

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122922\
 Data File : VU052617.D
 Acq On : 29 Dec 2022 20:13
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005123

Quant Time: Dec 30 01:01:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 30 00:58:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	170857	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	166536	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	91729	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	83741	4.838	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.800%
7) Chloroethane-d5	1.916	69	75816	5.079	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.600%
11) 1,1-Dichloroethene-d2	2.568	65	37332	5.012	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.200%
20) 2-Butanone-d5	4.645	46	305426	56.900	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.800%
24) Chloroform-d	5.060	84	154677	5.296	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.000%
26) 1,2-Dichloroethane-d4	5.700	65	88487	5.224	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.400%
32) Benzene-d6	5.726	84	311202	5.450	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.000%
36) 1,2-Dichloropropane-d6	6.687	67	107001	5.444	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.800%
41) Toluene-d8	7.893	98	272474	5.685	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.600%
43) trans-1,3-Dichloroprop...	8.176	79	37796	5.616	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	112.400%
46) 2-Hexanone-d5	8.632	63	221186	60.070	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.140%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	90057	5.397	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	95738	5.126	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	70342	4.627	ug/L	100
3) Chloromethane	1.520	50	105345	4.801	ug/L	99
5) Vinyl chloride	1.604	62	93218	4.686	ug/L	97
6) Bromomethane	1.861	94	39068	3.445	ug/L	99
8) Chloroethane	1.935	64	59180	4.344	ug/L	98
9) Trichlorofluoromethane	2.141	101	108022	4.803	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	63805	4.773	ug/L	100
12) 1,1-Dichloroethene	2.581	96	60459	4.725	ug/L	98
13) Acetone	2.668	43	173795	43.920	ug/L	62
14) Carbon disulfide	2.793	76	182904	4.436	ug/L	100
15) Methyl Acetate	2.961	43	41725	4.786	ug/L	99
16) Methylene chloride	3.044	84	81580	4.513	ug/L	98
17) Methyl tert-butyl Ether	3.363	73	163749	4.794	ug/L	100
18) trans-1,2-Dichloroethene	3.353	96	62552	4.743	ug/L	99
19) 1,1-Dichloroethane	3.867	63	140367	4.894	ug/L	98
21) 2-Butanone	4.723	43	303254	52.036	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	70038	4.839	ug/L	97
23) Bromochloromethane	4.973	128	32777	4.887	ug/L	99
25) Chloroform	5.083	83	132849	4.781	ug/L	97

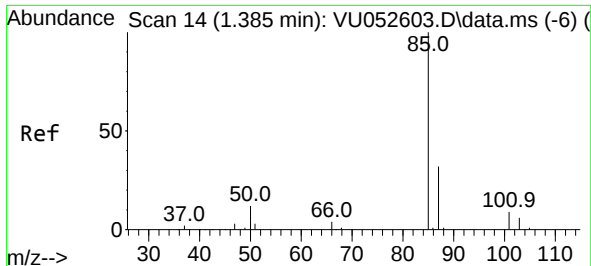
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	93142	4.852	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	104796	5.000	ug/L	99
30) Cyclohexane	5.385	56	112685	4.975	ug/L	98
31) Carbon tetrachloride	5.520	117	84575	4.592	ug/L	97
33) Benzene	5.771	78	293606	4.895	ug/L	100
34) Trichloroethene	6.539	95	65881	4.698	ug/L	98
35) Methylcyclohexane	6.761	83	104860	4.959	ug/L	96
37) 1,2-Dichloropropane	6.787	63	85068	5.082	ug/L	99
38) Bromodichloromethane	7.102	83	96241	4.724	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	104197	4.915	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	635855	51.984	ug/L	98
42) Toluene	7.967	91	297910	5.180	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	95019	5.086	ug/L	98
45) 1,1,2-Trichloroethane	8.395	97	56705	4.783	ug/L	98
47) Tetrachloroethene	8.549	164	47427	4.845	ug/L	97
48) 2-Hexanone	8.681	43	481913	52.268	ug/L	99
49) Dibromochloromethane	8.806	129	62663	4.992	ug/L	100
50) 1,2-Dibromoethane	8.919	107	52666	4.887	ug/L #	98
51) Chlorobenzene	9.443	112	182355	4.965	ug/L	100
52) Ethylbenzene	9.565	91	295568	4.966	ug/L	100
53) m,p-Xylene	9.690	106	114818	5.232	ug/L	99
54) o-Xylene	10.095	106	108673	5.165	ug/L	99
55) Styrene	10.108	104	194338	5.310	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	80747	4.927	ug/L #	99
59) Bromoform	10.285	173	34670	4.302	ug/L	99
60) Isopropylbenzene	10.478	105	287267	4.832	ug/L	99
61) 1,2,3-Trichloropropane	10.816	75	58375	4.437	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	224955	4.588	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	231576	4.691	ug/L	100
64) 1,3-Dichlorobenzene	11.738	146	140747	4.771	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	139493	4.573	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	134430	4.612	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	13346	4.482	ug/L	92
69) 1,3,5-Trichlorobenzene	13.214	180	97849	4.505	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	79335	4.341	ug/L	99
71) Naphthalene	14.082	128	153994	4.164	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	78741	4.298	ug/L	99

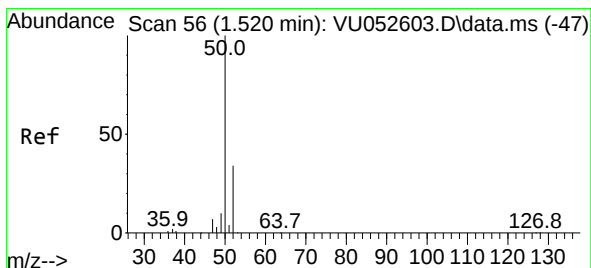
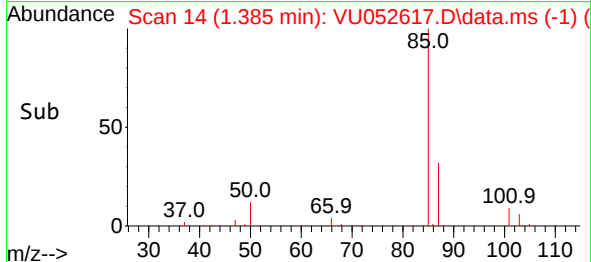
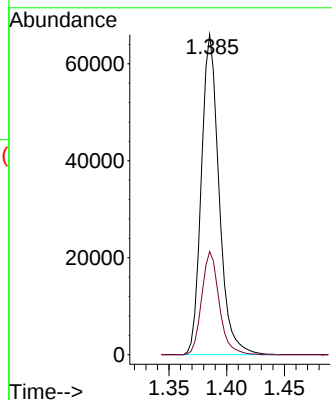
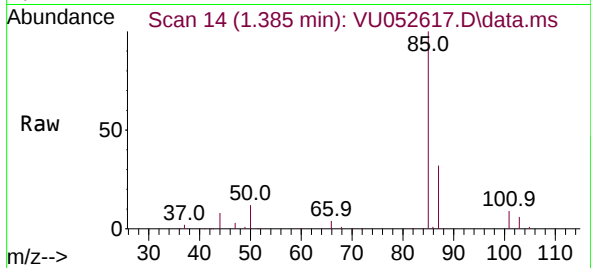
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.627 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU052617.D
 Acq: 29 Dec 2022 20:13

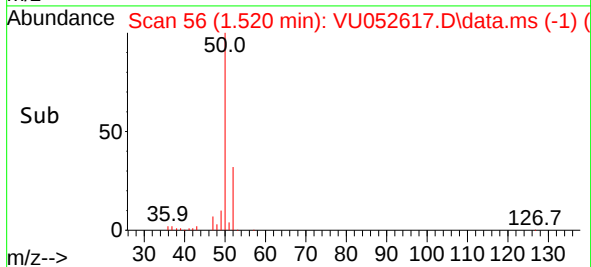
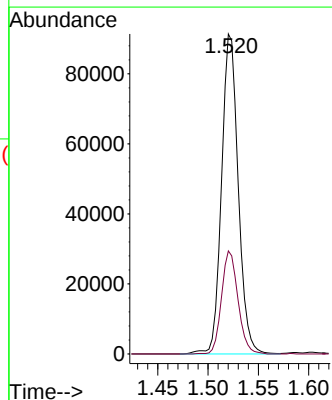
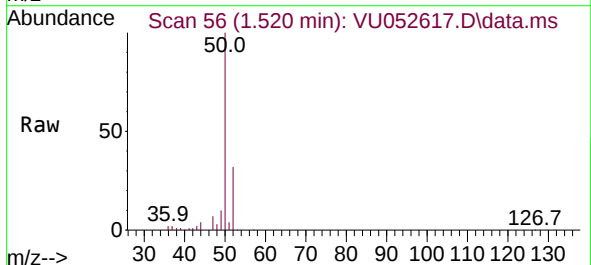
Instrument :
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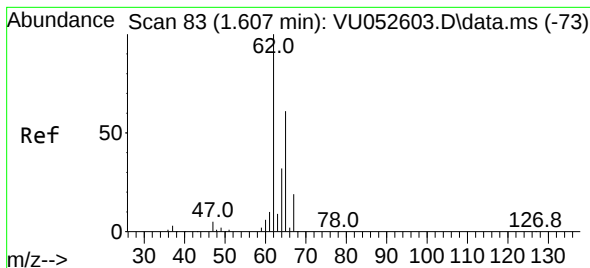
Tgt Ion: 85 Resp: 70342
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.6 38.4



#3
 Chloromethane
 Concen: 4.801 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU052617.D
 Acq: 29 Dec 2022 20:13

Tgt Ion: 50 Resp: 105345
 Ion Ratio Lower Upper
 50 100
 52 32.2 23.0 42.6





#5

Vinyl chloride

Concen: 4.686 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.003 min

Lab File: VU052617.D

Acq: 29 Dec 2022 20:13

Instrument :

MSVOA_U

ClientSampleId :

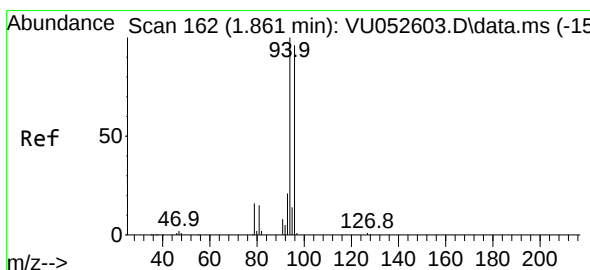
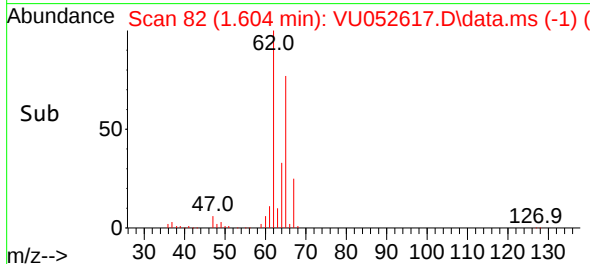
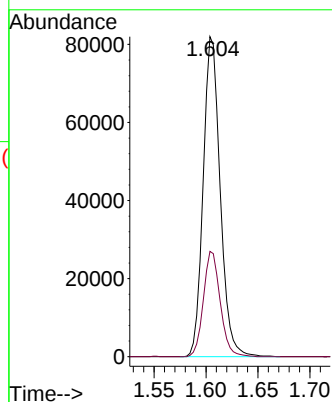
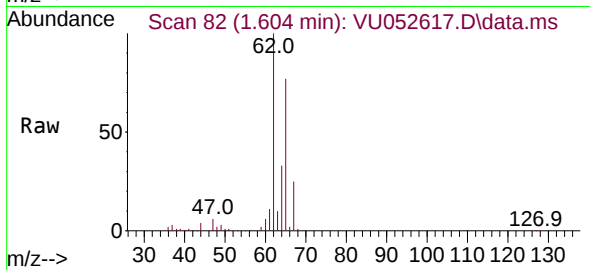
VSTD005123

Tgt Ion: 62 Resp: 93218

Ion Ratio Lower Upper

62 100

64 32.9 24.4 45.4



#6

Bromomethane

Concen: 3.445 ug/L

RT: 1.861 min Scan# 162

Delta R.T. 0.000 min

Lab File: VU052617.D

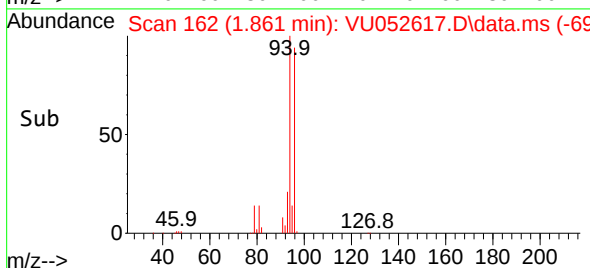
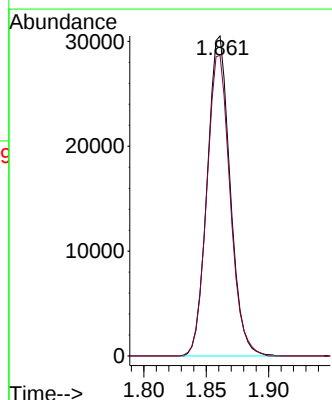
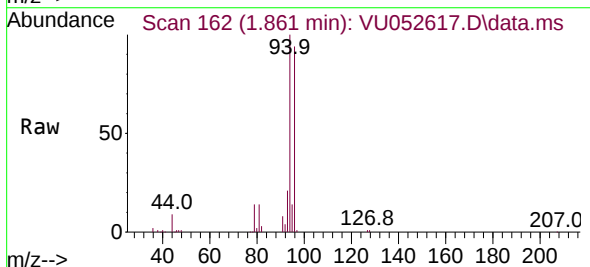
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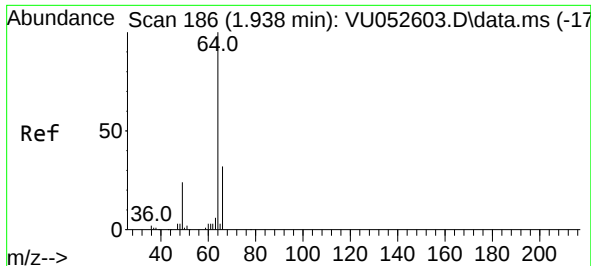
Tgt Ion: 94 Resp: 39068

Ion Ratio Lower Upper

94 100

96 93.9 65.0 120.8

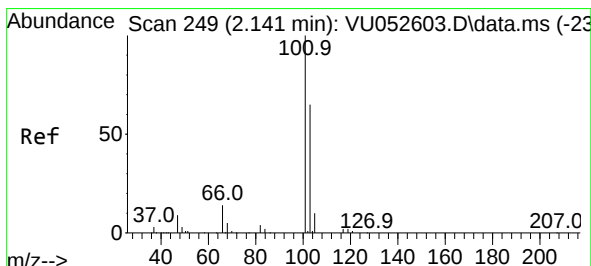
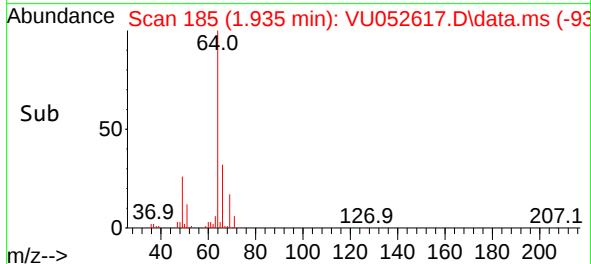
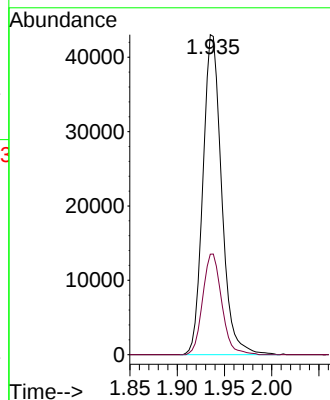
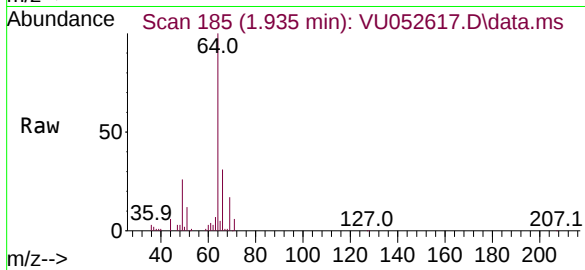




#8
Chloroethane
Concen: 4.344 ug/L
RT: 1.935 min Scan# 185
Delta R.T. -0.003 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

