

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100722\
 Data File : VU051268.D
 Acq On : 08 Oct 2022 12:54
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005167

Quant Time: Oct 08 23:49:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 08 05:40:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	213730	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	230225	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	113884	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	69858	4.052	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.000%
7) Chloroethane-d5	1.912	69	61473	4.150	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.000%
11) 1,1-Dichloroethene-d2	2.565	65	27810	4.081	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.600%
20) 2-Butanone-d5	4.639	46	156946	41.348	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.700%
24) Chloroform-d	5.063	84	139797	4.349	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
26) 1,2-Dichloroethane-d4	5.700	65	70167	4.233	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.600%
32) Benzene-d6	5.726	84	261665	4.132	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.600%
36) 1,2-Dichloropropane-d6	6.690	67	87562	4.071	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.400%
41) Toluene-d8	7.896	98	242686	4.283	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.600%
43) trans-1,3-Dichloroprop...	8.182	79	27148	3.842	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.800%
46) 2-Hexanone-d5	8.636	63	89715	37.669	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.340%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	67728	3.942	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	78496	3.966	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.400%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	84880	4.868	ug/L	100
3) Chloromethane	1.517	50	108325	4.425	ug/L	98
5) Vinyl chloride	1.601	62	109667	4.567	ug/L	98
6) Bromomethane	1.855	94	54755	4.188	ug/L	97
8) Chloroethane	1.932	64	70351	4.594	ug/L	99
9) Trichlorofluoromethane	2.138	101	133299	4.816	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	76486	4.604	ug/L	98
12) 1,1-Dichloroethene	2.578	96	68558	4.399	ug/L	90
13) Acetone	2.655	43	124286	43.656	ug/L	98
14) Carbon disulfide	2.790	76	206915	4.334	ug/L	99
15) Methyl Acetate	2.957	43	29124	4.208	ug/L	99
16) Methylene chloride	3.044	84	114586	4.979	ug/L	96
17) Methyl tert-butyl Ether	3.363	73	152600	4.274	ug/L	98
18) trans-1,2-Dichloroethene	3.353	96	72794	4.439	ug/L	97
19) 1,1-Dichloroethane	3.867	63	155362	4.591	ug/L	98
21) 2-Butanone	4.719	43	194872	43.433	ug/L	100
22) cis-1,2-Dichloroethene	4.665	96	80365	4.425	ug/L	97
23) Bromochloromethane	4.973	128	38093	4.396	ug/L	96
25) Chloroform	5.086	83	159960	4.526	ug/L	99

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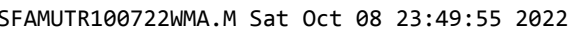
Instrument :
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 ClientSampleId :
 VSTD005167

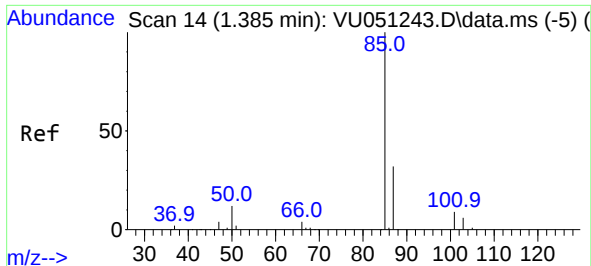
Quant Time: Oct 08 23:49:53 2022
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	97034	4.583	ug/L	97
29) 1,1,1-Trichloroethane	5.314	97	122467	4.440	ug/L	98
30) Cyclohexane	5.388	56	95613	4.087	ug/L	98
31) Carbon tetrachloride	5.523	117	103479	4.433	ug/L	97
33) Benzene	5.774	78	335754	4.368	ug/L	100
34) Trichloroethene	6.542	95	83339	4.347	ug/L	99
35) Methylcyclohexane	6.764	83	97601	4.035	ug/L	98
37) 1,2-Dichloropropane	6.790	63	93088	4.419	ug/L	100
38) Bromodichloromethane	7.105	83	114092	4.540	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	99000	3.910	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	466455	42.204	ug/L	99
42) Toluene	7.970	91	360149	4.415	ug/L	97
44) trans-1,3-Dichloropropene	8.211	75	90473	4.132	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	63770	4.311	ug/L	96
47) Tetrachloroethene	8.552	164	58082	4.120	ug/L	98
48) 2-Hexanone	8.687	43	372253	45.235	ug/L	96
49) Dibromochloromethane	8.809	129	71561	4.309	ug/L	94
50) 1,2-Dibromoethane	8.922	107	57785	4.389	ug/L	95
51) Chlorobenzene	9.446	112	216558	4.443	ug/L	100
52) Ethylbenzene	9.568	91	312210	4.259	ug/L	98
53) m,p-Xylene	9.693	106	123946	4.359	ug/L	97
54) o-Xylene	10.099	106	118699	4.412	ug/L	99
55) Styrene	10.115	104	211367	4.564	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	76847	4.197	ug/L	98
59) Bromoform	10.288	173	37910	4.001	ug/L	98
60) Isopropylbenzene	10.484	105	301339	4.178	ug/L	99
61) 1,2,3-Trichloropropane	10.822	75	56647	3.939	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	71746	3.749	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	207756	3.839	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	156230	4.379	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	154499	4.393	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	150321	4.334	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.996	75	11761	4.276	ug/L	91
69) 1,3,5-Trichlorobenzene	13.217	180	103038	4.190	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	75961	4.346	ug/L	97
71) Naphthalene	14.086	128	119307	3.672	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	75147	4.156	ug/L	99

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

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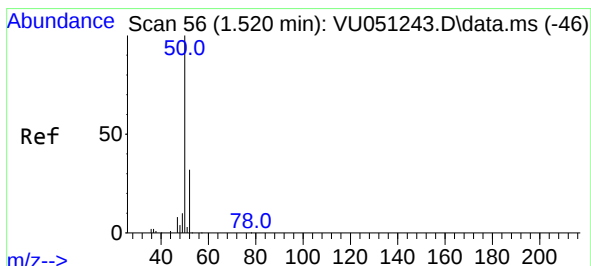
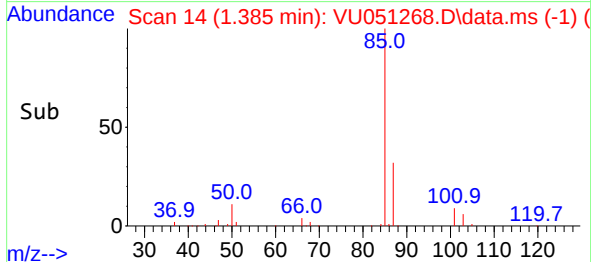
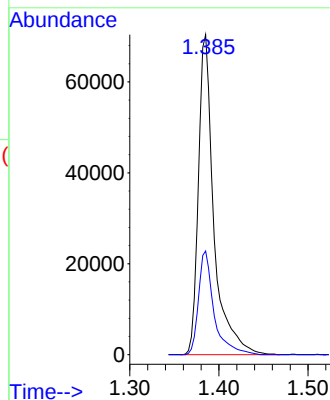
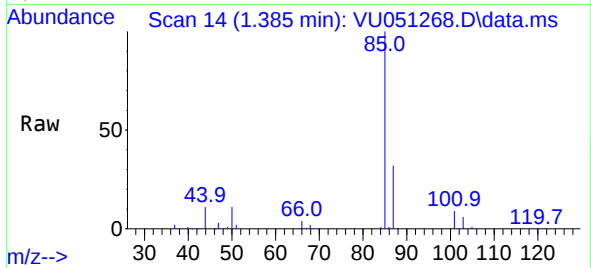




#2
Dichlorodifluoromethane
Concen: 4.868 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

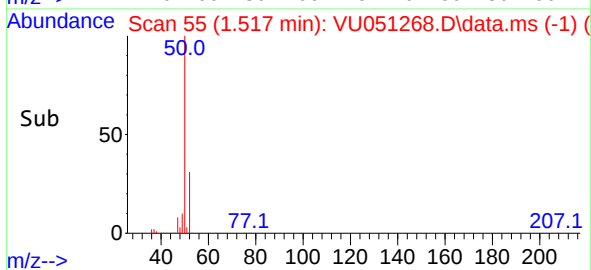
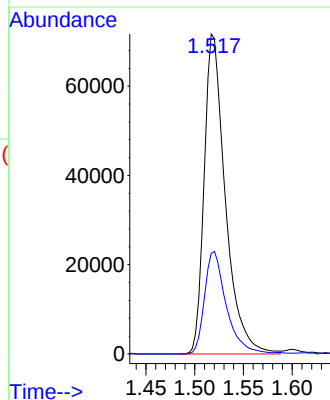
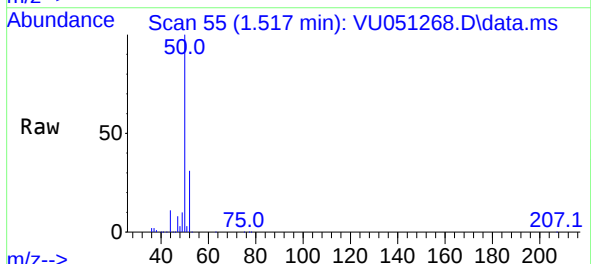
Instrument :
MSVOA_U
ClientSampleId :
VSTD005167

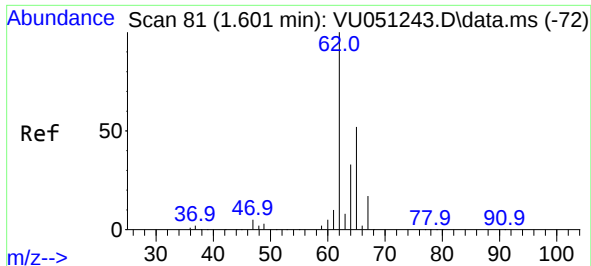
Tgt Ion: 85 Resp: 84880
Ion Ratio Lower Upper
85 100
87 32.6 26.2 39.4



#3
Chloromethane
Concen: 4.425 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Tgt Ion: 50 Resp: 108325
Ion Ratio Lower Upper
50 100
52 31.5 22.9 42.5

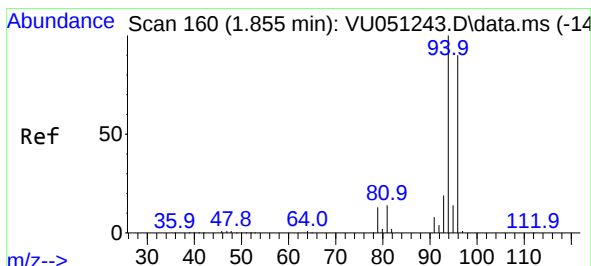
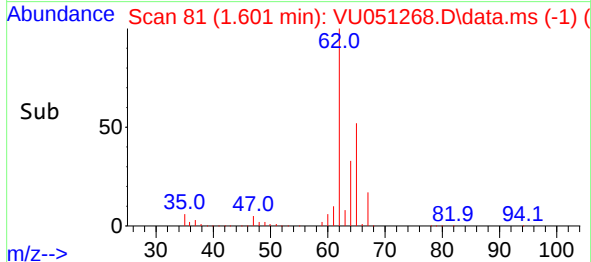
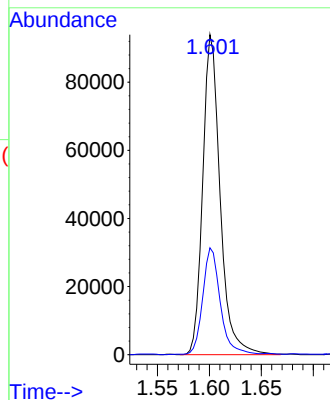
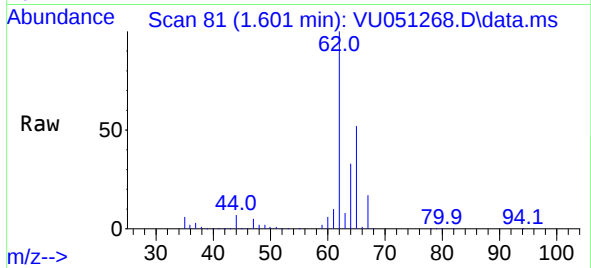




#5
 Vinyl chloride
 Concen: 4.567 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051268.D
 Acq: 08 Oct 2022 12:54

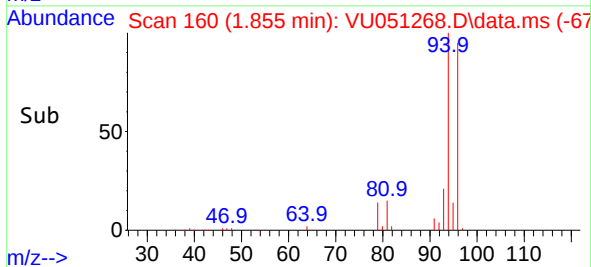
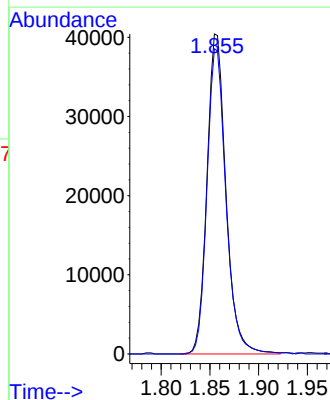
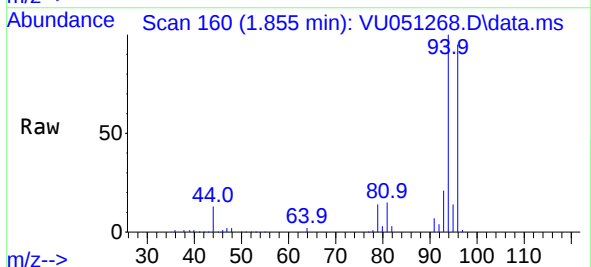
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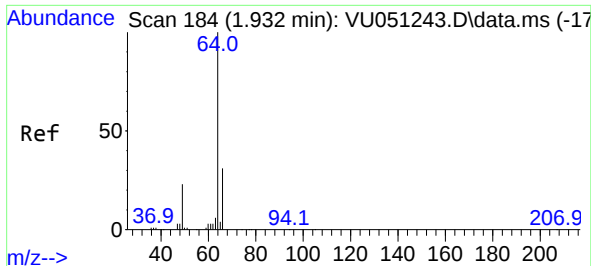
Tgt Ion: 62 Resp: 109667
 Ion Ratio Lower Upper
 62 100
 64 33.4 24.0 44.6



#6
 Bromomethane
 Concen: 4.188 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. -0.000 min
 Lab File: VU051268.D
 Acq: 08 Oct 2022 12:54

Tgt Ion: 94 Resp: 54755
 Ion Ratio Lower Upper
 94 100
 96 95.3 64.9 120.5

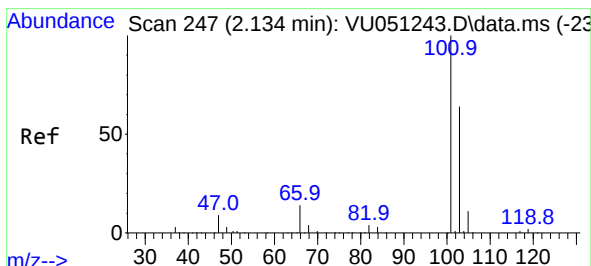
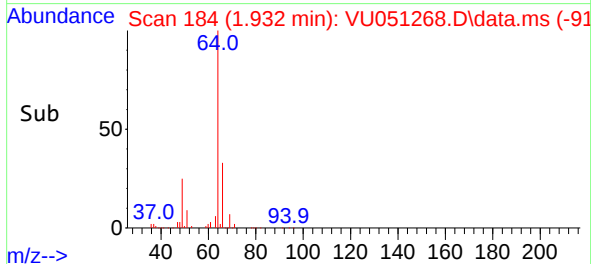
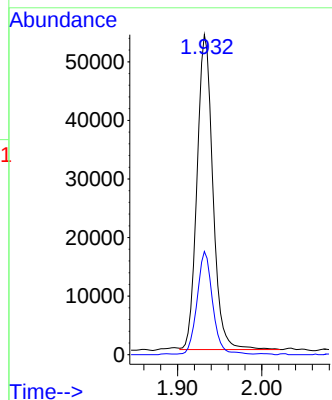
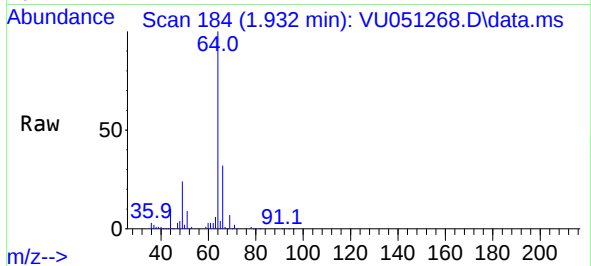




