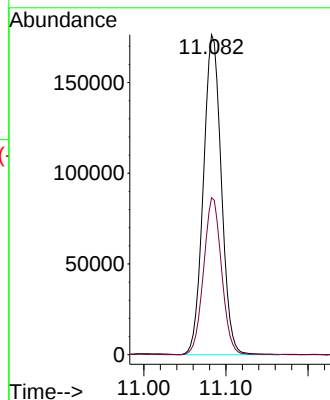
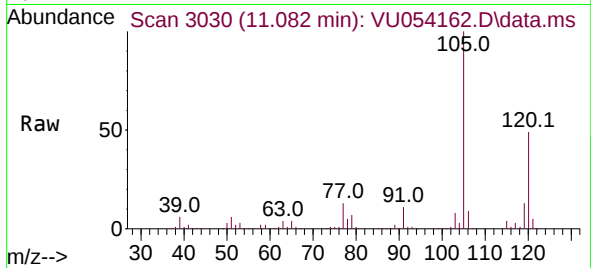
VSTD005166

Tgt Ion:105 Resp: 268228

Ion Ratio Lower Upper

105 100

120 49.2 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 4.613 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU054162.D

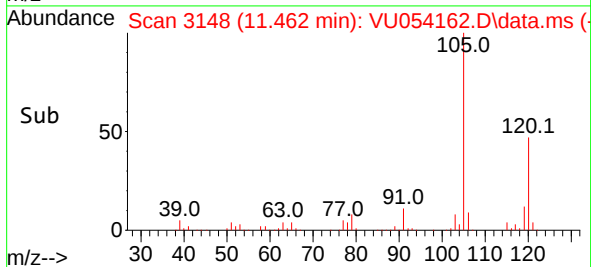
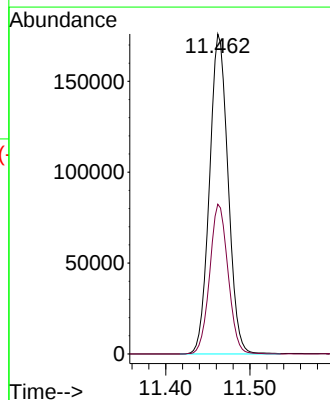
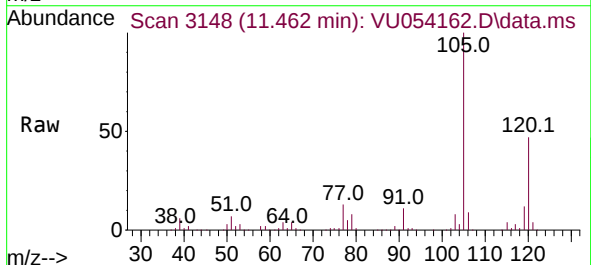
Acq: 18 May 2023 12:18