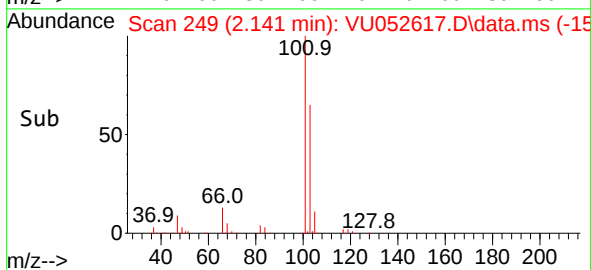
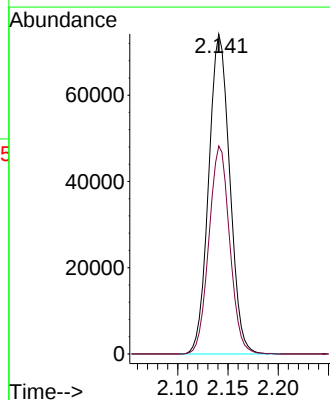
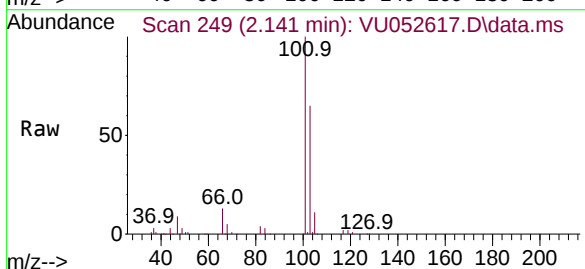
Instrument :
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ClientSampleId :
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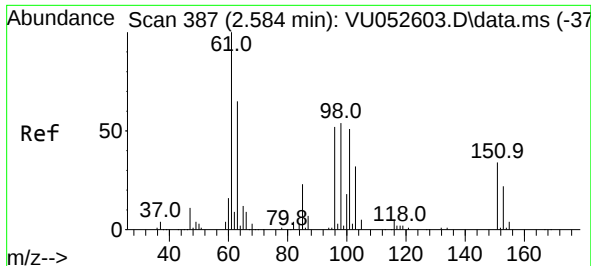
Tgt Ion: 64 Resp: 59180
Ion Ratio Lower Upper
64 100
66 31.4 21.3 39.5



#9
Trichlorofluoromethane
Concen: 4.803 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

Tgt Ion: 101 Resp: 108022
Ion Ratio Lower Upper
101 100
103 64.1 52.0 78.0

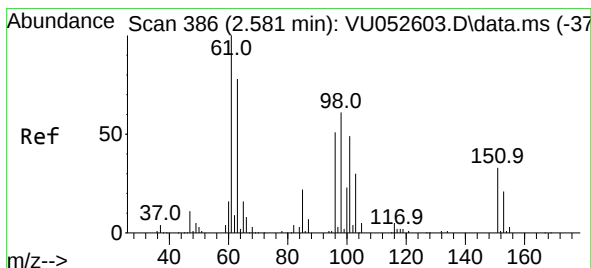
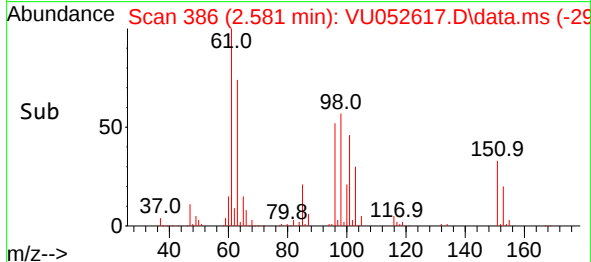
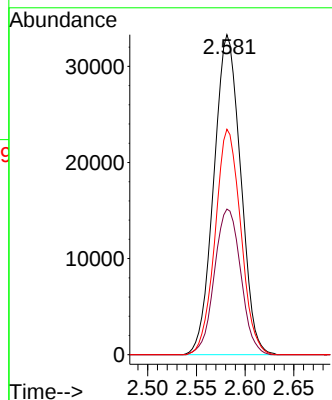
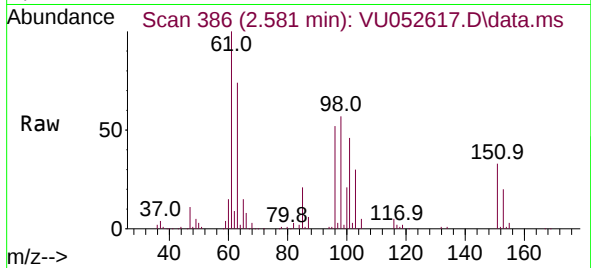




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.773 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.003 min
 Lab File: VU052617.D
 Acq: 29 Dec 2022 20:13

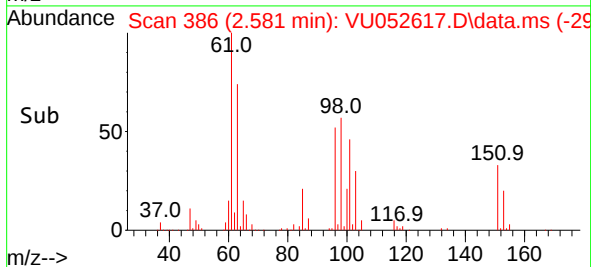
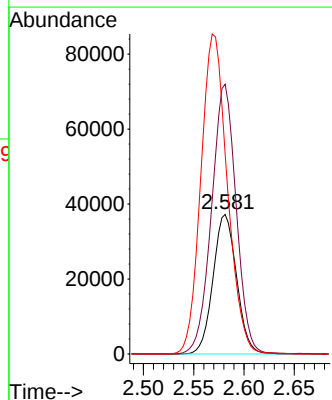
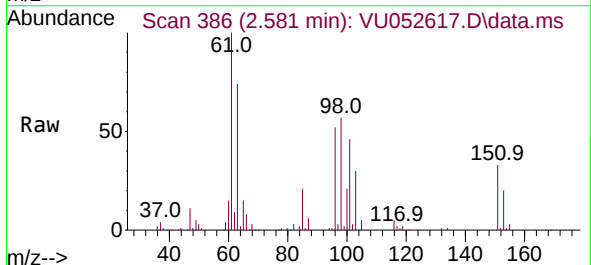
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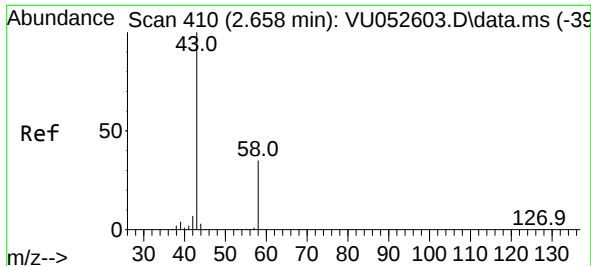
Tgt Ion: 101 Resp: 63805
 Ion Ratio Lower Upper
 101 100
 85 44.6 35.8 53.6
 151 67.4 53.6 80.4



#12
 1,1-Dichloroethene
 Concen: 4.725 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052617.D
 Acq: 29 Dec 2022 20:13

Tgt Ion: 96 Resp: 60459
 Ion Ratio Lower Upper
 96 100
 61 193.3 135.4 251.4
 63 143.2 95.4 177.2





#13

Acetone

Concen: 43.920 ug/L

RT: 2.668 min Scan# 41

Delta R.T. 0.010 min

Lab File: VU052617.D

Acq: 29 Dec 2022 20:13

Instrument :

MSVOA_U

ClientSampleId :

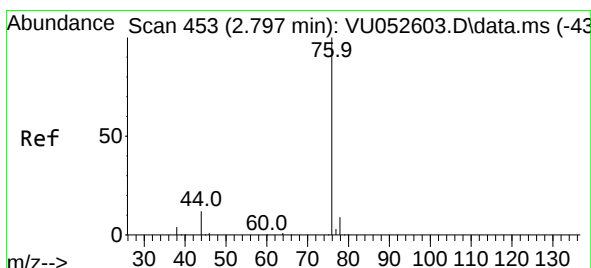
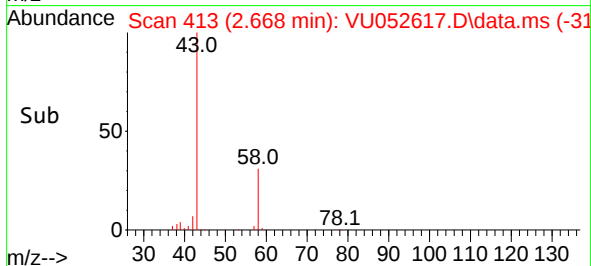
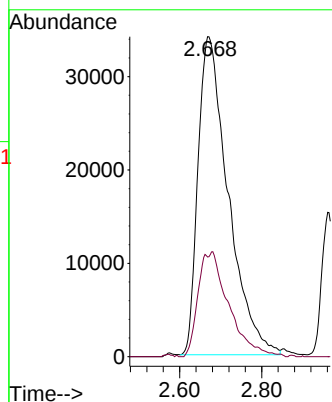
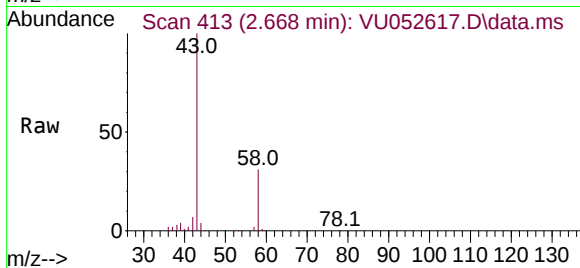
VSTD005123

Tgt Ion: 43 Resp: 173795

Ion Ratio Lower Upper

43 100

58 11.2 0.0 65.4



#14

Carbon disulfide

Concen: 4.436 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.003 min

Lab File: VU052617.D

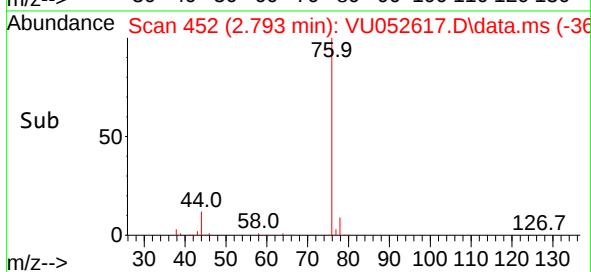
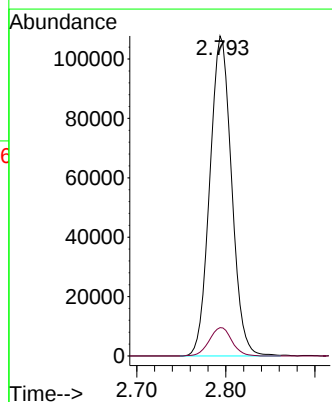
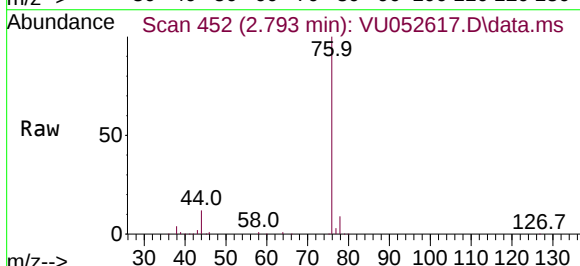
Acq: 29 Dec 2022 20:13

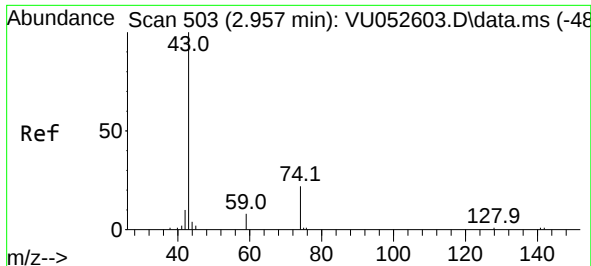
Tgt Ion: 76 Resp: 182904

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

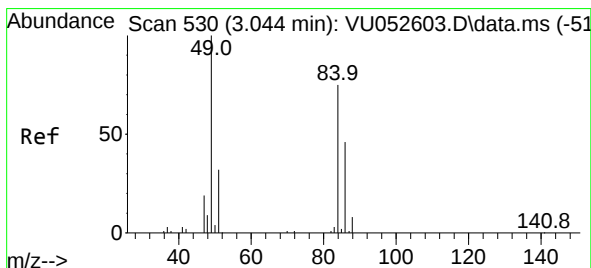
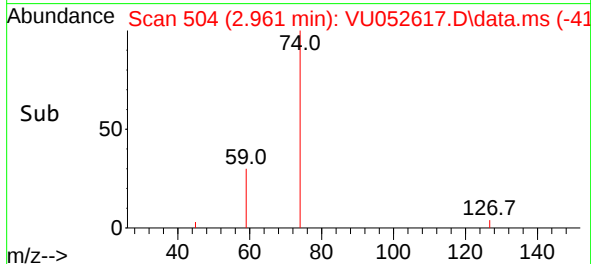
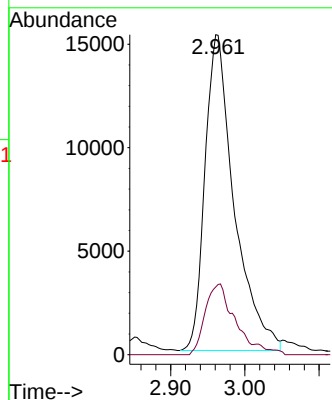
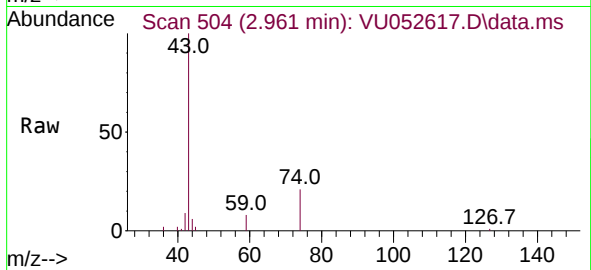




#15
Methyl Acetate
Concen: 4.786 ug/L
RT: 2.961 min Scan# 504
Delta R.T. 0.003 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

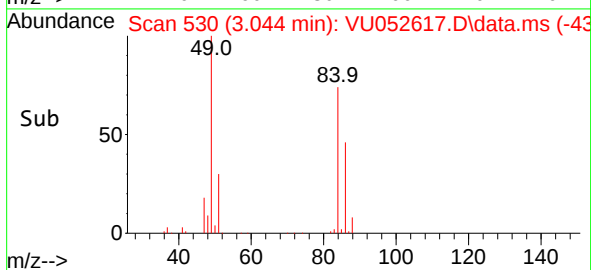
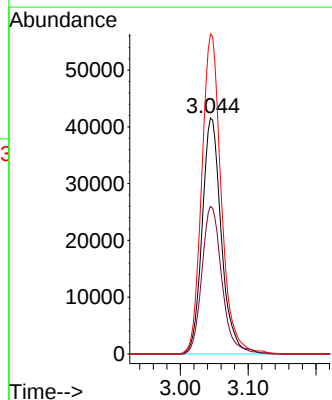
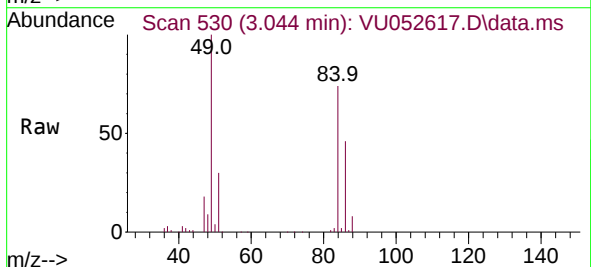
Instrument :
MSVOA_U
ClientSampleId :
VSTD005123

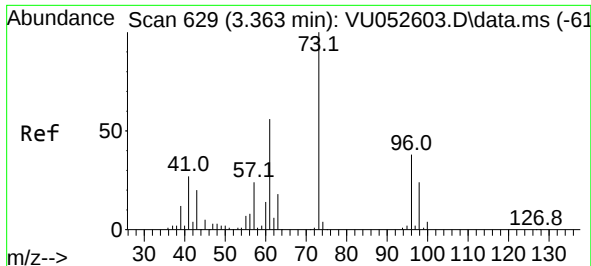
Tgt Ion: 43 Resp: 41725
Ion Ratio Lower Upper
43 100
74 21.7 16.9 25.3



#16
Methylene chloride
Concen: 4.513 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

Tgt Ion: 84 Resp: 81580
Ion Ratio Lower Upper
84 100
86 62.5 44.7 83.1
49 135.6 93.3 173.3