#8
Chloroethane
Concen: 4.594 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

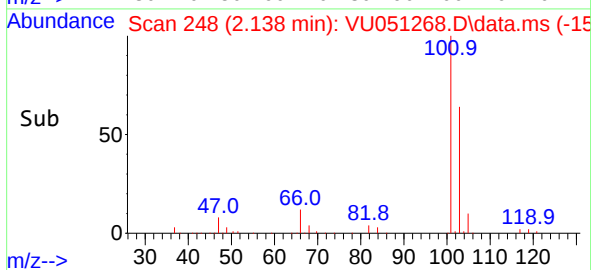
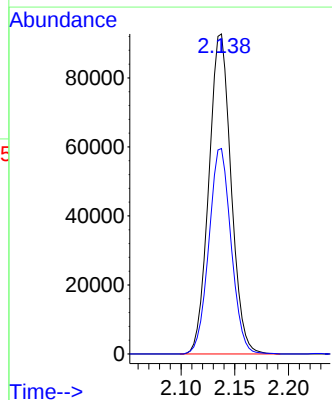
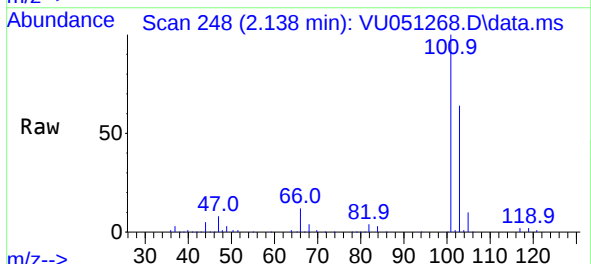
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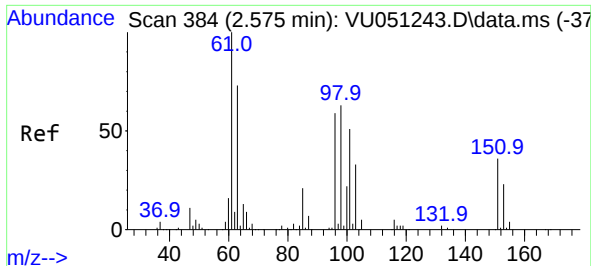
Tgt Ion: 64 Resp: 70351
Ion Ratio Lower Upper
64 100
66 32.2 22.3 41.3



#9
Trichlorofluoromethane
Concen: 4.816 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Tgt Ion:101 Resp: 133299
Ion Ratio Lower Upper
101 100
103 64.2 52.2 78.2

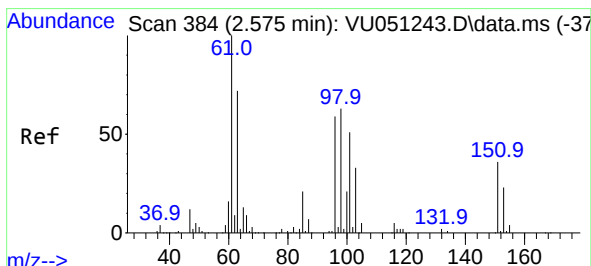
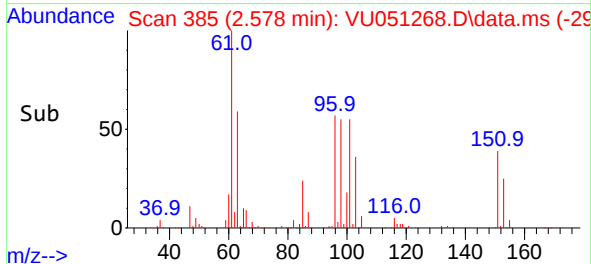
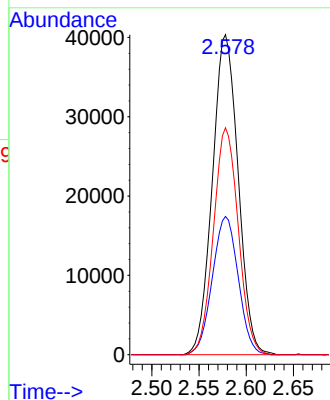
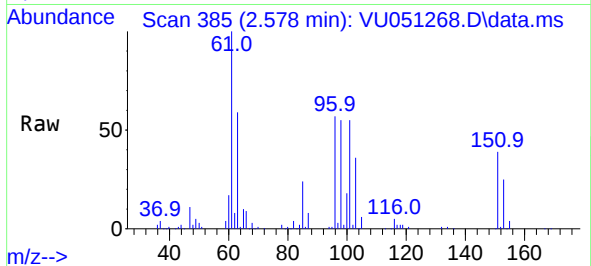




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.604 ug/L
RT: 2.578 min Scan# 384
Delta R.T. 0.003 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

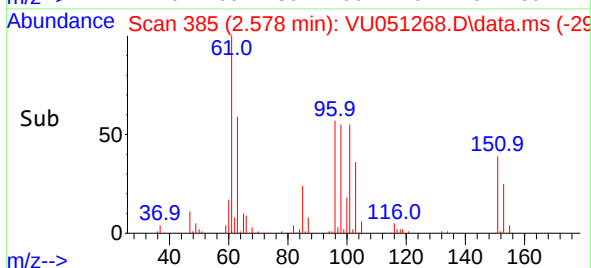
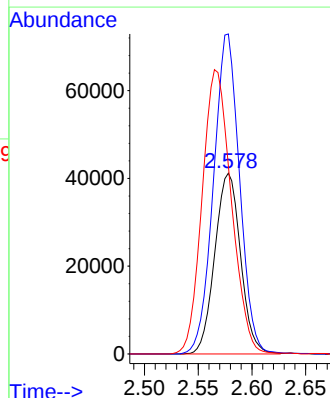
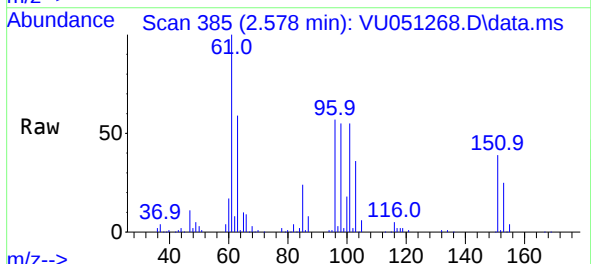
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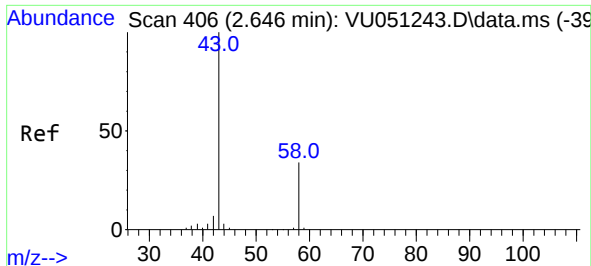
Tgt Ion:101 Resp: 76486
Ion Ratio Lower Upper
101 100
85 43.4 34.6 51.8
151 68.4 56.5 84.7



#12
1,1-Dichloroethene
Concen: 4.399 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Tgt Ion: 96 Resp: 68558
Ion Ratio Lower Upper
96 100
61 176.9 117.6 218.4
63 104.1 85.2 158.2





#13

Acetone

Concen: 43.656 ug/L

RT: 2.655 min Scan# 409

Delta R.T. 0.010 min

Lab File: VU051268.D

Acq: 08 Oct 2022 12:54

Instrument :

MSVOA_U

ClientSampleId :

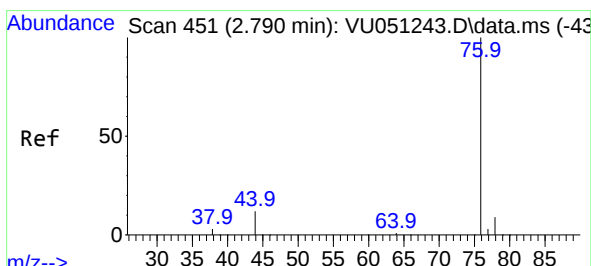
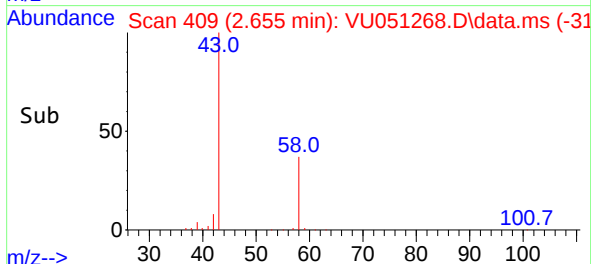
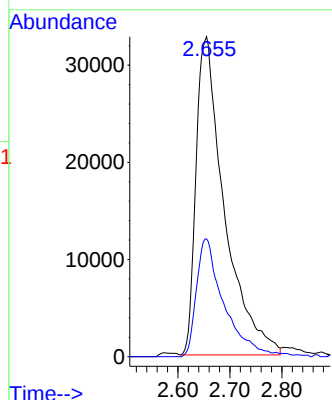
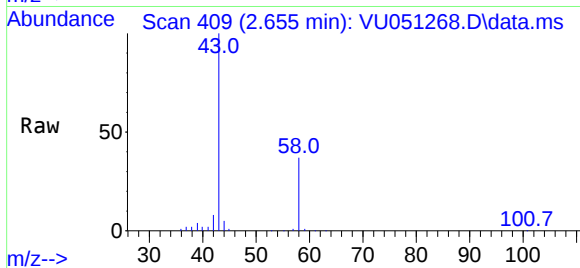
VSTD005167

Tgt Ion: 43 Resp: 124286

Ion Ratio Lower Upper

43 100

58 35.4 0.0 68.8



#14

Carbon disulfide

Concen: 4.334 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU051268.D

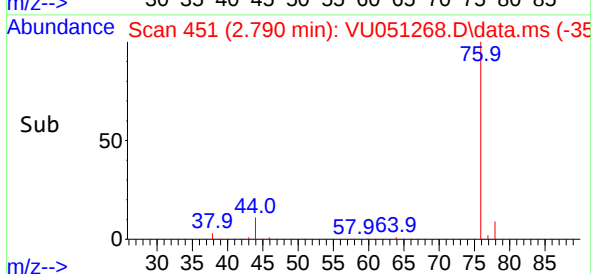
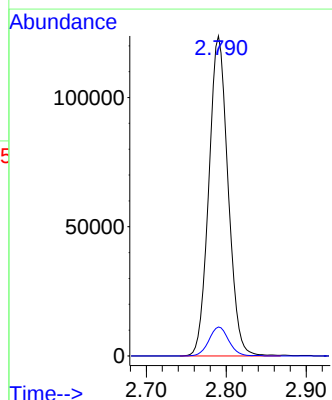
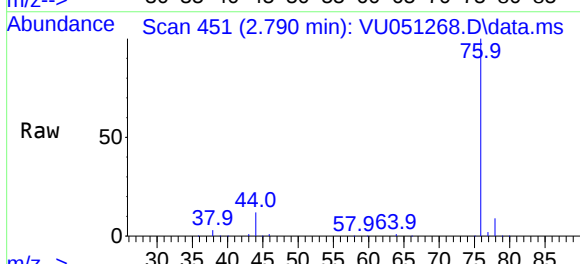
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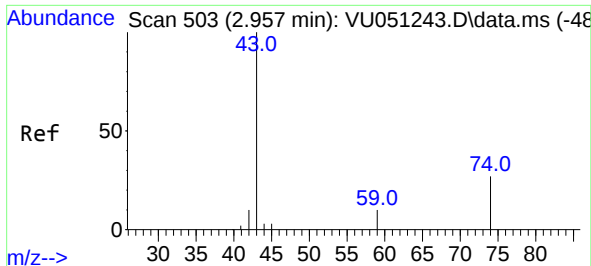
Tgt Ion: 76 Resp: 206915

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

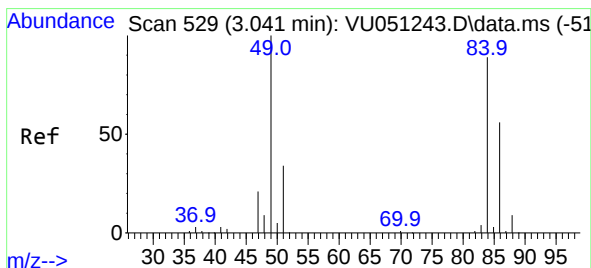
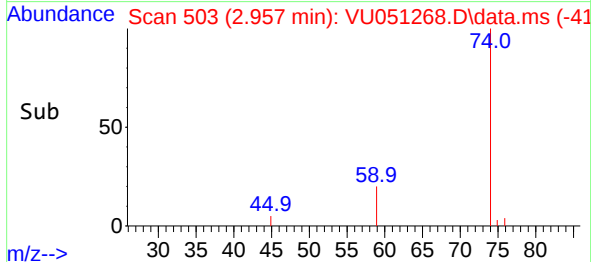
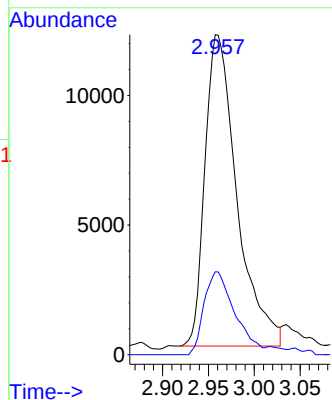
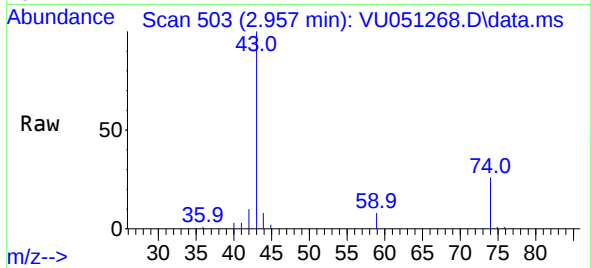




#15
Methyl Acetate
Concen: 4.208 ug/L
RT: 2.957 min Scan# 503
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

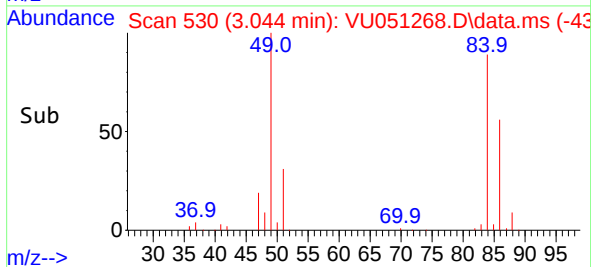
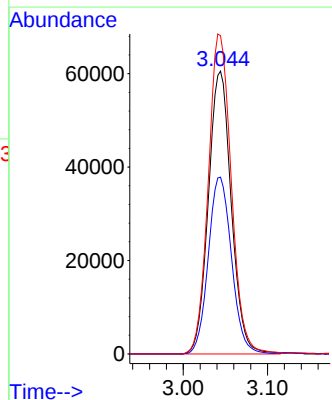
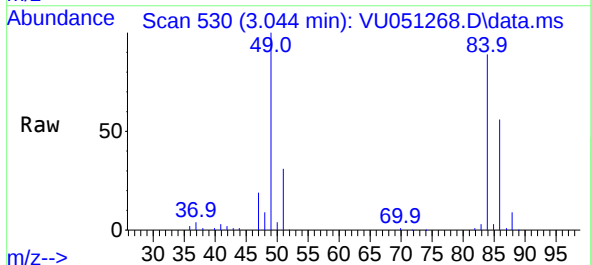
Instrument :
MSVOA_U
ClientSampleId :
VSTD005167

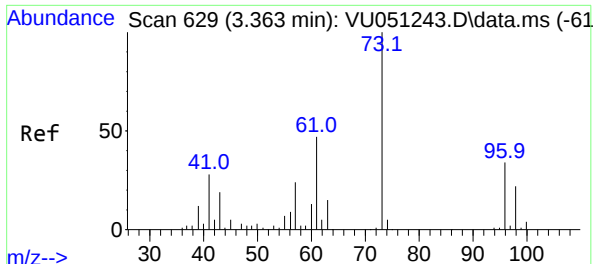
Tgt Ion: 43 Resp: 29124
Ion Ratio Lower Upper
43 100
74 25.7 20.0 30.0



#16
Methylene chloride
Concen: 4.979 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Tgt Ion: 84 Resp: 114586
Ion Ratio Lower Upper
84 100
86 62.5 46.5 86.3
49 112.5 81.3 151.1