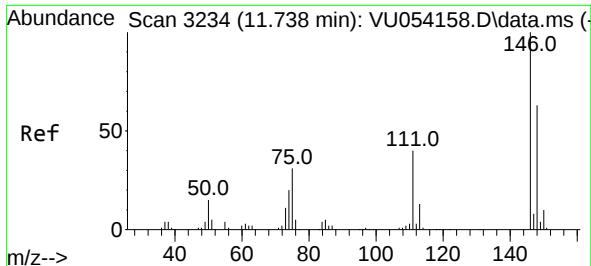
Tgt Ion:105 Resp: 269515

Ion Ratio Lower Upper

105 100

120 46.3 36.9 55.3

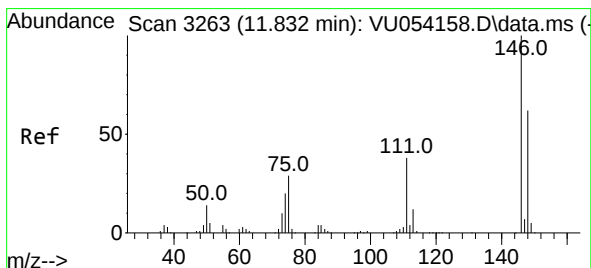
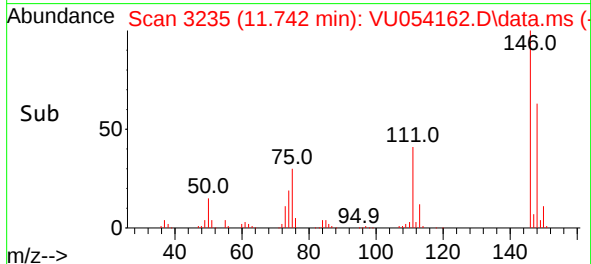
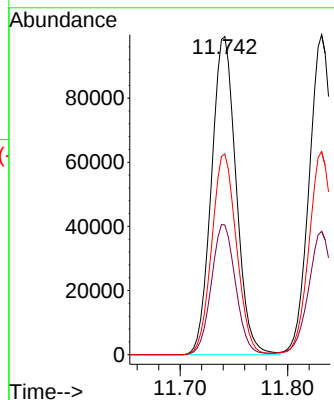
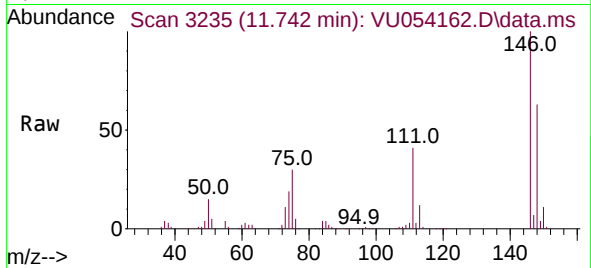




#64
1,3-Dichlorobenzene
Concen: 4.421 ug/L
RT: 11.742 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

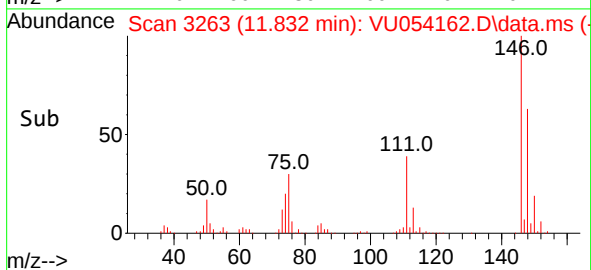
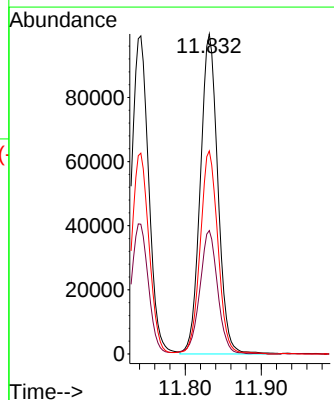
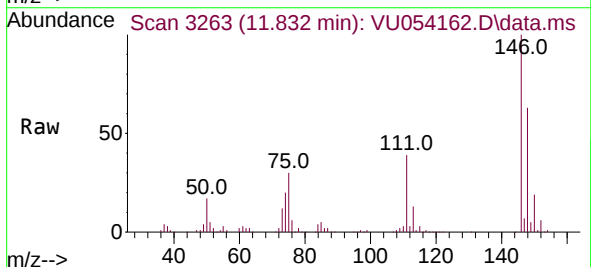
Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

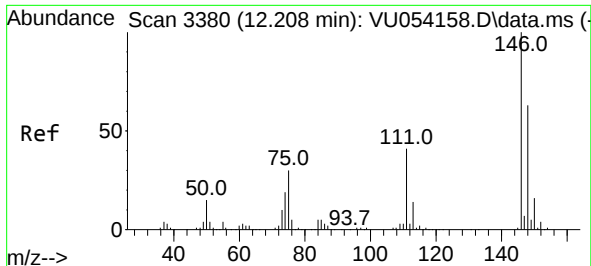
Tgt Ion:146 Resp: 158241
Ion Ratio Lower Upper
146 100
111 40.8 27.8 51.6
148 63.1 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 4.494 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