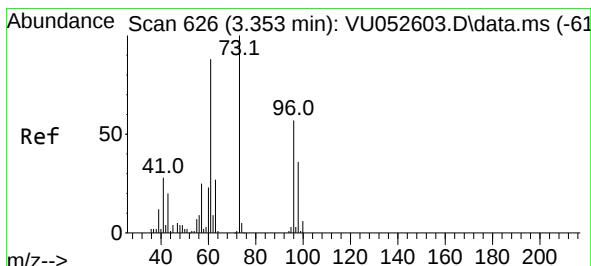
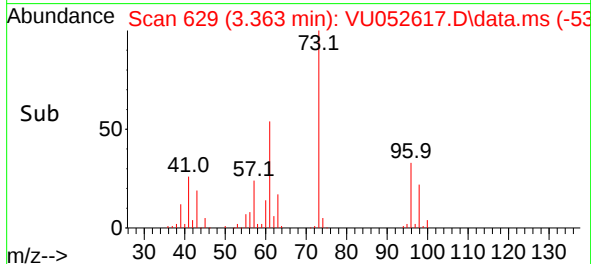
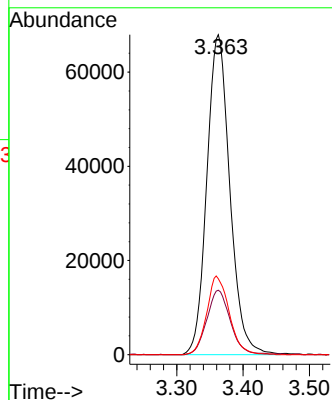
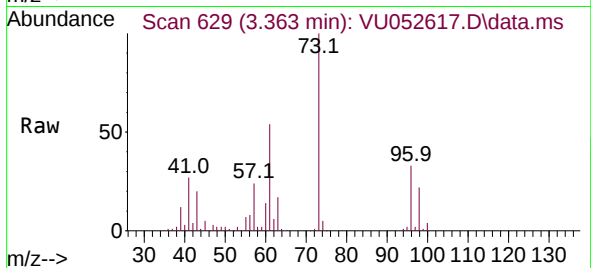




#17
Methyl tert-butyl Ether
Concen: 4.794 ug/L
RT: 3.363 min Scan# 617
Delta R.T. 0.000 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

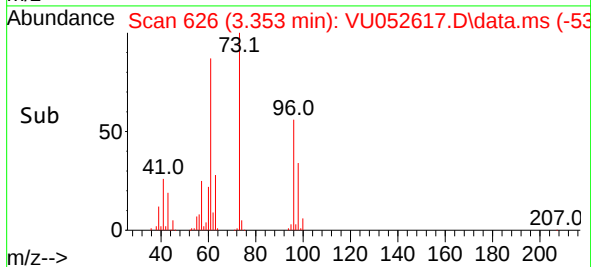
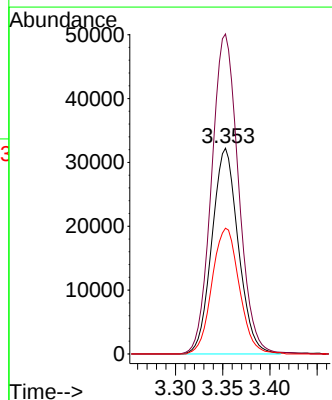
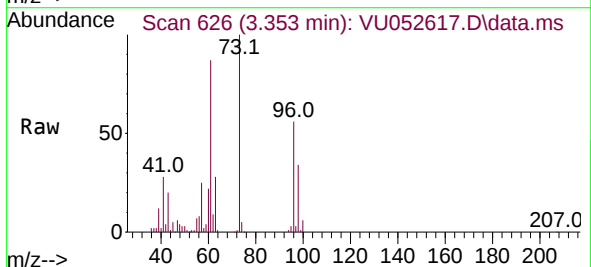
Instrument :
MSVOA_U
ClientSampleId :
VSTD005123

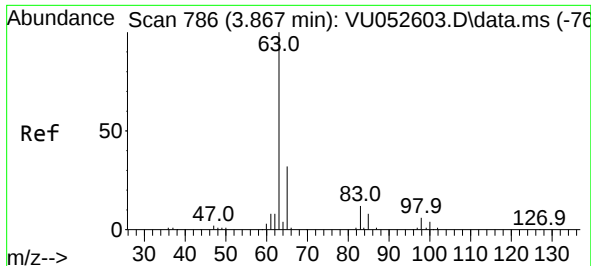
Tgt Ion: 73 Resp: 163749
Ion Ratio Lower Upper
73 100
43 20.6 16.1 24.1
57 24.0 19.2 28.8



#18
trans-1,2-Dichloroethene
Concen: 4.743 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

Tgt Ion: 96 Resp: 62552
Ion Ratio Lower Upper
96 100
61 155.6 108.3 201.1
98 61.1 44.0 81.6

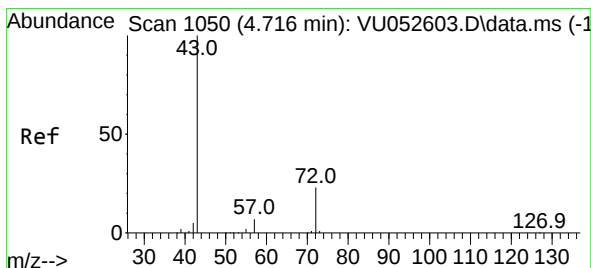
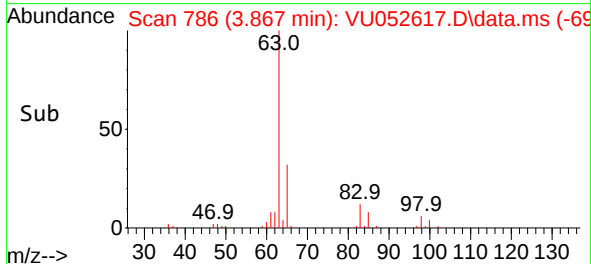
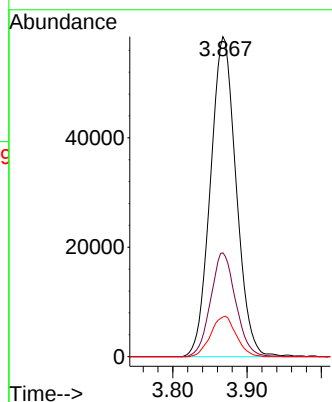
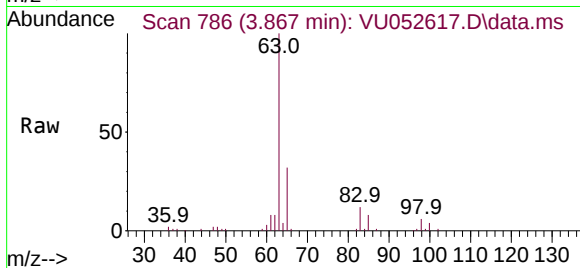




#19
1,1-Dichloroethane
Concen: 4.894 ug/L
RT: 3.867 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

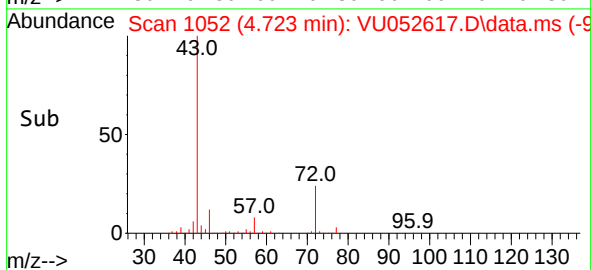
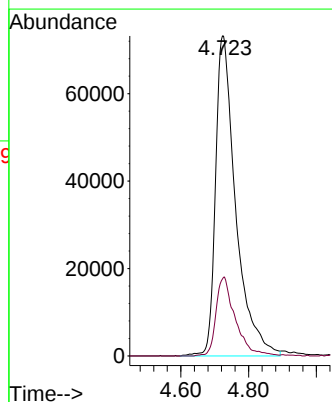
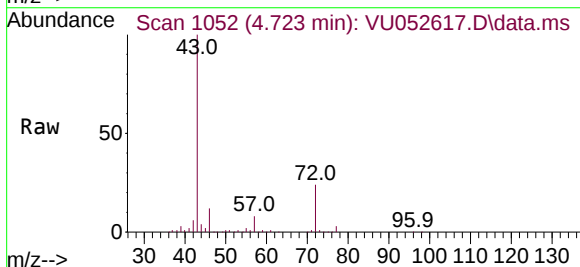
Instrument :
MSVOA_U
ClientSampleId :
VSTD005123

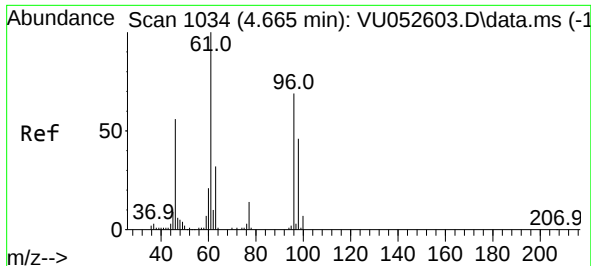
Tgt Ion: 63 Resp: 140367
Ion Ratio Lower Upper
63 100
65 32.5 22.0 40.8
83 12.4 9.0 16.8



#21
2-Butanone
Concen: 52.036 ug/L
RT: 4.723 min Scan# 1052
Delta R.T. 0.006 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

Tgt Ion: 43 Resp: 303254
Ion Ratio Lower Upper
43 100
72 23.5 11.6 34.7

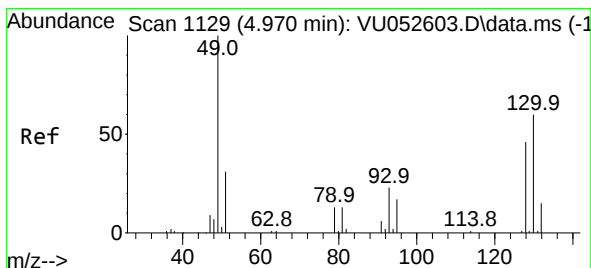
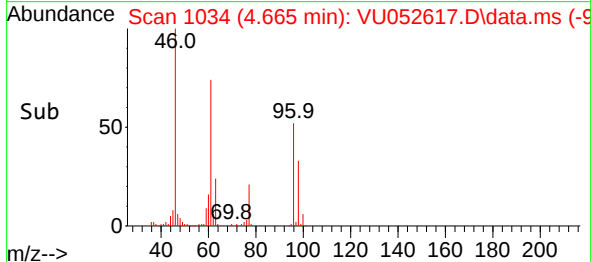
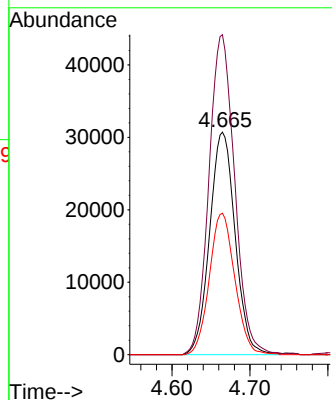
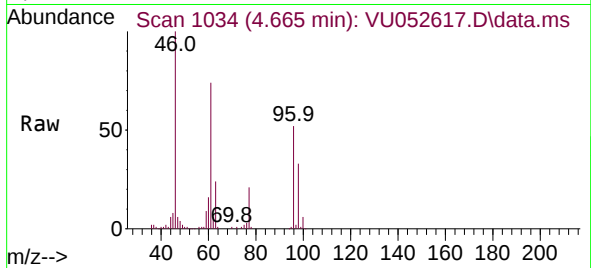




#22
 cis-1,2-Dichloroethene
 Concen: 4.839 ug/L
 RT: 4.665 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VU052617.D
 Acq: 29 Dec 2022 20:13

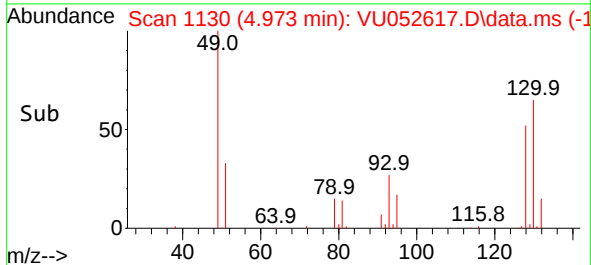
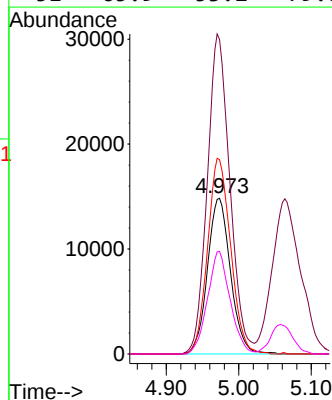
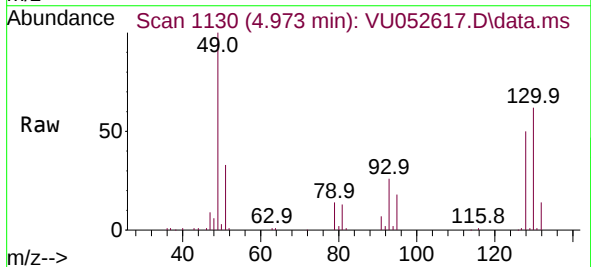
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005123

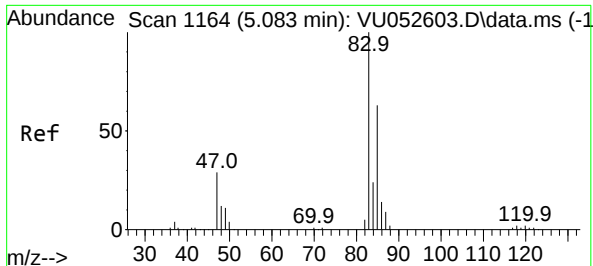
Tgt Ion: 96 Resp: 70038
 Ion Ratio Lower Upper
 96 100
 61 143.8 96.9 180.1
 98 63.6 44.7 83.1



#23
 Bromochloromethane
 Concen: 4.887 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. 0.003 min
 Lab File: VU052617.D
 Acq: 29 Dec 2022 20:13

Tgt Ion:128 Resp: 32777
 Ion Ratio Lower Upper
 128 100
 49 202.0 143.3 266.1
 130 124.7 88.4 164.2
 51 65.9 53.2 79.8





#25

Chloroform

Concen: 4.781 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU052617.D

Acq: 29 Dec 2022 20:13

Instrument :

MSVOA_U

ClientSampleId :

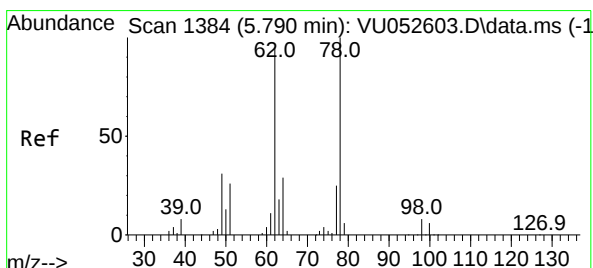
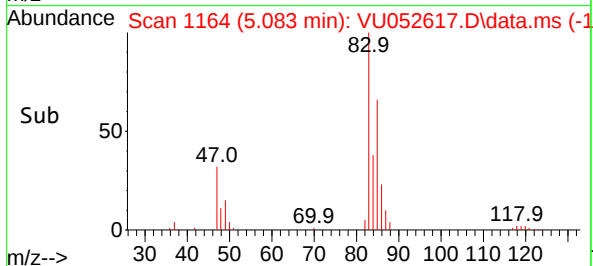
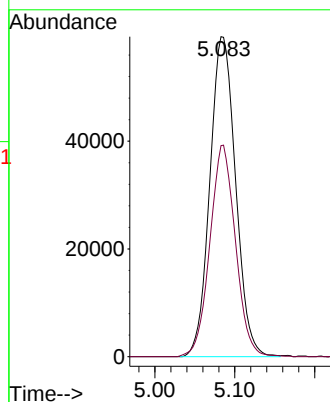
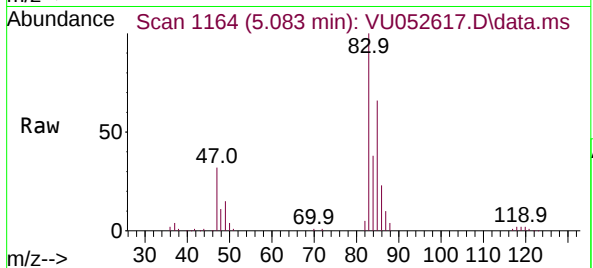
VSTD005123