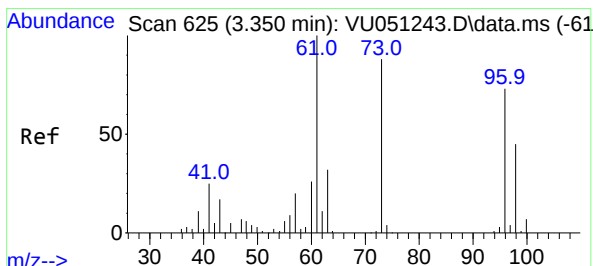
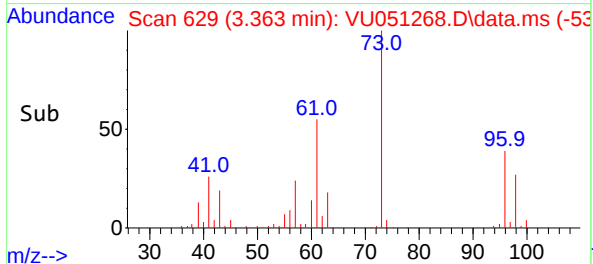
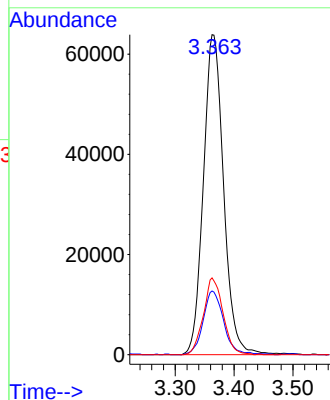
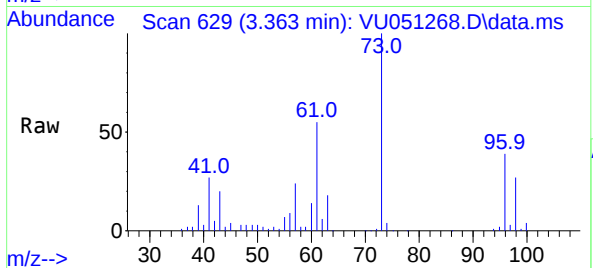




#17
Methyl tert-butyl Ether
Concen: 4.274 ug/L
RT: 3.363 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

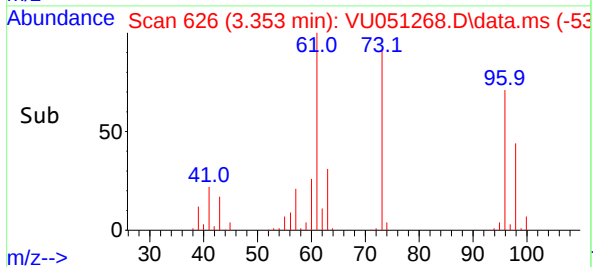
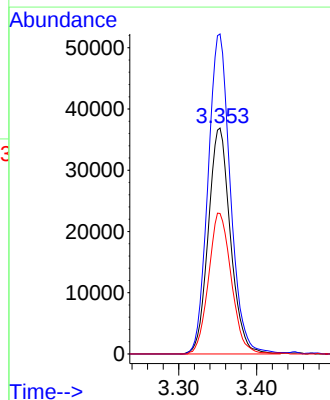
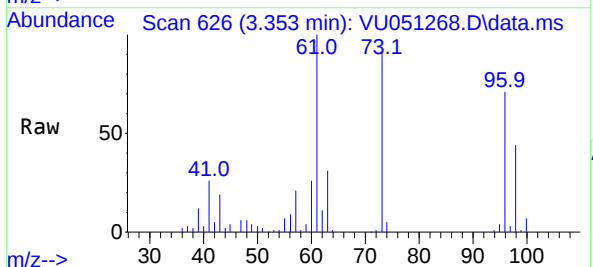
Instrument :
MSVOA_U
ClientSampleId :
VSTD005167

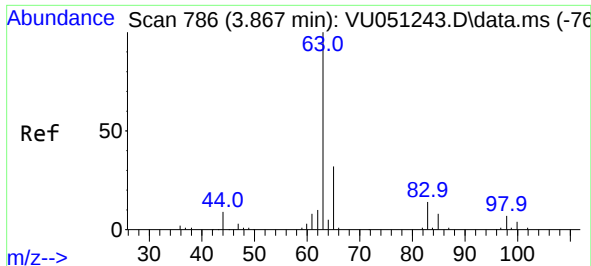
Tgt Ion: 73 Resp: 152600
Ion Ratio Lower Upper
73 100
43 20.3 15.4 23.0
57 23.2 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 4.439 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.003 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Tgt Ion: 96 Resp: 72794
Ion Ratio Lower Upper
96 100
61 141.7 101.4 188.2
98 62.2 44.9 83.5

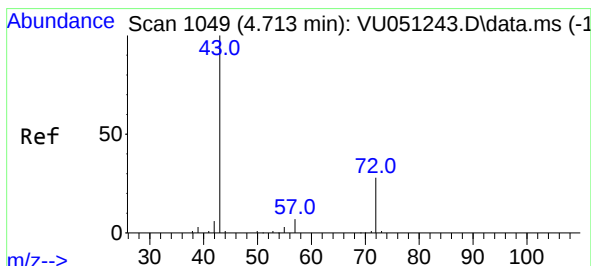
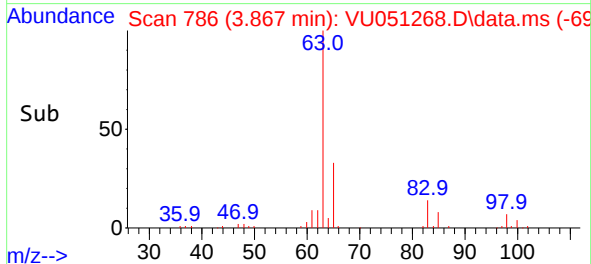
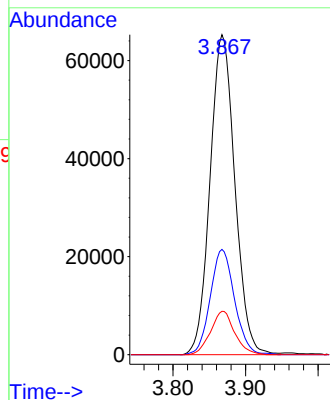
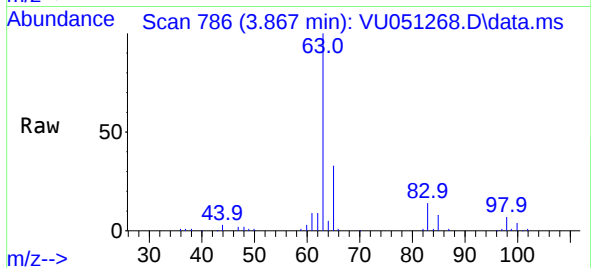




#19
1,1-Dichloroethane
Concen: 4.591 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

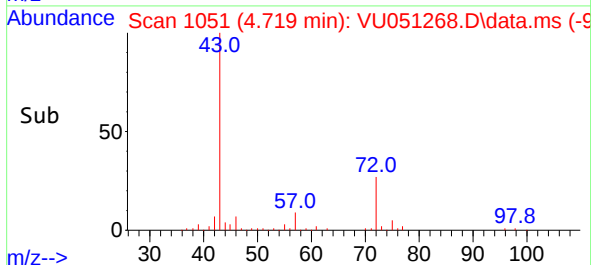
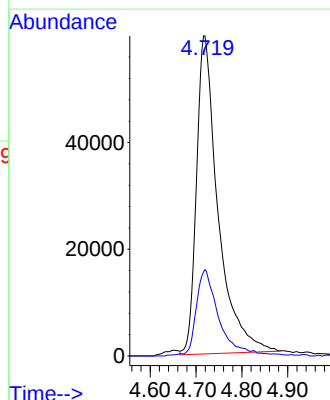
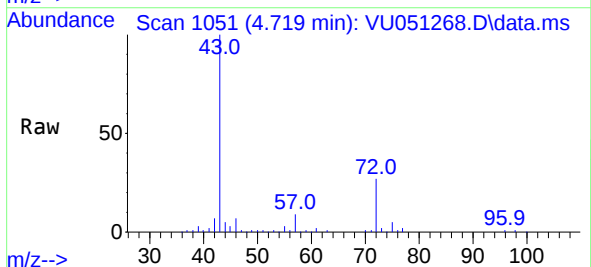
Instrument :
MSVOA_U
ClientSampleId :
VSTD005167

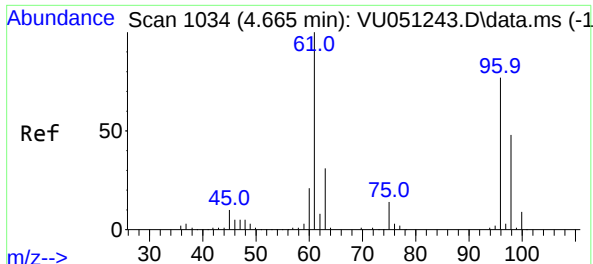
Tgt Ion: 63 Resp: 155362
Ion Ratio Lower Upper
63 100
65 32.9 22.0 41.0
83 13.6 9.0 16.6



#21
2-Butanone
Concen: 43.433 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. 0.006 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Tgt Ion: 43 Resp: 194872
Ion Ratio Lower Upper
43 100
72 27.7 13.8 41.4

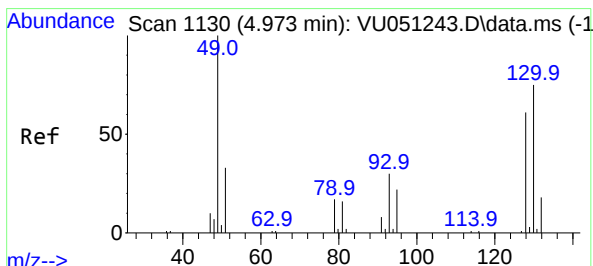
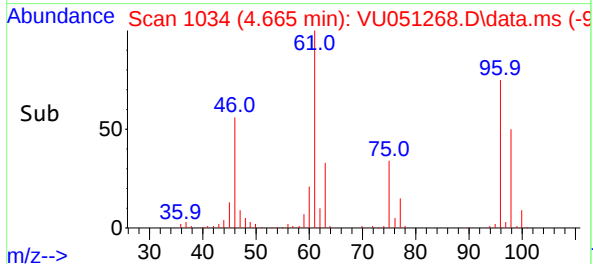
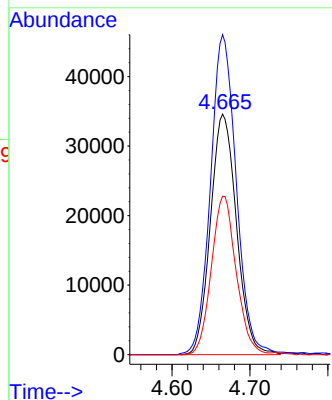
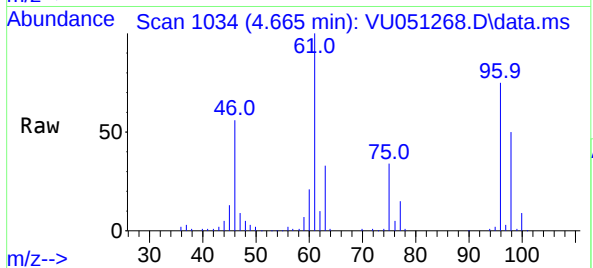




#22
cis-1,2-Dichloroethene
Concen: 4.425 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

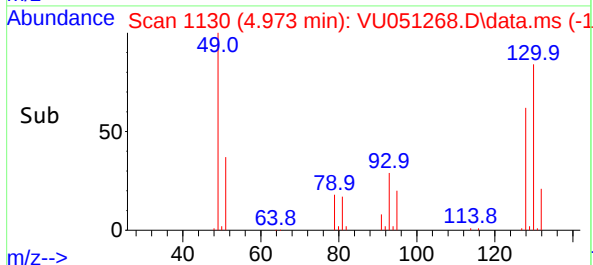
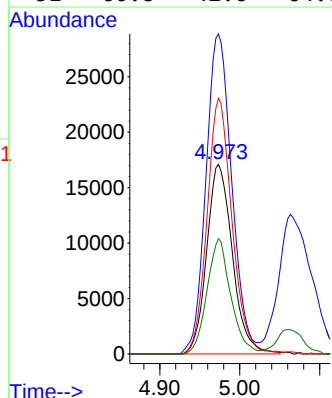
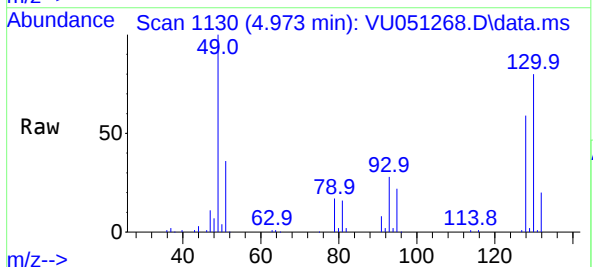
Instrument :
MSVOA_U
ClientSampleId :
VSTD005167

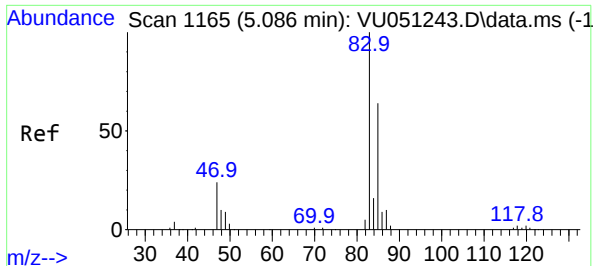
Tgt Ion: 96 Resp: 80365
Ion Ratio Lower Upper
96 100
61 133.0 90.6 168.2
98 65.9 47.5 88.3



#23
Bromochloromethane
Concen: 4.396 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Tgt Ion: 128 Resp: 38093
Ion Ratio Lower Upper
128 100
49 168.8 118.0 219.2
130 134.8 88.8 164.8
51 60.8 42.6 64.0





#25

Chloroform

Concen: 4.526 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051268.D

Acq: 08 Oct 2022 12:54

Instrument :

MSVOA_U

ClientSampleId :

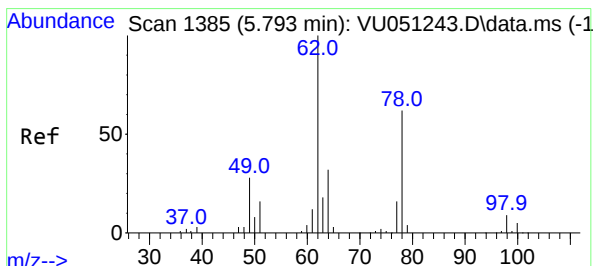
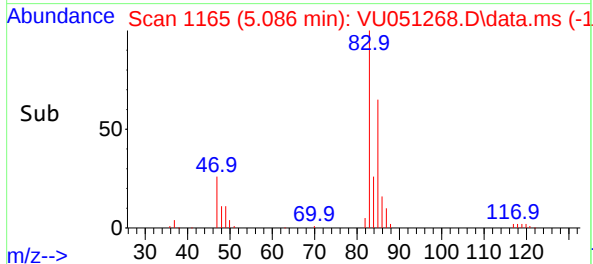
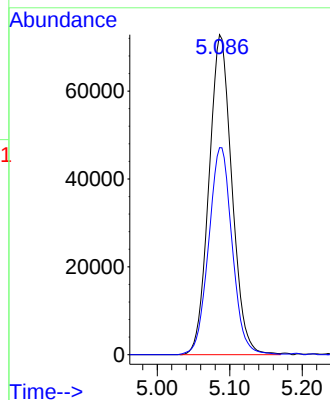
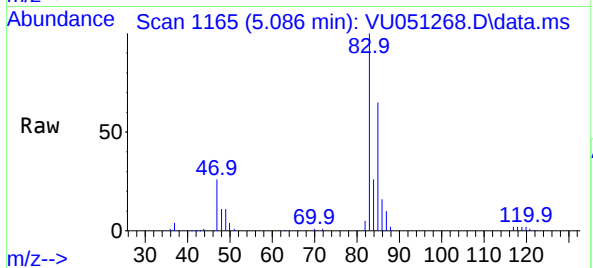
VSTD005167