Tgt Ion:146 Resp: 159806
Ion Ratio Lower Upper
146 100
111 38.6 26.6 49.4
148 63.5 43.8 81.3

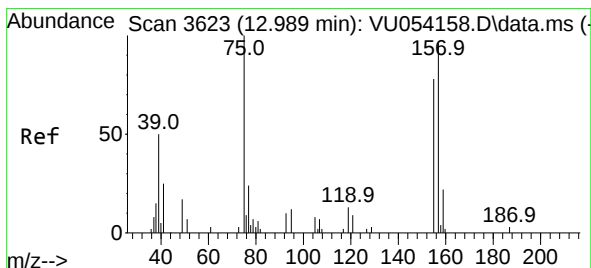
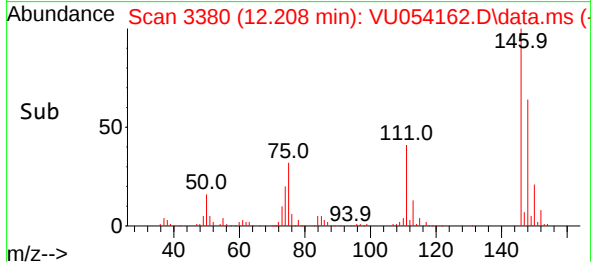
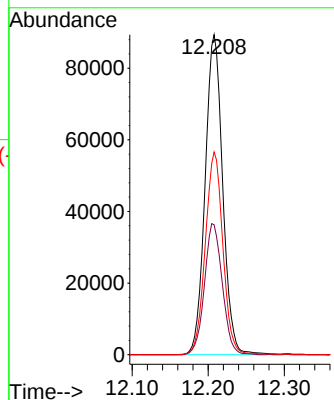
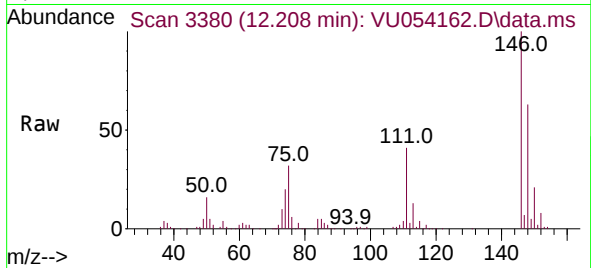




#67
1,2-Dichlorobenzene
Concen: 4.371 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

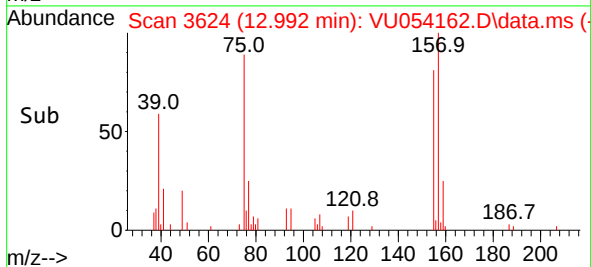
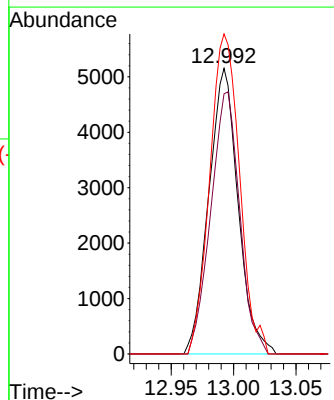
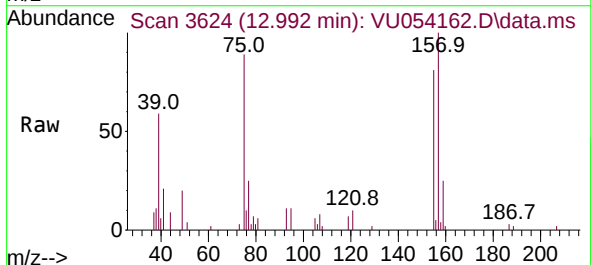
Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