Tgt Ion: 83 Resp: 132849

Ion Ratio Lower Upper

83 100

85 66.0 44.7 83.1



#27

1,2-Dichloroethane

Concen: 4.852 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU052617.D

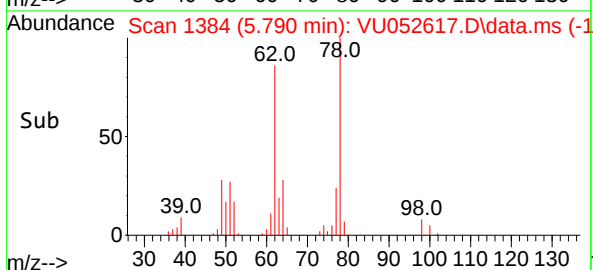
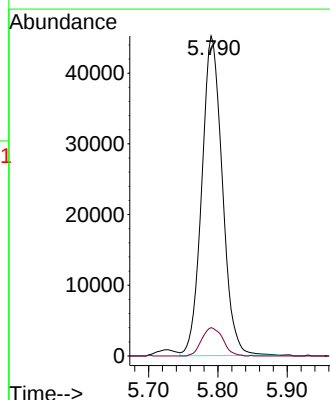
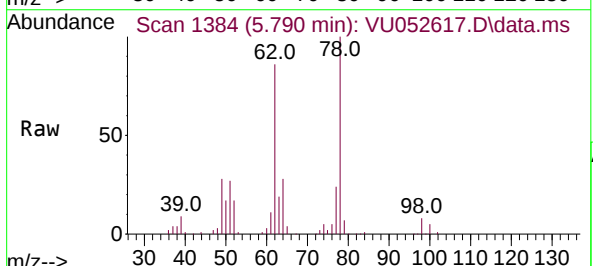
Acq: 29 Dec 2022 20:13

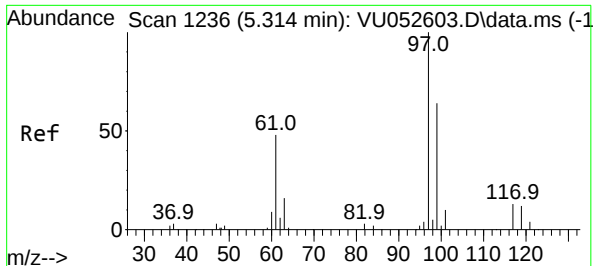
Tgt Ion: 62 Resp: 93142

Ion Ratio Lower Upper

62 100

98 8.8 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 5.000 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052617.D

Acq: 29 Dec 2022 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005123

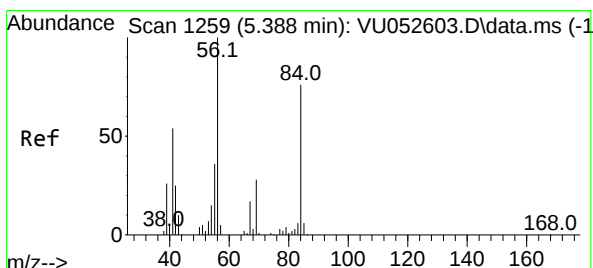
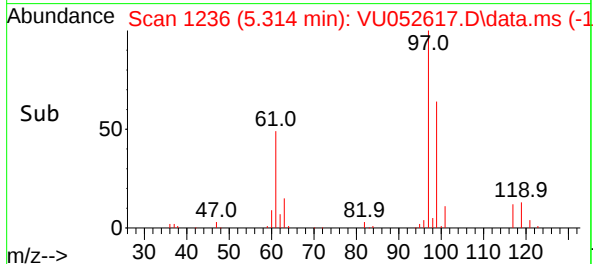
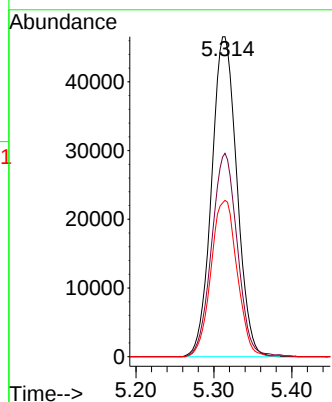
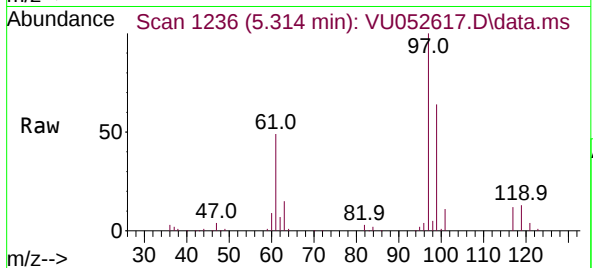
Tgt Ion: 97 Resp: 104796

Ion Ratio Lower Upper

97 100

99 64.7 52.2 78.2

61 50.5 41.6 62.4



#30

Cyclohexane

Concen: 4.975 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU052617.D

Acq: 29 Dec 2022 20:13

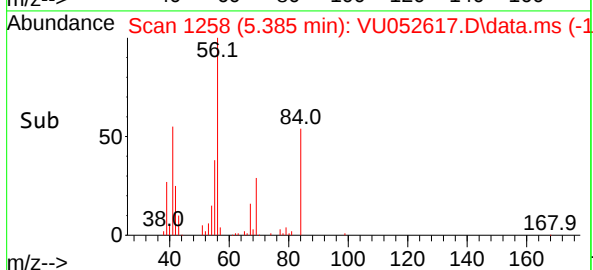
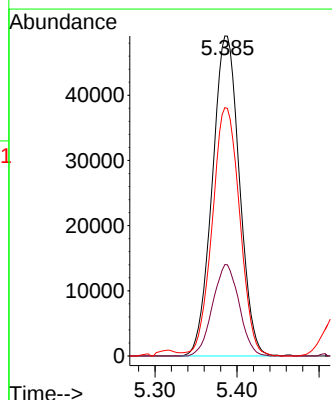
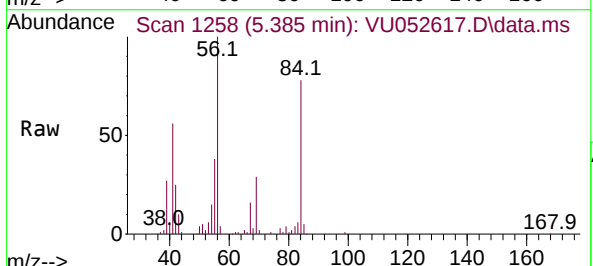
Tgt Ion: 56 Resp: 112685

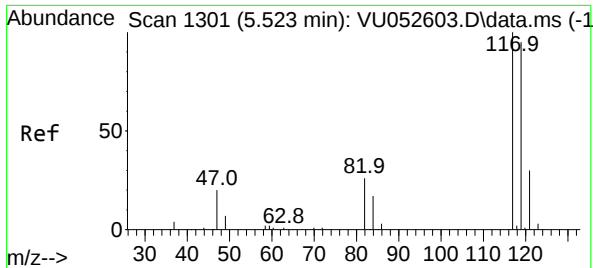
Ion Ratio Lower Upper

56 100

69 27.9 23.0 34.6

84 78.5 64.4 96.6

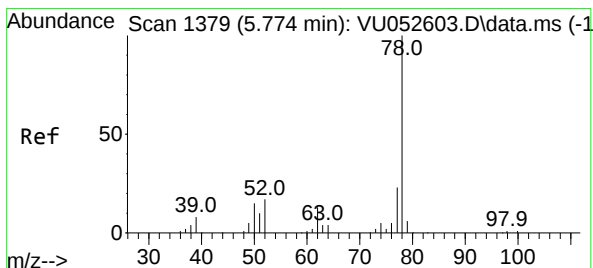
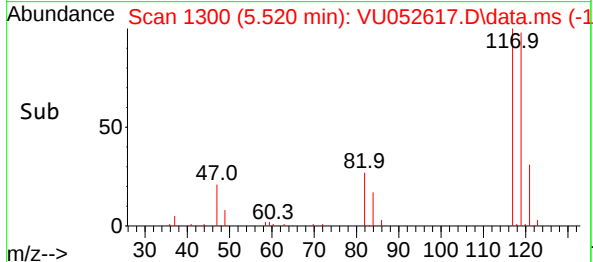
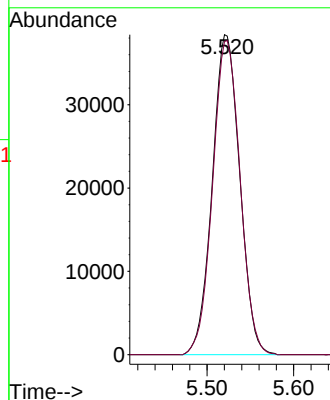
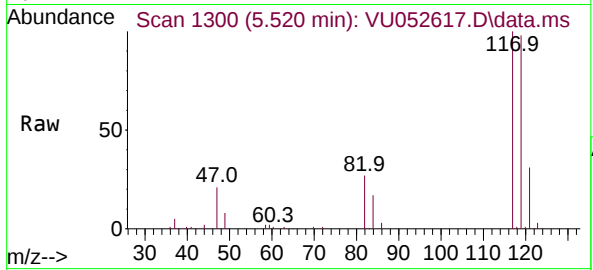




#31
Carbon tetrachloride
Concen: 4.592 ug/L
RT: 5.520 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

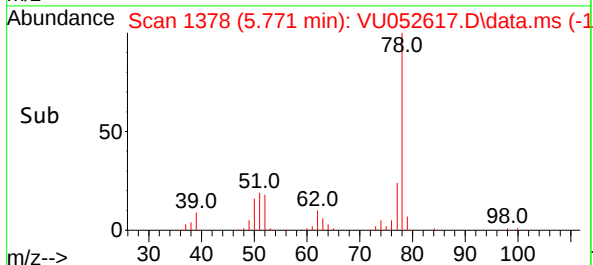
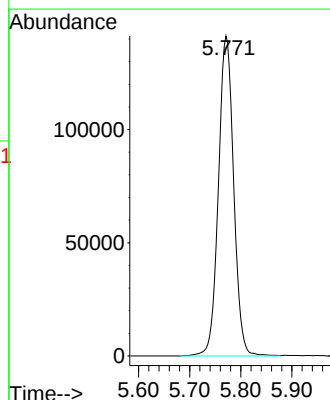
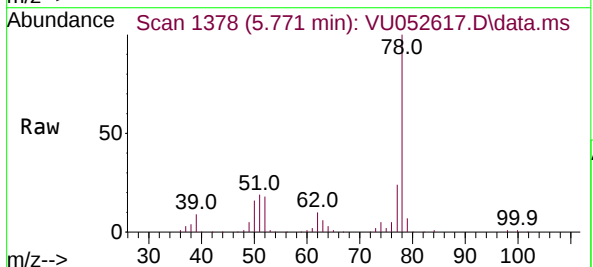
Instrument :
MSVOA_U
ClientSampleId :
VSTD005123

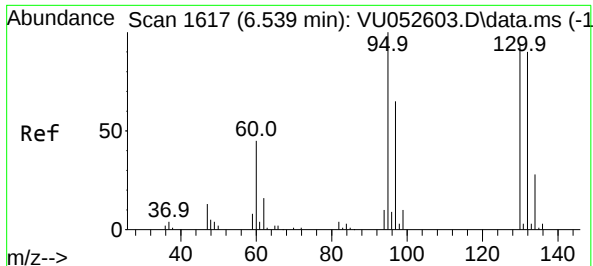
Tgt Ion:117 Resp: 84575
Ion Ratio Lower Upper
117 100
119 98.2 76.3 114.5



#33
Benzene
Concen: 4.895 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

Tgt Ion: 78 Resp: 293606

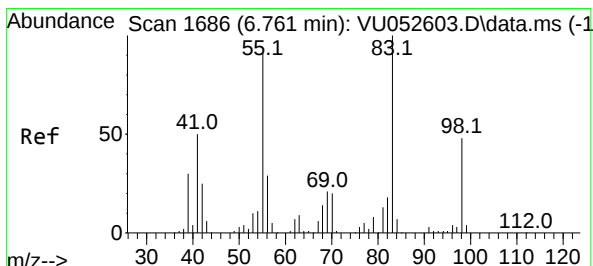
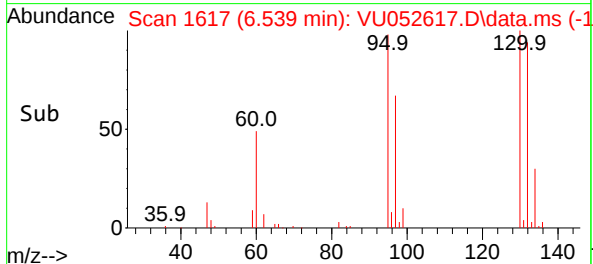
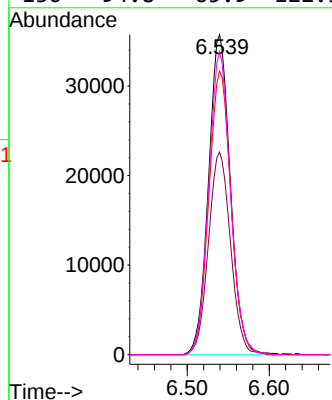
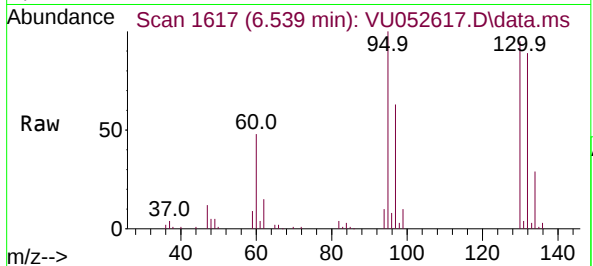




#34
Trichloroethene
Concen: 4.698 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

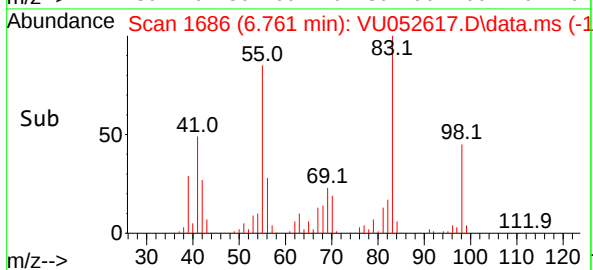
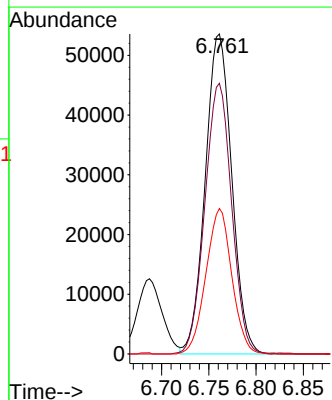
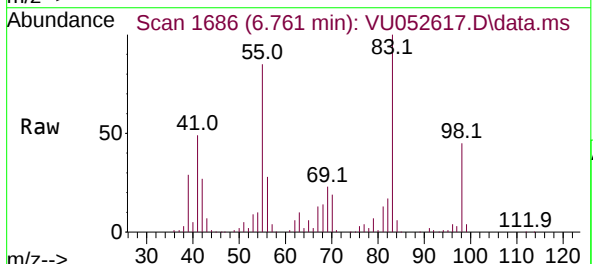
Instrument :
MSVOA_U
ClientSampleId :
VSTD005123

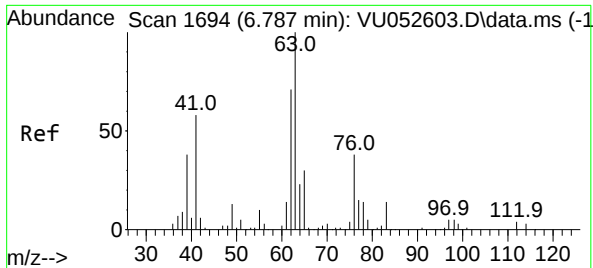
Tgt Ion: 95 Resp: 65881
Ion Ratio Lower Upper
95 100
97 63.3 46.3 86.1
132 88.6 63.9 118.7
130 94.8 65.9 122.5



#35
Methylcyclohexane
Concen: 4.959 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

Tgt Ion: 83 Resp: 104860
Ion Ratio Lower Upper
83 100
55 85.1 71.4 107.0
98 44.3 36.5 54.7