Tgt Ion: 83 Resp: 159960

Ion Ratio Lower Upper

83 100

85 64.7 45.6 84.6



#27

1,2-Dichloroethane

Concen: 4.583 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU051268.D

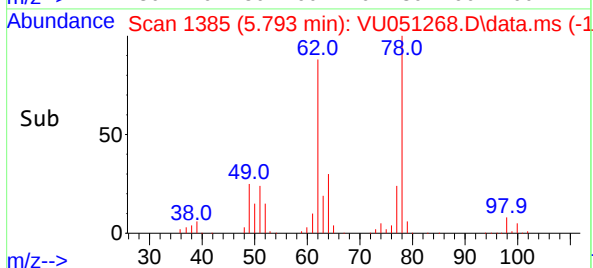
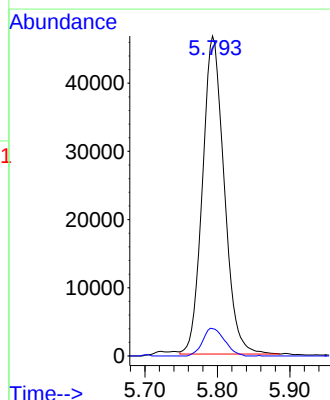
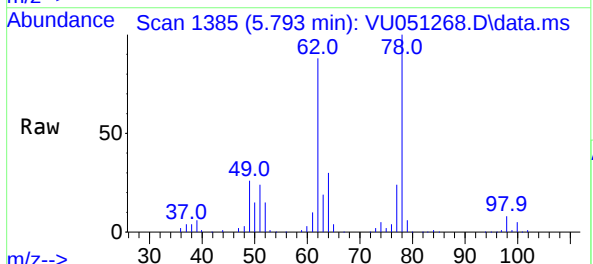
Acq: 08 Oct 2022 12:54

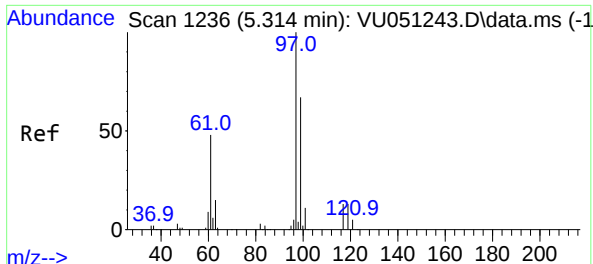
Tgt Ion: 62 Resp: 97034

Ion Ratio Lower Upper

62 100

98 8.6 7.7 11.5

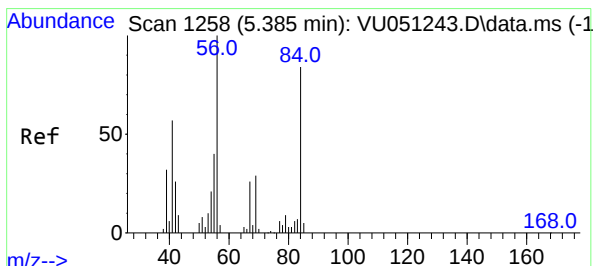
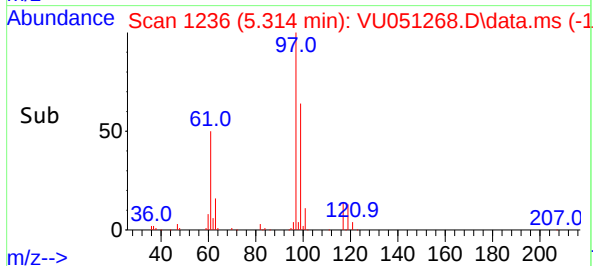
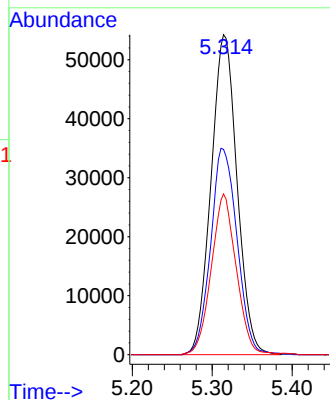
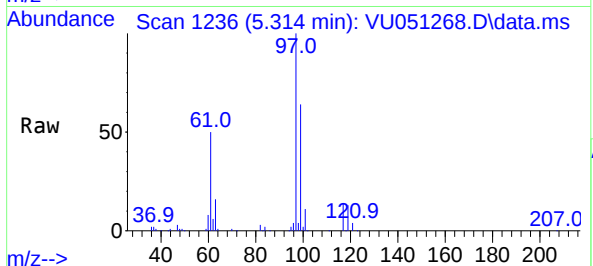




#29
1,1,1-Trichloroethane
Concen: 4.440 ug/L
RT: 5.314 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

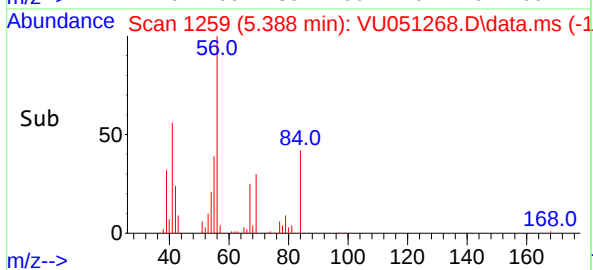
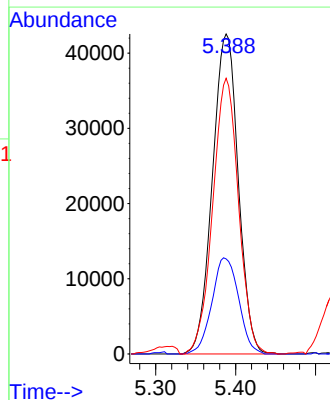
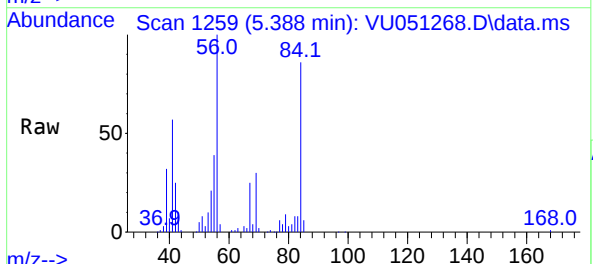
Instrument :
MSVOA_U
ClientSampleId :
VSTD005167

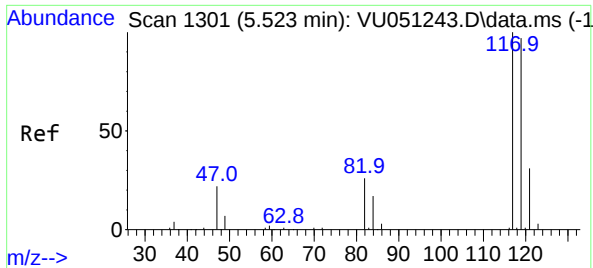
Tgt Ion: 97 Resp: 122467
Ion Ratio Lower Upper
97 100
99 65.8 50.2 75.4
61 48.2 38.7 58.1



#30
Cyclohexane
Concen: 4.087 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.003 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Tgt Ion: 56 Resp: 95613
Ion Ratio Lower Upper
56 100
69 31.0 25.1 37.7
84 85.9 70.9 106.3

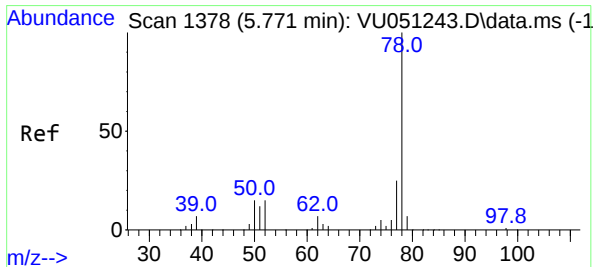
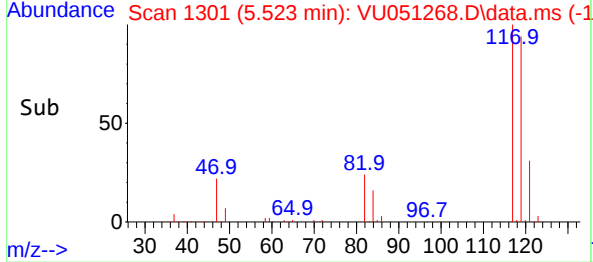
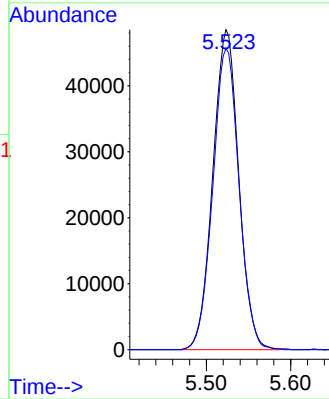
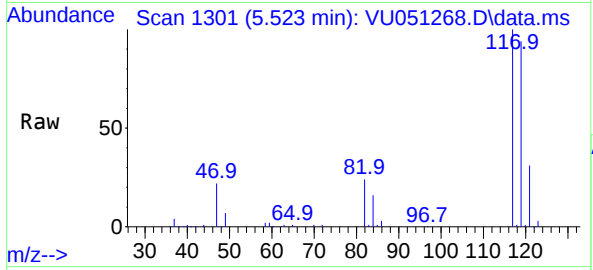




#31
Carbon tetrachloride
Concen: 4.433 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

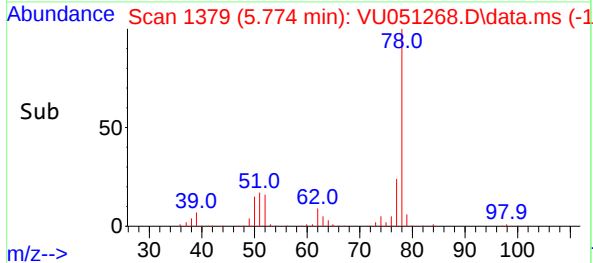
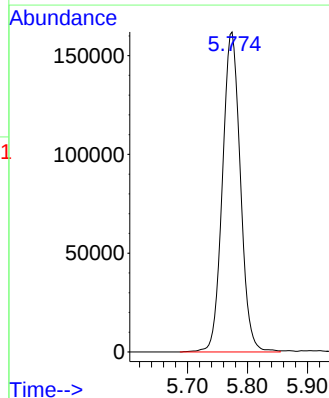
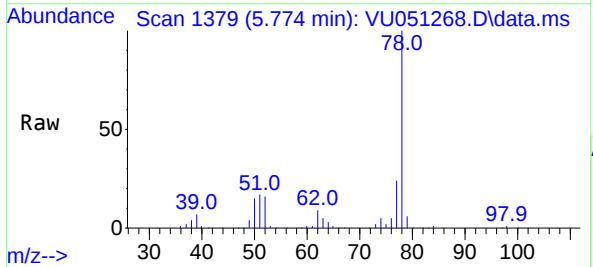
Instrument :
MSVOA_U
ClientSampleId :
VSTD005167

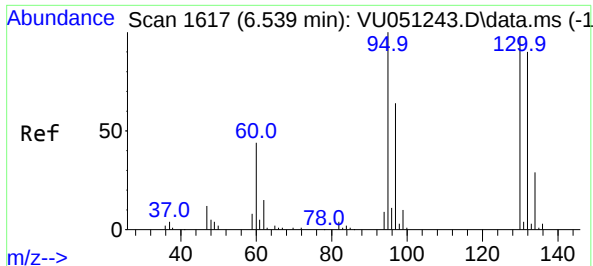
Tgt Ion:117 Resp: 103479
Ion Ratio Lower Upper
117 100
119 95.4 78.4 117.6



#33
Benzene
Concen: 4.368 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Tgt Ion: 78 Resp: 335754





#34

Trichloroethene

Concen: 4.347 ug/L

RT: 6.542 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU051268.D

Acq: 08 Oct 2022 12:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD005167

Tgt Ion: 95 Resp: 83339

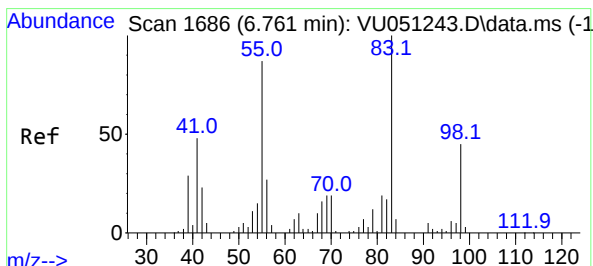
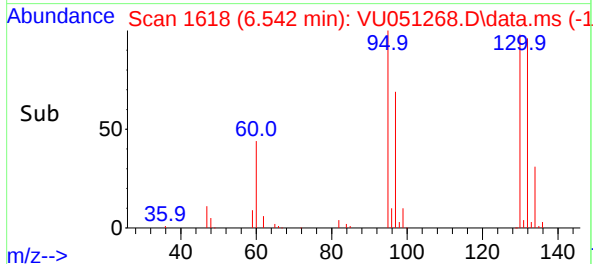
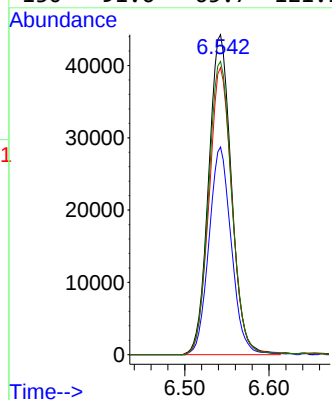
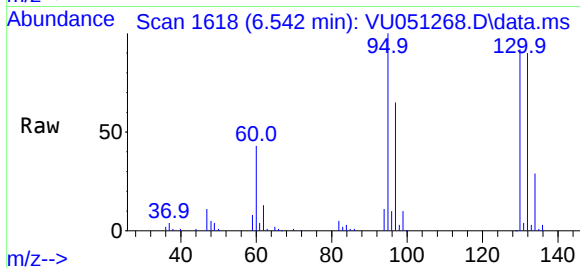
Ion Ratio Lower Upper

95 100

97 64.9 45.4 84.2

132 89.7 63.1 117.3

130 91.6 65.7 121.9



#35

Methylcyclohexane

Concen: 4.035 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. 0.003 min

Lab File: VU051268.D

Acq: 08 Oct 2022 12:54

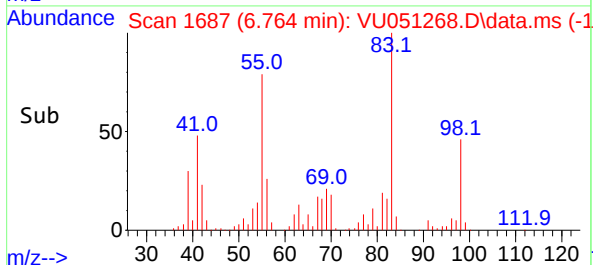
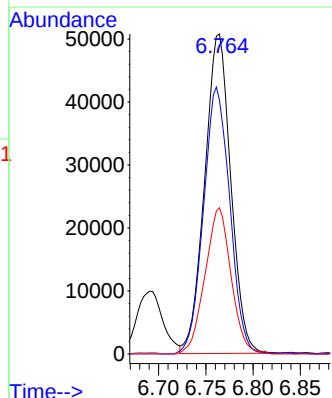
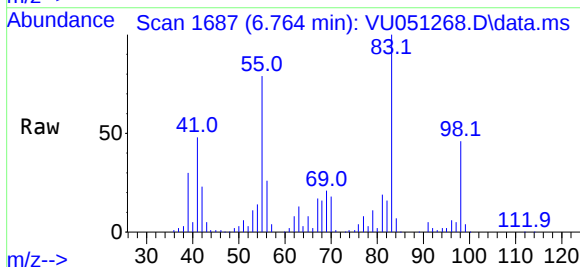
Tgt Ion: 83 Resp: 97601

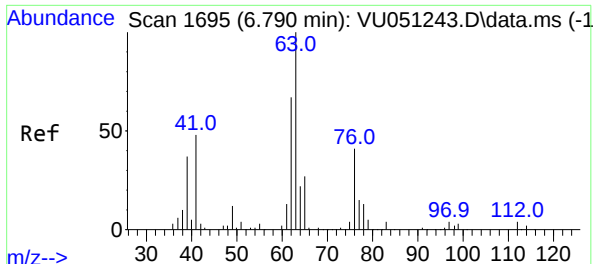
Ion Ratio Lower Upper

83 100

55 84.0 65.8 98.6

98 45.6 35.9 53.9

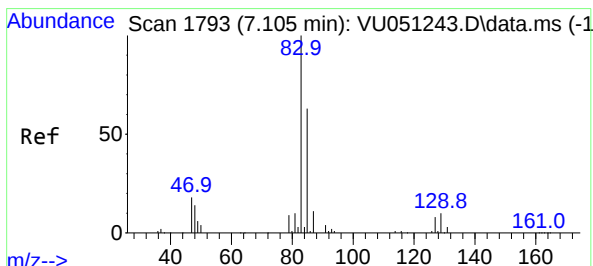
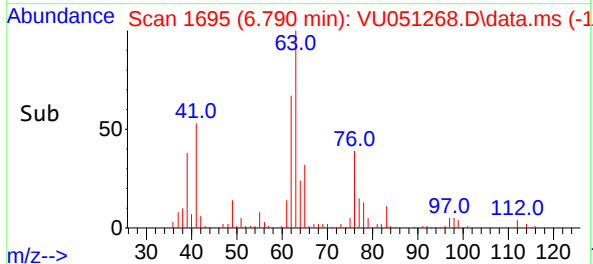
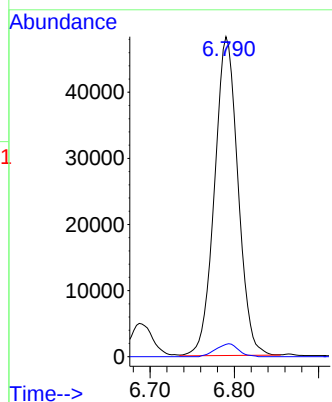
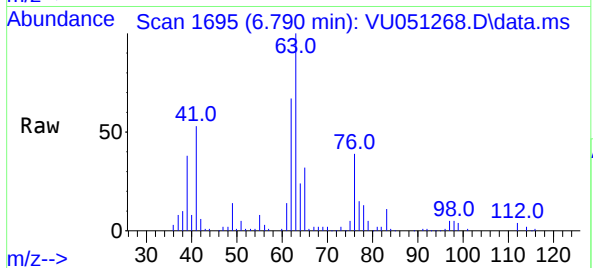