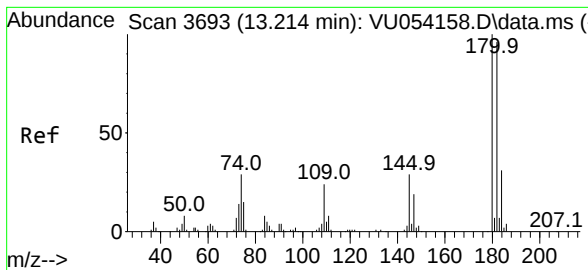
Tgt Ion:146 Resp: 143590
Ion Ratio Lower Upper
146 100
111 40.6 33.0 49.4
148 63.3 50.5 75.7



#68
1,2-Dibromo-3-chloropropane
Concen: 4.146 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. 0.003 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

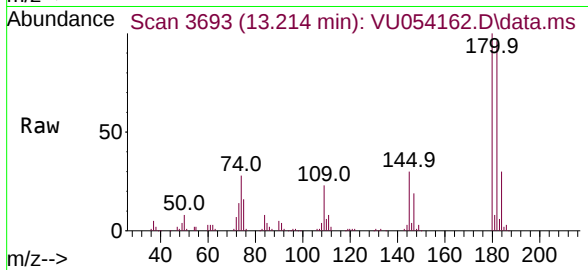
Tgt Ion: 75 Resp: 8445
Ion Ratio Lower Upper
75 100
155 91.1 62.7 94.1
157 112.0 77.0 115.4



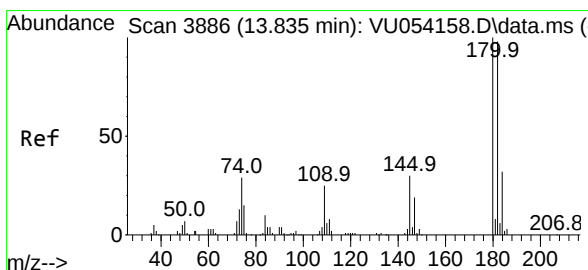
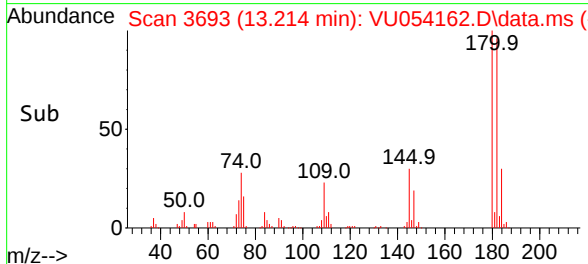
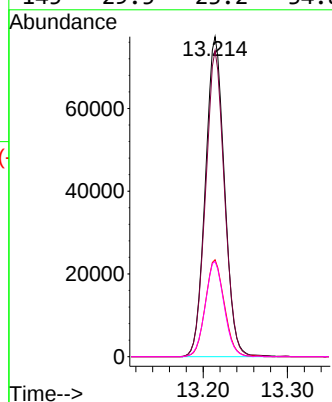


#69
 1,3,5-Trichlorobenzene
 Concen: 4.557 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU054162.D
 Acq: 18 May 2023 12:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005166

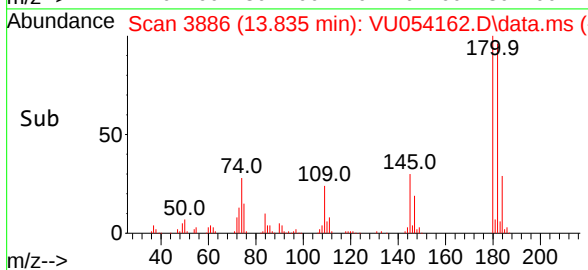
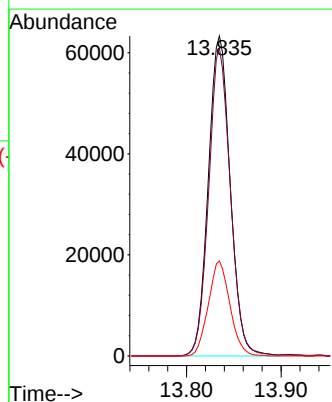
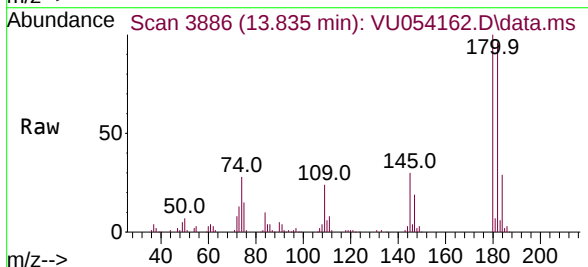