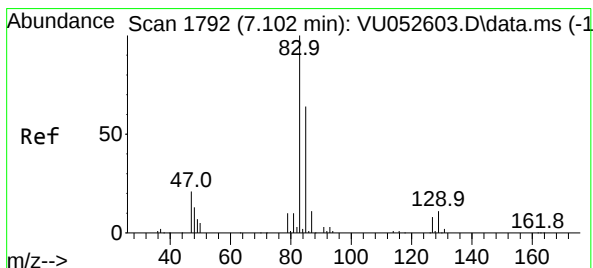
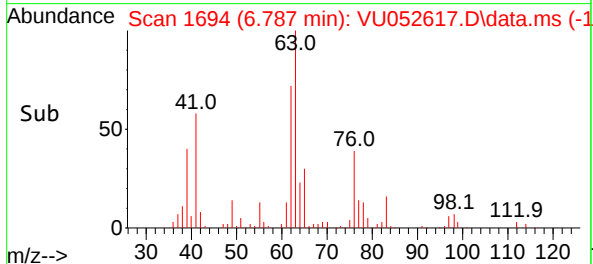
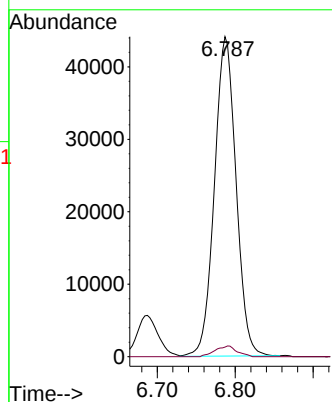
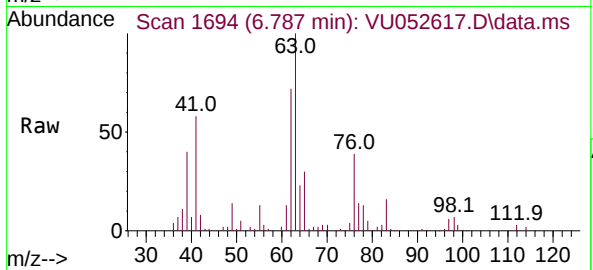




#37
1,2-Dichloropropane
Concen: 5.082 ug/L
RT: 6.787 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

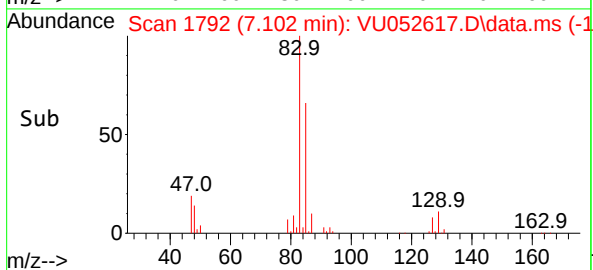
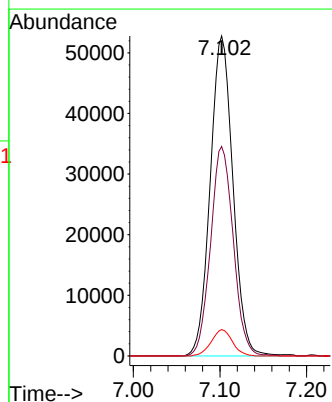
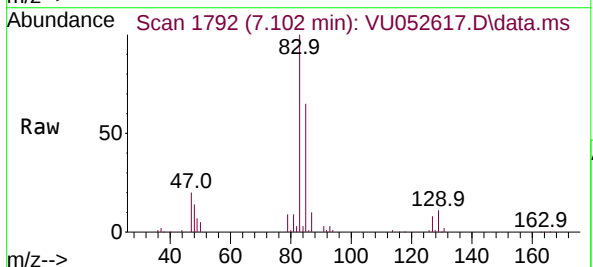
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MSVOA_U
ClientSampleId :
VSTD005123

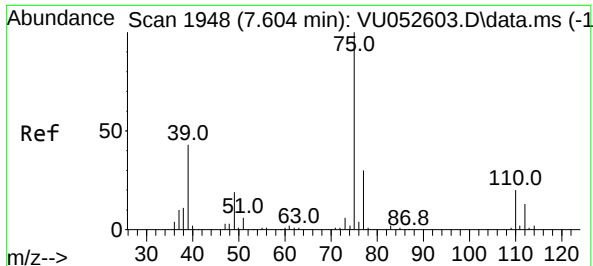
Tgt Ion: 63 Resp: 85068
Ion Ratio Lower Upper
63 100
112 3.4 3.0 4.6



#38
Bromodichloromethane
Concen: 4.724 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

Tgt Ion: 83 Resp: 96241
Ion Ratio Lower Upper
83 100
85 65.4 45.2 84.0
127 8.3 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 4.915 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU052617.D

Acq: 29 Dec 2022 20:13

Instrument :

MSVOA_U

ClientSampleId :

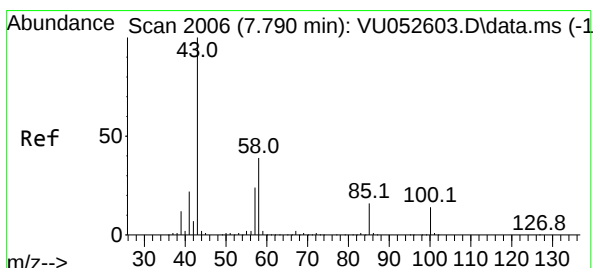
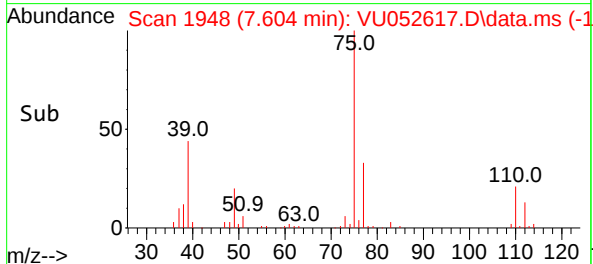
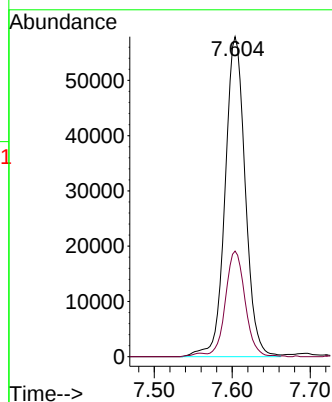
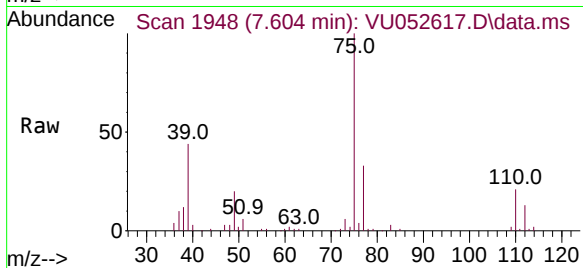
VSTD005123

Tgt Ion: 75 Resp: 104197

Ion Ratio Lower Upper

75 100

77 33.0 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 51.984 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU052617.D

Acq: 29 Dec 2022 20:13

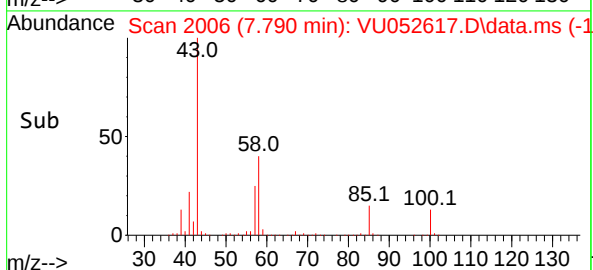
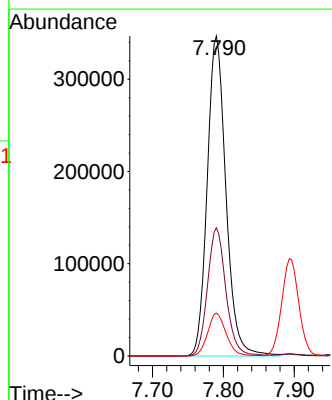
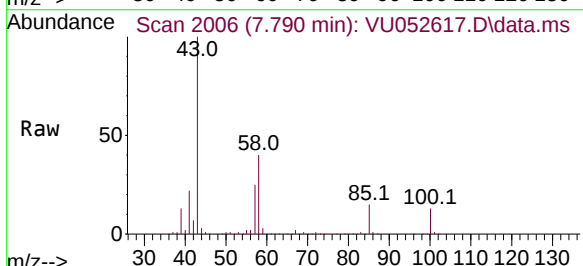
Tgt Ion: 43 Resp: 635855

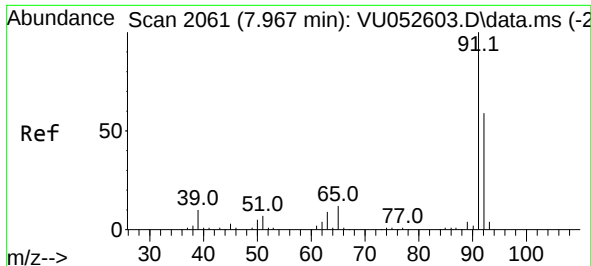
Ion Ratio Lower Upper

43 100

58 39.5 30.6 45.8

100 13.2 10.4 15.6





#42

Toluene

Concen: 5.180 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052617.D

Acq: 29 Dec 2022 20:13

Instrument :

MSVOA_U

ClientSampleId :

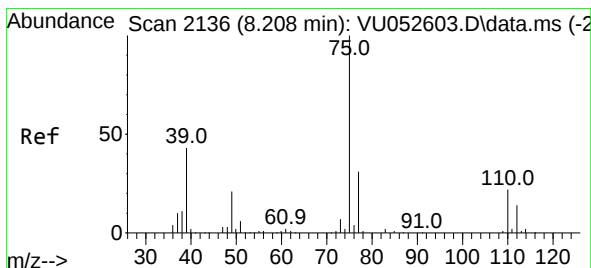
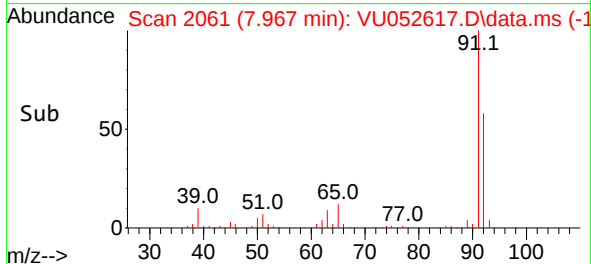
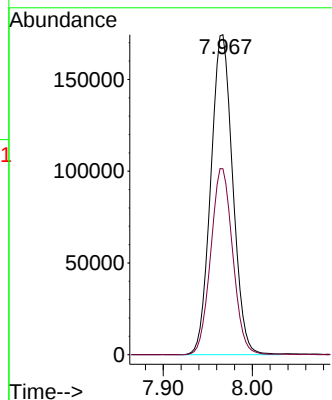
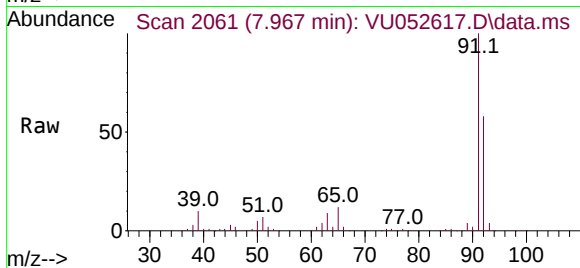
VSTD005123

Tgt Ion: 91 Resp: 297910

Ion Ratio Lower Upper

91 100

92 58.1 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.086 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.003 min

Lab File: VU052617.D

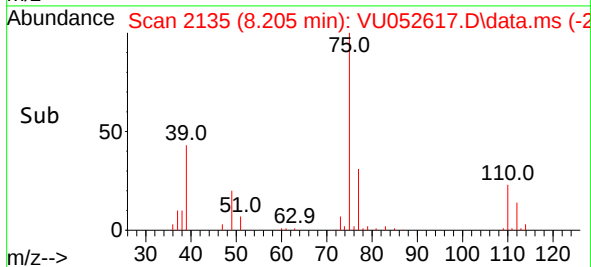
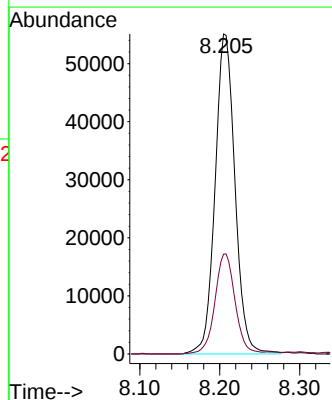
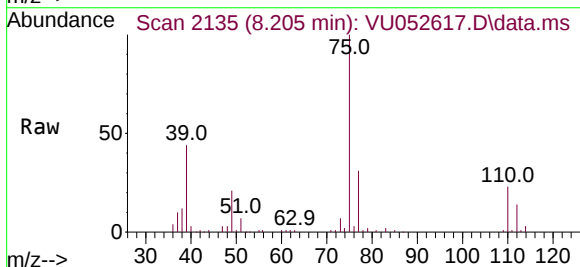
Acq: 29 Dec 2022 20:13

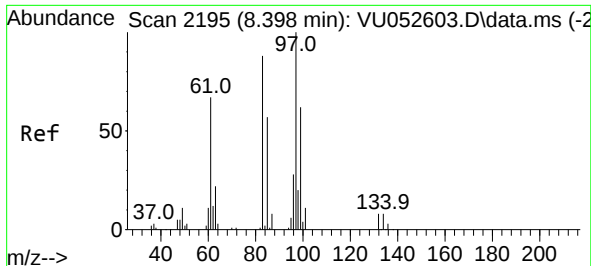
Tgt Ion: 75 Resp: 95019

Ion Ratio Lower Upper

75 100

77 31.2 22.8 42.4

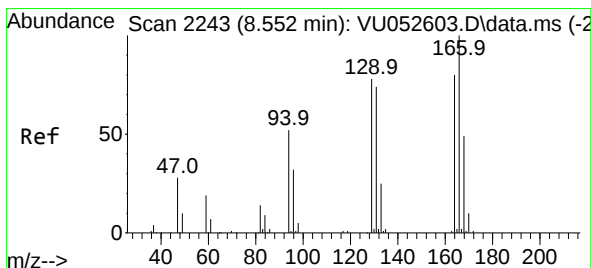
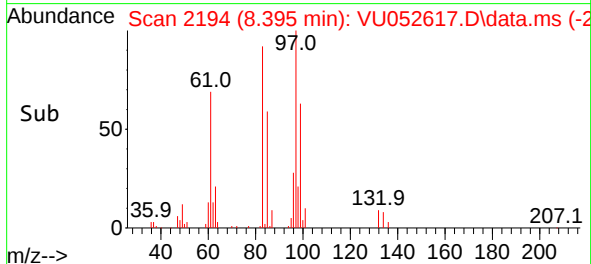
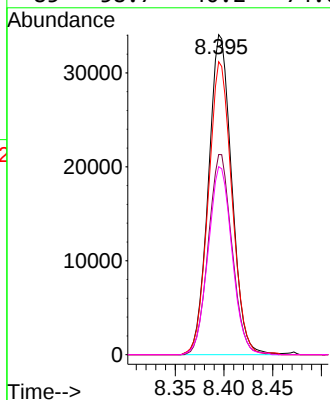
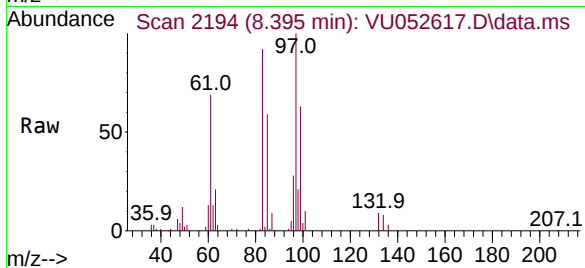




#45
1,1,2-Trichloroethane
Concen: 4.783 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. -0.003 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

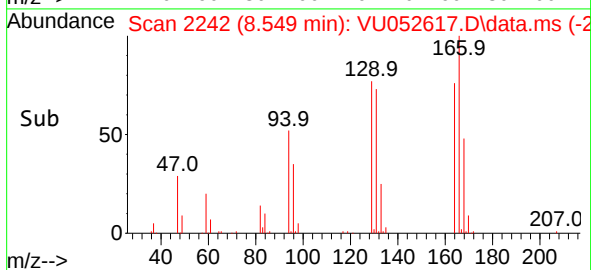
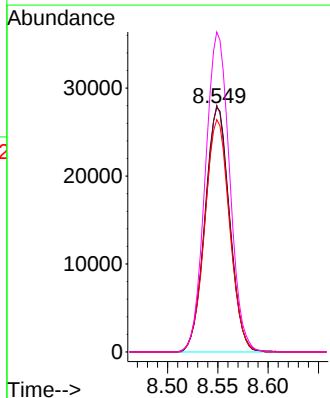
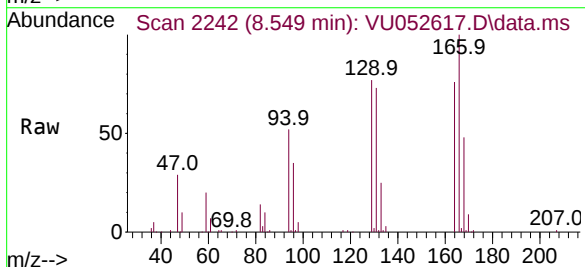
Instrument :
MSVOA_U
ClientSampleId :
VSTD005123