#37
1,2-Dichloropropane
Concen: 4.419 ug/L
RT: 6.790 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

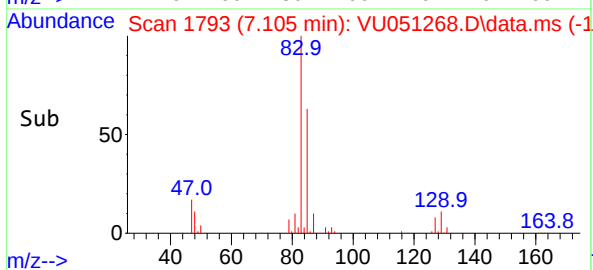
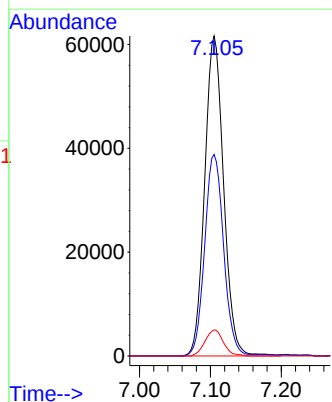
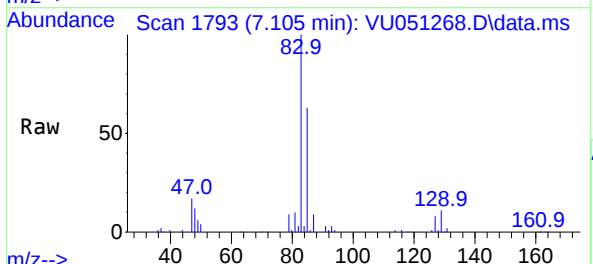
Instrument :
MSVOA_U
ClientSampleId :
VSTD005167

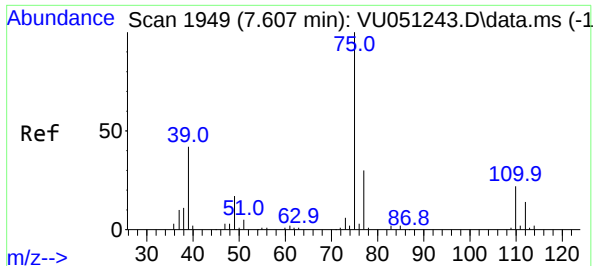
Tgt Ion: 63 Resp: 93088
Ion Ratio Lower Upper
63 100
112 3.9 3.2 4.8



#38
Bromodichloromethane
Concen: 4.540 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Tgt Ion: 83 Resp: 114092
Ion Ratio Lower Upper
83 100
85 63.0 44.8 83.2
127 8.1 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 3.910 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU051268.D

Acq: 08 Oct 2022 12:54

Instrument :

MSVOA_U

ClientSampleId :

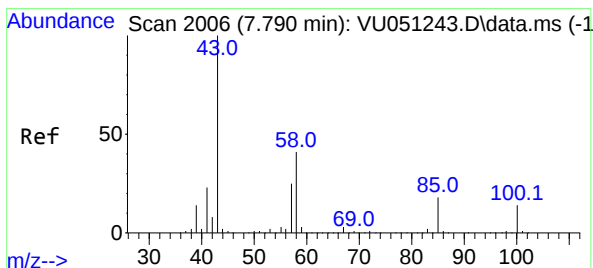
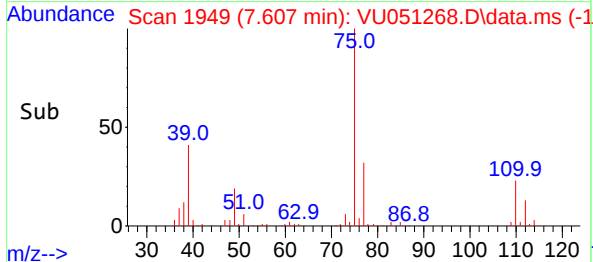
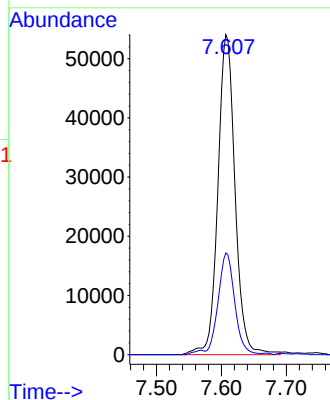
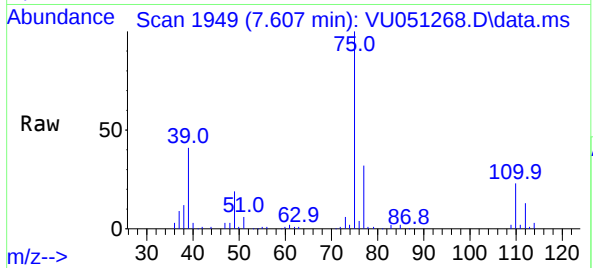
VSTD005167

Tgt Ion: 75 Resp: 99000

Ion Ratio Lower Upper

75 100

77 31.8 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 42.204 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU051268.D

Acq: 08 Oct 2022 12:54

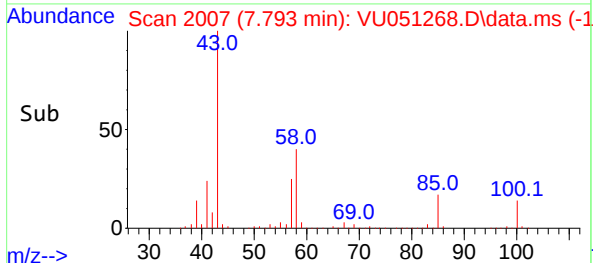
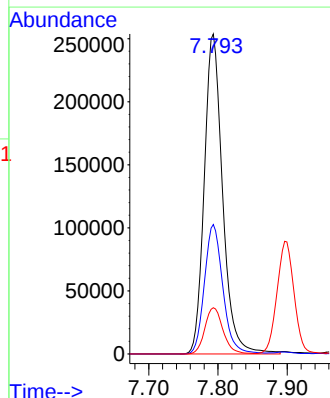
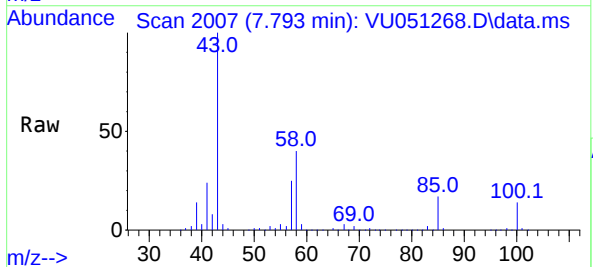
Tgt Ion: 43 Resp: 466455

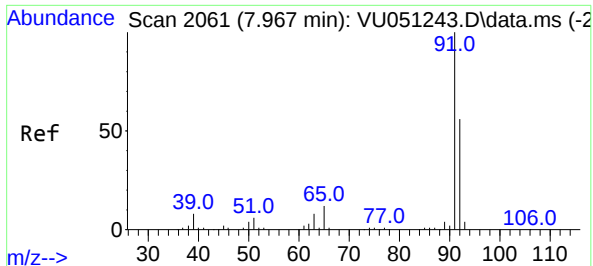
Ion Ratio Lower Upper

43 100

58 40.6 33.0 49.6

100 14.3 11.8 17.6

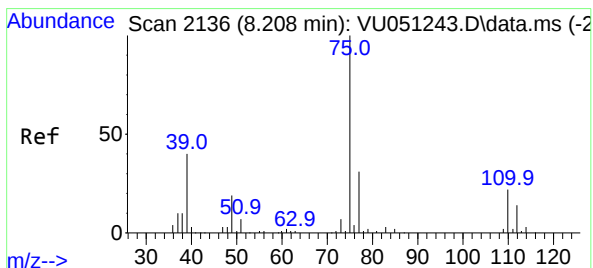
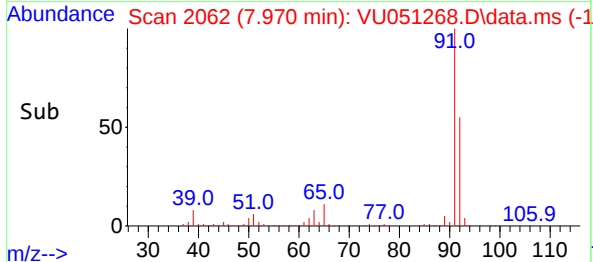
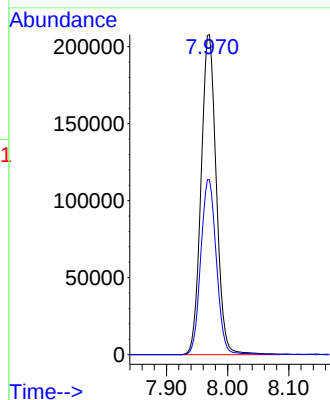
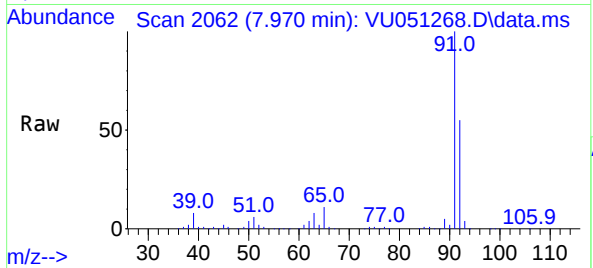




#42
Toluene
Concen: 4.415 ug/L
RT: 7.970 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

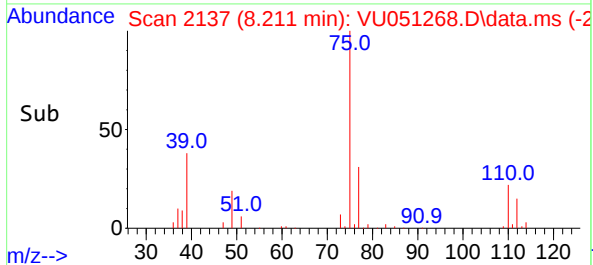
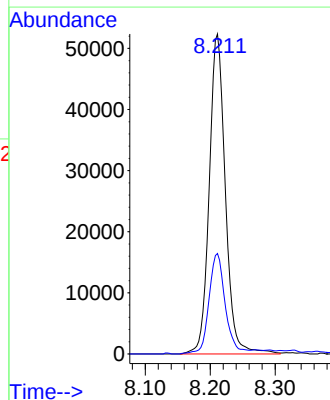
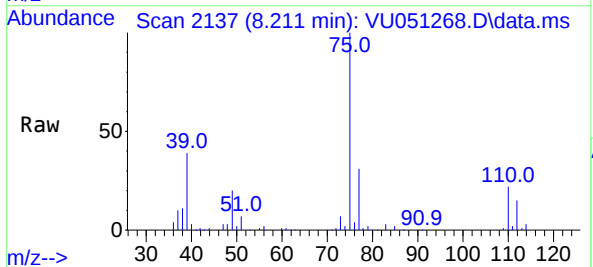
Instrument :
MSVOA_U
ClientSampleId :
VSTD005167

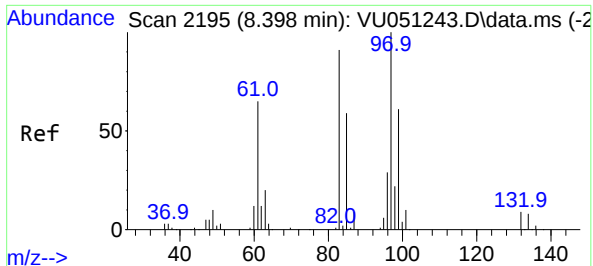
Tgt Ion: 91 Resp: 360149
Ion Ratio Lower Upper
91 100
92 54.7 39.9 74.1



#44
trans-1,3-Dichloropropene
Concen: 4.132 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Tgt Ion: 75 Resp: 90473
Ion Ratio Lower Upper
75 100
77 31.4 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 4.311 ug/L

RT: 8.401 min Scan# 2195

Delta R.T. 0.003 min

Lab File: VU051268.D

Acq: 08 Oct 2022 12:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD005167

Tgt Ion: 97 Resp: 63770

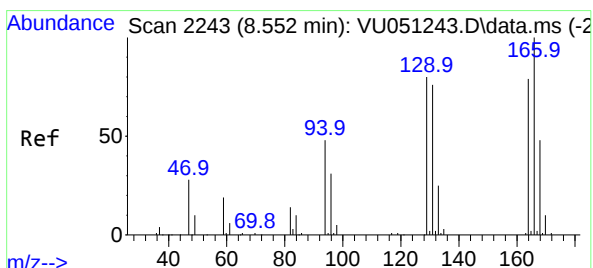
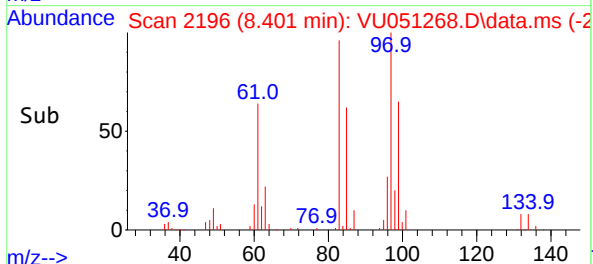
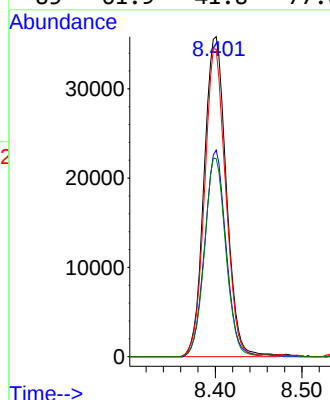
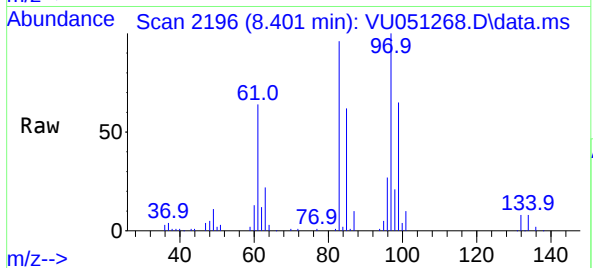
Ion Ratio Lower Upper

97 100

99 64.6 45.3 84.1

83 96.0 63.1 117.1

85 61.9 41.8 77.6



#47

Tetrachloroethene

Concen: 4.120 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU051268.D

Acq: 08 Oct 2022 12:54

Tgt Ion:164 Resp: 58082

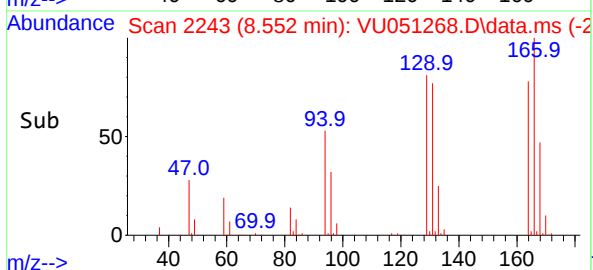
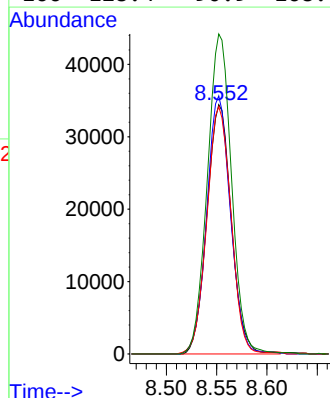
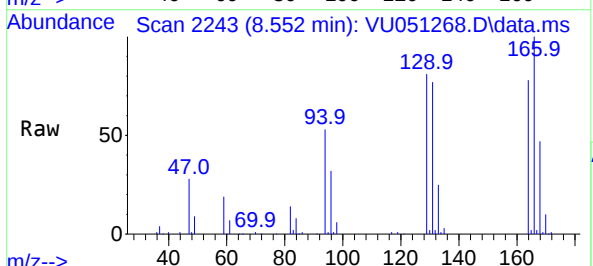
Ion Ratio Lower Upper