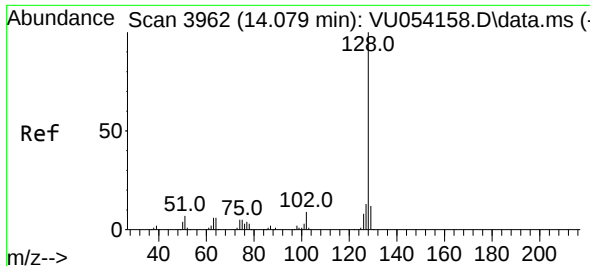
Tgt Ion:180 Resp: 121691
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.1 114.1
 184 30.2 24.5 36.7
 145 29.5 23.2 34.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.604 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU054162.D
 Acq: 18 May 2023 12:18

Tgt Ion:180 Resp: 101803
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.4 114.6
 145 29.3 23.3 34.9

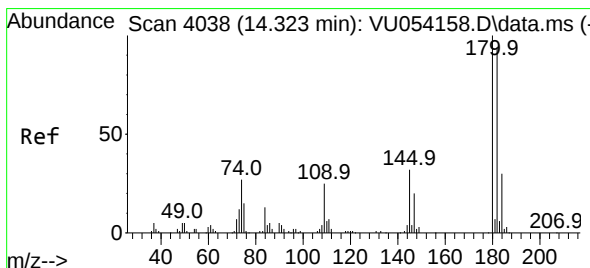
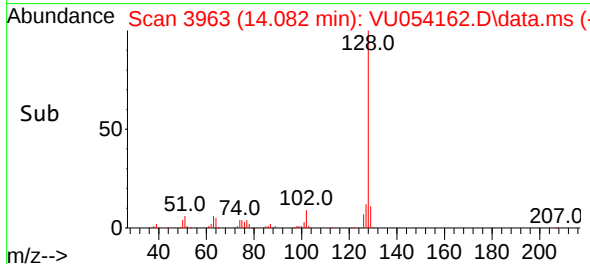
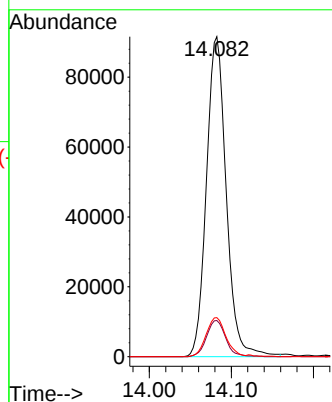
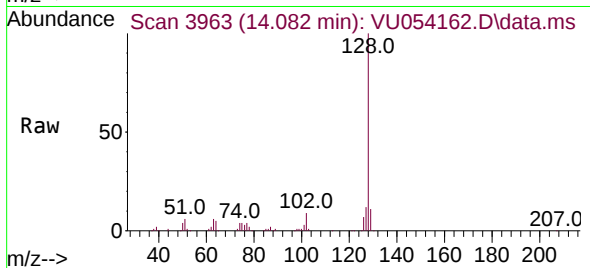




#71
Naphthalene
Concen: 4.816 ug/L
RT: 14.082 min Scan# 3962
Delta R.T. 0.003 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD005166

Tgt Ion:128 Resp: 154044
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 12.2 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.734 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.000 min
Lab File: VU054162.D
Acq: 18 May 2023 12:18

Tgt Ion:180 Resp: 88597
Ion Ratio Lower Upper
180 100
182 94.7 76.4 114.6
145 31.3 25.1 37.7