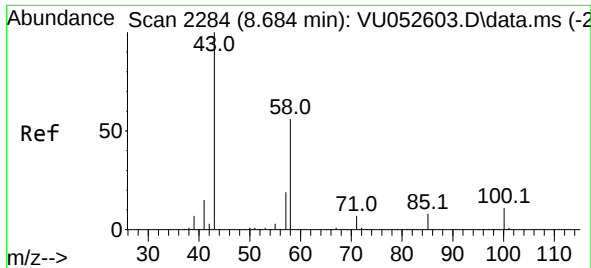
Tgt Ion:	97	Resp:	56705
Ion	Ratio	Lower	Upper
97	100		
99	62.5	42.0	78.0
83	91.6	63.2	117.4
85	58.7	40.2	74.6



#47
Tetrachloroethene
Concen: 4.845 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.003 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

Tgt Ion:	164	Resp:	47427
Ion	Ratio	Lower	Upper
164	100		
129	100.9	68.1	126.5
131	95.0	66.5	123.5
166	130.9	87.9	163.3



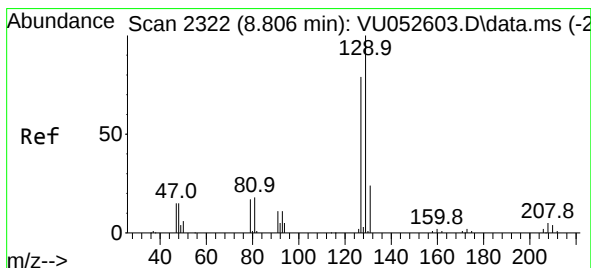
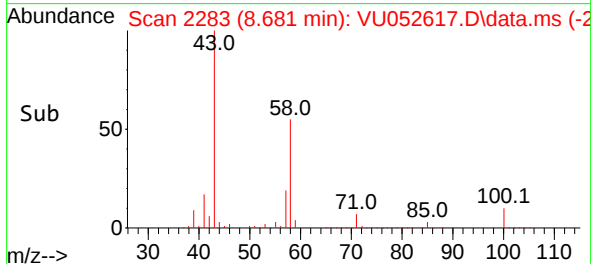
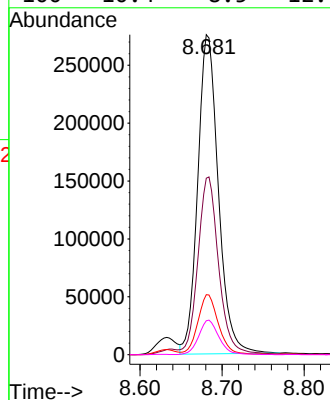
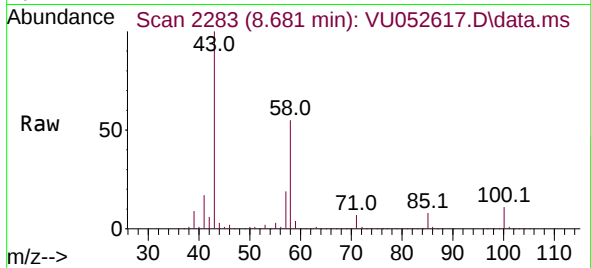


#48
2-Hexanone
Concen: 52.268 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD005123

Tgt Ion: 43 Resp: 481913

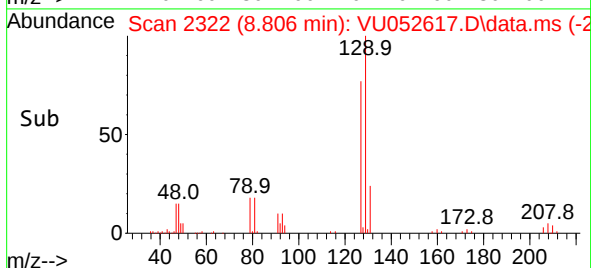
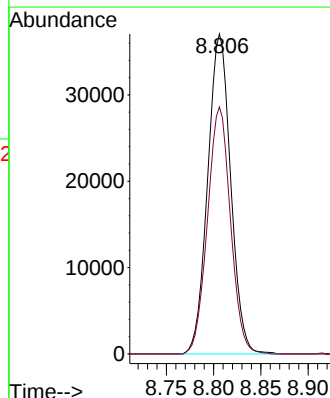
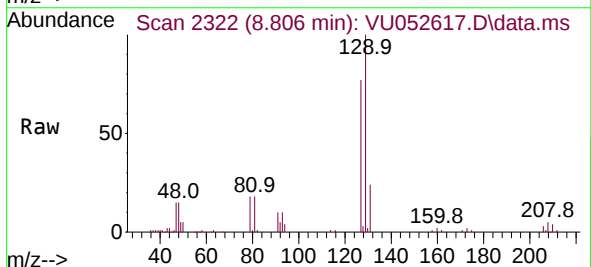
Ion	Ratio	Lower	Upper
43	100		
58	55.5	44.1	66.1
57	18.4	14.6	21.8
100	10.4	8.5	12.7

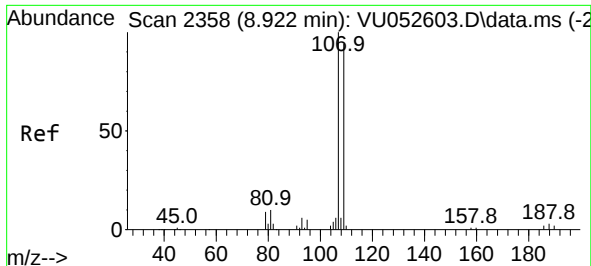


#49
Dibromochloromethane
Concen: 4.992 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

Tgt Ion: 129 Resp: 62663

Ion	Ratio	Lower	Upper
129	100		
127	77.2	54.2	100.6





#50

1,2-Dibromoethane

Concen: 4.887 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU052617.D

Acq: 29 Dec 2022 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005123

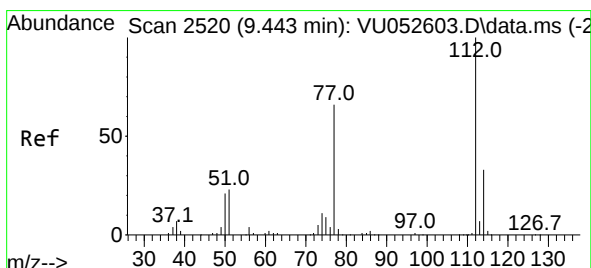
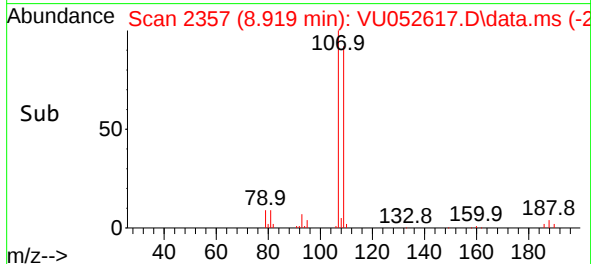
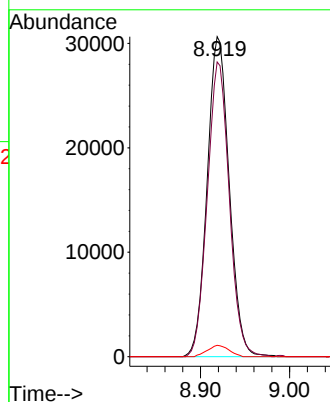
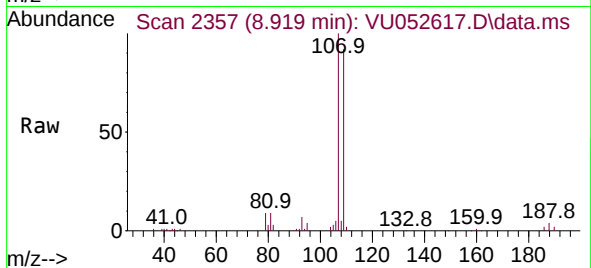
Tgt Ion:107 Resp: 52666

Ion Ratio Lower Upper

107 100

109 92.1 65.8 122.2

188 3.5 2.3 3.5#



#51

Chlorobenzene

Concen: 4.965 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU052617.D

Acq: 29 Dec 2022 20:13

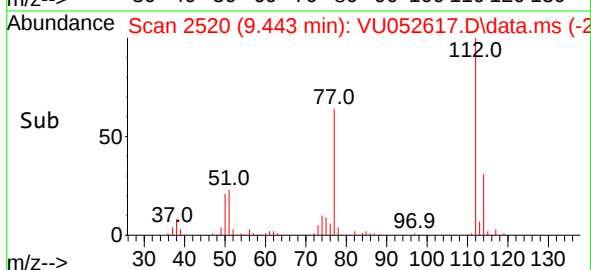
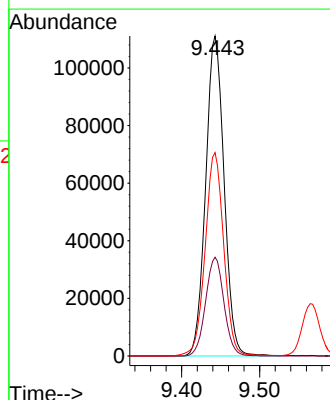
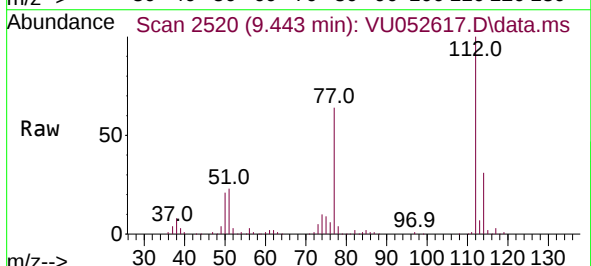
Tgt Ion:112 Resp: 182355

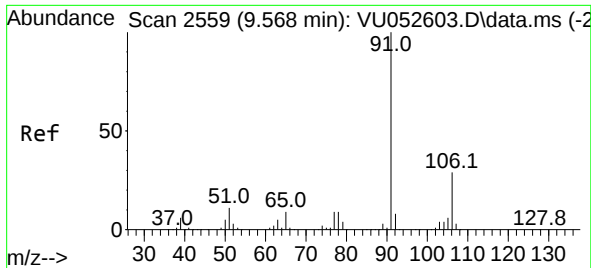
Ion Ratio Lower Upper

112 100

114 30.8 21.3 39.5

77 63.6 51.0 76.6

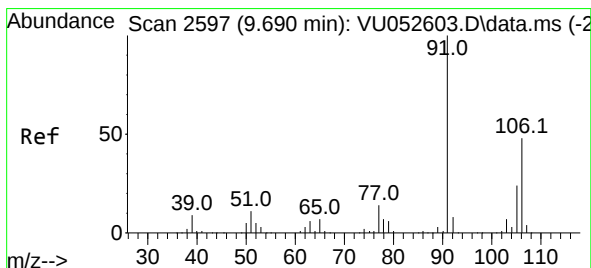
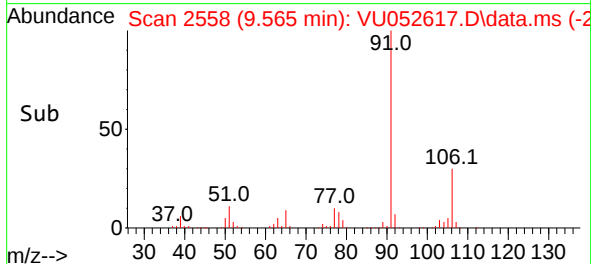
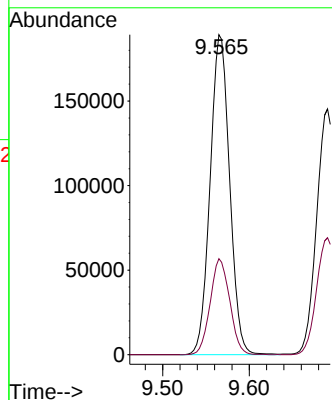
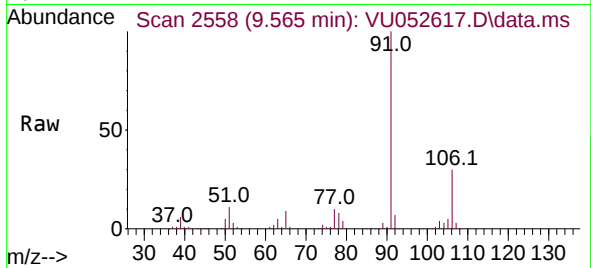




#52
Ethylbenzene
Concen: 4.966 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.003 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

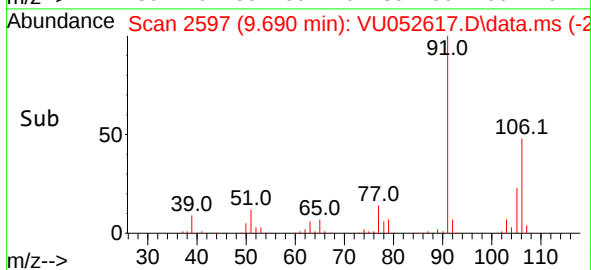
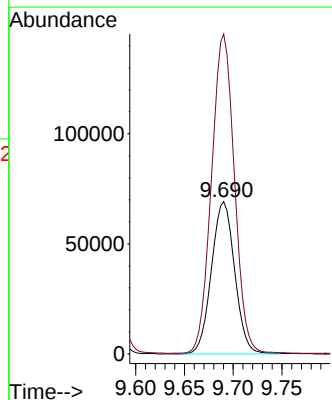
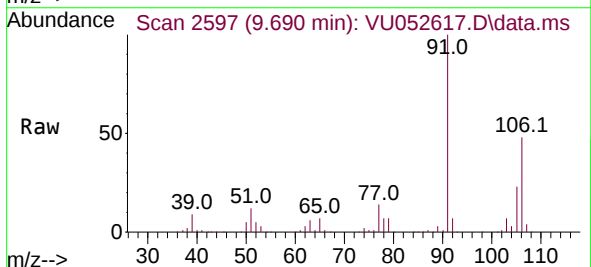
Instrument :
MSVOA_U
ClientSampleId :
VSTD0005123

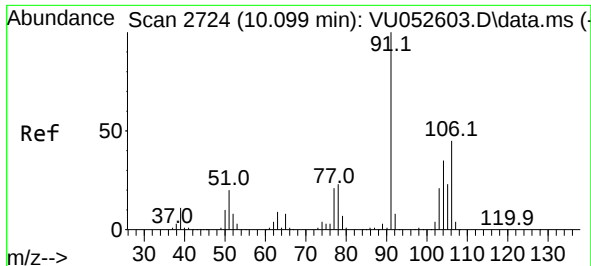
Tgt Ion: 91 Resp: 295568
Ion Ratio Lower Upper
91 100
106 30.0 20.9 38.7



#53
m,p-Xylene
Concen: 5.232 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

Tgt Ion:106 Resp: 114818
Ion Ratio Lower Upper
106 100
91 210.1 148.2 275.2

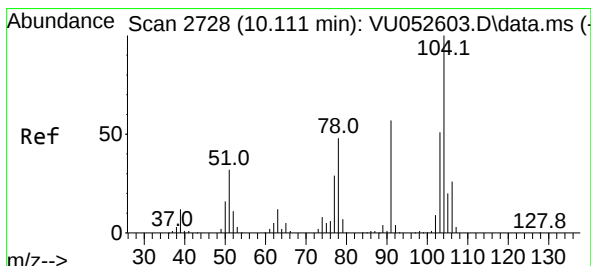
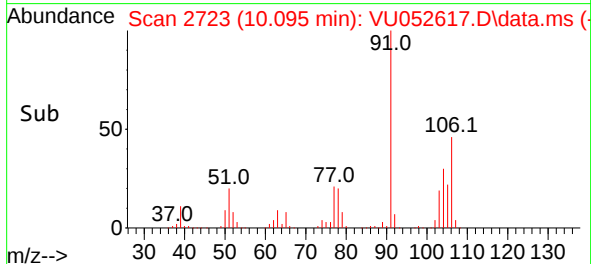
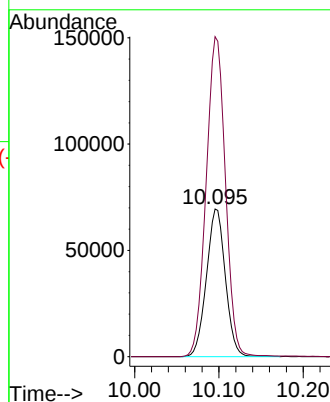
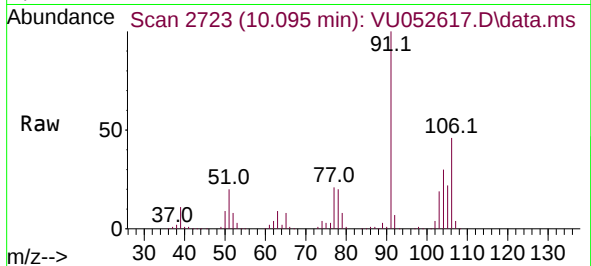