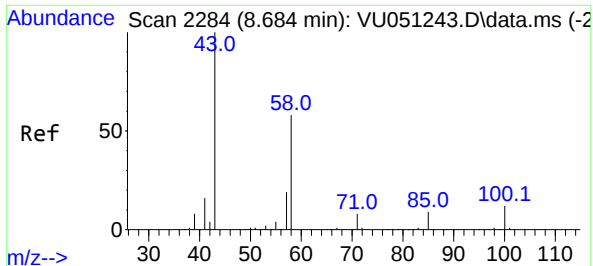
164 100

129 103.5 71.3 132.3

131 99.3 66.9 124.3

166 128.4 90.9 168.7

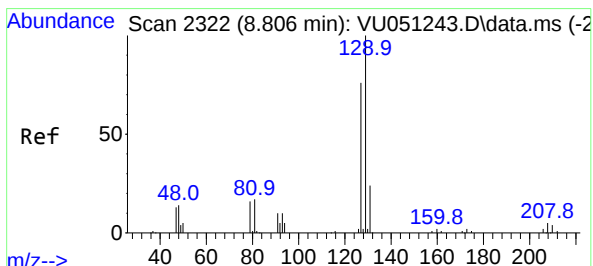
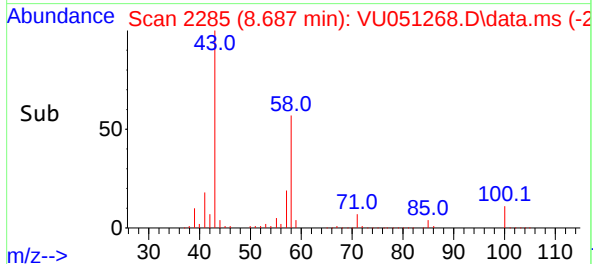
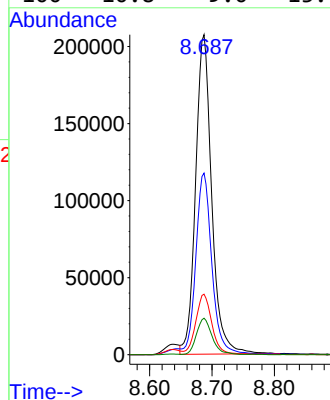
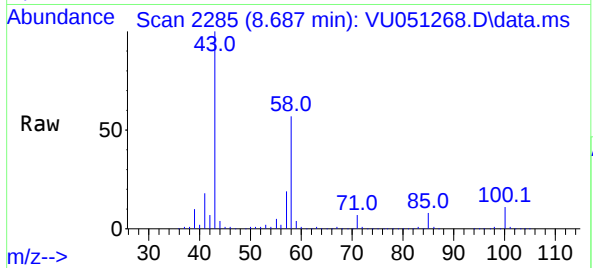




#48
2-Hexanone
Concen: 45.235 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

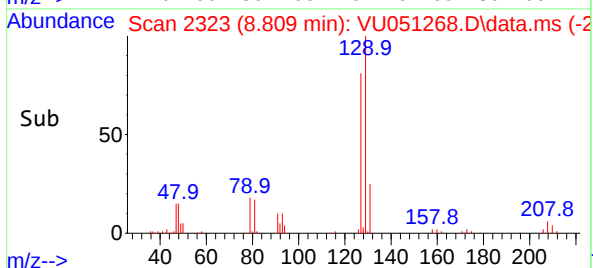
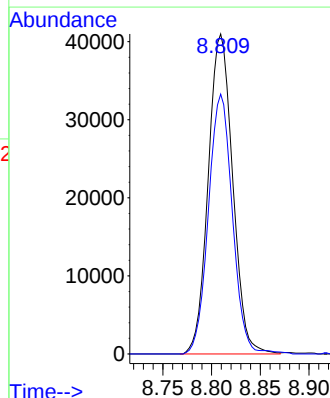
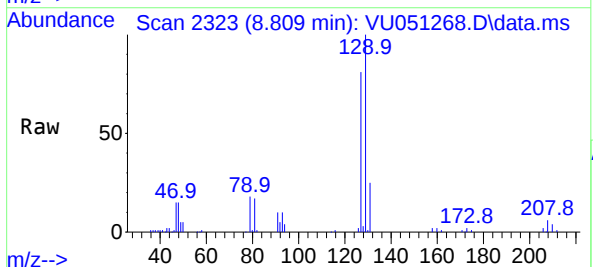
Instrument :
MSVOA_U
ClientSampleId :
VSTD005167

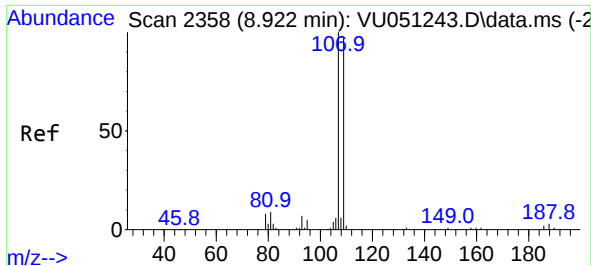
Tgt Ion: 43 Resp: 372253
Ion Ratio Lower Upper
43 100
58 56.0 48.2 72.2
57 18.6 15.5 23.3
100 10.8 9.0 13.4



#49
Dibromochloromethane
Concen: 4.309 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.003 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Tgt Ion: 129 Resp: 71561
Ion Ratio Lower Upper
129 100
127 81.2 53.5 99.3

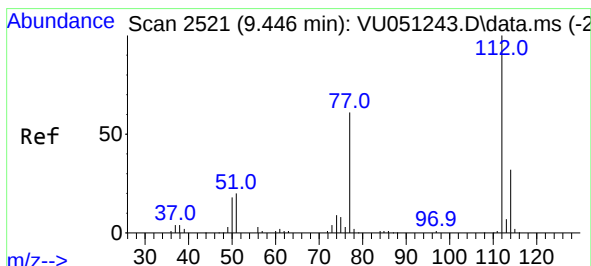
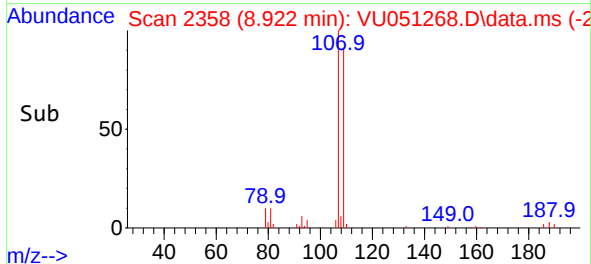
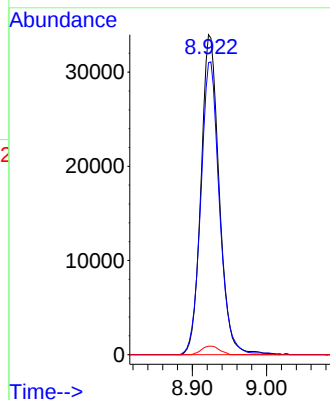
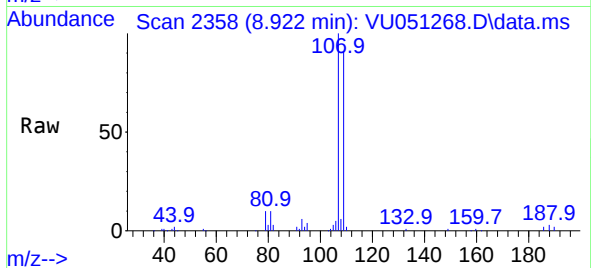




#50
1,2-Dibromoethane
Concen: 4.389 ug/L
RT: 8.922 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

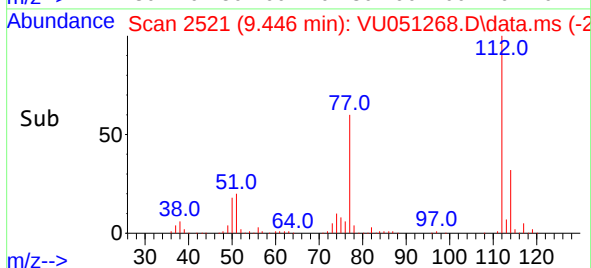
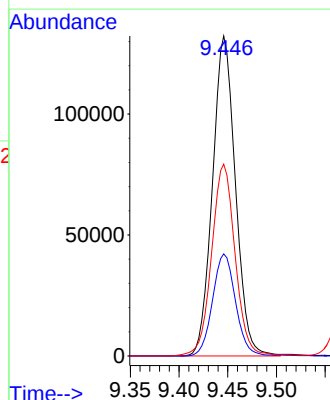
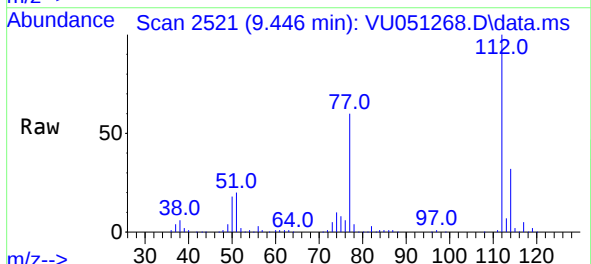
Instrument :
MSVOA_U
ClientSampleId :
VSTD005167

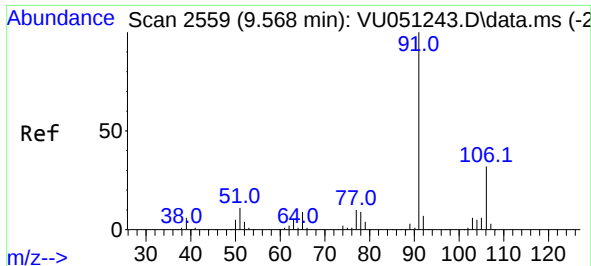
Tgt Ion:107 Resp: 57785
Ion Ratio Lower Upper
107 100
109 91.2 67.1 124.7
188 2.6 2.5 3.7



#51
Chlorobenzene
Concen: 4.443 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Tgt Ion:112 Resp: 216558
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 59.9 48.1 72.1

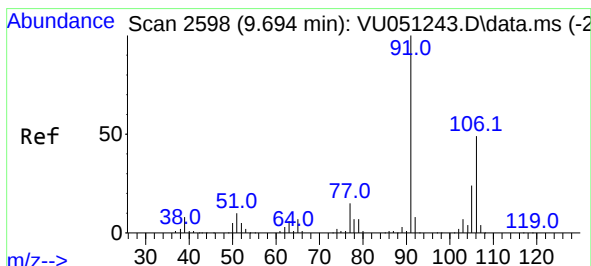
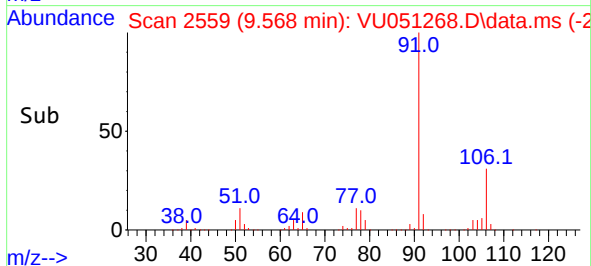
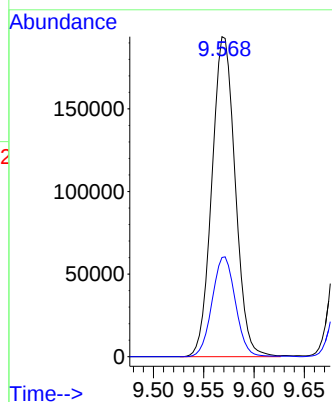
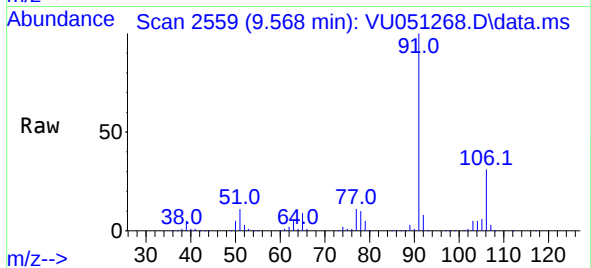




#52
Ethylbenzene
Concen: 4.259 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

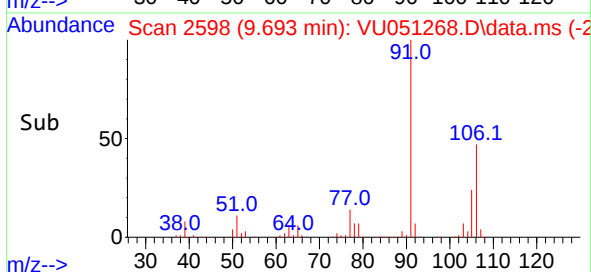
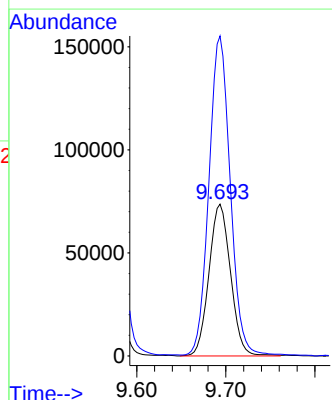
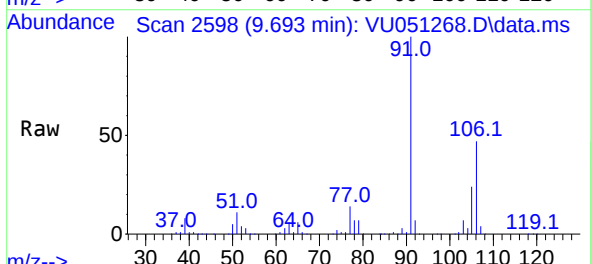
Instrument :
MSVOA_U
ClientSampleId :
VSTD005167

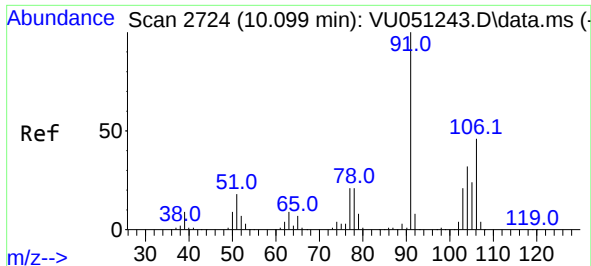
Tgt Ion: 91 Resp: 312210
Ion Ratio Lower Upper
91 100
106 31.0 20.9 38.7



#53
m,p-Xylene
Concen: 4.359 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Tgt Ion: 106 Resp: 123946
Ion Ratio Lower Upper
106 100
91 210.8 143.9 267.3

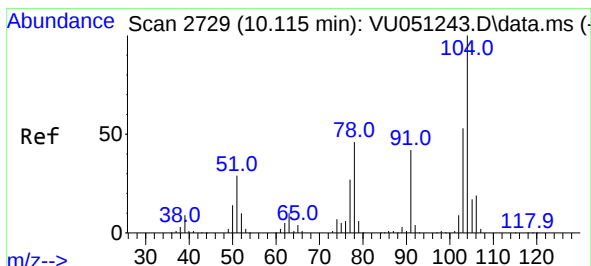
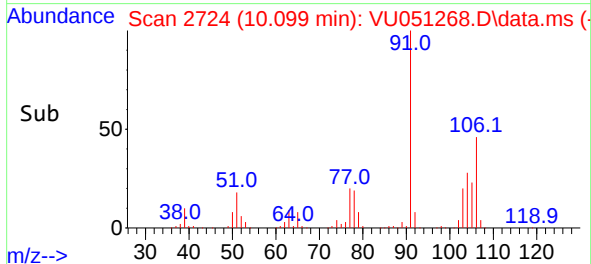
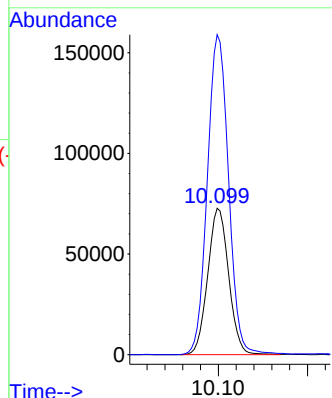
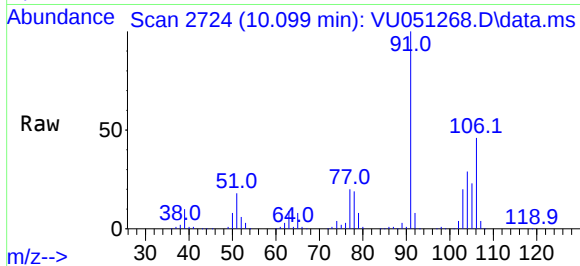




#54
o-Xylene
Concen: 4.412 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

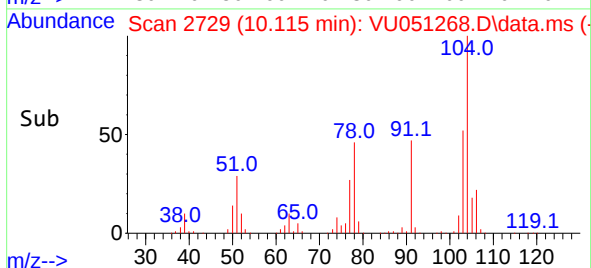
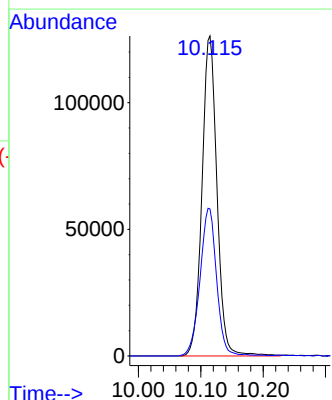
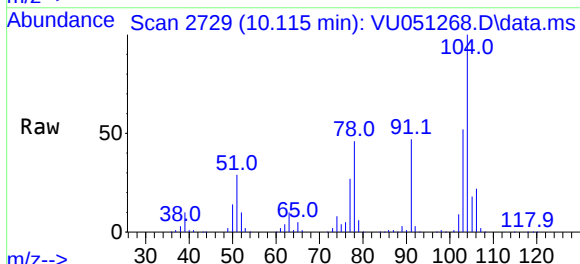
Instrument :
MSVOA_U
ClientSampleId :
VSTD005167

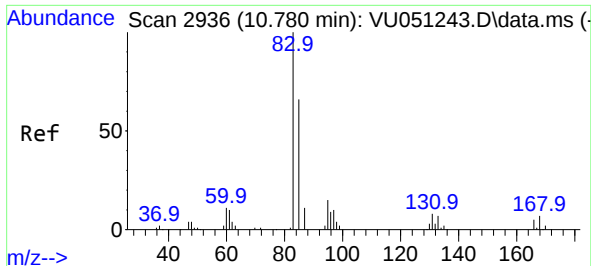
Tgt Ion:106 Resp: 118699
Ion Ratio Lower Upper
106 100
91 218.6 154.4 286.8



#55
Styrene
Concen: 4.564 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Tgt Ion:104 Resp: 211367
Ion Ratio Lower Upper
104 100
78 46.0 32.1 59.7

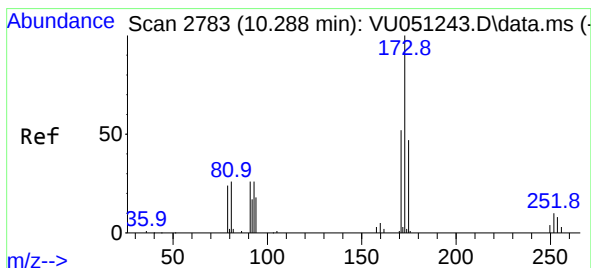
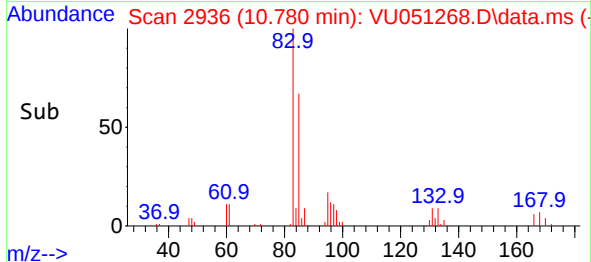
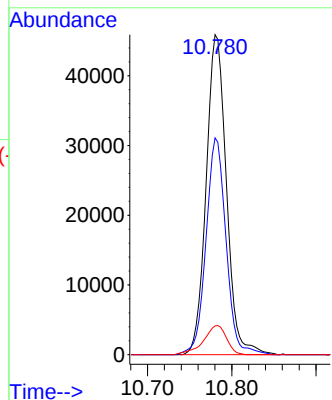
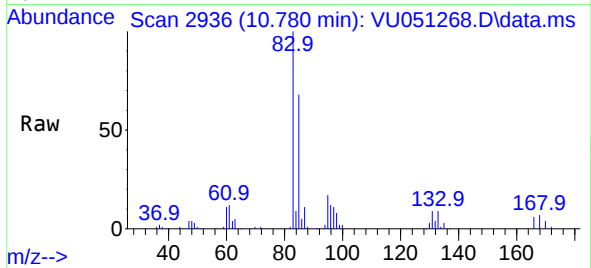




#57
1,1,2,2-Tetrachloroethane
Concen: 4.197 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

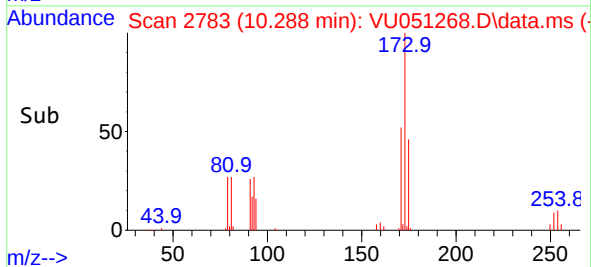
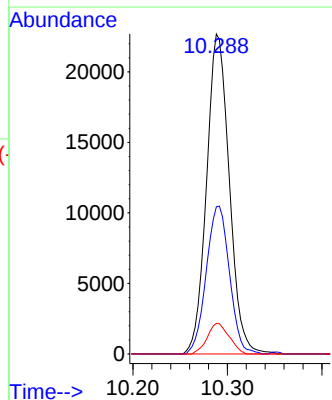
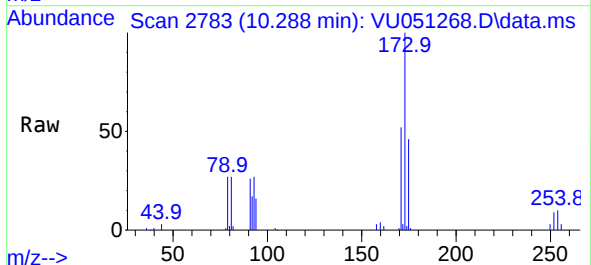
Instrument :
MSVOA_U
ClientSampleId :
VSTD005167

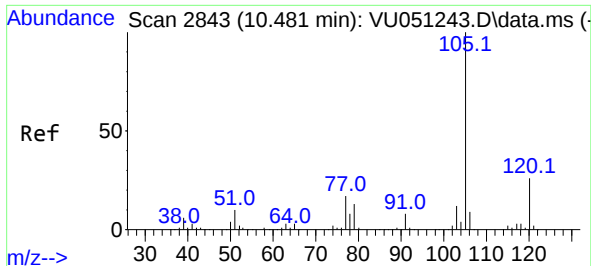
Tgt Ion: 83 Resp: 76847
Ion Ratio Lower Upper
83 100
85 67.7 45.9 85.3
131 9.0 7.4 11.2



#59
Bromoform
Concen: 4.001 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Tgt Ion:173 Resp: 37910
Ion Ratio Lower Upper
173 100
175 47.1 39.0 58.4
254 9.2 7.5 11.3

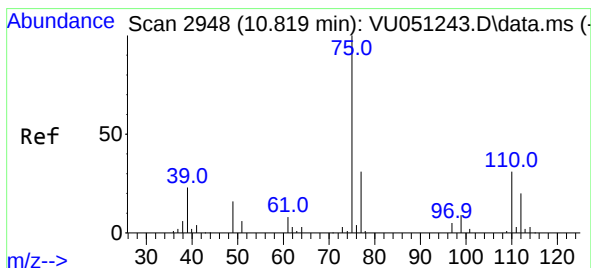
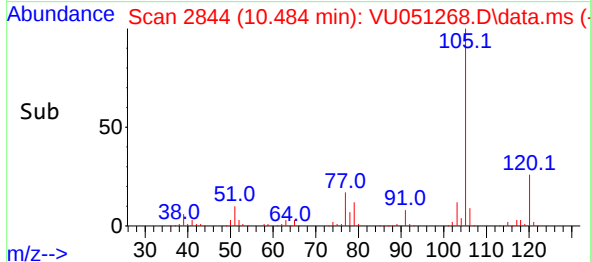
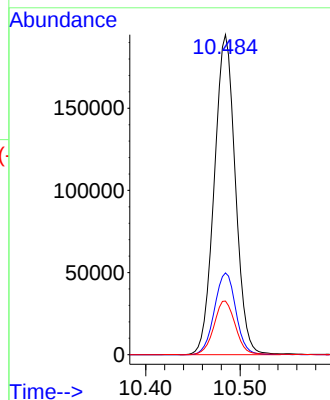
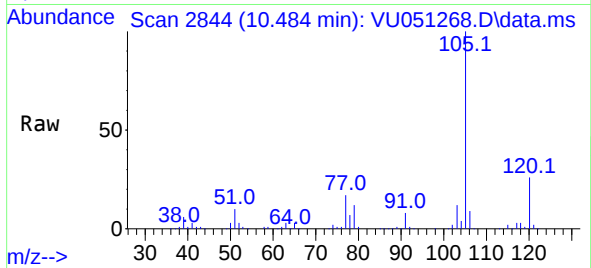




#60
Isopropylbenzene
Concen: 4.178 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

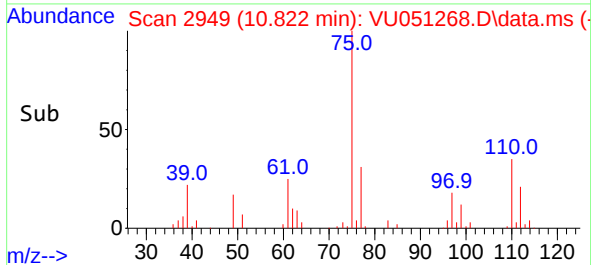
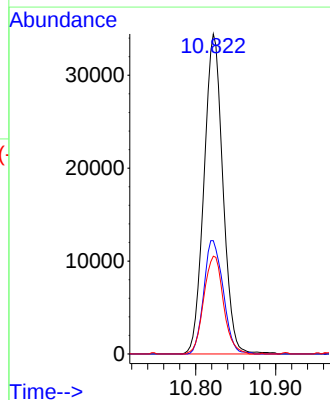
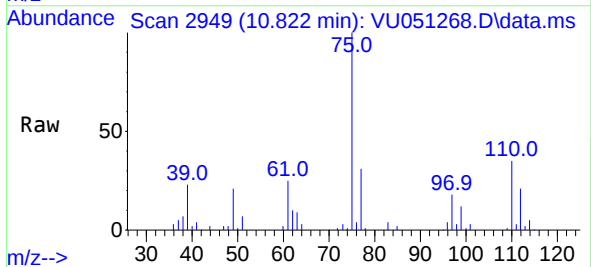
Instrument :
MSVOA_U
ClientSampleId :
VSTD005167

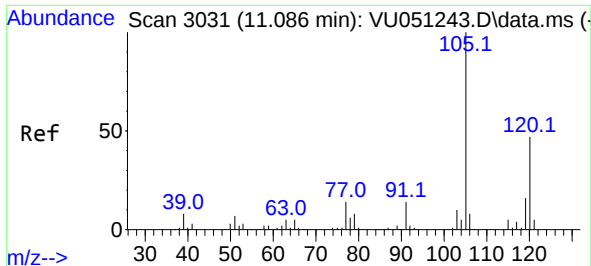
Tgt Ion:105 Resp: 301339
Ion Ratio Lower Upper
105 100
120 26.0 20.6 30.8
77 17.2 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 3.939 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Tgt Ion: 75 Resp: 56647
Ion Ratio Lower Upper
75 100
110 36.3 27.0 40.6
77 31.8 26.4 39.6

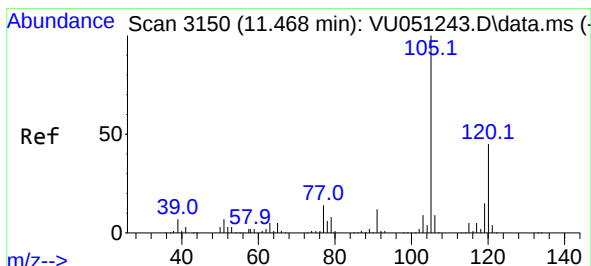
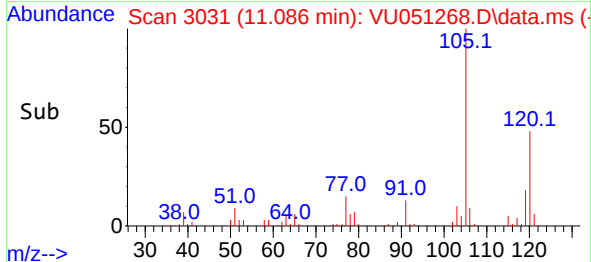
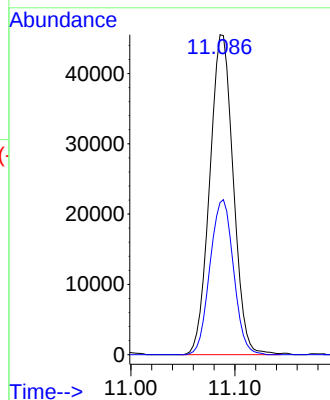
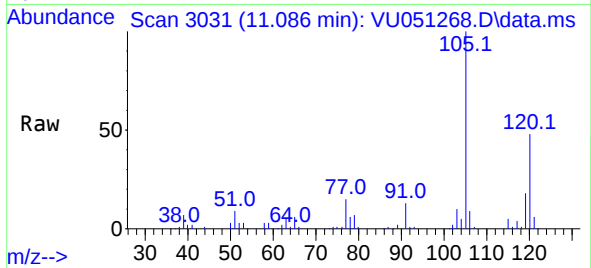




#62
1,3,5-Trimethylbenzene
Concen: 3.749 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

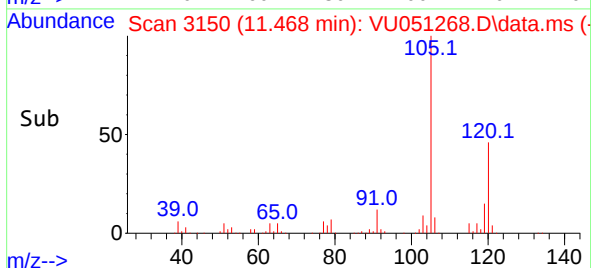
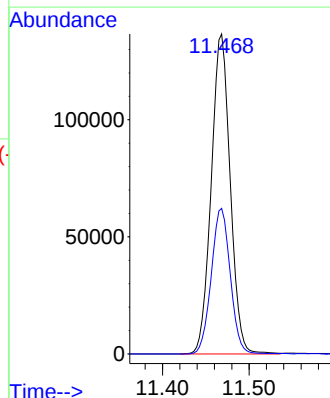
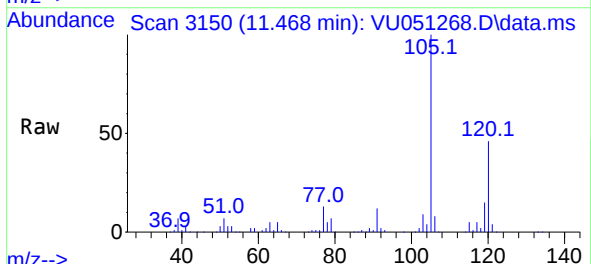
Instrument :
MSVOA_U
ClientSampleId :
VSTD005167

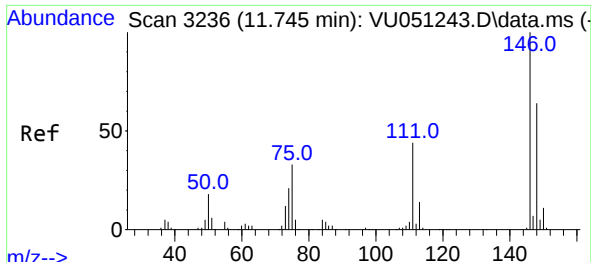
Tgt Ion:105 Resp: 71746
Ion Ratio Lower Upper
105 100
120 48.3 37.7 56.5