#54
o-Xylene
Concen: 5.165 ug/L
RT: 10.095 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

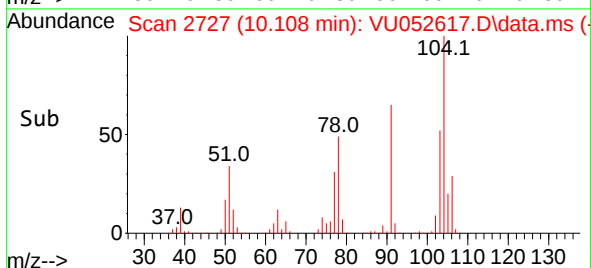
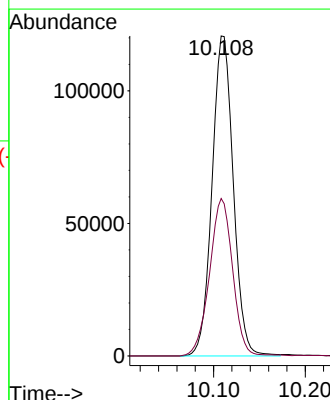
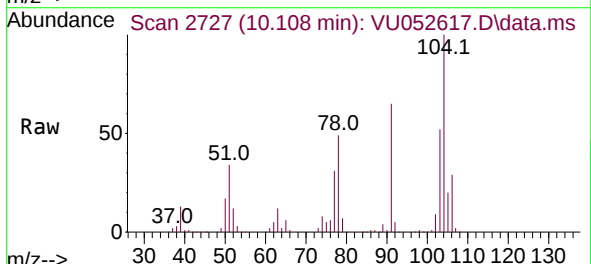
Instrument :
MSVOA_U
ClientSampleId :
VSTD005123

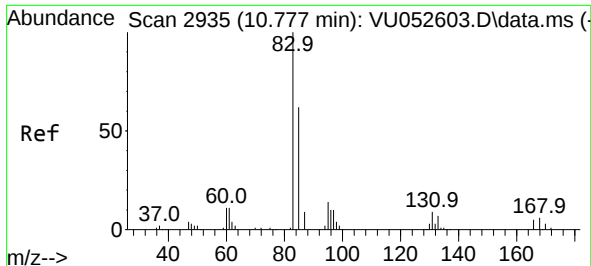
Tgt Ion:106 Resp: 108673
Ion Ratio Lower Upper
106 100
91 216.8 153.2 284.4



#55
Styrene
Concen: 5.310 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

Tgt Ion:104 Resp: 194338
Ion Ratio Lower Upper
104 100
78 49.2 33.4 62.0

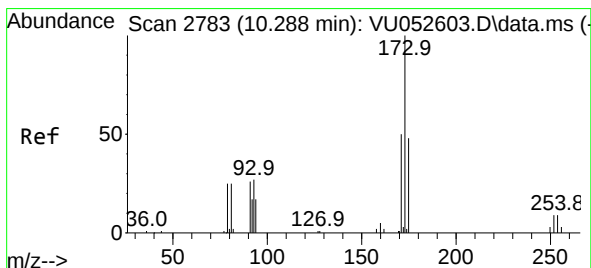
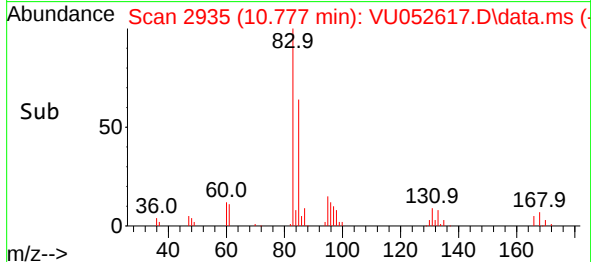
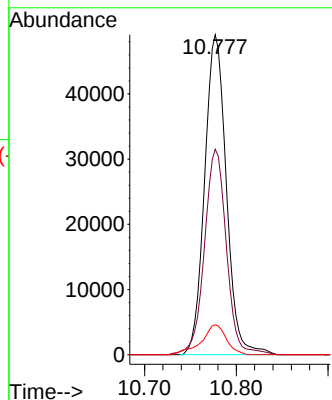
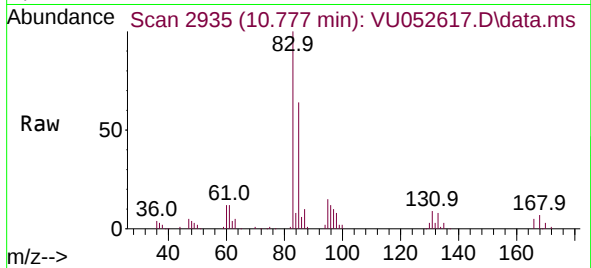




#57
1,1,2,2-Tetrachloroethane
Concen: 4.927 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

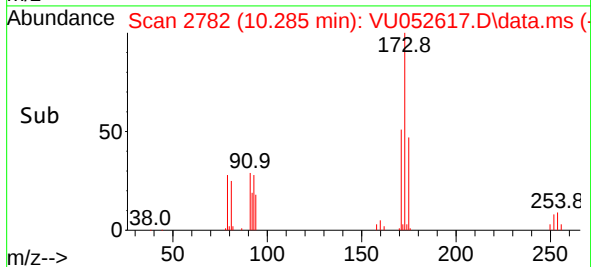
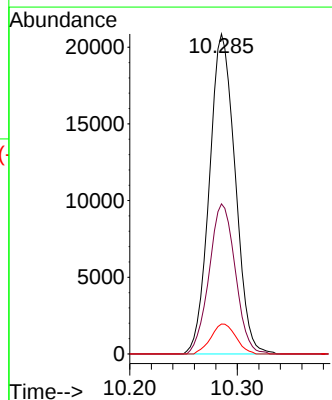
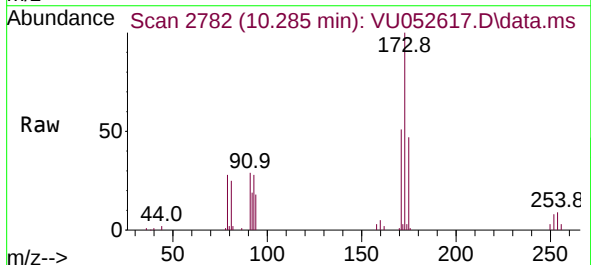
Instrument :
MSVOA_U
ClientSampleId :
VSTD005123

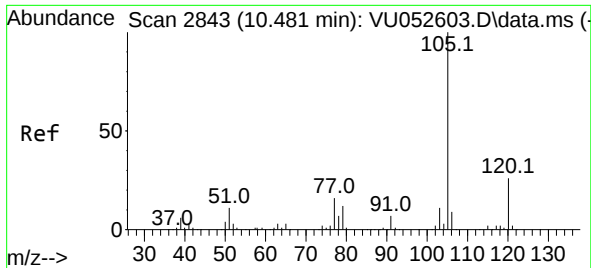
Tgt Ion: 83 Resp: 80747
Ion Ratio Lower Upper
83 100
85 64.2 44.7 83.1
131 9.4 6.0 9.0#



#59
Bromoform
Concen: 4.302 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.003 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

Tgt Ion:173 Resp: 34670
Ion Ratio Lower Upper
173 100
175 47.6 38.9 58.3
254 9.1 7.0 10.6

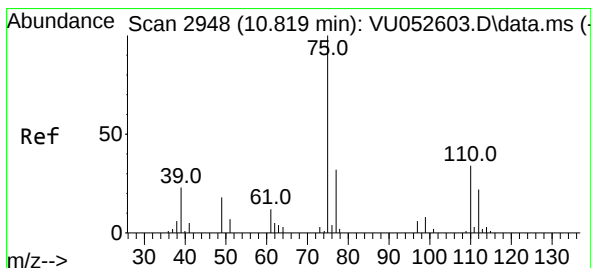
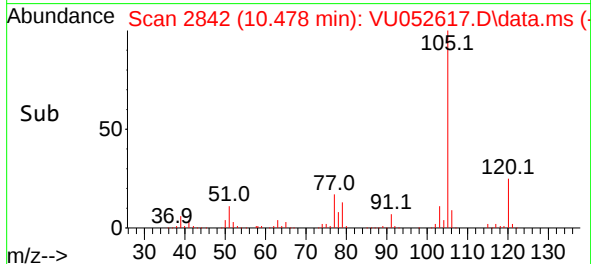
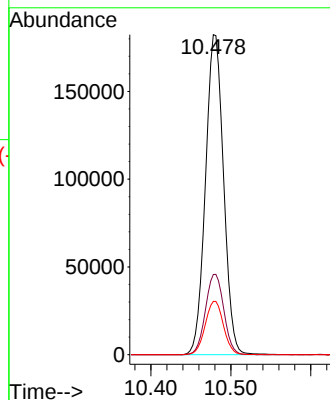
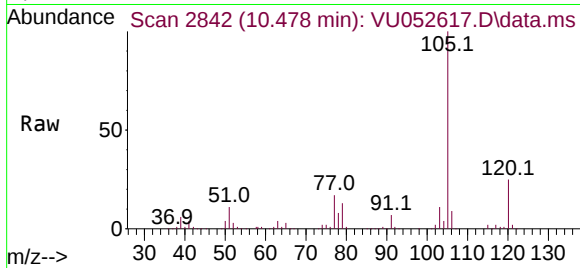




#60
Isopropylbenzene
Concen: 4.832 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.003 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

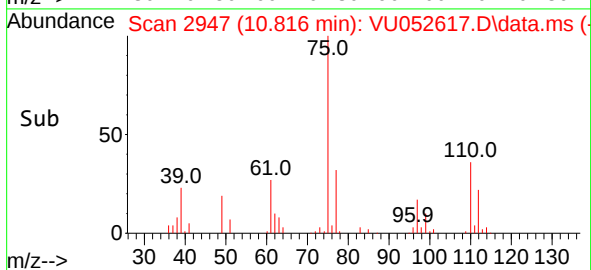
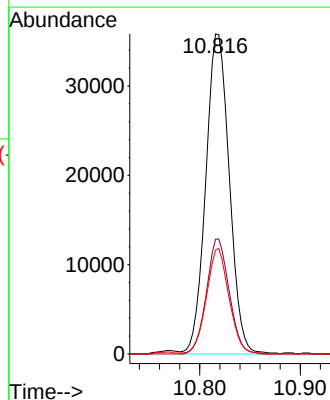
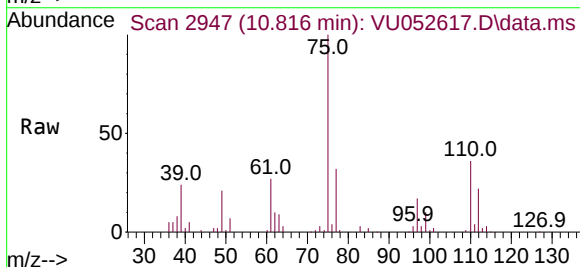
Instrument :
MSVOA_U
ClientSampleId :
VSTD005123

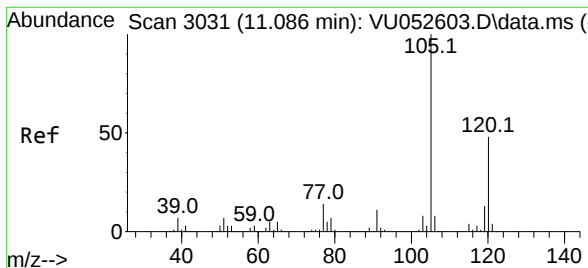
Tgt Ion:105 Resp: 287267
Ion Ratio Lower Upper
105 100
120 25.5 20.6 31.0
77 16.9 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 4.437 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. -0.003 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

Tgt Ion: 75 Resp: 58375
Ion Ratio Lower Upper
75 100
110 34.5 27.9 41.9
77 31.7 25.9 38.9





#62

1,3,5-Trimethylbenzene

Concen: 4.588 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU052617.D

Acq: 29 Dec 2022 20:13

Instrument :

MSVOA_U

ClientSampleId :

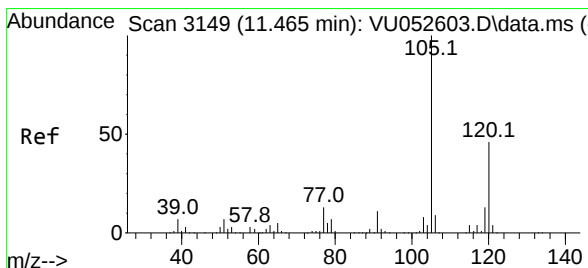
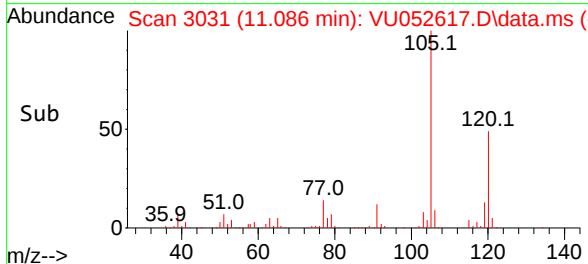
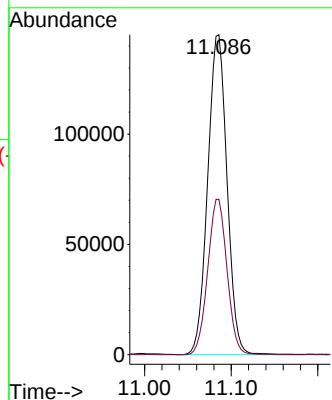
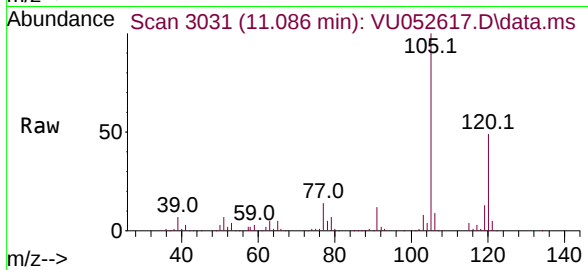
VSTD005123

Tgt Ion:105 Resp: 224955

Ion Ratio Lower Upper

105 100

120 48.4 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 4.691 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU052617.D

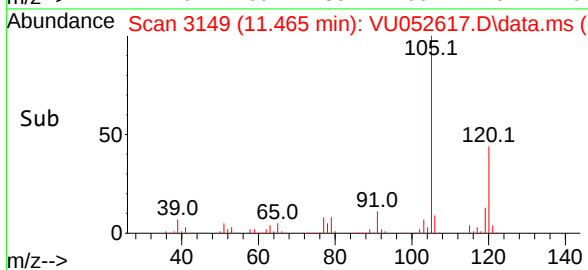
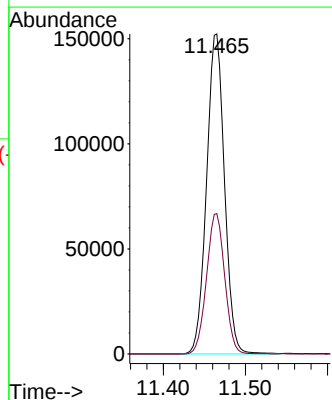
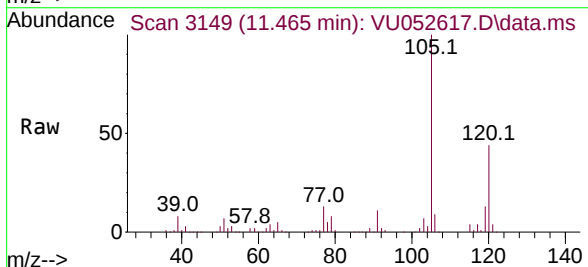
Acq: 29 Dec 2022 20:13