#63
1,2,4-Trimethylbenzene
Concen: 3.839 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

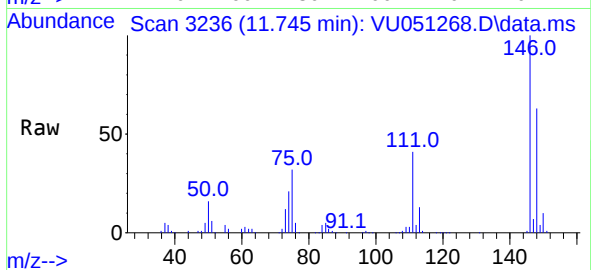
Tgt Ion:105 Resp: 207756
Ion Ratio Lower Upper
105 100
120 45.6 35.6 53.4



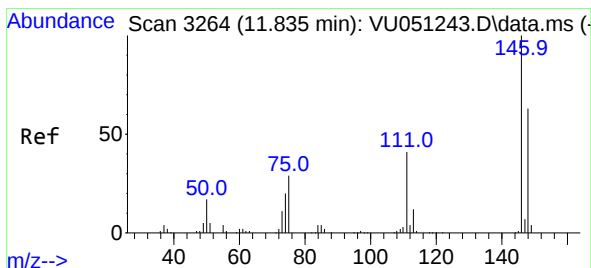
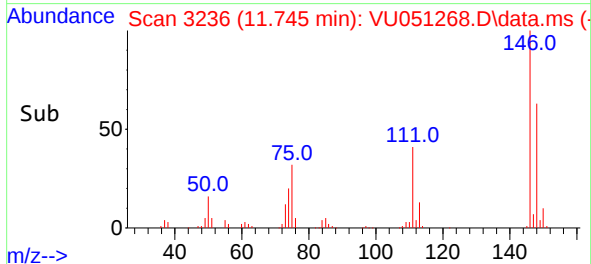
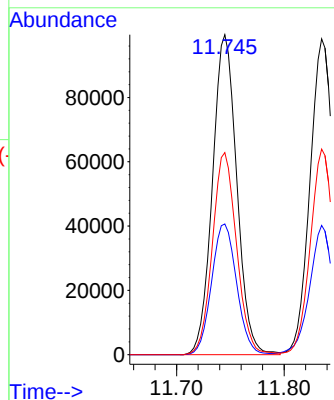


#64
1,3-Dichlorobenzene
Concen: 4.379 ug/L
RT: 11.745 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD005167

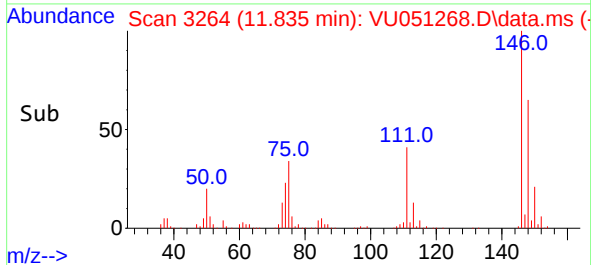
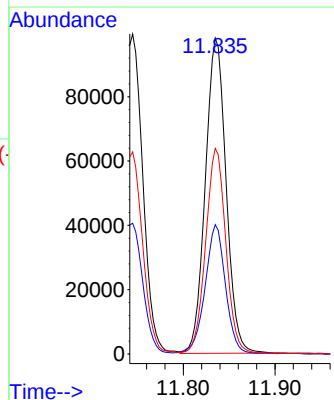
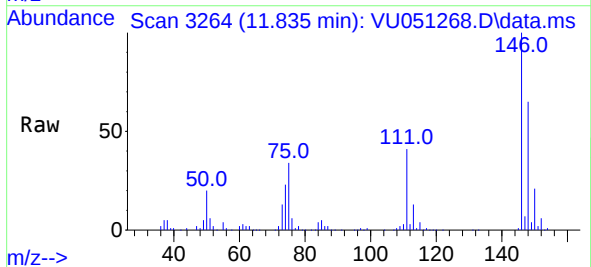


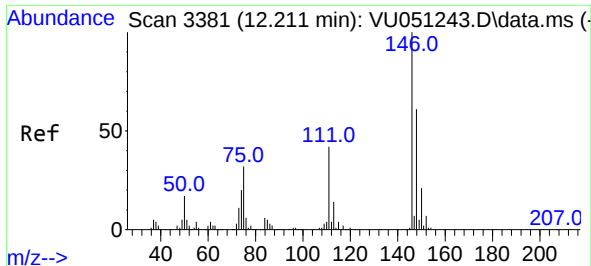
Tgt Ion:146 Resp: 156230
Ion Ratio Lower Upper
146 100
111 40.8 28.3 52.7
148 63.2 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 4.393 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Tgt Ion:146 Resp: 154499
Ion Ratio Lower Upper
146 100
111 40.9 29.1 54.1
148 65.1 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 4.334 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU051268.D

Acq: 08 Oct 2022 12:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD005167

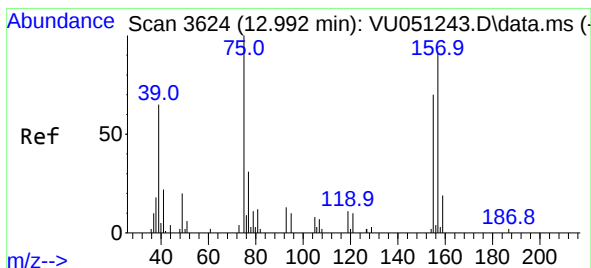
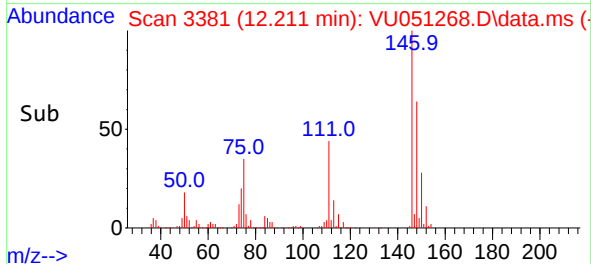
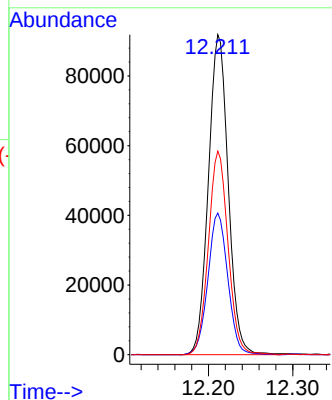
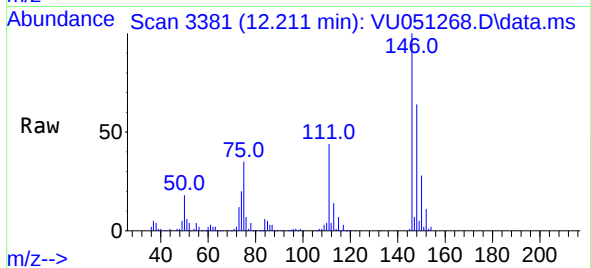
Tgt Ion:146 Resp: 150321

Ion Ratio Lower Upper

146 100

111 44.2 35.5 53.3

148 63.6 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 4.276 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.003 min

Lab File: VU051268.D

Acq: 08 Oct 2022 12:54

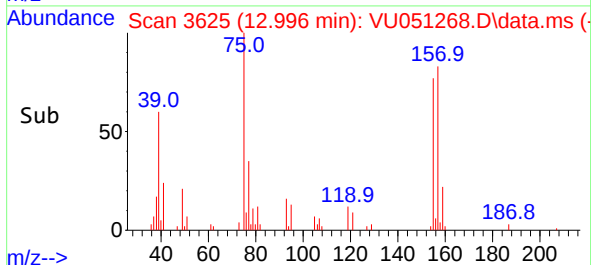
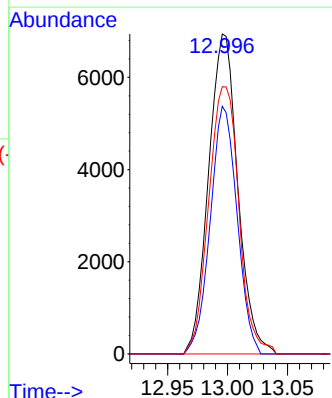
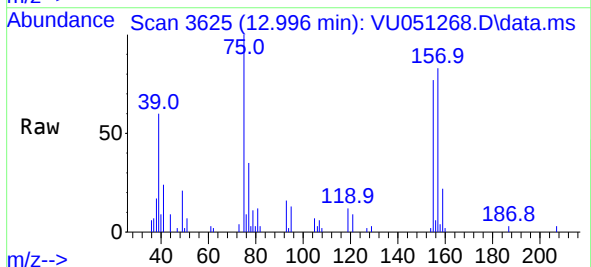
Tgt Ion: 75 Resp: 11761

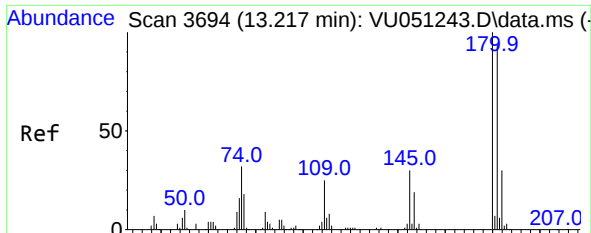
Ion Ratio Lower Upper

75 100

155 77.4 62.7 94.1

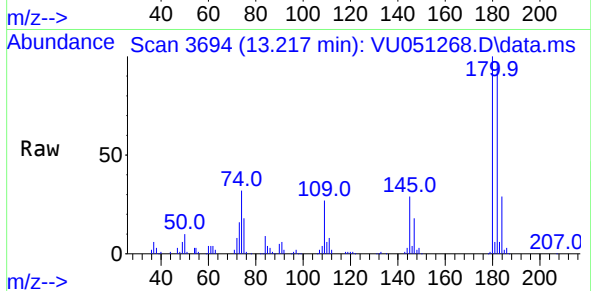
157 83.5 78.3 117.5



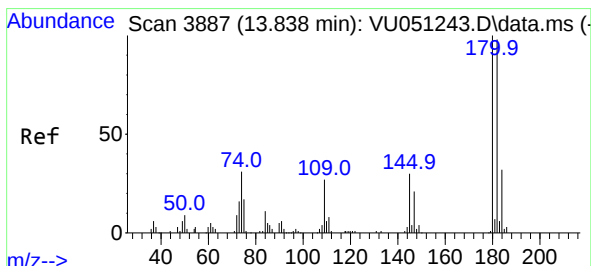
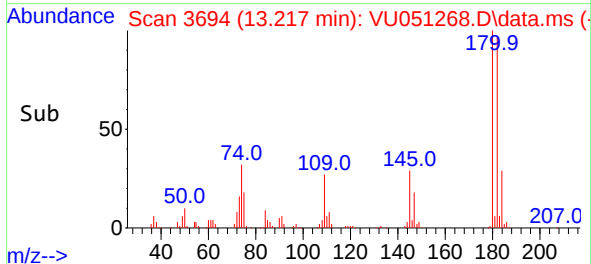
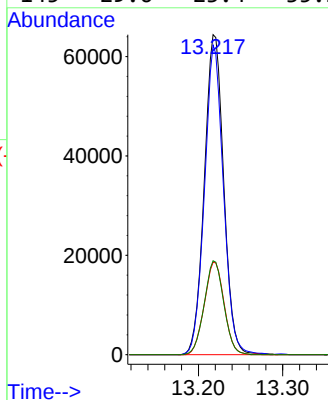


#69
1,3,5-Trichlorobenzene
Concen: 4.190 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD005167

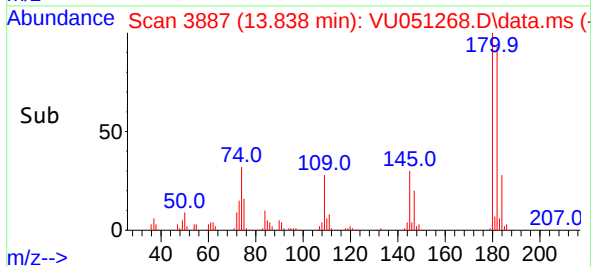
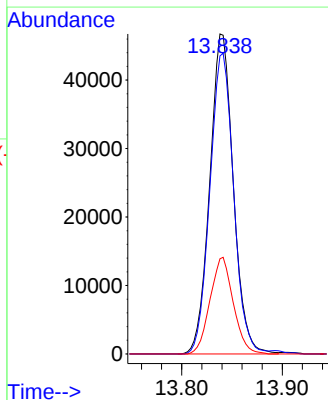
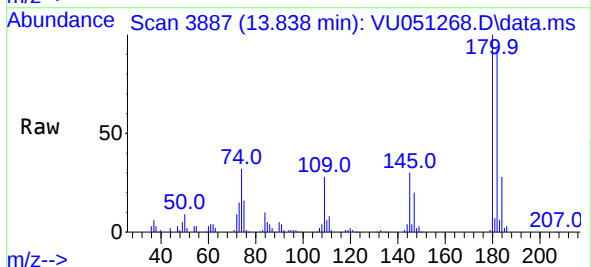


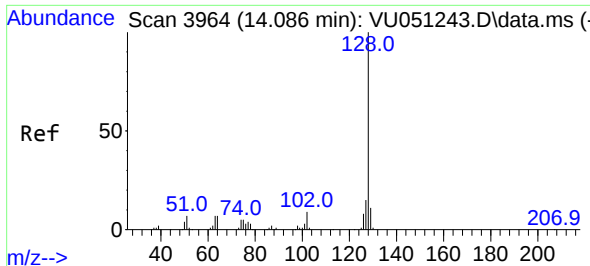
Tgt Ion:180 Resp: 103038
Ion Ratio Lower Upper
180 100
182 94.5 77.7 116.5
184 29.5 23.6 35.4
145 29.6 23.4 35.2



#70
1,2,4-trichlorobenzene
Concen: 4.346 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Tgt Ion:180 Resp: 75961
Ion Ratio Lower Upper
180 100
182 94.7 78.7 118.1
145 29.8 25.0 37.4

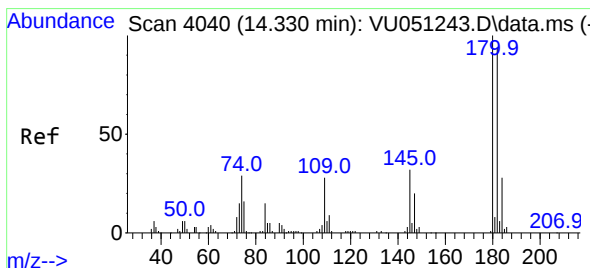
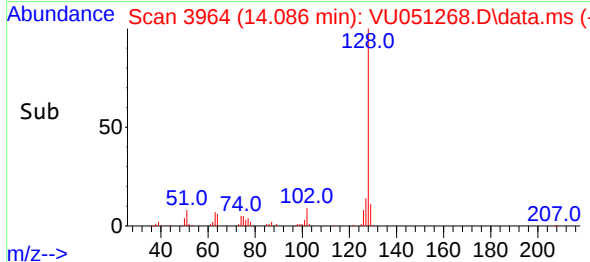
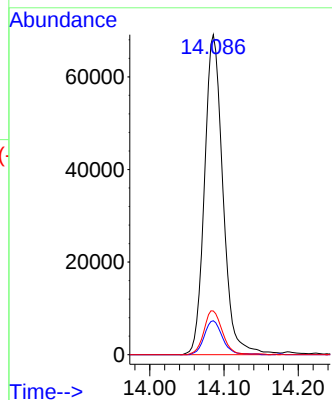
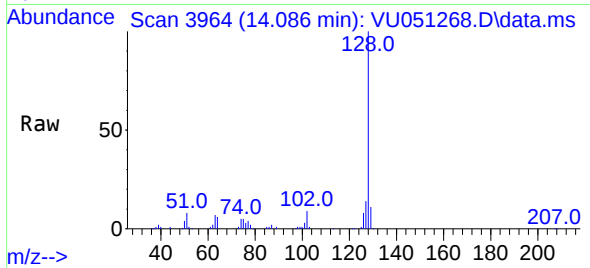




#71
Naphthalene
Concen: 3.672 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD005167

Tgt Ion:128 Resp: 119307
Ion Ratio Lower Upper
128 100
129 10.5 8.5 12.7
127 13.7 11.1 16.7



#72
1,2,3-Trichlorobenzene
Concen: 4.156 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU051268.D
Acq: 08 Oct 2022 12:54

Tgt Ion:180 Resp: 75147
Ion Ratio Lower Upper
180 100
182 96.7 76.6 114.8
145 32.2 25.8 38.8