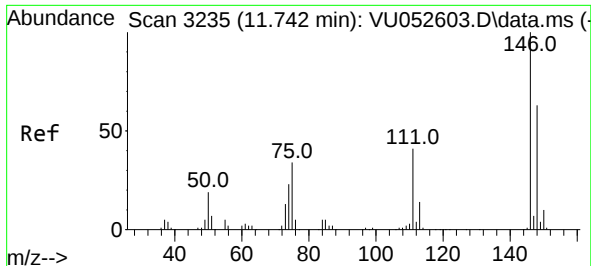
Tgt Ion:105 Resp: 231576

Ion Ratio Lower Upper

105 100

120 44.4 35.6 53.4

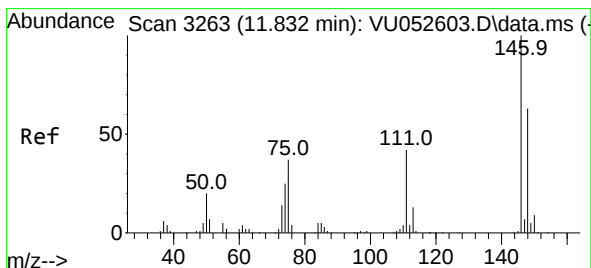
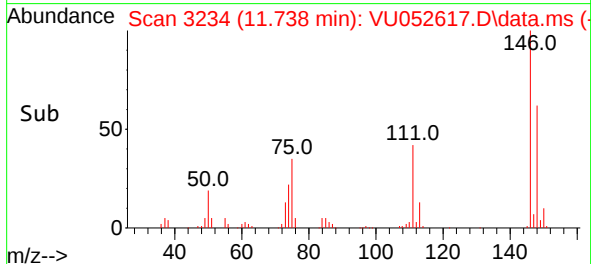
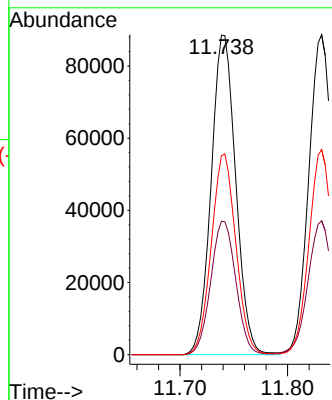
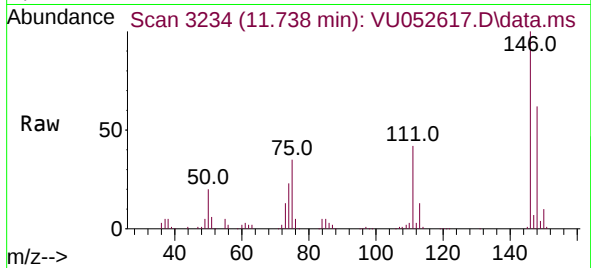




#64
1,3-Dichlorobenzene
Concen: 4.771 ug/L
RT: 11.738 min Scan# 311
Delta R.T. -0.003 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

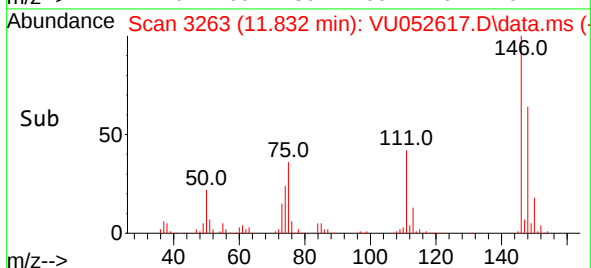
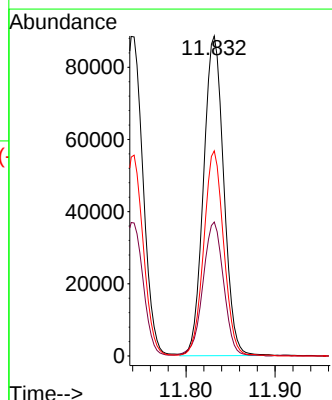
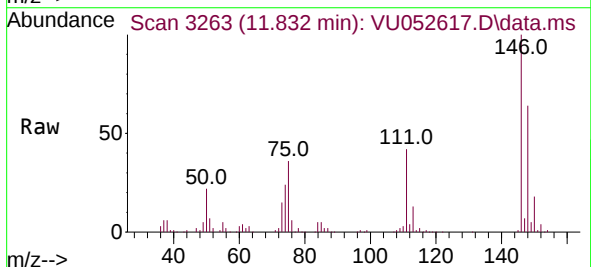
Instrument :
MSVOA_U
ClientSampleId :
VSTD005123

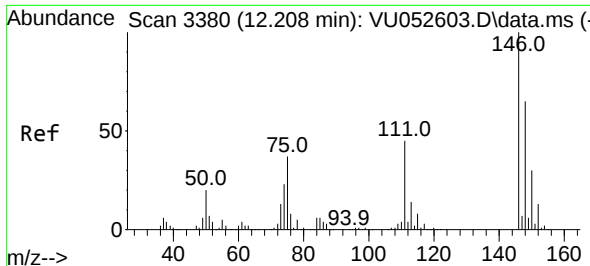
Tgt Ion:146 Resp: 140747
Ion Ratio Lower Upper
146 100
111 41.8 29.9 55.5
148 62.2 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.573 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052617.D
Acq: 29 Dec 2022 20:13

Tgt Ion:146 Resp: 139493
Ion Ratio Lower Upper
146 100
111 41.9 27.5 51.1
148 64.1 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 4.612 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU052617.D

Acq: 29 Dec 2022 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005123

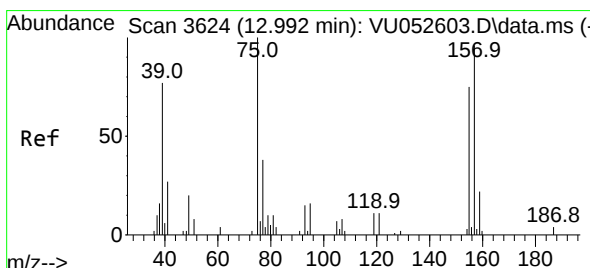
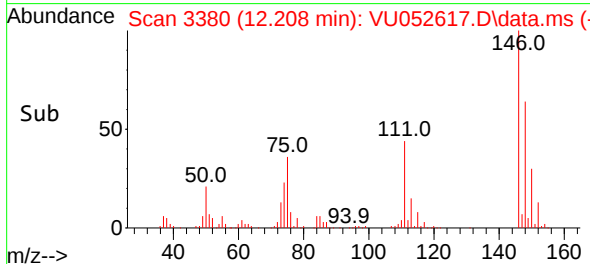
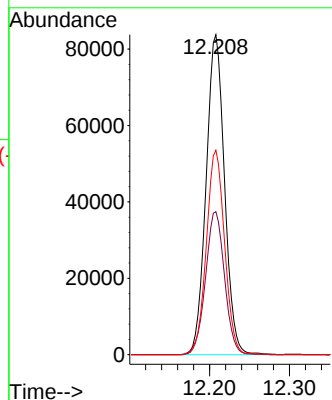
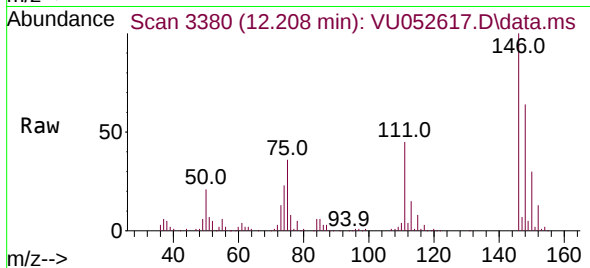
Tgt Ion:146 Resp: 134430

Ion Ratio Lower Upper

146 100

111 44.7 36.6 55.0

148 63.9 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.482 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU052617.D

Acq: 29 Dec 2022 20:13

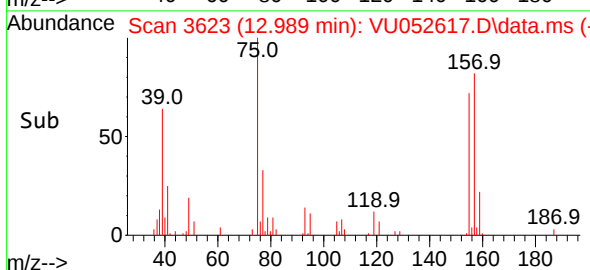
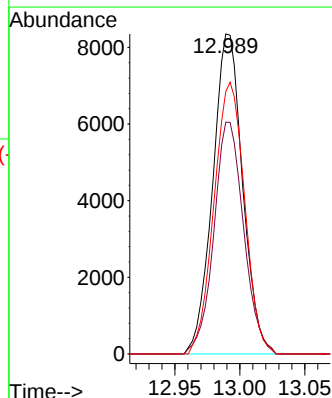
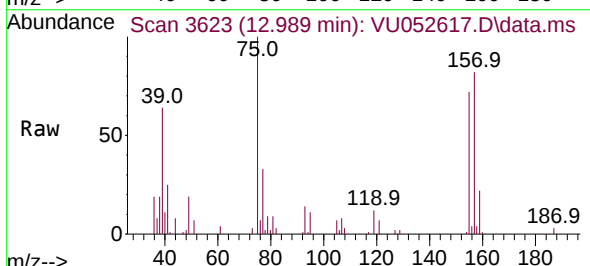
Tgt Ion: 75 Resp: 13346

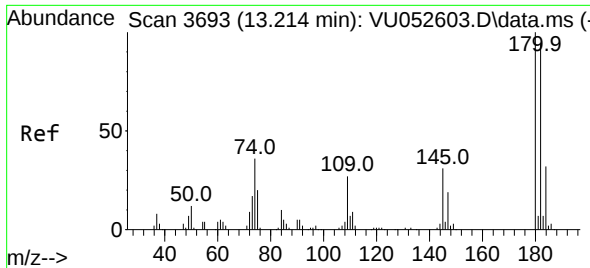
Ion Ratio Lower Upper

75 100

155 72.4 62.2 93.2

157 82.0 73.0 109.4

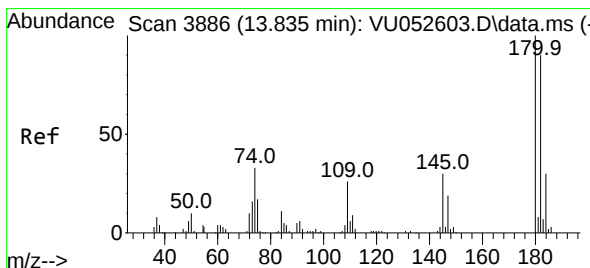
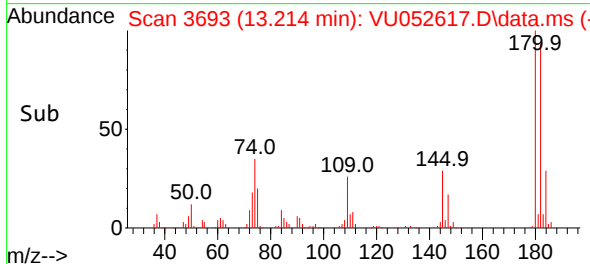
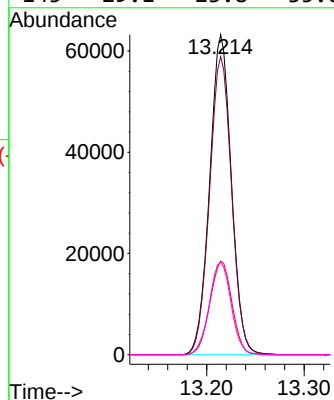
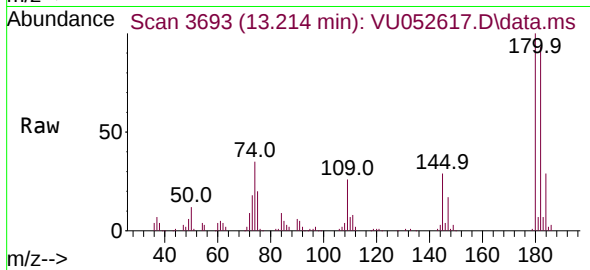




#69
 1,3,5-Trichlorobenzene
 Concen: 4.505 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU052617.D
 Acq: 29 Dec 2022 20:13

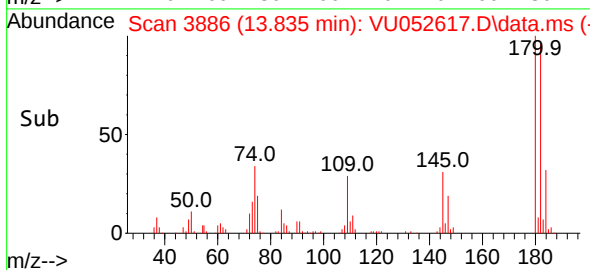
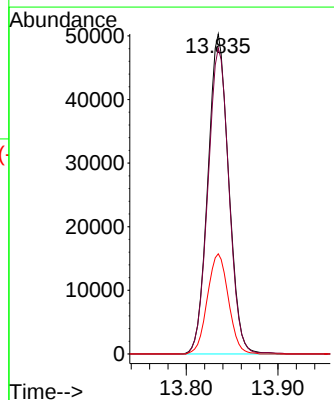
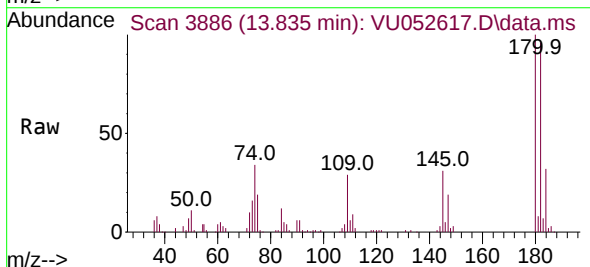
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005123

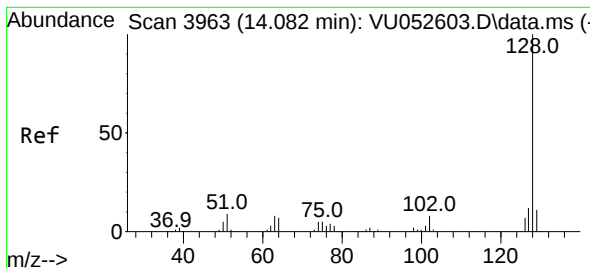
Tgt Ion:180	Resp:	97849
Ion Ratio	Lower	Upper
180	100	
182	94.6	75.8 113.8
184	29.6	23.4 35.0
145	29.1	23.8 35.6



#70
 1,2,4-trichlorobenzene
 Concen: 4.341 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU052617.D
 Acq: 29 Dec 2022 20:13

Tgt Ion:180	Resp:	79335
Ion Ratio	Lower	Upper
180	100	
182	96.5	77.7 116.5
145	31.6	24.0 36.0





#71

Naphthalene

Concen: 4.164 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU052617.D

Acq: 29 Dec 2022 20:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD005123

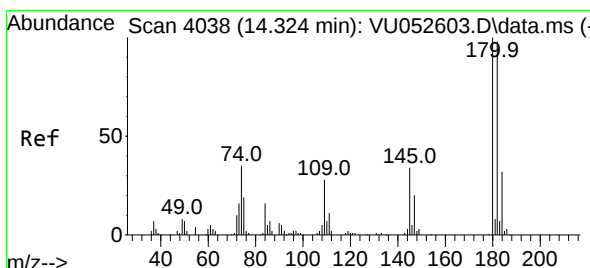
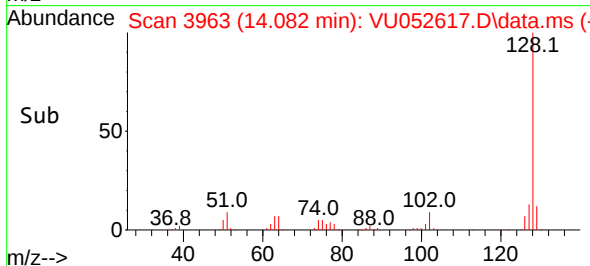
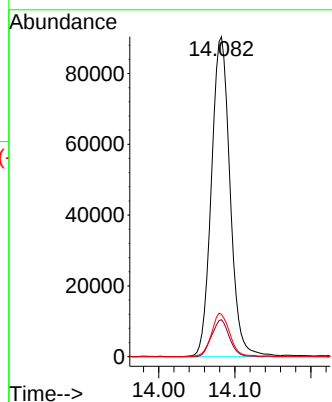
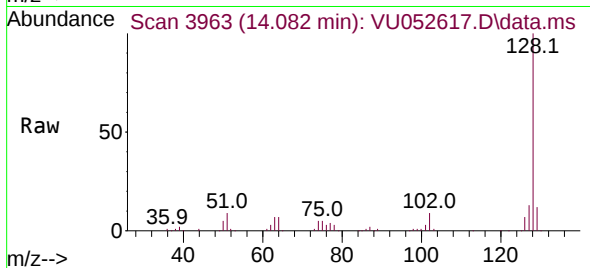
Tgt Ion:128 Resp: 153994

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 13.6 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 4.298 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU052617.D

Acq: 29 Dec 2022 20:13

Tgt Ion:180 Resp: 78741

Ion Ratio Lower Upper

180 100

182 93.8 76.3 114.5

145 32.4 25.8 38.8

